MEMORANDUM

SUBJECT: CASAC Request for data associated with Appendix D of the document titled *Risk and Exposure Assessment for the Review of the Primary National Ambient Air Quality Standard for Sulfur Oxides*

FROM: Erika N. Sasser, Director
Health and Environmental Impacts Division
Office of Air Quality Planning and Standards
United States Environmental Protection Agency

TO: Aaron Yeow, Designated Federal Officer
Clean Air Scientific Advisory Committee
EPA Science Advisory Board Staff Office

At the September 18-19, 2017 public meeting of the Clean Air Scientific Advisory Committee (CASAC) Sulfur Oxides Panel review of the *Risk and Exposure Assessment for the Review of the Primary National Ambient Air Quality Standard for Sulfur Oxides, External Review Draft* (draft REA), a Panel member requested data associated with Appendix D of the document. The specific request was for a file with the 1-hour SO_2 concentrations for 2011, 2012 and 2013 from each of the seven monitors included in Appendix D and the modeled 1-hour SO_2 concentrations from each receptor at the location of the monitor (paired in time). Attached are data in response to this request.

The attached file contains the following:

- Description of abbreviated data headers
- 1-hour SO_2 concentrations observed for 2011, 2012, 2013 at monitor 250051004 in the Fall River Study area; monitors 180970057, 180970073, and 180970078 in the Indianapolis study area; and monitors 401430175, 401430235, 401431127 in the Tulsa Study area (monitor 401430179 had 2013 data only and was not used for the evaluation).
- 1-hour SO_2 concentrations estimated for 2011, 2012, 2013 at the monitor locations

Air quality modeling was used in the draft REA in light of the limited number of SO_2 ambient air monitors in each study area that are unlikely to adequately capture the spatial variation in concentrations, including the relatively higher concentrations in areas affected by large point sources. The American Meteorological Society/EPA regulatory model (AERMOD) was used given that SO_2 emissions to ambient air are dominated by point sources, such as large coal-fired utilities, and AERMOD is the EPA's preferred dispersion model for regulatory uses, including air quality modeling of SO_2 concentrations for State Implementation Plans (SIPs) and new source permitting purposes. AERMOD has a wide-ranging history of such use and extensive model performance evaluations with field study data that supported its establishment as EPA's preferred dispersion model in 2005 and its latest scientifically based update through final rulemaking in January 2017. As described in the draft REA, the hourly concentrations estimated by AERMOD are combined with ambient air monitor-based information of finer (5-minute)

temporal variability to estimate 5-minute concentrations, which are the basis for the exposure modeling that produces population exposure estimates for the three study areas. These 5-minute SO_2 concentrations were estimated by combining the annual pattern of 5-minute monitored concentrations with the annual pattern of hourly concentrations modeled at each receptor, based on matching the rank-ordered 1-hour concentration distributions.

The AERMOD output for the three study areas was evaluated in Appendix D, consistent with EPA's model evaluation protocol that focuses on the higher concentrations in the concentration distribution as those represent the concentrations of interest in regulatory applications. These concentrations are also generally most important for the exposure assessment performed in the draft REA. Given the uncertainty in emissions and meteorological inputs (e.g., wind direction) for a given hour, EPA's *Guideline on Air Quality Models* explicitly discourages pairing of model estimates and monitor data on an hour-by-hour basis in evaluating performance of air quality models. Appendix D recognized the uncertainties in available model inputs (i.e., emissions and meteorology) for the three urban study areas, as well as the limited spatial coverage provided by the seven monitors across the three study areas.

Given that the analyses in the draft REA involve a system of models, AERMOD model output should be considered in terms of how it is being used in the Air Pollutants Exposure model (APEX) to generate estimates of exposure as individuals move through time and space. In particular, in evaluating model outputs, it is important to consider whether predicted high values are occurring during times where people may be exercising in microenvironments where ambient SO_2 concentrations contribute to exposure. It is also appropriate to consider broad temporal patterns in hourly concentrations (e.g., seasonal, weekday/weekend, times-of-day), which may be more informative than comparing simultaneous hourly time-series of concentrations (e.g., model-to-monitor comparisons). Additionally, it may be useful to consider temporal patterns in concentrations at a collection of modeled receptors near the monitor site rather than relying solely on concentrations at a single receptor.

We look forward to receiving the CASAC comments on the draft documents, including those particular to the exposure and air quality modeling. In finalizing the REA, we will be making revisions to the draft documents with careful consideration of the CASAC comments.

Enclosure

Cc: Richard Wayland
Tyler Fox
Karen Wesson
Robert J Wayland
Stephen Graham
James Thurman
Clint Tillerson
Nicole Hagan
Deirdre Murphy

CASAC Request for data associated with Appendix D of the document titled Risk and Exposure Assessment for the Review of the Primary National Ambient Air Quality Standard for Sulfur Oxides - DATA FILE

Column	description
site_id	Monitor site identifier
year	4-digit year
month	2-digit month
day	2-digit day
hour	hour
hour flag	Flag indicating whether AERMOD determines an hour is calm (C), missing (M), or valid (V). Foir hours that are calm (wind speed and wind direction = 0) or missing (key meteorological variables set to missing values in meteorological files), AERMOD does not calculate a concentration so the AERMOD concentration is denoted by -999.
AERMOD (ppb)	AERMOD hourly concentration in ppb
Obs (ppb)	Observed hourly concentration in ppb. Missing values denoted by -999.
wind speed (m/s)	Wind speed for hour
wind direction	Wind direction for hour

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	1	1	V	4.1	7	1.57	166
250051004	2011	1	1	2	V	5.3	6.8	2.03	167
250051004	2011	1	1	3	V	4.8	6.2	1.64	152
250051004	2011	1	1	4	V	7.3	5.1	1.42	169
250051004	2011	1	1	5	V	8.0	4.8	1.04	153
250051004	2011	1	1	6	V	6.2	4.8	1.35	129
250051004	2011	1	1	7	V	9.3	4.6	1.77	166
250051004	2011	1	1	8	V	8.3	4.5	1.3	185
250051004	2011	1	1	9	V	7.2	5.2	2.01	193
250051004	2011	1	1	10	V	8.2	5.4	2.16	198
250051004	2011	1	1	11	V	8.7	4.9	2.61	168
250051004	2011	1	1	12	V	8.8	4.8	2.27	143
250051004	2011	1	1	13	V	9.8	4.2	1.67	133
250051004	2011	1	1	14	V	9.9	4	1.89	144
250051004	2011	1	1	15	V	8.1	3.7	2.83	154
250051004	2011	1	1	16	V	6.8	3.6	2.67	149
250051004	2011	1	1	17	V	8.9	3.2	3.29	156
250051004	2011	1	1	18	V	5.8	3.1	3.15	160
250051004	2011	1	1	19	V	4.4	1.9	3.34	156
250051004	2011	1	1	20	V	4.3	1.8	2.11	153
250051004	2011	1	1	21	V	4.1	1.5	1.93	162
250051004	2011	1	1	22	V	3.6	-999	2.54	168
250051004	2011	1	1	23	V	3.7	1.2	3.03	166
250051004	2011	1	1	24	V	4.8	1.5	2.47	167
250051004	2011	1	2	1	V	4.1	1.3	1.88	185
250051004	2011	1	2	2	V	5.3	1.2	1.45	172
250051004	2011	1	2	3	V	4.8	1.3	1.5	164
250051004	2011	1	2	4	V	7.3	1.2	1.65	158
250051004	2011	1	2	5	V	8.0	1.1	1.38	172
250051004	2011	1	2	6	V	6.2	1	1.3	140
250051004	2011	1	2	7	V	9.3	0.9	1.3	219
250051004	2011	1	2	8	V	8.3	1	1.76	198
250051004	2011	1	2	9	V	7.2	0.8	1.76	216
250051004	2011	1	2	10	V	8.1	1	2.83	263
250051004	2011	1	2	11	V	8.6	1.4	2.52	284
250051004	2011	1	2	12	V	8.5	1.4	2.03	274
250051004	2011	1	2	13	V	8.8	1.9	1.33	237
250051004	2011	1	2	14	V	9.3	2.5	1.88	275
250051004	2011	1	2	15	V	8.0	1.7	1.65	276
250051004	2011	1	2	16	V	6.8	1.6	0.94	259
250051004	2011	1	2	17	V	8.9	2.1	1.5	287
250051004	2011	1	2	18	V	5.8	2.1	1.45	277
250051004	2011	1	2	19	V	4.4	1.8	1.72	285
250051004	2011	1	2	20	V	4.3	1.5	4.37	290
250051004	2011	1	2	21	V	4.1	1.2	3.27	297
250051004	2011	1	2	22	V	3.6	1.1	6.18	301

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	2	23	V	3.7	1.7	5.68	306
250051004	2011	1	2	24	V	4.8	1.2	5.58	299
250051004	2011	1	3	1	V	4.1	1.4	6.04	311
250051004	2011	1	3	2	V	5.3	1	6.16	313
250051004	2011	1	3	3	V	4.8	1.9	6.33	310
250051004	2011	1	3	4	V	7.3	-999	6.02	306
250051004	2011	1	3	5	V	8.0	6.8	5.56	303
250051004	2011	1	3	6	V	6.2	3.2	5.02	303
250051004	2011	1	3	7	V	9.3	5.3	4.7	311
250051004	2011	1	3	8	V	8.5	26.3	5.56	323
250051004	2011	1	3	9	V	12.6	20.2	6.11	319
250051004	2011	1	3	10	V	21.2	26.9	7.21	334
250051004	2011	1	3	11	V	10.4	25.1	6.89	312
250051004	2011	1	3	12	V	10.4	14.7	7.76	312
250051004	2011	1	3	13	V	13.9	9.5	7.04	314
250051004	2011	1	3	14	V	10.3	2.5	6.5	309
250051004	2011	1	3	15	V	8.1	1.2	6.92	293
250051004	2011	1	3	16	V	6.8	1.1	6.64	302
250051004	2011	1	3	17	V	8.9	1.1	5.46	293
250051004	2011	1	3	18	V	5.8	1.4	3.64	288
250051004	2011	1	3	19	V	4.4	2.2	4.1	299
250051004	2011	1	3	20	V	4.3	1.2	3.05	288
250051004	2011	1	3	21	V	4.1	1.5	3.44	281
250051004	2011	1	3	22	V	3.6	1.9	2.71	279
250051004	2011	1	3	23	V	3.7	1.8	2.84	261
250051004	2011	1	3	24	V	4.8	1.6	2.04	239
250051004	2011	1	4	1	V	4.1	2	2.64	249
250051004	2011	1	4	2	V	5.3	1.7	2.2	259
250051004	2011	1	4	3	V	4.8	1.9	3.56	257
250051004	2011	1	4	4	V	7.3	1.9	3.12	246
250051004	2011	1	4	5	V	8.0	2	3.29	239
250051004	2011	1	4	6	V	6.2	2.5	2.35	245
250051004	2011	1	4	7	V	9.3	2.6	2.18	247
250051004	2011	1	4	8	V	8.3	3.5	2.81	255
250051004	2011	1	4	9	V	7.2	-999	3.39	255
250051004	2011	1	4	10	V	8.1	-999	4.14	247
250051004	2011	1	4	11	V	8.6	5.1	4.82	236
250051004	2011	1	4	12	V	8.5	5.3	5.27	236
250051004	2011	1	4	13	V	8.8	5.7	7.01	243
250051004	2011	1	4	14	V	9.3	5.3	6.38	242
250051004	2011	1	4	15	V	8.1	6	6.04	227
250051004	2011	1	4	16	V	6.8	4.6	5.39	217
250051004	2011	1	4	17	V	8.9	3.3	3.71	205
250051004	2011	1	4	18	V	5.8	2.5	2.44	208
250051004	2011	1	4	19	V	4.4	2.3	2.74	213
250051004	2011	1	4	20	V	4.3	2.2	2.13	228

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	4	21	V	4.1	2.4	1.94	264
250051004	2011	1	4	22	V	3.6	-999	1.26	257
250051004	2011	1	4	23	V	3.7	2.1	1.55	231
250051004	2011	1	4	24	V	4.8	2.7	1.55	251
250051004	2011	1	5	1	V	4.1	3.5	1.38	264
250051004	2011	1	5	2	V	5.3	4.8	2.91	256
250051004	2011	1	5	3	V	4.8	5.8	2.96	264
250051004	2011	1	5	4	V	7.3	6	3.03	263
250051004	2011	1	5	5	V	8.0	5.5	2.78	272
250051004	2011	1	5	6	V	6.2	4.8	2.4	267
250051004	2011	1	5	7	V	9.3	4.4	1.81	295
250051004	2011	1	5	8	V	8.3	5.2	2.11	274
250051004	2011	1	5	9	V	7.2	5.4	3.52	268
250051004	2011	1	5	10	V	8.2	4.2	4.75	283
250051004	2011	1	5	11	V	8.7	3.6	5.14	281
250051004	2011	1	5	12	V	8.6	2.3	5.26	291
250051004	2011	1	5	13	V	8.9	2	5.48	289
250051004	2011	1	5	14	V	9.4	1.8	6.45	286
250051004	2011	1	5	15	V	8.0	3.2	5.75	274
250051004	2011	1	5	16	V	6.8	1.8	5.58	277
250051004	2011	1	5	17	V	8.9	2.5	4.44	278
250051004	2011	1	5	18	V	5.8	2.4	3.2	284
250051004	2011	1	5	19	V	4.4	2.4	3.71	273
250051004	2011	1	5	20	V	4.3	2.6	3.03	274
250051004	2011	1	5	21	V	4.1	2.5	2.73	293
250051004	2011	1	5	22	V	3.6	1.7	3.12	285
250051004	2011	1	5	23	V	3.7	1.8	3.27	278
250051004	2011	1	5	24	V	4.8	1.6	3.35	272
250051004	2011	1	6	1	V	4.1	1.5	3.91	289
250051004	2011	1	6	2	V	5.3	2.4	2.52	287
250051004	2011	1	6	3	V	4.8	2.2	2.22	274
250051004	2011	1	6	4	V	7.3	5.1	1.94	285
250051004	2011	1	6	5	V	8.0	3	2.13	252
250051004	2011	1	6	6	V	6.2	3.3	1.11	259
250051004	2011	1	6	7	V	9.3	3.1	1.18	255
250051004	2011	1	6	8	V	8.3	3.2	1.38	266
250051004	2011	1	6	9	V	7.2	7.9	1.47	264
250051004	2011	1	6	10	V	11.6	14.5	1.47	313
250051004	2011	1	6	11	V	13.1	4.8	1.06	264
250051004	2011	1	6	12	V	36.2	3.8	1.67	343
250051004	2011	1	6	13	V	9.7	2.3	1.93	279
250051004	2011	1	6	14	V	9.7	2.6	1.91	222
250051004	2011	1	6	15	V	8.2	2.5	1.86	207
250051004	2011	1	6	16	V	6.8	6.1	2.15	164
250051004	2011	1	6	17	V	8.9	5.1	1.67	129
250051004	2011	1	6	18	V	5.8	3.6	1.25	167

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	6	19	V	4.4	3.7	1.11	177
250051004	2011	1	6	20	V	4.3	3.9	0.7	47
250051004	2011	1	6	21	V	4.1	4.5	1.42	22
250051004	2011	1	6	22	V	3.6	4.5	1.82	27
250051004	2011	1	6	23	V	3.7	4.5	1.96	28
250051004	2011	1	6	24	V	4.8	2.7	1.16	348
250051004	2011	1	7	1	V	4.1	3.1	2.11	351
250051004	2011	1	7	2	V	5.3	3.5	1.84	4
250051004	2011	1	7	3	V	4.8	3.9	1.91	6
250051004	2011	1	7	4	V	7.3	4	1.69	3
250051004	2011	1	7	5	V	8.0	4.3	2.03	1
250051004	2011	1	7	6	V	6.2	7.6	1.98	354
250051004	2011	1	7	7	V	9.3	9.6	2.11	9
250051004	2011	1	7	8	V	8.3	10.3	2.59	22
250051004	2011	1	7	9	V	7.2	12.4	3.17	20
250051004	2011	1	7	10	V	8.1	10.9	2.93	31
250051004	2011	1	7	11	V	8.6	7.4	2.67	35
250051004	2011	1	7	12	V	8.5	3	2.72	43
250051004	2011	1	7	13	V	8.8	2.3	3.9	38
250051004	2011	1	7	14	V	9.3	2	4.71	48
250051004	2011	1	7	15	V	8.0	2.3	5.19	51
250051004	2011	1	7	16	V	6.8	2.3	3.66	60
250051004	2011	1	7	17	V	8.9	2.1	3.37	55
250051004	2011	1	7	18	V	5.8	2.3	3.51	58
250051004	2011	1	7	19	V	4.4	2.3	3.25	65
250051004	2011	1	7	20	V	4.3	2.4	3.07	49
250051004	2011	1	7	21	V	4.1	1.9	2.54	54
250051004	2011	1	7	22	V	3.6	-999	2.55	43
250051004	2011	1	7	23	V	3.7	1.6	2.18	47
250051004	2011	1	7	24	V	4.8	2.1	2.27	18
250051004	2011	1	8	1	V	4.1	2.1	2.78	30
250051004	2011	1	8	2	V	5.3	2.3	3.15	25
250051004	2011	1	8	3	V	4.8	2.4	1.93	312
250051004	2011	1	8	4	V	7.3	4.8	2.47	360
250051004	2011	1	8	5	V	8.0	3.2	2.42	5
250051004	2011	1	8	6	V	6.2	2.8	2.32	347
250051004	2011	1	8	7	V	9.3	3.1	2.01	314
250051004	2011	1	8	8	V	8.3	3.2	2.13	315
250051004	2011	1	8	9	V	7.2	4.1	2.71	333
250051004	2011	1	8	10	V	8.2	9.5	3.39	342
250051004	2011	1	8	11	V	8.7	7.4	2.93	350
250051004	2011	1	8	12	V	8.5	10.5	2.84	360
250051004	2011	1	8	13	V	8.8	9.3	3.27	18
250051004	2011	1	8	14	V	9.3	6.9	3.37	24
250051004	2011	1	8	15	V	8.0	4.9	3.75	356
250051004	2011	1	8	16	V	6.8	3.3	4.65	350

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	8	17	V	8.9	2.8	4.82	350
250051004	2011	1	8	18	V	5.8	2.7	5.04	350
250051004	2011	1	8	19	V	4.4	2.4	5.51	346
250051004	2011	1	8	20	V	4.3	2.3	4.7	342
250051004	2011	1	8	21	V	4.5	5	4.6	324
250051004	2011	1	8	22	V	4.1	17.1	5.19	321
250051004	2011	1	8	23	V	4.0	12.7	5.55	332
250051004	2011	1	8	24	V	6.5	4.1	5.16	329
250051004	2011	1	9	1	V	4.3	6.6	5.28	331
250051004	2011	1	9	2	V	5.3	51.3	5.63	314
250051004	2011	1	9	3	V	4.8	53.3	5.77	313
250051004	2011	1	9	4	V	7.3	49.5	6.33	313
250051004	2011	1	9	5	V	8.9	64.9	6.35	320
250051004	2011	1	9	6	V	6.6	32.5	6.04	318
250051004	2011	1	9	7	V	12.5	17.1	6.57	321
250051004	2011	1	9	8	V	8.4	20.2	7.23	313
250051004	2011	1	9	9	V	7.2	3.5	6.35	306
250051004	2011	1	9	10	V	8.2	4.5	7.52	304
250051004	2011	1	9	11	V	8.6	4	6.89	305
250051004	2011	1	9	12	V	8.5	3.2	7.06	303
250051004	2011	1	9	13	V	8.8	2.1	7.31	301
250051004	2011	1	9	14	V	9.3	1.6	7.2	298
250051004	2011	1	9	15	V	8.0	1.5	6.96	296
250051004	2011	1	9	16	V	6.8	1.1	6.57	288
250051004	2011	1	9	17	V	8.9	1.2	7.2	288
250051004	2011	1	9	18	V	5.8	1.3	7.11	291
250051004	2011	1	9	19	V	4.4	1	7.33	288
250051004	2011	1	9	20	V	4.3	1	7.6	287
250051004	2011	1	9	21	V	4.1	1.1	7.86	283
250051004	2011	1	9	22	V	3.6	1.1	6.87	287
250051004	2011	1	9	23	V	3.7	1.2	6.11	297
250051004	2011	1	9	24	V	4.8	0.8	5	295
250051004	2011	1	10	1	V	4.1	1	4.19	292
250051004	2011	1	10	2	V	5.3	1.3	3.75	289
250051004	2011	1	10	3	V	4.8	1.3	3.85	290
250051004	2011	1	10	4	V	7.3	1.4	3.92	297
250051004	2011	1	10	5	V	8.0	1.4	4.07	290
250051004	2011	1	10	6	V	6.2	1.6	3.75	300
250051004	2011	1	10	7	V	9.3	1.3	4.19	291
250051004	2011	1	10	8	V	8.3	1.5	4.8	282
250051004	2011	1	10	9	V	7.2	1.8	6.02	295
250051004	2011	1	10	10	V	8.2	2.7	5.51	300
250051004	2011	1	10	11	V	9.1	2.7	6.62	308
250051004	2011	1	10	12	V	15.1	3.5	6.87	315
250051004	2011	1	10	13	V	12.7	14.3	7.03	313
250051004	2011	1	10	14	V	10.0	13.7	6.41	308

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	10	15	V	8.5	6.3	5.73	308
250051004	2011	1	10	16	V	6.9	1.1	6.7	306
250051004	2011	1	10	17	V	8.9	2.4	4.94	307
250051004	2011	1	10	18	V	5.8	3.2	4.19	304
250051004	2011	1	10	19	V	4.4	15.4	4.51	320
250051004	2011	1	10	20	V	4.3	52.3	4.97	333
250051004	2011	1	10	21	V	4.1	27.3	3.34	321
250051004	2011	1	10	22	V	3.6	-999	2.11	278
250051004	2011	1	10	23	V	3.7	2.2	1.76	258
250051004	2011	1	10	24	V	4.8	2	2.49	268
250051004	2011	1	11	1	V	4.1	3.9	1.64	299
250051004	2011	1	11	2	V	5.3	2.5	2.76	328
250051004	2011	1	11	3	V	4.8	2	3.4	330
250051004	2011	1	11	4	V	7.3	1.8	2.67	340
250051004	2011	1	11	5	V	8.0	1.9	2.27	337
250051004	2011	1	11	6	V	6.2	2.4	2.95	346
250051004	2011	1	11	7	V	9.3	2.2	3.08	351
250051004	2011	1	11	8	V	8.3	3.2	2.42	329
250051004	2011	1	11	9	V	7.2	3.7	3.54	347
250051004	2011	1	11	10	V	8.2	2.8	2.91	349
250051004	2011	1	11	11	V	8.7	3.1	2.55	4
250051004	2011	1	11	12	V	11.0	3	1.98	353
250051004	2011	1	11	13	V	139.2	7.9	0.79	324
250051004	2011	1	11	14	V	19.5	11.9	0.89	107
250051004	2011	1	11	15	V	8.8	12.3	1.52	177
250051004	2011	1	11	16	V	6.8	9.3	1.65	120
250051004	2011	1	11	17	V	8.9	9.3	1.23	135
250051004	2011	1	11	18	V	5.8	4.8	1.69	117
250051004	2011	1	11	19	V	4.4	2.3	0.92	110
250051004	2011	1	11	20	V	4.3	2.2	1.5	74
250051004	2011	1	11	21	V	4.1	2.3	2.32	75
250051004	2011	1	11	22	V	3.6	2.5	3.23	90
250051004	2011	1	11	23	V	3.7	2.2	2.98	54
250051004	2011	1	11	24	V	4.8	2.2	3.54	47
250051004	2011	1	12	1	V	4.1	1.8	4.41	23
250051004	2011	1	12	2	V	5.3	1.2	6.45	42
250051004	2011	1	12	3	V	4.8	1.1	7.99	46
250051004	2011	1	12	4	V	7.3	1.3	8.32	46
250051004	2011	1	12	5	V	8.0	1.3	8.59	46
250051004	2011	1	12	6	V	6.2	1.3	9.78	30
250051004	2011	1	12	7	V	9.3	1.5	11.07	30
250051004	2011	1	12	8	V	8.3	2	11.5	23
250051004	2011	1	12	9	V	7.2	1.9	11.7	1
250051004	2011	1	12	10	V	9.3	6.2	9.46	312
250051004	2011	1	12	11	V	8.6	2.7	9.29	291
250051004	2011	1	12	12	V	8.5	2.1	10.1	285

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	12	13	V	8.8	1.9	9.05	283
250051004	2011	1	12	14	V	9.3	1.6	9.05	286
250051004	2011	1	12	15	V	8.0	1.7	9.3	289
250051004	2011	1	12	16	V	6.9	1.6	9.02	286
250051004	2011	1	12	17	V	8.9	1.8	7.89	287
250051004	2011	1	12	18	V	5.8	1.6	7.55	285
250051004	2011	1	12	19	V	4.4	1.6	7.77	284
250051004	2011	1	12	20	V	4.3	1.3	7.52	283
250051004	2011	1	12	21	V	4.1	1.3	7.06	287
250051004	2011	1	12	22	V	3.6	1.4	6.6	290
250051004	2011	1	12	23	V	3.7	1.4	7.14	291
250051004	2011	1	12	24	V	4.8	1.3	6.58	299
250051004	2011	1	13	1	V	4.1	1.5	6.87	303
250051004	2011	1	13	2	V	5.3	2.3	6.72	301
250051004	2011	1	13	3	V	4.8	2.4	6.26	304
250051004	2011	1	13	4	V	7.3	1.9	6.16	307
250051004	2011	1	13	5	V	8.0	5.8	6.06	311
250051004	2011	1	13	6	V	6.2	5.5	6.58	312
250051004	2011	1	13	7	V	9.3	4.6	5.72	316
250051004	2011	1	13	8	V	8.3	33.8	5.68	317
250051004	2011	1	13	9	V	50.9	61.2	6.5	324
250051004	2011	1	13	10	V	59.7	41.8	6.5	330
250051004	2011	1	13	11	V	63.4	26.6	5.99	325
250051004	2011	1	13	12	V	57.8	44.5	6.45	323
250051004	2011	1	13	13	V	14.5	28.2	5.82	312
250051004	2011	1	13	14	V	10.8	26.7	6.75	309
250051004	2011	1	13	15	V	10.3	13.5	6.35	311
250051004	2011	1	13	16	V	6.9	31.8	5.7	313
250051004	2011	1	13	17	V	8.9	8.4	4.07	301
250051004	2011	1	13	18	V	5.8	4.9	3.91	308
250051004	2011	1	13	19	V	4.4	15.3	4.75	319
250051004	2011	1	13	20	V	4.5	28.9	5.12	326
250051004	2011	1	13	21	V	4.1	19.6	2.96	305
250051004	2011	1	13	22	V	3.6	-999	2.49	298
250051004	2011	1	13	23	V	3.7	9	2.13	299
250051004	2011	1	13	24	V	4.8	14	2.13	300
250051004	2011	1	14	1	V	4.1	11.3	2.9	321
250051004	2011	1	14	2	V	5.3	3.4	2.1	305
250051004	2011	1	14	3	V	4.8	10	1.7	270
250051004	2011	1	14	4	V	7.3	13.6	2.11	286
250051004	2011	1	14	5	V	8.0	6.1	2.08	298
250051004	2011	1	14	6	V	6.2	6.7	1.98	280
250051004	2011	1	14	7	V	9.3	15.1	2.27	277
250051004	2011	1	14	8	V	8.3	6.6	2.35	282
250051004	2011	1	14	9	V	7.2	10	2.95	291
250051004	2011	1	14	10	V	8.7	8.7	3.27	311

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	14	11	V	33.7	12.1	2.88	316
250051004	2011	1	14	12	V	11.4	14.4	3.29	308
250051004	2011	1	14	13	V	64.5	6.6	3.51	326
250051004	2011	1	14	14	V	16.8	8.1	3.32	313
250051004	2011	1	14	15	V	8.3	4.5	3.85	303
250051004	2011	1	14	16	V	24.7	5	3.73	327
250051004	2011	1	14	17	V	8.9	6.8	3.17	324
250051004	2011	1	14	18	V	5.8	3.7	3.3	311
250051004	2011	1	14	19	V	4.4	3	3.63	313
250051004	2011	1	14	20	V	4.3	3.4	2.49	303
250051004	2011	1	14	21	V	4.1	3.5	2.33	286
250051004	2011	1	14	22	V	3.6	3.4	2.67	278
250051004	2011	1	14	23	V	3.7	3.6	2.56	291
250051004	2011	1	14	24	V	4.8	15.7	2.69	282
250051004	2011	1	15	1	V	4.1	7.4	2.52	287
250051004	2011	1	15	2	V	5.3	9.6	1.98	254
250051004	2011	1	15	3	V	4.8	5	2.06	264
250051004	2011	1	15	4	V	7.3	3.3	1.84	262
250051004	2011	1	15	5	V	8.0	3.4	2.62	271
250051004	2011	1	15	6	V	6.2	4.4	2.64	275
250051004	2011	1	15	7	V	9.3	6.4	2.1	272
250051004	2011	1	15	8	V	8.3	8.7	1.59	232
250051004	2011	1	15	9	V	7.2	6.6	1.93	239
250051004	2011	1	15	10	V	8.1	3.6	2.1	254
250051004	2011	1	15	11	V	11.2	2.4	1.4	248
250051004	2011	1	15	12	V	12.3	1.6	1.3	158
250051004	2011	1	15	13	V	9.6	1.7	2.5	145
250051004	2011	1	15	14	V	9.4	2.1	4.56	211
250051004	2011	1	15	15	V	8.0	2.3	5.16	202
250051004	2011	1	15	16	V	6.8	2.6	5.16	190
250051004	2011	1	15	17	V	8.9	3.1	3.2	176
250051004	2011	1	15	18	V	5.8	4.3	2.93	188
250051004	2011	1	15	19	V	4.4	3.9	2.84	190
250051004	2011	1	15	20	V	4.3	3.1	4.08	225
250051004	2011	1	15	21	V	4.1	2	6.53	229
250051004	2011	1	15	22	V	3.6	2.1	6.33	223
250051004	2011	1	15	23	V	3.7	2.2	4.66	219
250051004	2011	1	15	24	V	4.8	2.2	3.18	208
250051004	2011	1	16	1	V	4.1	2.9	2.37	208
250051004	2011	1	16	2	V	5.3	3.2	1.7	212
250051004	2011	1	16	3	V	4.8	3.6	1.98	231
250051004	2011	1	16	4	V	7.3	4	1.88	250
250051004	2011	1	16	5	V	8.0	4.4	2.32	272
250051004	2011	1	16	6	V	6.2	4.3	2.69	275
250051004	2011	1	16	7	V	9.3	3.6	4	289
250051004	2011	1	16	8	V	8.3	2.7	4.25	288

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	16	9	V	7.2	2	4.48	285
250051004	2011	1	16	10	V	8.2	2.5	5.21	282
250051004	2011	1	16	11	V	8.7	2.5	5.24	297
250051004	2011	1	16	12	V	11.1	3.7	6.57	310
250051004	2011	1	16	13	V	9.2	3.6	5.72	304
250051004	2011	1	16	14	V	15.0	2.6	6.45	312
250051004	2011	1	16	15	V	8.1	2	5.75	296
250051004	2011	1	16	16	V	6.9	2.2	4.75	291
250051004	2011	1	16	17	V	8.9	2.6	2.98	295
250051004	2011	1	16	18	V	5.8	2.2	1.94	296
250051004	2011	1	16	19	V	4.4	2.9	1.96	269
250051004	2011	1	16	20	V	4.3	3.3	2.81	286
250051004	2011	1	16	21	V	4.1	3.2	4.39	300
250051004	2011	1	16	22	V	3.6	-999	4.39	296
250051004	2011	1	16	23	V	3.7	1.8	3.9	299
250051004	2011	1	16	24	V	4.8	1.7	3.35	305
250051004	2011	1	17	1	V	4.1	2.7	4.09	299
250051004	2011	1	17	2	V	5.3	2.4	3.44	297
250051004	2011	1	17	3	V	4.8	2.2	3.59	307
250051004	2011	1	17	4	V	7.3	-999	3.97	312
250051004	2011	1	17	5	V	8.0	5.1	2.84	309
250051004	2011	1	17	6	V	6.2	8.8	3.32	316
250051004	2011	1	17	7	V	9.3	6.9	3.35	313
250051004	2011	1	17	8	V	8.3	6.3	3.24	299
250051004	2011	1	17	9	V	9.4	26.6	4.82	314
250051004	2011	1	17	10	V	10.8	16.8	4.68	310
250051004	2011	1	17	11	V	23.3	13.8	3.93	341
250051004	2011	1	17	12	V	55.1	18.1	3.71	326
250051004	2011	1	17	13	V	15.4	20.7	3.46	348
250051004	2011	1	17	14	V	17.3	14.5	2.84	349
250051004	2011	1	17	15	V	8.9	10.1	1.26	55
250051004	2011	1	17	16	V	6.8	12.3	1.25	73
250051004	2011	1	17	17	V	8.9	45	2.35	53
250051004	2011	1	17	18	V	5.8	11.4	2.76	56
250051004	2011	1	17	19	V	4.4	4.4	2.49	47
250051004	2011	1	17	20	V	4.3	3.3	2.22	53
250051004	2011	1	17	21	V	4.1	3.2	2.01	101
250051004	2011	1	17	22	V	3.6	2.6	1.96	54
250051004	2011	1	17	23	V	3.7	2.5	2.54	54
250051004	2011	1	17	24	V	4.8	1.9	1.84	53
250051004	2011	1	18	1	V	4.1	2.2	2.45	36
250051004	2011	1	18	2	V	5.3	2.3	2.57	42
250051004	2011	1	18	3	V	4.8	2.1	3.24	53
250051004	2011	1	18	4	V	7.3	2.5	3.03	42
250051004	2011	1	18	5	V	8.0	1.8	3.97	38
250051004	2011	1	18	6	V	6.2	1.5	3.74	42

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	18	7	V	9.3	1.3	3.29	37
250051004	2011	1	18	8	V	8.3	1.5	4.51	33
250051004	2011	1	18	9	V	7.2	1.5	4.99	45
250051004	2011	1	18	10	V	8.1	1.5	5.14	47
250051004	2011	1	18	11	V	8.6	1.4	5.1	43
250051004	2011	1	18	12	V	8.5	1.2	4.37	44
250051004	2011	1	18	13	V	8.8	1.4	3.34	47
250051004	2011	1	18	14	V	9.3	1.3	3.2	64
250051004	2011	1	18	15	V	8.0	1.1	6.53	92
250051004	2011	1	18	16	V	6.8	1.1	6.99	84
250051004	2011	1	18	17	V	8.9	1.2	5.24	56
250051004	2011	1	18	18	V	5.8	1.2	4.07	35
250051004	2011	1	18	19	V	4.4	1	4.49	360
250051004	2011	1	18	20	V	4.3	1.3	4.87	355
250051004	2011	1	18	21	V	4.1	1.9	5.73	351
250051004	2011	1	18	22	V	3.6	1.4	5.45	350
250051004	2011	1	18	23	V	3.7	1.3	4.9	340
250051004	2011	1	18	24	V	4.8	1.4	5.21	335
250051004	2011	1	19	1	V	6.2	3	5.28	328
250051004	2011	1	19	2	V	6.7	1.5	5.27	329
250051004	2011	1	19	3	V	5.4	6.5	4.73	327
250051004	2011	1	19	4	V	7.5	19.3	4	327
250051004	2011	1	19	5	V	8.0	14.8	3.01	304
250051004	2011	1	19	6	V	6.2	2.7	2.32	272
250051004	2011	1	19	7	V	9.3	2.7	3.27	260
250051004	2011	1	19	8	V	8.3	2.3	3.52	269
250051004	2011	1	19	9	V	7.2	2.8	3.17	298
250051004	2011	1	19	10	V	8.2	3.7	3.12	305
250051004	2011	1	19	11	V	8.6	3.9	3.08	304
250051004	2011	1	19	12	V	8.5	3.6	3.13	282
250051004	2011	1	19	13	V	8.9	3.2	3.32	285
250051004	2011	1	19	14	V	9.3	2.7	3.66	283
250051004	2011	1	19	15	V	8.1	3.1	3.88	303
250051004	2011	1	19	16	V	6.8	3.5	3.85	305
250051004	2011	1	19	17	V	8.9	2.2	3.12	306
250051004	2011	1	19	18	V	5.8	1.8	3.17	314
250051004	2011	1	19	19	V	4.4	2.6	2.81	306
250051004	2011	1	19	20	V	4.3	2	2.84	300
250051004	2011	1	19	21	V	4.1	1.7	2.98	306
250051004	2011	1	19	22	V	3.6	-999	2.57	300
250051004	2011	1	19	23	V	3.7	1.8	4.29	292
250051004	2011	1	19	24	V	4.8	2.1	5.16	316
250051004	2011	1	20	1	V	4.1	3.3	4.76	317
250051004	2011	1	20	2	V	5.3	3.4	4.48	319
250051004	2011	1	20	3	V	4.8	3.3	4.36	321
250051004	2011	1	20	4	V	7.3	5.4	3.66	305

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	20	5	V	8.0	4.4	4.31	312
250051004	2011	1	20	6	V	6.2	5.2	3.73	311
250051004	2011	1	20	7	V	9.3	5.3	3.69	305
250051004	2011	1	20	8	V	8.3	4.1	3.83	304
250051004	2011	1	20	9	V	8.0	8.5	4.54	312
250051004	2011	1	20	10	V	11.9	13.5	5.19	314
250051004	2011	1	20	11	V	8.7	12	4.73	305
250051004	2011	1	20	12	V	8.7	3.6	4.29	305
250051004	2011	1	20	13	V	8.9	2.1	4.8	278
250051004	2011	1	20	14	V	9.3	2.3	4.37	289
250051004	2011	1	20	15	V	8.1	1.8	3.34	278
250051004	2011	1	20	16	V	6.8	2.1	3.95	289
250051004	2011	1	20	17	V	8.9	2.9	3.03	277
250051004	2011	1	20	18	V	5.8	2.4	2.15	281
250051004	2011	1	20	19	V	4.4	2.5	2.13	282
250051004	2011	1	20	20	V	4.3	2.8	2.3	283
250051004	2011	1	20	21	V	4.1	3.7	2.55	322
250051004	2011	1	20	22	V	3.6	3.2	1.89	4
250051004	2011	1	20	23	V	3.7	3.6	1.38	8
250051004	2011	1	20	24	V	4.8	3	1.08	9
250051004	2011	1	21	1	V	4.1	3.1	1.14	45
250051004	2011	1	21	2	V	5.3	3.6	2.88	22
250051004	2011	1	21	3	V	4.8	3	3.32	25
250051004	2011	1	21	4	V	7.3	2.5	3.49	34
250051004	2011	1	21	5	V	8.0	2	3.47	24
250051004	2011	1	21	6	V	6.2	2	4.02	12
250051004	2011	1	21	7	V	9.3	2.7	5	12
250051004	2011	1	21	8	V	8.3	3.4	4.63	4
250051004	2011	1	21	9	V	7.2	3.4	5.79	345
250051004	2011	1	21	10	V	19.1	4	5.67	334
250051004	2011	1	21	11	V	48.6	9.4	5.43	327
250051004	2011	1	21	12	V	9.6	11.2	5.48	310
250051004	2011	1	21	13	V	8.9	5	7.5	301
250051004	2011	1	21	14	V	9.4	4.7	7.82	304
250051004	2011	1	21	15	V	8.1	4	8.74	294
250051004	2011	1	21	16	V	6.9	2.9	8.9	294
250051004	2011	1	21	17	V	8.9	2.5	5.09	296
250051004	2011	1	21	18	V	5.8	2.8	5.19	291
250051004	2011	1	21	19	V	4.4	2.7	6.99	284
250051004	2011	1	21	20	V	4.3	2.8	5.7	271
250051004	2011	1	21	21	V	4.1	2.6	5.56	268
250051004	2011	1	21	22	V	3.6	2.8	6.24	270
250051004	2011	1	21	23	V	3.7	2.4	6.89	279
250051004	2011	1	21	24	V	4.8	2.1	7.42	275
250051004	2011	1	22	1	V	4.1	2.1	6.55	278
250051004	2011	1	22	2	V	5.3	2.5	5.63	287

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	22	3	V	4.8	2.8	5.33	285
250051004	2011	1	22	4	V	7.3	2.5	4.07	291
250051004	2011	1	22	5	V	8.0	2.1	3.27	276
250051004	2011	1	22	6	V	6.2	2.4	4.14	272
250051004	2011	1	22	7	V	9.3	2.3	3.3	287
250051004	2011	1	22	8	V	8.3	2.7	2.64	284
250051004	2011	1	22	9	V	7.2	3	3.73	288
250051004	2011	1	22	10	V	8.3	13.8	4.24	302
250051004	2011	1	22	11	V	15.5	23.1	2.86	305
250051004	2011	1	22	12	V	56.0	26.6	1.3	305
250051004	2011	1	22	13	V	14.0	15	1.28	90
250051004	2011	1	22	14	V	14.3	9.5	1.11	90
250051004	2011	1	22	15	V	8.9	14.1	1.57	86
250051004	2011	1	22	16	V	6.8	28.3	2.13	131
250051004	2011	1	22	17	V	8.9	20.9	1.71	154
250051004	2011	1	22	18	V	5.8	10.7	0.57	169
250051004	2011	1	22	19	V	4.4	6.3	0.63	211
250051004	2011	1	22	20	V	4.3	5.9	1.21	251
250051004	2011	1	22	21	V	4.1	3.8	1.65	290
250051004	2011	1	22	22	V	3.6	-999	1.81	310
250051004	2011	1	22	23	V	3.7	3.5	1.47	313
250051004	2011	1	22	24	V	4.8	4.6	1.45	263
250051004	2011	1	23	1	V	4.1	5.2	1.72	280
250051004	2011	1	23	2	V	5.3	6.5	1.93	279
250051004	2011	1	23	3	V	4.8	11.3	1.55	281
250051004	2011	1	23	4	V	7.3	5	1.35	283
250051004	2011	1	23	5	V	8.0	4.6	1.69	276
250051004	2011	1	23	6	V	6.2	5.4	1.69	267
250051004	2011	1	23	7	V	9.3	6.5	1.99	273
250051004	2011	1	23	8	V	8.3	12.8	2.83	278
250051004	2011	1	23	9	V	7.2	28	2.06	281
250051004	2011	1	23	10	V	8.4	12.5	2.66	296
250051004	2011	1	23	11	V	12.7	8.2	5.43	343
250051004	2011	1	23	12	V	10.0	16.8	5.55	347
250051004	2011	1	23	13	V	15.6	13.8	6.47	341
250051004	2011	1	23	14	V	18.5	3.6	6.64	339
250051004	2011	1	23	15	V	67.7	13.2	6.33	327
250051004	2011	1	23	16	V	27.7	26.8	6.7	319
250051004	2011	1	23	17	V	9.0	23.8	6.26	318
250051004	2011	1	23	18	V	5.8	6.4	6.33	311
250051004	2011	1	23	19	V	4.4	16	6.26	301
250051004	2011	1	23	20	V	4.3	2.1	5.34	296
250051004	2011	1	23	21	V	4.1	1.8	5.02	285
250051004	2011	1	23	22	V	3.6	1.7	4.93	285
250051004	2011	1	23	23	V	3.7	1.8	4.78	289
250051004	2011	1	23	24	V	4.8	1.7	4.54	289

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	24	1	V	4.1	2.6	4.05	291
250051004	2011	1	24	2	V	5.3	1.8	4.07	288
250051004	2011	1	24	3	V	4.8	2.1	3.68	295
250051004	2011	1	24	4	V	7.3	3.1	3.29	314
250051004	2011	1	24	5	V	8.0	5.1	3.25	300
250051004	2011	1	24	6	V	6.2	9.4	3.25	308
250051004	2011	1	24	7	V	9.3	7.6	3.41	294
250051004	2011	1	24	8	V	8.3	8.8	3.49	299
250051004	2011	1	24	9	V	8.1	28.9	4.7	310
250051004	2011	1	24	10	V	58.4	35.1	4.73	328
250051004	2011	1	24	11	V	48.5	22.8	4.66	321
250051004	2011	1	24	12	V	34.0	7.3	4.75	317
250051004	2011	1	24	13	V	36.1	7.5	4.07	317
250051004	2011	1	24	14	V	44.6	6.8	2.36	327
250051004	2011	1	24	15	C	-999	5.4	0	0
250051004	2011	1	24	16	V	6.9	2.7	2.36	278
250051004	2011	1	24	17	V	8.9	2.9	2.36	328
250051004	2011	1	24	18	V	5.8	4.1	2.15	266
250051004	2011	1	24	19	V	4.4	2.4	2.79	270
250051004	2011	1	24	20	V	4.3	2.7	2.11	261
250051004	2011	1	24	21	V	4.1	3.8	1.45	268
250051004	2011	1	24	22	V	3.6	3.8	1.33	255
250051004	2011	1	24	23	V	3.7	4.2	1.47	270
250051004	2011	1	24	24	V	4.8	6.4	1.57	252
250051004	2011	1	25	1	V	4.1	7.2	0.86	274
250051004	2011	1	25	2	V	5.3	5	1.09	28
250051004	2011	1	25	3	V	4.8	4.5	0.63	5
250051004	2011	1	25	4	V	7.3	6	0.97	39
250051004	2011	1	25	5	V	8.1	5.2	0.77	319
250051004	2011	1	25	6	V	6.2	4.7	1.31	271
250051004	2011	1	25	7	V	9.4	3.4	0.72	324
250051004	2011	1	25	8	V	8.3	2.9	1.32	282
250051004	2011	1	25	9	V	7.2	3.5	0.92	262
250051004	2011	1	25	10	C	-999	4.5	0	0
250051004	2011	1	25	11	V	8.9	5.1	2.06	194
250051004	2011	1	25	12	V	8.5	5.2	2.93	191
250051004	2011	1	25	13	V	8.8	4	3.97	226
250051004	2011	1	25	14	V	9.3	4.4	3.95	219
250051004	2011	1	25	15	V	8.1	4.3	3.08	256
250051004	2011	1	25	16	V	6.9	4.8	2.86	287
250051004	2011	1	25	17	V	8.9	4.2	2.69	305
250051004	2011	1	25	18	V	5.8	5.5	1.71	298
250051004	2011	1	25	19	V	4.4	4.7	1.38	286
250051004	2011	1	25	20	C	-999	4.2	0	0
250051004	2011	1	25	21	V	4.1	4	1.09	243
250051004	2011	1	25	22	V	3.6	-999	1.82	268

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	25	23	V	3.7	4.1	0.91	317
250051004	2011	1	25	24	V	4.8	3.5	0.91	316
250051004	2011	1	26	1	V	4.1	3.2	1.71	279
250051004	2011	1	26	2	V	5.3	4.1	1.59	287
250051004	2011	1	26	3	V	4.8	5.8	1.45	275
250051004	2011	1	26	4	V	7.3	6.2	1.76	338
250051004	2011	1	26	5	V	8.0	7.7	1.76	224
250051004	2011	1	26	6	V	6.2	6.6	1.76	296
250051004	2011	1	26	7	V	9.3	7.9	1.06	279
250051004	2011	1	26	8	V	8.3	-999	2.54	338
250051004	2011	1	26	9	V	7.2	-999	1.94	15
250051004	2011	1	26	10	V	8.1	-999	1.88	12
250051004	2011	1	26	11	V	8.7	-999	2.33	17
250051004	2011	1	26	12	V	8.5	-999	3.39	21
250051004	2011	1	26	13	V	8.8	7.4	3.93	19
250051004	2011	1	26	14	V	9.3	9	4.39	23
250051004	2011	1	26	15	V	8.0	7.9	5.43	16
250051004	2011	1	26	16	V	6.8	6.3	5.43	16
250051004	2011	1	26	17	V	8.9	4.7	6.19	15
250051004	2011	1	26	18	V	5.8	5	6.94	16
250051004	2011	1	26	19	V	4.4	3.2	7.03	13
250051004	2011	1	26	20	V	4.3	2.6	7.4	16
250051004	2011	1	26	21	V	4.1	2.7	8.62	35
250051004	2011	1	26	22	V	3.6	3.2	9.66	29
250051004	2011	1	26	23	V	3.7	3.1	9.81	28
250051004	2011	1	26	24	V	4.8	2.4	8.91	15
250051004	2011	1	27	1	V	4.1	1.8	9.97	3
250051004	2011	1	27	2	V	5.3	1.6	11.48	6
250051004	2011	1	27	3	V	4.8	1.7	11.04	4
250051004	2011	1	27	4	V	7.3	1.8	9.17	356
250051004	2011	1	27	5	V	8.0	1.9	8.95	355
250051004	2011	1	27	6	V	6.2	1.9	7.13	342
250051004	2011	1	27	7	V	17.1	7.5	6.43	328
250051004	2011	1	27	8	V	10.4	26.6	5.22	329
250051004	2011	1	27	9	V	7.2	24.3	3.61	302
250051004	2011	1	27	10	V	8.2	5.3	5.16	301
250051004	2011	1	27	11	V	35.9	4.4	7.03	319
250051004	2011	1	27	12	V	19.1	10.8	7.76	315
250051004	2011	1	27	13	V	11.3	7.8	8.54	311
250051004	2011	1	27	14	V	9.3	2.2	8.2	288
250051004	2011	1	27	15	V	8.1	2	6.96	305
250051004	2011	1	27	16	V	6.9	1.8	7.35	302
250051004	2011	1	27	17	V	8.9	1.6	6.16	301
250051004	2011	1	27	18	V	5.8	1.8	3.83	290
250051004	2011	1	27	19	V	4.4	1.8	2.64	265
250051004	2011	1	27	20	V	4.3	2.3	3.12	269

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	27	21	V	4.1	1.9	3.15	264
250051004	2011	1	27	22	V	3.6	2.2	3.18	258
250051004	2011	1	27	23	V	3.7	2.3	3.23	260
250051004	2011	1	27	24	V	4.8	2	3.35	263
250051004	2011	1	28	1	V	4.1	2.1	3	262
250051004	2011	1	28	2	V	5.3	2.4	1.86	251
250051004	2011	1	28	3	V	4.8	2.7	1.45	261
250051004	2011	1	28	4	V	7.3	2.5	2.67	267
250051004	2011	1	28	5	V	8.0	2.8	2.79	272
250051004	2011	1	28	6	V	6.2	2.4	1.62	277
250051004	2011	1	28	7	V	9.3	1.8	1.33	229
250051004	2011	1	28	8	V	8.3	2.1	1.64	221
250051004	2011	1	28	9	V	7.2	5.2	1.23	248
250051004	2011	1	28	10	V	8.1	8.3	1.11	300
250051004	2011	1	28	11	V	8.6	6.5	0.77	54
250051004	2011	1	28	12	V	8.6	5.1	0.8	67
250051004	2011	1	28	13	V	36.5	5.2	0.69	102
250051004	2011	1	28	14	V	12.8	3.6	0.82	158
250051004	2011	1	28	15	V	8.1	2.4	1.79	144
250051004	2011	1	28	16	V	6.9	1.7	1.76	108
250051004	2011	1	28	17	V	8.9	1.5	1.93	114
250051004	2011	1	28	18	V	5.8	1.2	1.06	127
250051004	2011	1	28	19	V	4.4	1.6	1.11	168
250051004	2011	1	28	20	V	4.3	2.6	0.55	240
250051004	2011	1	28	21	V	4.1	2.6	0.99	256
250051004	2011	1	28	22	V	3.6	-999	1.25	268
250051004	2011	1	28	23	V	3.7	2.1	1.14	263
250051004	2011	1	28	24	V	4.8	2.2	0.86	287
250051004	2011	1	29	1	V	4.1	2.5	0.57	235
250051004	2011	1	29	2	V	5.3	2.4	1.23	251
250051004	2011	1	29	3	V	4.8	2.2	1.55	251
250051004	2011	1	29	4	V	7.3	2.7	1.18	216
250051004	2011	1	29	5	V	8.0	2.4	1.18	211
250051004	2011	1	29	6	V	6.2	2.3	1.04	187
250051004	2011	1	29	7	V	9.3	3	2.47	254
250051004	2011	1	29	8	V	8.3	4.2	1.88	247
250051004	2011	1	29	9	V	7.2	6.2	1.65	228
250051004	2011	1	29	10	V	8.1	7.3	2.57	264
250051004	2011	1	29	11	V	9.1	6.5	2.59	272
250051004	2011	1	29	12	V	11.3	6.9	1.55	209
250051004	2011	1	29	13	V	51.5	6.4	2.08	317
250051004	2011	1	29	14	V	9.5	6.2	3.17	263
250051004	2011	1	29	15	V	8.0	6	4.22	240
250051004	2011	1	29	16	V	6.9	5.7	3.49	260
250051004	2011	1	29	17	V	8.9	5.1	2.23	268
250051004	2011	1	29	18	V	5.8	5.2	2.66	255

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	29	19	V	4.4	5.1	3.56	245
250051004	2011	1	29	20	V	4.3	4.2	3.01	270
250051004	2011	1	29	21	V	4.1	3.3	2.35	258
250051004	2011	1	29	22	V	3.6	3.2	2.81	271
250051004	2011	1	29	23	V	3.7	3.1	3.01	268
250051004	2011	1	29	24	V	4.8	2.6	2.91	278
250051004	2011	1	30	1	V	4.1	2.8	2.88	273
250051004	2011	1	30	2	V	5.3	3.4	3.18	270
250051004	2011	1	30	3	V	4.8	3.4	2.88	272
250051004	2011	1	30	4	V	7.3	3.2	1.35	289
250051004	2011	1	30	5	V	8.0	2.9	1.09	287
250051004	2011	1	30	6	V	6.2	3.4	1.26	277
250051004	2011	1	30	7	V	9.3	4.2	1.67	257
250051004	2011	1	30	8	V	8.3	4.3	1.59	259
250051004	2011	1	30	9	V	7.2	5.4	0.7	273
250051004	2011	1	30	10	V	8.1	6.9	0.79	289
250051004	2011	1	30	11	V	9.2	5.2	1.04	177
250051004	2011	1	30	12	V	11.4	4.7	1.47	184
250051004	2011	1	30	13	V	12.3	2.7	1.55	159
250051004	2011	1	30	14	V	9.5	3.1	4.68	276
250051004	2011	1	30	15	V	8.1	3	4.87	281
250051004	2011	1	30	16	V	6.9	2.2	5.14	285
250051004	2011	1	30	17	V	8.9	3.1	4.99	300
250051004	2011	1	30	18	V	5.8	2.6	3.44	305
250051004	2011	1	30	19	V	4.4	2	2.3	309
250051004	2011	1	30	20	V	4.3	2	2.08	324
250051004	2011	1	30	21	V	4.1	2.7	2.08	287
250051004	2011	1	30	22	V	3.6	2.5	2.16	274
250051004	2011	1	30	23	V	3.7	1.9	3.25	289
250051004	2011	1	30	24	V	4.8	2.3	2.61	272
250051004	2011	1	31	1	V	4.1	1.5	2.72	269
250051004	2011	1	31	2	V	5.3	1.6	2.56	279
250051004	2011	1	31	3	V	4.8	1.6	2.13	267
250051004	2011	1	31	4	V	7.3	-999	1.91	285
250051004	2011	1	31	5	V	8.0	1.6	2.37	286
250051004	2011	1	31	6	V	6.2	3	2.33	273
250051004	2011	1	31	7	V	9.3	6.5	2.5	280
250051004	2011	1	31	8	V	8.3	9.8	2.3	273
250051004	2011	1	31	9	V	7.4	15.5	2.78	299
250051004	2011	1	31	10	V	14.4	5.1	4.71	343
250051004	2011	1	31	11	V	8.7	6.2	5.22	358
250051004	2011	1	31	12	V	8.5	2.3	5.63	360
250051004	2011	1	31	13	V	9.0	2.9	4.43	6
250051004	2011	1	31	14	V	9.4	1.4	3.88	12
250051004	2011	1	31	15	V	8.2	3.3	2.96	18
250051004	2011	1	31	16	V	7.0	5.6	2.44	41

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	1	31	17	V	8.9	0.6	2.72	46
250051004	2011	1	31	18	V	5.8	1.3	1.77	46
250051004	2011	1	31	19	V	4.4	2.8	1.31	85
250051004	2011	1	31	20	V	4.3	2.4	0.84	207
250051004	2011	1	31	21	V	4.1	2.5	0.65	352
250051004	2011	1	31	22	V	3.6	-999	1.81	357
250051004	2011	1	31	23	V	3.7	2.4	1.47	351
250051004	2011	1	31	24	V	4.8	2.5	2.21	6
250051004	2011	2	1	1	V	4.1	2	1.59	358
250051004	2011	2	1	2	V	5.3	4.6	2.05	7
250051004	2011	2	1	3	V	4.8	4.2	2.16	10
250051004	2011	2	1	4	V	7.3	2.7	2.79	26
250051004	2011	2	1	5	V	8.0	2.8	2.1	36
250051004	2011	2	1	6	V	6.2	1.3	2.96	47
250051004	2011	2	1	7	V	9.3	1.1	3.59	37
250051004	2011	2	1	8	V	8.3	1.1	3.42	14
250051004	2011	2	1	9	V	7.2	1.8	3.76	7
250051004	2011	2	1	10	V	8.1	4.1	3.81	25
250051004	2011	2	1	11	V	8.6	1.8	3.92	10
250051004	2011	2	1	12	V	8.4	2	5.14	6
250051004	2011	2	1	13	V	8.8	2.9	5.7	2
250051004	2011	2	1	14	V	9.3	5.3	5.58	4
250051004	2011	2	1	15	V	8.0	4.1	5.33	9
250051004	2011	2	1	16	V	6.8	4	5.82	6
250051004	2011	2	1	17	V	8.9	3.9	6.58	5
250051004	2011	2	1	18	V	5.8	4	6.92	357
250051004	2011	2	1	19	V	4.4	3.1	6.89	358
250051004	2011	2	1	20	V	4.3	2.9	6.98	359
250051004	2011	2	1	21	V	4.1	3.2	5.94	1
250051004	2011	2	1	22	V	3.6	2.8	5.65	3
250051004	2011	2	1	23	V	3.7	2.9	5.21	360
250051004	2011	2	1	24	V	4.8	2.7	5.63	358
250051004	2011	2	2	1	V	4.1	2.7	5.24	360
250051004	2011	2	2	2	V	5.3	3	4.54	360
250051004	2011	2	2	3	V	4.8	3	3.35	3
250051004	2011	2	2	4	V	7.3	2.9	4.05	357
250051004	2011	2	2	5	V	8.0	3	4.15	359
250051004	2011	2	2	6	V	6.2	5.4	3.56	360
250051004	2011	2	2	7	V	9.3	4.6	4.09	20
250051004	2011	2	2	8	V	8.3	1.6	3.32	6
250051004	2011	2	2	9	V	7.2	1.2	3.86	6
250051004	2011	2	2	10	V	8.1	1.2	4.29	17
250051004	2011	2	2	11	V	8.6	1.3	5.73	4
250051004	2011	2	2	12	V	8.5	1.6	5.92	352
250051004	2011	2	2	13	V	8.8	2	5.14	349
250051004	2011	2	2	14	V	9.3	2	5.36	350

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	2	15	V	8.0	1.5	6.5	358
250051004	2011	2	2	16	V	6.8	1.3	5.85	353
250051004	2011	2	2	17	V	8.9	1.8	6.67	354
250051004	2011	2	2	18	V	5.8	1.5	5	349
250051004	2011	2	2	19	V	4.4	1.2	4.78	344
250051004	2011	2	2	20	V	4.3	1.7	3.95	338
250051004	2011	2	2	21	V	4.1	3	4.15	333
250051004	2011	2	2	22	V	3.9	16.3	4.07	326
250051004	2011	2	2	23	V	3.7	11.6	1.96	307
250051004	2011	2	2	24	V	4.8	6.5	1.25	249
250051004	2011	2	3	1	V	4.1	3.4	1.6	203
250051004	2011	2	3	2	V	5.3	2.7	1.81	230
250051004	2011	2	3	3	V	4.8	3	2.56	282
250051004	2011	2	3	4	V	7.3	3.2	3.07	277
250051004	2011	2	3	5	V	8.0	2.6	5.05	281
250051004	2011	2	3	6	V	6.2	2	5.92	289
250051004	2011	2	3	7	V	9.3	6	4.66	297
250051004	2011	2	3	8	V	8.3	11.2	4.51	307
250051004	2011	2	3	9	V	8.2	28.3	5.44	313
250051004	2011	2	3	10	V	58.2	26.1	6.01	328
250051004	2011	2	3	11	V	19.9	3.4	5.55	337
250051004	2011	2	3	12	V	21.8	8.2	5.16	337
250051004	2011	2	3	13	V	57.5	18	4.87	329
250051004	2011	2	3	14	V	53.2	17.5	4.48	326
250051004	2011	2	3	15	V	12.5	6.7	3.63	342
250051004	2011	2	3	16	V	7.2	2.5	3.3	346
250051004	2011	2	3	17	V	8.9	1.1	2.3	323
250051004	2011	2	3	18	V	5.8	1.2	1.4	241
250051004	2011	2	3	19	V	4.4	1.1	2.2	226
250051004	2011	2	3	20	V	4.3	1.7	1.81	243
250051004	2011	2	3	21	V	4.1	1.3	2.08	251
250051004	2011	2	3	22	V	3.6	-999	2.52	253
250051004	2011	2	3	23	V	3.7	1.1	2.08	262
250051004	2011	2	3	24	V	4.8	1.2	2.57	267
250051004	2011	2	4	1	V	4.1	1.6	2.42	274
250051004	2011	2	4	2	V	5.3	2	2.81	259
250051004	2011	2	4	3	V	4.8	2.3	4.19	264
250051004	2011	2	4	4	V	7.3	2.5	4.2	267
250051004	2011	2	4	5	V	8.0	3.7	3.46	260
250051004	2011	2	4	6	V	6.2	2.5	3.03	263
250051004	2011	2	4	7	V	9.3	2	3.17	263
250051004	2011	2	4	8	V	8.3	2.7	2.69	254
250051004	2011	2	4	9	V	7.2	2.9	3.05	235
250051004	2011	2	4	10	V	8.2	2.9	4.85	239
250051004	2011	2	4	11	V	8.7	3.1	5.92	241
250051004	2011	2	4	12	V	8.5	2.8	6.75	245

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	4	13	V	8.9	2.6	5.7	237
250051004	2011	2	4	14	V	9.4	4.2	6.06	239
250051004	2011	2	4	15	V	8.1	5.5	5.51	243
250051004	2011	2	4	16	V	6.9	5.5	5.16	249
250051004	2011	2	4	17	V	8.9	6	5.07	262
250051004	2011	2	4	18	V	5.8	5.9	3.81	233
250051004	2011	2	4	19	V	4.4	6.8	3.81	215
250051004	2011	2	4	20	V	4.3	6.9	3.56	233
250051004	2011	2	4	21	V	4.1	6.1	3.76	241
250051004	2011	2	4	22	V	3.6	5	2.95	232
250051004	2011	2	4	23	V	3.7	5.1	3.93	247
250051004	2011	2	4	24	V	4.8	5	3.93	257
250051004	2011	2	5	1	V	4.1	4.3	3.68	264
250051004	2011	2	5	2	V	5.3	4.5	2.28	236
250051004	2011	2	5	3	V	4.8	5	1.54	224
250051004	2011	2	5	4	V	7.3	5.7	2.03	239
250051004	2011	2	5	5	V	8.0	5.4	2.2	241
250051004	2011	2	5	6	V	6.2	5.1	1.54	239
250051004	2011	2	5	7	V	9.3	5	0.72	221
250051004	2011	2	5	8	V	8.3	6.8	1.13	233
250051004	2011	2	5	9	V	7.2	7.6	1.04	206
250051004	2011	2	5	10	V	8.1	15	1.21	206
250051004	2011	2	5	11	V	16.5	6.3	0.7	104
250051004	2011	2	5	12	V	8.8	4.2	2.5	165
250051004	2011	2	5	13	V	9.0	3	2.74	147
250051004	2011	2	5	14	V	9.4	2.7	3.01	153
250051004	2011	2	5	15	V	8.3	2.5	2.06	146
250051004	2011	2	5	16	V	6.8	2.3	2.23	127
250051004	2011	2	5	17	V	8.9	1.6	1.69	98
250051004	2011	2	5	18	V	5.8	1.4	1.48	36
250051004	2011	2	5	19	V	4.4	1.4	2.1	102
250051004	2011	2	5	20	V	4.3	2.5	3.15	169
250051004	2011	2	5	21	V	4.1	1.6	2.62	161
250051004	2011	2	5	22	V	3.6	1.5	3.27	158
250051004	2011	2	5	23	V	3.7	1.7	8.96	207
250051004	2011	2	5	24	V	4.8	1.8	9.61	236
250051004	2011	2	6	1	V	4.1	1.6	9.32	244
250051004	2011	2	6	2	V	5.3	1.9	9.71	253
250051004	2011	2	6	3	V	4.8	2.1	9.81	252
250051004	2011	2	6	4	V	7.3	2.3	10.12	252
250051004	2011	2	6	5	V	8.0	2.8	8.81	261
250051004	2011	2	6	6	V	6.2	2.7	6.47	279
250051004	2011	2	6	7	V	9.3	2	7.25	293
250051004	2011	2	6	8	V	8.3	2.1	7.79	293
250051004	2011	2	6	9	V	7.2	3.5	6.75	304
250051004	2011	2	6	10	V	8.2	2.7	6.48	304

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	6	11	V	8.7	2.1	7.08	303
250051004	2011	2	6	12	V	8.6	6.6	5.9	302
250051004	2011	2	6	13	V	32.6	19.4	5.97	318
250051004	2011	2	6	14	V	53.8	9.7	4.75	329
250051004	2011	2	6	15	V	9.2	1.6	3.78	305
250051004	2011	2	6	16	V	6.9	1.3	3.17	293
250051004	2011	2	6	17	V	8.9	1.5	3.35	300
250051004	2011	2	6	18	V	5.8	5.9	2.47	319
250051004	2011	2	6	19	V	4.4	3.6	2.25	309
250051004	2011	2	6	20	V	4.3	3.1	2.11	298
250051004	2011	2	6	21	V	4.1	2	2.35	300
250051004	2011	2	6	22	V	3.6	-999	2.45	291
250051004	2011	2	6	23	V	3.7	2	1.79	296
250051004	2011	2	6	24	V	4.8	2.9	1.69	272
250051004	2011	2	7	1	V	4.1	2.6	1.96	281
250051004	2011	2	7	2	V	5.3	2.6	1.14	233
250051004	2011	2	7	3	V	4.8	2.4	1.11	213
250051004	2011	2	7	4	V	7.3	2.2	1.3	247
250051004	2011	2	7	5	V	8.0	2	1.25	217
250051004	2011	2	7	6	V	6.2	1.9	1.93	262
250051004	2011	2	7	7	V	9.3	3.6	1.79	258
250051004	2011	2	7	8	V	8.3	4.2	1.48	239
250051004	2011	2	7	9	V	7.2	3.7	1.01	203
250051004	2011	2	7	10	V	8.1	4.1	1.25	184
250051004	2011	2	7	11	V	10.9	4	1.65	164
250051004	2011	2	7	12	V	8.6	3.3	4.19	153
250051004	2011	2	7	13	V	8.9	1.4	4.66	148
250051004	2011	2	7	14	V	9.3	1.5	5.28	152
250051004	2011	2	7	15	V	8.0	1.5	5.84	154
250051004	2011	2	7	16	V	6.8	2.2	4.46	155
250051004	2011	2	7	17	V	8.9	2.1	4.14	174
250051004	2011	2	7	18	V	5.8	2.8	4.07	181
250051004	2011	2	7	19	V	4.4	1.7	3.03	191
250051004	2011	2	7	20	V	4.3	2.1	2.84	192
250051004	2011	2	7	21	V	4.1	1.8	2.79	181
250051004	2011	2	7	22	V	3.6	1.6	0.79	79
250051004	2011	2	7	23	V	3.7	2.3	1.25	97
250051004	2011	2	7	24	V	4.8	2.1	0.58	136
250051004	2011	2	8	1	V	4.1	2.2	1.31	1
250051004	2011	2	8	2	V	5.3	1.7	1.52	78
250051004	2011	2	8	3	V	4.8	1.5	1.7	78
250051004	2011	2	8	4	V	7.3	1.4	1.47	79
250051004	2011	2	8	5	V	8.0	2.1	1.06	341
250051004	2011	2	8	6	V	6.2	1.9	1.23	322
250051004	2011	2	8	7	V	9.3	4.5	0.69	217
250051004	2011	2	8	8	V	8.3	2.7	1.38	235

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	8	9	V	7.2	2.1	2.05	208
250051004	2011	2	8	10	V	8.1	3.7	2.32	185
250051004	2011	2	8	11	V	8.7	4.1	2.59	209
250051004	2011	2	8	12	V	8.5	2.2	4.58	252
250051004	2011	2	8	13	V	8.8	2.1	5.73	279
250051004	2011	2	8	14	V	9.3	2.9	7.45	284
250051004	2011	2	8	15	V	8.1	2.1	9.07	293
250051004	2011	2	8	16	V	6.9	1.6	10.53	291
250051004	2011	2	8	17	V	8.9	1.1	9.49	296
250051004	2011	2	8	18	V	5.8	1.1	10.37	294
250051004	2011	2	8	19	V	4.5	0.8	10.56	294
250051004	2011	2	8	20	V	4.4	1	10.99	285
250051004	2011	2	8	21	V	4.1	0.7	11.12	293
250051004	2011	2	8	22	V	3.6	0.8	10.24	289
250051004	2011	2	8	23	V	3.7	0.9	8.32	292
250051004	2011	2	8	24	V	4.8	1	8.52	297
250051004	2011	2	9	1	V	4.1	1.1	6.4	298
250051004	2011	2	9	2	V	5.3	1.2	5.89	301
250051004	2011	2	9	3	V	4.8	1.6	6.56	295
250051004	2011	2	9	4	V	7.3	1.4	5.62	291
250051004	2011	2	9	5	V	8.0	3.6	3.24	311
250051004	2011	2	9	6	V	6.2	3.4	2.47	269
250051004	2011	2	9	7	V	9.3	1.4	3.93	256
250051004	2011	2	9	8	V	8.3	1.7	3.8	245
250051004	2011	2	9	9	V	7.2	1.8	3.9	250
250051004	2011	2	9	10	V	8.2	1.9	4.8	247
250051004	2011	2	9	11	V	8.7	1.6	5.65	235
250051004	2011	2	9	12	V	8.6	1.9	5.44	226
250051004	2011	2	9	13	V	8.9	2.1	5.17	222
250051004	2011	2	9	14	V	9.3	1.6	5.58	220
250051004	2011	2	9	15	V	8.1	2	5.97	237
250051004	2011	2	9	16	V	6.9	2.8	5.9	229
250051004	2011	2	9	17	V	8.9	3.6	5.62	223
250051004	2011	2	9	18	V	5.8	4.8	5.22	220
250051004	2011	2	9	19	V	4.4	4.6	3.56	210
250051004	2011	2	9	20	V	4.3	3.4	3.34	207
250051004	2011	2	9	21	V	4.1	2.7	3.95	217
250051004	2011	2	9	22	V	3.6	-999	3	215
250051004	2011	2	9	23	V	3.7	2.7	2.76	228
250051004	2011	2	9	24	V	4.8	3	3	231
250051004	2011	2	10	1	V	4.1	3.6	3.13	245
250051004	2011	2	10	2	V	5.3	4.7	3.81	256
250051004	2011	2	10	3	V	4.8	5	3.54	267
250051004	2011	2	10	4	V	7.3	5.1	3.66	269
250051004	2011	2	10	5	V	8.0	4.6	2.78	260
250051004	2011	2	10	6	V	6.2	4.7	2.69	269

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	10	7	V	9.3	4.9	2.16	284
250051004	2011	2	10	8	V	8.3	-999	3.98	331
250051004	2011	2	10	9	V	19.4	-999	4.99	336
250051004	2011	2	10	10	V	20.7	12.4	5.51	316
250051004	2011	2	10	11	V	58.8	27.2	5.24	325
250051004	2011	2	10	12	V	60.5	19.6	5.43	330
250051004	2011	2	10	13	V	37.0	33.4	5.38	318
250051004	2011	2	10	14	V	25.6	18.6	5.39	315
250051004	2011	2	10	15	V	37.0	19.7	6.09	319
250051004	2011	2	10	16	V	7.5	10.9	5.53	308
250051004	2011	2	10	17	V	8.9	2.8	5.29	308
250051004	2011	2	10	18	V	5.8	2.3	4.09	298
250051004	2011	2	10	19	V	4.4	2.6	3.34	280
250051004	2011	2	10	20	V	4.3	1.4	3.05	289
250051004	2011	2	10	21	V	4.1	1.9	2.2	262
250051004	2011	2	10	22	V	3.6	1.7	2.16	262
250051004	2011	2	10	23	V	3.7	1.6	1.79	245
250051004	2011	2	10	24	V	4.8	1.6	2.2	261
250051004	2011	2	11	1	V	4.1	1.3	2.64	264
250051004	2011	2	11	2	V	5.3	2	2.67	261
250051004	2011	2	11	3	V	4.8	2.2	2.86	253
250051004	2011	2	11	4	V	7.3	2.2	1.69	240
250051004	2011	2	11	5	V	8.0	2.6	1.89	261
250051004	2011	2	11	6	V	6.2	1.9	2.35	263
250051004	2011	2	11	7	V	9.3	2.2	2.72	260
250051004	2011	2	11	8	V	8.3	4.2	2.95	260
250051004	2011	2	11	9	V	7.2	4.3	4.32	260
250051004	2011	2	11	10	V	8.2	3.9	4.75	254
250051004	2011	2	11	11	V	8.6	3.8	4.2	249
250051004	2011	2	11	12	V	8.5	3.4	4.24	254
250051004	2011	2	11	13	V	9.0	3.1	4.46	247
250051004	2011	2	11	14	V	9.4	3.2	5.45	251
250051004	2011	2	11	15	V	8.1	4.8	4.71	261
250051004	2011	2	11	16	V	6.9	6.1	3.46	255
250051004	2011	2	11	17	V	8.9	7.4	3.01	229
250051004	2011	2	11	18	V	5.8	9.8	3.78	209
250051004	2011	2	11	19	V	4.4	7.9	3.01	181
250051004	2011	2	11	20	V	4.3	5.9	1.71	181
250051004	2011	2	11	21	V	4.1	4.7	1.47	164
250051004	2011	2	11	22	V	3.6	3.7	1.47	199
250051004	2011	2	11	23	V	3.7	2.9	1.11	260
250051004	2011	2	11	24	V	4.8	2.5	1.35	273
250051004	2011	2	12	1	V	4.1	1.9	1.03	254
250051004	2011	2	12	2	V	5.3	1.5	0.89	254
250051004	2011	2	12	3	V	4.8	1.7	0.77	263
250051004	2011	2	12	4	V	7.3	1.7	0.92	296

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	12	5	V	8.0	1.8	1.21	284
250051004	2011	2	12	6	V	6.2	1.8	0.87	309
250051004	2011	2	12	7	V	9.3	1.3	1.4	274
250051004	2011	2	12	8	V	8.3	1.7	0.8	242
250051004	2011	2	12	9	V	7.2	3.3	0.84	213
250051004	2011	2	12	10	V	8.4	3.2	2.74	188
250051004	2011	2	12	11	V	8.6	2.7	6.04	212
250051004	2011	2	12	12	V	8.5	2.2	7.04	224
250051004	2011	2	12	13	V	8.8	2.5	7.74	229
250051004	2011	2	12	14	V	9.3	2.6	8.18	244
250051004	2011	2	12	15	V	8.0	3.6	7.3	263
250051004	2011	2	12	16	V	6.9	3.5	6.47	285
250051004	2011	2	12	17	V	8.9	4.2	5.62	276
250051004	2011	2	12	18	V	5.8	4.5	4.37	263
250051004	2011	2	12	19	V	4.4	4.2	3.81	268
250051004	2011	2	12	20	V	4.3	4	6.57	287
250051004	2011	2	12	21	V	4.1	1.6	7.04	295
250051004	2011	2	12	22	V	3.6	-999	7.69	298
250051004	2011	2	12	23	V	3.7	0.4	6.96	288
250051004	2011	2	12	24	V	4.8	0.6	7.37	289
250051004	2011	2	13	1	V	4.1	0.8	5.44	283
250051004	2011	2	13	2	V	5.3	0.8	4.75	275
250051004	2011	2	13	3	V	4.8	1.2	4.51	272
250051004	2011	2	13	4	V	7.3	1.1	4.61	271
250051004	2011	2	13	5	V	8.0	0.8	3.71	261
250051004	2011	2	13	6	V	6.2	1.5	3.86	255
250051004	2011	2	13	7	V	9.3	1.5	2.98	252
250051004	2011	2	13	8	V	8.3	1.6	3.27	251
250051004	2011	2	13	9	V	7.2	1.6	3.81	241
250051004	2011	2	13	10	V	8.1	1.6	4.26	233
250051004	2011	2	13	11	V	8.6	1.4	4.22	223
250051004	2011	2	13	12	V	8.5	1.4	5.72	220
250051004	2011	2	13	13	V	8.8	1.8	6.8	211
250051004	2011	2	13	14	V	9.3	1.6	8.18	216
250051004	2011	2	13	15	V	8.0	1.8	7.45	211
250051004	2011	2	13	16	V	6.9	1.6	8.25	209
250051004	2011	2	13	17	V	8.9	1.4	7.48	213
250051004	2011	2	13	18	V	5.8	1.7	6.13	200
250051004	2011	2	13	19	V	4.4	1.7	6.07	217
250051004	2011	2	13	20	V	4.3	1.5	6.09	220
250051004	2011	2	13	21	V	4.1	1.4	5.46	218
250051004	2011	2	13	22	V	3.6	1.5	4.82	218
250051004	2011	2	13	23	V	3.7	1.8	5.63	227
250051004	2011	2	13	24	V	4.8	1.7	6.09	227
250051004	2011	2	14	1	V	4.1	1.6	5.09	224
250051004	2011	2	14	2	V	5.3	2.6	6.67	234

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	14	3	V	4.8	2.6	5.16	244
250051004	2011	2	14	4	V	7.3	-999	3.05	224
250051004	2011	2	14	5	V	8.0	6.6	2.42	189
250051004	2011	2	14	6	V	6.2	5.7	3.54	172
250051004	2011	2	14	7	V	9.3	10.2	4.63	189
250051004	2011	2	14	8	V	8.3	4.8	4.6	204
250051004	2011	2	14	9	V	7.2	4.8	5.84	208
250051004	2011	2	14	10	V	8.2	5.8	7.4	229
250051004	2011	2	14	11	V	8.6	5	7.71	223
250051004	2011	2	14	12	V	8.5	6	6.72	217
250051004	2011	2	14	13	V	8.8	7.3	8.05	222
250051004	2011	2	14	14	V	9.3	2.1	7.35	234
250051004	2011	2	14	15	V	8.0	2.3	7.13	237
250051004	2011	2	14	16	V	6.9	2.5	7.45	245
250051004	2011	2	14	17	V	8.9	2.6	6.67	229
250051004	2011	2	14	18	V	5.8	2.3	4.65	243
250051004	2011	2	14	19	V	4.4	2.5	5.58	265
250051004	2011	2	14	20	V	4.3	2.1	7.11	282
250051004	2011	2	14	21	V	4.1	1.3	6.02	277
250051004	2011	2	14	22	V	3.6	1.3	7.88	286
250051004	2011	2	14	23	V	3.7	1.2	8.33	297
250051004	2011	2	14	24	V	4.8	10.8	9.76	308
250051004	2011	2	15	1	V	16.3	81.8	9	325
250051004	2011	2	15	2	V	13.0	57.1	7.38	327
250051004	2011	2	15	3	V	23.1	46.1	9.68	329
250051004	2011	2	15	4	V	9.4	56.7	9.17	332
250051004	2011	2	15	5	V	8.0	88.8	6.11	338
250051004	2011	2	15	6	V	7.6	92	6.45	326
250051004	2011	2	15	7	V	9.7	80.6	8.2	316
250051004	2011	2	15	8	V	18.9	55.9	8.18	320
250051004	2011	2	15	9	V	41.7	18.2	7.99	323
250051004	2011	2	15	10	V	51.4	26.4	8.08	326
250051004	2011	2	15	11	V	20.2	9.2	8.39	338
250051004	2011	2	15	12	V	34.9	6.3	9.47	334
250051004	2011	2	15	13	V	12.7	16.3	8.98	341
250051004	2011	2	15	14	V	39.5	49	8.03	333
250051004	2011	2	15	15	V	21.9	30.7	8.44	336
250051004	2011	2	15	16	V	28.6	6.7	6.81	333
250051004	2011	2	15	17	V	9.0	23.4	6.94	312
250051004	2011	2	15	18	V	5.8	17.3	5.04	316
250051004	2011	2	15	19	V	4.4	6.9	2.86	300
250051004	2011	2	15	20	V	4.3	4.1	3.61	302
250051004	2011	2	15	21	V	4.1	1.9	3.47	298
250051004	2011	2	15	22	V	3.6	-999	3.27	300
250051004	2011	2	15	23	V	3.7	3.9	3.03	293
250051004	2011	2	15	24	V	4.8	5.8	3	331

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	16	1	V	4.1	1.5	2.01	351
250051004	2011	2	16	2	V	5.3	1.2	1.26	280
250051004	2011	2	16	3	V	4.8	3.3	1.28	201
250051004	2011	2	16	4	V	7.3	2	2.45	228
250051004	2011	2	16	5	V	8.0	1.3	2.01	217
250051004	2011	2	16	6	V	6.2	1.6	1.79	210
250051004	2011	2	16	7	V	9.3	2.5	2.04	259
250051004	2011	2	16	8	V	8.3	2.4	2.49	270
250051004	2011	2	16	9	V	7.2	2.4	2.66	263
250051004	2011	2	16	10	V	9.5	2.2	1.82	207
250051004	2011	2	16	11	V	9.1	2	2.79	161
250051004	2011	2	16	12	V	8.6	3.6	3.83	175
250051004	2011	2	16	13	V	8.8	3.6	5.43	197
250051004	2011	2	16	14	V	9.3	3.4	6.57	214
250051004	2011	2	16	15	V	8.0	0.7	6.79	203
250051004	2011	2	16	16	V	6.8	0.9	6.87	206
250051004	2011	2	16	17	V	8.9	0.5	6.63	216
250051004	2011	2	16	18	V	5.8	1	4.87	222
250051004	2011	2	16	19	V	4.4	1.3	5.14	227
250051004	2011	2	16	20	V	4.3	1.1	3.73	233
250051004	2011	2	16	21	V	4.1	1	4.03	236
250051004	2011	2	16	22	V	3.6	1	2.33	222
250051004	2011	2	16	23	V	3.7	1.2	1.94	205
250051004	2011	2	16	24	V	4.8	1.2	2.76	220
250051004	2011	2	17	1	V	4.1	1.5	2.64	248
250051004	2011	2	17	2	V	5.3	2.1	2.67	237
250051004	2011	2	17	3	V	4.8	2.2	2.86	214
250051004	2011	2	17	4	V	7.3	2.3	1.98	208
250051004	2011	2	17	5	V	8.0	3.4	2.1	179
250051004	2011	2	17	6	V	6.2	4.8	1.55	188
250051004	2011	2	17	7	V	9.3	6.1	1.62	192
250051004	2011	2	17	8	V	8.3	7.2	2.16	188
250051004	2011	2	17	9	V	7.2	4.1	2.15	200
250051004	2011	2	17	10	V	8.1	3.2	1.82	236
250051004	2011	2	17	11	V	8.6	3.5	2.74	222
250051004	2011	2	17	12	V	8.5	3.5	2.59	212
250051004	2011	2	17	13	V	8.8	3.9	3.86	162
250051004	2011	2	17	14	V	9.3	9.7	3.32	148
250051004	2011	2	17	15	V	8.0	4.1	3.68	150
250051004	2011	2	17	16	V	7.1	2.9	2.03	139
250051004	2011	2	17	17	V	8.9	2.8	1.96	151
250051004	2011	2	17	18	V	5.8	3.7	1.91	161
250051004	2011	2	17	19	V	4.4	4.2	1.99	154
250051004	2011	2	17	20	V	4.3	2.5	2.28	175
250051004	2011	2	17	21	V	4.1	3	1.58	157
250051004	2011	2	17	22	V	3.6	3	1.28	166

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	17	23	V	3.7	3.2	1.38	158
250051004	2011	2	17	24	V	4.8	2.2	1.81	162
250051004	2011	2	18	1	V	4.1	2	1.33	174
250051004	2011	2	18	2	V	5.3	2.2	1.31	153
250051004	2011	2	18	3	V	4.8	11.2	2.16	164
250051004	2011	2	18	4	V	7.3	1.1	2.54	163
250051004	2011	2	18	5	V	8.0	4.3	1.77	162
250051004	2011	2	18	6	V	6.2	2.4	1.48	172
250051004	2011	2	18	7	V	9.3	4.2	1.08	191
250051004	2011	2	18	8	V	8.3	8	1.69	208
250051004	2011	2	18	9	V	7.2	6.1	4.22	232
250051004	2011	2	18	10	V	8.1	3.6	5.51	234
250051004	2011	2	18	11	V	8.6	3.7	5.55	236
250051004	2011	2	18	12	V	8.4	2.8	6.36	248
250051004	2011	2	18	13	V	8.8	3.7	5.89	248
250051004	2011	2	18	14	V	9.3	3.9	5.26	234
250051004	2011	2	18	15	V	8.0	3.3	5.68	257
250051004	2011	2	18	16	V	6.8	2.4	4.36	209
250051004	2011	2	18	17	V	8.9	2.1	3.71	183
250051004	2011	2	18	18	V	5.8	2	2.04	142
250051004	2011	2	18	19	V	4.4	1.4	1.54	158
250051004	2011	2	18	20	V	4.3	1.8	4.36	238
250051004	2011	2	18	21	V	4.1	2.3	5.55	266
250051004	2011	2	18	22	V	3.6	-999	5.89	309
250051004	2011	2	18	23	V	3.7	12.2	2.54	276
250051004	2011	2	18	24	V	4.8	2	2.4	269
250051004	2011	2	19	1	V	4.1	1.5	4.25	280
250051004	2011	2	19	2	V	5.3	1.1	6.4	290
250051004	2011	2	19	3	V	4.8	1.4	6.65	279
250051004	2011	2	19	4	V	7.3	1.3	4.9	289
250051004	2011	2	19	5	V	8.2	1.1	8.4	313
250051004	2011	2	19	6	V	6.2	1	6.67	295
250051004	2011	2	19	7	V	9.3	1.1	5.14	288
250051004	2011	2	19	8	V	8.3	1.5	6.43	310
250051004	2011	2	19	9	V	7.2	1.1	8.88	305
250051004	2011	2	19	10	V	8.2	1.1	12.02	304
250051004	2011	2	19	11	V	8.6	0.9	12.45	302
250051004	2011	2	19	12	V	8.5	0.8	10.65	302
250051004	2011	2	19	13	V	9.1	0.6	9.37	307
250051004	2011	2	19	14	V	9.3	0.8	10.09	304
250051004	2011	2	19	15	V	8.0	0.8	10.61	298
250051004	2011	2	19	16	V	6.9	0.5	8.86	299
250051004	2011	2	19	17	V	9.0	0.5	9.29	305
250051004	2011	2	19	18	V	5.8	0.6	8.2	301
250051004	2011	2	19	19	V	4.4	0.5	8.2	304
250051004	2011	2	19	20	V	4.4	23.4	8.88	307

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	19	21	V	10.0	59.5	9.66	318
250051004	2011	2	19	22	V	44.6	78	10.34	326
250051004	2011	2	19	23	V	22.5	93.4	8.88	325
250051004	2011	2	19	24	V	24.3	72.5	8.54	324
250051004	2011	2	20	1	V	16.6	88.6	7.94	323
250051004	2011	2	20	2	V	6.1	83.1	7.13	320
250051004	2011	2	20	3	V	9.1	86.1	7.43	324
250051004	2011	2	20	4	V	11.4	88.2	7.79	323
250051004	2011	2	20	5	V	9.2	74.1	7.21	319
250051004	2011	2	20	6	V	6.3	35.1	7.06	315
250051004	2011	2	20	7	V	11.8	48.6	7.99	320
250051004	2011	2	20	8	V	20.5	57.9	7.08	320
250051004	2011	2	20	9	V	53.1	67.4	8.2	323
250051004	2011	2	20	10	V	55.1	53.2	7.04	323
250051004	2011	2	20	11	V	62.7	46.2	6.65	326
250051004	2011	2	20	12	V	39.4	32.6	6.82	320
250051004	2011	2	20	13	V	22.6	14.5	7.01	316
250051004	2011	2	20	14	V	12.7	13.8	7.08	312
250051004	2011	2	20	15	V	33.9	11.8	5.5	322
250051004	2011	2	20	16	V	15.8	13.8	4.8	317
250051004	2011	2	20	17	V	12.2	13.2	4.95	331
250051004	2011	2	20	18	V	5.8	3.3	2.84	311
250051004	2011	2	20	19	V	4.4	1.5	2.81	284
250051004	2011	2	20	20	V	4.3	1.5	3.98	301
250051004	2011	2	20	21	V	4.1	1.7	4.22	305
250051004	2011	2	20	22	V	3.6	1.4	3.71	308
250051004	2011	2	20	23	V	3.7	2.3	2.78	313
250051004	2011	2	20	24	V	4.8	2.7	2.27	296
250051004	2011	2	21	1	V	4.1	2.4	2.57	303
250051004	2011	2	21	2	V	5.3	1.7	2.06	234
250051004	2011	2	21	3	V	4.8	1.5	1.96	240
250051004	2011	2	21	4	V	7.3	1.6	1.67	240
250051004	2011	2	21	5	V	8.0	1	2.13	208
250051004	2011	2	21	6	V	6.2	0.8	1.84	230
250051004	2011	2	21	7	V	9.3	0.9	1.18	257
250051004	2011	2	21	8	V	8.3	1.3	1.84	303
250051004	2011	2	21	9	V	7.6	2.7	2.03	340
250051004	2011	2	21	10	V	8.3	6.1	2.35	5
250051004	2011	2	21	11	V	8.6	2.1	4.17	11
250051004	2011	2	21	12	V	8.5	1.6	6.47	5
250051004	2011	2	21	13	V	8.8	1.5	6.52	360
250051004	2011	2	21	14	V	9.3	1.4	5.33	356
250051004	2011	2	21	15	V	8.1	1	6.79	347
250051004	2011	2	21	16	V	9.1	0.8	6.7	340
250051004	2011	2	21	17	V	11.9	0.7	6.46	335
250051004	2011	2	21	18	V	5.8	0.8	6.16	344

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	21	19	V	4.4	0.9	7.3	345
250051004	2011	2	21	20	V	4.3	1.8	5.27	339
250051004	2011	2	21	21	V	4.1	6.4	5.34	334
250051004	2011	2	21	22	V	3.6	-999	6.09	343
250051004	2011	2	21	23	V	3.7	0.3	6.74	343
250051004	2011	2	21	24	V	4.8	0.6	6.19	350
250051004	2011	2	22	1	V	4.1	0.5	6.58	351
250051004	2011	2	22	2	V	5.3	0.3	5.94	353
250051004	2011	2	22	3	V	4.8	0.8	5.38	349
250051004	2011	2	22	4	V	7.3	0.9	5.9	351
250051004	2011	2	22	5	V	8.0	1	4.51	339
250051004	2011	2	22	6	V	6.3	3	4.46	331
250051004	2011	2	22	7	V	9.5	5.4	4.48	327
250051004	2011	2	22	8	V	15.1	5.9	4.53	332
250051004	2011	2	22	9	V	7.4	2.9	5.16	347
250051004	2011	2	22	10	V	8.7	4.3	4.7	349
250051004	2011	2	22	11	V	23.1	6.5	4.36	341
250051004	2011	2	22	12	V	9.2	8.4	4.24	354
250051004	2011	2	22	13	V	9.5	10.1	4.58	353
250051004	2011	2	22	14	V	14.1	9.8	4.27	347
250051004	2011	2	22	15	V	18.1	2.6	4.65	342
250051004	2011	2	22	16	V	27.2	2.3	4.49	337
250051004	2011	2	22	17	V	10.1	4.2	4.41	323
250051004	2011	2	22	18	V	5.8	4.7	3.9	308
250051004	2011	2	22	19	V	4.4	4.3	4.02	306
250051004	2011	2	22	20	V	4.3	10.1	4.46	319
250051004	2011	2	22	21	V	4.1	4.2	4.51	337
250051004	2011	2	22	22	V	3.6	0.6	4.95	343
250051004	2011	2	22	23	V	3.7	0.6	4.77	340
250051004	2011	2	22	24	V	4.8	0.6	4.44	342
250051004	2011	2	23	1	V	4.1	0.9	3.85	334
250051004	2011	2	23	2	V	5.3	1	3.56	329
250051004	2011	2	23	3	V	4.8	1	3.06	319
250051004	2011	2	23	4	V	7.3	1.3	2.95	322
250051004	2011	2	23	5	V	8.0	2.1	3.42	319
250051004	2011	2	23	6	V	6.2	7.6	2.55	304
250051004	2011	2	23	7	V	9.3	13.1	2.16	303
250051004	2011	2	23	8	V	8.3	16.8	2.95	312
250051004	2011	2	23	9	V	16.3	15.8	4.19	336
250051004	2011	2	23	10	V	8.2	3	6.81	351
250051004	2011	2	23	11	V	9.4	1.6	6.29	346
250051004	2011	2	23	12	V	51.5	1.5	4.76	334
250051004	2011	2	23	13	V	10.5	7.5	4.12	350
250051004	2011	2	23	14	V	19.3	4.2	3.54	345
250051004	2011	2	23	15	V	24.0	4.3	2.9	343
250051004	2011	2	23	16	V	8.4	0.7	2.88	304

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	23	17	V	8.9	1.3	2.45	308
250051004	2011	2	23	18	V	5.8	0.9	2.96	294
250051004	2011	2	23	19	V	4.4	1.1	2.69	288
250051004	2011	2	23	20	V	4.3	1.2	2.25	305
250051004	2011	2	23	21	V	4.1	3.7	2.16	315
250051004	2011	2	23	22	V	3.6	4	2.59	321
250051004	2011	2	23	23	V	3.7	1.7	3.22	342
250051004	2011	2	23	24	V	4.8	1.7	1.6	263
250051004	2011	2	24	1	V	4.1	1.8	1.47	273
250051004	2011	2	24	2	V	5.3	16.7	1.45	274
250051004	2011	2	24	3	V	4.8	3	1.18	276
250051004	2011	2	24	4	V	7.3	2.2	1.26	286
250051004	2011	2	24	5	V	8.0	2.5	1.28	289
250051004	2011	2	24	6	V	6.2	3.4	1.65	275
250051004	2011	2	24	7	V	9.3	4.9	1.65	273
250051004	2011	2	24	8	V	8.3	6.3	1.35	273
250051004	2011	2	24	9	V	20.3	8.1	0.86	239
250051004	2011	2	24	10	V	11.6	7.6	1.47	165
250051004	2011	2	24	11	V	9.0	5.8	3.24	151
250051004	2011	2	24	12	V	8.5	4.8	4.82	147
250051004	2011	2	24	13	V	8.9	2.9	6.11	150
250051004	2011	2	24	14	V	9.3	6.1	5.72	153
250051004	2011	2	24	15	V	8.1	3.5	4.92	158
250051004	2011	2	24	16	V	6.9	1.2	5.31	188
250051004	2011	2	24	17	V	8.9	1.1	5.28	189
250051004	2011	2	24	18	V	5.8	1	5.31	201
250051004	2011	2	24	19	V	4.4	0.9	4.41	205
250051004	2011	2	24	20	V	4.3	0.8	3.97	198
250051004	2011	2	24	21	V	4.1	0.9	4.09	186
250051004	2011	2	24	22	V	3.6	-999	3.83	195
250051004	2011	2	24	23	V	3.7	0.3	4.08	185
250051004	2011	2	24	24	V	4.8	0.5	4.05	186
250051004	2011	2	25	1	V	4.1	0.4	2.01	199
250051004	2011	2	25	2	V	5.3	1.8	1.76	174
250051004	2011	2	25	3	V	4.8	4.7	1.69	150
250051004	2011	2	25	4	V	7.3	0.7	0.79	101
250051004	2011	2	25	5	V	8.0	0.6	1.45	130
250051004	2011	2	25	6	V	6.2	0.5	1.13	78
250051004	2011	2	25	7	V	9.3	0.5	1.57	149
250051004	2011	2	25	8	V	8.3	0.6	1.82	81
250051004	2011	2	25	9	V	7.2	0.7	2.37	59
250051004	2011	2	25	10	V	8.1	0.7	1.91	54
250051004	2011	2	25	11	V	8.6	1.1	2.32	13
250051004	2011	2	25	12	V	8.5	1.3	11.14	198
250051004	2011	2	25	13	V	8.8	1.6	14	197
250051004	2011	2	25	14	V	9.3	1.8	11.28	217

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	25	15	V	8.0	2.1	9.1	219
250051004	2011	2	25	16	V	7.1	3	7.22	343
250051004	2011	2	25	17	V	8.9	1.3	3.86	348
250051004	2011	2	25	18	V	5.8	1.2	6.46	351
250051004	2011	2	25	19	V	4.5	1.3	5.77	336
250051004	2011	2	25	20	V	4.4	1.8	5.53	335
250051004	2011	2	25	21	V	12.6	10.8	7.77	321
250051004	2011	2	25	22	V	5.9	17.9	8.15	317
250051004	2011	2	25	23	V	6.6	11.9	9.83	316
250051004	2011	2	25	24	V	8.3	12.2	8.83	319
250051004	2011	2	26	1	V	4.1	4.8	6.31	311
250051004	2011	2	26	2	V	5.3	1.4	5.7	307
250051004	2011	2	26	3	V	4.8	1.4	4.73	307
250051004	2011	2	26	4	V	7.3	1.6	4.44	299
250051004	2011	2	26	5	V	8.0	1.2	3.25	289
250051004	2011	2	26	6	V	6.2	1.1	2.64	259
250051004	2011	2	26	7	V	9.3	1	2.79	261
250051004	2011	2	26	8	V	8.3	0.8	3.22	263
250051004	2011	2	26	9	V	7.2	1.2	4.24	270
250051004	2011	2	26	10	V	8.2	1.3	4.83	290
250051004	2011	2	26	11	V	8.6	1	4.46	265
250051004	2011	2	26	12	V	8.5	0.9	5.62	262
250051004	2011	2	26	13	V	8.8	0.8	5.41	264
250051004	2011	2	26	14	V	9.3	0.7	5.41	260
250051004	2011	2	26	15	V	8.0	0.8	4.37	264
250051004	2011	2	26	16	V	6.8	1	4.46	276
250051004	2011	2	26	17	V	8.9	0.9	4.2	265
250051004	2011	2	26	18	V	5.8	0.9	2.33	243
250051004	2011	2	26	19	V	4.4	1.1	1.76	197
250051004	2011	2	26	20	V	4.3	1.5	3.44	202
250051004	2011	2	26	21	V	4.1	1.5	2.5	218
250051004	2011	2	26	22	V	3.6	1.2	2.56	202
250051004	2011	2	26	23	V	3.7	1.3	2.25	176
250051004	2011	2	26	24	V	4.8	1.3	2.5	266
250051004	2011	2	27	1	V	4.1	1.5	1.16	261
250051004	2011	2	27	2	V	5.3	1.8	1.84	28
250051004	2011	2	27	3	V	4.8	1.1	2.44	23
250051004	2011	2	27	4	V	7.3	0.7	3.58	51
250051004	2011	2	27	5	V	8.0	0.6	3.49	60
250051004	2011	2	27	6	V	6.2	0.6	3.46	69
250051004	2011	2	27	7	V	9.3	0.5	2.76	72
250051004	2011	2	27	8	V	8.3	0.5	1.93	60
250051004	2011	2	27	9	V	7.2	0.7	2.69	9
250051004	2011	2	27	10	V	8.2	0.7	3.18	360
250051004	2011	2	27	11	V	8.7	0.8	3.58	3
250051004	2011	2	27	12	V	8.5	0.8	3.29	360

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	2	27	13	V	8.8	0.8	4.39	355
250051004	2011	2	27	14	V	9.3	0.9	6.23	5
250051004	2011	2	27	15	V	8.0	1.1	6.33	5
250051004	2011	2	27	16	V	6.9	0.7	6.21	18
250051004	2011	2	27	17	V	8.9	0.5	4.82	25
250051004	2011	2	27	18	V	5.8	0.4	3.88	22
250051004	2011	2	27	19	V	4.4	0.2	3.8	23
250051004	2011	2	27	20	V	4.3	0.2	2.79	14
250051004	2011	2	27	21	V	4.1	0.5	2.9	22
250051004	2011	2	27	22	V	3.6	-999	2.32	17
250051004	2011	2	27	23	V	3.7	1.1	2.67	42
250051004	2011	2	27	24	V	4.8	0.3	3.41	54
250051004	2011	2	28	1	V	4.1	0.3	2.54	27
250051004	2011	2	28	2	V	5.3	0.3	0.84	350
250051004	2011	2	28	3	V	4.8	0.5	1.64	15
250051004	2011	2	28	4	V	7.3	-999	0.97	67
250051004	2011	2	28	5	V	8.0	0.2	1.28	111
250051004	2011	2	28	6	V	6.2	0.2	1.37	59
250051004	2011	2	28	7	V	9.3	0.1	1.76	33
250051004	2011	2	28	8	V	8.3	0.3	2.42	77
250051004	2011	2	28	9	V	7.2	0.4	5.22	136
250051004	2011	2	28	10	V	8.2	0.5	7.88	140
250051004	2011	2	28	11	V	8.6	0.4	5.82	154
250051004	2011	2	28	12	V	8.5	0.7	5.12	167
250051004	2011	2	28	13	V	8.8	1.5	7.62	187
250051004	2011	2	28	14	V	9.3	1.8	7.89	216
250051004	2011	2	28	15	V	8.0	1.7	6.74	224
250051004	2011	2	28	16	V	6.9	1.5	5.53	224
250051004	2011	2	28	17	V	8.9	1.5	4.31	223
250051004	2011	2	28	18	V	5.8	1.1	2.66	251
250051004	2011	2	28	19	V	4.4	1.5	2.39	285
250051004	2011	2	28	20	V	4.3	1.2	5.77	300
250051004	2011	2	28	21	V	4.1	2	7.18	308
250051004	2011	2	28	22	V	3.6	2.5	6.04	306
250051004	2011	2	28	23	V	3.7	2.4	6.38	301
250051004	2011	2	28	24	V	4.8	2.3	6.5	307
250051004	2011	3	1	1	V	7.6	20	6.94	320
250051004	2011	3	1	2	V	22.7	60.6	8.16	327
250051004	2011	3	1	3	V	8.2	58.6	7.57	324
250051004	2011	3	1	4	V	7.8	27.8	7.38	323
250051004	2011	3	1	5	V	4.8	0.8	4.68	333
250051004	2011	3	1	6	V	5.0	1.6	4.22	314
250051004	2011	3	1	7	V	6.9	3.5	5.38	320
250051004	2011	3	1	8	V	43.4	28.7	6.21	324
250051004	2011	3	1	9	V	44.1	37.4	6.6	323
250051004	2011	3	1	10	V	63.7	34.1	7.55	327

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	1	11	V	55.6	38.1	7.13	323
250051004	2011	3	1	12	V	60.1	25.8	6.94	328
250051004	2011	3	1	13	V	61.2	10.8	6.13	331
250051004	2011	3	1	14	V	40.8	8.6	6.04	336
250051004	2011	3	1	15	V	42.1	6.4	5.21	322
250051004	2011	3	1	16	V	6.0	4.9	4.44	308
250051004	2011	3	1	17	V	3.8	3.9	4.27	309
250051004	2011	3	1	18	V	2.5	2.7	3.03	299
250051004	2011	3	1	19	V	2.3	1.8	1.79	275
250051004	2011	3	1	20	V	2.0	1.3	1.45	254
250051004	2011	3	1	21	V	2.3	1.5	1.86	248
250051004	2011	3	1	22	V	2.1	1.1	2.11	265
250051004	2011	3	1	23	V	2.6	1.4	2.73	255
250051004	2011	3	1	24	V	2.8	1.4	1.48	216
250051004	2011	3	2	1	V	5.5	0.8	1.55	207
250051004	2011	3	2	2	V	8.4	0.6	3.66	183
250051004	2011	3	2	3	V	4.7	0.6	4.22	180
250051004	2011	3	2	4	V	5.4	2.5	4.15	208
250051004	2011	3	2	5	V	4.8	2.8	5.19	202
250051004	2011	3	2	6	V	5.0	5.8	4.2	190
250051004	2011	3	2	7	V	6.8	8.4	6.16	191
250051004	2011	3	2	8	V	6.1	5.7	7.76	201
250051004	2011	3	2	9	V	5.9	4.4	8.32	211
250051004	2011	3	2	10	V	5.5	4.3	9.85	212
250051004	2011	3	2	11	V	9.4	3.6	10.34	221
250051004	2011	3	2	12	V	7.9	2.7	10.14	220
250051004	2011	3	2	13	V	11.9	2.1	8.98	227
250051004	2011	3	2	14	V	8.4	1.2	7.93	237
250051004	2011	3	2	15	V	3.4	1.9	7.65	242
250051004	2011	3	2	16	V	2.4	1.3	8.17	253
250051004	2011	3	2	17	V	3.7	3.4	7.74	305
250051004	2011	3	2	18	V	2.5	2.1	7.37	302
250051004	2011	3	2	19	V	2.3	1.6	8.06	307
250051004	2011	3	2	20	V	2.1	1.6	9.05	307
250051004	2011	3	2	21	V	2.3	0.5	9.46	301
250051004	2011	3	2	22	V	2.1	-999	7.83	306
250051004	2011	3	2	23	V	2.6	2.7	7.11	306
250051004	2011	3	2	24	V	4.1	57.3	7.21	321
250051004	2011	3	3	1	V	6.0	19.1	7.47	330
250051004	2011	3	3	2	V	8.6	30.4	7.14	332
250051004	2011	3	3	3	V	4.7	44.4	6.64	336
250051004	2011	3	3	4	V	6.8	25.4	6.84	329
250051004	2011	3	3	5	V	5.6	13.2	6.23	328
250051004	2011	3	3	6	V	5.3	19.6	5.62	329
250051004	2011	3	3	7	V	7.0	10.6	5.44	324
250051004	2011	3	3	8	V	59.7	-999	5.95	329

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	3	9	V	60.2	-999	6.53	331
250051004	2011	3	3	10	V	37.2	23.6	6.65	336
250051004	2011	3	3	11	V	33.1	6.5	6.82	338
250051004	2011	3	3	12	V	13.6	4.1	6.47	345
250051004	2011	3	3	13	V	12.1	1.7	5.99	359
250051004	2011	3	3	14	V	8.7	2.9	4.92	360
250051004	2011	3	3	15	V	6.6	13.3	3.32	357
250051004	2011	3	3	16	V	3.8	2.3	3.97	354
250051004	2011	3	3	17	V	3.9	6.7	2.89	354
250051004	2011	3	3	18	V	2.5	5.1	1.48	294
250051004	2011	3	3	19	V	2.3	0.2	2.05	285
250051004	2011	3	3	20	V	2.0	0.5	1.55	271
250051004	2011	3	3	21	V	2.3	1.8	1.21	267
250051004	2011	3	3	22	V	2.1	1.4	2.18	285
250051004	2011	3	3	23	V	2.6	1.3	2.79	340
250051004	2011	3	3	24	V	2.8	2.2	2.44	11
250051004	2011	3	4	1	V	5.5	2	1.84	39
250051004	2011	3	4	2	V	8.4	2.1	1.6	352
250051004	2011	3	4	3	V	4.7	1.2	1.18	335
250051004	2011	3	4	4	V	5.4	1.1	1.57	358
250051004	2011	3	4	5	V	4.8	1.4	1.91	2
250051004	2011	3	4	6	V	5.0	4.6	1.89	350
250051004	2011	3	4	7	V	6.8	4.7	1.64	12
250051004	2011	3	4	8	V	6.1	7.5	1.2	40
250051004	2011	3	4	9	V	7.2	4.9	1.89	86
250051004	2011	3	4	10	V	7.3	2.5	2.11	116
250051004	2011	3	4	11	V	9.9	2.9	3.46	149
250051004	2011	3	4	12	V	8.1	1.8	4.95	167
250051004	2011	3	4	13	V	12.0	0.4	6.21	152
250051004	2011	3	4	14	V	8.5	0	6.24	148
250051004	2011	3	4	15	V	3.5	0.3	6.51	144
250051004	2011	3	4	16	V	2.4	0	6.38	173
250051004	2011	3	4	17	V	3.6	0	6.67	170
250051004	2011	3	4	18	V	2.5	0	5.36	179
250051004	2011	3	4	19	V	2.3	0	4.29	179
250051004	2011	3	4	20	V	2.0	0	4.17	169
250051004	2011	3	4	21	V	2.3	0	4.19	169
250051004	2011	3	4	22	V	2.1	0	4.12	169
250051004	2011	3	4	23	V	2.6	0	4.37	166
250051004	2011	3	4	24	V	2.8	0	4.44	165
250051004	2011	3	5	1	V	5.5	0	4.42	161
250051004	2011	3	5	2	V	8.4	0	4.44	162
250051004	2011	3	5	3	V	4.7	0	4.73	164
250051004	2011	3	5	4	V	5.4	0	4.14	162
250051004	2011	3	5	5	V	4.8	0	4.24	168
250051004	2011	3	5	6	V	5.0	0	5.09	164

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	5	7	V	6.8	0	5.27	168
250051004	2011	3	5	8	V	6.1	0	4.39	173
250051004	2011	3	5	9	V	5.8	0	4.82	171
250051004	2011	3	5	10	V	5.4	0	5.17	171
250051004	2011	3	5	11	V	9.4	0	6.74	167
250051004	2011	3	5	12	V	7.9	0	7.54	164
250051004	2011	3	5	13	V	11.9	0	6.86	160
250051004	2011	3	5	14	V	8.4	0	6.28	166
250051004	2011	3	5	15	V	3.3	0	8.98	185
250051004	2011	3	5	16	V	2.3	0	9.61	195
250051004	2011	3	5	17	V	3.6	0	9.03	195
250051004	2011	3	5	18	V	2.5	0	7.74	186
250051004	2011	3	5	19	V	2.3	0	8.08	187
250051004	2011	3	5	20	V	2.0	0	5.5	176
250051004	2011	3	5	21	V	2.3	0	6.87	171
250051004	2011	3	5	22	V	2.1	-999	6.35	174
250051004	2011	3	5	23	V	2.6	0	5.96	169
250051004	2011	3	5	24	V	2.8	0	4.8	159
250051004	2011	3	6	1	V	5.5	0	4.76	170
250051004	2011	3	6	2	V	8.4	0	5.36	161
250051004	2011	3	6	3	V	4.7	0	7.86	183
250051004	2011	3	6	4	V	5.4	0	6.64	186
250051004	2011	3	6	5	V	4.8	0	6.72	188
250051004	2011	3	6	6	V	5.0	0	7.96	192
250051004	2011	3	6	7	V	6.8	0	8.22	189
250051004	2011	3	6	8	V	6.1	0	7.67	180
250051004	2011	3	6	9	V	5.8	0	6.7	178
250051004	2011	3	6	10	V	5.4	0	8.42	185
250051004	2011	3	6	11	V	9.3	0	8.22	191
250051004	2011	3	6	12	V	7.8	0.1	10.63	196
250051004	2011	3	6	13	V	11.8	0.1	11.26	196
250051004	2011	3	6	14	V	8.3	0.1	8.78	186
250051004	2011	3	6	15	V	3.3	0.1	7.45	184
250051004	2011	3	6	16	V	2.3	0.1	6.96	181
250051004	2011	3	6	17	V	3.6	0	4.44	172
250051004	2011	3	6	18	V	2.5	0.2	4.56	167
250051004	2011	3	6	19	V	2.3	0.1	5.19	169
250051004	2011	3	6	20	V	2.0	0.4	5.7	164
250051004	2011	3	6	21	V	2.3	0.1	6.67	172
250051004	2011	3	6	22	V	2.1	0.2	6.23	171
250051004	2011	3	6	23	V	2.6	0.6	4.54	157
250051004	2011	3	6	24	V	2.8	0.5	8.62	166
250051004	2011	3	7	1	V	5.5	0.4	8.9	167
250051004	2011	3	7	2	V	8.4	0.6	9.64	164
250051004	2011	3	7	3	V	4.7	0.2	11.36	164
250051004	2011	3	7	4	V	5.4	0.4	9.78	166

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	7	5	V	4.8	0.8	10.22	174
250051004	2011	3	7	6	V	5.0	0.5	10.27	177
250051004	2011	3	7	7	V	6.8	0.8	10.02	174
250051004	2011	3	7	8	V	6.1	1	9.34	188
250051004	2011	3	7	9	V	5.8	1.2	8.86	185
250051004	2011	3	7	10	V	5.5	1.2	7.67	191
250051004	2011	3	7	11	V	9.3	2.2	6.65	238
250051004	2011	3	7	12	V	7.8	0.7	8.61	265
250051004	2011	3	7	13	V	11.9	0.7	8.28	270
250051004	2011	3	7	14	V	8.4	0.6	9.05	288
250051004	2011	3	7	15	V	3.3	0.9	11.17	300
250051004	2011	3	7	16	V	2.4	1.4	10.14	304
250051004	2011	3	7	17	V	5.5	10.6	8.56	314
250051004	2011	3	7	18	V	11.9	38.6	7.84	326
250051004	2011	3	7	19	V	7.8	43.5	7.35	329
250051004	2011	3	7	20	V	6.0	51.1	7.23	325
250051004	2011	3	7	21	V	2.6	44.3	6.65	330
250051004	2011	3	7	22	V	2.1	26.4	4	334
250051004	2011	3	7	23	V	2.6	20.7	3.95	328
250051004	2011	3	7	24	V	2.8	26.4	4.12	326
250051004	2011	3	8	1	V	5.5	19.3	4.25	328
250051004	2011	3	8	2	V	8.4	17.7	3.39	329
250051004	2011	3	8	3	V	4.7	11.3	3.12	325
250051004	2011	3	8	4	V	5.4	0.7	2.95	338
250051004	2011	3	8	5	V	4.8	0.5	3.05	343
250051004	2011	3	8	6	V	5.0	0.7	3.1	353
250051004	2011	3	8	7	V	6.8	1.9	3.08	335
250051004	2011	3	8	8	V	12.6	1.2	3.34	341
250051004	2011	3	8	9	V	12.2	2.1	3.54	345
250051004	2011	3	8	10	V	6.8	2.4	3.71	353
250051004	2011	3	8	11	V	9.5	0.8	3.97	9
250051004	2011	3	8	12	V	8.2	0.2	3.32	12
250051004	2011	3	8	13	V	12.3	0.2	3.2	31
250051004	2011	3	8	14	V	8.5	0.6	4.32	22
250051004	2011	3	8	15	V	3.6	1	3.29	15
250051004	2011	3	8	16	V	2.5	0.6	3.27	9
250051004	2011	3	8	17	V	3.6	0.1	2.98	32
250051004	2011	3	8	18	V	2.5	0	3.25	141
250051004	2011	3	8	19	V	2.3	0	2.55	137
250051004	2011	3	8	20	V	2.0	0.5	3.41	86
250051004	2011	3	8	21	V	2.3	0.1	3.44	64
250051004	2011	3	8	22	V	2.1	-999	1.69	36
250051004	2011	3	8	23	V	2.6	0	2.32	6
250051004	2011	3	8	24	V	2.8	0.4	2.5	348
250051004	2011	3	9	1	V	5.5	0.4	2.59	357
250051004	2011	3	9	2	V	8.4	0.9	2.35	357

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	9	3	V	4.7	1.4	3.03	9
250051004	2011	3	9	4	V	5.4	2.2	3.35	9
250051004	2011	3	9	5	V	4.8	2.7	3	4
250051004	2011	3	9	6	V	5.0	3.2	3.17	9
250051004	2011	3	9	7	V	6.8	3.7	3.49	15
250051004	2011	3	9	8	V	6.1	3	4.15	29
250051004	2011	3	9	9	V	5.9	0.2	5.24	50
250051004	2011	3	9	10	V	5.5	0	6.57	58
250051004	2011	3	9	11	V	9.4	0	6.29	64
250051004	2011	3	9	12	V	7.8	0	6.53	66
250051004	2011	3	9	13	V	11.9	0	6.75	67
250051004	2011	3	9	14	V	8.4	0	6.07	68
250051004	2011	3	9	15	V	3.3	0	6.67	66
250051004	2011	3	9	16	V	2.4	0	6.13	66
250051004	2011	3	9	17	V	3.6	0	5.56	70
250051004	2011	3	9	18	V	2.5	0	5.24	80
250051004	2011	3	9	19	V	2.3	0	5.44	80
250051004	2011	3	9	20	V	2.0	0	5.28	84
250051004	2011	3	9	21	V	2.3	0	4.85	85
250051004	2011	3	9	22	V	2.1	0	4.58	84
250051004	2011	3	9	23	V	2.6	0	3.3	82
250051004	2011	3	9	24	V	2.8	0	2.83	86
250051004	2011	3	10	1	V	5.5	0	3.06	78
250051004	2011	3	10	2	V	8.4	0	5.29	95
250051004	2011	3	10	3	V	4.7	0	5.27	98
250051004	2011	3	10	4	V	5.4	0	3.85	91
250051004	2011	3	10	5	V	4.8	0	3.88	79
250051004	2011	3	10	6	V	5.0	0	3.92	93
250051004	2011	3	10	7	V	6.8	0	4.48	91
250051004	2011	3	10	8	V	6.1	0	3.98	90
250051004	2011	3	10	9	V	5.8	0	4.85	97
250051004	2011	3	10	10	V	5.5	0	5.85	101
250051004	2011	3	10	11	V	9.3	0	5.12	99
250051004	2011	3	10	12	V	7.8	0	5.38	102
250051004	2011	3	10	13	V	11.9	0.2	4.87	93
250051004	2011	3	10	14	V	8.4	0	4.54	89
250051004	2011	3	10	15	V	3.3	0	5.75	97
250051004	2011	3	10	16	V	2.4	0.3	5.68	94
250051004	2011	3	10	17	V	3.6	0.1	5.89	101
250051004	2011	3	10	18	V	2.5	0.2	5.48	104
250051004	2011	3	10	19	V	2.3	0	5.82	97
250051004	2011	3	10	20	V	2.0	0	4.76	100
250051004	2011	3	10	21	V	2.3	0.1	4.88	96
250051004	2011	3	10	22	V	2.1	0	3.27	94
250051004	2011	3	10	23	V	2.6	0.2	5.38	100
250051004	2011	3	10	24	V	2.8	0.1	7.88	102

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	11	1	V	5.5	0.1	7.16	106
250051004	2011	3	11	2	V	8.4	0.4	6.92	107
250051004	2011	3	11	3	V	4.7	0.3	7.77	107
250051004	2011	3	11	4	V	5.4	0.3	4.65	122
250051004	2011	3	11	5	V	4.8	0.4	2.98	121
250051004	2011	3	11	6	V	5.0	0.3	3.52	120
250051004	2011	3	11	7	V	6.8	0.6	5.6	137
250051004	2011	3	11	8	V	6.1	0.2	4.71	152
250051004	2011	3	11	9	V	5.8	0.5	5.6	187
250051004	2011	3	11	10	V	5.5	0.7	2.15	151
250051004	2011	3	11	11	V	9.4	1.7	2.2	102
250051004	2011	3	11	12	V	7.8	0.6	3.08	121
250051004	2011	3	11	13	V	12.0	0.6	2.62	192
250051004	2011	3	11	14	V	8.4	0.9	4.07	177
250051004	2011	3	11	15	V	3.3	0.5	4.32	185
250051004	2011	3	11	16	V	2.4	0.4	3.69	183
250051004	2011	3	11	17	V	3.6	0.3	3.49	161
250051004	2011	3	11	18	V	2.5	0.8	3.05	148
250051004	2011	3	11	19	V	2.3	0.5	2.56	164
250051004	2011	3	11	20	V	2.0	0.6	2.42	165
250051004	2011	3	11	21	V	2.3	0.4	2.83	164
250051004	2011	3	11	22	V	2.1	-999	2.47	202
250051004	2011	3	11	23	V	2.6	0.1	2.33	221
250051004	2011	3	11	24	V	2.8	0.5	2.27	205
250051004	2011	3	12	1	V	5.5	0.3	2.16	240
250051004	2011	3	12	2	V	8.4	0.7	2.49	258
250051004	2011	3	12	3	V	4.7	0.4	2.15	220
250051004	2011	3	12	4	V	5.4	0.9	2.61	202
250051004	2011	3	12	5	V	4.8	1	4.2	227
250051004	2011	3	12	6	V	5.0	1.3	4.42	245
250051004	2011	3	12	7	V	6.8	1.3	3.64	238
250051004	2011	3	12	8	V	6.1	1.6	5.85	243
250051004	2011	3	12	9	V	5.8	1.7	7.77	253
250051004	2011	3	12	10	V	5.5	1.3	7.84	257
250051004	2011	3	12	11	V	9.4	1.4	7.35	250
250051004	2011	3	12	12	V	7.9	1	6.43	246
250051004	2011	3	12	13	V	11.9	1.1	6.65	249
250051004	2011	3	12	14	V	8.4	1.5	6.67	257
250051004	2011	3	12	15	V	3.4	1.4	6.43	231
250051004	2011	3	12	16	V	2.4	1.2	7.93	209
250051004	2011	3	12	17	V	3.6	1.3	6.6	211
250051004	2011	3	12	18	V	2.5	1.1	6.24	220
250051004	2011	3	12	19	V	2.3	1.2	3.57	194
250051004	2011	3	12	20	V	2.0	1.4	3.42	172
250051004	2011	3	12	21	V	2.3	1	2.86	195
250051004	2011	3	12	22	V	2.1	0.8	3.03	185

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	12	23	V	2.6	0.7	2.74	198
250051004	2011	3	12	24	V	2.8	1.1	2.25	171
250051004	2011	3	13	1	V	5.5	0.6	2.11	164
250051004	2011	3	13	2	V	8.4	1.1	2.25	181
250051004	2011	3	13	3	V	4.7	0.8	1.82	175
250051004	2011	3	13	4	V	5.4	1	1.53	197
250051004	2011	3	13	5	V	4.8	0.6	1.18	167
250051004	2011	3	13	6	V	5.0	0.8	1.47	218
250051004	2011	3	13	7	V	6.8	0.7	1.5	306
250051004	2011	3	13	8	V	34.4	1.4	1.47	311
250051004	2011	3	13	9	V	5.9	1.8	3.51	277
250051004	2011	3	13	10	V	5.5	1.6	5.39	292
250051004	2011	3	13	11	V	9.3	2.8	5.53	301
250051004	2011	3	13	12	V	7.9	1.3	6.94	292
250051004	2011	3	13	13	V	11.9	1	8.06	292
250051004	2011	3	13	14	V	8.4	0.7	8.28	287
250051004	2011	3	13	15	V	3.3	1.3	8.81	297
250051004	2011	3	13	16	V	2.4	0.4	7.25	296
250051004	2011	3	13	17	V	3.6	0.6	6.94	303
250051004	2011	3	13	18	V	2.5	1.2	5.62	298
250051004	2011	3	13	19	V	2.3	0.5	5.16	297
250051004	2011	3	13	20	V	2.0	0.5	3.69	290
250051004	2011	3	13	21	V	2.3	0.2	4	292
250051004	2011	3	13	22	V	2.1	0.5	3.81	292
250051004	2011	3	13	23	V	2.6	0.6	3.85	288
250051004	2011	3	13	24	V	2.8	0.4	3.32	276
250051004	2011	3	14	1	V	5.5	0.9	2.79	291
250051004	2011	3	14	2	V	8.4	1.2	2.72	295
250051004	2011	3	14	3	V	4.7	1.7	2.84	306
250051004	2011	3	14	4	V	5.4	-999	3.35	322
250051004	2011	3	14	5	V	4.8	0.2	3.18	329
250051004	2011	3	14	6	V	5.0	0.7	3.22	339
250051004	2011	3	14	7	V	6.8	0.7	3.29	343
250051004	2011	3	14	8	V	6.1	0.9	3.59	356
250051004	2011	3	14	9	V	5.8	1.2	4.75	5
250051004	2011	3	14	10	V	5.5	1.8	4.39	352
250051004	2011	3	14	11	V	9.8	1.3	4.31	348
250051004	2011	3	14	12	V	7.9	1.4	3.59	5
250051004	2011	3	14	13	V	11.9	1	3.22	13
250051004	2011	3	14	14	V	8.4	0.5	3.95	30
250051004	2011	3	14	15	V	3.3	0.1	4.73	76
250051004	2011	3	14	16	V	2.4	0.1	3.47	83
250051004	2011	3	14	17	V	3.6	0	2.2	83
250051004	2011	3	14	18	V	2.5	0	2.44	72
250051004	2011	3	14	19	V	2.3	0	3.1	74
250051004	2011	3	14	20	V	2.0	0	2.23	88

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	14	21	V	2.3	0.1	1.59	123
250051004	2011	3	14	22	V	2.1	-999	0.87	91
250051004	2011	3	14	23	C	-999	0	0	0
250051004	2011	3	14	24	V	2.8	0.3	0.6	350
250051004	2011	3	15	1	V	5.5	0.4	0.67	24
250051004	2011	3	15	2	V	8.4	0.3	0.57	142
250051004	2011	3	15	3	V	4.7	0.5	0.87	174
250051004	2011	3	15	4	V	5.4	1	1.38	293
250051004	2011	3	15	5	V	4.8	1.5	1.6	328
250051004	2011	3	15	6	V	5.0	2.5	0.75	197
250051004	2011	3	15	7	V	6.8	3.5	0.55	164
250051004	2011	3	15	8	V	13.6	4.8	0.82	119
250051004	2011	3	15	9	V	6.9	0.7	1.88	144
250051004	2011	3	15	10	V	5.7	0.5	2.83	166
250051004	2011	3	15	11	V	9.6	0.7	3.97	139
250051004	2011	3	15	12	V	8.0	0.4	4.58	149
250051004	2011	3	15	13	V	12.0	0	5.44	161
250051004	2011	3	15	14	V	8.4	0	5.33	161
250051004	2011	3	15	15	V	3.4	0	6.14	158
250051004	2011	3	15	16	V	2.4	0	6.94	153
250051004	2011	3	15	17	V	3.6	0	6.35	159
250051004	2011	3	15	18	V	2.5	0	5.46	161
250051004	2011	3	15	19	V	2.3	0	4.2	172
250051004	2011	3	15	20	V	2.0	0	4.59	180
250051004	2011	3	15	21	V	2.3	0	3.3	179
250051004	2011	3	15	22	V	2.1	0	2.49	180
250051004	2011	3	15	23	V	2.6	0	2.64	196
250051004	2011	3	15	24	V	2.8	0	2.27	186
250051004	2011	3	16	1	V	5.5	0	1.52	202
250051004	2011	3	16	2	V	8.4	0.1	1.21	226
250051004	2011	3	16	3	V	4.7	0.3	1.69	122
250051004	2011	3	16	4	V	5.4	0.1	1.76	193
250051004	2011	3	16	5	V	4.8	0.2	2.62	163
250051004	2011	3	16	6	V	5.0	0	2.15	133
250051004	2011	3	16	7	V	6.8	0.1	1.57	112
250051004	2011	3	16	8	V	6.1	0.2	1.89	78
250051004	2011	3	16	9	V	5.9	0.3	2.76	39
250051004	2011	3	16	10	V	5.6	0.2	2.95	27
250051004	2011	3	16	11	V	9.4	0.2	3.51	45
250051004	2011	3	16	12	V	8.8	0.2	2.13	17
250051004	2011	3	16	13	V	12.0	0.4	3.51	172
250051004	2011	3	16	14	V	8.6	0.3	3.13	227
250051004	2011	3	16	15	V	25.6	0.4	4.7	328
250051004	2011	3	16	16	V	14.1	0.7	3.63	332
250051004	2011	3	16	17	V	5.5	1	3.8	333
250051004	2011	3	16	18	V	2.5	0.6	2.9	330

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	16	19	V	2.3	1.8	2.27	292
250051004	2011	3	16	20	V	2.0	1.3	2.89	305
250051004	2011	3	16	21	V	2.3	1.4	2.57	276
250051004	2011	3	16	22	V	2.1	1	2.23	239
250051004	2011	3	16	23	V	2.6	0.7	2.37	259
250051004	2011	3	16	24	V	2.8	0.6	2.13	268
250051004	2011	3	17	1	V	5.5	0.4	1.4	242
250051004	2011	3	17	2	V	8.4	0.7	1.96	240
250051004	2011	3	17	3	V	4.7	0.6	0.91	274
250051004	2011	3	17	4	V	5.4	0.5	0.82	261
250051004	2011	3	17	5	V	4.8	0.5	0.8	213
250051004	2011	3	17	6	V	5.0	0.5	0.7	263
250051004	2011	3	17	7	V	6.8	0.8	0.99	304
250051004	2011	3	17	8	V	6.2	7.9	1.77	303
250051004	2011	3	17	9	V	14.1	12.6	3.51	346
250051004	2011	3	17	10	V	32.5	12.6	3.41	339
250051004	2011	3	17	11	V	11.8	12.8	1.99	18
250051004	2011	3	17	12	V	16.7	4.3	1.52	360
250051004	2011	3	17	13	V	12.5	1.4	2.98	165
250051004	2011	3	17	14	V	8.5	1.4	5.5	149
250051004	2011	3	17	15	V	3.4	0.8	6.24	152
250051004	2011	3	17	16	V	2.4	0.6	4.94	152
250051004	2011	3	17	17	V	3.7	0.8	4.1	147
250051004	2011	3	17	18	V	2.5	0.8	3.27	169
250051004	2011	3	17	19	V	2.3	1.1	2.73	189
250051004	2011	3	17	20	V	2.0	1	2.3	218
250051004	2011	3	17	21	V	2.3	1.3	2.08	234
250051004	2011	3	17	22	V	2.1	-999	4.29	234
250051004	2011	3	17	23	V	2.6	0.7	4.03	225
250051004	2011	3	17	24	V	2.8	0.9	4.32	212
250051004	2011	3	18	1	V	5.5	3.9	4.44	184
250051004	2011	3	18	2	V	8.4	11.3	4.46	191
250051004	2011	3	18	3	V	4.7	4.1	2.5	198
250051004	2011	3	18	4	V	5.4	4.6	3.68	206
250051004	2011	3	18	5	V	4.8	9.2	3.76	181
250051004	2011	3	18	6	V	5.0	5.1	3.88	210
250051004	2011	3	18	7	V	6.8	8.8	6.26	232
250051004	2011	3	18	8	V	6.1	5.4	8.39	238
250051004	2011	3	18	9	V	5.8	4.9	6.97	225
250051004	2011	3	18	10	V	5.4	4.1	6.02	225
250051004	2011	3	18	11	V	9.3	4.4	6.74	233
250051004	2011	3	18	12	V	7.8	6.2	5.17	240
250051004	2011	3	18	13	V	11.8	3.2	6.64	264
250051004	2011	3	18	14	V	8.3	2.1	9.8	291
250051004	2011	3	18	15	V	3.3	1.7	8.83	293
250051004	2011	3	18	16	V	2.3	0.9	9.12	300

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	18	17	V	3.6	0.7	8.08	303
250051004	2011	3	18	18	V	2.5	0.5	7.76	306
250051004	2011	3	18	19	V	2.3	0.4	6.5	322
250051004	2011	3	18	20	V	2.0	0.3	7.37	314
250051004	2011	3	18	21	V	2.3	0.2	5.68	321
250051004	2011	3	18	22	V	2.1	0.1	6.02	345
250051004	2011	3	18	23	V	2.6	0.3	3.3	338
250051004	2011	3	18	24	V	2.8	0.2	2.21	292
250051004	2011	3	19	1	V	5.5	0.5	1.67	249
250051004	2011	3	19	2	V	8.4	0.6	2.42	287
250051004	2011	3	19	3	V	4.7	1	3.61	286
250051004	2011	3	19	4	V	5.4	0.7	3.57	284
250051004	2011	3	19	5	V	4.8	0.5	5.63	287
250051004	2011	3	19	6	V	5.0	1	5.89	301
250051004	2011	3	19	7	V	6.8	0.7	4.54	299
250051004	2011	3	19	8	V	6.1	2.2	5.53	311
250051004	2011	3	19	9	V	5.8	2.3	6.58	336
250051004	2011	3	19	10	V	5.4	0.3	8.33	340
250051004	2011	3	19	11	V	9.3	0.2	7.37	336
250051004	2011	3	19	12	V	7.8	0.1	7.84	350
250051004	2011	3	19	13	V	11.8	0	7.47	343
250051004	2011	3	19	14	V	8.3	0.4	5.63	334
250051004	2011	3	19	15	V	3.3	0.2	5.73	345
250051004	2011	3	19	16	V	2.3	0.2	5.55	52
250051004	2011	3	19	17	V	3.6	0.2	5.24	60
250051004	2011	3	19	18	V	2.5	0.1	4.87	66
250051004	2011	3	19	19	V	2.3	0.1	3.83	76
250051004	2011	3	19	20	V	2.0	0	3.01	84
250051004	2011	3	19	21	V	2.3	0.2	1.2	48
250051004	2011	3	19	22	V	2.1	0.1	0.86	101
250051004	2011	3	19	23	V	2.6	0.1	1.33	272
250051004	2011	3	19	24	V	2.8	0	1.62	261
250051004	2011	3	20	1	V	5.5	0.1	2.06	296
250051004	2011	3	20	2	V	8.4	0.1	1.76	300
250051004	2011	3	20	3	V	4.7	0.2	2.67	340
250051004	2011	3	20	4	V	5.4	0.7	3.4	342
250051004	2011	3	20	5	V	4.8	0.4	3.32	344
250051004	2011	3	20	6	V	5.0	0.8	3.15	336
250051004	2011	3	20	7	V	6.8	1.5	3.42	348
250051004	2011	3	20	8	V	6.1	2.6	4.24	3
250051004	2011	3	20	9	V	5.8	2	4.56	16
250051004	2011	3	20	10	V	5.4	0.4	3.46	34
250051004	2011	3	20	11	V	9.3	0	2.67	42
250051004	2011	3	20	12	V	7.8	0	2.3	25
250051004	2011	3	20	13	V	11.8	0	2.11	9
250051004	2011	3	20	14	V	8.3	0.1	1.67	257

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	20	15	V	3.3	0	2.45	130
250051004	2011	3	20	16	V	2.3	0	5.77	165
250051004	2011	3	20	17	V	3.6	0	6.16	163
250051004	2011	3	20	18	V	2.5	0	5.34	177
250051004	2011	3	20	19	V	2.3	0	3.69	171
250051004	2011	3	20	20	V	2.0	0	3.51	175
250051004	2011	3	20	21	V	2.3	0	3.76	173
250051004	2011	3	20	22	V	2.1	-999	3.98	177
250051004	2011	3	20	23	V	2.6	0	2.67	199
250051004	2011	3	20	24	V	2.8	0	2.5	216
250051004	2011	3	21	1	V	5.5	0	2.03	215
250051004	2011	3	21	2	V	8.4	0.4	1.86	212
250051004	2011	3	21	3	V	4.7	1	1.88	204
250051004	2011	3	21	4	V	5.4	0.4	2.11	183
250051004	2011	3	21	5	V	4.8	0.5	2.76	201
250051004	2011	3	21	6	V	5.0	0.2	2.71	176
250051004	2011	3	21	7	V	6.8	0.2	4.14	172
250051004	2011	3	21	8	V	6.1	0.1	5.68	179
250051004	2011	3	21	9	V	5.8	0	5.9	176
250051004	2011	3	21	10	V	5.4	0.2	6.96	177
250051004	2011	3	21	11	V	9.3	0	6.01	156
250051004	2011	3	21	12	V	7.8	0.1	4.75	140
250051004	2011	3	21	13	V	11.9	0	4.7	139
250051004	2011	3	21	14	V	8.4	0.1	5.41	139
250051004	2011	3	21	15	V	3.3	0.2	5	132
250051004	2011	3	21	16	V	2.4	0.3	4.58	121
250051004	2011	3	21	17	V	3.6	0.6	4.54	123
250051004	2011	3	21	18	V	2.5	0.6	2.71	119
250051004	2011	3	21	19	V	2.3	0.6	2.61	119
250051004	2011	3	21	20	V	2.0	0.7	1.5	127
250051004	2011	3	21	21	V	2.3	0.7	2.71	343
250051004	2011	3	21	22	V	2.1	1.6	2.84	335
250051004	2011	3	21	23	V	2.6	5.8	2.83	313
250051004	2011	3	21	24	V	2.8	2.1	3.42	331
250051004	2011	3	22	1	V	5.5	2.1	5.31	303
250051004	2011	3	22	2	V	8.4	9.2	4.03	313
250051004	2011	3	22	3	V	4.7	8.5	3.68	356
250051004	2011	3	22	4	V	5.4	1.4	5.1	350
250051004	2011	3	22	5	V	4.8	1.6	5.05	344
250051004	2011	3	22	6	V	5.0	24.6	4.73	343
250051004	2011	3	22	7	V	6.9	12.1	5.39	337
250051004	2011	3	22	8	V	6.6	4.1	7.06	343
250051004	2011	3	22	9	V	9.4	2.3	8.42	337
250051004	2011	3	22	10	V	7.8	1.9	9.07	338
250051004	2011	3	22	11	V	15.8	1.2	8.2	334
250051004	2011	3	22	12	V	20.7	0.9	7.37	330

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	22	13	V	17.1	2.9	7.48	338
250051004	2011	3	22	14	V	19.1	2.6	7.84	334
250051004	2011	3	22	15	V	6.0	1.4	7.77	340
250051004	2011	3	22	16	V	17.5	7.4	6.77	332
250051004	2011	3	22	17	V	6.7	1.8	7.14	338
250051004	2011	3	22	18	V	2.5	0.7	7.26	350
250051004	2011	3	22	19	V	2.3	0.6	5.58	350
250051004	2011	3	22	20	V	2.0	4.2	4.82	339
250051004	2011	3	22	21	V	2.3	6.9	4.42	342
250051004	2011	3	22	22	V	2.1	0.8	3.15	321
250051004	2011	3	22	23	V	2.6	12.3	3.17	323
250051004	2011	3	22	24	V	2.8	4.6	3.24	334
250051004	2011	3	23	1	V	5.5	1.8	3	334
250051004	2011	3	23	2	V	8.4	1.4	2.08	325
250051004	2011	3	23	3	V	4.7	1.2	2.59	337
250051004	2011	3	23	4	V	5.4	2.1	3.15	321
250051004	2011	3	23	5	V	4.8	3.9	4.05	341
250051004	2011	3	23	6	V	5.0	1.8	4.27	352
250051004	2011	3	23	7	V	6.8	2.2	3.23	334
250051004	2011	3	23	8	V	6.1	2.5	3.81	357
250051004	2011	3	23	9	V	6.0	1.6	3.35	5
250051004	2011	3	23	10	V	6.3	0.9	1.84	22
250051004	2011	3	23	11	V	10.1	52.1	2.01	6
250051004	2011	3	23	12	V	8.7	37.8	1.82	235
250051004	2011	3	23	13	V	12.4	3.2	1.98	175
250051004	2011	3	23	14	V	8.6	14.1	2.3	167
250051004	2011	3	23	15	V	3.5	17.2	2.44	276
250051004	2011	3	23	16	V	2.7	2.8	2.04	292
250051004	2011	3	23	17	V	4.4	1.7	1.91	308
250051004	2011	3	23	18	V	2.5	2	2.49	353
250051004	2011	3	23	19	V	2.3	1.9	3.86	5
250051004	2011	3	23	20	V	2.0	1.3	3.46	9
250051004	2011	3	23	21	V	2.3	0.9	2.25	21
250051004	2011	3	23	22	V	2.1	-999	3.07	52
250051004	2011	3	23	23	V	2.6	0.7	4.24	57
250051004	2011	3	23	24	V	2.8	1.2	4.44	64
250051004	2011	3	24	1	V	5.5	1.3	4.1	49
250051004	2011	3	24	2	V	8.4	1.3	4.56	37
250051004	2011	3	24	3	V	4.7	1.8	5.79	33
250051004	2011	3	24	4	V	5.4	1.1	6.41	42
250051004	2011	3	24	5	V	4.8	1	4.05	10
250051004	2011	3	24	6	V	5.0	1.1	4.59	4
250051004	2011	3	24	7	V	6.8	1.5	5.24	2
250051004	2011	3	24	8	V	6.1	1.4	6.02	2
250051004	2011	3	24	9	V	5.8	1.8	6.26	2
250051004	2011	3	24	10	V	5.5	1.9	6.77	357

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	24	11	V	9.4	1.8	7.13	12
250051004	2011	3	24	12	V	7.8	1.2	6.6	2
250051004	2011	3	24	13	V	11.9	1.3	6.8	1
250051004	2011	3	24	14	V	8.4	1.2	6.69	2
250051004	2011	3	24	15	V	3.4	1.1	6.99	20
250051004	2011	3	24	16	V	2.4	1.2	6.12	33
250051004	2011	3	24	17	V	3.6	0.8	4.77	31
250051004	2011	3	24	18	V	2.5	0.8	3.51	41
250051004	2011	3	24	19	V	2.3	0.9	2.35	65
250051004	2011	3	24	20	V	2.0	0.9	1.96	62
250051004	2011	3	24	21	V	2.3	1	0.87	152
250051004	2011	3	24	22	V	2.1	1	1.04	251
250051004	2011	3	24	23	V	2.6	0.9	2.57	276
250051004	2011	3	24	24	V	2.8	4.1	3.76	309
250051004	2011	3	25	1	V	5.5	12	4.02	315
250051004	2011	3	25	2	V	8.4	4.2	3.68	303
250051004	2011	3	25	3	V	4.7	5.7	3.61	315
250051004	2011	3	25	4	V	5.4	4	3.66	307
250051004	2011	3	25	5	V	4.8	7.5	3.17	294
250051004	2011	3	25	6	V	5.0	6.8	2.61	289
250051004	2011	3	25	7	V	6.8	5.6	2.91	294
250051004	2011	3	25	8	V	16.2	17.8	4.82	316
250051004	2011	3	25	9	V	47.9	31.3	4.46	327
250051004	2011	3	25	10	V	30.1	9.6	4.27	319
250051004	2011	3	25	11	V	24.3	20.7	4.1	312
250051004	2011	3	25	12	V	8.6	2.7	4.66	292
250051004	2011	3	25	13	V	15.3	0.9	3.98	299
250051004	2011	3	25	14	V	8.9	0.9	5.14	296
250051004	2011	3	25	15	V	3.5	0.8	4.87	285
250051004	2011	3	25	16	V	2.4	0.9	5.95	278
250051004	2011	3	25	17	V	3.6	0.9	5.65	284
250051004	2011	3	25	18	V	2.5	0.9	7.15	262
250051004	2011	3	25	19	V	2.3	1.7	4.65	310
250051004	2011	3	25	20	V	2.0	3.3	4.39	321
250051004	2011	3	25	21	V	2.3	2.1	4.29	305
250051004	2011	3	25	22	V	2.1	2.2	4.87	299
250051004	2011	3	25	23	V	2.6	2.5	5.38	300
250051004	2011	3	25	24	V	2.8	2.3	5.38	299
250051004	2011	3	26	1	V	5.5	2.7	4.83	300
250051004	2011	3	26	2	V	8.4	2.3	4.36	303
250051004	2011	3	26	3	V	4.7	3	4.17	300
250051004	2011	3	26	4	V	5.4	2.4	3.95	295
250051004	2011	3	26	5	V	4.8	1.7	4	288
250051004	2011	3	26	6	V	5.0	1.3	4.2	268
250051004	2011	3	26	7	V	6.8	1.4	4.25	276
250051004	2011	3	26	8	V	6.4	1.4	5.44	304

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	26	9	V	8.0	7.8	6.43	308
250051004	2011	3	26	10	V	28.6	15.7	6.53	318
250051004	2011	3	26	11	V	28.1	8.9	6.09	316
250051004	2011	3	26	12	V	15.1	4.2	5.72	309
250051004	2011	3	26	13	V	14.3	1	6.43	305
250051004	2011	3	26	14	V	8.8	0.5	6.65	300
250051004	2011	3	26	15	V	3.6	1	6.82	300
250051004	2011	3	26	16	V	5.4	1.1	7.69	310
250051004	2011	3	26	17	V	3.8	0.9	7.98	305
250051004	2011	3	26	18	V	2.5	0.8	6.81	304
250051004	2011	3	26	19	V	2.3	0.4	5.87	295
250051004	2011	3	26	20	V	2.0	0.8	4.83	289
250051004	2011	3	26	21	V	2.3	0.5	4.27	278
250051004	2011	3	26	22	V	2.1	-999	3.95	283
250051004	2011	3	26	23	V	2.6	0.9	5.31	293
250051004	2011	3	26	24	V	2.8	0.7	4.78	293
250051004	2011	3	27	1	V	5.5	1	4.03	291
250051004	2011	3	27	2	V	8.4	1.5	4.26	295
250051004	2011	3	27	3	V	4.7	1.1	3.35	275
250051004	2011	3	27	4	V	5.4	1.2	2.93	275
250051004	2011	3	27	5	V	4.8	1.9	2.83	286
250051004	2011	3	27	6	V	5.0	2.2	2.69	302
250051004	2011	3	27	7	V	6.9	1.2	3.93	314
250051004	2011	3	27	8	V	24.6	1.3	4.95	319
250051004	2011	3	27	9	V	17.2	1	5.14	314
250051004	2011	3	27	10	V	10.6	1.5	5.8	310
250051004	2011	3	27	11	V	9.6	2.7	6.19	300
250051004	2011	3	27	12	V	7.9	0.8	6.57	294
250051004	2011	3	27	13	V	12.0	1	7.47	299
250051004	2011	3	27	14	V	8.4	0.8	7.28	292
250051004	2011	3	27	15	V	3.4	0.8	7.72	285
250051004	2011	3	27	16	V	2.4	0.7	7.48	282
250051004	2011	3	27	17	V	3.7	0.8	6.94	299
250051004	2011	3	27	18	V	2.5	1.4	6.48	297
250051004	2011	3	27	19	V	2.3	0.9	5.41	290
250051004	2011	3	27	20	V	2.0	1	5.14	289
250051004	2011	3	27	21	V	2.3	0.8	5.22	285
250051004	2011	3	27	22	V	2.1	1.1	6.07	288
250051004	2011	3	27	23	V	2.6	1.2	5.92	293
250051004	2011	3	27	24	V	2.8	1.4	6.31	292
250051004	2011	3	28	1	V	5.5	1.2	5.63	286
250051004	2011	3	28	2	V	8.4	1.2	5.41	281
250051004	2011	3	28	3	V	4.7	1.1	4.88	286
250051004	2011	3	28	4	V	5.4	-999	5.04	289
250051004	2011	3	28	5	V	4.8	1.2	5.56	295
250051004	2011	3	28	6	V	5.0	1.3	5.46	293

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	28	7	V	6.8	1.6	5.72	297
250051004	2011	3	28	8	V	6.1	1.4	6.69	299
250051004	2011	3	28	9	V	7.0	2.2	6.91	307
250051004	2011	3	28	10	V	5.8	2.1	7.47	303
250051004	2011	3	28	11	V	10.5	1.7	7.66	306
250051004	2011	3	28	12	V	8.0	1.7	8.08	299
250051004	2011	3	28	13	V	12.9	1.8	7.43	305
250051004	2011	3	28	14	V	8.6	3	7.04	300
250051004	2011	3	28	15	V	37.1	2.8	6.77	322
250051004	2011	3	28	16	V	27.7	1.9	6.3	320
250051004	2011	3	28	17	V	3.7	2.2	5.8	294
250051004	2011	3	28	18	V	2.5	3.5	6.16	287
250051004	2011	3	28	19	V	2.3	2.2	4.87	292
250051004	2011	3	28	20	V	2.0	1.1	4.94	285
250051004	2011	3	28	21	V	2.3	1.1	5.36	290
250051004	2011	3	28	22	V	2.1	1.4	5.28	293
250051004	2011	3	28	23	V	2.6	2.1	5.38	298
250051004	2011	3	28	24	V	2.8	3.7	5.12	302
250051004	2011	3	29	1	V	5.5	2.2	4.71	301
250051004	2011	3	29	2	V	8.4	1	4.41	295
250051004	2011	3	29	3	V	4.7	1.2	3.71	281
250051004	2011	3	29	4	V	5.4	4.8	2.61	299
250051004	2011	3	29	5	V	4.8	3.3	2.47	282
250051004	2011	3	29	6	V	5.0	1.8	2.81	271
250051004	2011	3	29	7	V	6.8	2	3.18	276
250051004	2011	3	29	8	V	6.2	1.8	4.63	288
250051004	2011	3	29	9	V	7.2	11	4.75	304
250051004	2011	3	29	10	V	6.2	1.6	5.39	301
250051004	2011	3	29	11	V	19.2	2.1	5.36	311
250051004	2011	3	29	12	V	24.8	1.1	5.85	315
250051004	2011	3	29	13	V	32.5	0.9	5.8	317
250051004	2011	3	29	14	V	23.2	0.9	5.41	315
250051004	2011	3	29	15	V	5.3	1.1	5.75	308
250051004	2011	3	29	16	V	3.8	2.7	7.25	310
250051004	2011	3	29	17	V	5.6	25.6	7.25	311
250051004	2011	3	29	18	V	2.5	10.6	6.48	309
250051004	2011	3	29	19	V	2.3	11.8	5.44	311
250051004	2011	3	29	20	V	2.0	5	3.81	305
250051004	2011	3	29	21	V	2.3	4.5	3.08	294
250051004	2011	3	29	22	V	2.1	-999	2.66	289
250051004	2011	3	29	23	V	2.6	1.9	2.79	295
250051004	2011	3	29	24	V	2.8	2.3	2.96	294
250051004	2011	3	30	1	V	5.5	2.6	3.58	308
250051004	2011	3	30	2	V	8.4	4.2	3.37	319
250051004	2011	3	30	3	V	4.7	3.8	2.86	295
250051004	2011	3	30	4	V	5.4	1.9	2.33	280

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	3	30	5	V	4.8	1.8	2.69	279
250051004	2011	3	30	6	V	5.0	1.7	2.59	265
250051004	2011	3	30	7	V	6.8	2.1	2.69	286
250051004	2011	3	30	8	V	6.2	6.8	3.8	286
250051004	2011	3	30	9	V	24.1	10.5	4.48	316
250051004	2011	3	30	10	V	27.7	5	4.29	316
250051004	2011	3	30	11	V	22.6	3.5	3.73	312
250051004	2011	3	30	12	V	36.5	2.6	4.53	327
250051004	2011	3	30	13	V	16.9	0.8	4.17	307
250051004	2011	3	30	14	V	8.4	0.6	6.09	176
250051004	2011	3	30	15	V	3.4	0.7	6.98	164
250051004	2011	3	30	16	V	2.4	1.2	6.35	169
250051004	2011	3	30	17	V	3.6	0.7	6.33	184
250051004	2011	3	30	18	V	2.5	0.5	5.34	195
250051004	2011	3	30	19	V	2.3	0.6	4.58	204
250051004	2011	3	30	20	V	2.0	0.3	3.37	173
250051004	2011	3	30	21	V	2.3	0.5	2.72	176
250051004	2011	3	30	22	V	2.1	0.5	2.37	163
250051004	2011	3	30	23	V	2.6	0.6	3.25	171
250051004	2011	3	30	24	V	2.8	0.6	2.25	182
250051004	2011	3	31	1	V	5.5	0.6	2.67	176
250051004	2011	3	31	2	V	8.4	0.5	2.59	174
250051004	2011	3	31	3	V	4.7	0.6	2.64	171
250051004	2011	3	31	4	V	5.4	0.7	1.86	167
250051004	2011	3	31	5	V	4.8	0.9	2.1	152
250051004	2011	3	31	6	V	5.0	0.8	1.23	97
250051004	2011	3	31	7	V	6.8	1.4	2.2	75
250051004	2011	3	31	8	V	6.1	1.1	2.16	53
250051004	2011	3	31	9	V	5.9	1.2	2.95	63
250051004	2011	3	31	10	V	5.5	1.1	3.74	84
250051004	2011	3	31	11	V	9.4	1.1	3.51	90
250051004	2011	3	31	12	V	7.9	0.8	4.03	82
250051004	2011	3	31	13	V	11.9	1	5.96	71
250051004	2011	3	31	14	V	8.4	0.9	5.87	88
250051004	2011	3	31	15	V	3.3	1.1	5.36	97
250051004	2011	3	31	16	V	2.4	0.7	4.31	61
250051004	2011	3	31	17	V	3.6	0.8	4.88	37
250051004	2011	3	31	18	V	2.5	0.5	3.8	39
250051004	2011	3	31	19	V	2.3	0.7	4.14	36
250051004	2011	3	31	20	V	2.0	0.7	4.37	23
250051004	2011	3	31	21	V	2.3	0.7	4.53	13
250051004	2011	3	31	22	V	2.1	0.6	5.29	30
250051004	2011	3	31	23	V	2.6	0.7	6.21	41
250051004	2011	3	31	24	V	2.8	0.7	6.07	37
250051004	2011	4	1	1	V	5.5	0.9	6.07	32
250051004	2011	4	1	2	V	8.4	0.9	6.06	21

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	1	3	V	4.7	1	6.98	19
250051004	2011	4	1	4	V	5.4	1	6.96	16
250051004	2011	4	1	5	V	4.8	1	8.01	10
250051004	2011	4	1	6	V	5.0	1.2	8.69	8
250051004	2011	4	1	7	V	6.8	1.3	8.08	357
250051004	2011	4	1	8	V	6.1	1.3	7.04	358
250051004	2011	4	1	9	V	5.8	1.2	7.98	357
250051004	2011	4	1	10	V	5.5	1.4	8.15	355
250051004	2011	4	1	11	V	9.3	1.4	7.37	349
250051004	2011	4	1	12	V	15.6	1.3	6.57	337
250051004	2011	4	1	13	V	25.2	10.5	5.77	335
250051004	2011	4	1	14	V	47.4	47.4	6.52	325
250051004	2011	4	1	15	V	37.8	33	6.02	328
250051004	2011	4	1	16	V	2.5	27.7	4.71	309
250051004	2011	4	1	17	V	3.6	6	4.58	285
250051004	2011	4	1	18	V	2.5	3.8	4.6	278
250051004	2011	4	1	19	V	2.3	2.3	3.68	271
250051004	2011	4	1	20	V	2.0	1.5	3.81	282
250051004	2011	4	1	21	V	2.3	1.8	4.42	287
250051004	2011	4	1	22	V	2.1	-999	4.92	277
250051004	2011	4	1	23	V	2.6	1.4	4.88	278
250051004	2011	4	1	24	V	2.8	1.5	5.29	273
250051004	2011	4	2	1	V	5.5	1.5	5.41	269
250051004	2011	4	2	2	V	8.4	1.8	5.11	272
250051004	2011	4	2	3	V	4.7	1.8	4.49	275
250051004	2011	4	2	4	V	5.4	1.8	4.41	279
250051004	2011	4	2	5	V	4.8	1.9	4.88	276
250051004	2011	4	2	6	V	5.0	1.9	4.29	269
250051004	2011	4	2	7	V	6.8	2.2	4.71	267
250051004	2011	4	2	8	V	6.1	1.8	5.56	279
250051004	2011	4	2	9	V	5.9	1.4	6.67	280
250051004	2011	4	2	10	V	5.5	1.5	6.8	286
250051004	2011	4	2	11	V	9.4	1.6	6.74	281
250051004	2011	4	2	12	V	7.9	1.5	5.95	289
250051004	2011	4	2	13	V	11.9	1.3	6.62	285
250051004	2011	4	2	14	V	8.4	1.4	7.06	294
250051004	2011	4	2	15	V	3.4	1.3	7.3	280
250051004	2011	4	2	16	V	2.4	1.5	6.77	294
250051004	2011	4	2	17	V	3.6	1.3	6.3	276
250051004	2011	4	2	18	V	2.5	1.3	6.24	289
250051004	2011	4	2	19	V	2.3	3.5	3.81	293
250051004	2011	4	2	20	V	2.0	1	3.61	305
250051004	2011	4	2	21	V	2.3	1.1	3	280
250051004	2011	4	2	22	V	2.1	1.4	2.66	264
250051004	2011	4	2	23	V	2.6	1.6	3.23	260
250051004	2011	4	2	24	V	2.8	1.6	3.66	266

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	3	1	V	5.5	2	3.88	262
250051004	2011	4	3	2	V	8.4	1.9	4.42	265
250051004	2011	4	3	3	V	4.7	2.1	4.68	271
250051004	2011	4	3	4	V	5.4	1.8	4.37	265
250051004	2011	4	3	5	V	4.8	2	4.31	267
250051004	2011	4	3	6	V	5.0	2.1	5.11	275
250051004	2011	4	3	7	V	6.8	1.6	5.31	279
250051004	2011	4	3	8	V	6.1	1.5	6.63	286
250051004	2011	4	3	9	V	5.9	1.4	7.09	305
250051004	2011	4	3	10	V	5.6	8.1	8.1	306
250051004	2011	4	3	11	V	9.8	4.3	7.64	306
250051004	2011	4	3	12	V	9.3	11.4	7.67	308
250051004	2011	4	3	13	V	23.2	2.4	8.62	316
250051004	2011	4	3	14	V	19.2	11.4	8.83	316
250051004	2011	4	3	15	V	7.0	1.7	8.35	312
250051004	2011	4	3	16	V	4.8	12.9	7.76	311
250051004	2011	4	3	17	V	7.2	2.7	7.47	313
250051004	2011	4	3	18	V	3.0	1.8	6.5	315
250051004	2011	4	3	19	V	2.3	2.3	3.78	314
250051004	2011	4	3	20	V	2.0	0.7	2.33	288
250051004	2011	4	3	21	V	2.3	0.9	1.59	248
250051004	2011	4	3	22	V	2.1	1.4	1.62	225
250051004	2011	4	3	23	V	2.6	1.3	1.76	254
250051004	2011	4	3	24	V	2.8	1	1.57	277
250051004	2011	4	4	1	V	5.5	1	0.92	180
250051004	2011	4	4	2	V	8.4	1.3	1.08	184
250051004	2011	4	4	3	V	4.7	1.3	1.45	208
250051004	2011	4	4	4	V	5.4	1.9	1.74	178
250051004	2011	4	4	5	V	4.8	1.3	2.96	166
250051004	2011	4	4	6	V	5.0	1.6	2.32	162
250051004	2011	4	4	7	V	6.8	1.6	2.38	154
250051004	2011	4	4	8	V	6.1	1.3	2.91	160
250051004	2011	4	4	9	V	5.8	0.8	3.18	145
250051004	2011	4	4	10	V	5.7	1	1.89	119
250051004	2011	4	4	11	V	9.3	0.6	3.88	150
250051004	2011	4	4	12	V	7.8	0.9	5.62	162
250051004	2011	4	4	13	V	11.9	1.3	6.28	168
250051004	2011	4	4	14	V	8.4	1.1	6.52	172
250051004	2011	4	4	15	V	3.4	1.1	2.98	147
250051004	2011	4	4	16	V	2.4	0.9	3.51	155
250051004	2011	4	4	17	V	3.6	1	5.19	180
250051004	2011	4	4	18	V	2.5	0.9	4.48	194
250051004	2011	4	4	19	V	2.3	0.9	2.84	199
250051004	2011	4	4	20	V	2.0	1	2.81	175
250051004	2011	4	4	21	V	2.3	1	2.81	160
250051004	2011	4	4	22	V	2.1	-999	3.46	161

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	4	23	V	2.6	0.7	3.49	176
250051004	2011	4	4	24	V	2.8	1.1	4.83	178
250051004	2011	4	5	1	V	5.5	1.4	5.92	195
250051004	2011	4	5	2	V	8.4	2.6	9.12	216
250051004	2011	4	5	3	V	4.7	2.7	8.5	211
250051004	2011	4	5	4	V	5.4	3	7.99	212
250051004	2011	4	5	5	V	4.8	5.1	7.91	219
250051004	2011	4	5	6	V	5.0	3.8	8.45	214
250051004	2011	4	5	7	V	6.9	3.1	9.58	210
250051004	2011	4	5	8	V	6.1	2.8	11.19	210
250051004	2011	4	5	9	V	5.8	3	11.8	213
250051004	2011	4	5	10	V	5.5	3.3	12.02	212
250051004	2011	4	5	11	V	9.3	2.5	11.74	214
250051004	2011	4	5	12	V	7.8	2.9	10.87	216
250051004	2011	4	5	13	V	11.9	3	9.93	217
250051004	2011	4	5	14	V	8.4	2.4	7.77	263
250051004	2011	4	5	15	V	3.5	1.7	7.14	308
250051004	2011	4	5	16	V	2.4	2.3	7.62	306
250051004	2011	4	5	17	V	3.8	3.5	6.43	309
250051004	2011	4	5	18	V	2.5	1.9	6.79	290
250051004	2011	4	5	19	V	2.3	1.4	6.43	286
250051004	2011	4	5	20	V	2.0	1.6	6.72	295
250051004	2011	4	5	21	V	2.3	1.1	6.57	298
250051004	2011	4	5	22	V	2.1	1.5	7.47	296
250051004	2011	4	5	23	V	2.6	1.3	6.74	299
250051004	2011	4	5	24	V	2.8	1.7	5.82	292
250051004	2011	4	6	1	V	5.5	1.5	7.16	298
250051004	2011	4	6	2	V	8.4	1.3	7.37	299
250051004	2011	4	6	3	V	4.7	1.2	5.19	291
250051004	2011	4	6	4	V	5.4	1.2	4.95	285
250051004	2011	4	6	5	V	4.8	1.1	5.53	296
250051004	2011	4	6	6	V	5.0	1.4	4.54	280
250051004	2011	4	6	7	V	6.9	-999	6.7	282
250051004	2011	4	6	8	V	6.1	-999	7.59	284
250051004	2011	4	6	9	V	5.9	-999	8.96	291
250051004	2011	4	6	10	V	5.5	0.8	7.91	291
250051004	2011	4	6	11	V	9.4	0.9	8.06	287
250051004	2011	4	6	12	V	7.9	0.8	7.84	287
250051004	2011	4	6	13	V	11.9	0.9	6.79	284
250051004	2011	4	6	14	V	8.4	0.9	7.64	271
250051004	2011	4	6	15	V	3.4	0.8	8.08	253
250051004	2011	4	6	16	V	2.4	1.1	8.66	236
250051004	2011	4	6	17	V	3.6	1.6	8.25	246
250051004	2011	4	6	18	V	2.5	1.5	8.27	235
250051004	2011	4	6	19	V	2.3	1.7	7.21	249
250051004	2011	4	6	20	V	2.0	1.2	7.11	268

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	6	21	V	2.3	1	6.43	270
250051004	2011	4	6	22	V	2.1	-999	4.15	274
250051004	2011	4	6	23	V	2.6	0.7	2.67	277
250051004	2011	4	6	24	V	2.8	0.9	2.49	274
250051004	2011	4	7	1	V	5.5	0.8	1.37	308
250051004	2011	4	7	2	V	8.4	0.6	1.31	281
250051004	2011	4	7	3	V	4.7	0.8	1.37	330
250051004	2011	4	7	4	V	5.4	1.7	2.28	44
250051004	2011	4	7	5	V	4.8	1.5	2.35	39
250051004	2011	4	7	6	V	5.0	1.2	1.5	15
250051004	2011	4	7	7	V	7.2	2.2	1.74	11
250051004	2011	4	7	8	V	6.2	1.7	3.51	38
250051004	2011	4	7	9	V	6.3	1.6	3.06	39
250051004	2011	4	7	10	V	7.5	1.6	1.98	73
250051004	2011	4	7	11	V	12.4	3.2	1.76	153
250051004	2011	4	7	12	V	8.6	9	2.91	155
250051004	2011	4	7	13	V	12.9	32.7	2.49	136
250051004	2011	4	7	14	V	9.2	58	2.62	114
250051004	2011	4	7	15	V	3.5	20.4	4.99	158
250051004	2011	4	7	16	V	2.4	1.8	7.06	157
250051004	2011	4	7	17	V	3.7	0.4	7.47	156
250051004	2011	4	7	18	V	2.5	0.3	5.8	162
250051004	2011	4	7	19	V	2.3	0.2	4.83	165
250051004	2011	4	7	20	V	2.0	0.2	4.05	172
250051004	2011	4	7	21	V	2.3	0.3	2.95	205
250051004	2011	4	7	22	V	2.1	0.1	2.13	211
250051004	2011	4	7	23	V	2.6	0.4	1.99	223
250051004	2011	4	7	24	V	2.8	0.2	0.86	226
250051004	2011	4	8	1	V	5.5	0.2	0.55	211
250051004	2011	4	8	2	V	8.4	0.2	0.79	257
250051004	2011	4	8	3	V	4.7	0.5	1.14	265
250051004	2011	4	8	4	V	5.4	0.4	1.14	283
250051004	2011	4	8	5	V	4.8	0.6	1.16	327
250051004	2011	4	8	6	V	5.0	0.8	1.7	346
250051004	2011	4	8	7	V	6.8	2.3	1.99	5
250051004	2011	4	8	8	V	6.1	1.3	3.64	31
250051004	2011	4	8	9	V	5.9	1	2.86	38
250051004	2011	4	8	10	V	6.4	0.4	2.3	20
250051004	2011	4	8	11	V	10.2	0.7	2.08	15
250051004	2011	4	8	12	V	8.9	5.6	1.89	73
250051004	2011	4	8	13	V	12.5	22.2	2.16	60
250051004	2011	4	8	14	V	8.4	9.7	5.33	151
250051004	2011	4	8	15	V	3.3	0.6	6.77	163
250051004	2011	4	8	16	V	2.4	0.3	5.41	170
250051004	2011	4	8	17	V	3.6	0.4	5.75	173
250051004	2011	4	8	18	V	2.5	0.5	4.15	169

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	8	19	V	2.3	0.4	4.17	170
250051004	2011	4	8	20	V	2.0	0.4	3.35	173
250051004	2011	4	8	21	V	2.3	0.3	2.2	181
250051004	2011	4	8	22	V	2.1	0.2	1.72	178
250051004	2011	4	8	23	V	2.6	0.3	1.26	225
250051004	2011	4	8	24	V	2.8	0.1	1.47	228
250051004	2011	4	9	1	V	5.5	0.3	2.04	245
250051004	2011	4	9	2	V	8.5	0.3	0.82	327
250051004	2011	4	9	3	V	4.7	0.5	1.09	66
250051004	2011	4	9	4	V	5.4	0.4	1.06	331
250051004	2011	4	9	5	V	4.8	0.7	1.52	268
250051004	2011	4	9	6	V	5.0	0.9	1.57	256
250051004	2011	4	9	7	V	6.8	1.8	1.14	250
250051004	2011	4	9	8	V	6.6	1.9	1.09	198
250051004	2011	4	9	9	V	6.8	0.9	2.08	173
250051004	2011	4	9	10	V	5.6	1	4.03	158
250051004	2011	4	9	11	V	9.4	1.2	5	152
250051004	2011	4	9	12	V	7.9	1	6.23	150
250051004	2011	4	9	13	V	11.9	0.8	7.4	155
250051004	2011	4	9	14	V	8.4	0.5	7.74	152
250051004	2011	4	9	15	V	3.3	0.4	7.84	149
250051004	2011	4	9	16	V	2.4	0.2	7.25	159
250051004	2011	4	9	17	V	3.6	0.2	6.02	154
250051004	2011	4	9	18	V	2.5	0.1	5.48	159
250051004	2011	4	9	19	V	2.3	0.3	3.78	163
250051004	2011	4	9	20	V	2.0	0.4	2.93	162
250051004	2011	4	9	21	V	2.3	0.2	2.96	193
250051004	2011	4	9	22	V	2.1	-999	2.81	202
250051004	2011	4	9	23	V	2.6	0.2	1.93	201
250051004	2011	4	9	24	V	2.8	0.3	1.47	205
250051004	2011	4	10	1	V	5.5	0.3	1.33	204
250051004	2011	4	10	2	V	8.4	0.3	1.3	215
250051004	2011	4	10	3	V	4.7	0.3	1.64	189
250051004	2011	4	10	4	V	5.4	0.3	1.59	183
250051004	2011	4	10	5	V	4.8	0.4	1.69	150
250051004	2011	4	10	6	V	5.0	0.3	1.99	212
250051004	2011	4	10	7	V	6.8	0.8	0.82	171
250051004	2011	4	10	8	V	7.1	1.3	1.06	126
250051004	2011	4	10	9	V	7.2	0.9	2.1	159
250051004	2011	4	10	10	V	5.8	0.8	3.24	141
250051004	2011	4	10	11	V	9.4	0.6	4.88	150
250051004	2011	4	10	12	V	7.9	0.4	6.58	154
250051004	2011	4	10	13	V	11.9	0.4	7.87	152
250051004	2011	4	10	14	V	8.4	0.4	8.22	153
250051004	2011	4	10	15	V	3.3	0.7	7.43	154
250051004	2011	4	10	16	V	2.4	0.9	6.52	152

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	10	17	V	3.6	0.9	5.67	169
250051004	2011	4	10	18	V	2.5	0.8	5.78	160
250051004	2011	4	10	19	V	2.3	0.7	3.75	181
250051004	2011	4	10	20	V	2.0	0.8	3.88	173
250051004	2011	4	10	21	V	2.3	0.7	3.4	160
250051004	2011	4	10	22	V	2.1	0.7	2.01	132
250051004	2011	4	10	23	V	2.6	0.5	3.59	160
250051004	2011	4	10	24	V	2.8	0.7	3.15	156
250051004	2011	4	11	1	V	5.5	1.4	2.33	128
250051004	2011	4	11	2	V	8.4	3.6	3.69	177
250051004	2011	4	11	3	V	4.7	3.4	3.08	182
250051004	2011	4	11	4	V	5.4	-999	2.52	175
250051004	2011	4	11	5	V	4.8	1.5	3.54	183
250051004	2011	4	11	6	V	5.0	1.5	5.46	198
250051004	2011	4	11	7	V	6.8	3.1	5.62	216
250051004	2011	4	11	8	V	6.1	2.1	5.62	225
250051004	2011	4	11	9	V	5.8	2	6.7	223
250051004	2011	4	11	10	V	5.5	4.3	5.7	229
250051004	2011	4	11	11	V	9.3	5.3	6.75	222
250051004	2011	4	11	12	V	7.8	5.4	6.48	213
250051004	2011	4	11	13	V	11.9	3.8	5.44	211
250051004	2011	4	11	14	V	8.4	1.5	5.96	224
250051004	2011	4	11	15	V	3.4	1.5	6.96	214
250051004	2011	4	11	16	V	2.4	1.1	4.36	192
250051004	2011	4	11	17	V	3.6	1	6.83	202
250051004	2011	4	11	18	V	2.5	0.2	7.01	202
250051004	2011	4	11	19	V	2.3	0.6	6.77	203
250051004	2011	4	11	20	V	2.0	0.9	5.7	195
250051004	2011	4	11	21	V	2.3	0.9	5.29	212
250051004	2011	4	11	22	V	2.1	1	4.15	216
250051004	2011	4	11	23	V	2.6	1	4.02	217
250051004	2011	4	11	24	V	2.8	0.9	4.02	207
250051004	2011	4	12	1	V	5.5	1.5	4.29	207
250051004	2011	4	12	2	V	8.4	3	2.4	138
250051004	2011	4	12	3	V	4.7	3.3	1.76	165
250051004	2011	4	12	4	V	5.4	5.2	1.31	182
250051004	2011	4	12	5	V	4.8	3.2	2.16	356
250051004	2011	4	12	6	V	5.0	4.4	4.41	305
250051004	2011	4	12	7	V	9.8	7	4.46	317
250051004	2011	4	12	8	V	12.6	5.5	4.31	320
250051004	2011	4	12	9	V	28.6	8.5	5	329
250051004	2011	4	12	10	V	19.5	10.7	4.29	324
250051004	2011	4	12	11	V	9.3	1.4	4.14	359
250051004	2011	4	12	12	V	8.7	0.9	4.42	341
250051004	2011	4	12	13	V	11.8	0.8	4.37	353
250051004	2011	4	12	14	V	9.3	0.9	1.47	65

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	12	15	V	4.4	0.9	1.3	126
250051004	2011	4	12	16	V	2.9	0.9	1.94	86
250051004	2011	4	12	17	V	3.7	1	2.84	46
250051004	2011	4	12	18	V	2.5	0.6	4.41	67
250051004	2011	4	12	19	V	2.3	0.7	3.03	68
250051004	2011	4	12	20	V	2.0	0.2	3.25	81
250051004	2011	4	12	21	V	2.3	0.3	3.27	81
250051004	2011	4	12	22	V	2.1	-999	5.67	61
250051004	2011	4	12	23	V	2.6	0.3	6.72	56
250051004	2011	4	12	24	V	2.8	0.4	5.44	53
250051004	2011	4	13	1	V	5.5	0.4	4.49	80
250051004	2011	4	13	2	V	8.4	0.4	3.66	94
250051004	2011	4	13	3	V	4.7	0.3	4.05	62
250051004	2011	4	13	4	V	5.4	0.2	5.65	70
250051004	2011	4	13	5	V	4.8	0.4	4.92	65
250051004	2011	4	13	6	V	5.0	0.4	4.93	92
250051004	2011	4	13	7	V	6.9	0.4	6.43	87
250051004	2011	4	13	8	V	6.1	0.3	6.19	90
250051004	2011	4	13	9	V	5.8	0.5	6.31	82
250051004	2011	4	13	10	V	5.5	0.5	3.9	51
250051004	2011	4	13	11	V	9.3	0.6	4.63	82
250051004	2011	4	13	12	V	8.1	0.5	3.22	51
250051004	2011	4	13	13	V	12.0	0.5	3.46	44
250051004	2011	4	13	14	V	8.4	0.5	4.27	17
250051004	2011	4	13	15	V	3.4	0.5	3.64	16
250051004	2011	4	13	16	V	2.4	0.8	3.86	15
250051004	2011	4	13	17	V	3.6	0.7	3.86	20
250051004	2011	4	13	18	V	2.5	0.6	4.19	2
250051004	2011	4	13	19	V	2.3	0.6	4.8	3
250051004	2011	4	13	20	V	2.0	0.6	3.86	360
250051004	2011	4	13	21	V	2.3	0.7	4.44	13
250051004	2011	4	13	22	V	2.1	0.7	4.07	8
250051004	2011	4	13	23	V	2.6	0.7	4.61	1
250051004	2011	4	13	24	V	2.8	0.6	4.02	359
250051004	2011	4	14	1	V	5.5	0.6	4.15	358
250051004	2011	4	14	2	V	8.5	0.7	3.54	329
250051004	2011	4	14	3	V	4.7	1.5	2.49	338
250051004	2011	4	14	4	V	5.4	2	2.47	324
250051004	2011	4	14	5	V	4.8	2.1	2.38	316
250051004	2011	4	14	6	V	5.0	3.6	1.64	311
250051004	2011	4	14	7	V	7.3	3.2	1.81	269
250051004	2011	4	14	8	V	18.8	2.4	2.54	313
250051004	2011	4	14	9	V	12.9	10.6	4.92	336
250051004	2011	4	14	10	V	35.1	7.4	5.21	329
250051004	2011	4	14	11	V	12.1	14.1	5.7	341
250051004	2011	4	14	12	V	26.7	7.6	4.92	336

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	14	13	V	12.3	8.5	6.35	348
250051004	2011	4	14	14	V	8.4	16.4	5.62	352
250051004	2011	4	14	15	V	3.4	3	5.21	351
250051004	2011	4	14	16	V	2.4	2.2	4.17	351
250051004	2011	4	14	17	V	3.6	1.4	3.64	3
250051004	2011	4	14	18	V	2.5	1.2	5.02	158
250051004	2011	4	14	19	V	2.3	0.9	3	154
250051004	2011	4	14	20	V	2.0	0.7	1.5	138
250051004	2011	4	14	21	V	2.3	0.9	1.96	45
250051004	2011	4	14	22	V	2.1	1.1	3.98	8
250051004	2011	4	14	23	V	2.6	0.8	7.35	18
250051004	2011	4	14	24	V	2.8	0.6	4.99	16
250051004	2011	4	15	1	V	5.5	0.5	5.34	3
250051004	2011	4	15	2	V	8.4	0.7	5.31	6
250051004	2011	4	15	3	V	4.7	0.9	5.72	11
250051004	2011	4	15	4	V	5.4	1.4	5.79	4
250051004	2011	4	15	5	V	4.8	1	5.43	6
250051004	2011	4	15	6	V	5.0	0.4	6.01	21
250051004	2011	4	15	7	V	6.8	0.7	6.77	35
250051004	2011	4	15	8	V	6.1	0.3	6.4	43
250051004	2011	4	15	9	V	5.8	0.1	5.14	49
250051004	2011	4	15	10	V	5.5	0.1	5.19	45
250051004	2011	4	15	11	V	9.3	0	4.39	43
250051004	2011	4	15	12	V	7.9	0.2	4.34	66
250051004	2011	4	15	13	V	11.9	0	3.71	59
250051004	2011	4	15	14	V	8.4	0.1	3.27	64
250051004	2011	4	15	15	V	3.3	0	4.7	102
250051004	2011	4	15	16	V	2.3	0	5.44	125
250051004	2011	4	15	17	V	3.6	0.1	5.67	111
250051004	2011	4	15	18	V	2.5	0.3	5.55	136
250051004	2011	4	15	19	V	2.3	0.2	4.12	132
250051004	2011	4	15	20	V	2.0	0.3	2.98	133
250051004	2011	4	15	21	V	2.3	0.2	3.1	136
250051004	2011	4	15	22	V	2.1	-999	2.23	129
250051004	2011	4	15	23	V	2.6	0	1.52	124
250051004	2011	4	15	24	V	2.8	0.1	2.2	90
250051004	2011	4	16	1	V	5.5	0.1	2.59	55
250051004	2011	4	16	2	V	8.4	0.1	2.66	60
250051004	2011	4	16	3	V	4.7	0.3	2.25	52
250051004	2011	4	16	4	V	5.4	0.3	2.88	37
250051004	2011	4	16	5	V	4.8	0.2	2.91	60
250051004	2011	4	16	6	V	5.0	0.1	2.81	64
250051004	2011	4	16	7	V	6.8	0.5	3.47	71
250051004	2011	4	16	8	V	6.1	0.3	4.65	87
250051004	2011	4	16	9	V	5.8	0.3	6.46	96
250051004	2011	4	16	10	V	5.4	0	7.16	106

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	16	11	V	9.3	0	7.6	107
250051004	2011	4	16	12	V	7.8	0.1	6.5	108
250051004	2011	4	16	13	V	11.8	0.2	6.79	107
250051004	2011	4	16	14	V	8.3	0.3	7.52	98
250051004	2011	4	16	15	V	3.3	0.3	7.18	100
250051004	2011	4	16	16	V	2.3	0.3	6.65	107
250051004	2011	4	16	17	V	3.6	0.4	6.3	102
250051004	2011	4	16	18	V	2.5	0.4	6.02	104
250051004	2011	4	16	19	V	2.3	0.4	4.87	113
250051004	2011	4	16	20	V	2.0	0.5	5.61	115
250051004	2011	4	16	21	V	2.3	0.5	6.48	130
250051004	2011	4	16	22	V	2.1	0.5	8.2	132
250051004	2011	4	16	23	V	2.6	0.6	9.98	124
250051004	2011	4	16	24	V	2.8	0.7	11.11	128
250051004	2011	4	17	1	V	5.5	0.8	9.42	139
250051004	2011	4	17	2	V	8.4	1	9.27	134
250051004	2011	4	17	3	V	4.7	1	11.06	140
250051004	2011	4	17	4	V	5.4	1.2	11.74	162
250051004	2011	4	17	5	V	4.8	1.1	9.42	178
250051004	2011	4	17	6	V	5.0	1	7.23	201
250051004	2011	4	17	7	V	6.8	1.1	5.76	227
250051004	2011	4	17	8	V	6.1	1.1	6.7	239
250051004	2011	4	17	9	V	5.8	1.5	7.35	242
250051004	2011	4	17	10	V	5.4	1.8	9.2	251
250051004	2011	4	17	11	V	9.3	1.9	9.13	245
250051004	2011	4	17	12	V	7.8	1.9	8.49	250
250051004	2011	4	17	13	V	11.8	1.8	6.97	265
250051004	2011	4	17	14	V	8.3	1.7	6.3	301
250051004	2011	4	17	15	V	3.3	1.4	6.31	275
250051004	2011	4	17	16	V	2.3	1.3	8.57	260
250051004	2011	4	17	17	V	3.6	1	8.52	233
250051004	2011	4	17	18	V	2.5	1	8.06	226
250051004	2011	4	17	19	V	2.3	0.9	6.4	224
250051004	2011	4	17	20	V	2.0	0.8	5.97	208
250051004	2011	4	17	21	V	2.3	0.8	5.87	221
250051004	2011	4	17	22	V	2.1	0.8	6.8	213
250051004	2011	4	17	23	V	2.6	0.8	3.9	239
250051004	2011	4	17	24	V	2.8	1.1	3.92	197
250051004	2011	4	18	1	V	5.5	5.8	4.1	203
250051004	2011	4	18	2	V	8.4	13.6	2.52	264
250051004	2011	4	18	3	V	4.7	2	2.84	296
250051004	2011	4	18	4	V	5.4	2	2.4	274
250051004	2011	4	18	5	V	4.8	1.7	2.06	237
250051004	2011	4	18	6	V	5.0	1.5	2.06	243
250051004	2011	4	18	7	V	6.8	1.5	3.07	257
250051004	2011	4	18	8	V	6.1	0.9	5.92	257

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	18	9	V	5.8	0.6	8.05	258
250051004	2011	4	18	10	V	5.5	0.8	7.32	262
250051004	2011	4	18	11	V	9.3	0.8	6.99	260
250051004	2011	4	18	12	V	7.8	0.8	7.37	253
250051004	2011	4	18	13	V	11.9	1.1	6.07	251
250051004	2011	4	18	14	V	8.4	0.9	7.21	252
250051004	2011	4	18	15	V	3.3	0.8	7.14	226
250051004	2011	4	18	16	V	2.4	0.8	6.33	215
250051004	2011	4	18	17	V	3.6	0.9	5.53	202
250051004	2011	4	18	18	V	2.5	1	5.36	191
250051004	2011	4	18	19	V	2.3	1.2	4.27	207
250051004	2011	4	18	20	V	2.0	1.3	3.78	199
250051004	2011	4	18	21	V	2.3	1	3.03	206
250051004	2011	4	18	22	V	2.1	-999	3.23	198
250051004	2011	4	18	23	V	2.6	0.9	2.15	159
250051004	2011	4	18	24	V	2.8	0.9	2.84	160
250051004	2011	4	19	1	V	5.5	0.7	2.91	170
250051004	2011	4	19	2	V	8.4	1.1	1.67	188
250051004	2011	4	19	3	V	4.7	1.3	1.67	150
250051004	2011	4	19	4	V	5.4	6.4	0.91	105
250051004	2011	4	19	5	V	4.8	4.5	1.38	156
250051004	2011	4	19	6	V	5.0	2.6	1.28	225
250051004	2011	4	19	7	V	6.8	2.6	0.87	75
250051004	2011	4	19	8	V	6.1	5.5	2.2	352
250051004	2011	4	19	9	V	5.8	2.5	3.97	12
250051004	2011	4	19	10	V	5.4	1.9	5.6	22
250051004	2011	4	19	11	V	9.3	1.9	6.4	21
250051004	2011	4	19	12	V	7.8	3.3	5.24	31
250051004	2011	4	19	13	V	11.9	2.9	5.67	11
250051004	2011	4	19	14	V	8.4	1.4	5.27	21
250051004	2011	4	19	15	V	3.3	1.1	4.17	2
250051004	2011	4	19	16	V	2.4	1.1	3.81	20
250051004	2011	4	19	17	V	3.6	0.8	4.73	44
250051004	2011	4	19	18	V	2.5	0.6	4.73	58
250051004	2011	4	19	19	V	2.3	0.7	4.39	74
250051004	2011	4	19	20	V	2.0	0.3	3.03	81
250051004	2011	4	19	21	V	2.3	0.4	3.68	57
250051004	2011	4	19	22	V	2.1	0.5	3.15	27
250051004	2011	4	19	23	V	2.6	0.5	3.42	30
250051004	2011	4	19	24	V	2.8	0.5	4.09	27
250051004	2011	4	20	1	V	5.5	0.5	4.37	28
250051004	2011	4	20	2	V	8.4	0.6	4.05	28
250051004	2011	4	20	3	V	4.7	0.7	4.37	30
250051004	2011	4	20	4	V	5.4	0.6	4.65	36
250051004	2011	4	20	5	V	4.8	0.6	4.53	47
250051004	2011	4	20	6	V	5.0	0.8	3.68	54

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	20	7	V	6.8	0.7	3.47	61
250051004	2011	4	20	8	V	6.1	0.6	3.44	60
250051004	2011	4	20	9	V	5.9	0.6	3.37	54
250051004	2011	4	20	10	V	5.6	0.7	3.37	36
250051004	2011	4	20	11	V	9.5	0.9	3.2	35
250051004	2011	4	20	12	V	8.1	0.8	2.96	11
250051004	2011	4	20	13	V	12.1	0.8	3.07	27
250051004	2011	4	20	14	V	9.4	1.1	1.74	37
250051004	2011	4	20	15	V	6.0	4.6	1.25	15
250051004	2011	4	20	16	V	15.3	14.7	1.94	345
250051004	2011	4	20	17	V	4.8	7.8	1.59	117
250051004	2011	4	20	18	V	2.5	3	2.04	149
250051004	2011	4	20	19	V	2.3	2.3	1.98	152
250051004	2011	4	20	20	V	2.0	1.8	2.3	169
250051004	2011	4	20	21	V	2.3	1.1	2.52	146
250051004	2011	4	20	22	V	2.1	0.9	1.96	141
250051004	2011	4	20	23	V	2.6	0.9	1.93	95
250051004	2011	4	20	24	V	2.8	1.2	4.14	355
250051004	2011	4	21	1	V	5.5	1.1	2.98	352
250051004	2011	4	21	2	V	8.4	1.1	2.55	336
250051004	2011	4	21	3	V	4.7	2.9	1.88	303
250051004	2011	4	21	4	V	5.4	3.3	3.12	318
250051004	2011	4	21	5	V	4.8	2.8	3.93	309
250051004	2011	4	21	6	V	5.0	6.1	4.8	314
250051004	2011	4	21	7	V	6.8	3	4.58	301
250051004	2011	4	21	8	V	6.1	1.2	7.62	289
250051004	2011	4	21	9	V	5.8	0.9	9.22	287
250051004	2011	4	21	10	V	5.5	1.3	9.42	288
250051004	2011	4	21	11	V	9.3	0.8	8.52	279
250051004	2011	4	21	12	V	7.9	0.8	9.15	297
250051004	2011	4	21	13	V	11.9	1.2	9.59	294
250051004	2011	4	21	14	V	8.4	1.3	10.02	289
250051004	2011	4	21	15	V	3.3	1.1	10.51	292
250051004	2011	4	21	16	V	2.4	1.5	10.68	297
250051004	2011	4	21	17	V	3.7	2.3	9.63	305
250051004	2011	4	21	18	V	9.7	21.1	8.54	318
250051004	2011	4	21	19	V	2.5	14.7	7.28	317
250051004	2011	4	21	20	V	2.0	13.5	5.85	316
250051004	2011	4	21	21	V	2.3	6.5	5.96	349
250051004	2011	4	21	22	V	2.1	-999	3.86	310
250051004	2011	4	21	23	V	2.6	24.2	2.86	289
250051004	2011	4	21	24	V	2.8	10.1	3.59	318
250051004	2011	4	22	1	V	5.5	9	4	328
250051004	2011	4	22	2	V	8.4	12.8	3.69	320
250051004	2011	4	22	3	V	4.7	14.3	3.2	329
250051004	2011	4	22	4	V	5.4	4	2.25	322

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	22	5	V	4.8	5.5	1.76	285
250051004	2011	4	22	6	V	5.0	3.1	1.69	298
250051004	2011	4	22	7	V	33.6	5.2	3.06	329
250051004	2011	4	22	8	V	6.1	2.7	4.37	355
250051004	2011	4	22	9	V	5.9	-999	3.44	15
250051004	2011	4	22	10	V	5.5	-999	3.57	25
250051004	2011	4	22	11	V	9.5	0.6	2.71	49
250051004	2011	4	22	12	V	8.5	0.6	2.25	62
250051004	2011	4	22	13	V	12.0	1	2.4	118
250051004	2011	4	22	14	V	8.5	1.2	2.73	194
250051004	2011	4	22	15	V	3.4	0.5	3.97	179
250051004	2011	4	22	16	V	2.4	0.2	7.13	156
250051004	2011	4	22	17	V	3.6	0.3	6.31	162
250051004	2011	4	22	18	V	2.5	0.2	5.41	175
250051004	2011	4	22	19	V	2.3	0.3	4.48	201
250051004	2011	4	22	20	V	2.0	0.4	4.02	198
250051004	2011	4	22	21	V	2.3	0.3	3.22	196
250051004	2011	4	22	22	V	2.1	0.3	2.74	199
250051004	2011	4	22	23	V	2.6	0.2	2.62	179
250051004	2011	4	22	24	V	2.8	0.2	1.86	184
250051004	2011	4	23	1	V	5.5	0.4	2.56	174
250051004	2011	4	23	2	V	8.4	0.6	3.95	168
250051004	2011	4	23	3	V	4.7	0.2	4.59	147
250051004	2011	4	23	4	V	5.4	0.2	4.27	137
250051004	2011	4	23	5	V	4.8	0.3	4.8	153
250051004	2011	4	23	6	V	5.0	0.3	5.24	145
250051004	2011	4	23	7	V	6.8	0.4	4.27	135
250051004	2011	4	23	8	V	6.1	0.4	5.97	142
250051004	2011	4	23	9	V	5.8	0.4	6.92	144
250051004	2011	4	23	10	V	5.5	0.3	6.45	145
250051004	2011	4	23	11	V	9.3	0.3	7.09	150
250051004	2011	4	23	12	V	7.8	0.5	8.85	155
250051004	2011	4	23	13	V	11.9	0.5	6.97	164
250051004	2011	4	23	14	V	8.4	0.4	6.47	163
250051004	2011	4	23	15	V	3.3	0.5	4.27	168
250051004	2011	4	23	16	V	2.4	0.5	4.27	197
250051004	2011	4	23	17	V	3.6	0.4	4.8	196
250051004	2011	4	23	18	V	2.5	0.7	4.48	196
250051004	2011	4	23	19	V	2.3	0.6	2.83	204
250051004	2011	4	23	20	V	2.0	0.7	2.59	182
250051004	2011	4	23	21	V	2.3	0.7	2.08	194
250051004	2011	4	23	22	V	2.1	0.6	2.93	230
250051004	2011	4	23	23	V	2.6	0.6	2.45	183
250051004	2011	4	23	24	V	2.8	0.5	3.63	180
250051004	2011	4	24	1	V	5.5	0.6	2.91	188
250051004	2011	4	24	2	V	8.4	0.7	1.79	184

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	24	3	V	4.7	0.6	1.52	249
250051004	2011	4	24	4	V	5.4	0.6	1.65	218
250051004	2011	4	24	5	V	4.8	0.5	2.15	170
250051004	2011	4	24	6	V	5.0	0.5	1.72	174
250051004	2011	4	24	7	V	6.8	0.7	2.93	262
250051004	2011	4	24	8	V	6.5	0.7	2.47	283
250051004	2011	4	24	9	V	6.2	0.9	2.79	286
250051004	2011	4	24	10	V	6.2	1.1	2.67	262
250051004	2011	4	24	11	V	9.7	1.2	3.24	251
250051004	2011	4	24	12	V	7.9	1.1	3.76	201
250051004	2011	4	24	13	V	12.2	1.1	3.07	225
250051004	2011	4	24	14	V	8.4	1	4.34	154
250051004	2011	4	24	15	V	3.3	1.1	5.6	150
250051004	2011	4	24	16	V	2.5	1.3	2.83	140
250051004	2011	4	24	17	V	3.6	1.4	2.16	125
250051004	2011	4	24	18	V	2.5	1.3	1.26	305
250051004	2011	4	24	19	V	2.3	1.1	3.07	360
250051004	2011	4	24	20	V	2.0	1.2	1.33	45
250051004	2011	4	24	21	V	2.3	1.3	1.09	64
250051004	2011	4	24	22	V	2.1	-999	2.22	22
250051004	2011	4	24	23	V	2.6	1.5	2.71	18
250051004	2011	4	24	24	V	2.8	1	1.91	35
250051004	2011	4	25	1	V	5.5	0.8	2.57	154
250051004	2011	4	25	2	V	8.4	0.6	1.11	203
250051004	2011	4	25	3	V	4.7	0.6	0.91	331
250051004	2011	4	25	4	V	5.4	-999	1.74	28
250051004	2011	4	25	5	V	4.8	1.4	1.89	356
250051004	2011	4	25	6	V	5.0	1.2	2.71	18
250051004	2011	4	25	7	V	6.9	1.6	2.38	46
250051004	2011	4	25	8	V	6.1	1.1	1.28	63
250051004	2011	4	25	9	V	5.9	1.4	2.56	18
250051004	2011	4	25	10	V	5.5	1.5	3.76	33
250051004	2011	4	25	11	V	10.0	-999	2.33	61
250051004	2011	4	25	12	V	9.4	-999	2.06	79
250051004	2011	4	25	13	V	13.3	-999	2.49	75
250051004	2011	4	25	14	V	9.5	-999	1.84	82
250051004	2011	4	25	15	V	3.7	1.6	3.07	127
250051004	2011	4	25	16	V	2.4	1.2	4	158
250051004	2011	4	25	17	V	3.6	1	4.19	154
250051004	2011	4	25	18	V	2.5	0.9	2.86	154
250051004	2011	4	25	19	V	2.3	0.7	4.08	164
250051004	2011	4	25	20	V	2.0	0.5	3.13	160
250051004	2011	4	25	21	V	2.3	0.5	2.01	129
250051004	2011	4	25	22	V	2.1	0.4	2.45	83
250051004	2011	4	25	23	V	2.6	0.5	2.9	70
250051004	2011	4	25	24	V	2.8	0.5	2.61	67

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	26	1	V	5.5	0.5	2.01	105
250051004	2011	4	26	2	V	8.4	0.5	2.67	154
250051004	2011	4	26	3	V	4.7	0.7	3.15	161
250051004	2011	4	26	4	V	5.4	0.6	2.47	179
250051004	2011	4	26	5	V	4.8	1.5	2.16	169
250051004	2011	4	26	6	V	5.0	2.3	2.59	167
250051004	2011	4	26	7	V	6.8	5.2	3.83	179
250051004	2011	4	26	8	V	6.1	5.9	3.18	181
250051004	2011	4	26	9	V	6.5	6.8	2.96	184
250051004	2011	4	26	10	V	5.6	4.7	4.25	208
250051004	2011	4	26	11	V	9.4	5.1	5.33	186
250051004	2011	4	26	12	V	7.9	3.9	5.63	181
250051004	2011	4	26	13	V	11.9	2.3	6.77	151
250051004	2011	4	26	14	V	8.4	0.9	8.03	151
250051004	2011	4	26	15	V	3.4	0.8	7.13	150
250051004	2011	4	26	16	V	2.4	0.7	4.87	143
250051004	2011	4	26	17	V	3.7	0.7	5.82	151
250051004	2011	4	26	18	V	2.5	0.7	8.46	215
250051004	2011	4	26	19	V	2.3	0.4	6.54	213
250051004	2011	4	26	20	V	2.0	0.5	5.75	202
250051004	2011	4	26	21	V	2.3	0.5	3.83	149
250051004	2011	4	26	22	V	2.1	0.5	4.05	171
250051004	2011	4	26	23	V	2.6	0.5	4.54	184
250051004	2011	4	26	24	V	2.8	0.5	6.38	209
250051004	2011	4	27	1	V	5.5	0.9	6.24	211
250051004	2011	4	27	2	V	8.4	5	5.33	211
250051004	2011	4	27	3	V	4.7	4.1	4.1	207
250051004	2011	4	27	4	V	5.4	4.6	4.83	206
250051004	2011	4	27	5	V	4.8	4.1	5.04	187
250051004	2011	4	27	6	V	5.0	3.4	5.17	208
250051004	2011	4	27	7	V	6.8	4	5.24	198
250051004	2011	4	27	8	V	6.1	3	4.54	210
250051004	2011	4	27	9	V	5.8	1.7	4.8	228
250051004	2011	4	27	10	V	5.5	2.2	5.07	225
250051004	2011	4	27	11	V	9.4	3.4	6.57	230
250051004	2011	4	27	12	V	7.9	3.7	6.48	205
250051004	2011	4	27	13	V	11.9	4.7	6.07	164
250051004	2011	4	27	14	V	8.4	2.4	6.26	203
250051004	2011	4	27	15	V	3.3	0.9	5.62	166
250051004	2011	4	27	16	V	2.4	0.8	5.71	196
250051004	2011	4	27	17	V	3.6	0.7	4.9	176
250051004	2011	4	27	18	V	2.5	0.6	5.12	176
250051004	2011	4	27	19	V	2.3	0.6	5.7	193
250051004	2011	4	27	20	V	2.0	0.5	4.27	180
250051004	2011	4	27	21	V	2.3	0.5	6.96	196
250051004	2011	4	27	22	V	2.1	-999	8.56	202

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	27	23	V	2.6	0.6	8.11	204
250051004	2011	4	27	24	V	2.8	0.5	6.77	208
250051004	2011	4	28	1	V	5.5	4.5	9.76	208
250051004	2011	4	28	2	V	8.4	3.1	8.32	203
250051004	2011	4	28	3	V	4.7	3.2	6.8	191
250051004	2011	4	28	4	V	5.4	4	7.6	195
250051004	2011	4	28	5	V	4.8	2.9	9.88	201
250051004	2011	4	28	6	V	5.0	2.5	10.34	201
250051004	2011	4	28	7	V	6.9	1.5	10.36	205
250051004	2011	4	28	8	V	6.1	1.7	10.14	204
250051004	2011	4	28	9	V	5.8	2.5	10.77	201
250051004	2011	4	28	10	V	5.5	2.1	10.38	195
250051004	2011	4	28	11	V	9.3	1.8	11.29	199
250051004	2011	4	28	12	V	7.8	2.2	10.63	203
250051004	2011	4	28	13	V	11.9	1.1	10.99	202
250051004	2011	4	28	14	V	8.4	0.9	11.92	199
250051004	2011	4	28	15	V	3.3	1	11.04	207
250051004	2011	4	28	16	V	2.4	1	7.57	210
250051004	2011	4	28	17	V	3.6	1	8.15	195
250051004	2011	4	28	18	V	2.5	1	8.4	212
250051004	2011	4	28	19	V	2.3	0.8	5.5	214
250051004	2011	4	28	20	V	2.0	1	6.13	205
250051004	2011	4	28	21	V	2.3	0.9	4.65	220
250051004	2011	4	28	22	V	2.1	1	5.75	216
250051004	2011	4	28	23	V	2.6	1.2	4.65	225
250051004	2011	4	28	24	V	2.8	1	3.17	232
250051004	2011	4	29	1	V	5.5	1	1.48	186
250051004	2011	4	29	2	V	8.4	4.9	1.3	226
250051004	2011	4	29	3	V	4.7	2.3	3	159
250051004	2011	4	29	4	V	5.4	1.2	1.04	225
250051004	2011	4	29	5	V	4.8	1.5	1.35	272
250051004	2011	4	29	6	V	5.0	1.2	2.54	300
250051004	2011	4	29	7	V	33.7	3.3	1.74	335
250051004	2011	4	29	8	V	43.3	2	0.91	356
250051004	2011	4	29	9	V	10.5	6.4	1.43	264
250051004	2011	4	29	10	V	5.7	3.6	3.97	247
250051004	2011	4	29	11	V	9.4	2.2	5.07	177
250051004	2011	4	29	12	V	7.9	4.6	6.52	187
250051004	2011	4	29	13	V	11.9	1.8	7.25	214
250051004	2011	4	29	14	V	8.4	1.6	8.27	206
250051004	2011	4	29	15	V	3.4	1.8	7.99	214
250051004	2011	4	29	16	V	2.4	2	7.14	214
250051004	2011	4	29	17	V	3.6	1.6	5.87	201
250051004	2011	4	29	18	V	2.5	1.8	6.41	200
250051004	2011	4	29	19	V	2.3	1.8	4.31	207
250051004	2011	4	29	20	V	2.0	1.5	4.6	298

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	4	29	21	V	2.3	1.7	3.85	303
250051004	2011	4	29	22	V	2.1	4.5	4.46	324
250051004	2011	4	29	23	V	2.6	8.1	4.05	317
250051004	2011	4	29	24	V	2.9	10.9	3.57	325
250051004	2011	4	30	1	V	5.5	9.1	3.71	325
250051004	2011	4	30	2	V	8.4	1.8	4.1	342
250051004	2011	4	30	3	V	4.7	1	3.39	337
250051004	2011	4	30	4	V	5.4	0.9	4.78	354
250051004	2011	4	30	5	V	4.8	0.9	4.99	353
250051004	2011	4	30	6	V	5.0	0.9	4.41	346
250051004	2011	4	30	7	V	8.9	0.9	4.14	333
250051004	2011	4	30	8	V	10.5	1.1	5.02	338
250051004	2011	4	30	9	V	5.8	0.4	5.21	354
250051004	2011	4	30	10	V	5.6	0.9	4.34	353
250051004	2011	4	30	11	V	23.9	5.8	3.83	339
250051004	2011	4	30	12	V	8.3	2.3	4.49	351
250051004	2011	4	30	13	V	12.2	1.2	5.07	352
250051004	2011	4	30	14	V	12.3	0.8	5.07	343
250051004	2011	4	30	15	V	9.8	0.6	4.75	339
250051004	2011	4	30	16	V	2.7	0.5	4.29	351
250051004	2011	4	30	17	V	3.7	0.6	4.07	360
250051004	2011	4	30	18	V	2.5	0.6	3.3	91
250051004	2011	4	30	19	V	2.3	0.7	3.95	168
250051004	2011	4	30	20	V	2.0	0.8	3.1	190
250051004	2011	4	30	21	V	2.3	0.7	2.04	216
250051004	2011	4	30	22	V	2.1	-999	1.43	244
250051004	2011	4	30	23	V	2.6	0.6	0.92	215
250051004	2011	4	30	24	V	2.8	0.7	2.37	331
250051004	2011	5	1	1	V	5.5	0.5	2.89	19
250051004	2011	5	1	2	V	8.4	1.4	2.1	337
250051004	2011	5	1	3	V	4.7	1.1	2.3	333
250051004	2011	5	1	4	V	5.4	0.9	1.65	290
250051004	2011	5	1	5	V	4.8	1	3.71	350
250051004	2011	5	1	6	V	5.0	1.1	3.92	6
250051004	2011	5	1	7	V	6.9	1.2	4.56	18
250051004	2011	5	1	8	V	6.1	1	6.12	28
250051004	2011	5	1	9	V	5.9	0.5	6.04	26
250051004	2011	5	1	10	V	5.5	0.5	5.97	28
250051004	2011	5	1	11	V	9.4	0.6	6.16	37
250051004	2011	5	1	12	V	7.9	0.4	6.26	39
250051004	2011	5	1	13	V	11.9	0.6	6.16	51
250051004	2011	5	1	14	V	8.4	0.7	6.04	42
250051004	2011	5	1	15	V	3.4	0.6	5.62	50
250051004	2011	5	1	16	V	2.4	0.5	5.28	77
250051004	2011	5	1	17	V	3.7	0.5	5.53	98
250051004	2011	5	1	18	V	2.5	0.3	4.75	100

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	1	19	V	2.3	0.5	3.66	106
250051004	2011	5	1	20	V	2.0	0.5	1.38	156
250051004	2011	5	1	21	V	2.3	0.4	2.44	213
250051004	2011	5	1	22	V	2.1	0.5	2.44	250
250051004	2011	5	1	23	V	2.6	0.7	2.13	272
250051004	2011	5	1	24	V	2.8	0.4	2.66	268
250051004	2011	5	2	1	V	5.5	0.6	2.18	272
250051004	2011	5	2	2	V	8.4	0.4	1.26	263
250051004	2011	5	2	3	V	4.7	0.6	1.38	261
250051004	2011	5	2	4	V	5.4	1.3	1.2	263
250051004	2011	5	2	5	V	4.8	0.9	1.06	234
250051004	2011	5	2	6	V	5.0	1.7	1.64	253
250051004	2011	5	2	7	V	7.2	-999	1.62	251
250051004	2011	5	2	8	V	7.2	-999	1.65	248
250051004	2011	5	2	9	V	7.0	-999	2.11	212
250051004	2011	5	2	10	V	6.5	0	2.32	162
250051004	2011	5	2	11	V	9.5	0.4	4.14	152
250051004	2011	5	2	12	V	7.9	0.7	6.21	148
250051004	2011	5	2	13	V	11.9	0.6	6.82	148
250051004	2011	5	2	14	V	8.5	1	5.97	134
250051004	2011	5	2	15	V	3.4	1.3	4.65	125
250051004	2011	5	2	16	V	2.6	1.3	3.18	219
250051004	2011	5	2	17	V	3.7	1.4	5.65	200
250051004	2011	5	2	18	V	2.5	1.2	5.21	218
250051004	2011	5	2	19	V	2.3	1.3	4.49	211
250051004	2011	5	2	20	V	2.0	1	4.05	206
250051004	2011	5	2	21	V	2.3	1.1	3.29	203
250051004	2011	5	2	22	V	2.1	0.9	2.79	207
250051004	2011	5	2	23	V	2.6	0.7	2.39	185
250051004	2011	5	2	24	V	2.8	0.8	1.64	180
250051004	2011	5	3	1	V	5.5	1.2	1.31	182
250051004	2011	5	3	2	V	8.4	8.3	1.93	159
250051004	2011	5	3	3	V	4.7	1	1.93	199
250051004	2011	5	3	4	V	5.4	0.8	1.67	174
250051004	2011	5	3	5	V	4.8	0.8	2.18	211
250051004	2011	5	3	6	V	5.0	2.3	1.38	192
250051004	2011	5	3	7	V	6.9	1.6	2.06	173
250051004	2011	5	3	8	V	6.9	1.3	1.99	165
250051004	2011	5	3	9	V	6.1	2	3.03	146
250051004	2011	5	3	10	V	5.9	1.5	3.85	157
250051004	2011	5	3	11	V	9.4	1.2	5.79	153
250051004	2011	5	3	12	V	7.9	0.8	6.79	163
250051004	2011	5	3	13	V	11.9	1	7.08	165
250051004	2011	5	3	14	V	8.4	1	7.31	168
250051004	2011	5	3	15	V	3.4	0.8	7.23	165
250051004	2011	5	3	16	V	2.4	0.8	6.58	166

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	3	17	V	3.7	0.8	6.3	169
250051004	2011	5	3	18	V	2.5	1.1	6.06	164
250051004	2011	5	3	19	V	2.3	0.7	5.22	160
250051004	2011	5	3	20	V	2.0	0.9	4.7	156
250051004	2011	5	3	21	V	2.3	0.8	3.32	158
250051004	2011	5	3	22	V	2.1	-999	2.96	148
250051004	2011	5	3	23	V	2.6	0.7	3.08	146
250051004	2011	5	3	24	V	2.8	0.7	3.22	158
250051004	2011	5	4	1	V	5.5	0.8	3.59	162
250051004	2011	5	4	2	V	8.4	0.8	3.37	155
250051004	2011	5	4	3	V	4.7	0.9	4.02	150
250051004	2011	5	4	4	V	5.4	1.3	3.95	142
250051004	2011	5	4	5	V	4.8	1.9	4.03	171
250051004	2011	5	4	6	V	5.0	3.3	5.55	191
250051004	2011	5	4	7	V	6.9	5.1	4.97	210
250051004	2011	5	4	8	V	6.1	4.9	3.52	214
250051004	2011	5	4	9	V	5.8	4.1	3.39	174
250051004	2011	5	4	10	V	5.5	6.2	2.52	178
250051004	2011	5	4	11	V	9.4	5.2	2.45	214
250051004	2011	5	4	12	V	7.9	2.9	2.25	211
250051004	2011	5	4	13	V	11.9	2.6	3.71	141
250051004	2011	5	4	14	V	8.4	1.6	4.68	156
250051004	2011	5	4	15	V	3.3	1.3	3.39	228
250051004	2011	5	4	16	V	2.5	1.8	3.37	300
250051004	2011	5	4	17	V	3.8	1.5	2.69	300
250051004	2011	5	4	18	V	3.2	1.6	2.5	340
250051004	2011	5	4	19	V	2.3	1.5	3.07	290
250051004	2011	5	4	20	V	2.0	1.3	4.68	293
250051004	2011	5	4	21	V	2.3	1.2	4.68	297
250051004	2011	5	4	22	V	2.1	2	4.02	300
250051004	2011	5	4	23	V	2.6	5	4.1	310
250051004	2011	5	4	24	V	2.8	5.1	4.1	309
250051004	2011	5	5	1	V	5.5	5.5	4.32	312
250051004	2011	5	5	2	V	8.4	3.4	4.48	309
250051004	2011	5	5	3	V	4.7	2.5	4.34	307
250051004	2011	5	5	4	V	5.4	1.8	3.86	295
250051004	2011	5	5	5	V	4.8	1.4	3.83	286
250051004	2011	5	5	6	V	5.0	1.8	3.88	279
250051004	2011	5	5	7	V	6.9	2.1	5.72	291
250051004	2011	5	5	8	V	6.2	2.7	6.5	306
250051004	2011	5	5	9	V	6.0	2.9	6.86	306
250051004	2011	5	5	10	V	5.5	1.9	6.58	302
250051004	2011	5	5	11	V	9.4	1.4	6.63	292
250051004	2011	5	5	12	V	7.9	1.5	6.36	280
250051004	2011	5	5	13	V	11.9	4.5	6.45	297
250051004	2011	5	5	14	V	8.4	1.5	7.16	284

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	5	15	V	5.7	6.4	6.75	312
250051004	2011	5	5	16	V	2.4	3	5.19	298
250051004	2011	5	5	17	V	3.6	1.2	7.5	295
250051004	2011	5	5	18	V	2.5	1.9	6.18	306
250051004	2011	5	5	19	V	2.3	5.2	6.91	300
250051004	2011	5	5	20	V	2.0	2.5	3.91	311
250051004	2011	5	5	21	V	2.3	10	3.1	319
250051004	2011	5	5	22	V	2.1	3.1	1.84	276
250051004	2011	5	5	23	V	2.6	3.4	2.05	265
250051004	2011	5	5	24	V	2.8	1.4	2.44	226
250051004	2011	5	6	1	V	5.5	7.9	2.73	226
250051004	2011	5	6	2	V	8.4	21.5	3.1	220
250051004	2011	5	6	3	V	4.7	7.9	4.37	216
250051004	2011	5	6	4	V	5.4	3.5	3.9	234
250051004	2011	5	6	5	V	4.8	4.2	4.02	247
250051004	2011	5	6	6	V	5.0	2	3.88	246
250051004	2011	5	6	7	V	6.9	1.8	5.9	241
250051004	2011	5	6	8	V	6.1	2.9	5.67	240
250051004	2011	5	6	9	V	5.9	1.8	5.82	240
250051004	2011	5	6	10	V	5.5	1.6	6.58	237
250051004	2011	5	6	11	V	9.5	5	6.35	239
250051004	2011	5	6	12	V	7.9	2.8	6.57	216
250051004	2011	5	6	13	V	11.9	1.3	8.59	215
250051004	2011	5	6	14	V	8.4	1.4	8.59	204
250051004	2011	5	6	15	V	3.3	1.2	9.3	202
250051004	2011	5	6	16	V	2.4	1.3	9.25	207
250051004	2011	5	6	17	V	3.6	1.3	8.15	209
250051004	2011	5	6	18	V	2.5	1.9	7.28	203
250051004	2011	5	6	19	V	2.3	2	5.85	204
250051004	2011	5	6	20	V	2.0	1.5	4.65	203
250051004	2011	5	6	21	V	2.3	1.3	4.27	214
250051004	2011	5	6	22	V	2.1	-999	3.51	197
250051004	2011	5	6	23	V	2.6	1.1	3.07	201
250051004	2011	5	6	24	V	2.8	1.2	3.34	203
250051004	2011	5	7	1	V	5.5	1.3	2.61	189
250051004	2011	5	7	2	V	8.4	1.2	2.52	163
250051004	2011	5	7	3	V	4.7	1.3	2.44	164
250051004	2011	5	7	4	V	5.4	1.5	2.57	165
250051004	2011	5	7	5	V	4.8	1.3	2.42	162
250051004	2011	5	7	6	V	5.0	1.2	3.1	164
250051004	2011	5	7	7	V	6.8	1.1	4.32	158
250051004	2011	5	7	8	V	6.1	1	4.37	164
250051004	2011	5	7	9	V	5.9	1.2	4.78	151
250051004	2011	5	7	10	V	5.6	1.4	5.04	158
250051004	2011	5	7	11	V	9.5	1.5	5.31	172
250051004	2011	5	7	12	V	7.9	1.5	7.21	151

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	7	13	V	11.9	1.7	8.18	153
250051004	2011	5	7	14	V	8.4	1.7	8.3	150
250051004	2011	5	7	15	V	3.4	1.7	7.08	149
250051004	2011	5	7	16	V	2.4	1.6	6.82	214
250051004	2011	5	7	17	V	6.2	1.6	4.68	346
250051004	2011	5	7	18	V	2.5	2	4.24	26
250051004	2011	5	7	19	V	2.3	2.1	2.89	31
250051004	2011	5	7	20	V	2.0	1.8	1.96	348
250051004	2011	5	7	21	V	2.3	1.4	3.37	343
250051004	2011	5	7	22	V	2.1	1.3	3.91	344
250051004	2011	5	7	23	V	2.6	1.3	3.01	330
250051004	2011	5	7	24	V	2.8	2.7	1.54	310
250051004	2011	5	8	1	V	5.5	1.7	1.4	258
250051004	2011	5	8	2	V	8.4	1.5	1.26	263
250051004	2011	5	8	3	V	4.7	1.3	1.93	310
250051004	2011	5	8	4	V	5.4	1.3	1.64	4
250051004	2011	5	8	5	V	4.8	1.2	3	347
250051004	2011	5	8	6	V	5.0	1.5	4.12	342
250051004	2011	5	8	7	V	6.9	1.9	4.2	352
250051004	2011	5	8	8	V	6.1	1.6	5.39	358
250051004	2011	5	8	9	V	5.8	1.2	6.41	11
250051004	2011	5	8	10	V	5.5	1.1	6.69	23
250051004	2011	5	8	11	V	9.4	1	6.26	28
250051004	2011	5	8	12	V	7.9	0.9	6.65	49
250051004	2011	5	8	13	V	11.9	1	7.77	45
250051004	2011	5	8	14	V	8.4	1.1	8.01	48
250051004	2011	5	8	15	V	3.3	1	7.71	50
250051004	2011	5	8	16	V	2.4	1.3	7.08	31
250051004	2011	5	8	17	V	3.6	1.2	6.36	34
250051004	2011	5	8	18	V	2.5	1.2	5.6	35
250051004	2011	5	8	19	V	2.3	1.1	4.19	34
250051004	2011	5	8	20	V	2.0	1	2.76	5
250051004	2011	5	8	21	V	2.3	0.9	3.42	357
250051004	2011	5	8	22	V	2.1	0.9	3.46	352
250051004	2011	5	8	23	V	2.6	0.9	2.44	339
250051004	2011	5	8	24	V	2.8	1	2.57	326
250051004	2011	5	9	1	V	5.5	1.1	2.9	326
250051004	2011	5	9	2	V	8.4	1.1	2.5	330
250051004	2011	5	9	3	V	4.7	1	3.58	343
250051004	2011	5	9	4	V	5.4	-999	4.7	350
250051004	2011	5	9	5	V	4.8	1.2	5.17	358
250051004	2011	5	9	6	V	5.0	1.4	5.89	3
250051004	2011	5	9	7	V	6.9	1.5	7.23	5
250051004	2011	5	9	8	V	6.1	1.1	7.23	2
250051004	2011	5	9	9	V	5.8	1	8.52	12
250051004	2011	5	9	10	V	5.5	1.2	8.13	359

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	9	11	V	9.4	1	9.73	352
250051004	2011	5	9	12	V	7.9	1.5	9.66	354
250051004	2011	5	9	13	V	11.9	1.2	9.29	355
250051004	2011	5	9	14	V	8.4	0.8	8.71	354
250051004	2011	5	9	15	V	3.4	1.1	8.5	354
250051004	2011	5	9	16	V	2.4	1.1	8.52	23
250051004	2011	5	9	17	V	3.6	1.2	7.33	49
250051004	2011	5	9	18	V	2.5	1.1	7.01	39
250051004	2011	5	9	19	V	2.3	1.1	6.99	34
250051004	2011	5	9	20	V	2.0	1.2	5.75	32
250051004	2011	5	9	21	V	2.3	1.2	5.82	19
250051004	2011	5	9	22	V	2.1	-999	8.39	25
250051004	2011	5	9	23	V	2.6	0.9	6.99	21
250051004	2011	5	9	24	V	2.8	1	7.69	23
250051004	2011	5	10	1	V	5.5	0.9	8.39	30
250051004	2011	5	10	2	V	8.4	0.9	7.89	28
250051004	2011	5	10	3	V	4.7	1	6.91	30
250051004	2011	5	10	4	V	5.4	1.1	7.42	28
250051004	2011	5	10	5	V	4.8	1	7.91	25
250051004	2011	5	10	6	V	5.0	0.9	7.67	21
250051004	2011	5	10	7	V	6.9	0.8	8.18	15
250051004	2011	5	10	8	V	6.1	0.9	7.96	20
250051004	2011	5	10	9	V	5.8	0.9	6.38	5
250051004	2011	5	10	10	V	5.5	0.9	7.04	8
250051004	2011	5	10	11	V	9.3	0.9	8.86	20
250051004	2011	5	10	12	V	7.9	0.9	9.71	22
250051004	2011	5	10	13	V	11.9	0.8	9.93	27
250051004	2011	5	10	14	V	8.4	0.8	8.73	23
250051004	2011	5	10	15	V	3.3	0.9	8.56	15
250051004	2011	5	10	16	V	2.4	1.1	8.06	20
250051004	2011	5	10	17	V	3.6	0.8	8.56	27
250051004	2011	5	10	18	V	2.5	1.1	9.08	21
250051004	2011	5	10	19	V	2.3	1	8.49	30
250051004	2011	5	10	20	V	2.0	0.7	7.35	20
250051004	2011	5	10	21	V	2.3	0.8	8.85	23
250051004	2011	5	10	22	V	2.1	0.7	8.54	24
250051004	2011	5	10	23	V	2.6	0.7	8.13	24
250051004	2011	5	10	24	V	2.8	0.7	7.14	27
250051004	2011	5	11	1	V	5.5	0.9	6.96	23
250051004	2011	5	11	2	V	8.4	0.8	7.15	19
250051004	2011	5	11	3	V	4.7	0.8	6.43	17
250051004	2011	5	11	4	V	5.4	0.7	6.13	16
250051004	2011	5	11	5	V	4.8	0.7	6.35	19
250051004	2011	5	11	6	V	5.0	0.5	6.98	21
250051004	2011	5	11	7	V	6.8	0.6	6.94	20
250051004	2011	5	11	8	V	6.1	0.8	7.79	21

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	11	9	V	5.8	0.7	8.71	20
250051004	2011	5	11	10	V	5.5	0.7	8.49	22
250051004	2011	5	11	11	V	9.3	0.7	8.67	19
250051004	2011	5	11	12	V	7.8	0.8	8.39	15
250051004	2011	5	11	13	V	11.9	0.7	7.91	18
250051004	2011	5	11	14	V	8.4	0.7	7.08	14
250051004	2011	5	11	15	V	3.4	0.8	7.48	16
250051004	2011	5	11	16	V	2.4	0.9	7.93	25
250051004	2011	5	11	17	V	3.6	0.8	8.52	36
250051004	2011	5	11	18	V	2.5	0.9	7.82	35
250051004	2011	5	11	19	V	2.3	0.9	6.62	19
250051004	2011	5	11	20	V	2.0	1.1	6.33	26
250051004	2011	5	11	21	V	2.3	1.1	5.58	23
250051004	2011	5	11	22	V	2.1	0.9	5.39	15
250051004	2011	5	11	23	V	2.6	0.7	5.7	26
250051004	2011	5	11	24	V	2.8	0.9	5.07	31
250051004	2011	5	12	1	V	5.5	1.1	4.66	16
250051004	2011	5	12	2	V	8.4	0.9	3.98	12
250051004	2011	5	12	3	V	4.7	0.9	5.17	28
250051004	2011	5	12	4	V	5.4	0.8	5.87	21
250051004	2011	5	12	5	V	4.8	0.9	4.42	359
250051004	2011	5	12	6	V	5.0	0.7	3.78	347
250051004	2011	5	12	7	V	6.9	0.7	4.7	4
250051004	2011	5	12	8	V	6.1	0.8	6.7	27
250051004	2011	5	12	9	V	5.8	0.9	6.74	28
250051004	2011	5	12	10	V	5.5	0.8	7.06	41
250051004	2011	5	12	11	V	9.4	0.9	6.92	31
250051004	2011	5	12	12	V	7.9	0.6	7.33	31
250051004	2011	5	12	13	V	11.9	0.7	8.27	30
250051004	2011	5	12	14	V	8.4	0.7	7.44	23
250051004	2011	5	12	15	V	3.4	1	7.22	43
250051004	2011	5	12	16	V	2.4	0.8	6.09	43
250051004	2011	5	12	17	V	3.7	0.9	4.66	44
250051004	2011	5	12	18	V	2.5	0.8	4.7	45
250051004	2011	5	12	19	V	2.3	1	3.52	42
250051004	2011	5	12	20	V	2.0	1	3.12	52
250051004	2011	5	12	21	V	2.3	0.9	2.32	49
250051004	2011	5	12	22	V	2.1	-999	2.52	25
250051004	2011	5	12	23	V	2.6	0.8	1.84	46
250051004	2011	5	12	24	V	2.8	1.2	1.42	8
250051004	2011	5	13	1	V	5.5	1.1	1.93	295
250051004	2011	5	13	2	V	8.4	1.1	1.52	309
250051004	2011	5	13	3	V	4.7	0.9	0.55	334
250051004	2011	5	13	4	V	5.4	0.9	1.23	329
250051004	2011	5	13	5	V	4.8	0.9	1.04	302
250051004	2011	5	13	6	V	5.2	1.6	1.52	290

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	13	7	V	7.3	1.4	2.45	13
250051004	2011	5	13	8	V	6.5	1.2	3.07	28
250051004	2011	5	13	9	V	7.0	1.3	2.37	13
250051004	2011	5	13	10	V	6.9	1	2.32	24
250051004	2011	5	13	11	V	10.1	1	2.88	34
250051004	2011	5	13	12	V	8.9	1.1	2.64	46
250051004	2011	5	13	13	V	12.2	0.9	3.1	144
250051004	2011	5	13	14	V	8.5	2.2	4.83	161
250051004	2011	5	13	15	V	3.4	2.2	6.52	169
250051004	2011	5	13	16	V	2.4	1.1	6.99	159
250051004	2011	5	13	17	V	3.7	1.1	6.62	159
250051004	2011	5	13	18	V	2.5	1.1	5.89	154
250051004	2011	5	13	19	V	2.3	1	4.29	154
250051004	2011	5	13	20	V	2.0	1.1	2.35	157
250051004	2011	5	13	21	V	2.3	1.1	1.93	159
250051004	2011	5	13	22	V	2.1	1.1	1.5	178
250051004	2011	5	13	23	V	2.6	1	1.13	186
250051004	2011	5	13	24	V	2.8	0.9	0.94	166
250051004	2011	5	14	1	V	5.5	0.9	1.54	203
250051004	2011	5	14	2	V	8.4	0.9	1.77	204
250051004	2011	5	14	3	V	4.7	0.9	1.14	188
250051004	2011	5	14	4	V	5.4	0.9	1.03	167
250051004	2011	5	14	5	V	4.8	0.9	1.48	190
250051004	2011	5	14	6	V	5.0	1	2.18	181
250051004	2011	5	14	7	V	6.9	1	2.23	191
250051004	2011	5	14	8	V	6.1	1	2.56	163
250051004	2011	5	14	9	V	5.8	1.2	3.44	154
250051004	2011	5	14	10	V	5.4	1.3	4.05	145
250051004	2011	5	14	11	V	9.3	1.2	5.5	151
250051004	2011	5	14	12	V	7.8	1.3	6.13	150
250051004	2011	5	14	13	V	11.8	1.2	7.03	155
250051004	2011	5	14	14	V	8.3	1.2	6.55	155
250051004	2011	5	14	15	V	3.3	1.2	6.29	153
250051004	2011	5	14	16	V	2.3	1.2	6.53	152
250051004	2011	5	14	17	V	3.6	1	5.8	154
250051004	2011	5	14	18	V	2.5	1.5	5.02	161
250051004	2011	5	14	19	V	2.3	1.9	4.44	166
250051004	2011	5	14	20	V	2.0	1.5	4.07	165
250051004	2011	5	14	21	V	2.3	1.3	3.29	169
250051004	2011	5	14	22	V	2.1	1.3	2.96	173
250051004	2011	5	14	23	V	2.6	1.2	2.32	170
250051004	2011	5	14	24	V	2.8	1	2.55	169
250051004	2011	5	15	1	V	5.5	1	2.32	180
250051004	2011	5	15	2	V	8.4	1	1.79	169
250051004	2011	5	15	3	V	4.7	1	1.67	159
250051004	2011	5	15	4	V	5.4	1	1.82	170

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	15	5	V	4.8	0.9	1.89	152
250051004	2011	5	15	6	V	5.0	0.8	2.08	148
250051004	2011	5	15	7	V	6.8	1.1	2.27	162
250051004	2011	5	15	8	V	6.1	1.2	2.59	154
250051004	2011	5	15	9	V	5.8	1.2	3.2	157
250051004	2011	5	15	10	V	5.4	1.1	4.8	152
250051004	2011	5	15	11	V	9.3	1.3	5.68	164
250051004	2011	5	15	12	V	7.8	1.4	4.27	165
250051004	2011	5	15	13	V	11.8	1.7	3.23	149
250051004	2011	5	15	14	V	8.3	1.3	3.98	154
250051004	2011	5	15	15	V	3.3	1.4	5.94	154
250051004	2011	5	15	16	V	2.3	1.4	5.5	152
250051004	2011	5	15	17	V	3.6	1.4	5.1	148
250051004	2011	5	15	18	V	2.5	1.3	4.73	147
250051004	2011	5	15	19	V	2.3	1.3	3.74	153
250051004	2011	5	15	20	V	2.0	1.3	2.66	163
250051004	2011	5	15	21	V	2.3	1.1	2.93	150
250051004	2011	5	15	22	V	2.1	-999	1.54	73
250051004	2011	5	15	23	V	2.6	1	5.53	21
250051004	2011	5	15	24	V	2.8	1.2	5.31	7
250051004	2011	5	16	1	V	5.5	1.2	5.12	9
250051004	2011	5	16	2	V	8.4	1.1	5.43	19
250051004	2011	5	16	3	V	4.7	1.2	6.07	22
250051004	2011	5	16	4	V	5.4	1.3	6.01	20
250051004	2011	5	16	5	V	4.8	1.4	5.12	19
250051004	2011	5	16	6	V	5.0	1.2	5.36	18
250051004	2011	5	16	7	V	6.8	1.1	6.15	23
250051004	2011	5	16	8	V	6.1	1.1	6.22	25
250051004	2011	5	16	9	V	5.8	1.1	6.75	29
250051004	2011	5	16	10	V	5.4	1.2	6.84	24
250051004	2011	5	16	11	V	9.3	1.1	6.97	26
250051004	2011	5	16	12	V	7.8	1.2	6.4	27
250051004	2011	5	16	13	V	11.8	1.2	7.18	25
250051004	2011	5	16	14	V	8.3	1.3	6.87	32
250051004	2011	5	16	15	V	3.3	1.1	6.67	40
250051004	2011	5	16	16	V	2.3	1.1	5.51	37
250051004	2011	5	16	17	V	3.6	1.1	5.41	35
250051004	2011	5	16	18	V	2.5	1.1	5.77	31
250051004	2011	5	16	19	V	2.3	1.1	5.29	29
250051004	2011	5	16	20	V	2.0	1	5.24	24
250051004	2011	5	16	21	V	2.3	1	4.85	29
250051004	2011	5	16	22	V	2.1	1	4.15	25
250051004	2011	5	16	23	V	2.6	0.9	4.65	21
250051004	2011	5	16	24	V	2.8	0.8	4.73	19
250051004	2011	5	17	1	V	5.5	0.9	4.63	26
250051004	2011	5	17	2	V	8.4	0.9	5.51	22

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	17	3	V	4.7	1.1	5.6	23
250051004	2011	5	17	4	V	5.4	0.9	5.43	26
250051004	2011	5	17	5	V	4.8	0.8	5.1	26
250051004	2011	5	17	6	V	5.0	0.9	5.6	28
250051004	2011	5	17	7	V	6.8	0.9	5.87	23
250051004	2011	5	17	8	V	6.1	1.1	6.11	25
250051004	2011	5	17	9	V	5.8	1	6.67	26
250051004	2011	5	17	10	V	5.4	1	6.35	25
250051004	2011	5	17	11	V	9.3	0.9	7.18	25
250051004	2011	5	17	12	V	7.8	1.1	6.58	29
250051004	2011	5	17	13	V	11.8	1	6.48	28
250051004	2011	5	17	14	V	8.3	1.2	6.91	26
250051004	2011	5	17	15	V	3.3	0.8	6.65	25
250051004	2011	5	17	16	V	2.3	0.9	6.11	18
250051004	2011	5	17	17	V	3.6	1	5.94	20
250051004	2011	5	17	18	V	2.5	0.8	5.8	17
250051004	2011	5	17	19	V	2.3	1.1	5.82	18
250051004	2011	5	17	20	V	2.0	1.1	5.75	17
250051004	2011	5	17	21	V	2.3	1	5.97	15
250051004	2011	5	17	22	V	2.1	0.8	5.14	21
250051004	2011	5	17	23	V	2.6	0.8	5.11	13
250051004	2011	5	17	24	V	2.8	0.8	4.2	357
250051004	2011	5	18	1	V	5.5	0.7	4.32	5
250051004	2011	5	18	2	V	8.4	0.8	4.61	19
250051004	2011	5	18	3	V	4.7	0.8	3.73	12
250051004	2011	5	18	4	V	5.4	0.8	3.78	18
250051004	2011	5	18	5	V	4.8	0.6	3.66	19
250051004	2011	5	18	6	V	5.0	0.5	4.1	14
250051004	2011	5	18	7	V	6.8	0.9	4.22	19
250051004	2011	5	18	8	V	6.1	0.8	3.91	21
250051004	2011	5	18	9	V	5.8	0.7	3.22	18
250051004	2011	5	18	10	V	5.4	0.7	3.66	45
250051004	2011	5	18	11	V	9.3	0.8	2.57	61
250051004	2011	5	18	12	V	7.8	1	3.78	41
250051004	2011	5	18	13	V	11.8	0.9	3.54	13
250051004	2011	5	18	14	V	8.3	1.1	4.19	11
250051004	2011	5	18	15	V	3.3	0.9	3.85	5
250051004	2011	5	18	16	V	2.3	0.8	5.17	9
250051004	2011	5	18	17	V	3.6	0.8	4.92	17
250051004	2011	5	18	18	V	2.5	0.8	4.27	16
250051004	2011	5	18	19	V	2.3	0.8	4	9
250051004	2011	5	18	20	V	2.0	1	3.86	2
250051004	2011	5	18	21	V	2.3	0.9	4.58	21
250051004	2011	5	18	22	V	2.1	-999	2.96	10
250051004	2011	5	18	23	V	2.6	0.5	3.69	18
250051004	2011	5	18	24	V	2.8	0.8	3.52	22

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	19	1	V	5.5	1.1	2.16	7
250051004	2011	5	19	2	V	8.4	0.8	1.82	350
250051004	2011	5	19	3	V	4.7	0.8	1.53	41
250051004	2011	5	19	4	V	5.4	0.9	1.76	141
250051004	2011	5	19	5	V	4.8	0.9	1.76	69
250051004	2011	5	19	6	V	5.0	1.3	2.86	2
250051004	2011	5	19	7	V	6.8	1.3	3.86	353
250051004	2011	5	19	8	V	6.1	1.2	2.86	12
250051004	2011	5	19	9	V	5.8	1.2	3.36	6
250051004	2011	5	19	10	V	5.4	1.3	3.36	12
250051004	2011	5	19	11	V	9.3	1.3	3.86	25
250051004	2011	5	19	12	V	7.8	1.4	2.86	347
250051004	2011	5	19	13	V	11.8	1.1	3.86	18
250051004	2011	5	19	14	V	8.3	1.4	3.36	11
250051004	2011	5	19	15	V	3.3	1.2	2.86	248
250051004	2011	5	19	16	V	2.3	1	4.36	54
250051004	2011	5	19	17	V	3.6	1	5.36	48
250051004	2011	5	19	18	V	2.5	0.9	4.57	56
250051004	2011	5	19	19	V	2.3	0.9	4.02	49
250051004	2011	5	19	20	V	2.0	0.8	3.49	43
250051004	2011	5	19	21	V	2.3	0.9	3.24	32
250051004	2011	5	19	22	V	2.1	0.9	3.46	28
250051004	2011	5	19	23	V	2.6	0.9	3.22	16
250051004	2011	5	19	24	V	2.8	0.9	3.39	12
250051004	2011	5	20	1	V	5.5	0.9	3.08	9
250051004	2011	5	20	2	V	8.4	0.9	2.33	20
250051004	2011	5	20	3	V	4.7	1	2.03	342
250051004	2011	5	20	4	V	5.4	1.1	2.84	4
250051004	2011	5	20	5	V	4.8	0.9	2.39	10
250051004	2011	5	20	6	V	5.0	0.9	2.45	20
250051004	2011	5	20	7	V	6.8	1.6	2.16	8
250051004	2011	5	20	8	V	6.1	1.4	1.48	5
250051004	2011	5	20	9	V	5.8	1.3	1.86	8
250051004	2011	5	20	10	V	5.4	1.9	1.54	19
250051004	2011	5	20	11	V	9.3	1.6	1.08	41
250051004	2011	5	20	12	V	7.8	1.2	1.14	81
250051004	2011	5	20	13	V	11.8	1.4	2.54	70
250051004	2011	5	20	14	V	8.3	1.2	2.18	93
250051004	2011	5	20	15	V	3.3	1.4	2.67	124
250051004	2011	5	20	16	V	2.3	1.5	4.75	153
250051004	2011	5	20	17	V	3.6	1.5	4.03	155
250051004	2011	5	20	18	V	2.5	1.2	5.19	156
250051004	2011	5	20	19	V	2.3	1.3	3.93	164
250051004	2011	5	20	20	V	2.0	1.3	2.1	155
250051004	2011	5	20	21	V	2.3	1.1	1.38	137
250051004	2011	5	20	22	V	2.1	0.9	1.65	85

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	20	23	V	2.6	1.1	1.84	67
250051004	2011	5	20	24	V	2.8	1.1	1.09	68
250051004	2011	5	21	1	V	5.5	1.5	0.77	117
250051004	2011	5	21	2	V	8.4	1.2	1.59	99
250051004	2011	5	21	3	V	4.7	1.1	1.86	26
250051004	2011	5	21	4	V	5.4	1	2.37	28
250051004	2011	5	21	5	V	4.8	1	1.11	13
250051004	2011	5	21	6	V	5.0	1.3	2.32	42
250051004	2011	5	21	7	V	6.8	1.2	2.95	36
250051004	2011	5	21	8	V	6.1	1.1	2.56	19
250051004	2011	5	21	9	V	5.8	1.1	3.32	11
250051004	2011	5	21	10	V	5.4	1.1	2.66	36
250051004	2011	5	21	11	V	9.3	1.2	2.33	50
250051004	2011	5	21	12	V	7.8	1.2	1.76	356
250051004	2011	5	21	13	V	11.8	1.3	1.82	40
250051004	2011	5	21	14	V	8.3	1.3	1.91	106
250051004	2011	5	21	15	V	3.3	1.2	2.13	198
250051004	2011	5	21	16	V	2.3	1.4	5.28	152
250051004	2011	5	21	17	V	3.6	1.2	5.31	153
250051004	2011	5	21	18	V	2.5	1.1	5.14	156
250051004	2011	5	21	19	V	2.3	1	3.61	172
250051004	2011	5	21	20	V	2.0	0.8	2.42	159
250051004	2011	5	21	21	V	2.3	1	3.03	94
250051004	2011	5	21	22	V	2.1	-999	6.26	46
250051004	2011	5	21	23	V	2.6	0.8	4.54	34
250051004	2011	5	21	24	V	2.8	0.9	5.24	20
250051004	2011	5	22	1	V	5.5	0.8	5.48	17
250051004	2011	5	22	2	V	8.4	0.8	6.06	18
250051004	2011	5	22	3	V	4.7	0.8	5.89	15
250051004	2011	5	22	4	V	5.4	0.9	5.77	13
250051004	2011	5	22	5	V	4.8	0.8	5.92	20
250051004	2011	5	22	6	V	5.0	0.8	5.77	22
250051004	2011	5	22	7	V	6.8	0.6	5.89	25
250051004	2011	5	22	8	V	6.1	0.7	4.82	23
250051004	2011	5	22	9	V	5.8	0.8	4.34	37
250051004	2011	5	22	10	V	5.5	0.8	4.05	43
250051004	2011	5	22	11	V	9.4	0.6	3.46	32
250051004	2011	5	22	12	V	7.9	0.9	3.01	47
250051004	2011	5	22	13	V	12.0	0.7	2.35	46
250051004	2011	5	22	14	V	8.4	0.8	2.74	76
250051004	2011	5	22	15	V	3.4	0.9	2.73	74
250051004	2011	5	22	16	V	2.7	0.7	1.84	92
250051004	2011	5	22	17	V	3.7	0.7	2.13	101
250051004	2011	5	22	18	V	2.5	0.9	3.13	121
250051004	2011	5	22	19	V	2.3	0.8	4.03	167
250051004	2011	5	22	20	V	2.0	0.7	4.1	178

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	22	21	V	2.3	0.9	3.64	164
250051004	2011	5	22	22	V	2.1	0.7	3.66	157
250051004	2011	5	22	23	V	2.6	0.7	3.98	175
250051004	2011	5	22	24	V	2.8	0.9	4	176
250051004	2011	5	23	1	V	5.5	0.9	4.32	180
250051004	2011	5	23	2	V	8.4	0.8	4.7	171
250051004	2011	5	23	3	V	4.7	0.9	5	172
250051004	2011	5	23	4	V	5.4	-999	4.54	177
250051004	2011	5	23	5	V	4.8	0.8	4.89	171
250051004	2011	5	23	6	V	5.0	0.7	4.14	154
250051004	2011	5	23	7	V	6.8	0.8	4.26	158
250051004	2011	5	23	8	V	6.1	0.8	4.17	157
250051004	2011	5	23	9	V	5.8	0.8	4.56	159
250051004	2011	5	23	10	V	5.5	0.9	4.48	166
250051004	2011	5	23	11	V	9.3	0.9	4.46	159
250051004	2011	5	23	12	V	7.8	0.9	4.41	168
250051004	2011	5	23	13	V	11.9	0.9	4.15	180
250051004	2011	5	23	14	V	8.4	0.9	5.09	170
250051004	2011	5	23	15	V	3.3	0.9	5.48	167
250051004	2011	5	23	16	V	2.4	1.1	4.43	168
250051004	2011	5	23	17	V	3.6	1	3.69	158
250051004	2011	5	23	18	V	2.5	1.2	4.65	162
250051004	2011	5	23	19	V	2.3	1.1	5.19	164
250051004	2011	5	23	20	V	2.0	1.3	5.92	171
250051004	2011	5	23	21	V	2.3	1.2	5.31	173
250051004	2011	5	23	22	V	2.1	1.2	4.46	165
250051004	2011	5	23	23	V	2.6	1.2	6.77	183
250051004	2011	5	23	24	V	2.8	1.1	6.07	177
250051004	2011	5	24	1	V	5.5	1.2	7.55	191
250051004	2011	5	24	2	V	8.4	2.4	6.8	200
250051004	2011	5	24	3	V	4.7	5	6.48	203
250051004	2011	5	24	4	V	5.4	4.3	5.27	195
250051004	2011	5	24	5	V	4.8	4.6	5.43	202
250051004	2011	5	24	6	V	5.0	3.4	4.39	204
250051004	2011	5	24	7	V	6.8	3.2	3.93	212
250051004	2011	5	24	8	V	6.1	4.6	3.88	195
250051004	2011	5	24	9	V	5.8	4.7	3.64	203
250051004	2011	5	24	10	V	5.4	4.5	5.17	240
250051004	2011	5	24	11	V	9.3	4.4	5.75	233
250051004	2011	5	24	12	V	7.9	5.1	3.73	210
250051004	2011	5	24	13	V	11.9	4.2	4.66	144
250051004	2011	5	24	14	V	8.4	2.4	4.08	134
250051004	2011	5	24	15	V	3.3	2	4.87	207
250051004	2011	5	24	16	V	2.4	2	4.46	241
250051004	2011	5	24	17	V	3.7	2.1	3.3	183
250051004	2011	5	24	18	V	2.5	1.8	3.2	146

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	24	19	V	2.3	2	2.4	178
250051004	2011	5	24	20	V	2.0	1.9	1.45	182
250051004	2011	5	24	21	V	2.3	1.8	1.47	152
250051004	2011	5	24	22	V	2.1	-999	1.43	253
250051004	2011	5	24	23	V	2.6	1.5	1.5	273
250051004	2011	5	24	24	V	2.8	1.5	1.71	277
250051004	2011	5	25	1	V	5.5	1.5	2.37	261
250051004	2011	5	25	2	V	8.4	1.5	2.23	264
250051004	2011	5	25	3	V	4.7	1.4	1.57	282
250051004	2011	5	25	4	V	5.4	1.5	2.42	331
250051004	2011	5	25	5	V	4.8	1.8	1.65	332
250051004	2011	5	25	6	V	5.0	2.3	2.67	317
250051004	2011	5	25	7	V	6.8	3.3	4.56	342
250051004	2011	5	25	8	V	6.1	1.7	5.33	351
250051004	2011	5	25	9	V	5.8	1.5	5.56	13
250051004	2011	5	25	10	V	5.4	1.5	4.03	16
250051004	2011	5	25	11	V	9.3	1.3	3.15	79
250051004	2011	5	25	12	V	7.8	1.5	2.66	127
250051004	2011	5	25	13	V	11.8	1.4	4.87	154
250051004	2011	5	25	14	V	8.3	1.3	5.62	162
250051004	2011	5	25	15	V	3.3	1.4	6.86	171
250051004	2011	5	25	16	V	2.3	1.3	6.35	162
250051004	2011	5	25	17	V	3.6	1.3	5.05	155
250051004	2011	5	25	18	V	2.5	1.1	4.41	166
250051004	2011	5	25	19	V	2.3	1.3	4.48	177
250051004	2011	5	25	20	V	2.0	1.2	4.66	183
250051004	2011	5	25	21	V	2.3	1.2	3.81	175
250051004	2011	5	25	22	V	2.1	1.2	3.25	178
250051004	2011	5	25	23	V	2.6	1.1	2.32	184
250051004	2011	5	25	24	V	2.8	1	2.16	185
250051004	2011	5	26	1	V	5.5	0.9	1.74	189
250051004	2011	5	26	2	V	8.4	1	1.04	172
250051004	2011	5	26	3	V	4.7	1	1.11	132
250051004	2011	5	26	4	V	5.4	0.9	0.62	200
250051004	2011	5	26	5	V	4.8	0.9	1.2	203
250051004	2011	5	26	6	V	5.0	1	2.64	155
250051004	2011	5	26	7	V	6.8	1.2	2.64	159
250051004	2011	5	26	8	V	6.1	1.1	2.5	165
250051004	2011	5	26	9	V	5.8	2	3.19	151
250051004	2011	5	26	10	V	5.4	1.1	3.46	158
250051004	2011	5	26	11	V	9.3	2.9	3.05	158
250051004	2011	5	26	12	V	7.8	5.7	3.75	149
250051004	2011	5	26	13	V	11.9	5.3	4.65	154
250051004	2011	5	26	14	V	8.4	6.3	5.67	148
250051004	2011	5	26	15	V	3.3	2.6	7.21	154
250051004	2011	5	26	16	V	2.4	1.4	5.22	156

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	26	17	V	3.6	1.3	5.28	155
250051004	2011	5	26	18	V	2.5	1.2	3.91	164
250051004	2011	5	26	19	V	2.3	1	4.39	165
250051004	2011	5	26	20	V	2.0	0.9	3.64	168
250051004	2011	5	26	21	V	2.3	0.9	3.52	160
250051004	2011	5	26	22	V	2.1	1	3.27	157
250051004	2011	5	26	23	V	2.6	1.2	3.1	162
250051004	2011	5	26	24	V	2.8	1.2	2.25	153
250051004	2011	5	27	1	V	5.5	1.3	2.27	151
250051004	2011	5	27	2	V	8.4	1.9	2.4	153
250051004	2011	5	27	3	V	4.7	3.1	2.37	143
250051004	2011	5	27	4	V	5.4	1.2	3.01	145
250051004	2011	5	27	5	V	4.8	1	2.49	152
250051004	2011	5	27	6	V	5.0	1.7	1.84	146
250051004	2011	5	27	7	V	6.8	1.1	1.25	144
250051004	2011	5	27	8	V	6.6	1.6	0.79	123
250051004	2011	5	27	9	V	6.7	1.6	1.55	81
250051004	2011	5	27	10	V	6.3	2.6	1.57	119
250051004	2011	5	27	11	V	9.9	2	2.16	124
250051004	2011	5	27	12	V	8.0	3.2	3.18	153
250051004	2011	5	27	13	V	11.9	3.2	4.49	158
250051004	2011	5	27	14	V	8.4	2.3	6.55	153
250051004	2011	5	27	15	V	3.4	2	5.6	147
250051004	2011	5	27	16	V	2.4	1.9	5.68	153
250051004	2011	5	27	17	V	3.6	2.2	5.62	162
250051004	2011	5	27	18	V	2.5	2.2	4.66	164
250051004	2011	5	27	19	V	2.3	1.7	4.48	174
250051004	2011	5	27	20	V	2.0	1.6	4.34	194
250051004	2011	5	27	21	V	2.3	1.5	3.93	208
250051004	2011	5	27	22	V	2.1	-999	2.71	189
250051004	2011	5	27	23	V	2.6	0.9	3.63	162
250051004	2011	5	27	24	V	2.8	1	4.14	179
250051004	2011	5	28	1	V	5.5	0.9	2.78	185
250051004	2011	5	28	2	V	8.4	0.8	2.79	188
250051004	2011	5	28	3	V	4.7	0.9	2.79	189
250051004	2011	5	28	4	V	5.4	0.8	3.44	199
250051004	2011	5	28	5	V	4.8	1	2.62	183
250051004	2011	5	28	6	V	5.0	0.9	3.01	178
250051004	2011	5	28	7	V	6.8	1.1	2.79	189
250051004	2011	5	28	8	V	6.1	1.2	3.13	152
250051004	2011	5	28	9	V	5.8	1.3	3.97	146
250051004	2011	5	28	10	V	5.5	1.7	4.24	150
250051004	2011	5	28	11	V	9.3	1.4	7.26	149
250051004	2011	5	28	12	V	7.8	1.2	7.65	155
250051004	2011	5	28	13	V	11.8	1	5.58	177
250051004	2011	5	28	14	V	8.4	0.8	6.36	195

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	28	15	V	3.3	1	6.52	196
250051004	2011	5	28	16	V	2.4	1	5.14	204
250051004	2011	5	28	17	V	3.7	1.1	4.88	182
250051004	2011	5	28	18	V	2.5	1	4.1	177
250051004	2011	5	28	19	V	2.3	0.9	4.2	151
250051004	2011	5	28	20	V	2.0	1.1	4.02	176
250051004	2011	5	28	21	V	2.3	0.9	3.66	196
250051004	2011	5	28	22	V	2.1	0.8	4.76	175
250051004	2011	5	28	23	V	2.6	0.6	3.49	161
250051004	2011	5	28	24	V	2.8	0.9	3.23	155
250051004	2011	5	29	1	V	5.5	0.8	2.98	170
250051004	2011	5	29	2	V	8.4	0.9	3.1	166
250051004	2011	5	29	3	V	4.7	0.9	2.65	168
250051004	2011	5	29	4	V	5.4	1	2.56	188
250051004	2011	5	29	5	V	4.8	0.8	2.96	176
250051004	2011	5	29	6	V	5.0	0.8	2.59	158
250051004	2011	5	29	7	V	6.8	1	2.74	183
250051004	2011	5	29	8	V	6.1	0.9	2.81	155
250051004	2011	5	29	9	V	5.8	0.9	3.25	154
250051004	2011	5	29	10	V	5.5	0.8	4.19	152
250051004	2011	5	29	11	V	9.3	1	5.39	149
250051004	2011	5	29	12	V	7.8	0.8	5.55	175
250051004	2011	5	29	13	V	11.9	0.9	7.26	204
250051004	2011	5	29	14	V	8.4	1.1	6.97	200
250051004	2011	5	29	15	V	3.3	1.2	7.28	212
250051004	2011	5	29	16	V	2.4	1.2	7.2	217
250051004	2011	5	29	17	V	3.6	1.2	6.87	210
250051004	2011	5	29	18	V	2.5	1.2	6.18	211
250051004	2011	5	29	19	V	2.3	1.2	4.8	220
250051004	2011	5	29	20	V	2.0	1.1	3.73	202
250051004	2011	5	29	21	V	2.3	0.9	3.98	196
250051004	2011	5	29	22	V	2.1	0.9	3.8	210
250051004	2011	5	29	23	V	2.6	1	3.07	192
250051004	2011	5	29	24	V	2.8	0.9	2.45	197
250051004	2011	5	30	1	V	5.5	0.9	2.37	210
250051004	2011	5	30	2	V	8.4	0.9	2.79	217
250051004	2011	5	30	3	V	4.7	1	2.25	176
250051004	2011	5	30	4	V	5.4	1	2.86	199
250051004	2011	5	30	5	V	4.8	0.9	2.62	219
250051004	2011	5	30	6	V	5.0	1	3.37	207
250051004	2011	5	30	7	V	6.8	1.4	3.32	213
250051004	2011	5	30	8	V	6.1	1.4	4.92	248
250051004	2011	5	30	9	V	5.8	1.7	5.02	279
250051004	2011	5	30	10	V	7.3	1.9	3.81	313
250051004	2011	5	30	11	V	15.7	1.9	3.08	315
250051004	2011	5	30	12	V	9.1	5.1	3.34	309

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	5	30	13	V	17.9	3.6	3.29	343
250051004	2011	5	30	14	V	9.2	5.5	1.91	85
250051004	2011	5	30	15	V	4.2	2.7	1.84	169
250051004	2011	5	30	16	V	2.6	5.4	3.05	284
250051004	2011	5	30	17	V	3.9	5.8	2.78	161
250051004	2011	5	30	18	V	2.6	2	3.22	163
250051004	2011	5	30	19	V	2.3	1.4	2.64	154
250051004	2011	5	30	20	V	2.0	1.2	1.04	171
250051004	2011	5	30	21	V	2.3	1.2	1.23	173
250051004	2011	5	30	22	V	2.1	-999	1.03	130
250051004	2011	5	30	23	V	2.6	5.8	1.6	30
250051004	2011	5	30	24	V	2.8	1.6	2.28	6
250051004	2011	5	31	1	V	5.5	1.8	3.03	343
250051004	2011	5	31	2	V	8.4	1.4	4.02	340
250051004	2011	5	31	3	V	4.7	1.4	3.97	347
250051004	2011	5	31	4	V	5.4	1.2	3.66	2
250051004	2011	5	31	5	V	4.8	1.4	3.68	15
250051004	2011	5	31	6	V	5.0	1.4	4.27	21
250051004	2011	5	31	7	V	6.8	1.4	4.1	27
250051004	2011	5	31	8	V	6.1	1.2	4.34	35
250051004	2011	5	31	9	V	5.9	1.3	4.44	39
250051004	2011	5	31	10	V	5.8	1.1	3.97	42
250051004	2011	5	31	11	V	9.9	1.2	3.63	41
250051004	2011	5	31	12	V	8.6	1.5	3.35	63
250051004	2011	5	31	13	V	13.2	1.3	2.74	82
250051004	2011	5	31	14	V	8.9	1.4	3.75	89
250051004	2011	5	31	15	V	3.7	1.4	4.36	124
250051004	2011	5	31	16	V	2.6	1.3	5.92	162
250051004	2011	5	31	17	V	3.8	1.1	5.36	161
250051004	2011	5	31	18	V	2.6	1.1	5.05	184
250051004	2011	5	31	19	V	2.3	1	4.63	160
250051004	2011	5	31	20	V	2.0	1.1	3.91	175
250051004	2011	5	31	21	V	2.3	1	3.16	181
250051004	2011	5	31	22	V	2.1	-999	2.49	176
250051004	2011	5	31	23	V	2.6	0.8	3.12	180
250051004	2011	5	31	24	V	2.8	0.9	2.56	197
250051004	2011	6	1	1	V	9.1	0.9	2.18	177
250051004	2011	6	1	2	V	6.4	0.9	2.44	191
250051004	2011	6	1	3	V	9.1	1.8	2.2	196
250051004	2011	6	1	4	V	7.6	2.6	1.87	186
250051004	2011	6	1	5	V	7.4	3.9	2.74	181
250051004	2011	6	1	6	V	8.0	2.5	3.59	191
250051004	2011	6	1	7	V	7.8	4.6	4.34	203
250051004	2011	6	1	8	V	7.5	4.3	4.63	189
250051004	2011	6	1	9	V	7.3	4.8	5.04	183
250051004	2011	6	1	10	V	7.3	3.6	6.28	189

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	1	11	V	10.5	3.5	6.97	190
250051004	2011	6	1	12	V	18.4	5.4	7.86	192
250051004	2011	6	1	13	V	16.0	3.1	9.15	190
250051004	2011	6	1	14	V	17.0	1.5	8.2	190
250051004	2011	6	1	15	V	6.5	1.3	8.9	191
250051004	2011	6	1	16	V	6.1	1.5	8.03	202
250051004	2011	6	1	17	V	4.4	1.3	7.01	201
250051004	2011	6	1	18	V	3.7	1.2	5.96	211
250051004	2011	6	1	19	V	3.3	1.4	6.96	218
250051004	2011	6	1	20	V	3.2	1.4	4.86	237
250051004	2011	6	1	21	V	3.1	1.4	5.36	220
250051004	2011	6	1	22	V	3.0	1.5	4.86	216
250051004	2011	6	1	23	V	3.1	1.5	2.86	204
250051004	2011	6	1	24	V	6.8	1.7	3.36	214
250051004	2011	6	2	1	V	9.1	1.4	3.36	111
250051004	2011	6	2	2	V	6.4	1.5	2.86	168
250051004	2011	6	2	3	V	9.1	1.7	4.36	200
250051004	2011	6	2	4	V	7.6	1.5	2.86	212
250051004	2011	6	2	5	V	7.4	1.6	2.86	305
250051004	2011	6	2	6	V	8.0	1.7	2.36	270
250051004	2011	6	2	7	V	7.8	1.7	3.36	273
250051004	2011	6	2	8	V	7.5	2.1	4.36	252
250051004	2011	6	2	9	V	7.4	1.7	7.46	289
250051004	2011	6	2	10	V	7.3	1.7	9.06	301
250051004	2011	6	2	11	V	10.6	1.9	8.36	292
250051004	2011	6	2	12	V	18.4	2.1	8.67	288
250051004	2011	6	2	13	V	16.0	2.4	9.83	295
250051004	2011	6	2	14	V	17.0	2.7	9.63	302
250051004	2011	6	2	15	V	6.8	2.1	10.1	307
250051004	2011	6	2	16	V	6.0	1.6	9.24	301
250051004	2011	6	2	17	V	4.4	3.6	9.76	294
250051004	2011	6	2	18	V	3.7	1.9	8.37	306
250051004	2011	6	2	19	V	3.3	5.4	7.33	309
250051004	2011	6	2	20	V	3.2	5.2	5.09	297
250051004	2011	6	2	21	V	3.1	2	3.3	277
250051004	2011	6	2	22	V	3.0	1.5	3.01	251
250051004	2011	6	2	23	V	3.1	1.3	3.44	263
250051004	2011	6	2	24	V	6.8	1.7	2.84	297
250051004	2011	6	3	1	V	9.1	3.6	2.83	284
250051004	2011	6	3	2	V	6.4	1.7	2.64	274
250051004	2011	6	3	3	V	9.1	2.2	2.35	259
250051004	2011	6	3	4	V	7.6	1.4	3.18	267
250051004	2011	6	3	5	V	7.4	1.5	3.51	271
250051004	2011	6	3	6	V	8.0	1.6	4.48	286
250051004	2011	6	3	7	V	7.8	3.9	5.19	306
250051004	2011	6	3	8	V	7.5	4.5	6.43	328

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	3	9	V	7.3	3.8	7.62	314
250051004	2011	6	3	10	V	7.3	2.4	7.74	321
250051004	2011	6	3	11	V	10.5	2.6	7.03	326
250051004	2011	6	3	12	V	18.4	1.6	7.37	336
250051004	2011	6	3	13	V	15.9	1.8	7.21	336
250051004	2011	6	3	14	V	16.9	2.7	6.74	324
250051004	2011	6	3	15	V	6.4	2.1	6.57	337
250051004	2011	6	3	16	V	6.0	1.9	6.92	346
250051004	2011	6	3	17	V	4.3	1.9	6.16	339
250051004	2011	6	3	18	V	3.6	1.3	6.29	339
250051004	2011	6	3	19	V	3.3	1.3	4.85	9
250051004	2011	6	3	20	V	3.2	1.4	3.2	62
250051004	2011	6	3	21	V	3.1	1.2	2.98	176
250051004	2011	6	3	22	V	3.0	-999	2.42	219
250051004	2011	6	3	23	V	3.1	1.5	2.72	242
250051004	2011	6	3	24	V	6.8	1.6	2.3	245
250051004	2011	6	4	1	V	9.1	1.4	2.04	246
250051004	2011	6	4	2	V	6.4	1.2	2.83	251
250051004	2011	6	4	3	V	9.1	1.2	3.91	265
250051004	2011	6	4	4	V	7.6	1.2	3.69	269
250051004	2011	6	4	5	V	7.4	1.4	3.29	266
250051004	2011	6	4	6	V	8.0	1.8	1.67	238
250051004	2011	6	4	7	V	7.8	2.7	3.73	325
250051004	2011	6	4	8	V	7.5	1.7	5.89	347
250051004	2011	6	4	9	V	7.3	1.4	5.7	347
250051004	2011	6	4	10	V	7.3	1.4	5.33	350
250051004	2011	6	4	11	V	10.5	2.1	5.75	358
250051004	2011	6	4	12	V	18.4	1.8	5.09	24
250051004	2011	6	4	13	V	15.9	1.5	5.84	67
250051004	2011	6	4	14	V	16.9	1.2	5.75	66
250051004	2011	6	4	15	V	6.4	1.2	6.8	86
250051004	2011	6	4	16	V	6.0	1.2	4.6	90
250051004	2011	6	4	17	V	4.3	1.2	5	90
250051004	2011	6	4	18	V	3.6	1.1	5.04	80
250051004	2011	6	4	19	V	3.3	1.3	4.26	69
250051004	2011	6	4	20	V	3.2	1.2	3.4	61
250051004	2011	6	4	21	V	3.1	1.3	3.88	61
250051004	2011	6	4	22	V	3.0	1	2.59	56
250051004	2011	6	4	23	V	3.1	1.1	1.89	43
250051004	2011	6	4	24	V	6.8	1.1	1.99	18
250051004	2011	6	5	1	V	9.1	1.2	1.81	35
250051004	2011	6	5	2	V	6.4	1.2	1.64	308
250051004	2011	6	5	3	V	9.1	1.1	2.16	358
250051004	2011	6	5	4	V	7.6	1.1	1.72	339
250051004	2011	6	5	5	V	7.4	1.4	1.7	348
250051004	2011	6	5	6	V	8.4	2.2	0.97	2

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	5	7	V	7.9	2.2	2.15	73
250051004	2011	6	5	8	V	7.6	2.1	2.42	85
250051004	2011	6	5	9	V	7.6	1.5	2.15	73
250051004	2011	6	5	10	V	7.5	1.3	2.18	97
250051004	2011	6	5	11	V	10.7	1.5	2.35	151
250051004	2011	6	5	12	V	18.6	1.4	3.05	162
250051004	2011	6	5	13	V	16.0	1.5	3.71	146
250051004	2011	6	5	14	V	17.0	1.3	5.78	151
250051004	2011	6	5	15	V	6.5	1.3	6.36	165
250051004	2011	6	5	16	V	6.1	1.4	5.41	160
250051004	2011	6	5	17	V	4.4	1.4	4.22	161
250051004	2011	6	5	18	V	3.7	1.6	4.63	196
250051004	2011	6	5	19	V	3.3	1.4	3.83	202
250051004	2011	6	5	20	V	3.2	1.3	3.34	213
250051004	2011	6	5	21	V	3.1	1.2	2.28	187
250051004	2011	6	5	22	V	3.0	1.2	2.33	184
250051004	2011	6	5	23	V	3.1	1.3	2.28	198
250051004	2011	6	5	24	V	6.8	1.3	1.6	197
250051004	2011	6	6	1	V	9.1	1.3	1.4	189
250051004	2011	6	6	2	V	6.4	1.1	0.87	195
250051004	2011	6	6	3	V	9.1	1.5	1.38	254
250051004	2011	6	6	4	V	7.6	-999	1.18	250
250051004	2011	6	6	5	V	7.4	1.5	1.08	267
250051004	2011	6	6	6	V	8.0	3.3	1.14	288
250051004	2011	6	6	7	V	9.2	-999	2.18	343
250051004	2011	6	6	8	V	8.9	-999	2.3	353
250051004	2011	6	6	9	V	7.5	6.6	2.67	4
250051004	2011	6	6	10	V	7.6	3.9	2.61	33
250051004	2011	6	6	11	V	10.7	2.3	4.34	23
250051004	2011	6	6	12	V	18.5	2	4.78	44
250051004	2011	6	6	13	V	16.2	1.7	3.47	65
250051004	2011	6	6	14	V	17.1	1.7	3.75	117
250051004	2011	6	6	15	V	6.5	1.8	5.05	152
250051004	2011	6	6	16	V	6.1	2	5.36	158
250051004	2011	6	6	17	V	4.4	2.6	4.55	154
250051004	2011	6	6	18	V	3.7	1.9	4.61	152
250051004	2011	6	6	19	V	3.3	2	2.96	177
250051004	2011	6	6	20	V	3.2	2.4	2.84	183
250051004	2011	6	6	21	V	3.1	1.8	2.49	168
250051004	2011	6	6	22	V	3.0	-999	1.84	166
250051004	2011	6	6	23	V	3.1	1.8	1.89	169
250051004	2011	6	6	24	V	6.8	1.7	1.64	175
250051004	2011	6	7	1	V	9.1	1.7	2.45	183
250051004	2011	6	7	2	V	6.4	4.6	2.06	181
250051004	2011	6	7	3	V	9.1	12.7	1.54	195
250051004	2011	6	7	4	V	7.6	5.1	0.94	176

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	7	5	V	7.4	2.2	1.3	185
250051004	2011	6	7	6	V	8.0	2.5	0.99	233
250051004	2011	6	7	7	V	8.8	2.5	0.74	57
250051004	2011	6	7	8	V	19.1	2.2	1.11	294
250051004	2011	6	7	9	V	29.8	9.7	1.42	299
250051004	2011	6	7	10	V	8.2	34.2	3.1	289
250051004	2011	6	7	11	V	10.9	2.4	4.44	287
250051004	2011	6	7	12	V	18.7	2.1	4.29	288
250051004	2011	6	7	13	V	16.5	2.2	3.81	189
250051004	2011	6	7	14	V	17.3	3.4	4.49	147
250051004	2011	6	7	15	V	6.7	1.9	5.02	147
250051004	2011	6	7	16	V	6.3	2	4.71	153
250051004	2011	6	7	17	V	4.7	2	4	159
250051004	2011	6	7	18	V	3.8	1.9	3.46	174
250051004	2011	6	7	19	V	3.3	2.3	4.25	197
250051004	2011	6	7	20	V	3.2	2.3	2.81	172
250051004	2011	6	7	21	V	3.1	2.2	1.71	148
250051004	2011	6	7	22	V	3.0	2	1.04	163
250051004	2011	6	7	23	V	3.1	2.1	1.48	169
250051004	2011	6	7	24	V	6.8	1.9	1.26	162
250051004	2011	6	8	1	V	9.1	2.2	0.89	152
250051004	2011	6	8	2	V	6.4	3.4	1.08	177
250051004	2011	6	8	3	V	9.1	-999	0.96	177
250051004	2011	6	8	4	V	7.6	-999	1.23	208
250051004	2011	6	8	5	V	7.4	-999	1.79	239
250051004	2011	6	8	6	V	8.0	-999	1.55	243
250051004	2011	6	8	7	V	7.8	-999	1.55	239
250051004	2011	6	8	8	V	7.5	-999	2.56	272
250051004	2011	6	8	9	V	7.4	-999	2.79	275
250051004	2011	6	8	10	V	7.3	-999	4.17	264
250051004	2011	6	8	11	V	10.6	-999	3.95	271
250051004	2011	6	8	12	V	18.6	-999	3.1	243
250051004	2011	6	8	13	V	16.3	-999	3.76	268
250051004	2011	6	8	14	V	17.2	-999	3.71	282
250051004	2011	6	8	15	V	6.7	-999	2.76	279
250051004	2011	6	8	16	V	6.1	-999	3.98	246
250051004	2011	6	8	17	V	4.5	-999	4.27	252
250051004	2011	6	8	18	V	3.8	-999	4.73	227
250051004	2011	6	8	19	V	3.3	-999	3.78	219
250051004	2011	6	8	20	V	3.2	-999	3.15	211
250051004	2011	6	8	21	V	3.1	-999	2.32	219
250051004	2011	6	8	22	V	3.0	-999	4.41	271
250051004	2011	6	8	23	V	3.1	-999	4.53	259
250051004	2011	6	8	24	V	6.8	-999	2.13	239
250051004	2011	6	9	1	V	9.1	-999	2.86	268
250051004	2011	6	9	2	V	6.4	-999	5.05	265

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	9	3	V	9.1	-999	4.37	205
250051004	2011	6	9	4	V	7.6	-999	4.17	264
250051004	2011	6	9	5	V	7.4	-999	3.56	271
250051004	2011	6	9	6	V	8.0	-999	2.54	284
250051004	2011	6	9	7	V	7.8	-999	3.17	277
250051004	2011	6	9	8	V	7.5	-999	3.35	278
250051004	2011	6	9	9	V	8.4	-999	1.67	253
250051004	2011	6	9	10	V	7.5	-999	3.1	239
250051004	2011	6	9	11	V	10.8	-999	3.13	252
250051004	2011	6	9	12	V	18.5	-999	4.03	230
250051004	2011	6	9	13	V	16.0	-999	5.55	211
250051004	2011	6	9	14	V	17.1	-999	6.14	212
250051004	2011	6	9	15	V	6.6	-999	6.33	201
250051004	2011	6	9	16	V	6.1	-999	6.04	205
250051004	2011	6	9	17	V	4.4	-999	5.84	232
250051004	2011	6	9	18	V	3.7	-999	4.99	294
250051004	2011	6	9	19	V	3.3	-999	2.78	223
250051004	2011	6	9	20	V	3.2	-999	4.61	186
250051004	2011	6	9	21	V	3.1	-999	1.42	248
250051004	2011	6	9	22	V	3.0	-999	3.86	248
250051004	2011	6	9	23	V	3.1	-999	4.86	254
250051004	2011	6	9	24	V	6.8	-999	2.04	305
250051004	2011	6	10	1	V	9.1	-999	2.76	261
250051004	2011	6	10	2	V	6.4	-999	3.25	270
250051004	2011	6	10	3	V	9.1	-999	1.91	257
250051004	2011	6	10	4	V	7.6	-999	1.72	261
250051004	2011	6	10	5	V	7.4	-999	3.52	268
250051004	2011	6	10	6	V	8.0	-999	2.89	295
250051004	2011	6	10	7	V	7.8	-999	3.49	301
250051004	2011	6	10	8	V	9.8	-999	3.78	339
250051004	2011	6	10	9	V	7.3	-999	4.19	354
250051004	2011	6	10	10	V	7.4	2.3	4.65	6
250051004	2011	6	10	11	V	10.7	2.3	4.14	33
250051004	2011	6	10	12	V	18.8	2.3	3.12	53
250051004	2011	6	10	13	V	16.2	2.7	3.86	122
250051004	2011	6	10	14	V	17.2	2.2	3.86	157
250051004	2011	6	10	15	V	6.5	2.2	5.36	171
250051004	2011	6	10	16	V	6.1	1.7	7.46	169
250051004	2011	6	10	17	V	4.4	1.6	3.86	111
250051004	2011	6	10	18	V	3.7	1.5	2.86	109
250051004	2011	6	10	19	V	3.3	1.4	3.36	86
250051004	2011	6	10	20	V	3.2	1.4	3.36	115
250051004	2011	6	10	21	V	3.1	1	3.36	137
250051004	2011	6	10	22	V	3.0	1.6	3.36	130
250051004	2011	6	10	23	V	3.1	1.8	2.36	132
250051004	2011	6	10	24	V	6.8	1.5	2.86	170

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	11	1	V	9.1	1.4	1.76	154
250051004	2011	6	11	2	V	6.4	1.4	1.76	142
250051004	2011	6	11	3	V	9.1	1.4	2.36	111
250051004	2011	6	11	4	V	7.6	1.5	1.76	106
250051004	2011	6	11	5	V	7.4	1.5	2.86	137
250051004	2011	6	11	6	C	-999	1.5	0	0
250051004	2011	6	11	7	V	7.8	1.5	3.36	56
250051004	2011	6	11	8	V	7.5	1.3	4.86	51
250051004	2011	6	11	9	V	7.3	1.3	4.86	76
250051004	2011	6	11	10	V	7.3	1.5	4.36	88
250051004	2011	6	11	11	V	10.5	1.5	3.36	36
250051004	2011	6	11	12	V	18.4	1.4	4.86	53
250051004	2011	6	11	13	V	15.9	1.4	4.86	69
250051004	2011	6	11	14	V	16.9	1.3	3.86	62
250051004	2011	6	11	15	V	6.4	1.3	3.36	88
250051004	2011	6	11	16	V	6.0	1.4	5.96	100
250051004	2011	6	11	17	V	4.3	1.4	6.46	102
250051004	2011	6	11	18	V	3.6	1.5	3.86	92
250051004	2011	6	11	19	V	3.3	1.4	5.36	111
250051004	2011	6	11	20	V	3.2	1.6	5.36	119
250051004	2011	6	11	21	V	3.1	1.5	4.86	108
250051004	2011	6	11	22	V	3.0	1.8	3.86	100
250051004	2011	6	11	23	V	3.1	1.8	2.36	75
250051004	2011	6	11	24	V	6.8	1.9	3.36	40
250051004	2011	6	12	1	V	9.1	1.4	3.86	52
250051004	2011	6	12	2	V	6.4	1.4	4.36	28
250051004	2011	6	12	3	V	9.1	1.4	4.86	38
250051004	2011	6	12	4	V	7.6	1.5	4.86	16
250051004	2011	6	12	5	V	7.4	1.4	4.86	2
250051004	2011	6	12	6	V	8.0	2	4.36	24
250051004	2011	6	12	7	V	7.8	2.1	5.96	358
250051004	2011	6	12	8	V	7.5	2.1	5.96	10
250051004	2011	6	12	9	V	7.3	2.2	6.96	10
250051004	2011	6	12	10	V	7.3	2.2	6.46	14
250051004	2011	6	12	11	V	10.5	2.3	6.96	31
250051004	2011	6	12	12	V	18.4	2.3	5.96	10
250051004	2011	6	12	13	V	15.9	2.2	5.96	3
250051004	2011	6	12	14	V	16.9	2.3	5.36	15
250051004	2011	6	12	15	V	6.4	2.2	6.46	1
250051004	2011	6	12	16	V	6.0	2.2	3.86	42
250051004	2011	6	12	17	V	4.3	2	4.36	19
250051004	2011	6	12	18	V	3.6	2.1	3.86	24
250051004	2011	6	12	19	V	3.3	2.1	4.86	34
250051004	2011	6	12	20	V	3.2	2.1	4.36	350
250051004	2011	6	12	21	V	3.1	2	3.36	21
250051004	2011	6	12	22	V	3.0	-999	3.86	346

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	12	23	V	3.1	1.9	3.86	357
250051004	2011	6	12	24	V	6.8	2.1	2.36	14
250051004	2011	6	13	1	V	9.1	2.1	2.36	49
250051004	2011	6	13	2	V	6.4	2.2	1.76	353
250051004	2011	6	13	3	C	-999	2.5	0	0
250051004	2011	6	13	4	V	7.6	2.2	1.28	44
250051004	2011	6	13	5	V	7.4	2.4	1.06	92
250051004	2011	6	13	6	V	8.1	2.5	0.72	133
250051004	2011	6	13	7	V	8.1	3.5	1.03	290
250051004	2011	6	13	8	V	8.0	8.1	0.86	267
250051004	2011	6	13	9	V	7.5	3.3	1.2	76
250051004	2011	6	13	10	V	7.6	2.3	1.42	57
250051004	2011	6	13	11	V	10.6	2.8	2.28	78
250051004	2011	6	13	12	V	18.4	2.7	2.98	91
250051004	2011	6	13	13	V	16.0	2.2	2.18	71
250051004	2011	6	13	14	V	17.0	2.4	2.98	96
250051004	2011	6	13	15	V	6.4	2.1	5.12	116
250051004	2011	6	13	16	V	6.0	1.9	3.41	159
250051004	2011	6	13	17	V	4.3	1.9	4.19	169
250051004	2011	6	13	18	V	3.6	1.7	3.63	172
250051004	2011	6	13	19	V	3.3	2	3.47	167
250051004	2011	6	13	20	V	3.2	2	3.2	174
250051004	2011	6	13	21	V	3.1	1.7	2.66	141
250051004	2011	6	13	22	V	3.0	1.7	3.22	88
250051004	2011	6	13	23	V	3.1	1.7	2.45	53
250051004	2011	6	13	24	V	6.8	1.6	1.47	62
250051004	2011	6	14	1	V	9.1	1.9	2.72	35
250051004	2011	6	14	2	V	6.4	1.9	1.98	49
250051004	2011	6	14	3	V	9.1	1.7	1.64	34
250051004	2011	6	14	4	V	7.6	2.1	2.93	36
250051004	2011	6	14	5	V	7.4	2.2	3.61	32
250051004	2011	6	14	6	V	8.0	2.1	4.19	49
250051004	2011	6	14	7	V	7.8	2.3	4.03	47
250051004	2011	6	14	8	V	7.5	2.3	5.04	29
250051004	2011	6	14	9	V	7.3	2	5	22
250051004	2011	6	14	10	V	7.3	1.8	4.1	26
250051004	2011	6	14	11	V	10.5	1.8	6.01	22
250051004	2011	6	14	12	V	18.4	1.8	5.41	26
250051004	2011	6	14	13	V	15.9	1.5	5.17	32
250051004	2011	6	14	14	V	16.9	1.6	4.6	31
250051004	2011	6	14	15	V	6.4	1.8	4.34	45
250051004	2011	6	14	16	V	6.0	1.7	3.47	40
250051004	2011	6	14	17	V	4.3	1.8	4.46	31
250051004	2011	6	14	18	V	3.6	1.5	4.9	11
250051004	2011	6	14	19	V	3.3	1.9	5.77	356
250051004	2011	6	14	20	V	3.2	1.8	5.16	360

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	14	21	V	3.1	1.9	3.69	4
250051004	2011	6	14	22	V	3.0	1.5	2.4	325
250051004	2011	6	14	23	V	3.1	2.6	2.27	297
250051004	2011	6	14	24	V	6.8	2.5	2.59	305
250051004	2011	6	15	1	V	9.1	4.7	2.62	298
250051004	2011	6	15	2	V	6.4	5	2.86	291
250051004	2011	6	15	3	V	9.1	4.5	2.71	288
250051004	2011	6	15	4	V	7.6	4.8	2.54	279
250051004	2011	6	15	5	V	7.4	3.7	1.82	263
250051004	2011	6	15	6	V	8.0	3	2.2	278
250051004	2011	6	15	7	V	7.8	3.3	3.3	313
250051004	2011	6	15	8	V	7.5	3.1	5.17	350
250051004	2011	6	15	9	V	7.3	2.3	6.58	5
250051004	2011	6	15	10	V	7.3	2.2	6.87	1
250051004	2011	6	15	11	V	10.5	2	7.48	15
250051004	2011	6	15	12	V	18.4	2	6.69	30
250051004	2011	6	15	13	V	15.9	1.8	6.21	44
250051004	2011	6	15	14	V	16.9	1.7	4.24	70
250051004	2011	6	15	15	V	6.4	1.8	3.25	77
250051004	2011	6	15	16	V	6.0	1.8	4.54	61
250051004	2011	6	15	17	V	4.3	1.8	4.68	70
250051004	2011	6	15	18	V	3.6	1.8	3.61	84
250051004	2011	6	15	19	V	3.3	1.4	3.12	133
250051004	2011	6	15	20	V	3.2	1.8	2.88	171
250051004	2011	6	15	21	V	3.1	2.4	3.22	243
250051004	2011	6	15	22	V	3.0	-999	2.2	216
250051004	2011	6	15	23	V	3.1	2.3	1.64	193
250051004	2011	6	15	24	V	6.8	2	2.37	252
250051004	2011	6	16	1	V	9.1	1.9	2.96	246
250051004	2011	6	16	2	V	6.4	1.8	3.2	252
250051004	2011	6	16	3	V	9.1	1.8	2.13	221
250051004	2011	6	16	4	V	7.6	1.8	1.69	203
250051004	2011	6	16	5	V	7.4	1.4	1.69	187
250051004	2011	6	16	6	V	8.0	1.8	1.6	201
250051004	2011	6	16	7	V	7.8	2	2.93	233
250051004	2011	6	16	8	V	7.5	1.8	4.83	247
250051004	2011	6	16	9	V	7.3	1.9	4.56	243
250051004	2011	6	16	10	V	7.3	2.1	4.07	244
250051004	2011	6	16	11	V	10.5	2	3.88	247
250051004	2011	6	16	12	V	18.4	1.9	3.83	252
250051004	2011	6	16	13	V	16.0	2.2	3.2	246
250051004	2011	6	16	14	V	17.0	2	3.88	158
250051004	2011	6	16	15	V	6.5	2	3.93	241
250051004	2011	6	16	16	V	6.0	2.1	4.99	241
250051004	2011	6	16	17	V	4.4	2.5	5.31	235
250051004	2011	6	16	18	V	3.7	2.6	4.51	221

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	16	19	V	3.3	3	4.15	214
250051004	2011	6	16	20	V	3.2	2.5	5.09	229
250051004	2011	6	16	21	V	3.1	2.4	5.09	240
250051004	2011	6	16	22	V	3.0	2.4	4.32	241
250051004	2011	6	16	23	V	3.1	2.3	4.6	240
250051004	2011	6	16	24	V	6.8	2	4.68	245
250051004	2011	6	17	1	V	9.1	1.9	3.15	235
250051004	2011	6	17	2	V	6.4	6.1	1.96	208
250051004	2011	6	17	3	V	9.1	25.3	1.76	181
250051004	2011	6	17	4	V	7.6	6.6	2.01	161
250051004	2011	6	17	5	V	7.4	13.7	2.55	175
250051004	2011	6	17	6	V	8.0	12.3	1.82	173
250051004	2011	6	17	7	V	7.8	12.5	2.72	191
250051004	2011	6	17	8	V	7.5	8	3.13	195
250051004	2011	6	17	9	V	7.3	7	3.69	186
250051004	2011	6	17	10	V	7.3	4.5	2.95	165
250051004	2011	6	17	11	V	10.5	2.1	4.66	165
250051004	2011	6	17	12	V	18.4	3	5.34	178
250051004	2011	6	17	13	V	15.9	1.9	5.79	183
250051004	2011	6	17	14	V	16.9	1.7	6.26	186
250051004	2011	6	17	15	V	6.4	1.7	5.79	172
250051004	2011	6	17	16	V	6.0	1.7	5.72	159
250051004	2011	6	17	17	V	4.3	1.7	6.4	184
250051004	2011	6	17	18	V	3.6	1.7	6.58	190
250051004	2011	6	17	19	V	3.3	1.8	5.58	201
250051004	2011	6	17	20	V	3.2	1.9	4.88	193
250051004	2011	6	17	21	V	3.1	1.9	3.51	187
250051004	2011	6	17	22	V	3.0	1.7	3.78	167
250051004	2011	6	17	23	V	3.1	1.8	2.74	168
250051004	2011	6	17	24	V	6.8	1.6	2.32	186
250051004	2011	6	18	1	V	9.1	1.7	1.31	204
250051004	2011	6	18	2	V	6.4	1.8	1.54	216
250051004	2011	6	18	3	V	9.1	2.1	2.84	236
250051004	2011	6	18	4	V	7.6	1.9	2.81	250
250051004	2011	6	18	5	V	7.4	1.7	1.71	240
250051004	2011	6	18	6	V	8.0	1.6	1.89	200
250051004	2011	6	18	7	V	7.8	1.8	3.08	237
250051004	2011	6	18	8	V	7.5	2.1	2.15	254
250051004	2011	6	18	9	V	7.3	1.7	2.1	273
250051004	2011	6	18	10	V	7.3	1.3	3.35	281
250051004	2011	6	18	11	V	10.5	2.5	4.87	279
250051004	2011	6	18	12	V	18.4	2.6	4.51	252
250051004	2011	6	18	13	V	15.9	2.2	5.19	260
250051004	2011	6	18	14	V	16.9	2	5.12	266
250051004	2011	6	18	15	V	6.4	2.1	4.25	265
250051004	2011	6	18	16	V	6.0	2	4.39	269

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	18	17	V	4.3	2.1	4.2	243
250051004	2011	6	18	18	V	3.6	2.1	4.83	234
250051004	2011	6	18	19	V	3.3	2.1	4.41	222
250051004	2011	6	18	20	V	3.2	2.1	3.91	240
250051004	2011	6	18	21	V	3.1	2.2	3.61	237
250051004	2011	6	18	22	V	3.0	-999	2.33	231
250051004	2011	6	18	23	V	3.1	2.2	3.17	247
250051004	2011	6	18	24	V	6.8	2.3	3.07	262
250051004	2011	6	19	1	V	9.1	2.3	3.18	261
250051004	2011	6	19	2	V	6.4	2.3	3.35	267
250051004	2011	6	19	3	V	9.1	2.3	2.15	317
250051004	2011	6	19	4	V	7.6	2.1	2.21	339
250051004	2011	6	19	5	V	7.4	2.1	1.89	319
250051004	2011	6	19	6	V	8.4	1.9	2.03	317
250051004	2011	6	19	7	V	7.9	2	3.61	345
250051004	2011	6	19	8	V	7.5	1.9	4.71	348
250051004	2011	6	19	9	V	7.4	1.9	4.39	343
250051004	2011	6	19	10	V	9.0	2.3	3.81	329
250051004	2011	6	19	11	V	11.1	2.3	4.32	314
250051004	2011	6	19	12	V	18.6	2.7	4.92	345
250051004	2011	6	19	13	V	16.7	5.4	3.78	308
250051004	2011	6	19	14	V	20.6	9.2	3.9	315
250051004	2011	6	19	15	V	6.6	9.9	3.22	298
250051004	2011	6	19	16	V	11.1	3.8	3.32	313
250051004	2011	6	19	17	V	12.0	3.7	2.96	323
250051004	2011	6	19	18	V	8.6	2.2	2.49	338
250051004	2011	6	19	19	V	3.3	2	3.32	139
250051004	2011	6	19	20	V	3.2	2	4.39	149
250051004	2011	6	19	21	V	3.1	1.9	2.78	158
250051004	2011	6	19	22	V	3.0	1.8	1.76	166
250051004	2011	6	19	23	V	3.1	1.6	2.06	184
250051004	2011	6	19	24	V	6.8	1.9	1.65	203
250051004	2011	6	20	1	V	9.1	2	1.62	241
250051004	2011	6	20	2	V	6.4	2	1.79	263
250051004	2011	6	20	3	V	9.1	1.9	1.81	272
250051004	2011	6	20	4	V	7.6	-999	2.06	282
250051004	2011	6	20	5	V	7.4	2.4	1.59	273
250051004	2011	6	20	6	V	8.0	2.4	1.35	281
250051004	2011	6	20	7	V	7.8	4.2	1.43	278
250051004	2011	6	20	8	V	17.2	2.9	1.25	311
250051004	2011	6	20	9	V	10.2	2.7	1.42	3
250051004	2011	6	20	10	V	8.5	4.7	1.99	2
250051004	2011	6	20	11	V	10.8	8.8	2.56	13
250051004	2011	6	20	12	V	19.1	16.3	2.35	5
250051004	2011	6	20	13	V	16.3	9.2	2.69	279
250051004	2011	6	20	14	V	17.2	2.2	3.18	228

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	20	15	V	6.6	2.2	3.9	211
250051004	2011	6	20	16	V	6.1	2.1	5.79	177
250051004	2011	6	20	17	V	4.4	2	4.05	218
250051004	2011	6	20	18	V	3.7	1.9	4.87	204
250051004	2011	6	20	19	V	3.3	2	4.17	207
250051004	2011	6	20	20	V	3.2	2	3.56	230
250051004	2011	6	20	21	V	3.1	2.4	3.07	238
250051004	2011	6	20	22	V	3.0	2.2	3.22	245
250051004	2011	6	20	23	V	3.1	2.1	2.83	248
250051004	2011	6	20	24	V	6.8	2.1	3.59	258
250051004	2011	6	21	1	V	9.1	2.2	1.81	265
250051004	2011	6	21	2	V	6.4	2.3	1.96	244
250051004	2011	6	21	3	V	9.1	2.5	1.86	232
250051004	2011	6	21	4	V	7.6	2.2	1.99	263
250051004	2011	6	21	5	C	-999	2.1	0	0
250051004	2011	6	21	6	V	8.3	2.5	0.91	230
250051004	2011	6	21	7	V	8.9	6.3	2.64	349
250051004	2011	6	21	8	V	8.2	3.1	2.1	29
250051004	2011	6	21	9	V	8.5	3	2.08	39
250051004	2011	6	21	10	V	8.2	2.1	2.39	57
250051004	2011	6	21	11	V	12.3	12.1	1.93	56
250051004	2011	6	21	12	V	19.6	57.3	2.32	162
250051004	2011	6	21	13	V	16.2	4.8	4.34	149
250051004	2011	6	21	14	V	17.2	11.1	4.46	162
250051004	2011	6	21	15	V	6.6	3.6	5.11	153
250051004	2011	6	21	16	V	6.1	3.2	6.14	155
250051004	2011	6	21	17	V	4.4	2.6	6.23	144
250051004	2011	6	21	18	V	3.7	2.6	5.29	143
250051004	2011	6	21	19	V	3.3	2.7	4.97	146
250051004	2011	6	21	20	V	3.2	2.5	4.87	156
250051004	2011	6	21	21	V	3.1	2.1	4.44	161
250051004	2011	6	21	22	V	3.0	-999	2.78	169
250051004	2011	6	21	23	V	3.1	1.7	2.49	163
250051004	2011	6	21	24	V	6.8	1.7	1.77	160
250051004	2011	6	22	1	V	9.1	1.7	1.93	167
250051004	2011	6	22	2	V	6.4	1.8	1.59	149
250051004	2011	6	22	3	V	9.1	1.9	2.47	194
250051004	2011	6	22	4	V	7.6	1.8	1.88	176
250051004	2011	6	22	5	V	7.4	1.9	1.47	165
250051004	2011	6	22	6	V	8.0	2.1	0.99	171
250051004	2011	6	22	7	V	7.8	2.7	1.23	154
250051004	2011	6	22	8	V	10.5	2.7	0.89	119
250051004	2011	6	22	9	V	11.7	4.3	0.92	121
250051004	2011	6	22	10	V	10.3	4.2	1.26	126
250051004	2011	6	22	11	V	13.8	3.6	1.28	130
250051004	2011	6	22	12	V	18.8	3.3	2.59	59

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	22	13	V	16.0	3.3	3.35	90
250051004	2011	6	22	14	V	17.2	2.3	2.84	114
250051004	2011	6	22	15	V	6.5	2.2	3.73	140
250051004	2011	6	22	16	V	6.1	2	3.48	146
250051004	2011	6	22	17	V	4.4	1.8	2.86	121
250051004	2011	6	22	18	V	3.7	1.8	3.15	122
250051004	2011	6	22	19	V	3.3	1.8	3	101
250051004	2011	6	22	20	V	3.2	1.8	3.59	104
250051004	2011	6	22	21	V	3.1	1.7	4.42	116
250051004	2011	6	22	22	V	3.0	2.2	3.18	141
250051004	2011	6	22	23	V	3.1	2	2.88	159
250051004	2011	6	22	24	V	6.8	1.8	1.25	163
250051004	2011	6	23	1	V	9.1	1.8	0.91	314
250051004	2011	6	23	2	V	6.4	1.8	2.84	340
250051004	2011	6	23	3	V	9.1	2.7	3.63	348
250051004	2011	6	23	4	V	7.6	2.1	3.86	345
250051004	2011	6	23	5	V	7.4	2	3.46	341
250051004	2011	6	23	6	V	8.0	5	3.42	343
250051004	2011	6	23	7	V	7.8	2.5	4.95	359
250051004	2011	6	23	8	V	7.5	2.5	5.31	353
250051004	2011	6	23	9	V	7.3	2.1	6.58	9
250051004	2011	6	23	10	V	7.3	2	6.53	17
250051004	2011	6	23	11	V	10.5	2	5.48	19
250051004	2011	6	23	12	V	18.4	1.9	5.68	28
250051004	2011	6	23	13	V	15.9	1.9	5.46	26
250051004	2011	6	23	14	V	16.9	1.9	5.79	30
250051004	2011	6	23	15	V	6.4	1.9	5.61	29
250051004	2011	6	23	16	V	6.0	1.9	4.76	36
250051004	2011	6	23	17	V	4.3	1.8	4.68	47
250051004	2011	6	23	18	V	3.6	1.9	4.14	40
250051004	2011	6	23	19	V	3.3	1.9	3.88	26
250051004	2011	6	23	20	V	3.2	2.3	4.73	25
250051004	2011	6	23	21	V	3.1	2	3.3	33
250051004	2011	6	23	22	V	3.0	1.9	4.32	36
250051004	2011	6	23	23	V	3.1	2	4.22	29
250051004	2011	6	23	24	V	6.8	2	4.25	18
250051004	2011	6	24	1	V	9.1	2.3	4.07	20
250051004	2011	6	24	2	V	6.4	1.9	3.95	26
250051004	2011	6	24	3	V	9.1	1.9	3.63	13
250051004	2011	6	24	4	V	7.6	1.8	4.34	22
250051004	2011	6	24	5	V	7.4	1.9	3.44	26
250051004	2011	6	24	6	V	8.0	2	3.93	21
250051004	2011	6	24	7	V	7.8	1.9	3.75	24
250051004	2011	6	24	8	V	7.5	1.9	4.1	22
250051004	2011	6	24	9	V	7.3	1.8	4.05	22
250051004	2011	6	24	10	V	7.3	2	3.46	27

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	24	11	V	10.5	1.8	3.51	27
250051004	2011	6	24	12	V	18.4	1.9	3.86	31
250051004	2011	6	24	13	V	15.9	2.2	4.14	28
250051004	2011	6	24	14	V	16.9	2	3.34	37
250051004	2011	6	24	15	V	6.4	2.1	3.22	44
250051004	2011	6	24	16	V	6.0	2.1	4.19	32
250051004	2011	6	24	17	V	4.3	2.1	5.34	32
250051004	2011	6	24	18	V	3.6	2.1	5.17	34
250051004	2011	6	24	19	V	3.3	2	5.02	35
250051004	2011	6	24	20	V	3.2	1.9	4.61	34
250051004	2011	6	24	21	V	3.1	1.8	4.51	48
250051004	2011	6	24	22	V	3.0	-999	4.05	45
250051004	2011	6	24	23	V	3.1	1.7	3.74	32
250051004	2011	6	24	24	V	6.8	1.8	4.07	32
250051004	2011	6	25	1	V	9.1	1.9	4.24	37
250051004	2011	6	25	2	V	6.4	1.8	3.71	33
250051004	2011	6	25	3	V	9.1	1.9	3.13	37
250051004	2011	6	25	4	V	7.6	1.9	3.47	22
250051004	2011	6	25	5	V	7.4	1.8	3.15	12
250051004	2011	6	25	6	V	8.0	1.9	3.44	348
250051004	2011	6	25	7	V	7.8	1.9	4.46	353
250051004	2011	6	25	8	V	7.5	2	3.88	353
250051004	2011	6	25	9	V	7.3	1.9	3.63	349
250051004	2011	6	25	10	V	7.3	1.7	3.83	2
250051004	2011	6	25	11	V	10.5	1.8	2.1	42
250051004	2011	6	25	12	V	18.4	1.9	1.26	333
250051004	2011	6	25	13	V	15.9	2.1	1.62	75
250051004	2011	6	25	14	V	16.9	2.5	2.13	105
250051004	2011	6	25	15	V	6.4	2.1	2.57	158
250051004	2011	6	25	16	V	6.0	2	3.56	153
250051004	2011	6	25	17	V	4.3	2.1	4.34	150
250051004	2011	6	25	18	V	3.6	2	5.29	162
250051004	2011	6	25	19	V	3.3	1.9	2.66	160
250051004	2011	6	25	20	V	3.2	2.2	2.71	177
250051004	2011	6	25	21	V	3.1	2	3.91	161
250051004	2011	6	25	22	V	3.0	1.7	4	184
250051004	2011	6	25	23	V	3.1	1.7	3.1	191
250051004	2011	6	25	24	V	6.8	1.7	3.86	185
250051004	2011	6	26	1	V	9.1	2.1	3.32	189
250051004	2011	6	26	2	V	6.4	2.3	2.66	210
250051004	2011	6	26	3	V	9.1	2.4	1.72	212
250051004	2011	6	26	4	V	7.6	2.3	1.71	191
250051004	2011	6	26	5	V	7.4	2.1	1.89	188
250051004	2011	6	26	6	V	8.0	2.3	1.52	198
250051004	2011	6	26	7	V	7.8	2.3	1.43	246
250051004	2011	6	26	8	V	7.5	1.9	0.97	197

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	26	9	V	7.3	2	1.01	211
250051004	2011	6	26	10	V	7.3	1.5	1.18	187
250051004	2011	6	26	11	V	10.5	1.7	2.55	135
250051004	2011	6	26	12	V	18.4	1.8	4.32	154
250051004	2011	6	26	13	V	15.9	1.8	4.24	157
250051004	2011	6	26	14	V	16.9	1.9	5.34	151
250051004	2011	6	26	15	V	6.4	1.9	5.36	153
250051004	2011	6	26	16	V	6.0	1.9	4.41	147
250051004	2011	6	26	17	V	4.3	1.9	3.29	160
250051004	2011	6	26	18	V	3.6	1.8	3.54	143
250051004	2011	6	26	19	V	3.3	1.7	2.49	183
250051004	2011	6	26	20	V	3.2	1.9	2.78	241
250051004	2011	6	26	21	V	3.1	1.8	1.62	219
250051004	2011	6	26	22	V	3.0	1.6	2.72	247
250051004	2011	6	26	23	V	3.1	1.8	2.84	270
250051004	2011	6	26	24	V	6.8	2	2.28	257
250051004	2011	6	27	1	V	9.1	2	1.54	285
250051004	2011	6	27	2	V	6.4	1.9	1.6	303
250051004	2011	6	27	3	V	9.1	1.9	2.1	301
250051004	2011	6	27	4	V	7.6	1.9	2.13	307
250051004	2011	6	27	5	V	7.4	1.8	2.11	304
250051004	2011	6	27	6	V	8.0	4.9	2.05	301
250051004	2011	6	27	7	V	13.9	5.2	2.4	339
250051004	2011	6	27	8	V	8.0	3.5	1.71	6
250051004	2011	6	27	9	V	8.1	17.4	1.69	35
250051004	2011	6	27	10	V	17.2	52.1	1.99	312
250051004	2011	6	27	11	V	11.5	2.8	1.93	267
250051004	2011	6	27	12	V	19.7	2.7	1.77	172
250051004	2011	6	27	13	V	16.1	2.2	4.51	155
250051004	2011	6	27	14	V	17.0	2	5.11	152
250051004	2011	6	27	15	V	6.5	2	5.24	156
250051004	2011	6	27	16	V	6.1	1.9	5.73	172
250051004	2011	6	27	17	V	4.4	1.9	5.48	188
250051004	2011	6	27	18	V	3.7	1.8	5.12	202
250051004	2011	6	27	19	V	3.3	1.8	4.1	201
250051004	2011	6	27	20	V	3.2	1.9	3.07	195
250051004	2011	6	27	21	V	3.1	2.2	3.41	198
250051004	2011	6	27	22	V	3.0	-999	2.91	197
250051004	2011	6	27	23	V	3.1	1.8	1.99	196
250051004	2011	6	27	24	V	6.8	1.9	1.62	165
250051004	2011	6	28	1	V	9.1	1.9	1.23	179
250051004	2011	6	28	2	V	6.4	3.2	1.23	169
250051004	2011	6	28	3	V	9.1	2	1.23	169
250051004	2011	6	28	4	V	7.6	2.1	1.48	188
250051004	2011	6	28	5	V	7.4	2.3	1.16	191
250051004	2011	6	28	6	V	8.0	2.4	0.84	188

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	28	7	V	8.2	2.6	1.45	195
250051004	2011	6	28	8	V	7.7	4.2	2.18	173
250051004	2011	6	28	9	V	7.4	4.5	3.1	151
250051004	2011	6	28	10	V	7.4	3	3.64	143
250051004	2011	6	28	11	V	10.7	2.8	4.02	153
250051004	2011	6	28	12	V	18.5	2.8	4.82	160
250051004	2011	6	28	13	V	16.0	2.3	5.41	149
250051004	2011	6	28	14	V	17.0	2.3	4.95	147
250051004	2011	6	28	15	V	6.5	2.2	5.56	150
250051004	2011	6	28	16	V	6.1	2.2	5.33	155
250051004	2011	6	28	17	V	4.4	2.3	5.77	154
250051004	2011	6	28	18	V	3.7	2.7	5.19	160
250051004	2011	6	28	19	V	3.3	2.6	4.58	153
250051004	2011	6	28	20	V	3.2	2.6	3.34	152
250051004	2011	6	28	21	V	3.1	2.7	3.05	159
250051004	2011	6	28	22	V	3.0	2.5	2.81	172
250051004	2011	6	28	23	V	3.1	2.4	2.42	169
250051004	2011	6	28	24	V	6.8	2.1	2.38	192
250051004	2011	6	29	1	V	9.1	2.6	3	200
250051004	2011	6	29	2	V	6.4	4.5	2.84	195
250051004	2011	6	29	3	V	9.1	3.1	2.47	213
250051004	2011	6	29	4	V	7.6	3.3	3.4	177
250051004	2011	6	29	5	V	7.4	2.7	1.77	257
250051004	2011	6	29	6	V	8.0	3.6	1.33	219
250051004	2011	6	29	7	V	7.8	4.7	2.32	247
250051004	2011	6	29	8	V	7.5	3.8	2.59	245
250051004	2011	6	29	9	V	7.4	2.7	2.4	268
250051004	2011	6	29	10	V	7.5	2.4	2.04	260
250051004	2011	6	29	11	V	10.7	2.3	2.91	273
250051004	2011	6	29	12	V	18.4	2.5	4.31	275
250051004	2011	6	29	13	V	16.0	2.6	4.9	277
250051004	2011	6	29	14	V	17.0	2.4	6.14	266
250051004	2011	6	29	15	V	6.4	2.8	5.53	270
250051004	2011	6	29	16	V	6.0	2.3	6.07	293
250051004	2011	6	29	17	V	4.4	2.1	6.38	294
250051004	2011	6	29	18	V	3.6	2.1	5.62	296
250051004	2011	6	29	19	V	3.3	2.3	4.83	297
250051004	2011	6	29	20	V	3.2	2.3	4.46	298
250051004	2011	6	29	21	V	3.1	2	3.29	289
250051004	2011	6	29	22	V	3.0	2.2	2.44	269
250051004	2011	6	29	23	V	3.1	2.4	2.5	278
250051004	2011	6	29	24	V	6.8	2.4	4.46	293
250051004	2011	6	30	1	V	9.1	2.2	3.3	293
250051004	2011	6	30	2	V	6.4	2	2.81	290
250051004	2011	6	30	3	V	9.1	2.2	2.91	262
250051004	2011	6	30	4	V	7.6	2.2	3.12	271

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	6	30	5	V	7.4	2.5	2.73	282
250051004	2011	6	30	6	V	8.0	2.7	3.75	293
250051004	2011	6	30	7	V	7.8	2.5	3.63	292
250051004	2011	6	30	8	V	7.5	2.2	4.25	285
250051004	2011	6	30	9	V	7.3	2.1	4.88	289
250051004	2011	6	30	10	V	7.3	2.1	5.43	303
250051004	2011	6	30	11	V	10.5	2.1	5.8	284
250051004	2011	6	30	12	V	18.4	1.9	6.01	287
250051004	2011	6	30	13	V	15.9	2.1	6.23	299
250051004	2011	6	30	14	V	16.9	2.5	5.39	288
250051004	2011	6	30	15	V	6.4	2.4	5.24	285
250051004	2011	6	30	16	V	6.0	2.1	4.65	282
250051004	2011	6	30	17	V	4.3	2	5.58	272
250051004	2011	6	30	18	V	3.6	2	4.92	279
250051004	2011	6	30	19	V	3.3	2.1	3.32	282
250051004	2011	6	30	20	V	3.2	2	2.96	254
250051004	2011	6	30	21	V	3.1	1.2	2.55	265
250051004	2011	6	30	22	V	3.0	-999	2.25	245
250051004	2011	6	30	23	V	3.1	1.9	2.1	261
250051004	2011	6	30	24	V	6.8	2.1	2.03	283
250051004	2011	7	1	1	V	9.1	2.4	2.06	240
250051004	2011	7	1	2	V	6.4	2.8	2.06	242
250051004	2011	7	1	3	V	9.1	2.5	1.99	262
250051004	2011	7	1	4	V	7.6	2.7	1.67	262
250051004	2011	7	1	5	V	7.4	2.9	1.6	273
250051004	2011	7	1	6	V	8.0	3.1	1.64	288
250051004	2011	7	1	7	V	7.8	2.7	1.86	345
250051004	2011	7	1	8	V	7.5	2.4	3.64	343
250051004	2011	7	1	9	V	7.3	2.5	3.13	347
250051004	2011	7	1	10	V	7.3	2.6	2.37	350
250051004	2011	7	1	11	V	10.5	2.7	2.67	324
250051004	2011	7	1	12	V	18.4	2.9	2.78	337
250051004	2011	7	1	13	V	15.9	2.6	3	320
250051004	2011	7	1	14	V	16.9	2.5	3.46	327
250051004	2011	7	1	15	V	6.4	2.6	3.37	340
250051004	2011	7	1	16	V	6.0	2.7	3.51	310
250051004	2011	7	1	17	V	4.3	2.6	3.32	22
250051004	2011	7	1	18	V	3.6	2.7	3.35	146
250051004	2011	7	1	19	V	3.3	2.7	3.12	170
250051004	2011	7	1	20	V	3.2	2.3	2.08	170
250051004	2011	7	1	21	V	3.1	2.1	2.11	157
250051004	2011	7	1	22	V	3.0	2	1.62	134
250051004	2011	7	1	23	V	3.1	1.9	1.5	188
250051004	2011	7	1	24	V	6.8	1.9	1.55	187
250051004	2011	7	2	1	V	9.1	2	1.01	187
250051004	2011	7	2	2	V	6.4	1.9	1.79	263

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	2	3	V	9.1	1.8	1.57	279
250051004	2011	7	2	4	V	7.6	1.7	1.47	320
250051004	2011	7	2	5	V	7.4	1.9	1.94	339
250051004	2011	7	2	6	V	8.0	2.1	1.71	329
250051004	2011	7	2	7	V	7.8	2.5	1.94	353
250051004	2011	7	2	8	V	7.5	2.9	1.79	19
250051004	2011	7	2	9	V	7.3	3.5	1.3	17
250051004	2011	7	2	10	V	7.3	3.6	1.77	127
250051004	2011	7	2	11	V	10.5	3	2.86	138
250051004	2011	7	2	12	V	18.4	2.6	3.1	140
250051004	2011	7	2	13	V	15.9	2.1	5.07	153
250051004	2011	7	2	14	V	16.9	2	5.85	150
250051004	2011	7	2	15	V	6.4	2	5.53	148
250051004	2011	7	2	16	V	6.0	2.1	6.86	150
250051004	2011	7	2	17	V	4.3	2.2	6.53	151
250051004	2011	7	2	18	V	3.6	2.1	5.8	150
250051004	2011	7	2	19	V	3.3	2.1	4.7	153
250051004	2011	7	2	20	V	3.2	2.1	3.76	163
250051004	2011	7	2	21	V	3.1	2.1	3.49	164
250051004	2011	7	2	22	V	3.0	2.2	3.22	170
250051004	2011	7	2	23	V	3.1	2.1	2.98	186
250051004	2011	7	2	24	V	6.8	1.9	3	206
250051004	2011	7	3	1	V	9.1	1.9	2.08	175
250051004	2011	7	3	2	V	6.4	2	1.76	185
250051004	2011	7	3	3	V	9.1	1.9	2.18	175
250051004	2011	7	3	4	V	7.6	2.1	2.98	186
250051004	2011	7	3	5	V	7.4	2.1	2.5	197
250051004	2011	7	3	6	V	8.0	2.1	3.83	185
250051004	2011	7	3	7	V	7.8	2.3	4.17	185
250051004	2011	7	3	8	V	7.5	2.5	3.32	159
250051004	2011	7	3	9	V	7.3	2.5	3.86	155
250051004	2011	7	3	10	V	7.3	2.4	4.61	145
250051004	2011	7	3	11	V	10.5	2.5	4.94	146
250051004	2011	7	3	12	V	18.4	2.6	5.1	183
250051004	2011	7	3	13	V	16.0	2.5	4.7	196
250051004	2011	7	3	14	V	17.0	2.6	5.78	160
250051004	2011	7	3	15	V	6.4	2.6	5.02	167
250051004	2011	7	3	16	V	6.0	2.5	3.37	187
250051004	2011	7	3	17	V	4.4	2.4	3.78	161
250051004	2011	7	3	18	V	3.6	2.4	4.09	206
250051004	2011	7	3	19	V	3.3	2.2	4.17	212
250051004	2011	7	3	20	V	3.2	2.3	3.73	207
250051004	2011	7	3	21	V	3.1	2.4	2.84	200
250051004	2011	7	3	22	V	3.0	-999	2.95	207
250051004	2011	7	3	23	V	3.1	1.8	3.68	212
250051004	2011	7	3	24	V	6.8	2.4	3.47	227

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	4	1	V	9.1	2.3	2.3	225
250051004	2011	7	4	2	V	6.4	2.1	1.06	236
250051004	2011	7	4	3	V	9.1	2.2	2.69	200
250051004	2011	7	4	4	V	7.6	-999	2.27	175
250051004	2011	7	4	5	V	7.4	2	2.11	176
250051004	2011	7	4	6	V	8.0	2	2.78	195
250051004	2011	7	4	7	V	7.9	2.1	2.91	224
250051004	2011	7	4	8	V	7.6	2.2	2.78	262
250051004	2011	7	4	9	V	7.6	2.2	2.56	278
250051004	2011	7	4	10	V	7.6	2.4	2.39	274
250051004	2011	7	4	11	V	10.6	2.5	3.3	266
250051004	2011	7	4	12	V	18.4	2.8	4.53	263
250051004	2011	7	4	13	V	16.0	3	5.7	256
250051004	2011	7	4	14	V	17.0	2.8	5.87	265
250051004	2011	7	4	15	V	6.5	2.7	6.43	261
250051004	2011	7	4	16	V	6.1	2.5	6.48	261
250051004	2011	7	4	17	V	4.4	2.5	6.07	269
250051004	2011	7	4	18	V	3.7	2.6	4.07	277
250051004	2011	7	4	19	V	3.3	2.8	2.96	235
250051004	2011	7	4	20	V	3.2	2.9	2.54	221
250051004	2011	7	4	21	V	3.1	3.1	2.61	210
250051004	2011	7	4	22	V	3.0	2.9	3.39	245
250051004	2011	7	4	23	V	3.1	2.7	3.2	265
250051004	2011	7	4	24	V	6.8	2.4	3.17	268
250051004	2011	7	5	1	V	9.1	2.7	2.67	268
250051004	2011	7	5	2	V	6.4	2.6	3.17	266
250051004	2011	7	5	3	V	9.1	2.5	1.76	259
250051004	2011	7	5	4	V	7.6	2.2	1.79	264
250051004	2011	7	5	5	V	7.4	2.4	1.47	283
250051004	2011	7	5	6	V	8.0	2.9	1.79	285
250051004	2011	7	5	7	V	11.0	3.3	1.94	313
250051004	2011	7	5	8	V	8.8	3.8	2.78	355
250051004	2011	7	5	9	V	18.4	4	1.28	8
250051004	2011	7	5	10	V	10.4	3.6	1.52	91
250051004	2011	7	5	11	V	11.5	3.6	2.18	133
250051004	2011	7	5	12	V	19.2	18.3	3.05	151
250051004	2011	7	5	13	V	16.6	28.9	3.39	160
250051004	2011	7	5	14	V	17.4	62.4	4.12	151
250051004	2011	7	5	15	V	6.6	6.9	4.51	160
250051004	2011	7	5	16	V	6.2	2.6	4.41	159
250051004	2011	7	5	17	V	4.5	2.5	4.44	159
250051004	2011	7	5	18	V	3.8	2.5	4.44	222
250051004	2011	7	5	19	V	3.3	2.3	4.19	219
250051004	2011	7	5	20	V	3.2	2.7	2.67	220
250051004	2011	7	5	21	V	3.1	2.6	2.5	207
250051004	2011	7	5	22	V	3.0	2.7	2.76	228

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	5	23	V	3.1	2.4	3.06	254
250051004	2011	7	5	24	V	6.8	3	2.83	255
250051004	2011	7	6	1	V	9.1	13.3	1.67	236
250051004	2011	7	6	2	V	6.4	4.9	2.18	251
250051004	2011	7	6	3	V	9.1	2.8	3.47	262
250051004	2011	7	6	4	V	7.6	2.4	3.18	258
250051004	2011	7	6	5	V	7.4	5.1	2.57	259
250051004	2011	7	6	6	V	8.2	6.3	1.6	174
250051004	2011	7	6	7	V	9.0	-999	1.64	227
250051004	2011	7	6	8	V	8.9	-999	1.7	238
250051004	2011	7	6	9	V	8.5	-999	2.25	171
250051004	2011	7	6	10	V	7.8	3.6	3.46	146
250051004	2011	7	6	11	V	10.9	4.5	4.49	151
250051004	2011	7	6	12	V	18.6	4.2	4.51	147
250051004	2011	7	6	13	V	16.2	3.4	5.14	224
250051004	2011	7	6	14	V	17.2	2.8	6.02	219
250051004	2011	7	6	15	V	6.6	3.4	6.35	237
250051004	2011	7	6	16	V	6.2	3.5	7.11	214
250051004	2011	7	6	17	V	4.5	2.9	7.04	209
250051004	2011	7	6	18	V	3.7	2.6	6.43	215
250051004	2011	7	6	19	V	3.3	2.7	5.1	216
250051004	2011	7	6	20	V	3.2	2.2	4.34	218
250051004	2011	7	6	21	V	3.1	2.1	3.49	239
250051004	2011	7	6	22	V	3.0	-999	2.49	273
250051004	2011	7	6	23	V	3.1	2.5	1.96	220
250051004	2011	7	6	24	V	6.8	2.4	2.18	218
250051004	2011	7	7	1	V	9.1	13.1	1.93	203
250051004	2011	7	7	2	V	6.4	5.5	2.11	251
250051004	2011	7	7	3	V	9.1	2.9	1.98	245
250051004	2011	7	7	4	V	7.6	2.1	1.5	203
250051004	2011	7	7	5	V	7.4	2.5	1.86	274
250051004	2011	7	7	6	V	8.3	2.7	1.64	255
250051004	2011	7	7	7	V	16.8	3.4	2.45	312
250051004	2011	7	7	8	V	16.2	10.4	3.39	342
250051004	2011	7	7	9	V	7.5	2.8	3.47	357
250051004	2011	7	7	10	V	25.1	2.4	2.71	347
250051004	2011	7	7	11	V	117.2	5.9	2.98	331
250051004	2011	7	7	12	V	33.5	34.6	2.39	305
250051004	2011	7	7	13	V	24.8	9.8	3.24	306
250051004	2011	7	7	14	V	22.3	2.5	2.72	302
250051004	2011	7	7	15	V	6.8	2.5	2.91	190
250051004	2011	7	7	16	V	6.1	3.1	4.58	153
250051004	2011	7	7	17	V	4.5	3.7	3.9	175
250051004	2011	7	7	18	V	3.7	3.6	3.76	201
250051004	2011	7	7	19	V	3.3	3.5	3.47	221
250051004	2011	7	7	20	V	3.2	3.5	3.35	240

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	7	21	V	3.1	2.7	2.83	247
250051004	2011	7	7	22	V	3.0	2.5	2.52	144
250051004	2011	7	7	23	V	3.1	2.4	2.66	151
250051004	2011	7	7	24	V	6.8	2	2.81	163
250051004	2011	7	8	1	V	9.1	2.1	1.35	185
250051004	2011	7	8	2	V	6.4	1.9	1.69	148
250051004	2011	7	8	3	V	9.1	2	2.05	144
250051004	2011	7	8	4	V	7.6	2.1	2.33	130
250051004	2011	7	8	5	V	7.4	2.1	1.91	105
250051004	2011	7	8	6	V	8.0	2.1	2.39	108
250051004	2011	7	8	7	V	7.8	2.1	2.44	107
250051004	2011	7	8	8	V	7.5	2.1	2.52	34
250051004	2011	7	8	9	V	7.3	3	3.08	33
250051004	2011	7	8	10	V	7.3	2.3	3.8	45
250051004	2011	7	8	11	V	10.6	2.1	2.95	71
250051004	2011	7	8	12	V	18.4	2.1	3.17	35
250051004	2011	7	8	13	V	16.0	2.2	3.29	69
250051004	2011	7	8	14	V	17.1	2.3	2.44	99
250051004	2011	7	8	15	V	6.4	2.1	3.85	128
250051004	2011	7	8	16	V	6.0	2.1	3.78	132
250051004	2011	7	8	17	V	4.4	2.1	3.08	152
250051004	2011	7	8	18	V	3.7	2.1	2.69	130
250051004	2011	7	8	19	V	3.3	2.1	2.16	134
250051004	2011	7	8	20	V	3.2	2.1	2.18	81
250051004	2011	7	8	21	V	3.1	2.2	3.17	4
250051004	2011	7	8	22	V	3.0	2.1	2.06	345
250051004	2011	7	8	23	V	3.1	2.1	1.45	104
250051004	2011	7	8	24	V	6.8	2.1	2.18	123
250051004	2011	7	9	1	V	9.1	2.2	1.79	68
250051004	2011	7	9	2	V	6.4	2.3	2.2	11
250051004	2011	7	9	3	V	9.1	2.5	2.44	22
250051004	2011	7	9	4	V	7.6	2.9	3.18	334
250051004	2011	7	9	5	V	7.4	3.3	1.84	320
250051004	2011	7	9	6	V	8.7	2.9	1.67	318
250051004	2011	7	9	7	V	8.0	4.1	1.84	283
250051004	2011	7	9	8	V	11.5	6.2	3.98	332
250051004	2011	7	9	9	V	8.9	6.9	4.51	342
250051004	2011	7	9	10	V	11.3	13.4	4.97	340
250051004	2011	7	9	11	V	15.1	17.3	5.19	341
250051004	2011	7	9	12	V	20.5	8.5	5.31	310
250051004	2011	7	9	13	V	20.3	7.8	5.51	314
250051004	2011	7	9	14	V	20.1	5	5.62	313
250051004	2011	7	9	15	V	16.6	9.1	5.26	324
250051004	2011	7	9	16	V	15.5	7.7	6.26	335
250051004	2011	7	9	17	V	6.9	18.1	5.99	341
250051004	2011	7	9	18	V	8.5	17.8	5.14	338

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	9	19	V	5.2	5.2	3.64	317
250051004	2011	7	9	20	V	3.2	2.3	2.83	329
250051004	2011	7	9	21	V	3.1	2.2	4.44	348
250051004	2011	7	9	22	V	3.0	-999	4.88	343
250051004	2011	7	9	23	V	3.1	2.1	3.08	346
250051004	2011	7	9	24	V	6.8	2.3	2.78	343
250051004	2011	7	10	1	V	9.1	2.1	2.49	338
250051004	2011	7	10	2	V	6.4	2	1.59	257
250051004	2011	7	10	3	V	9.1	3.9	1.35	279
250051004	2011	7	10	4	V	7.6	2.8	1.45	278
250051004	2011	7	10	5	V	7.4	2.2	1.01	283
250051004	2011	7	10	6	V	8.0	2.2	1.33	282
250051004	2011	7	10	7	V	13.4	2.4	1.31	316
250051004	2011	7	10	8	V	7.8	3.3	1.59	21
250051004	2011	7	10	9	V	7.7	5.5	1.37	69
250051004	2011	7	10	10	V	7.4	7.3	1.99	195
250051004	2011	7	10	11	V	10.5	3.5	4.7	148
250051004	2011	7	10	12	V	18.4	3	4.14	151
250051004	2011	7	10	13	V	15.9	2.6	6.07	166
250051004	2011	7	10	14	V	17.0	2.2	6.21	146
250051004	2011	7	10	15	V	6.4	2.8	6.23	155
250051004	2011	7	10	16	V	6.0	2.8	5.87	177
250051004	2011	7	10	17	V	4.4	2.8	5.9	228
250051004	2011	7	10	18	V	3.7	2.8	5.07	234
250051004	2011	7	10	19	V	3.3	2.8	4.17	223
250051004	2011	7	10	20	V	3.2	2.9	3.56	222
250051004	2011	7	10	21	V	3.1	2.8	3.4	228
250051004	2011	7	10	22	V	3.0	2.9	3.27	238
250051004	2011	7	10	23	V	3.1	2.9	2.25	221
250051004	2011	7	10	24	V	6.8	2.9	1.77	202
250051004	2011	7	11	1	V	9.1	10.5	1.67	209
250051004	2011	7	11	2	V	6.4	3.5	1.45	223
250051004	2011	7	11	3	V	9.1	3.2	1.6	201
250051004	2011	7	11	4	V	7.6	3	2.23	190
250051004	2011	7	11	5	V	7.4	3.4	1.69	159
250051004	2011	7	11	6	V	8.0	6.1	2.57	181
250051004	2011	7	11	7	V	8.0	7.2	2.11	174
250051004	2011	7	11	8	V	7.8	7.8	2.33	156
250051004	2011	7	11	9	V	7.6	4.3	3.2	153
250051004	2011	7	11	10	V	7.5	3.1	3.71	143
250051004	2011	7	11	11	V	10.6	2.9	5.22	149
250051004	2011	7	11	12	V	18.5	4.3	5.96	150
250051004	2011	7	11	13	V	16.0	6.3	5.75	148
250051004	2011	7	11	14	V	17.1	6.1	5.65	146
250051004	2011	7	11	15	V	6.5	3.9	5.82	177
250051004	2011	7	11	16	V	6.1	4	6.18	202

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	11	17	V	4.4	4.1	6.12	203
250051004	2011	7	11	18	V	3.7	3.8	5.28	211
250051004	2011	7	11	19	V	3.3	3.6	5.73	217
250051004	2011	7	11	20	V	3.2	3.4	5.82	225
250051004	2011	7	11	21	V	3.1	3.3	5.62	222
250051004	2011	7	11	22	V	3.0	2.8	5.36	213
250051004	2011	7	11	23	V	3.1	2.6	5.14	213
250051004	2011	7	11	24	V	6.8	2.5	5.8	218
250051004	2011	7	12	1	V	9.1	8.4	6.07	225
250051004	2011	7	12	2	V	6.4	6.2	5.75	226
250051004	2011	7	12	3	V	9.1	6.4	5.84	221
250051004	2011	7	12	4	V	7.6	7.8	5.97	208
250051004	2011	7	12	5	V	7.4	8.2	4.75	201
250051004	2011	7	12	6	V	8.0	5	4.61	205
250051004	2011	7	12	7	V	7.9	-999	3.63	213
250051004	2011	7	12	8	V	7.5	-999	4.05	234
250051004	2011	7	12	9	V	7.4	-999	4.46	254
250051004	2011	7	12	10	V	7.4	-999	4.58	287
250051004	2011	7	12	11	V	10.6	0.5	5.16	282
250051004	2011	7	12	12	V	18.4	0.3	6.14	286
250051004	2011	7	12	13	V	16.0	0.1	5.9	297
250051004	2011	7	12	14	V	17.1	0.1	5.67	294
250051004	2011	7	12	15	V	6.5	0	5.75	286
250051004	2011	7	12	16	V	6.1	0	6.14	290
250051004	2011	7	12	17	V	4.5	0	5.92	297
250051004	2011	7	12	18	V	3.8	0	4.97	296
250051004	2011	7	12	19	V	3.3	0	3.85	298
250051004	2011	7	12	20	V	3.2	0.1	3.49	284
250051004	2011	7	12	21	V	3.1	0.4	3.09	272
250051004	2011	7	12	22	V	3.0	-999	3.13	290
250051004	2011	7	12	23	V	3.1	0	3.36	292
250051004	2011	7	12	24	V	6.8	0	3.86	285
250051004	2011	7	13	1	V	9.1	0	3.86	279
250051004	2011	7	13	2	V	6.4	0.1	2.36	279
250051004	2011	7	13	3	V	9.1	0.6	2.96	283
250051004	2011	7	13	4	V	7.6	0.6	2.93	289
250051004	2011	7	13	5	V	7.4	0.4	2.86	306
250051004	2011	7	13	6	V	8.6	0.8	2.33	308
250051004	2011	7	13	7	V	16.5	5.4	3.56	318
250051004	2011	7	13	8	V	45.3	0.2	4.17	330
250051004	2011	7	13	9	V	49.0	0	3.66	336
250051004	2011	7	13	10	V	45.8	0	3.8	336
250051004	2011	7	13	11	V	37.0	0	3.4	340
250051004	2011	7	13	12	V	60.3	0	2.49	328
250051004	2011	7	13	13	V	21.5	1.2	3.22	302
250051004	2011	7	13	14	V	19.6	7.3	2.56	294

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	13	15	V	11.6	22.6	2.3	297
250051004	2011	7	13	16	V	6.3	0	4.31	143
250051004	2011	7	13	17	V	4.5	0.9	5.51	165
250051004	2011	7	13	18	V	3.7	0	5.58	25
250051004	2011	7	13	19	V	3.3	0	4.31	26
250051004	2011	7	13	20	V	3.2	0	2.95	77
250051004	2011	7	13	21	V	3.1	8.1	2.73	109
250051004	2011	7	13	22	V	3.0	1.2	2.3	29
250051004	2011	7	13	23	V	3.1	0	3.32	324
250051004	2011	7	13	24	V	6.8	0	4.14	343
250051004	2011	7	14	1	V	9.1	0	5.84	2
250051004	2011	7	14	2	V	6.4	0	4.76	339
250051004	2011	7	14	3	V	9.1	0.6	6.46	4
250051004	2011	7	14	4	V	7.6	0	4.86	11
250051004	2011	7	14	5	V	7.4	0	5.36	348
250051004	2011	7	14	6	V	8.0	0	6.96	13
250051004	2011	7	14	7	V	7.9	0	7.96	22
250051004	2011	7	14	8	V	7.5	-999	6.96	25
250051004	2011	7	14	9	V	7.3	0.4	8.46	42
250051004	2011	7	14	10	V	7.3	0.2	7.46	37
250051004	2011	7	14	11	V	10.6	0.3	6.18	32
250051004	2011	7	14	12	V	18.5	0.3	6.26	28
250051004	2011	7	14	13	V	16.0	0.4	6.67	34
250051004	2011	7	14	14	V	17.0	0.3	7.43	39
250051004	2011	7	14	15	V	6.5	0.3	6.14	47
250051004	2011	7	14	16	V	6.2	0.3	4.12	63
250051004	2011	7	14	17	V	4.6	0.5	3.22	70
250051004	2011	7	14	18	V	4.1	0.5	1.87	103
250051004	2011	7	14	19	V	3.3	0.5	2.11	167
250051004	2011	7	14	20	V	3.2	2.4	1.94	185
250051004	2011	7	14	21	V	3.1	1.2	3.69	231
250051004	2011	7	14	22	V	3.0	0.6	4.37	260
250051004	2011	7	14	23	V	3.1	0.7	3.91	255
250051004	2011	7	14	24	V	6.8	0.6	3.24	265
250051004	2011	7	15	1	V	9.1	0.6	2.4	296
250051004	2011	7	15	2	V	6.4	0.8	1.76	271
250051004	2011	7	15	3	V	9.1	3.1	1.59	264
250051004	2011	7	15	4	V	7.6	1.9	1.59	280
250051004	2011	7	15	5	V	7.4	0.6	1.62	262
250051004	2011	7	15	6	V	8.0	0.7	1.76	269
250051004	2011	7	15	7	V	12.9	0.9	2.37	320
250051004	2011	7	15	8	V	10.4	0.7	3.03	344
250051004	2011	7	15	9	V	28.6	5.5	2.88	341
250051004	2011	7	15	10	V	9.8	6.7	4.32	348
250051004	2011	7	15	11	V	32.1	0.4	4.46	337
250051004	2011	7	15	12	V	29.2	2.4	4.36	344

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	15	13	V	31.6	0.6	4.34	342
250051004	2011	7	15	14	V	17.2	0.8	3.8	19
250051004	2011	7	15	15	V	6.6	0.7	5.07	123
250051004	2011	7	15	16	V	6.1	0.4	5.31	161
250051004	2011	7	15	17	V	4.5	0.4	4.17	175
250051004	2011	7	15	18	V	3.8	0.5	3.3	146
250051004	2011	7	15	19	V	3.3	0.6	2.86	152
250051004	2011	7	15	20	V	3.2	0.6	3.98	168
250051004	2011	7	15	21	V	3.1	0.4	3.76	176
250051004	2011	7	15	22	V	3.0	-999	2.91	187
250051004	2011	7	15	23	V	3.1	0.2	1.87	205
250051004	2011	7	15	24	V	6.8	0.2	2.45	211
250051004	2011	7	16	1	V	9.1	0.4	2.25	210
250051004	2011	7	16	2	V	6.4	0.4	0.82	240
250051004	2011	7	16	3	V	9.1	0.3	0.72	156
250051004	2011	7	16	4	V	7.6	0.3	0.91	78
250051004	2011	7	16	5	V	7.4	0.4	1.23	156
250051004	2011	7	16	6	V	8.1	0.6	1.88	231
250051004	2011	7	16	7	V	8.3	0.9	1.77	224
250051004	2011	7	16	8	V	9.7	1	1.4	224
250051004	2011	7	16	9	V	9.6	0.7	1.55	231
250051004	2011	7	16	10	V	17.5	26	1.55	300
250051004	2011	7	16	11	V	11.2	34.7	2.5	194
250051004	2011	7	16	12	V	18.6	0.7	4.95	150
250051004	2011	7	16	13	V	16.1	0.5	4.94	145
250051004	2011	7	16	14	V	17.1	0.5	5.41	159
250051004	2011	7	16	15	V	6.5	0.5	5.62	141
250051004	2011	7	16	16	V	6.1	0.6	5.84	175
250051004	2011	7	16	17	V	4.5	0.6	6.31	201
250051004	2011	7	16	18	V	3.7	0.8	5.36	206
250051004	2011	7	16	19	V	3.3	0.8	4.05	219
250051004	2011	7	16	20	V	3.2	1	3.35	222
250051004	2011	7	16	21	V	3.1	1	2.76	234
250051004	2011	7	16	22	V	3.0	1.1	2.93	238
250051004	2011	7	16	23	V	3.1	1	3.05	229
250051004	2011	7	16	24	V	6.8	0.8	2.25	209
250051004	2011	7	17	1	V	9.1	0.6	2.61	224
250051004	2011	7	17	2	V	6.4	0.6	2.28	215
250051004	2011	7	17	3	V	9.1	0.4	1.67	219
250051004	2011	7	17	4	V	7.6	0.6	1.79	262
250051004	2011	7	17	5	V	7.4	0.7	4.14	263
250051004	2011	7	17	6	V	8.0	0.8	5.04	269
250051004	2011	7	17	7	V	7.9	0.7	4.68	272
250051004	2011	7	17	8	V	7.5	1	4.85	269
250051004	2011	7	17	9	V	7.4	1.6	4.76	271
250051004	2011	7	17	10	V	7.3	0.7	6.41	260

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	17	11	V	10.6	0.7	6.21	251
250051004	2011	7	17	12	V	18.6	0.6	6.4	249
250051004	2011	7	17	13	V	16.1	0.6	6.94	239
250051004	2011	7	17	14	V	17.1	0.6	7.38	241
250051004	2011	7	17	15	V	6.6	0.7	7.98	242
250051004	2011	7	17	16	V	6.2	1.2	7.37	236
250051004	2011	7	17	17	V	4.5	1.1	6.92	219
250051004	2011	7	17	18	V	3.7	0.8	7.2	216
250051004	2011	7	17	19	V	3.3	0.8	5.61	216
250051004	2011	7	17	20	V	3.2	0.7	4.78	222
250051004	2011	7	17	21	V	3.1	0.6	4.68	225
250051004	2011	7	17	22	V	3.0	0.5	4.66	222
250051004	2011	7	17	23	V	3.1	0.4	4.29	220
250051004	2011	7	17	24	V	6.8	0.4	3.59	224
250051004	2011	7	18	1	V	9.1	7	2.49	206
250051004	2011	7	18	2	V	6.4	3.6	3.85	218
250051004	2011	7	18	3	V	9.1	1.2	4.19	226
250051004	2011	7	18	4	V	7.6	-999	4.41	231
250051004	2011	7	18	5	V	7.4	0.7	5.12	242
250051004	2011	7	18	6	V	8.0	1	5.78	255
250051004	2011	7	18	7	V	7.9	1.4	5.63	254
250051004	2011	7	18	8	V	7.6	1.7	4.36	243
250051004	2011	7	18	9	V	7.4	1.7	3.92	235
250051004	2011	7	18	10	V	7.4	1.9	4.12	236
250051004	2011	7	18	11	V	10.6	2	4.12	255
250051004	2011	7	18	12	V	18.5	3.8	5.48	260
250051004	2011	7	18	13	V	16.0	2	6.28	276
250051004	2011	7	18	14	V	17.1	1.8	3.8	244
250051004	2011	7	18	15	V	6.5	1.7	4.07	214
250051004	2011	7	18	16	V	6.1	1.8	3.71	237
250051004	2011	7	18	17	V	4.4	1.6	3.8	295
250051004	2011	7	18	18	V	3.9	1.3	2.66	298
250051004	2011	7	18	19	V	3.3	1.3	3.07	263
250051004	2011	7	18	20	V	3.2	1.1	2.61	242
250051004	2011	7	18	21	V	3.1	1	2.01	245
250051004	2011	7	18	22	V	3.0	-999	2.47	259
250051004	2011	7	18	23	V	3.1	0.7	2.62	260
250051004	2011	7	18	24	V	6.8	0.8	2.88	261
250051004	2011	7	19	1	V	9.1	1.3	2.57	256
250051004	2011	7	19	2	V	6.4	0.8	2.74	262
250051004	2011	7	19	3	V	9.1	0.7	2.32	269
250051004	2011	7	19	4	V	7.6	0.9	1.59	288
250051004	2011	7	19	5	V	7.4	1.9	1.4	172
250051004	2011	7	19	6	V	8.2	1.4	1.65	271
250051004	2011	7	19	7	V	117.0	1.2	1.62	316
250051004	2011	7	19	8	V	8.9	1.5	2.93	357

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	19	9	V	13.5	1.3	3.95	347
250051004	2011	7	19	10	V	10.2	0.7	3.81	352
250051004	2011	7	19	11	V	20.6	1.6	3.66	348
250051004	2011	7	19	12	V	64.6	0.8	3.73	333
250051004	2011	7	19	13	V	43.2	3.1	3.32	341
250051004	2011	7	19	14	V	64.1	6.3	3.88	326
250051004	2011	7	19	15	V	32.4	1	3.83	314
250051004	2011	7	19	16	V	52.7	0.7	4	322
250051004	2011	7	19	17	V	13.5	0.8	3.85	347
250051004	2011	7	19	18	V	25.4	1.1	3.76	340
250051004	2011	7	19	19	V	3.3	1.5	3.29	359
250051004	2011	7	19	20	V	3.2	1.4	2.04	37
250051004	2011	7	19	21	V	3.1	1.3	1.26	140
250051004	2011	7	19	22	V	3.0	1.5	1.14	183
250051004	2011	7	19	23	V	3.1	1.4	1.2	234
250051004	2011	7	19	24	V	6.8	1.2	1.55	285
250051004	2011	7	20	1	V	9.1	0.8	1.45	246
250051004	2011	7	20	2	V	6.4	0.8	1.76	273
250051004	2011	7	20	3	V	9.1	0.8	1.13	272
250051004	2011	7	20	4	V	7.6	0.7	1.06	288
250051004	2011	7	20	5	V	7.4	0.6	1.04	297
250051004	2011	7	20	6	V	8.0	1	1.38	272
250051004	2011	7	20	7	V	8.1	3.7	1.16	244
250051004	2011	7	20	8	V	15.4	3.8	0.62	64
250051004	2011	7	20	9	V	7.6	5.5	2.03	143
250051004	2011	7	20	10	V	7.4	3.3	2.96	160
250051004	2011	7	20	11	V	10.6	3.8	4.88	151
250051004	2011	7	20	12	V	18.6	5.3	5.39	149
250051004	2011	7	20	13	V	16.1	3.5	6.58	189
250051004	2011	7	20	14	V	17.1	0.9	7.3	199
250051004	2011	7	20	15	V	6.5	1	8.03	199
250051004	2011	7	20	16	V	6.1	0.8	7.74	207
250051004	2011	7	20	17	V	4.5	0.9	7.16	215
250051004	2011	7	20	18	V	3.8	0.8	5.75	209
250051004	2011	7	20	19	V	3.3	0.8	4.53	199
250051004	2011	7	20	20	V	3.2	0.7	3.85	198
250051004	2011	7	20	21	V	3.1	0.6	3.93	188
250051004	2011	7	20	22	V	3.0	0.6	3.27	197
250051004	2011	7	20	23	V	3.1	0.5	4.53	201
250051004	2011	7	20	24	V	6.8	1	3.69	205
250051004	2011	7	21	1	V	9.1	2.7	3.52	207
250051004	2011	7	21	2	V	6.4	1.7	3.69	209
250051004	2011	7	21	3	V	9.1	1.4	3.2	215
250051004	2011	7	21	4	V	7.6	0.7	2.86	214
250051004	2011	7	21	5	V	7.4	1	2.74	204
250051004	2011	7	21	6	V	8.0	2.2	2.55	197

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	21	7	V	7.9	6.7	3.76	210
250051004	2011	7	21	8	V	7.6	4.9	3.95	214
250051004	2011	7	21	9	V	7.4	4.3	4.9	221
250051004	2011	7	21	10	V	7.4	4.3	5.56	217
250051004	2011	7	21	11	V	10.6	5.2	6.86	208
250051004	2011	7	21	12	V	18.5	2.3	8.73	222
250051004	2011	7	21	13	V	16.0	1.1	8.5	216
250051004	2011	7	21	14	V	17.0	0.9	8.66	211
250051004	2011	7	21	15	V	6.5	1.5	9.27	216
250051004	2011	7	21	16	V	6.1	1.4	7.38	212
250051004	2011	7	21	17	V	4.4	1.2	6.89	208
250051004	2011	7	21	18	V	3.7	1.1	6.23	213
250051004	2011	7	21	19	V	3.3	1.5	5.65	208
250051004	2011	7	21	20	V	3.2	1.2	5.56	207
250051004	2011	7	21	21	V	3.1	0.9	5.43	214
250051004	2011	7	21	22	V	3.0	-999	6.19	230
250051004	2011	7	21	23	V	3.1	0.8	6.12	234
250051004	2011	7	21	24	V	6.8	1.1	6.41	236
250051004	2011	7	22	1	V	9.1	1.7	5	235
250051004	2011	7	22	2	V	6.4	1.9	4.39	229
250051004	2011	7	22	3	V	9.1	3	3.44	215
250051004	2011	7	22	4	V	7.6	3.3	2.89	233
250051004	2011	7	22	5	V	7.4	1.4	2.15	237
250051004	2011	7	22	6	V	8.4	1.6	2.13	252
250051004	2011	7	22	7	V	7.9	1.6	3.39	257
250051004	2011	7	22	8	V	7.7	1.6	3.46	266
250051004	2011	7	22	9	V	7.5	1.8	4.05	275
250051004	2011	7	22	10	V	7.5	1.7	4.37	283
250051004	2011	7	22	11	V	10.7	1.4	5.33	271
250051004	2011	7	22	12	V	18.5	1.3	5.7	281
250051004	2011	7	22	13	V	16.0	1.1	6.96	270
250051004	2011	7	22	14	V	17.1	1.1	7.16	268
250051004	2011	7	22	15	V	6.5	1.3	6.74	264
250051004	2011	7	22	16	V	6.1	1.4	5.87	280
250051004	2011	7	22	17	V	4.5	1.2	4.71	288
250051004	2011	7	22	18	V	3.8	1.3	4.17	290
250051004	2011	7	22	19	V	3.3	1.2	3.51	303
250051004	2011	7	22	20	V	3.2	1.2	3.29	302
250051004	2011	7	22	21	V	3.1	1.5	2.23	288
250051004	2011	7	22	22	V	3.0	1.3	1.76	266
250051004	2011	7	22	23	V	3.1	1.6	1.91	244
250051004	2011	7	22	24	V	6.8	1.4	2.11	265
250051004	2011	7	23	1	V	9.1	1.3	1.99	262
250051004	2011	7	23	2	V	6.4	1.1	1.25	233
250051004	2011	7	23	3	V	9.1	1.2	1.62	213
250051004	2011	7	23	4	V	7.6	1.4	1.82	245

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	23	5	V	7.4	1.6	1.67	256
250051004	2011	7	23	6	V	8.0	1.9	1.25	223
250051004	2011	7	23	7	V	9.9	3.6	2.76	322
250051004	2011	7	23	8	V	7.5	1.7	2.81	353
250051004	2011	7	23	9	V	7.3	1.2	4.8	15
250051004	2011	7	23	10	V	7.3	1.2	4.63	19
250051004	2011	7	23	11	V	10.9	1.2	2.64	73
250051004	2011	7	23	12	V	18.5	3.8	3.49	136
250051004	2011	7	23	13	V	17.6	2.1	2.03	186
250051004	2011	7	23	14	V	17.3	1.2	3.56	199
250051004	2011	7	23	15	V	6.7	1.4	3.78	176
250051004	2011	7	23	16	V	6.1	2.3	6.09	166
250051004	2011	7	23	17	V	4.5	3.1	4.24	161
250051004	2011	7	23	18	V	3.8	2.1	2.81	150
250051004	2011	7	23	19	V	3.3	1.9	3.4	191
250051004	2011	7	23	20	V	3.2	2.1	3.17	229
250051004	2011	7	23	21	V	3.1	2	3.51	258
250051004	2011	7	23	22	V	3.0	1.7	3.41	264
250051004	2011	7	23	23	V	3.1	1.6	3.12	265
250051004	2011	7	23	24	V	6.8	1.7	2.55	279
250051004	2011	7	24	1	V	9.1	3.5	2.15	264
250051004	2011	7	24	2	V	6.4	2.5	2.49	259
250051004	2011	7	24	3	V	9.1	1.8	2.21	267
250051004	2011	7	24	4	V	7.6	1.7	2.66	259
250051004	2011	7	24	5	V	7.4	1.6	2.84	267
250051004	2011	7	24	6	V	8.0	6.6	2.22	289
250051004	2011	7	24	7	V	8.2	28.7	2.18	312
250051004	2011	7	24	8	V	8.8	4.4	2.23	346
250051004	2011	7	24	9	V	15.1	2.1	2.54	344
250051004	2011	7	24	10	V	7.3	3.3	4.17	356
250051004	2011	7	24	11	V	10.6	1.2	4.83	357
250051004	2011	7	24	12	V	18.5	1.1	4.1	2
250051004	2011	7	24	13	V	16.0	1	4.15	357
250051004	2011	7	24	14	V	32.1	1.4	2.95	315
250051004	2011	7	24	15	V	22.6	2.3	1.59	349
250051004	2011	7	24	16	V	8.4	1.5	1.72	28
250051004	2011	7	24	17	V	4.5	1.6	4.05	87
250051004	2011	7	24	18	V	3.7	1.4	3.83	104
250051004	2011	7	24	19	V	3.3	1	3.18	95
250051004	2011	7	24	20	V	3.2	0.7	2.78	68
250051004	2011	7	24	21	V	3.1	0.8	3.15	81
250051004	2011	7	24	22	V	3.0	-999	1.84	76
250051004	2011	7	24	23	V	3.1	0.5	1.4	118
250051004	2011	7	24	24	V	6.8	0.6	1.57	122
250051004	2011	7	25	1	V	9.1	1.2	1.43	206
250051004	2011	7	25	2	V	6.4	4.1	2.27	201

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	25	3	V	9.1	1.3	1.94	191
250051004	2011	7	25	4	V	7.6	0.6	1.01	98
250051004	2011	7	25	5	V	7.4	0.7	1.38	65
250051004	2011	7	25	6	V	8.0	0.6	2.71	65
250051004	2011	7	25	7	V	7.8	0.7	2.64	56
250051004	2011	7	25	8	V	7.6	0.8	2.27	91
250051004	2011	7	25	9	V	7.6	0.7	2.61	108
250051004	2011	7	25	10	V	7.5	0.7	3.01	118
250051004	2011	7	25	11	V	10.7	0.8	2.86	120
250051004	2011	7	25	12	V	18.8	0.7	2.35	146
250051004	2011	7	25	13	V	16.2	0.6	2.35	179
250051004	2011	7	25	14	V	17.4	0.5	1.91	183
250051004	2011	7	25	15	V	6.7	0.7	1.94	174
250051004	2011	7	25	16	V	6.5	0.8	1.5	193
250051004	2011	7	25	17	V	4.4	0.9	2.61	58
250051004	2011	7	25	18	V	3.6	1	3.44	35
250051004	2011	7	25	19	V	3.3	0.9	2.83	102
250051004	2011	7	25	20	V	3.2	0.9	2.93	94
250051004	2011	7	25	21	V	3.1	0.8	1.94	75
250051004	2011	7	25	22	V	3.0	0.8	1.43	106
250051004	2011	7	25	23	V	3.1	0.9	1.18	59
250051004	2011	7	25	24	V	6.8	0.9	1.65	130
250051004	2011	7	26	1	V	9.1	0.8	1.33	203
250051004	2011	7	26	2	V	6.4	0.8	1.6	162
250051004	2011	7	26	3	V	9.1	0.9	1.59	130
250051004	2011	7	26	4	V	7.6	0.9	1.01	127
250051004	2011	7	26	5	V	7.4	0.9	1.01	151
250051004	2011	7	26	6	V	8.0	0.9	1.25	254
250051004	2011	7	26	7	V	13.7	0.9	0.84	224
250051004	2011	7	26	8	V	9.6	1.2	1.42	219
250051004	2011	7	26	9	V	8.2	1.3	2.1	179
250051004	2011	7	26	10	V	8.1	1.2	2.1	230
250051004	2011	7	26	11	V	11.2	1.5	2.28	266
250051004	2011	7	26	12	V	19.6	1.1	1.96	211
250051004	2011	7	26	13	V	16.5	1.2	3.3	193
250051004	2011	7	26	14	V	17.1	1.2	6.79	157
250051004	2011	7	26	15	V	6.5	1.2	7.3	148
250051004	2011	7	26	16	V	6.1	1.2	6.62	155
250051004	2011	7	26	17	V	4.4	1.1	5.19	164
250051004	2011	7	26	18	V	3.7	1.1	4.31	200
250051004	2011	7	26	19	V	3.3	0.9	3.05	216
250051004	2011	7	26	20	V	3.2	0.9	3.32	216
250051004	2011	7	26	21	V	3.1	1.1	2.95	236
250051004	2011	7	26	22	V	3.0	1	3.47	259
250051004	2011	7	26	23	V	3.1	1.2	4.27	254
250051004	2011	7	26	24	V	6.8	1.2	4.08	265

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	27	1	V	9.1	1.8	3.29	254
250051004	2011	7	27	2	V	6.4	1.3	3.08	255
250051004	2011	7	27	3	V	9.1	3.4	3.56	259
250051004	2011	7	27	4	V	7.6	1.5	4.34	262
250051004	2011	7	27	5	V	7.4	1.2	3.69	270
250051004	2011	7	27	6	V	8.0	1.9	1.76	297
250051004	2011	7	27	7	V	8.0	2.2	2.76	293
250051004	2011	7	27	8	V	7.7	1.4	3.44	295
250051004	2011	7	27	9	V	7.5	1.3	3.59	287
250051004	2011	7	27	10	V	7.5	1.7	4	291
250051004	2011	7	27	11	V	10.8	1.1	4.2	295
250051004	2011	7	27	12	V	20.4	1.8	3.44	304
250051004	2011	7	27	13	V	28.6	3.7	3.1	311
250051004	2011	7	27	14	V	17.1	1.1	4.34	280
250051004	2011	7	27	15	V	6.6	1	4.39	287
250051004	2011	7	27	16	V	6.2	1.1	4.59	291
250051004	2011	7	27	17	V	4.5	5.3	4.78	292
250051004	2011	7	27	18	V	3.9	18.7	4.15	300
250051004	2011	7	27	19	V	3.3	1.2	3.42	299
250051004	2011	7	27	20	V	3.2	1.2	2.37	298
250051004	2011	7	27	21	V	3.1	1	2.35	295
250051004	2011	7	27	22	V	3.0	1	1.72	264
250051004	2011	7	27	23	V	3.1	0.9	1.82	270
250051004	2011	7	27	24	V	6.8	1	1.64	277
250051004	2011	7	28	1	V	9.1	0.8	1.18	296
250051004	2011	7	28	2	V	6.4	0.9	2.35	334
250051004	2011	7	28	3	V	9.1	2.6	1.89	355
250051004	2011	7	28	4	V	7.6	5.4	1.93	346
250051004	2011	7	28	5	V	7.4	3.7	2.54	340
250051004	2011	7	28	6	V	8.0	3.7	2.96	346
250051004	2011	7	28	7	V	8.0	3.2	2.84	6
250051004	2011	7	28	8	V	7.6	2.7	3.64	33
250051004	2011	7	28	9	V	7.9	1.7	2.13	55
250051004	2011	7	28	10	V	8.2	1.4	2.05	30
250051004	2011	7	28	11	V	12.2	3.3	1.81	32
250051004	2011	7	28	12	V	53.3	8.4	2.03	331
250051004	2011	7	28	13	V	16.4	45.5	2.33	249
250051004	2011	7	28	14	V	17.5	23.8	2.86	164
250051004	2011	7	28	15	V	6.7	25.8	3.4	151
250051004	2011	7	28	16	V	6.2	1.8	4.1	182
250051004	2011	7	28	17	V	4.5	1.3	4.76	144
250051004	2011	7	28	18	V	3.7	1	3.9	156
250051004	2011	7	28	19	V	3.3	0.8	3.59	178
250051004	2011	7	28	20	V	3.2	0.8	3.01	162
250051004	2011	7	28	21	V	3.1	0.7	2.83	187
250051004	2011	7	28	22	V	3.0	0.7	2.5	179

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	28	23	V	3.1	0.8	2.44	194
250051004	2011	7	28	24	V	6.8	0.6	1.74	205
250051004	2011	7	29	1	V	9.1	0.6	2.01	175
250051004	2011	7	29	2	V	6.4	0.7	2.49	180
250051004	2011	7	29	3	V	9.1	0.7	2.83	177
250051004	2011	7	29	4	V	7.6	0.8	3.03	177
250051004	2011	7	29	5	V	7.4	1.1	2.62	171
250051004	2011	7	29	6	V	8.0	0.9	3	174
250051004	2011	7	29	7	V	7.8	1	3.61	176
250051004	2011	7	29	8	V	7.5	0.8	3.95	176
250051004	2011	7	29	9	V	7.3	0.9	3.39	167
250051004	2011	7	29	10	V	7.3	1	3.91	161
250051004	2011	7	29	11	V	10.5	1.2	3.9	149
250051004	2011	7	29	12	V	18.4	1.8	4.34	147
250051004	2011	7	29	13	V	15.9	1.2	4.31	189
250051004	2011	7	29	14	V	17.0	1.1	5.97	200
250051004	2011	7	29	15	V	6.4	1	5.12	203
250051004	2011	7	29	16	V	6.0	0.7	6.24	195
250051004	2011	7	29	17	V	4.4	1	4.99	186
250051004	2011	7	29	18	V	3.6	0.9	5.22	185
250051004	2011	7	29	19	V	3.3	0.8	5.38	178
250051004	2011	7	29	20	V	3.2	0.9	4.54	179
250051004	2011	7	29	21	V	3.1	1.1	3.68	178
250051004	2011	7	29	22	V	3.0	-999	4.9	193
250051004	2011	7	29	23	V	3.1	0.9	4.73	207
250051004	2011	7	29	24	V	6.8	0.8	5.65	219
250051004	2011	7	30	1	V	9.1	1	4.41	235
250051004	2011	7	30	2	V	6.4	1.1	4.56	255
250051004	2011	7	30	3	V	9.1	1.1	3.75	267
250051004	2011	7	30	4	V	7.6	1.1	3.44	286
250051004	2011	7	30	5	V	7.4	1.2	3.18	295
250051004	2011	7	30	6	V	8.0	1.1	2.93	286
250051004	2011	7	30	7	V	7.9	1.1	3.15	284
250051004	2011	7	30	8	V	14.1	1.1	2.62	305
250051004	2011	7	30	9	V	40.8	23.4	4.66	328
250051004	2011	7	30	10	V	26.2	17.8	5.89	336
250051004	2011	7	30	11	V	25.7	11.7	5.9	338
250051004	2011	7	30	12	V	50.4	16.9	6.12	332
250051004	2011	7	30	13	V	50.8	22.1	6.33	323
250051004	2011	7	30	14	V	26.3	15.3	6.14	313
250051004	2011	7	30	15	V	46.4	34.5	6.28	325
250051004	2011	7	30	16	V	24.3	10.6	5.96	337
250051004	2011	7	30	17	V	43.6	1.1	6.09	323
250051004	2011	7	30	18	V	4.7	0.9	5.85	345
250051004	2011	7	30	19	V	3.3	0.9	4.61	346
250051004	2011	7	30	20	V	3.2	1	2.69	329

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	7	30	21	V	3.1	1	1.43	309
250051004	2011	7	30	22	V	3.0	0.9	1.64	262
250051004	2011	7	30	23	V	3.1	1.3	2.11	262
250051004	2011	7	30	24	V	6.8	1.7	2.03	278
250051004	2011	7	31	1	V	9.1	1.6	1.43	260
250051004	2011	7	31	2	V	6.4	1.4	1.6	287
250051004	2011	7	31	3	V	9.1	1.6	1.45	234
250051004	2011	7	31	4	V	7.6	2.3	1.57	278
250051004	2011	7	31	5	V	7.4	2.7	1.57	260
250051004	2011	7	31	6	V	8.0	2.7	1.64	263
250051004	2011	7	31	7	V	21.4	4.2	2.16	326
250051004	2011	7	31	8	V	22.4	1	2.44	345
250051004	2011	7	31	9	V	22.2	1	2.44	343
250051004	2011	7	31	10	V	17.5	12.8	2.57	346
250051004	2011	7	31	11	V	10.7	15.2	4.02	288
250051004	2011	7	31	12	V	19.3	1.1	4.19	295
250051004	2011	7	31	13	V	35.2	1	4.03	315
250051004	2011	7	31	14	V	18.0	1.8	4.15	295
250051004	2011	7	31	15	V	34.1	1.8	3.66	324
250051004	2011	7	31	16	V	6.3	1.6	4.36	141
250051004	2011	7	31	17	V	4.5	1.6	5.92	173
250051004	2011	7	31	18	V	3.7	1.6	5.07	210
250051004	2011	7	31	19	V	3.3	1.4	4.34	220
250051004	2011	7	31	20	V	3.2	1.4	3.39	222
250051004	2011	7	31	21	V	3.1	1.2	2.83	207
250051004	2011	7	31	22	V	3.0	1.2	2.95	229
250051004	2011	7	31	23	V	3.1	1.3	3.64	239
250051004	2011	7	31	24	V	6.8	1.2	3.56	260
250051004	2011	8	1	1	V	9.1	1.2	3.32	254
250051004	2011	8	1	2	V	6.4	1.2	3.03	253
250051004	2011	8	1	3	V	9.1	1.7	1.45	226
250051004	2011	8	1	4	V	7.6	-999	1.86	209
250051004	2011	8	1	5	V	7.4	1.8	1.18	198
250051004	2011	8	1	6	V	8.0	8.3	1.43	187
250051004	2011	8	1	7	V	8.6	2.1	1.89	226
250051004	2011	8	1	8	V	8.9	1.7	2.1	264
250051004	2011	8	1	9	V	8.9	1.6	2.32	171
250051004	2011	8	1	10	V	8.2	1.6	2.98	160
250051004	2011	8	1	11	V	11.0	1.6	3.61	184
250051004	2011	8	1	12	V	19.0	3.6	2.96	191
250051004	2011	8	1	13	V	16.1	1.5	6.02	203
250051004	2011	8	1	14	V	17.1	1.4	6.41	206
250051004	2011	8	1	15	V	6.6	1.3	6.19	223
250051004	2011	8	1	16	V	6.2	1.5	5.14	214
250051004	2011	8	1	17	V	4.5	1.4	4.82	224
250051004	2011	8	1	18	V	3.8	1.6	4.02	207

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	1	19	V	3.3	1.6	4.76	214
250051004	2011	8	1	20	V	3.2	1.6	3.64	219
250051004	2011	8	1	21	V	3.1	1.7	3.35	244
250051004	2011	8	1	22	V	3.0	-999	3.76	267
250051004	2011	8	1	23	V	3.1	1.4	2.69	262
250051004	2011	8	1	24	V	6.8	1.3	2.79	264
250051004	2011	8	2	1	V	9.1	1.3	3.05	259
250051004	2011	8	2	2	V	6.4	1.3	2.62	282
250051004	2011	8	2	3	V	9.1	2.5	2.96	256
250051004	2011	8	2	4	V	7.6	1.4	3.66	267
250051004	2011	8	2	5	V	7.4	1.4	2.42	272
250051004	2011	8	2	6	V	8.0	1.8	2.4	294
250051004	2011	8	2	7	V	8.1	-999	2.44	293
250051004	2011	8	2	8	V	13.5	-999	3.01	310
250051004	2011	8	2	9	V	44.5	-999	3.68	321
250051004	2011	8	2	10	V	67.6	3.5	3.93	331
250051004	2011	8	2	11	V	19.1	1.6	4.49	309
250051004	2011	8	2	12	V	18.9	1.4	4.83	296
250051004	2011	8	2	13	V	16.2	1.4	5.38	289
250051004	2011	8	2	14	V	17.3	21.1	4.44	289
250051004	2011	8	2	15	V	6.7	2.1	4.02	276
250051004	2011	8	2	16	V	6.3	1.6	5.05	286
250051004	2011	8	2	17	V	4.5	1.7	6.48	276
250051004	2011	8	2	18	V	3.7	1.5	4.85	292
250051004	2011	8	2	19	V	3.3	1.5	5.55	345
250051004	2011	8	2	20	V	3.2	1.2	4.05	46
250051004	2011	8	2	21	V	3.1	1.4	3.03	53
250051004	2011	8	2	22	V	3.0	1.4	1.74	42
250051004	2011	8	2	23	V	3.1	1.4	2.15	33
250051004	2011	8	2	24	V	6.8	1.3	1.14	343
250051004	2011	8	3	1	V	9.1	1.5	2.11	314
250051004	2011	8	3	2	V	6.4	3.1	2.21	338
250051004	2011	8	3	3	V	9.1	1.3	2.84	338
250051004	2011	8	3	4	V	7.6	1.9	3.08	339
250051004	2011	8	3	5	V	7.4	1.7	2.88	342
250051004	2011	8	3	6	V	8.1	1.8	2.73	341
250051004	2011	8	3	7	V	8.1	2.3	2.91	354
250051004	2011	8	3	8	V	8.0	2	2.45	13
250051004	2011	8	3	9	V	7.9	1.7	2.1	38
250051004	2011	8	3	10	V	7.5	1.5	3.13	59
250051004	2011	8	3	11	V	11.1	1.5	2.27	54
250051004	2011	8	3	12	V	19.0	2.6	3.05	47
250051004	2011	8	3	13	V	16.3	1.4	3.13	78
250051004	2011	8	3	14	V	17.1	1.4	4.07	119
250051004	2011	8	3	15	V	6.5	1.2	6.11	165
250051004	2011	8	3	16	V	6.1	1.2	5.62	173

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	3	17	V	4.4	1.2	5.29	174
250051004	2011	8	3	18	V	3.7	1.2	3.8	181
250051004	2011	8	3	19	V	3.3	1.2	3.13	175
250051004	2011	8	3	20	V	3.2	1.2	2.08	174
250051004	2011	8	3	21	V	3.1	1.2	2.11	177
250051004	2011	8	3	22	V	3.0	1.2	1.69	206
250051004	2011	8	3	23	V	3.1	1.1	1.31	198
250051004	2011	8	3	24	V	6.8	1.2	0.92	86
250051004	2011	8	4	1	V	9.1	1.2	0.87	58
250051004	2011	8	4	2	V	6.4	1.1	1.72	53
250051004	2011	8	4	3	V	9.1	1.1	1.96	41
250051004	2011	8	4	4	V	7.6	1.2	2.62	28
250051004	2011	8	4	5	V	7.4	1.1	2.2	24
250051004	2011	8	4	6	V	8.0	1.2	2.37	24
250051004	2011	8	4	7	V	8.0	1.1	2.93	42
250051004	2011	8	4	8	V	7.6	1.1	3.88	52
250051004	2011	8	4	9	V	7.6	1.1	2.78	62
250051004	2011	8	4	10	V	7.5	1.2	3.76	47
250051004	2011	8	4	11	V	10.7	0.8	4.42	53
250051004	2011	8	4	12	V	18.5	1	5.09	55
250051004	2011	8	4	13	V	16.0	0.9	5.14	54
250051004	2011	8	4	14	V	17.2	1	4.31	59
250051004	2011	8	4	15	V	6.6	1.1	4.66	52
250051004	2011	8	4	16	V	6.2	1	4.44	54
250051004	2011	8	4	17	V	4.5	1	4.88	59
250051004	2011	8	4	18	V	3.7	1	4.9	56
250051004	2011	8	4	19	V	3.3	0.9	3.98	75
250051004	2011	8	4	20	V	3.2	0.9	3.69	62
250051004	2011	8	4	21	V	3.1	0.8	2.84	59
250051004	2011	8	4	22	V	3.0	-999	2.71	65
250051004	2011	8	4	23	V	3.1	0.7	1.74	59
250051004	2011	8	4	24	V	6.8	0.7	1.86	15
250051004	2011	8	5	1	V	9.1	0.8	2.06	36
250051004	2011	8	5	2	V	6.4	0.6	1.93	44
250051004	2011	8	5	3	V	9.1	0.8	2.93	30
250051004	2011	8	5	4	V	7.6	0.8	3.03	35
250051004	2011	8	5	5	V	7.4	1	2.69	35
250051004	2011	8	5	6	V	8.0	1.4	2.56	27
250051004	2011	8	5	7	V	8.1	1.4	2.1	45
250051004	2011	8	5	8	V	7.7	1.1	2.35	49
250051004	2011	8	5	9	V	8.8	1.3	1.76	38
250051004	2011	8	5	10	V	8.9	1.2	1.94	88
250051004	2011	8	5	11	V	11.2	2.2	2.27	153
250051004	2011	8	5	12	V	19.0	35.3	2.38	165
250051004	2011	8	5	13	V	16.3	22.9	3.18	168
250051004	2011	8	5	14	V	17.1	31.9	4.71	146

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	5	15	V	6.5	3	5.53	165
250051004	2011	8	5	16	V	6.1	1.8	5.63	164
250051004	2011	8	5	17	V	4.4	1.1	5.53	153
250051004	2011	8	5	18	V	3.7	0.9	5.99	159
250051004	2011	8	5	19	V	3.3	0.9	4.66	168
250051004	2011	8	5	20	V	3.2	0.8	3.9	191
250051004	2011	8	5	21	V	3.1	0.7	3.66	179
250051004	2011	8	5	22	V	3.0	0.8	3.66	180
250051004	2011	8	5	23	V	3.1	0.8	3.32	196
250051004	2011	8	5	24	V	6.8	0.7	3.07	199
250051004	2011	8	6	1	V	9.1	0.9	2.61	205
250051004	2011	8	6	2	V	6.4	0.9	3.37	194
250051004	2011	8	6	3	V	9.1	1.1	3.08	201
250051004	2011	8	6	4	V	7.6	0.9	3.05	206
250051004	2011	8	6	5	V	7.4	0.7	2.79	203
250051004	2011	8	6	6	V	8.0	0.8	2.61	200
250051004	2011	8	6	7	V	7.8	0.9	3.68	216
250051004	2011	8	6	8	V	7.5	1	4.39	235
250051004	2011	8	6	9	V	7.4	1.2	4.12	233
250051004	2011	8	6	10	V	7.4	1.3	4.02	233
250051004	2011	8	6	11	V	10.7	0.5	4.29	233
250051004	2011	8	6	12	V	18.5	0.8	4.8	229
250051004	2011	8	6	13	V	16.0	1	5.22	225
250051004	2011	8	6	14	V	17.0	1.2	5.41	231
250051004	2011	8	6	15	V	6.5	1.2	5.53	213
250051004	2011	8	6	16	V	6.1	1	5.34	207
250051004	2011	8	6	17	V	4.4	1	5.67	208
250051004	2011	8	6	18	V	3.7	1	5.7	207
250051004	2011	8	6	19	V	3.3	0.9	5.84	204
250051004	2011	8	6	20	V	3.2	1	4.99	205
250051004	2011	8	6	21	V	3.1	0.9	5.12	201
250051004	2011	8	6	22	V	3.0	0.9	4.44	206
250051004	2011	8	6	23	V	3.1	0.9	2.83	200
250051004	2011	8	6	24	V	6.8	1.1	2.89	194
250051004	2011	8	7	1	V	9.1	1	3.58	201
250051004	2011	8	7	2	V	6.4	1	4.12	195
250051004	2011	8	7	3	V	9.1	1.1	3.63	161
250051004	2011	8	7	4	V	7.6	1.1	4.65	187
250051004	2011	8	7	5	V	7.4	1.1	5.16	173
250051004	2011	8	7	6	V	8.0	1.2	5.41	172
250051004	2011	8	7	7	V	7.8	1.2	6.26	175
250051004	2011	8	7	8	V	7.5	1.2	6.46	175
250051004	2011	8	7	9	V	7.3	1.2	6.82	173
250051004	2011	8	7	10	V	7.3	1.2	6.62	176
250051004	2011	8	7	11	V	10.6	1.3	7.3	172
250051004	2011	8	7	12	V	18.4	1.3	8.18	171

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	7	13	V	16.0	1.3	5.46	173
250051004	2011	8	7	14	V	17.0	1.2	5.24	185
250051004	2011	8	7	15	V	6.5	1.2	4.02	193
250051004	2011	8	7	16	V	6.2	1.3	3.63	180
250051004	2011	8	7	17	V	4.6	1.4	3.47	151
250051004	2011	8	7	18	V	3.7	1.5	3.46	159
250051004	2011	8	7	19	V	3.3	1.5	2.91	166
250051004	2011	8	7	20	V	3.2	1.4	1.87	171
250051004	2011	8	7	21	V	3.1	1.5	1.89	172
250051004	2011	8	7	22	V	3.0	-999	1.72	179
250051004	2011	8	7	23	V	3.1	1.3	1.45	153
250051004	2011	8	7	24	V	6.8	1.4	1.55	166
250051004	2011	8	8	1	V	9.1	4.5	1.33	167
250051004	2011	8	8	2	V	6.4	4.8	0.94	149
250051004	2011	8	8	3	V	9.1	2	1.47	20
250051004	2011	8	8	4	V	7.6	1.8	0.92	345
250051004	2011	8	8	5	V	7.4	2.1	1.25	218
250051004	2011	8	8	6	V	8.0	2.9	1.3	280
250051004	2011	8	8	7	V	7.9	3.9	2.88	351
250051004	2011	8	8	8	V	14.0	2.5	2.86	349
250051004	2011	8	8	9	V	7.6	1.9	4.15	1
250051004	2011	8	8	10	V	7.5	1.6	4.59	2
250051004	2011	8	8	11	V	10.9	1.9	3.85	9
250051004	2011	8	8	12	V	26.2	1.8	3.68	349
250051004	2011	8	8	13	V	16.4	3.8	3.29	9
250051004	2011	8	8	14	V	55.7	15.7	3.64	335
250051004	2011	8	8	15	V	43.1	6	3.8	319
250051004	2011	8	8	16	V	6.2	1.9	4.08	93
250051004	2011	8	8	17	V	4.5	1.7	4	104
250051004	2011	8	8	18	V	3.8	1.6	3.07	117
250051004	2011	8	8	19	V	3.3	1.6	1.6	168
250051004	2011	8	8	20	V	3.2	1.6	1.16	194
250051004	2011	8	8	21	V	3.1	1.6	1.26	241
250051004	2011	8	8	22	V	3.0	2.9	1.5	285
250051004	2011	8	8	23	V	3.1	2.6	0.86	283
250051004	2011	8	8	24	V	6.8	2	0.6	339
250051004	2011	8	9	1	V	9.1	2.2	1.33	259
250051004	2011	8	9	2	V	6.4	2.1	1.2	346
250051004	2011	8	9	3	V	9.1	1.9	1.74	347
250051004	2011	8	9	4	V	7.6	1.9	1.52	312
250051004	2011	8	9	5	V	7.4	2.1	2.54	345
250051004	2011	8	9	6	V	8.0	2.1	2.1	3
250051004	2011	8	9	7	V	8.0	2.1	2.3	60
250051004	2011	8	9	8	V	8.3	1.9	1.91	85
250051004	2011	8	9	9	V	8.9	1.7	1.77	102
250051004	2011	8	9	10	V	7.5	1.7	3.44	131

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	9	11	V	10.7	1.7	3.78	158
250051004	2011	8	9	12	V	18.6	1.4	5.38	169
250051004	2011	8	9	13	V	16.1	1.5	5.44	169
250051004	2011	8	9	14	V	17.0	1.6	6.65	166
250051004	2011	8	9	15	V	6.5	1.6	6.47	164
250051004	2011	8	9	16	V	6.1	1.7	5.45	157
250051004	2011	8	9	17	V	4.4	1.7	5	147
250051004	2011	8	9	18	V	3.7	1.6	4.75	137
250051004	2011	8	9	19	V	3.3	1.5	3.97	121
250051004	2011	8	9	20	V	3.2	1.5	5.07	117
250051004	2011	8	9	21	V	3.1	1.5	5.85	135
250051004	2011	8	9	22	V	3.0	1.3	5.68	145
250051004	2011	8	9	23	V	3.1	1.4	5.67	165
250051004	2011	8	9	24	V	6.8	1.5	5.11	182
250051004	2011	8	10	1	V	9.1	1.5	4.32	167
250051004	2011	8	10	2	V	6.4	1.6	2.95	163
250051004	2011	8	10	3	V	9.1	1.9	1.54	201
250051004	2011	8	10	4	V	7.6	1.8	1.54	263
250051004	2011	8	10	5	V	7.4	1.9	3.34	354
250051004	2011	8	10	6	V	8.0	2.1	3.13	347
250051004	2011	8	10	7	V	7.9	1.9	2.86	351
250051004	2011	8	10	8	V	40.8	12.6	3.3	329
250051004	2011	8	10	9	V	7.5	2.5	4.41	302
250051004	2011	8	10	10	V	7.4	3	4.15	301
250051004	2011	8	10	11	V	11.2	2	3.9	299
250051004	2011	8	10	12	V	18.6	2.5	4.15	283
250051004	2011	8	10	13	V	16.0	1.6	4.7	262
250051004	2011	8	10	14	V	17.0	1.6	5.17	265
250051004	2011	8	10	15	V	6.6	1.8	5.21	273
250051004	2011	8	10	16	V	6.1	1.8	4.56	259
250051004	2011	8	10	17	V	4.4	1.8	4.59	219
250051004	2011	8	10	18	V	3.7	1.8	4.48	209
250051004	2011	8	10	19	V	3.3	2.1	3.86	208
250051004	2011	8	10	20	V	3.2	1.9	3.18	83
250051004	2011	8	10	21	V	3.1	1.6	2.2	115
250051004	2011	8	10	22	V	3.0	-999	0.52	100
250051004	2011	8	10	23	V	3.1	1.4	1.62	26
250051004	2011	8	10	24	V	6.8	1.6	2.35	37
250051004	2011	8	11	1	V	9.1	1.7	2.33	32
250051004	2011	8	11	2	V	6.4	1.7	1.69	27
250051004	2011	8	11	3	V	9.1	1.5	1.74	44
250051004	2011	8	11	4	V	7.6	1.6	1.69	22
250051004	2011	8	11	5	V	7.4	1.4	1.09	116
250051004	2011	8	11	6	V	8.0	1.3	1.52	106
250051004	2011	8	11	7	V	7.9	1.6	1.81	142
250051004	2011	8	11	8	V	8.7	1.8	1.71	260

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	11	9	V	7.4	2.2	3.8	292
250051004	2011	8	11	10	V	7.6	2.1	3.37	281
250051004	2011	8	11	11	V	10.7	1.9	4.39	271
250051004	2011	8	11	12	V	18.5	1.6	5.56	265
250051004	2011	8	11	13	V	16.0	1.6	6.29	254
250051004	2011	8	11	14	V	17.1	1.6	5.41	267
250051004	2011	8	11	15	V	6.5	1.7	5.26	275
250051004	2011	8	11	16	V	6.1	1.6	5.1	288
250051004	2011	8	11	17	V	4.4	1.4	5.14	283
250051004	2011	8	11	18	V	3.7	1.5	4.41	284
250051004	2011	8	11	19	V	3.3	1.4	3	271
250051004	2011	8	11	20	V	3.2	1.6	2.22	267
250051004	2011	8	11	21	V	3.1	1.6	1.76	259
250051004	2011	8	11	22	V	3.0	1.6	1.91	271
250051004	2011	8	11	23	V	3.1	2.1	1.84	261
250051004	2011	8	11	24	V	6.8	2	1.6	253
250051004	2011	8	12	1	V	9.1	1.4	2.4	263
250051004	2011	8	12	2	V	6.4	1.6	2.27	265
250051004	2011	8	12	3	V	9.1	1.4	1.81	266
250051004	2011	8	12	4	V	7.6	1.4	2.4	271
250051004	2011	8	12	5	V	7.4	2.4	2.11	259
250051004	2011	8	12	6	V	8.0	3.1	3.13	263
250051004	2011	8	12	7	V	7.8	2.6	2.96	273
250051004	2011	8	12	8	V	7.6	2.1	3.23	292
250051004	2011	8	12	9	V	7.4	1.7	4.12	295
250051004	2011	8	12	10	V	10.1	1.7	3.92	307
250051004	2011	8	12	11	V	10.7	1.4	4.49	296
250051004	2011	8	12	12	V	25.2	1.4	4.19	311
250051004	2011	8	12	13	V	16.4	1.1	4.44	298
250051004	2011	8	12	14	V	31.3	9.5	4.27	318
250051004	2011	8	12	15	V	28.0	6.3	4.34	329
250051004	2011	8	12	16	V	21.1	13	4.6	318
250051004	2011	8	12	17	V	7.2	8.7	4.32	307
250051004	2011	8	12	18	V	5.4	4.3	4.1	309
250051004	2011	8	12	19	V	3.3	1.4	2.81	301
250051004	2011	8	12	20	V	3.2	1.4	2.23	283
250051004	2011	8	12	21	V	3.1	1.4	1.55	256
250051004	2011	8	12	22	V	3.0	1.5	2.59	266
250051004	2011	8	12	23	V	3.1	1.5	2.4	261
250051004	2011	8	12	24	V	6.8	1.4	2.54	263
250051004	2011	8	13	1	V	9.1	1.3	1.79	246
250051004	2011	8	13	2	V	6.4	1.3	1.7	233
250051004	2011	8	13	3	V	9.1	1.2	1.55	225
250051004	2011	8	13	4	V	7.6	1.4	2.25	265
250051004	2011	8	13	5	V	7.4	1.3	1.86	268
250051004	2011	8	13	6	V	8.0	1.3	1.31	255

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	13	7	V	7.8	2.1	0.8	228
250051004	2011	8	13	8	V	9.6	4.4	0.55	91
250051004	2011	8	13	9	V	28.0	3	1.45	342
250051004	2011	8	13	10	V	8.5	34.8	1.37	225
250051004	2011	8	13	11	V	11.0	2	2.01	252
250051004	2011	8	13	12	V	18.5	1.7	3.91	169
250051004	2011	8	13	13	V	16.0	1.5	4.58	150
250051004	2011	8	13	14	V	17.0	1.5	4.9	151
250051004	2011	8	13	15	V	6.5	1.4	4.51	150
250051004	2011	8	13	16	V	6.1	1.3	4.36	221
250051004	2011	8	13	17	V	4.4	1.5	5.19	216
250051004	2011	8	13	18	V	3.7	1.5	4.14	218
250051004	2011	8	13	19	V	3.3	1.6	3.18	205
250051004	2011	8	13	20	V	3.2	1.4	2.76	218
250051004	2011	8	13	21	V	3.1	1.5	2.56	184
250051004	2011	8	13	22	V	3.0	-999	2.52	206
250051004	2011	8	13	23	V	3.1	1.2	1.72	180
250051004	2011	8	13	24	V	6.8	1.3	2.08	185
250051004	2011	8	14	1	V	9.1	1.5	1.16	169
250051004	2011	8	14	2	V	6.4	1.4	1.71	183
250051004	2011	8	14	3	V	9.1	1.2	2.03	185
250051004	2011	8	14	4	V	7.6	1.3	2.47	188
250051004	2011	8	14	5	V	7.4	1.5	2.55	188
250051004	2011	8	14	6	V	8.0	1.4	2.62	179
250051004	2011	8	14	7	V	7.8	1.3	2.47	194
250051004	2011	8	14	8	V	7.5	1.4	2.59	196
250051004	2011	8	14	9	V	7.3	1.2	2.95	206
250051004	2011	8	14	10	V	7.3	0.7	3.17	188
250051004	2011	8	14	11	V	10.5	1.5	4.41	180
250051004	2011	8	14	12	V	18.4	1.5	4.8	178
250051004	2011	8	14	13	V	15.9	1.5	4.65	183
250051004	2011	8	14	14	V	17.0	1.4	3	192
250051004	2011	8	14	15	V	6.4	1.4	2.89	175
250051004	2011	8	14	16	V	6.0	1.4	3.17	158
250051004	2011	8	14	17	V	4.4	1.5	2.5	136
250051004	2011	8	14	18	V	3.6	1.4	2.96	135
250051004	2011	8	14	19	V	3.3	1.4	3.27	136
250051004	2011	8	14	20	V	3.2	1.4	3.22	137
250051004	2011	8	14	21	V	3.1	1.5	2.52	124
250051004	2011	8	14	22	V	3.0	1.4	2.76	121
250051004	2011	8	14	23	V	3.1	1.6	2.59	120
250051004	2011	8	14	24	V	6.8	1.5	2.06	115
250051004	2011	8	15	1	V	9.1	1.5	1.71	87
250051004	2011	8	15	2	V	6.4	1.5	2.15	50
250051004	2011	8	15	3	V	9.1	1.5	2.79	43
250051004	2011	8	15	4	V	7.6	-999	2.38	69

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	15	5	V	7.4	1.4	1.74	101
250051004	2011	8	15	6	V	8.0	1.2	2.76	82
250051004	2011	8	15	7	V	7.8	1.4	4.19	64
250051004	2011	8	15	8	V	7.5	1.4	4.83	90
250051004	2011	8	15	9	V	7.3	1.3	4.27	85
250051004	2011	8	15	10	V	7.3	1.5	4.94	89
250051004	2011	8	15	11	V	10.5	1.6	5.02	91
250051004	2011	8	15	12	V	18.4	1.5	4.1	85
250051004	2011	8	15	13	V	15.9	1.6	4.6	41
250051004	2011	8	15	14	V	16.9	1.6	5.63	45
250051004	2011	8	15	15	V	6.4	1.6	5.75	56
250051004	2011	8	15	16	V	6.0	1.6	6.6	44
250051004	2011	8	15	17	V	4.3	1.6	7.11	32
250051004	2011	8	15	18	V	3.6	1.6	6.91	30
250051004	2011	8	15	19	V	3.3	1.5	5.92	19
250051004	2011	8	15	20	V	3.2	1.2	5.9	355
250051004	2011	8	15	21	V	3.1	1.6	5.51	347
250051004	2011	8	15	22	V	3.0	2.3	5.26	340
250051004	2011	8	15	23	V	3.2	14.1	4.1	328
250051004	2011	8	15	24	V	6.8	7.9	3.85	323
250051004	2011	8	16	1	V	9.1	10	3.39	321
250051004	2011	8	16	2	V	6.4	7.9	3.05	333
250051004	2011	8	16	3	V	9.1	9	2.84	324
250051004	2011	8	16	4	V	7.6	10.3	3.29	321
250051004	2011	8	16	5	V	7.4	10.9	2.91	337
250051004	2011	8	16	6	V	8.0	2.8	3.12	335
250051004	2011	8	16	7	V	7.9	2.5	3.61	345
250051004	2011	8	16	8	V	7.5	2.1	5.21	357
250051004	2011	8	16	9	V	7.3	1.8	4.7	6
250051004	2011	8	16	10	V	7.8	2.9	3.29	349
250051004	2011	8	16	11	V	12.1	7	3.61	344
250051004	2011	8	16	12	V	24.2	11.1	3.81	339
250051004	2011	8	16	13	V	16.2	15.2	3.54	306
250051004	2011	8	16	14	V	17.5	8.4	3.2	306
250051004	2011	8	16	15	V	10.3	3.4	3.59	316
250051004	2011	8	16	16	V	10.1	4.2	3.15	328
250051004	2011	8	16	17	V	5.0	1.8	2.69	310
250051004	2011	8	16	18	V	5.2	4.1	3.03	335
250051004	2011	8	16	19	V	3.3	2.5	2.08	342
250051004	2011	8	16	20	V	3.2	1.8	1.89	283
250051004	2011	8	16	21	V	3.1	1.6	2.45	300
250051004	2011	8	16	22	V	3.0	-999	2.18	279
250051004	2011	8	16	23	V	3.1	1.5	1.79	260
250051004	2011	8	16	24	V	6.8	2	1.84	252
250051004	2011	8	17	1	V	9.1	1.8	1.59	231
250051004	2011	8	17	2	V	6.4	1.6	2.15	262

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	17	3	V	9.1	1.4	1.94	250
250051004	2011	8	17	4	V	7.6	1.5	1.89	250
250051004	2011	8	17	5	V	7.4	1.4	1.45	251
250051004	2011	8	17	6	V	8.0	2	0.99	260
250051004	2011	8	17	7	V	7.8	8.5	0.72	245
250051004	2011	8	17	8	V	34.7	14.5	0.74	328
250051004	2011	8	17	9	V	21.7	1.9	0.84	315
250051004	2011	8	17	10	V	7.9	2.2	1.72	139
250051004	2011	8	17	11	V	10.6	12.9	2.86	100
250051004	2011	8	17	12	V	18.7	8.6	2.22	156
250051004	2011	8	17	13	V	16.0	1.9	4.95	170
250051004	2011	8	17	14	V	17.0	2	5.38	159
250051004	2011	8	17	15	V	6.4	1.4	5.87	149
250051004	2011	8	17	16	V	6.0	1.5	6.09	154
250051004	2011	8	17	17	V	4.4	1.6	4.49	210
250051004	2011	8	17	18	V	3.7	1.4	5.62	221
250051004	2011	8	17	19	V	3.3	1.7	3.52	212
250051004	2011	8	17	20	V	3.2	1.5	2.4	214
250051004	2011	8	17	21	V	3.1	1.5	2.3	195
250051004	2011	8	17	22	V	3.0	1.4	2.37	202
250051004	2011	8	17	23	V	3.1	1.2	1.74	215
250051004	2011	8	17	24	V	6.8	1.3	2.16	215
250051004	2011	8	18	1	V	9.1	2.5	1.81	220
250051004	2011	8	18	2	V	6.4	2.2	2.44	209
250051004	2011	8	18	3	V	9.1	2.5	1.59	219
250051004	2011	8	18	4	V	7.6	5.6	1.14	200
250051004	2011	8	18	5	V	7.4	4.9	0.69	163
250051004	2011	8	18	6	V	8.0	3.8	0.75	210
250051004	2011	8	18	7	V	8.2	3.6	1.45	194
250051004	2011	8	18	8	V	7.5	2.6	3.73	213
250051004	2011	8	18	9	V	7.4	2.7	3.69	229
250051004	2011	8	18	10	V	7.3	4.3	4.53	236
250051004	2011	8	18	11	V	10.5	5.8	4.78	226
250051004	2011	8	18	12	V	18.4	4.9	6.28	227
250051004	2011	8	18	13	V	15.9	3.2	6.02	220
250051004	2011	8	18	14	V	17.0	1.8	6.53	219
250051004	2011	8	18	15	V	6.4	2.1	6.6	207
250051004	2011	8	18	16	V	6.0	1.8	6.12	197
250051004	2011	8	18	17	V	4.4	1.7	6.13	201
250051004	2011	8	18	18	V	3.6	1.8	5.94	204
250051004	2011	8	18	19	V	3.3	1.8	4.2	205
250051004	2011	8	18	20	V	3.2	1.6	3.57	198
250051004	2011	8	18	21	V	3.1	1.3	3.59	201
250051004	2011	8	18	22	V	3.0	1.5	3.85	200
250051004	2011	8	18	23	V	3.1	1.4	3.4	206
250051004	2011	8	18	24	V	6.8	1.6	2.86	198

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	19	1	V	9.1	6.9	2.3	192
250051004	2011	8	19	2	V	6.4	10.9	3.12	217
250051004	2011	8	19	3	V	9.1	5.5	2.78	204
250051004	2011	8	19	4	V	7.6	3.2	2.11	191
250051004	2011	8	19	5	V	7.4	5.3	2.61	187
250051004	2011	8	19	6	V	8.0	7.7	2.01	190
250051004	2011	8	19	7	V	8.0	10.1	1.65	185
250051004	2011	8	19	8	V	7.7	4.6	2.08	195
250051004	2011	8	19	9	V	7.3	3.9	4.03	225
250051004	2011	8	19	10	V	7.3	5.3	3.64	213
250051004	2011	8	19	11	V	10.6	4.7	4.2	216
250051004	2011	8	19	12	V	18.5	5.3	4.56	208
250051004	2011	8	19	13	V	16.0	3	5.19	186
250051004	2011	8	19	14	V	17.0	2.4	5.8	212
250051004	2011	8	19	15	V	6.5	2.2	5.89	204
250051004	2011	8	19	16	V	6.1	1.9	4.68	176
250051004	2011	8	19	17	V	4.4	1.7	4.15	177
250051004	2011	8	19	18	V	3.7	1.5	4.1	192
250051004	2011	8	19	19	V	3.3	1.4	3.86	174
250051004	2011	8	19	20	V	3.2	1.3	3.49	193
250051004	2011	8	19	21	V	3.1	1.5	3.44	187
250051004	2011	8	19	22	V	3.0	-999	2.95	207
250051004	2011	8	19	23	V	3.1	1.3	3.03	190
250051004	2011	8	19	24	V	6.8	1.4	2.06	194
250051004	2011	8	20	1	V	9.1	1.6	2.1	171
250051004	2011	8	20	2	V	6.4	1.5	3.07	187
250051004	2011	8	20	3	V	9.1	1.4	2.38	195
250051004	2011	8	20	4	V	7.6	1.3	2.86	185
250051004	2011	8	20	5	V	7.4	1.4	2.78	182
250051004	2011	8	20	6	V	8.0	1.4	2.37	194
250051004	2011	8	20	7	V	7.8	1.4	2.33	186
250051004	2011	8	20	8	V	7.5	1.3	2.54	203
250051004	2011	8	20	9	V	7.3	1.5	2.35	237
250051004	2011	8	20	10	V	7.3	1.5	2.45	179
250051004	2011	8	20	11	V	10.5	1.4	3.83	158
250051004	2011	8	20	12	V	18.4	1.5	4.87	146
250051004	2011	8	20	13	V	15.9	1.5	5.41	120
250051004	2011	8	20	14	V	17.0	1.5	4.65	122
250051004	2011	8	20	15	V	6.5	1.5	4.75	194
250051004	2011	8	20	16	V	6.0	1.5	5.33	165
250051004	2011	8	20	17	V	4.4	1.5	5.17	159
250051004	2011	8	20	18	V	3.7	1.4	4.76	189
250051004	2011	8	20	19	V	3.3	1.4	4.54	193
250051004	2011	8	20	20	V	3.2	1.4	3.15	200
250051004	2011	8	20	21	V	3.1	1.3	2.83	181
250051004	2011	8	20	22	V	3.0	1.5	2.3	193

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	20	23	V	3.1	1.7	2.3	201
250051004	2011	8	20	24	V	6.8	1.6	2.28	192
250051004	2011	8	21	1	V	9.1	1.5	1.89	195
250051004	2011	8	21	2	V	6.4	1.5	1.93	202
250051004	2011	8	21	3	V	9.1	1.3	1.16	171
250051004	2011	8	21	4	V	7.6	1.2	1.57	179
250051004	2011	8	21	5	V	7.4	1.4	1.13	181
250051004	2011	8	21	6	V	8.0	1.4	2.16	184
250051004	2011	8	21	7	V	7.8	1.6	2.57	175
250051004	2011	8	21	8	V	7.5	1.6	2.69	179
250051004	2011	8	21	9	V	7.3	2	3.8	199
250051004	2011	8	21	10	V	7.3	2.3	4.61	212
250051004	2011	8	21	11	V	10.5	2.1	6.16	212
250051004	2011	8	21	12	V	18.4	2.1	6.14	209
250051004	2011	8	21	13	V	15.9	1.9	6.94	208
250051004	2011	8	21	14	V	17.0	1.9	6.91	206
250051004	2011	8	21	15	V	6.4	1.9	8.01	202
250051004	2011	8	21	16	V	6.0	1.7	6.89	202
250051004	2011	8	21	17	V	4.3	1.5	6.94	194
250051004	2011	8	21	18	V	3.6	1.7	7.52	189
250051004	2011	8	21	19	V	3.3	1.6	6.7	187
250051004	2011	8	21	20	V	3.2	1.6	5.9	186
250051004	2011	8	21	21	V	3.1	1.5	5.43	179
250051004	2011	8	21	22	V	3.0	1.6	5.38	182
250051004	2011	8	21	23	V	3.1	1.6	4.65	187
250051004	2011	8	21	24	V	6.8	1.8	4.43	179
250051004	2011	8	22	1	V	9.1	1.9	6.69	171
250051004	2011	8	22	2	V	6.4	3.2	8.2	194
250051004	2011	8	22	3	V	9.1	3.1	5.79	223
250051004	2011	8	22	4	V	7.6	2	3.12	241
250051004	2011	8	22	5	V	7.4	2.1	2.54	222
250051004	2011	8	22	6	V	8.0	1.9	1.98	259
250051004	2011	8	22	7	V	7.8	1.8	3.91	297
250051004	2011	8	22	8	V	7.5	2	3.98	297
250051004	2011	8	22	9	V	7.3	1.9	5.43	301
250051004	2011	8	22	10	V	8.1	1.8	6.29	311
250051004	2011	8	22	11	V	10.7	1.8	7.13	307
250051004	2011	8	22	12	V	18.4	1.8	6.43	300
250051004	2011	8	22	13	V	16.7	1.7	6.6	308
250051004	2011	8	22	14	V	17.4	2.6	6.64	308
250051004	2011	8	22	15	V	6.8	12.6	6.06	307
250051004	2011	8	22	16	V	14.4	6.3	5.82	329
250051004	2011	8	22	17	V	6.9	3.7	5.11	316
250051004	2011	8	22	18	V	3.6	3.1	3.83	291
250051004	2011	8	22	19	V	3.3	1.8	2.64	281
250051004	2011	8	22	20	V	3.2	2.1	2.13	269

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	22	21	V	3.1	2.9	3.13	260
250051004	2011	8	22	22	V	3.0	-999	2.61	256
250051004	2011	8	22	23	V	3.1	2.4	3.05	277
250051004	2011	8	22	24	V	6.8	2.4	3.35	297
250051004	2011	8	23	1	V	9.1	5.8	2.9	317
250051004	2011	8	23	2	V	6.4	10.3	2.5	302
250051004	2011	8	23	3	V	9.1	2.2	2.06	286
250051004	2011	8	23	4	V	7.6	3.6	3.35	293
250051004	2011	8	23	5	V	7.4	1.6	2.39	277
250051004	2011	8	23	6	V	8.0	2.5	1.94	279
250051004	2011	8	23	7	V	8.0	4	2.1	295
250051004	2011	8	23	8	V	27.1	1.8	2.38	324
250051004	2011	8	23	9	V	26.1	1.6	2.1	336
250051004	2011	8	23	10	V	26.2	9.7	1.96	325
250051004	2011	8	23	11	V	11.8	4.7	2.93	301
250051004	2011	8	23	12	V	18.5	1.5	3.18	295
250051004	2011	8	23	13	V	16.0	2.7	3.34	273
250051004	2011	8	23	14	V	17.0	1.5	3.24	252
250051004	2011	8	23	15	V	6.5	1.2	3.98	254
250051004	2011	8	23	16	V	6.1	1.4	4.61	269
250051004	2011	8	23	17	V	4.4	1.4	4.75	265
250051004	2011	8	23	18	V	3.6	1.5	5.19	226
250051004	2011	8	23	19	V	3.3	1.7	4.14	222
250051004	2011	8	23	20	V	3.2	1.6	3	218
250051004	2011	8	23	21	V	3.1	1.5	2.3	220
250051004	2011	8	23	22	V	3.0	1.5	2.4	242
250051004	2011	8	23	23	V	3.1	1.6	2.49	252
250051004	2011	8	23	24	V	6.8	7.6	2.64	247
250051004	2011	8	24	1	V	9.1	3.4	2.52	257
250051004	2011	8	24	2	V	6.4	1.8	2.61	254
250051004	2011	8	24	3	V	9.1	2.2	2.23	253
250051004	2011	8	24	4	V	7.6	4	1.3	244
250051004	2011	8	24	5	V	7.4	9.2	1.45	161
250051004	2011	8	24	6	V	8.0	6	1.74	185
250051004	2011	8	24	7	V	7.9	9.7	1.99	189
250051004	2011	8	24	8	V	7.5	6.4	2.66	171
250051004	2011	8	24	9	V	7.4	5.5	3.27	202
250051004	2011	8	24	10	V	7.3	5.1	4.34	199
250051004	2011	8	24	11	V	10.5	5.2	5.39	185
250051004	2011	8	24	12	V	18.4	5.6	6.65	202
250051004	2011	8	24	13	V	15.9	3.2	7.04	200
250051004	2011	8	24	14	V	17.0	1.9	7.13	198
250051004	2011	8	24	15	V	6.4	1.7	6.36	183
250051004	2011	8	24	16	V	6.0	1.6	6.91	177
250051004	2011	8	24	17	V	4.3	1.9	7.33	187
250051004	2011	8	24	18	V	3.6	1.7	7.06	184

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	24	19	V	3.3	1.6	5.41	180
250051004	2011	8	24	20	V	3.2	1.6	4.93	179
250051004	2011	8	24	21	V	3.1	1.5	4.37	180
250051004	2011	8	24	22	V	3.0	1.5	3.52	182
250051004	2011	8	24	23	V	3.1	1.5	3.81	179
250051004	2011	8	24	24	V	6.8	1.7	3.83	177
250051004	2011	8	25	1	V	9.1	3.2	3.13	189
250051004	2011	8	25	2	V	6.4	2.2	2.76	184
250051004	2011	8	25	3	V	9.1	2.2	2.95	190
250051004	2011	8	25	4	V	7.6	2.3	3.03	199
250051004	2011	8	25	5	V	7.4	2.6	3.42	184
250051004	2011	8	25	6	V	8.0	2.5	3.64	182
250051004	2011	8	25	7	V	7.8	2.8	4.14	181
250051004	2011	8	25	8	V	7.5	3.9	6.69	191
250051004	2011	8	25	9	V	7.3	5.6	7.52	203
250051004	2011	8	25	10	V	7.3	4.8	8.18	197
250051004	2011	8	25	11	V	10.5	2	8.81	200
250051004	2011	8	25	12	V	18.4	1.8	8.86	206
250051004	2011	8	25	13	V	15.9	1.5	7.81	208
250051004	2011	8	25	14	V	17.0	1.6	7.26	203
250051004	2011	8	25	15	V	6.4	1.7	6.99	202
250051004	2011	8	25	16	V	6.0	1.7	7.04	197
250051004	2011	8	25	17	V	4.3	1.7	6.77	208
250051004	2011	8	25	18	V	3.6	1.9	5.73	207
250051004	2011	8	25	19	V	3.3	1.9	5.96	213
250051004	2011	8	25	20	V	3.2	1.8	5.56	217
250051004	2011	8	25	21	V	3.1	1.8	4.99	222
250051004	2011	8	25	22	V	3.0	-999	3.39	216
250051004	2011	8	25	23	V	3.1	1.7	3.66	228
250051004	2011	8	25	24	V	6.8	1.5	4.1	248
250051004	2011	8	26	1	V	9.1	0.9	3.75	257
250051004	2011	8	26	2	V	6.4	1.9	3.64	240
250051004	2011	8	26	3	V	9.1	4.3	2.11	236
250051004	2011	8	26	4	V	7.6	6.7	2.45	183
250051004	2011	8	26	5	V	7.4	7.9	1.98	180
250051004	2011	8	26	6	V	8.0	8.1	1.6	227
250051004	2011	8	26	7	V	8.0	2.8	1.84	242
250051004	2011	8	26	8	V	7.9	2.1	2.86	307
250051004	2011	8	26	9	V	14.0	7	3.4	338
250051004	2011	8	26	10	V	27.6	11.6	2.33	338
250051004	2011	8	26	11	V	24.2	37.1	2.15	307
250051004	2011	8	26	12	V	19.3	34.2	2.13	261
250051004	2011	8	26	13	V	16.3	3.1	3.12	224
250051004	2011	8	26	14	V	17.2	2.1	3.29	164
250051004	2011	8	26	15	V	6.5	1.9	5.43	160
250051004	2011	8	26	16	V	6.1	1.9	4.82	158

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	26	17	V	4.5	1.6	3.75	149
250051004	2011	8	26	18	V	3.7	1.7	3.86	147
250051004	2011	8	26	19	V	3.3	1.8	2.28	181
250051004	2011	8	26	20	V	3.2	1.8	2.95	215
250051004	2011	8	26	21	V	3.1	1.9	2.28	181
250051004	2011	8	26	22	V	3.0	1.8	1.62	208
250051004	2011	8	26	23	V	3.1	1.7	1.31	192
250051004	2011	8	26	24	V	6.8	1.6	1.16	199
250051004	2011	8	27	1	V	9.1	1.7	1.08	242
250051004	2011	8	27	2	V	6.4	1.7	1.42	166
250051004	2011	8	27	3	V	9.1	1.6	1.59	298
250051004	2011	8	27	4	V	7.6	1.6	1.57	166
250051004	2011	8	27	5	V	7.4	1.5	0.92	250
250051004	2011	8	27	6	V	8.0	1.6	1.71	202
250051004	2011	8	27	7	V	7.8	1.5	2.06	184
250051004	2011	8	27	8	V	7.5	1.7	1.48	206
250051004	2011	8	27	9	V	7.4	1.7	2.44	171
250051004	2011	8	27	10	V	7.4	1.7	2.98	153
250051004	2011	8	27	11	V	10.8	1.6	2.67	164
250051004	2011	8	27	12	V	18.9	1.7	2.08	152
250051004	2011	8	27	13	V	16.1	1.6	2.95	150
250051004	2011	8	27	14	V	17.0	1.6	3.35	155
250051004	2011	8	27	15	V	6.5	1.6	2.18	140
250051004	2011	8	27	16	V	6.3	1.6	1.72	89
250051004	2011	8	27	17	V	4.4	1.6	2.16	71
250051004	2011	8	27	18	V	3.6	1.7	2.11	86
250051004	2011	8	27	19	V	3.3	1.5	2.84	77
250051004	2011	8	27	20	V	3.2	1.7	3.86	68
250051004	2011	8	27	21	V	3.1	1.7	3.92	71
250051004	2011	8	27	22	V	3.0	1.7	4.19	76
250051004	2011	8	27	23	V	3.1	1.7	5.16	92
250051004	2011	8	27	24	V	6.8	1.9	6.28	101
250051004	2011	8	28	1	V	9.1	1.7	6.57	101
250051004	2011	8	28	2	V	6.4	1.8	6.24	104
250051004	2011	8	28	3	V	9.1	1.7	8.39	112
250051004	2011	8	28	4	V	7.6	2	9.86	115
250051004	2011	8	28	5	V	7.4	2	10.68	115
250051004	2011	8	28	6	V	8.0	2.2	11.7	121
250051004	2011	8	28	7	V	7.8	2.4	14.35	123
250051004	2011	8	28	8	V	7.5	2.4	15.08	127
250051004	2011	8	28	9	V	7.3	2.3	13.66	155
250051004	2011	8	28	10	V	7.3	-999	15.14	155
250051004	2011	8	28	11	V	10.5	-999	14.42	157
250051004	2011	8	28	12	V	18.4	-999	16.04	163
250051004	2011	8	28	13	V	15.9	-999	14.64	170
250051004	2011	8	28	14	V	16.9	-999	13.76	174

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	28	15	V	6.4	-999	13.54	184
250051004	2011	8	28	16	V	6.0	-999	12.31	191
250051004	2011	8	28	17	V	4.3	0	10.29	197
250051004	2011	8	28	18	V	3.6	0.2	11.06	210
250051004	2011	8	28	19	V	3.3	0.8	8.73	222
250051004	2011	8	28	20	V	3.2	1.2	8.96	233
250051004	2011	8	28	21	V	3.1	1.4	9.12	243
250051004	2011	8	28	22	V	3.0	-999	8.23	252
250051004	2011	8	28	23	V	3.1	0.6	9.68	267
250051004	2011	8	28	24	V	6.8	1	9.17	263
250051004	2011	8	29	1	V	9.1	1.3	6.14	254
250051004	2011	8	29	2	V	6.4	1.4	5.99	265
250051004	2011	8	29	3	V	9.1	1.3	4.8	267
250051004	2011	8	29	4	V	7.6	-999	4.65	262
250051004	2011	8	29	5	V	7.4	-999	4.68	265
250051004	2011	8	29	6	V	8.0	1.3	3.3	272
250051004	2011	8	29	7	V	7.9	1.4	2.44	267
250051004	2011	8	29	8	V	7.5	1.4	3.25	282
250051004	2011	8	29	9	V	7.3	1.3	3.51	282
250051004	2011	8	29	10	V	7.3	1.3	3.32	275
250051004	2011	8	29	11	V	10.6	1.4	2.86	277
250051004	2011	8	29	12	V	18.4	1.8	3.47	259
250051004	2011	8	29	13	V	15.9	1.4	4.1	256
250051004	2011	8	29	14	V	17.0	1.5	3.88	268
250051004	2011	8	29	15	V	6.4	1.5	4.59	259
250051004	2011	8	29	16	V	6.0	1.6	4.14	271
250051004	2011	8	29	17	V	4.3	1.5	4.09	290
250051004	2011	8	29	18	V	3.6	1.4	3.15	286
250051004	2011	8	29	19	V	3.3	1.5	2.38	273
250051004	2011	8	29	20	V	3.2	1.7	2.1	233
250051004	2011	8	29	21	V	3.1	1.5	2.08	236
250051004	2011	8	29	22	V	3.0	1.4	3	260
250051004	2011	8	29	23	V	3.1	1.7	2.37	269
250051004	2011	8	29	24	V	6.8	1.7	1.59	266
250051004	2011	8	30	1	V	9.1	1.6	1.42	273
250051004	2011	8	30	2	V	6.4	1.6	1.13	282
250051004	2011	8	30	3	V	9.1	1.5	1.33	290
250051004	2011	8	30	4	V	7.6	1.4	1.35	277
250051004	2011	8	30	5	V	7.4	1.6	1.69	279
250051004	2011	8	30	6	V	8.0	1.9	1.45	273
250051004	2011	8	30	7	V	7.8	2.9	1.5	284
250051004	2011	8	30	8	V	7.5	2.9	2.01	342
250051004	2011	8	30	9	V	7.3	2	1.87	16
250051004	2011	8	30	10	V	7.3	1.3	2.57	40
250051004	2011	8	30	11	V	10.5	1.4	2.37	44
250051004	2011	8	30	12	V	18.4	1.2	2.67	342

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	8	30	13	V	15.9	0.9	2.28	343
250051004	2011	8	30	14	V	16.9	1.4	2.57	282
250051004	2011	8	30	15	V	6.4	1.4	2.61	308
250051004	2011	8	30	16	V	6.0	1.4	2.37	255
250051004	2011	8	30	17	V	4.3	1.5	3.01	254
250051004	2011	8	30	18	V	3.6	1.3	4.22	193
250051004	2011	8	30	19	V	3.3	1.4	3.4	212
250051004	2011	8	30	20	V	3.2	1.3	2.11	222
250051004	2011	8	30	21	V	3.1	1.3	2.08	217
250051004	2011	8	30	22	V	3.0	1.2	1.5	217
250051004	2011	8	30	23	V	3.1	1.2	1.6	195
250051004	2011	8	30	24	V	6.8	1.3	2.05	243
250051004	2011	8	31	1	V	9.1	1.4	2.28	256
250051004	2011	8	31	2	V	6.4	1.4	2.84	272
250051004	2011	8	31	3	V	9.1	1.6	1.2	235
250051004	2011	8	31	4	V	7.6	1.4	1.35	251
250051004	2011	8	31	5	V	7.4	1.3	1.76	271
250051004	2011	8	31	6	V	8.0	1.5	1.43	278
250051004	2011	8	31	7	V	7.8	2	1.25	186
250051004	2011	8	31	8	V	7.5	2.8	0.92	209
250051004	2011	8	31	9	V	7.3	2.7	0.8	286
250051004	2011	8	31	10	V	7.3	1.9	2.79	356
250051004	2011	8	31	11	V	10.5	1.7	2.38	25
250051004	2011	8	31	12	V	18.4	1.8	1.82	29
250051004	2011	8	31	13	V	15.9	1.6	1.86	95
250051004	2011	8	31	14	V	16.9	1.7	2.08	145
250051004	2011	8	31	15	V	6.4	1.6	2.49	150
250051004	2011	8	31	16	V	6.0	1.5	2.93	162
250051004	2011	8	31	17	V	4.3	1.3	3.39	180
250051004	2011	8	31	18	V	3.6	1.6	3.71	151
250051004	2011	8	31	19	V	3.3	1.6	3.32	157
250051004	2011	8	31	20	V	3.2	1.6	2.28	148
250051004	2011	8	31	21	V	3.1	1.6	1.37	176
250051004	2011	8	31	22	V	3.0	-999	0.7	149
250051004	2011	8	31	23	V	3.1	1.3	1.74	243
250051004	2011	8	31	24	V	6.8	1.4	1.08	172
250051004	2011	9	1	1	V	9.4	1.3	0.89	134
250051004	2011	9	1	2	V	7.1	1.3	1.18	88
250051004	2011	9	1	3	V	9.1	1.3	0.79	97
250051004	2011	9	1	4	V	12.2	1.4	0.69	77
250051004	2011	9	1	5	V	10.4	1.3	1.57	350
250051004	2011	9	1	6	V	11.0	1.2	1.93	46
250051004	2011	9	1	7	V	11.3	1.4	1.76	36
250051004	2011	9	1	8	V	8.3	1.4	1.14	62
250051004	2011	9	1	9	V	8.2	1.2	3.26	127
250051004	2011	9	1	10	V	9.4	1.3	3.39	138

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	1	11	V	7.5	1.2	3.01	169
250051004	2011	9	1	12	V	8.9	1.4	2.74	152
250051004	2011	9	1	13	V	7.5	1.4	2.4	153
250051004	2011	9	1	14	V	7.0	1.4	1.96	146
250051004	2011	9	1	15	V	4.0	1.3	1.52	179
250051004	2011	9	1	16	V	3.7	1.4	3.93	155
250051004	2011	9	1	17	V	3.0	1.4	3.69	163
250051004	2011	9	1	18	V	2.7	1.5	2.61	159
250051004	2011	9	1	19	V	2.9	1.5	2.55	89
250051004	2011	9	1	20	V	2.7	1.6	3.51	66
250051004	2011	9	1	21	V	2.7	1.6	2.95	15
250051004	2011	9	1	22	V	2.6	1.6	3.15	34
250051004	2011	9	1	23	V	2.6	1.5	2.93	29
250051004	2011	9	1	24	V	7.9	1.5	2.96	36
250051004	2011	9	2	1	V	9.4	1.2	3.58	50
250051004	2011	9	2	2	V	7.1	1.3	4.19	48
250051004	2011	9	2	3	V	9.1	0.8	3.51	38
250051004	2011	9	2	4	V	12.2	1.2	3.63	16
250051004	2011	9	2	5	V	10.4	1.5	3.78	4
250051004	2011	9	2	6	V	11.0	1.3	3.88	23
250051004	2011	9	2	7	V	11.3	1.4	4.1	29
250051004	2011	9	2	8	V	8.3	1.6	3.58	25
250051004	2011	9	2	9	V	8.2	1.5	3.47	25
250051004	2011	9	2	10	V	9.4	1.6	2.78	27
250051004	2011	9	2	11	V	7.5	1.6	2.45	22
250051004	2011	9	2	12	V	8.9	1.6	2.71	45
250051004	2011	9	2	13	V	7.5	1.5	3.22	66
250051004	2011	9	2	14	V	7.0	1.5	3.1	80
250051004	2011	9	2	15	V	4.0	1.5	3.12	86
250051004	2011	9	2	16	V	3.7	1.4	3.39	95
250051004	2011	9	2	17	V	3.0	1.4	3.3	99
250051004	2011	9	2	18	V	2.7	1.6	3.63	103
250051004	2011	9	2	19	V	2.9	1.3	2.27	95
250051004	2011	9	2	20	V	2.7	1.4	1.4	128
250051004	2011	9	2	21	V	2.7	1.5	0.58	80
250051004	2011	9	2	22	V	2.6	1.5	1.18	207
250051004	2011	9	2	23	V	2.6	1.4	1.57	205
250051004	2011	9	2	24	V	7.9	1.3	2.15	200
250051004	2011	9	3	1	V	9.4	1.4	2.32	208
250051004	2011	9	3	2	V	7.1	1.5	2.16	205
250051004	2011	9	3	3	V	9.1	1.6	2.61	186
250051004	2011	9	3	4	V	12.2	1.5	2.42	205
250051004	2011	9	3	5	V	10.4	1.5	2.05	198
250051004	2011	9	3	6	V	11.0	1.6	2.32	198
250051004	2011	9	3	7	V	11.3	1.7	3.12	186
250051004	2011	9	3	8	V	8.3	1.8	3.34	205

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	3	9	V	8.2	2.1	3.97	208
250051004	2011	9	3	10	V	9.4	2.2	5.24	225
250051004	2011	9	3	11	V	7.5	2.1	5.16	233
250051004	2011	9	3	12	V	8.9	2	5.07	238
250051004	2011	9	3	13	V	7.5	2.1	4.77	225
250051004	2011	9	3	14	V	7.0	2.2	5.51	208
250051004	2011	9	3	15	V	4.0	2.1	5.73	196
250051004	2011	9	3	16	V	3.7	1.8	5.56	210
250051004	2011	9	3	17	V	3.0	2.2	5.28	202
250051004	2011	9	3	18	V	2.7	2.1	4.9	213
250051004	2011	9	3	19	V	2.9	1.9	3.83	203
250051004	2011	9	3	20	V	2.7	1.8	3.66	201
250051004	2011	9	3	21	V	2.7	1.7	3.59	196
250051004	2011	9	3	22	V	2.6	-999	3.49	203
250051004	2011	9	3	23	V	2.6	1.7	2.76	196
250051004	2011	9	3	24	V	7.9	1.8	2.54	201
250051004	2011	9	4	1	V	9.4	1.8	2.3	192
250051004	2011	9	4	2	V	7.1	1.9	2.55	179
250051004	2011	9	4	3	V	9.1	2	2.52	192
250051004	2011	9	4	4	V	12.2	2.1	2.25	212
250051004	2011	9	4	5	V	10.4	2.1	2.27	230
250051004	2011	9	4	6	V	11.0	2.1	2.13	231
250051004	2011	9	4	7	V	11.3	2	3.03	194
250051004	2011	9	4	8	V	8.3	2.1	2.44	191
250051004	2011	9	4	9	V	8.2	2.1	3.59	164
250051004	2011	9	4	10	V	9.4	2.3	3.63	174
250051004	2011	9	4	11	V	7.5	2.4	4.44	212
250051004	2011	9	4	12	V	8.9	2.2	4.39	209
250051004	2011	9	4	13	V	7.5	2.1	5.56	183
250051004	2011	9	4	14	V	7.0	2.1	6.09	188
250051004	2011	9	4	15	V	4.0	2.3	6.09	201
250051004	2011	9	4	16	V	3.7	2.3	6.94	184
250051004	2011	9	4	17	V	3.0	2.2	6.7	192
250051004	2011	9	4	18	V	2.7	2	5.96	189
250051004	2011	9	4	19	V	2.9	2	5.58	195
250051004	2011	9	4	20	V	2.7	2	4.15	202
250051004	2011	9	4	21	V	2.7	1.8	3.8	187
250051004	2011	9	4	22	V	2.6	1.9	3.86	193
250051004	2011	9	4	23	V	2.6	2	3.76	202
250051004	2011	9	4	24	V	7.9	2	3.85	192
250051004	2011	9	5	1	V	9.4	1.9	4.19	198
250051004	2011	9	5	2	V	7.1	1.9	4.73	204
250051004	2011	9	5	3	V	9.1	1.9	4.54	193
250051004	2011	9	5	4	V	12.2	1.8	4.31	189
250051004	2011	9	5	5	V	10.4	1.8	3.85	188
250051004	2011	9	5	6	V	11.0	1.8	3.12	195

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	5	7	V	11.3	2	4.1	190
250051004	2011	9	5	8	V	8.3	1.9	5.05	201
250051004	2011	9	5	9	V	8.2	2	5.84	208
250051004	2011	9	5	10	V	9.4	2	6.52	206
250051004	2011	9	5	11	V	7.5	2	7.37	207
250051004	2011	9	5	12	V	8.9	2	6.35	208
250051004	2011	9	5	13	V	7.5	1.9	8.05	198
250051004	2011	9	5	14	V	7.0	2	8.15	195
250051004	2011	9	5	15	V	4.0	1.9	7.89	201
250051004	2011	9	5	16	V	3.7	1.9	6.89	196
250051004	2011	9	5	17	V	3.0	2	6.31	195
250051004	2011	9	5	18	V	2.7	1.9	6.31	194
250051004	2011	9	5	19	V	2.9	1.9	5.56	190
250051004	2011	9	5	20	V	2.7	1.9	4.56	189
250051004	2011	9	5	21	V	2.7	1.9	4.12	189
250051004	2011	9	5	22	V	2.6	1.9	4.73	193
250051004	2011	9	5	23	V	2.6	1.8	4.17	194
250051004	2011	9	5	24	V	7.9	1.7	3.51	192
250051004	2011	9	6	1	V	9.4	11.6	2.74	190
250051004	2011	9	6	2	V	7.1	19.9	3.2	178
250051004	2011	9	6	3	V	9.1	8.8	3.22	181
250051004	2011	9	6	4	V	12.2	9.6	3.58	201
250051004	2011	9	6	5	V	10.4	5.1	8.03	336
250051004	2011	9	6	6	V	11.0	2.1	7.38	7
250051004	2011	9	6	7	V	11.3	2	5.65	16
250051004	2011	9	6	8	V	8.3	1.8	4.77	9
250051004	2011	9	6	9	V	8.2	1.8	4.32	15
250051004	2011	9	6	10	V	9.4	1.8	5.63	22
250051004	2011	9	6	11	V	7.5	2	5.16	27
250051004	2011	9	6	12	V	8.9	2	4.59	34
250051004	2011	9	6	13	V	7.5	1.8	4.32	37
250051004	2011	9	6	14	V	7.0	1.7	4.44	36
250051004	2011	9	6	15	V	4.0	1.6	4.6	34
250051004	2011	9	6	16	V	3.7	1.8	5.05	32
250051004	2011	9	6	17	V	3.0	1.5	5.87	46
250051004	2011	9	6	18	V	2.7	1.6	4.66	55
250051004	2011	9	6	19	V	2.9	1.4	4.34	46
250051004	2011	9	6	20	V	2.7	1.4	4.2	43
250051004	2011	9	6	21	V	2.7	1.4	4.29	49
250051004	2011	9	6	22	V	2.6	-999	3.42	55
250051004	2011	9	6	23	V	2.6	1.2	3.71	48
250051004	2011	9	6	24	V	7.9	1.4	3.63	46
250051004	2011	9	7	1	V	9.4	1.5	3.47	48
250051004	2011	9	7	2	V	7.1	1.4	3.42	50
250051004	2011	9	7	3	V	9.1	1.4	3.98	51
250051004	2011	9	7	4	V	12.2	1.4	3.54	56

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	7	5	V	10.4	1.5	3.93	48
250051004	2011	9	7	6	V	11.0	1.5	3.95	57
250051004	2011	9	7	7	V	11.3	1.4	3.91	57
250051004	2011	9	7	8	V	8.3	1.3	4.39	37
250051004	2011	9	7	9	V	8.2	1.4	4.32	40
250051004	2011	9	7	10	V	9.4	1.4	5	44
250051004	2011	9	7	11	V	7.5	1.4	4.41	43
250051004	2011	9	7	12	V	8.9	1.4	4.09	36
250051004	2011	9	7	13	V	7.5	1.3	5.14	42
250051004	2011	9	7	14	V	7.0	1.4	4.82	33
250051004	2011	9	7	15	V	4.0	1.6	5.38	25
250051004	2011	9	7	16	V	3.7	1.5	5.26	23
250051004	2011	9	7	17	V	3.0	1.6	4.63	18
250051004	2011	9	7	18	V	2.7	1.5	5.51	11
250051004	2011	9	7	19	V	2.9	1.6	4.99	14
250051004	2011	9	7	20	V	2.7	1.5	5.22	14
250051004	2011	9	7	21	V	2.7	1.5	5.14	10
250051004	2011	9	7	22	V	2.6	1.4	4.54	14
250051004	2011	9	7	23	V	2.6	1.4	3.85	11
250051004	2011	9	7	24	V	7.9	1.4	3.83	13
250051004	2011	9	8	1	V	9.4	1.5	3.97	5
250051004	2011	9	8	2	V	7.1	1.5	3.85	18
250051004	2011	9	8	3	V	9.1	1.6	2.86	359
250051004	2011	9	8	4	V	12.2	1.6	3.97	16
250051004	2011	9	8	5	V	10.4	1.7	4.56	27
250051004	2011	9	8	6	V	11.0	1.5	5.36	21
250051004	2011	9	8	7	V	11.3	1.4	4.76	29
250051004	2011	9	8	8	V	8.3	-999	4.29	5
250051004	2011	9	8	9	V	8.2	-999	4.34	355
250051004	2011	9	8	10	V	9.4	1.6	4.36	43
250051004	2011	9	8	11	V	7.5	1.6	3.35	70
250051004	2011	9	8	12	V	8.9	1.7	2.42	57
250051004	2011	9	8	13	V	7.5	1.6	2.38	50
250051004	2011	9	8	14	V	7.0	2	3.25	16
250051004	2011	9	8	15	V	4.0	1.8	4.95	14
250051004	2011	9	8	16	V	3.7	1.8	5.29	21
250051004	2011	9	8	17	V	3.0	1.8	4.66	22
250051004	2011	9	8	18	V	2.7	1.9	3.86	21
250051004	2011	9	8	19	V	2.9	2	3.71	27
250051004	2011	9	8	20	V	2.7	2.1	4.31	29
250051004	2011	9	8	21	V	2.7	1.6	3.76	17
250051004	2011	9	8	22	V	2.6	-999	3.9	3
250051004	2011	9	8	23	V	2.6	1.7	2.69	18
250051004	2011	9	8	24	V	7.9	1.9	3.9	360
250051004	2011	9	9	1	V	9.4	1.9	4.05	20
250051004	2011	9	9	2	V	7.1	2.1	4.14	23

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	9	3	V	9.1	2.2	3.56	13
250051004	2011	9	9	4	V	12.2	2.1	4.12	356
250051004	2011	9	9	5	V	10.4	2.1	4.03	359
250051004	2011	9	9	6	V	11.0	2.3	4.44	348
250051004	2011	9	9	7	V	11.3	2.2	5.09	351
250051004	2011	9	9	8	V	8.3	2	5.46	349
250051004	2011	9	9	9	V	8.2	2.1	5.82	354
250051004	2011	9	9	10	V	9.4	2.2	6.28	360
250051004	2011	9	9	11	V	7.5	2.2	5.73	358
250051004	2011	9	9	12	V	8.9	2.2	5.39	345
250051004	2011	9	9	13	V	7.5	2.2	5.11	351
250051004	2011	9	9	14	V	7.0	2.3	3.52	340
250051004	2011	9	9	15	V	4.0	2.2	3.61	336
250051004	2011	9	9	16	V	3.7	2.3	3.22	331
250051004	2011	9	9	17	V	3.0	2.3	3.44	283
250051004	2011	9	9	18	V	2.7	3.3	2.45	291
250051004	2011	9	9	19	V	2.9	6.6	1.55	262
250051004	2011	9	9	20	V	2.7	2.7	1.52	244
250051004	2011	9	9	21	V	2.7	2.4	2.06	274
250051004	2011	9	9	22	V	2.6	2.3	2.08	255
250051004	2011	9	9	23	V	2.6	2.1	1.72	245
250051004	2011	9	9	24	V	7.9	2.1	2.2	255
250051004	2011	9	10	1	V	9.4	2.2	1.03	282
250051004	2011	9	10	2	V	7.1	2.2	0.89	255
250051004	2011	9	10	3	V	9.1	2.1	0.57	236
250051004	2011	9	10	4	V	12.2	2.2	0.99	294
250051004	2011	9	10	5	V	10.4	2.2	0.75	283
250051004	2011	9	10	6	V	11.0	2.1	1.08	320
250051004	2011	9	10	7	V	11.3	2.3	1.03	25
250051004	2011	9	10	8	V	8.3	2.1	2.91	8
250051004	2011	9	10	9	V	8.2	2.1	4.87	15
250051004	2011	9	10	10	V	9.4	2.2	4.59	22
250051004	2011	9	10	11	V	7.5	2.5	4.73	32
250051004	2011	9	10	12	V	8.9	2.3	4.42	50
250051004	2011	9	10	13	V	7.5	2.1	3.8	47
250051004	2011	9	10	14	V	7.0	2	3.37	54
250051004	2011	9	10	15	V	4.0	2	3.44	68
250051004	2011	9	10	16	V	3.7	2	4.58	87
250051004	2011	9	10	17	V	3.0	2.1	4.76	79
250051004	2011	9	10	18	V	2.7	1.9	4.63	78
250051004	2011	9	10	19	V	2.9	1.8	3.61	88
250051004	2011	9	10	20	V	2.7	1.8	3.12	70
250051004	2011	9	10	21	V	2.7	1.8	3.34	60
250051004	2011	9	10	22	V	2.6	1.8	2.37	49
250051004	2011	9	10	23	V	2.6	1.7	2.32	30
250051004	2011	9	10	24	V	7.9	1.6	1.79	20

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	11	1	V	9.4	1.7	2.28	27
250051004	2011	9	11	2	V	7.1	1.6	2.06	30
250051004	2011	9	11	3	V	9.1	1.6	1.74	41
250051004	2011	9	11	4	V	12.2	1.5	1.84	9
250051004	2011	9	11	5	V	10.4	1.5	1.55	354
250051004	2011	9	11	6	V	11.0	1.6	2.25	18
250051004	2011	9	11	7	V	11.3	1.8	1.82	52
250051004	2011	9	11	8	V	8.3	1.8	1.98	64
250051004	2011	9	11	9	V	8.2	1.6	2.59	102
250051004	2011	9	11	10	V	9.4	1.5	3.37	111
250051004	2011	9	11	11	V	7.5	1.6	3.37	124
250051004	2011	9	11	12	V	8.9	1.6	3.71	129
250051004	2011	9	11	13	V	7.5	1.7	3.93	183
250051004	2011	9	11	14	V	7.0	1.6	3.86	169
250051004	2011	9	11	15	V	4.0	1.7	4.03	166
250051004	2011	9	11	16	V	3.7	1.8	4.36	160
250051004	2011	9	11	17	V	3.0	1.8	4.41	159
250051004	2011	9	11	18	V	2.7	1.6	4.03	175
250051004	2011	9	11	19	V	2.9	1.8	2.88	180
250051004	2011	9	11	20	V	2.7	1.9	2.35	214
250051004	2011	9	11	21	V	2.7	1.8	1.54	214
250051004	2011	9	11	22	V	2.6	-999	1.86	240
250051004	2011	9	11	23	V	2.6	1.5	2.61	218
250051004	2011	9	11	24	V	7.9	1.7	3	211
250051004	2011	9	12	1	V	9.4	7.9	2.62	225
250051004	2011	9	12	2	V	7.1	4.3	1.76	225
250051004	2011	9	12	3	V	9.1	2.7	1.62	241
250051004	2011	9	12	4	V	12.2	-999	1.88	221
250051004	2011	9	12	5	V	10.4	2.3	1.25	189
250051004	2011	9	12	6	V	11.0	1.9	2.08	207
250051004	2011	9	12	7	V	11.3	2.1	1.84	252
250051004	2011	9	12	8	V	8.3	2.3	2.67	233
250051004	2011	9	12	9	V	8.2	2	2.37	241
250051004	2011	9	12	10	V	9.4	2.1	2.74	231
250051004	2011	9	12	11	V	7.5	2.9	3.15	231
250051004	2011	9	12	12	V	8.9	2.8	2.88	248
250051004	2011	9	12	13	V	7.5	5.1	4.39	180
250051004	2011	9	12	14	V	7.0	2.4	4.76	150
250051004	2011	9	12	15	V	4.0	2.1	4.88	139
250051004	2011	9	12	16	V	3.7	2.2	4.39	215
250051004	2011	9	12	17	V	3.0	2.2	5.24	206
250051004	2011	9	12	18	V	2.7	2.1	4.05	218
250051004	2011	9	12	19	V	2.9	1.9	3.1	201
250051004	2011	9	12	20	V	2.7	2	2.23	220
250051004	2011	9	12	21	V	2.7	2	2.33	235
250051004	2011	9	12	22	V	2.6	1.9	2.52	246

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	12	23	V	2.6	2.2	1.54	217
250051004	2011	9	12	24	V	7.9	1.9	1.3	192
250051004	2011	9	13	1	V	9.4	9.4	1.43	188
250051004	2011	9	13	2	V	7.1	7.9	1.59	173
250051004	2011	9	13	3	V	9.1	5.4	1.13	191
250051004	2011	9	13	4	V	12.2	4.6	1.21	202
250051004	2011	9	13	5	V	10.4	7.2	2.01	210
250051004	2011	9	13	6	V	11.0	3.8	2.39	204
250051004	2011	9	13	7	V	11.3	5.4	2.2	213
250051004	2011	9	13	8	V	8.3	7.1	2.96	243
250051004	2011	9	13	9	V	8.3	3.9	2.33	194
250051004	2011	9	13	10	V	9.4	4.8	4.53	233
250051004	2011	9	13	11	V	7.5	3.2	5.07	233
250051004	2011	9	13	12	V	8.9	4.1	5.84	235
250051004	2011	9	13	13	V	7.5	8.3	5.62	224
250051004	2011	9	13	14	V	7.0	3.6	6.57	217
250051004	2011	9	13	15	V	4.0	3.5	7.25	213
250051004	2011	9	13	16	V	3.7	3.6	7.14	215
250051004	2011	9	13	17	V	3.0	3	6.64	216
250051004	2011	9	13	18	V	2.7	2.9	5.61	202
250051004	2011	9	13	19	V	2.9	2.7	4.99	207
250051004	2011	9	13	20	V	2.7	2.6	4.73	211
250051004	2011	9	13	21	V	2.7	2.4	5.04	214
250051004	2011	9	13	22	V	2.6	2.3	4.48	209
250051004	2011	9	13	23	V	2.6	2.4	4.41	206
250051004	2011	9	13	24	V	7.9	2.4	3.46	209
250051004	2011	9	14	1	V	9.4	3.9	4.05	217
250051004	2011	9	14	2	V	7.1	6.6	3.83	201
250051004	2011	9	14	3	V	9.1	9.7	3.27	203
250051004	2011	9	14	4	V	12.2	11.1	2.73	203
250051004	2011	9	14	5	V	10.4	13.1	2.79	211
250051004	2011	9	14	6	V	11.0	11.6	2.45	217
250051004	2011	9	14	7	V	11.3	10.5	2.81	231
250051004	2011	9	14	8	V	8.3	5.4	4	239
250051004	2011	9	14	9	V	8.2	5.9	4.41	220
250051004	2011	9	14	10	V	9.5	6.9	3.85	198
250051004	2011	9	14	11	V	7.5	-999	4.82	203
250051004	2011	9	14	12	V	8.9	2.1	6.09	194
250051004	2011	9	14	13	V	7.5	6.5	6.09	200
250051004	2011	9	14	14	V	7.0	6.8	6.33	217
250051004	2011	9	14	15	V	4.0	1.8	6.65	222
250051004	2011	9	14	16	V	3.7	1	6.45	205
250051004	2011	9	14	17	V	3.1	1.2	5.07	195
250051004	2011	9	14	18	V	2.7	0.7	4.34	175
250051004	2011	9	14	19	V	2.9	0.6	3.12	178
250051004	2011	9	14	20	V	2.7	0.5	2.66	169

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	14	21	V	2.7	0.5	3.18	174
250051004	2011	9	14	22	V	2.6	-999	2.54	184
250051004	2011	9	14	23	V	2.6	0.1	2.62	162
250051004	2011	9	14	24	V	7.9	0.1	3.01	162
250051004	2011	9	15	1	V	9.4	6.1	2.59	171
250051004	2011	9	15	2	V	7.1	1.7	2.16	158
250051004	2011	9	15	3	V	9.1	3.1	2.3	173
250051004	2011	9	15	4	V	12.2	1.7	2.54	168
250051004	2011	9	15	5	V	10.4	1.6	3.54	179
250051004	2011	9	15	6	V	11.0	1.2	3.41	189
250051004	2011	9	15	7	V	11.3	5	2.91	195
250051004	2011	9	15	8	V	8.3	5.7	3.27	198
250051004	2011	9	15	9	V	8.2	4.7	3.61	189
250051004	2011	9	15	10	V	9.4	3.8	4.48	181
250051004	2011	9	15	11	V	7.5	6.7	4.46	170
250051004	2011	9	15	12	V	8.9	5.6	4.09	208
250051004	2011	9	15	13	V	7.5	4.1	5.27	165
250051004	2011	9	15	14	V	7.0	5.1	4.99	270
250051004	2011	9	15	15	V	4.0	0.3	3.44	286
250051004	2011	9	15	16	V	3.7	0.6	2.86	330
250051004	2011	9	15	17	V	3.0	1	6.46	342
250051004	2011	9	15	18	V	2.7	0.7	5.96	322
250051004	2011	9	15	19	V	2.9	0.4	3.86	331
250051004	2011	9	15	20	V	2.7	0.1	8.46	329
250051004	2011	9	15	21	V	2.7	0	7.96	328
250051004	2011	9	15	22	V	2.6	0	9.06	340
250051004	2011	9	15	23	V	2.6	0	6.46	345
250051004	2011	9	15	24	V	7.9	0	8.46	330
250051004	2011	9	16	1	V	9.4	0	5.36	332
250051004	2011	9	16	2	V	7.1	0	3.86	8
250051004	2011	9	16	3	V	9.1	0.1	3.36	308
250051004	2011	9	16	4	V	12.2	0	2.86	306
250051004	2011	9	16	5	V	10.4	0	3.86	302
250051004	2011	9	16	6	V	11.0	0.1	3.36	314
250051004	2011	9	16	7	V	11.3	0.3	2.86	328
250051004	2011	9	16	8	V	8.3	0.1	3.86	340
250051004	2011	9	16	9	V	8.2	0	4.36	350
250051004	2011	9	16	10	V	9.4	0.2	3.36	334
250051004	2011	9	16	11	V	7.5	0.2	3.86	351
250051004	2011	9	16	12	V	8.9	0.1	7.46	330
250051004	2011	9	16	13	V	7.5	0	5.36	327
250051004	2011	9	16	14	V	7.0	0	4.56	332
250051004	2011	9	16	15	V	4.0	0	4.88	290
250051004	2011	9	16	16	V	3.7	0	4.58	295
250051004	2011	9	16	17	V	3.0	0	4.58	298
250051004	2011	9	16	18	V	2.7	0.1	3.25	299

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	16	19	V	2.9	0	2.57	313
250051004	2011	9	16	20	V	2.7	0	2.2	274
250051004	2011	9	16	21	V	2.7	0	2.4	282
250051004	2011	9	16	22	V	2.6	0	1.82	281
250051004	2011	9	16	23	V	2.6	0	1.59	329
250051004	2011	9	16	24	V	7.9	0	2.84	330
250051004	2011	9	17	1	V	9.4	0	2.84	356
250051004	2011	9	17	2	V	7.1	0	3.76	354
250051004	2011	9	17	3	V	9.1	0	3.25	356
250051004	2011	9	17	4	V	12.2	0	1.94	354
250051004	2011	9	17	5	V	10.4	0	2.54	348
250051004	2011	9	17	6	V	11.0	0	3.27	342
250051004	2011	9	17	7	V	11.3	0	3.68	353
250051004	2011	9	17	8	V	8.3	0	3.47	18
250051004	2011	9	17	9	V	8.2	0.5	3.15	43
250051004	2011	9	17	10	V	9.4	0	3.64	45
250051004	2011	9	17	11	V	7.5	0	3.2	60
250051004	2011	9	17	12	V	8.9	0	3.03	96
250051004	2011	9	17	13	V	7.5	0	3.25	77
250051004	2011	9	17	14	V	7.0	0	2.66	122
250051004	2011	9	17	15	V	4.0	0	1.91	84
250051004	2011	9	17	16	V	3.7	0	2.1	120
250051004	2011	9	17	17	V	3.0	0	2.79	174
250051004	2011	9	17	18	V	2.7	0	2.57	154
250051004	2011	9	17	19	V	2.9	0	2.25	109
250051004	2011	9	17	20	V	2.7	0	3.76	79
250051004	2011	9	17	21	V	2.7	0	2.96	75
250051004	2011	9	17	22	V	2.6	-999	2.28	75
250051004	2011	9	17	23	V	2.6	0	1.81	21
250051004	2011	9	17	24	V	7.9	0	2.27	360
250051004	2011	9	18	1	V	9.4	0	2.42	355
250051004	2011	9	18	2	V	7.1	0	1.96	360
250051004	2011	9	18	3	V	9.1	0	2.11	2
250051004	2011	9	18	4	V	12.2	0	3.29	20
250051004	2011	9	18	5	V	10.4	0	3.64	22
250051004	2011	9	18	6	V	11.0	0	4.19	22
250051004	2011	9	18	7	V	11.3	0	3.69	16
250051004	2011	9	18	8	V	8.3	0.1	4.58	25
250051004	2011	9	18	9	V	8.2	0	4.85	25
250051004	2011	9	18	10	V	9.4	0	4.6	24
250051004	2011	9	18	11	V	7.5	0	5.36	54
250051004	2011	9	18	12	V	8.9	0	6.31	46
250051004	2011	9	18	13	V	7.5	0	6.79	43
250051004	2011	9	18	14	V	7.0	0	6.33	53
250051004	2011	9	18	15	V	4.0	0	6.36	48
250051004	2011	9	18	16	V	3.7	0	6.72	51

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	18	17	V	3.0	0	6.35	53
250051004	2011	9	18	18	V	2.7	0	5.79	53
250051004	2011	9	18	19	V	2.9	0	4.41	40
250051004	2011	9	18	20	V	2.7	0	4.6	29
250051004	2011	9	18	21	V	2.7	0.4	4.32	28
250051004	2011	9	18	22	V	2.6	0.2	4.26	27
250051004	2011	9	18	23	V	2.6	0	3.41	15
250051004	2011	9	18	24	V	7.9	0	3.15	354
250051004	2011	9	19	1	V	9.4	0	3.3	355
250051004	2011	9	19	2	V	7.1	0	3.07	344
250051004	2011	9	19	3	V	9.1	0	3.51	347
250051004	2011	9	19	4	V	12.2	0	3.8	350
250051004	2011	9	19	5	V	10.4	0	3.88	351
250051004	2011	9	19	6	V	11.0	0	3.15	348
250051004	2011	9	19	7	V	11.3	0.1	3.54	348
250051004	2011	9	19	8	V	8.3	0.2	3.12	350
250051004	2011	9	19	9	V	8.2	0.3	4	15
250051004	2011	9	19	10	V	9.4	0.2	4.34	28
250051004	2011	9	19	11	V	7.5	0	3.81	24
250051004	2011	9	19	12	V	8.9	0	3.59	24
250051004	2011	9	19	13	V	7.5	0	2.78	20
250051004	2011	9	19	14	V	7.0	0	2.57	65
250051004	2011	9	19	15	V	4.0	0	2.5	97
250051004	2011	9	19	16	V	3.7	0	2.71	96
250051004	2011	9	19	17	V	3.0	0	2.32	121
250051004	2011	9	19	18	V	2.7	0	2.2	128
250051004	2011	9	19	19	V	2.9	0	2.72	156
250051004	2011	9	19	20	V	2.7	0	2.38	143
250051004	2011	9	19	21	V	2.7	0	1.72	159
250051004	2011	9	19	22	V	2.6	0	1.64	161
250051004	2011	9	19	23	V	2.6	0	2.18	210
250051004	2011	9	19	24	V	7.9	0	2.28	221
250051004	2011	9	20	1	V	9.4	0	1.7	238
250051004	2011	9	20	2	V	7.1	0	1.86	207
250051004	2011	9	20	3	V	9.1	0	1.76	230
250051004	2011	9	20	4	V	12.2	0	2.16	200
250051004	2011	9	20	5	V	10.4	0	1.82	197
250051004	2011	9	20	6	V	11.0	0	1.86	209
250051004	2011	9	20	7	V	11.3	0.7	1.53	222
250051004	2011	9	20	8	V	8.3	5.2	3.08	205
250051004	2011	9	20	9	V	8.2	5.1	3.97	207
250051004	2011	9	20	10	V	9.4	2.3	4.07	209
250051004	2011	9	20	11	V	7.5	1.1	3.98	204
250051004	2011	9	20	12	V	8.9	-999	4.66	203
250051004	2011	9	20	13	V	7.5	4.6	4.54	215
250051004	2011	9	20	14	V	7.0	4	5.46	218

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	20	15	V	4.0	1.8	5.05	230
250051004	2011	9	20	16	V	3.7	0.8	5.26	237
250051004	2011	9	20	17	V	3.0	0.7	3.51	246
250051004	2011	9	20	18	V	2.7	0.6	2.67	260
250051004	2011	9	20	19	V	2.9	0.6	2.69	270
250051004	2011	9	20	20	V	2.7	0.4	2.42	290
250051004	2011	9	20	21	V	2.7	0.5	2.52	213
250051004	2011	9	20	22	V	2.6	-999	1.86	221
250051004	2011	9	20	23	V	2.6	0.2	1.11	229
250051004	2011	9	20	24	V	7.9	0.3	1.38	255
250051004	2011	9	21	1	V	9.4	0.3	2.69	273
250051004	2011	9	21	2	V	7.1	0.3	1.45	230
250051004	2011	9	21	3	V	9.1	0.2	2.28	270
250051004	2011	9	21	4	V	12.2	0.4	2.47	267
250051004	2011	9	21	5	V	10.4	0.5	2.13	265
250051004	2011	9	21	6	V	11.0	0.4	1.13	250
250051004	2011	9	21	7	V	11.3	0.9	2.08	257
250051004	2011	9	21	8	V	8.3	2.7	1.13	264
250051004	2011	9	21	9	V	8.2	1.7	1.31	254
250051004	2011	9	21	10	V	9.4	1.1	1.81	257
250051004	2011	9	21	11	V	7.5	0.6	2.32	181
250051004	2011	9	21	12	V	8.9	0.5	4.61	160
250051004	2011	9	21	13	V	7.5	5.7	6.46	149
250051004	2011	9	21	14	V	7.0	3.6	5.9	151
250051004	2011	9	21	15	V	4.0	0.5	6.11	159
250051004	2011	9	21	16	V	3.7	0.4	5.62	164
250051004	2011	9	21	17	V	3.0	0.5	4.14	183
250051004	2011	9	21	18	V	2.7	0.4	3.17	192
250051004	2011	9	21	19	V	2.9	0.4	2.62	170
250051004	2011	9	21	20	V	2.7	0.5	3.2	178
250051004	2011	9	21	21	V	2.7	0.3	2.62	177
250051004	2011	9	21	22	V	2.6	0.3	2.84	165
250051004	2011	9	21	23	V	2.6	0.4	2.86	156
250051004	2011	9	21	24	V	7.9	0.1	2.67	153
250051004	2011	9	22	1	V	9.4	0.4	1.87	141
250051004	2011	9	22	2	V	7.1	0.3	1.65	113
250051004	2011	9	22	3	V	9.1	0.2	1.31	93
250051004	2011	9	22	4	V	12.2	0.4	1.55	107
250051004	2011	9	22	5	V	10.4	0.3	1.42	148
250051004	2011	9	22	6	V	11.0	0.3	1.55	140
250051004	2011	9	22	7	V	11.3	0.4	1.71	166
250051004	2011	9	22	8	V	8.3	0.5	1.03	126
250051004	2011	9	22	9	V	8.2	0.4	0.8	102
250051004	2011	9	22	10	V	9.4	2.4	1.67	89
250051004	2011	9	22	11	V	7.5	2.5	1.45	101
250051004	2011	9	22	12	V	8.9	0.8	2.42	90

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	22	13	V	7.5	0.7	2.57	119
250051004	2011	9	22	14	V	7.0	0.8	3.15	157
250051004	2011	9	22	15	V	4.0	0.6	3.49	162
250051004	2011	9	22	16	V	3.7	0.6	4.26	157
250051004	2011	9	22	17	V	3.0	0.5	3.8	156
250051004	2011	9	22	18	V	2.7	0.6	3.15	166
250051004	2011	9	22	19	V	2.9	0.3	2.11	189
250051004	2011	9	22	20	V	2.7	0.2	1.64	182
250051004	2011	9	22	21	V	2.7	0.3	1.93	187
250051004	2011	9	22	22	V	2.6	0.3	1.89	212
250051004	2011	9	22	23	V	2.6	0.4	2.88	196
250051004	2011	9	22	24	V	7.9	0.4	2.03	216
250051004	2011	9	23	1	V	9.4	0.5	1.82	189
250051004	2011	9	23	2	V	7.1	0.4	2.06	168
250051004	2011	9	23	3	V	9.1	0.5	1.98	192
250051004	2011	9	23	4	V	12.2	0.8	1.65	204
250051004	2011	9	23	5	V	10.4	1	1.6	213
250051004	2011	9	23	6	V	11.0	0.5	1.09	248
250051004	2011	9	23	7	V	11.3	0.4	0.75	257
250051004	2011	9	23	8	V	8.3	0.5	0.79	111
250051004	2011	9	23	9	V	8.2	0.6	1.86	113
250051004	2011	9	23	10	V	9.4	0.8	2.04	113
250051004	2011	9	23	11	V	7.5	0.6	2.78	119
250051004	2011	9	23	12	V	8.9	0.5	3.15	156
250051004	2011	9	23	13	V	7.5	0.5	2.67	160
250051004	2011	9	23	14	V	7.0	0.6	2.96	154
250051004	2011	9	23	15	V	4.0	0.5	2.93	134
250051004	2011	9	23	16	V	3.7	0.5	2.93	124
250051004	2011	9	23	17	V	3.0	0.3	2.93	128
250051004	2011	9	23	18	V	2.7	0.4	2.55	140
250051004	2011	9	23	19	V	2.9	0.5	1.76	123
250051004	2011	9	23	20	V	2.7	0.5	2.54	161
250051004	2011	9	23	21	V	2.7	0.6	3.39	167
250051004	2011	9	23	22	V	2.6	-999	2.84	158
250051004	2011	9	23	23	V	2.6	0.3	3.18	146
250051004	2011	9	23	24	V	7.9	0.6	3.97	153
250051004	2011	9	24	1	V	9.4	0.3	4.36	166
250051004	2011	9	24	2	V	7.1	0.5	3.61	159
250051004	2011	9	24	3	V	9.1	0.6	4.1	172
250051004	2011	9	24	4	V	12.2	0.6	3.83	204
250051004	2011	9	24	5	V	10.4	0.5	2.4	199
250051004	2011	9	24	6	V	11.0	0.5	2.61	172
250051004	2011	9	24	7	V	11.3	0.7	3.05	171
250051004	2011	9	24	8	V	8.3	0.5	2.83	193
250051004	2011	9	24	9	V	8.2	0.5	2.54	191
250051004	2011	9	24	10	V	9.4	0.6	3.59	187

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	24	11	V	7.5	0.5	4.12	217
250051004	2011	9	24	12	V	8.9	0.5	4.42	223
250051004	2011	9	24	13	V	7.6	0.8	4.02	242
250051004	2011	9	24	14	V	7.1	0.8	3.34	240
250051004	2011	9	24	15	V	4.2	1.1	2.38	225
250051004	2011	9	24	16	V	3.7	0.9	3.42	156
250051004	2011	9	24	17	V	3.1	0.6	3.42	153
250051004	2011	9	24	18	V	2.7	0.6	2.91	163
250051004	2011	9	24	19	V	2.9	0.7	2.08	186
250051004	2011	9	24	20	V	2.7	0.6	2.61	175
250051004	2011	9	24	21	V	2.7	0.7	2.5	218
250051004	2011	9	24	22	V	2.6	0.7	2.44	251
250051004	2011	9	24	23	V	2.6	0.6	1.57	186
250051004	2011	9	24	24	V	7.9	0.6	1.21	318
250051004	2011	9	25	1	V	9.4	0.6	1.86	199
250051004	2011	9	25	2	V	7.1	0.6	1.47	199
250051004	2011	9	25	3	V	9.1	0.5	1.4	158
250051004	2011	9	25	4	V	12.2	0.7	1.01	174
250051004	2011	9	25	5	V	10.4	0.6	1.35	266
250051004	2011	9	25	6	V	11.0	0.7	1.25	265
250051004	2011	9	25	7	V	11.3	0.8	1.23	252
250051004	2011	9	25	8	V	8.4	0.8	1.5	313
250051004	2011	9	25	9	V	8.2	0.8	1.5	2
250051004	2011	9	25	10	V	9.5	1	2.03	19
250051004	2011	9	25	11	V	7.7	1.1	2.04	37
250051004	2011	9	25	12	V	9.2	2.8	2.18	33
250051004	2011	9	25	13	V	9.0	1	1.37	49
250051004	2011	9	25	14	V	7.4	1	1.91	85
250051004	2011	9	25	15	V	4.1	1.2	2.54	158
250051004	2011	9	25	16	V	3.8	1.3	2.49	171
250051004	2011	9	25	17	V	3.1	2.6	1.77	181
250051004	2011	9	25	18	V	2.7	1	2.47	156
250051004	2011	9	25	19	V	2.9	0.9	2.16	159
250051004	2011	9	25	20	V	2.7	1.4	0.94	150
250051004	2011	9	25	21	V	2.7	1.2	0.89	217
250051004	2011	9	25	22	V	2.6	1	1.67	160
250051004	2011	9	25	23	V	2.6	1	1.21	188
250051004	2011	9	25	24	V	7.9	1	1.01	192
250051004	2011	9	26	1	V	9.4	0.9	1.06	209
250051004	2011	9	26	2	V	7.1	0.9	0.82	309
250051004	2011	9	26	3	V	9.1	0.8	1.42	8
250051004	2011	9	26	4	V	12.2	-999	0.87	34
250051004	2011	9	26	5	V	10.4	0.5	1.14	232
250051004	2011	9	26	6	V	11.0	1.1	1.33	313
250051004	2011	9	26	7	V	11.3	1	1.11	227
250051004	2011	9	26	8	V	8.3	1.3	1.47	233

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	26	9	V	8.3	1.2	1.23	116
250051004	2011	9	26	10	V	12.0	2.3	1.2	114
250051004	2011	9	26	11	V	8.4	3	1.72	120
250051004	2011	9	26	12	V	9.3	4.7	1.86	140
250051004	2011	9	26	13	V	7.9	3.1	1.82	103
250051004	2011	9	26	14	V	7.1	25.6	2.73	159
250051004	2011	9	26	15	V	4.1	7.3	3.29	149
250051004	2011	9	26	16	V	3.8	5.4	3.78	177
250051004	2011	9	26	17	V	3.1	2.9	3.68	179
250051004	2011	9	26	18	V	2.7	1.1	3.08	195
250051004	2011	9	26	19	V	2.9	1.1	1.98	200
250051004	2011	9	26	20	V	2.7	1	1.08	157
250051004	2011	9	26	21	V	2.7	1	1.18	171
250051004	2011	9	26	22	V	2.6	-999	2.27	177
250051004	2011	9	26	23	V	2.6	0.6	1.57	160
250051004	2011	9	26	24	V	7.9	0.8	1.99	176
250051004	2011	9	27	1	V	9.4	0.7	1.43	166
250051004	2011	9	27	2	V	7.1	0.8	0.74	199
250051004	2011	9	27	3	V	9.1	0.7	1.7	211
250051004	2011	9	27	4	V	12.2	0.7	1.38	189
250051004	2011	9	27	5	V	10.4	0.8	1.11	262
250051004	2011	9	27	6	C	-999	0.8	0	0
250051004	2011	9	27	7	V	11.3	8.8	1.55	346
250051004	2011	9	27	8	V	8.5	2.8	1.64	341
250051004	2011	9	27	9	V	8.2	3.3	1.89	8
250051004	2011	9	27	10	V	9.4	2.3	1.93	53
250051004	2011	9	27	11	V	9.2	1.9	1.43	82
250051004	2011	9	27	12	V	9.4	3.1	2.18	114
250051004	2011	9	27	13	V	7.8	4.4	2.74	145
250051004	2011	9	27	14	V	7.2	1.8	3.29	149
250051004	2011	9	27	15	V	4.1	1.1	4.44	162
250051004	2011	9	27	16	V	3.7	1	5.02	157
250051004	2011	9	27	17	V	3.1	1	4.56	169
250051004	2011	9	27	18	V	2.7	0.8	3.68	163
250051004	2011	9	27	19	V	2.9	0.9	2.89	160
250051004	2011	9	27	20	V	2.7	0.7	2.49	138
250051004	2011	9	27	21	V	2.7	0.7	1.65	117
250051004	2011	9	27	22	V	2.6	0.8	0.82	136
250051004	2011	9	27	23	V	2.6	0.7	1.35	83
250051004	2011	9	27	24	V	7.9	0.9	2.25	45
250051004	2011	9	28	1	V	9.4	0.8	2.47	35
250051004	2011	9	28	2	V	7.1	1	2.57	36
250051004	2011	9	28	3	V	9.1	0.7	2.76	60
250051004	2011	9	28	4	V	12.2	0.8	2.81	70
250051004	2011	9	28	5	V	10.4	0.9	2.11	43
250051004	2011	9	28	6	V	11.0	0.8	2.64	53

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	28	7	V	11.3	0.8	2.04	40
250051004	2011	9	28	8	V	8.5	0.8	1.81	53
250051004	2011	9	28	9	V	8.3	0.9	2.93	84
250051004	2011	9	28	10	V	9.5	0.8	4.17	107
250051004	2011	9	28	11	V	7.5	0.8	4.65	94
250051004	2011	9	28	12	V	9.0	0.9	4.92	105
250051004	2011	9	28	13	V	7.5	0.9	5.62	102
250051004	2011	9	28	14	V	7.0	0.8	5.62	121
250051004	2011	9	28	15	V	4.0	0.9	5.84	121
250051004	2011	9	28	16	V	3.7	1	5.89	107
250051004	2011	9	28	17	V	3.0	0.9	5.24	102
250051004	2011	9	28	18	V	2.7	0.9	5.19	104
250051004	2011	9	28	19	V	2.9	0.9	5.43	82
250051004	2011	9	28	20	V	2.7	0.9	4.41	81
250051004	2011	9	28	21	V	2.7	0.9	3.75	77
250051004	2011	9	28	22	V	2.6	0.8	2.27	62
250051004	2011	9	28	23	V	2.6	0.8	2.16	40
250051004	2011	9	28	24	V	7.9	0.9	2.18	347
250051004	2011	9	29	1	V	9.4	0.9	2.96	86
250051004	2011	9	29	2	V	7.1	1	1.82	103
250051004	2011	9	29	3	V	9.1	0.8	3.42	132
250051004	2011	9	29	4	V	12.2	0.9	2.95	149
250051004	2011	9	29	5	V	10.4	1	2.52	114
250051004	2011	9	29	6	V	11.0	1.1	2.57	109
250051004	2011	9	29	7	V	11.3	1.1	3.41	125
250051004	2011	9	29	8	V	8.3	0.9	2.93	164
250051004	2011	9	29	9	V	8.2	2.4	2.96	190
250051004	2011	9	29	10	V	9.4	3.9	2.56	170
250051004	2011	9	29	11	V	7.5	5	2.69	156
250051004	2011	9	29	12	V	8.9	4	3.25	154
250051004	2011	9	29	13	V	7.5	3.6	5.17	173
250051004	2011	9	29	14	V	7.0	4.7	6.01	200
250051004	2011	9	29	15	V	4.0	1.5	6.01	186
250051004	2011	9	29	16	V	3.7	1.4	4.88	183
250051004	2011	9	29	17	V	3.0	1.4	5.09	191
250051004	2011	9	29	18	V	2.7	1.3	3.68	208
250051004	2011	9	29	19	V	2.9	1.5	4.88	212
250051004	2011	9	29	20	V	2.7	1.4	3.86	206
250051004	2011	9	29	21	V	2.7	1.3	4.05	223
250051004	2011	9	29	22	V	2.6	-999	4.37	239
250051004	2011	9	29	23	V	2.6	1.2	4.2	221
250051004	2011	9	29	24	V	7.9	1.5	3.88	224
250051004	2011	9	30	1	V	9.4	1.4	4.08	209
250051004	2011	9	30	2	V	7.1	1.2	3.83	220
250051004	2011	9	30	3	V	9.1	1.9	3.83	213
250051004	2011	9	30	4	V	12.2	2.5	3.34	210

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	9	30	5	V	10.4	2.3	3.34	213
250051004	2011	9	30	6	V	11.0	4.8	3.37	213
250051004	2011	9	30	7	V	11.3	4.9	3.39	212
250051004	2011	9	30	8	V	8.3	3.6	3.22	215
250051004	2011	9	30	9	V	8.2	5.3	4.32	200
250051004	2011	9	30	10	V	9.4	5.8	5.73	197
250051004	2011	9	30	11	V	7.5	5	6.04	192
250051004	2011	9	30	12	V	8.9	5.1	6.29	191
250051004	2011	9	30	13	V	7.5	5.2	7.62	193
250051004	2011	9	30	14	V	7.0	2.4	7.6	188
250051004	2011	9	30	15	V	4.0	1.8	6.11	178
250051004	2011	9	30	16	V	3.7	1.6	5.55	180
250051004	2011	9	30	17	V	3.0	1.6	3.85	176
250051004	2011	9	30	18	V	2.7	1.6	3.69	167
250051004	2011	9	30	19	V	2.9	1.6	3.39	158
250051004	2011	9	30	20	V	2.7	1.4	3.52	168
250051004	2011	9	30	21	V	2.7	1.3	3.24	181
250051004	2011	9	30	22	V	2.6	1.4	2.89	188
250051004	2011	9	30	23	V	2.6	1.4	1.53	241
250051004	2011	9	30	24	V	7.9	1.6	1.4	63
250051004	2011	10	1	1	V	9.4	1.5	2.42	271
250051004	2011	10	1	2	V	7.1	1.4	1.76	19
250051004	2011	10	1	3	V	9.1	1.4	2.27	319
250051004	2011	10	1	4	V	12.2	1.5	3.13	8
250051004	2011	10	1	5	V	10.4	1.5	2.84	17
250051004	2011	10	1	6	V	11.0	1.4	3.4	43
250051004	2011	10	1	7	V	11.3	1.5	4.09	35
250051004	2011	10	1	8	V	8.3	1.4	2.67	12
250051004	2011	10	1	9	V	8.4	1.5	2.5	24
250051004	2011	10	1	10	V	9.5	1.5	3.32	40
250051004	2011	10	1	11	V	7.7	1.4	2.2	51
250051004	2011	10	1	12	V	11.1	1.5	0.99	74
250051004	2011	10	1	13	V	9.4	1.5	1.3	161
250051004	2011	10	1	14	V	7.7	1.5	1.59	193
250051004	2011	10	1	15	V	4.8	1.5	1.42	119
250051004	2011	10	1	16	V	3.7	1.5	3.29	139
250051004	2011	10	1	17	V	3.0	1.4	2.96	215
250051004	2011	10	1	18	V	2.7	1.5	2.62	306
250051004	2011	10	1	19	V	2.9	1.5	1.94	264
250051004	2011	10	1	20	V	2.7	1.3	3.3	287
250051004	2011	10	1	21	V	2.7	1	3.64	303
250051004	2011	10	1	22	V	2.6	1.4	3.73	333
250051004	2011	10	1	23	V	2.6	1.3	3.58	353
250051004	2011	10	1	24	V	7.9	1.2	3.32	353
250051004	2011	10	2	1	V	9.4	1.1	2.84	352
250051004	2011	10	2	2	V	7.1	1.2	3.03	353

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	2	3	V	9.1	1.1	3.69	357
250051004	2011	10	2	4	V	12.2	1.1	3.44	360
250051004	2011	10	2	5	V	10.4	1	3.01	3
250051004	2011	10	2	6	V	11.0	0.6	2.86	10
250051004	2011	10	2	7	V	11.3	1.1	2.44	27
250051004	2011	10	2	8	V	8.3	1	2.67	49
250051004	2011	10	2	9	V	8.2	1.2	2.59	79
250051004	2011	10	2	10	V	9.4	1.3	2.78	60
250051004	2011	10	2	11	V	7.5	1.3	4.66	53
250051004	2011	10	2	12	V	9.6	1.3	3.49	348
250051004	2011	10	2	13	V	8.7	1.3	3.1	307
250051004	2011	10	2	14	V	7.1	1.3	3.83	355
250051004	2011	10	2	15	V	4.1	1.3	3.44	40
250051004	2011	10	2	16	V	3.7	1.7	3.34	51
250051004	2011	10	2	17	V	3.0	1.4	2.08	72
250051004	2011	10	2	18	V	2.7	1.3	1.53	140
250051004	2011	10	2	19	V	2.9	1.4	2.2	232
250051004	2011	10	2	20	V	2.7	1.4	1.55	257
250051004	2011	10	2	21	V	2.7	1.1	1.84	207
250051004	2011	10	2	22	V	2.6	-999	1.55	219
250051004	2011	10	2	23	V	2.6	0.9	1.28	272
250051004	2011	10	2	24	V	7.9	1	0.79	335
250051004	2011	10	3	1	V	9.4	1.1	1.13	344
250051004	2011	10	3	2	V	7.1	1	1.43	292
250051004	2011	10	3	3	V	9.1	1	1.64	295
250051004	2011	10	3	4	V	12.2	1.3	1.18	264
250051004	2011	10	3	5	V	10.4	2.4	1.26	258
250051004	2011	10	3	6	V	11.0	0.9	1.14	240
250051004	2011	10	3	7	V	11.3	1.3	1.37	192
250051004	2011	10	3	8	V	8.3	3.7	1.77	217
250051004	2011	10	3	9	V	8.2	3.3	3.95	203
250051004	2011	10	3	10	V	9.4	6.1	4.2	194
250051004	2011	10	3	11	V	7.5	5.2	4.53	208
250051004	2011	10	3	12	V	8.9	2.6	4.34	193
250051004	2011	10	3	13	V	7.5	3.4	3.51	198
250051004	2011	10	3	14	V	7.0	1.3	3.2	173
250051004	2011	10	3	15	V	4.0	1.1	3.39	151
250051004	2011	10	3	16	V	3.7	0.9	3.35	173
250051004	2011	10	3	17	V	3.0	0.7	1.98	130
250051004	2011	10	3	18	V	2.7	1	1.82	123
250051004	2011	10	3	19	V	2.9	1	3	124
250051004	2011	10	3	20	V	2.7	0.9	1.84	117
250051004	2011	10	3	21	V	2.7	0.9	1.81	90
250051004	2011	10	3	22	V	2.6	0.9	1.69	9
250051004	2011	10	3	23	V	2.6	1	2.83	346
250051004	2011	10	3	24	V	7.9	0.9	3.17	326

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	4	1	V	9.4	0.9	3.03	321
250051004	2011	10	4	2	V	7.1	1.1	3.83	343
250051004	2011	10	4	3	V	9.1	1	3.54	339
250051004	2011	10	4	4	V	12.2	1.4	2.88	299
250051004	2011	10	4	5	V	10.4	1.3	3	295
250051004	2011	10	4	6	V	11.0	1.2	2.84	280
250051004	2011	10	4	7	V	11.3	-999	2.84	281
250051004	2011	10	4	8	V	8.4	-999	2.76	268
250051004	2011	10	4	9	V	11.7	-999	3.12	313
250051004	2011	10	4	10	V	10.6	1.3	3.71	310
250051004	2011	10	4	11	V	12.2	1.3	3.18	314
250051004	2011	10	4	12	V	22.4	1.2	3.54	330
250051004	2011	10	4	13	V	8.5	11	4.31	348
250051004	2011	10	4	14	V	7.1	2.8	4.51	18
250051004	2011	10	4	15	V	4.0	1.5	4.54	26
250051004	2011	10	4	16	V	3.7	1.6	6.21	360
250051004	2011	10	4	17	V	3.0	1.3	5.94	346
250051004	2011	10	4	18	V	2.7	1.3	5.41	358
250051004	2011	10	4	19	V	2.9	1.1	4.08	339
250051004	2011	10	4	20	V	2.8	6.5	3.83	324
250051004	2011	10	4	21	V	2.7	12	3.78	329
250051004	2011	10	4	22	V	2.6	5.4	3.81	330
250051004	2011	10	4	23	V	2.7	1.8	4.19	325
250051004	2011	10	4	24	V	7.9	2.9	4.8	326
250051004	2011	10	5	1	V	9.4	1.5	3.51	328
250051004	2011	10	5	2	V	7.1	2.5	2.81	319
250051004	2011	10	5	3	V	9.1	1.8	3.47	318
250051004	2011	10	5	4	V	12.2	1.5	3.68	307
250051004	2011	10	5	5	V	10.4	1.6	3.81	316
250051004	2011	10	5	6	V	11.0	1.6	3.32	303
250051004	2011	10	5	7	V	11.3	1.6	4.24	301
250051004	2011	10	5	8	V	8.3	1.6	5.51	307
250051004	2011	10	5	9	V	8.2	2.4	6.12	325
250051004	2011	10	5	10	V	9.4	2	6.28	319
250051004	2011	10	5	11	V	7.5	2.4	6.75	332
250051004	2011	10	5	12	V	8.9	2.2	6.87	325
250051004	2011	10	5	13	V	7.5	1.9	7.72	321
250051004	2011	10	5	14	V	7.0	2	7.4	333
250051004	2011	10	5	15	V	4.0	1.4	5.77	357
250051004	2011	10	5	16	V	3.7	1.3	8.1	330
250051004	2011	10	5	17	V	3.0	1.5	7.09	326
250051004	2011	10	5	18	V	2.7	1	6.28	336
250051004	2011	10	5	19	V	2.9	0.8	7.55	352
250051004	2011	10	5	20	V	2.7	0.7	7.47	352
250051004	2011	10	5	21	V	2.7	0.7	5.6	346
250051004	2011	10	5	22	V	2.6	-999	4.36	340

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	5	23	V	2.6	0.4	3.61	321
250051004	2011	10	5	24	V	7.9	0.7	2.86	304
250051004	2011	10	6	1	V	9.4	0.8	2.36	290
250051004	2011	10	6	2	V	7.1	0.9	1.76	251
250051004	2011	10	6	3	V	9.1	1	2.36	265
250051004	2011	10	6	4	V	12.2	2.7	3.36	281
250051004	2011	10	6	5	V	10.4	1.3	3.57	304
250051004	2011	10	6	6	V	11.0	1.1	3.88	304
250051004	2011	10	6	7	V	11.3	1.2	3.54	308
250051004	2011	10	6	8	V	17.7	22.9	4.76	327
250051004	2011	10	6	9	V	8.5	10.8	5.63	344
250051004	2011	10	6	10	V	9.4	24.9	6.79	349
250051004	2011	10	6	11	V	10.1	14.4	5.94	340
250051004	2011	10	6	12	V	10.2	4.7	6.33	343
250051004	2011	10	6	13	V	10.6	25.3	6.04	342
250051004	2011	10	6	14	V	28.4	27.1	5.48	333
250051004	2011	10	6	15	V	25.9	33.7	4.71	323
250051004	2011	10	6	16	V	14.8	21.1	4.99	317
250051004	2011	10	6	17	V	3.0	2.2	3.47	299
250051004	2011	10	6	18	V	2.7	1	2.01	292
250051004	2011	10	6	19	V	2.9	1.4	2.33	288
250051004	2011	10	6	20	V	2.7	2.1	2.06	276
250051004	2011	10	6	21	V	2.7	1.2	1.65	290
250051004	2011	10	6	22	V	2.6	1.1	2.78	354
250051004	2011	10	6	23	V	2.6	0.9	4.02	357
250051004	2011	10	6	24	V	7.9	0.9	4.54	2
250051004	2011	10	7	1	V	9.4	0.9	4.29	2
250051004	2011	10	7	2	V	7.1	1.1	3.35	352
250051004	2011	10	7	3	V	9.1	1	2.95	355
250051004	2011	10	7	4	V	12.2	1.5	1.59	335
250051004	2011	10	7	5	V	10.4	1	1.79	347
250051004	2011	10	7	6	V	11.0	1.1	1.76	313
250051004	2011	10	7	7	V	11.3	1.3	1.33	284
250051004	2011	10	7	8	V	8.3	1.2	1.38	337
250051004	2011	10	7	9	V	8.8	1.3	1.87	2
250051004	2011	10	7	10	V	10.2	1.6	1.52	16
250051004	2011	10	7	11	V	7.8	19.8	2.05	30
250051004	2011	10	7	12	V	9.3	41.8	1.81	28
250051004	2011	10	7	13	V	7.9	4.9	1.93	141
250051004	2011	10	7	14	V	7.1	1.7	2.93	161
250051004	2011	10	7	15	V	4.3	1.3	2.47	130
250051004	2011	10	7	16	V	3.8	1.1	3.27	159
250051004	2011	10	7	17	V	3.0	1.8	4.32	170
250051004	2011	10	7	18	V	2.7	1.4	3.56	189
250051004	2011	10	7	19	V	2.9	1.6	2.1	197
250051004	2011	10	7	20	V	2.7	1	1.96	197

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	7	21	V	2.7	0.9	1.35	212
250051004	2011	10	7	22	V	2.6	0.9	2.15	222
250051004	2011	10	7	23	V	2.6	0.9	2.16	207
250051004	2011	10	7	24	V	7.9	0.9	1.71	244
250051004	2011	10	8	1	V	9.4	0.9	2.72	258
250051004	2011	10	8	2	V	7.1	0.8	2.27	240
250051004	2011	10	8	3	V	9.1	0.8	3.12	255
250051004	2011	10	8	4	V	12.2	1.1	3.78	270
250051004	2011	10	8	5	V	10.4	1.3	4.02	267
250051004	2011	10	8	6	V	11.0	1.3	4	270
250051004	2011	10	8	7	V	11.3	1.5	3.24	270
250051004	2011	10	8	8	V	8.4	1.6	2.59	264
250051004	2011	10	8	9	V	8.3	1.6	2.79	258
250051004	2011	10	8	10	V	9.5	1.5	2.78	270
250051004	2011	10	8	11	V	7.7	1.4	2.4	284
250051004	2011	10	8	12	V	9.1	1.3	2.72	279
250051004	2011	10	8	13	V	7.6	1.3	2.93	291
250051004	2011	10	8	14	V	7.2	1.5	2.13	281
250051004	2011	10	8	15	V	4.1	1.2	2.54	276
250051004	2011	10	8	16	V	3.7	1.3	3.4	286
250051004	2011	10	8	17	V	3.0	1.3	2.4	253
250051004	2011	10	8	18	V	2.7	1.2	1.26	279
250051004	2011	10	8	19	V	2.9	1.5	1.16	247
250051004	2011	10	8	20	V	2.7	1.2	1.59	242
250051004	2011	10	8	21	V	2.7	1.1	2.49	262
250051004	2011	10	8	22	V	2.6	-999	2.88	262
250051004	2011	10	8	23	V	2.6	0.7	2.03	264
250051004	2011	10	8	24	V	7.9	0.9	2.73	266
250051004	2011	10	9	1	V	9.4	1	2.81	291
250051004	2011	10	9	2	V	7.1	1.5	3.07	294
250051004	2011	10	9	3	V	9.1	1.9	3.91	269
250051004	2011	10	9	4	V	12.2	1.3	2.67	265
250051004	2011	10	9	5	V	10.4	1.3	2.71	263
250051004	2011	10	9	6	V	11.0	1.1	1.25	262
250051004	2011	10	9	7	V	11.3	1.5	1.01	272
250051004	2011	10	9	8	V	8.3	1.2	1.38	267
250051004	2011	10	9	9	V	8.9	1.1	2.16	308
250051004	2011	10	9	10	V	12.0	1.1	3.97	316
250051004	2011	10	9	11	V	16.0	1.2	4.48	318
250051004	2011	10	9	12	V	9.0	1.3	4.42	302
250051004	2011	10	9	13	V	7.6	1.1	3.98	292
250051004	2011	10	9	14	V	7.2	1.1	4.17	301
250051004	2011	10	9	15	V	4.1	1	4.63	293
250051004	2011	10	9	16	V	4.1	1	3.97	304
250051004	2011	10	9	17	V	3.0	1.4	2.86	296
250051004	2011	10	9	18	V	2.7	1.3	2.33	271

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	9	19	V	2.9	1.4	2.95	270
250051004	2011	10	9	20	V	2.7	1.5	2.11	283
250051004	2011	10	9	21	V	2.7	1.6	2.4	264
250051004	2011	10	9	22	V	2.6	2.1	1.86	290
250051004	2011	10	9	23	V	2.6	2.2	1.4	258
250051004	2011	10	9	24	V	7.9	1.7	1.89	250
250051004	2011	10	10	1	V	9.4	1.8	1.4	250
250051004	2011	10	10	2	V	7.1	1.5	0.87	252
250051004	2011	10	10	3	V	9.1	1.8	1.48	304
250051004	2011	10	10	4	V	12.2	-999	1.6	305
250051004	2011	10	10	5	V	10.4	1.7	2.86	320
250051004	2011	10	10	6	V	11.0	6.7	2.61	316
250051004	2011	10	10	7	V	11.3	11.8	1.82	314
250051004	2011	10	10	8	V	8.3	8.1	1.47	293
250051004	2011	10	10	9	V	8.4	3.1	3.34	308
250051004	2011	10	10	10	V	15.1	2.2	4.27	315
250051004	2011	10	10	11	V	23.0	6.4	4.66	318
250051004	2011	10	10	12	V	38.6	3.9	4.54	326
250051004	2011	10	10	13	V	33.2	1.8	4.15	324
250051004	2011	10	10	14	V	19.0	1.8	4.09	315
250051004	2011	10	10	15	V	24.5	4.5	4.54	320
250051004	2011	10	10	16	V	5.3	2.8	3.98	308
250051004	2011	10	10	17	V	3.2	1.6	3.44	309
250051004	2011	10	10	18	V	2.7	1.8	1.76	278
250051004	2011	10	10	19	V	2.9	1.9	2.25	265
250051004	2011	10	10	20	V	2.7	2.3	1.98	283
250051004	2011	10	10	21	V	2.7	4.6	1.69	295
250051004	2011	10	10	22	V	2.6	1.6	2.1	344
250051004	2011	10	10	23	V	2.6	1.4	3.29	354
250051004	2011	10	10	24	V	7.9	1.2	3.44	1
250051004	2011	10	11	1	V	9.4	1.4	3.9	19
250051004	2011	10	11	2	V	7.1	1.1	3.64	38
250051004	2011	10	11	3	V	9.1	1	2.55	19
250051004	2011	10	11	4	V	12.2	1.5	2.33	14
250051004	2011	10	11	5	V	10.4	1.2	2.74	16
250051004	2011	10	11	6	V	11.0	1.3	3.2	13
250051004	2011	10	11	7	V	11.3	1.6	2.62	5
250051004	2011	10	11	8	V	8.6	1.6	2.5	352
250051004	2011	10	11	9	V	8.3	1.7	3.95	21
250051004	2011	10	11	10	V	9.5	1.2	3.76	39
250051004	2011	10	11	11	V	7.8	1.1	2.62	43
250051004	2011	10	11	12	V	9.2	1	2.79	46
250051004	2011	10	11	13	V	7.8	1	2.76	57
250051004	2011	10	11	14	V	7.3	0.8	2.49	74
250051004	2011	10	11	15	V	4.1	0.9	2.47	84
250051004	2011	10	11	16	V	3.8	0.9	2.62	86

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	11	17	V	3.0	1	3.85	86
250051004	2011	10	11	18	V	2.7	1.2	3.64	70
250051004	2011	10	11	19	V	2.9	0.9	3.66	56
250051004	2011	10	11	20	V	2.7	0.7	2.83	70
250051004	2011	10	11	21	V	2.7	0.7	2.45	60
250051004	2011	10	11	22	V	2.6	-999	2.23	38
250051004	2011	10	11	23	V	2.6	0.5	2.64	30
250051004	2011	10	11	24	V	7.9	0.8	2.4	36
250051004	2011	10	12	1	V	9.4	0.8	2.38	34
250051004	2011	10	12	2	V	7.1	0.7	3.06	42
250051004	2011	10	12	3	V	9.1	0.8	3.08	40
250051004	2011	10	12	4	V	12.2	0.8	2.61	39
250051004	2011	10	12	5	V	10.4	0.8	2.9	52
250051004	2011	10	12	6	V	11.0	0.8	3.17	43
250051004	2011	10	12	7	V	11.3	-999	3.12	30
250051004	2011	10	12	8	V	8.4	-999	4.49	47
250051004	2011	10	12	9	V	8.2	-999	4.6	61
250051004	2011	10	12	10	V	9.5	-999	5.45	55
250051004	2011	10	12	11	V	7.5	1.2	4.87	48
250051004	2011	10	12	12	V	8.9	1	4.82	50
250051004	2011	10	12	13	V	7.5	1.1	5.16	55
250051004	2011	10	12	14	V	7.0	1	5.31	61
250051004	2011	10	12	15	V	4.0	0.9	5.33	54
250051004	2011	10	12	16	V	3.7	1.2	5.44	58
250051004	2011	10	12	17	V	3.0	1	5.16	57
250051004	2011	10	12	18	V	2.7	1.1	4.78	45
250051004	2011	10	12	19	V	2.9	0.9	3.8	34
250051004	2011	10	12	20	V	2.7	1	4.09	24
250051004	2011	10	12	21	V	2.7	0.8	4.46	33
250051004	2011	10	12	22	V	2.6	0.8	4.51	46
250051004	2011	10	12	23	V	2.6	0.8	4.2	50
250051004	2011	10	12	24	V	7.9	0.8	4.46	47
250051004	2011	10	13	1	V	9.4	0.9	4.53	45
250051004	2011	10	13	2	V	7.1	1	4.68	46
250051004	2011	10	13	3	V	9.1	0.9	5.09	49
250051004	2011	10	13	4	V	12.2	1	4.9	47
250051004	2011	10	13	5	V	10.4	1.2	4.87	41
250051004	2011	10	13	6	V	11.0	1.1	3.69	10
250051004	2011	10	13	7	V	11.3	1	6.01	13
250051004	2011	10	13	8	V	8.3	1.1	4.95	359
250051004	2011	10	13	9	V	8.2	1.3	4.85	16
250051004	2011	10	13	10	V	9.4	1.2	4.75	14
250051004	2011	10	13	11	V	7.5	1.4	4.95	11
250051004	2011	10	13	12	V	8.9	1.2	5.02	9
250051004	2011	10	13	13	V	7.5	1.4	5.11	5
250051004	2011	10	13	14	V	7.0	1.4	4.82	6

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	13	15	V	4.0	1.4	5.09	1
250051004	2011	10	13	16	V	3.7	1.2	3.81	358
250051004	2011	10	13	17	V	3.0	1.3	3.27	3
250051004	2011	10	13	18	V	2.7	1.3	2.27	4
250051004	2011	10	13	19	V	2.9	1	2.61	10
250051004	2011	10	13	20	V	2.7	1.2	2.44	23
250051004	2011	10	13	21	V	2.7	1.1	2.83	21
250051004	2011	10	13	22	V	2.6	1.4	2.54	33
250051004	2011	10	13	23	V	2.6	1.4	2.73	40
250051004	2011	10	13	24	V	7.9	1.3	2.62	55
250051004	2011	10	14	1	V	9.4	1.3	2.79	50
250051004	2011	10	14	2	V	7.1	1.3	2.83	46
250051004	2011	10	14	3	V	9.1	1.4	2.86	42
250051004	2011	10	14	4	V	12.2	1.3	2.03	67
250051004	2011	10	14	5	V	10.4	1.3	2.42	48
250051004	2011	10	14	6	V	11.0	1.3	2.23	16
250051004	2011	10	14	7	V	11.3	1.5	2.2	30
250051004	2011	10	14	8	V	8.3	1.4	2.01	60
250051004	2011	10	14	9	V	8.2	1.6	2.47	56
250051004	2011	10	14	10	V	9.4	1.4	3.74	129
250051004	2011	10	14	11	V	7.5	1.7	4.2	135
250051004	2011	10	14	12	V	8.9	1.7	5.34	141
250051004	2011	10	14	13	V	7.5	1.6	6.26	156
250051004	2011	10	14	14	V	7.0	1.8	6.26	162
250051004	2011	10	14	15	V	4.0	1.7	5.12	166
250051004	2011	10	14	16	V	3.7	1.9	4.37	165
250051004	2011	10	14	17	V	3.0	1.8	4.17	160
250051004	2011	10	14	18	V	2.7	1.8	3.2	181
250051004	2011	10	14	19	V	2.9	1.9	5.6	216
250051004	2011	10	14	20	V	2.7	1.9	3.56	205
250051004	2011	10	14	21	V	2.7	2	4	200
250051004	2011	10	14	22	V	2.6	-999	5.27	213
250051004	2011	10	14	23	V	2.6	1.8	5.97	227
250051004	2011	10	14	24	V	7.9	1.5	6.4	229
250051004	2011	10	15	1	V	9.4	1.6	7.43	232
250051004	2011	10	15	2	V	7.1	1.8	6.81	231
250051004	2011	10	15	3	V	9.1	1.8	7.09	233
250051004	2011	10	15	4	V	12.2	1.9	6.07	231
250051004	2011	10	15	5	V	10.4	2.2	5.22	227
250051004	2011	10	15	6	V	11.0	2.1	5.07	222
250051004	2011	10	15	7	V	11.3	2.8	5.09	223
250051004	2011	10	15	8	V	8.3	2.5	5.82	228
250051004	2011	10	15	9	V	8.2	3	6.48	220
250051004	2011	10	15	10	V	9.4	3.5	8.79	219
250051004	2011	10	15	11	V	7.5	2.8	8.67	223
250051004	2011	10	15	12	V	8.9	3.2	7.11	238

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	15	13	V	7.5	2.7	8.88	230
250051004	2011	10	15	14	V	7.0	2	9.51	228
250051004	2011	10	15	15	V	4.0	1.7	8.05	227
250051004	2011	10	15	16	V	3.7	2	7.81	223
250051004	2011	10	15	17	V	3.0	1.8	6.06	224
250051004	2011	10	15	18	V	2.7	1.8	6.96	233
250051004	2011	10	15	19	V	2.9	1.5	3.32	235
250051004	2011	10	15	20	V	2.7	1.6	2.81	211
250051004	2011	10	15	21	V	2.7	1.8	4.17	230
250051004	2011	10	15	22	V	2.6	1.9	6.06	235
250051004	2011	10	15	23	V	2.6	1.8	7.59	248
250051004	2011	10	15	24	V	7.9	1.6	6.77	238
250051004	2011	10	16	1	V	9.4	2	5.36	231
250051004	2011	10	16	2	V	7.1	1.9	5.22	230
250051004	2011	10	16	3	V	9.1	2	5.48	240
250051004	2011	10	16	4	V	12.2	1.8	4.77	237
250051004	2011	10	16	5	V	10.4	1.9	3.47	221
250051004	2011	10	16	6	V	11.0	1.9	4.8	234
250051004	2011	10	16	7	V	11.3	2	4.29	241
250051004	2011	10	16	8	V	8.3	1.8	5.04	238
250051004	2011	10	16	9	V	8.2	2	6.06	242
250051004	2011	10	16	10	V	9.4	2.1	7.93	251
250051004	2011	10	16	11	V	7.5	1.8	7.77	247
250051004	2011	10	16	12	V	8.9	1.7	7.43	259
250051004	2011	10	16	13	V	7.5	1.7	7.06	255
250051004	2011	10	16	14	V	7.0	1.8	7.13	248
250051004	2011	10	16	15	V	4.0	1.9	7.31	247
250051004	2011	10	16	16	V	3.7	2.1	6.99	229
250051004	2011	10	16	17	V	3.0	2.2	5	222
250051004	2011	10	16	18	V	2.7	1.9	4.2	208
250051004	2011	10	16	19	V	2.9	1.8	4.12	195
250051004	2011	10	16	20	V	2.7	2	4.12	197
250051004	2011	10	16	21	V	2.7	1.9	5.19	195
250051004	2011	10	16	22	V	2.6	2	6.98	213
250051004	2011	10	16	23	V	2.6	1.7	6.69	218
250051004	2011	10	16	24	V	7.9	1.5	8.01	212
250051004	2011	10	17	1	V	9.4	1.9	7.69	214
250051004	2011	10	17	2	V	7.1	1.7	5.19	217
250051004	2011	10	17	3	V	9.1	1.8	3.71	216
250051004	2011	10	17	4	V	12.2	2.2	5.92	234
250051004	2011	10	17	5	V	10.4	2.1	5.05	237
250051004	2011	10	17	6	V	11.0	2.1	4.92	241
250051004	2011	10	17	7	V	11.3	2	4.2	270
250051004	2011	10	17	8	V	8.3	2.2	3.51	286
250051004	2011	10	17	9	V	8.2	1.9	4.71	271
250051004	2011	10	17	10	V	9.5	1.8	5.41	277

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	17	11	V	7.5	1.7	7.74	274
250051004	2011	10	17	12	V	8.9	1.8	7.31	274
250051004	2011	10	17	13	V	7.5	1.7	7.15	268
250051004	2011	10	17	14	V	7.0	1.8	6.7	258
250051004	2011	10	17	15	V	4.0	1.7	6.55	255
250051004	2011	10	17	16	V	3.7	1.8	5.8	224
250051004	2011	10	17	17	V	3.0	1.8	5.68	215
250051004	2011	10	17	18	V	2.7	1.8	4.48	223
250051004	2011	10	17	19	V	2.9	1.9	3.34	198
250051004	2011	10	17	20	V	2.7	1.8	3.76	210
250051004	2011	10	17	21	V	2.7	1.7	4.1	207
250051004	2011	10	17	22	V	2.6	-999	3.66	204
250051004	2011	10	17	23	V	2.6	1.7	4.03	209
250051004	2011	10	17	24	V	7.9	2	2.93	210
250051004	2011	10	18	1	V	9.4	2	2.28	230
250051004	2011	10	18	2	V	7.1	2	2.33	216
250051004	2011	10	18	3	V	9.1	2.1	1.55	187
250051004	2011	10	18	4	V	12.2	3.7	0.77	204
250051004	2011	10	18	5	V	10.4	3.6	0.84	198
250051004	2011	10	18	6	V	11.0	4	1.67	227
250051004	2011	10	18	7	V	11.3	4.2	1.98	235
250051004	2011	10	18	8	V	8.3	3.1	3.35	260
250051004	2011	10	18	9	V	8.5	3.2	1.82	241
250051004	2011	10	18	10	V	9.7	5.5	2.2	236
250051004	2011	10	18	11	V	7.7	3.4	2.3	232
250051004	2011	10	18	12	V	9.0	2.9	3.9	225
250051004	2011	10	18	13	V	7.7	3.2	3.63	233
250051004	2011	10	18	14	V	7.2	5.5	3.73	236
250051004	2011	10	18	15	V	4.2	2.4	3.27	242
250051004	2011	10	18	16	V	3.7	2	4.12	194
250051004	2011	10	18	17	V	3.0	2.2	3.88	201
250051004	2011	10	18	18	V	2.7	2.3	3.48	216
250051004	2011	10	18	19	V	2.9	2.1	1.74	207
250051004	2011	10	18	20	V	2.7	1.8	1.08	190
250051004	2011	10	18	21	V	2.7	1.7	1.21	224
250051004	2011	10	18	22	V	2.6	1.8	0.77	267
250051004	2011	10	18	23	V	2.6	1.7	0.89	274
250051004	2011	10	18	24	V	7.9	1.6	1.18	319
250051004	2011	10	19	1	V	9.4	1.6	1.48	3
250051004	2011	10	19	2	V	7.1	1.8	2.18	4
250051004	2011	10	19	3	V	9.1	2	2.28	356
250051004	2011	10	19	4	V	12.2	2.3	2.23	11
250051004	2011	10	19	5	V	10.4	2.2	2.52	11
250051004	2011	10	19	6	V	11.0	1.7	3.29	23
250051004	2011	10	19	7	V	11.3	1.8	3.44	23
250051004	2011	10	19	8	V	8.3	1.8	3.76	27

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	19	9	V	8.2	1.6	4.46	21
250051004	2011	10	19	10	V	9.4	1.6	5.44	50
250051004	2011	10	19	11	V	7.5	1.5	5.9	44
250051004	2011	10	19	12	V	8.9	1.5	5.9	55
250051004	2011	10	19	13	V	7.5	1.6	6.48	38
250051004	2011	10	19	14	V	7.0	1.5	8.03	39
250051004	2011	10	19	15	V	4.0	1.7	7.74	32
250051004	2011	10	19	16	V	3.7	1.5	6.64	27
250051004	2011	10	19	17	V	3.0	1.1	7.42	33
250051004	2011	10	19	18	V	2.7	1.7	6.75	29
250051004	2011	10	19	19	V	2.9	1.8	6.26	19
250051004	2011	10	19	20	V	2.7	1.7	6.13	13
250051004	2011	10	19	21	V	2.7	1.6	4.95	10
250051004	2011	10	19	22	V	2.6	1.6	6.21	13
250051004	2011	10	19	23	V	2.6	1.6	4.99	21
250051004	2011	10	19	24	V	7.9	1.8	5.16	24
250051004	2011	10	20	1	V	9.4	1.9	5.33	358
250051004	2011	10	20	2	V	7.1	1.9	5.09	5
250051004	2011	10	20	3	V	9.1	2.2	4.08	5
250051004	2011	10	20	4	V	12.2	2.6	3.05	6
250051004	2011	10	20	5	V	10.4	2.3	2.69	15
250051004	2011	10	20	6	V	11.0	2	3.61	31
250051004	2011	10	20	7	V	11.3	2.2	3.23	16
250051004	2011	10	20	8	V	8.3	2.1	2.35	359
250051004	2011	10	20	9	V	8.2	3.2	1.62	29
250051004	2011	10	20	10	V	9.4	7.5	6.07	182
250051004	2011	10	20	11	V	7.5	4.6	10.7	198
250051004	2011	10	20	12	V	8.9	4.7	10.05	207
250051004	2011	10	20	13	V	7.5	3.9	9.61	211
250051004	2011	10	20	14	V	7.0	3.6	10.85	208
250051004	2011	10	20	15	V	4.0	2	10.85	203
250051004	2011	10	20	16	V	3.7	1.9	9.95	209
250051004	2011	10	20	17	V	3.0	1.9	8.73	205
250051004	2011	10	20	18	V	2.7	1.9	7.42	210
250051004	2011	10	20	19	V	2.9	1.9	7.96	208
250051004	2011	10	20	20	V	2.7	1.9	6.33	211
250051004	2011	10	20	21	V	2.7	1.9	6.48	213
250051004	2011	10	20	22	V	2.6	-999	6.06	217
250051004	2011	10	20	23	V	2.6	1.6	4	223
250051004	2011	10	20	24	V	7.9	1.9	3.8	219
250051004	2011	10	21	1	V	9.4	1.8	3.35	206
250051004	2011	10	21	2	V	7.1	1.8	3.03	207
250051004	2011	10	21	3	V	9.1	1.7	3.54	191
250051004	2011	10	21	4	V	12.2	3.1	2.84	191
250051004	2011	10	21	5	V	10.4	2.4	2.49	203
250051004	2011	10	21	6	V	11.0	2.2	2.91	206

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	21	7	V	11.3	2.4	3.8	218
250051004	2011	10	21	8	V	8.3	2	4.65	235
250051004	2011	10	21	9	V	8.2	2	5.14	237
250051004	2011	10	21	10	V	9.4	2	6.67	244
250051004	2011	10	21	11	V	7.5	2.1	5.92	250
250051004	2011	10	21	12	V	8.9	2.1	5.7	244
250051004	2011	10	21	13	V	7.5	2.9	5.38	252
250051004	2011	10	21	14	V	7.0	3.4	4.97	244
250051004	2011	10	21	15	V	4.0	2.6	5.77	245
250051004	2011	10	21	16	V	3.7	1.9	5.38	256
250051004	2011	10	21	17	V	3.0	1.9	3.69	247
250051004	2011	10	21	18	V	2.7	1.8	1.81	242
250051004	2011	10	21	19	V	2.9	1.9	1.53	224
250051004	2011	10	21	20	V	2.7	1.7	1.99	233
250051004	2011	10	21	21	V	2.7	1.7	2.28	254
250051004	2011	10	21	22	V	2.6	1.6	1.96	263
250051004	2011	10	21	23	V	2.6	1.6	1.81	225
250051004	2011	10	21	24	V	7.9	1.8	3.12	263
250051004	2011	10	22	1	V	9.4	1.6	3.66	266
250051004	2011	10	22	2	V	7.1	1.7	3.9	268
250051004	2011	10	22	3	V	9.1	1.8	4.09	269
250051004	2011	10	22	4	V	12.2	1.7	3.52	270
250051004	2011	10	22	5	V	10.4	1.7	3.32	271
250051004	2011	10	22	6	V	11.0	1.7	3.51	271
250051004	2011	10	22	7	V	11.3	1.6	2.06	275
250051004	2011	10	22	8	V	8.3	1.9	2.86	272
250051004	2011	10	22	9	V	8.2	1.9	2.37	276
250051004	2011	10	22	10	V	9.4	1.7	3.64	293
250051004	2011	10	22	11	V	7.5	1.7	3.4	273
250051004	2011	10	22	12	V	8.9	1.2	4.34	240
250051004	2011	10	22	13	V	7.5	1.5	3.74	269
250051004	2011	10	22	14	V	7.0	1.4	4.17	278
250051004	2011	10	22	15	V	4.0	1.5	4.34	283
250051004	2011	10	22	16	V	3.7	1.5	3.61	295
250051004	2011	10	22	17	V	3.0	1.8	3.18	305
250051004	2011	10	22	18	V	2.7	1.8	2.69	303
250051004	2011	10	22	19	V	2.9	1.6	2.01	293
250051004	2011	10	22	20	V	2.7	1.6	1.96	285
250051004	2011	10	22	21	V	2.7	1.5	1.71	275
250051004	2011	10	22	22	V	2.6	1.3	1.82	277
250051004	2011	10	22	23	V	2.6	1.3	2.2	266
250051004	2011	10	22	24	V	7.9	2.1	1.94	276
250051004	2011	10	23	1	V	9.4	4	1.31	234
250051004	2011	10	23	2	V	7.1	1.8	1.65	276
250051004	2011	10	23	3	V	9.1	1.5	1.25	275
250051004	2011	10	23	4	V	12.2	1.6	1.4	277

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	23	5	V	10.4	1.5	1.55	259
250051004	2011	10	23	6	V	11.0	1.5	1.76	268
250051004	2011	10	23	7	V	11.3	2	1.79	260
250051004	2011	10	23	8	V	8.3	2.5	1.71	310
250051004	2011	10	23	9	V	8.2	1.8	2.25	350
250051004	2011	10	23	10	V	9.4	1.7	2.01	5
250051004	2011	10	23	11	V	7.5	1.7	2.52	311
250051004	2011	10	23	12	V	8.9	1.5	2.69	291
250051004	2011	10	23	13	V	7.5	1.9	4.1	289
250051004	2011	10	23	14	V	7.0	1.7	4.07	294
250051004	2011	10	23	15	V	4.0	1.2	4.26	283
250051004	2011	10	23	16	V	3.7	1.2	3.85	278
250051004	2011	10	23	17	M	-999	1.6	999	999
250051004	2011	10	23	18	V	2.7	1.6	2.74	297
250051004	2011	10	23	19	V	2.9	1.6	2.13	283
250051004	2011	10	23	20	V	2.7	1.5	1.62	267
250051004	2011	10	23	21	V	2.7	0.9	1.37	270
250051004	2011	10	23	22	V	2.6	-999	1.13	260
250051004	2011	10	23	23	V	2.6	1.5	0.75	255
250051004	2011	10	23	24	V	7.9	1.7	1.5	285
250051004	2011	10	24	1	V	9.4	1.9	1.42	275
250051004	2011	10	24	2	V	7.1	1.5	1.26	263
250051004	2011	10	24	3	V	9.1	1.4	1.4	277
250051004	2011	10	24	4	V	12.2	-999	1.25	290
250051004	2011	10	24	5	V	10.4	1.4	1.18	276
250051004	2011	10	24	6	V	11.0	1.5	1.18	282
250051004	2011	10	24	7	V	11.3	2.3	0.96	284
250051004	2011	10	24	8	V	8.3	2.7	0.82	264
250051004	2011	10	24	9	V	9.2	2.3	0.52	199
250051004	2011	10	24	10	V	9.5	3.3	2.32	173
250051004	2011	10	24	11	V	7.5	6	3.71	168
250051004	2011	10	24	12	V	8.9	4.5	4.95	155
250051004	2011	10	24	13	V	7.5	5.2	5.14	160
250051004	2011	10	24	14	V	7.0	6	5.51	160
250051004	2011	10	24	15	V	4.0	2.9	5.1	156
250051004	2011	10	24	16	V	3.7	1.8	4.71	165
250051004	2011	10	24	17	V	3.0	1.4	3.49	173
250051004	2011	10	24	18	V	2.7	1.5	2.91	177
250051004	2011	10	24	19	V	2.9	1.5	2.81	206
250051004	2011	10	24	20	V	2.7	1.4	2.93	205
250051004	2011	10	24	21	V	2.7	1.4	2.81	218
250051004	2011	10	24	22	V	2.6	1.5	1.96	215
250051004	2011	10	24	23	V	2.6	1.6	0.77	227
250051004	2011	10	24	24	V	7.9	1.8	0.99	209
250051004	2011	10	25	1	V	9.4	1.6	1.82	275
250051004	2011	10	25	2	V	7.1	1.6	2.33	269

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	25	3	V	9.1	1.6	2.61	263
250051004	2011	10	25	4	V	12.2	1.8	2.67	261
250051004	2011	10	25	5	V	10.4	1.7	2.44	257
250051004	2011	10	25	6	V	11.0	1.8	2.91	270
250051004	2011	10	25	7	V	11.3	2.4	2.76	270
250051004	2011	10	25	8	V	8.3	2.5	3.13	265
250051004	2011	10	25	9	V	8.2	2.2	4.83	290
250051004	2011	10	25	10	V	9.4	2.1	7.71	306
250051004	2011	10	25	11	V	7.6	2.4	7.93	307
250051004	2011	10	25	12	V	9.0	1.8	7.57	305
250051004	2011	10	25	13	V	7.5	1.9	7.25	300
250051004	2011	10	25	14	V	7.0	1.6	7.84	299
250051004	2011	10	25	15	V	4.0	1.5	7.5	302
250051004	2011	10	25	16	V	3.7	1.5	7.23	300
250051004	2011	10	25	17	V	3.0	1.4	6.5	297
250051004	2011	10	25	18	V	2.7	1.3	4.2	296
250051004	2011	10	25	19	V	2.9	1.3	3.69	304
250051004	2011	10	25	20	V	2.7	1.4	4	286
250051004	2011	10	25	21	V	2.7	1.7	4	289
250051004	2011	10	25	22	V	2.6	2.1	2.54	272
250051004	2011	10	25	23	V	2.6	1.7	2.71	271
250051004	2011	10	25	24	V	7.9	1.5	3.03	266
250051004	2011	10	26	1	V	9.4	1.5	3.05	274
250051004	2011	10	26	2	V	7.1	2	2.49	272
250051004	2011	10	26	3	V	9.1	2.5	2.67	269
250051004	2011	10	26	4	V	12.2	2.4	2.61	277
250051004	2011	10	26	5	V	10.4	2.7	2.1	248
250051004	2011	10	26	6	V	11.0	2.1	2.76	265
250051004	2011	10	26	7	V	11.3	2	3.17	266
250051004	2011	10	26	8	V	8.3	1.8	2.2	279
250051004	2011	10	26	9	V	8.2	2.4	1.37	265
250051004	2011	10	26	10	V	9.4	2.9	1.33	198
250051004	2011	10	26	11	V	7.5	2.5	1.54	104
250051004	2011	10	26	12	V	8.9	2.1	1.59	109
250051004	2011	10	26	13	V	7.5	1.9	2.18	119
250051004	2011	10	26	14	V	7.0	1.8	2.16	90
250051004	2011	10	26	15	V	4.0	1.8	2.64	64
250051004	2011	10	26	16	V	3.7	2	3.17	38
250051004	2011	10	26	17	V	3.0	2	2.67	45
250051004	2011	10	26	18	V	2.7	2	2.08	61
250051004	2011	10	26	19	V	2.9	2	3.18	21
250051004	2011	10	26	20	V	2.7	2	2.27	34
250051004	2011	10	26	21	V	2.7	1.8	1.67	31
250051004	2011	10	26	22	V	2.6	-999	1.55	43
250051004	2011	10	26	23	V	2.6	1.9	1.81	30
250051004	2011	10	26	24	V	7.9	2	1.76	57

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	27	1	V	9.4	1.9	1.98	50
250051004	2011	10	27	2	V	7.1	2	2.25	37
250051004	2011	10	27	3	V	9.1	2.1	1.82	50
250051004	2011	10	27	4	V	12.2	2	2.62	28
250051004	2011	10	27	5	V	10.4	2	3.71	14
250051004	2011	10	27	6	V	11.0	2.4	5.1	8
250051004	2011	10	27	7	V	11.3	2.4	6.77	12
250051004	2011	10	27	8	V	8.3	2.2	5.58	18
250051004	2011	10	27	9	V	8.2	2	4.63	26
250051004	2011	10	27	10	V	9.4	1.9	4.17	5
250051004	2011	10	27	11	V	7.5	1.7	4.87	13
250051004	2011	10	27	12	V	8.9	2.1	5.87	35
250051004	2011	10	27	13	V	7.5	1.9	5.82	25
250051004	2011	10	27	14	V	7.0	1.5	6.38	17
250051004	2011	10	27	15	V	4.0	1.8	7.06	12
250051004	2011	10	27	16	V	3.7	1.9	6.47	12
250051004	2011	10	27	17	V	3.0	2	5.87	23
250051004	2011	10	27	18	V	2.7	2	7.91	10
250051004	2011	10	27	19	V	2.9	2	7.82	357
250051004	2011	10	27	20	V	2.7	1.7	6.67	355
250051004	2011	10	27	21	V	2.7	1.7	6.01	352
250051004	2011	10	27	22	V	2.6	1.7	6.69	346
250051004	2011	10	27	23	V	2.6	1.5	5.85	345
250051004	2011	10	27	24	V	7.9	1.5	6.23	347
250051004	2011	10	28	1	V	9.4	1.6	5.5	345
250051004	2011	10	28	2	V	7.1	1.5	3.46	335
250051004	2011	10	28	3	V	9.1	5.8	3.58	331
250051004	2011	10	28	4	V	12.2	24.2	3.32	320
250051004	2011	10	28	5	V	10.4	14	3.61	321
250051004	2011	10	28	6	V	11.0	6.2	3.51	315
250051004	2011	10	28	7	V	11.3	24.4	4.75	332
250051004	2011	10	28	8	V	12.6	32.2	4.48	333
250051004	2011	10	28	9	V	17.5	21.2	4.88	334
250051004	2011	10	28	10	V	9.7	1.9	6.31	345
250051004	2011	10	28	11	V	8.0	1.5	6.99	346
250051004	2011	10	28	12	V	10.3	1.7	5.82	345
250051004	2011	10	28	13	V	16.5	8.6	4.36	329
250051004	2011	10	28	14	V	13.4	3.9	5.09	327
250051004	2011	10	28	15	V	7.5	5.4	4.56	336
250051004	2011	10	28	16	V	8.9	6.8	4.26	330
250051004	2011	10	28	17	V	3.0	3.7	2.88	340
250051004	2011	10	28	18	V	2.7	1.7	2.49	340
250051004	2011	10	28	19	V	2.9	1.8	2.71	325
250051004	2011	10	28	20	V	2.7	1.7	3.13	348
250051004	2011	10	28	21	V	2.7	2.6	2.42	330
250051004	2011	10	28	22	V	2.6	2.8	1.91	310

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	28	23	V	2.6	2.9	1.88	306
250051004	2011	10	28	24	V	7.9	1.9	2.01	347
250051004	2011	10	29	1	V	9.4	1.7	0.77	6
250051004	2011	10	29	2	V	7.1	1.7	2.23	3
250051004	2011	10	29	3	V	9.1	1.7	2.96	359
250051004	2011	10	29	4	V	12.2	1.8	2.64	6
250051004	2011	10	29	5	V	10.4	1.7	3.17	3
250051004	2011	10	29	6	V	11.0	2.1	3.32	5
250051004	2011	10	29	7	V	11.3	2.4	3.98	19
250051004	2011	10	29	8	V	8.3	2.9	4.49	21
250051004	2011	10	29	9	V	8.2	3	4.7	21
250051004	2011	10	29	10	V	9.4	2.9	4.44	28
250051004	2011	10	29	11	V	7.5	2.8	5.39	28
250051004	2011	10	29	12	V	8.9	1.8	4.36	32
250051004	2011	10	29	13	V	7.5	1.5	6.75	61
250051004	2011	10	29	14	V	7.0	1.4	8.88	47
250051004	2011	10	29	15	V	4.0	1.6	8.98	41
250051004	2011	10	29	16	V	3.7	1.7	9.13	34
250051004	2011	10	29	17	V	3.0	1.7	9.46	33
250051004	2011	10	29	18	V	2.7	1.8	9.25	17
250051004	2011	10	29	19	V	2.9	1.9	9.79	14
250051004	2011	10	29	20	V	2.7	1.7	10.02	6
250051004	2011	10	29	21	V	2.7	1.9	9.46	5
250051004	2011	10	29	22	V	2.6	-999	9.81	1
250051004	2011	10	29	23	V	2.6	1.7	10.36	358
250051004	2011	10	29	24	V	7.9	1.8	10.27	346
250051004	2011	10	30	1	V	9.5	2	10.63	343
250051004	2011	10	30	2	V	7.1	1.8	8.57	341
250051004	2011	10	30	3	V	10.0	2.9	7.62	330
250051004	2011	10	30	4	V	14.3	14.4	7.64	325
250051004	2011	10	30	5	V	12.7	12.3	8.2	329
250051004	2011	10	30	6	V	11.7	12.3	7.21	324
250051004	2011	10	30	7	V	11.3	10.6	5.99	312
250051004	2011	10	30	8	V	8.3	3.9	6.99	308
250051004	2011	10	30	9	V	8.2	3.5	6.98	307
250051004	2011	10	30	10	V	9.8	11.7	6.94	312
250051004	2011	10	30	11	V	12.9	19.8	7.71	324
250051004	2011	10	30	12	V	14.7	19.2	6.98	325
250051004	2011	10	30	13	V	11.8	16.2	7.09	322
250051004	2011	10	30	14	V	11.1	8	7.79	322
250051004	2011	10	30	15	V	9.2	10.5	7.18	324
250051004	2011	10	30	16	V	7.2	11.3	6.19	324
250051004	2011	10	30	17	V	3.0	7.5	4.54	328
250051004	2011	10	30	18	V	2.7	5.2	2.08	297
250051004	2011	10	30	19	V	2.9	3.1	1.81	250
250051004	2011	10	30	20	V	2.7	2.5	2.25	259

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	10	30	21	V	2.7	2.5	2.33	263
250051004	2011	10	30	22	V	2.6	2	2.52	267
250051004	2011	10	30	23	V	2.6	1.9	2.08	275
250051004	2011	10	30	24	V	7.9	2.4	1.35	254
250051004	2011	10	31	1	V	9.4	2.6	1.93	252
250051004	2011	10	31	2	V	7.1	3.1	1.38	264
250051004	2011	10	31	3	V	9.1	3.6	1.25	284
250051004	2011	10	31	4	V	12.2	3.5	1.69	267
250051004	2011	10	31	5	V	10.4	2.5	0.96	312
250051004	2011	10	31	6	V	11.0	2.4	0.72	11
250051004	2011	10	31	7	V	11.3	3.4	0.87	243
250051004	2011	10	31	8	V	8.3	4.2	0.74	254
250051004	2011	10	31	9	V	8.2	5.7	0.72	176
250051004	2011	10	31	10	V	10.9	3.9	0.77	127
250051004	2011	10	31	11	V	7.5	1.9	2.37	150
250051004	2011	10	31	12	V	8.9	1.8	3.07	171
250051004	2011	10	31	13	V	7.5	1.7	3.29	168
250051004	2011	10	31	14	V	7.0	4.4	4.26	149
250051004	2011	10	31	15	V	4.0	1.6	4.46	158
250051004	2011	10	31	16	V	3.7	1.2	2.95	157
250051004	2011	10	31	17	V	3.0	1.2	2.52	168
250051004	2011	10	31	18	V	2.7	1.3	1.82	177
250051004	2011	10	31	19	V	2.9	1.9	0.84	92
250051004	2011	10	31	20	V	2.7	2	1.03	303
250051004	2011	10	31	21	V	2.7	2	0.79	328
250051004	2011	10	31	22	V	2.6	1.8	1.14	15
250051004	2011	10	31	23	V	2.6	1.8	1.4	353
250051004	2011	10	31	24	V	7.9	2	1.35	338
250051004	2011	11	1	1	V	9.4	1.8	1.91	342
250051004	2011	11	1	2	V	7.1	2	1.82	294
250051004	2011	11	1	3	V	9.1	1.6	1.35	332
250051004	2011	11	1	4	V	12.2	1.9	2.69	360
250051004	2011	11	1	5	V	10.4	1.8	2.72	5
250051004	2011	11	1	6	V	11.0	3.2	3.1	357
250051004	2011	11	1	7	V	11.3	3.3	2.84	7
250051004	2011	11	1	8	V	8.3	2.7	2.54	24
250051004	2011	11	1	9	V	8.2	3.3	3.56	14
250051004	2011	11	1	10	V	9.4	2.8	4.07	21
250051004	2011	11	1	11	V	7.5	-999	4.34	15
250051004	2011	11	1	12	V	8.9	-999	5.27	37
250051004	2011	11	1	13	V	7.5	1.7	6.3	55
250051004	2011	11	1	14	V	7.0	1.4	5.9	53
250051004	2011	11	1	15	V	4.0	1.3	6.02	38
250051004	2011	11	1	16	V	3.7	1.2	6.87	38
250051004	2011	11	1	17	V	3.0	0.7	5.58	30
250051004	2011	11	1	18	V	2.7	1	4.56	27

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	1	19	V	2.9	1.3	4.08	11
250051004	2011	11	1	20	V	2.7	1.6	3.44	4
250051004	2011	11	1	21	V	2.7	1.5	3.08	349
250051004	2011	11	1	22	V	2.6	-999	3.85	344
250051004	2011	11	1	23	V	2.6	1.1	4.2	344
250051004	2011	11	1	24	V	7.9	1.3	3.85	346
250051004	2011	11	2	1	V	9.4	1.5	3.9	343
250051004	2011	11	2	2	V	7.1	1.5	4.14	340
250051004	2011	11	2	3	V	9.1	1.5	4.05	341
250051004	2011	11	2	4	V	12.2	1.5	3.46	345
250051004	2011	11	2	5	V	10.4	1.5	2.2	339
250051004	2011	11	2	6	V	11.0	1.5	3.54	341
250051004	2011	11	2	7	V	11.3	1.9	3.27	339
250051004	2011	11	2	8	V	8.3	2.3	2.59	354
250051004	2011	11	2	9	V	8.3	2.7	3.12	354
250051004	2011	11	2	10	V	9.4	2.2	2.81	9
250051004	2011	11	2	11	V	7.6	2	2.67	17
250051004	2011	11	2	12	V	9.0	1.6	2.49	28
250051004	2011	11	2	13	V	7.6	1.6	2.04	23
250051004	2011	11	2	14	V	7.2	1.8	1.59	29
250051004	2011	11	2	15	V	4.2	3.8	1.47	79
250051004	2011	11	2	16	V	3.7	4.8	2.08	147
250051004	2011	11	2	17	V	3.0	3	1.86	175
250051004	2011	11	2	18	V	2.7	1.5	2.32	190
250051004	2011	11	2	19	V	2.9	1.3	1.38	204
250051004	2011	11	2	20	V	2.7	1.2	0.77	187
250051004	2011	11	2	21	V	2.7	1.4	0.82	149
250051004	2011	11	2	22	V	2.6	1.3	0.53	197
250051004	2011	11	2	23	V	2.6	1.3	1.11	197
250051004	2011	11	2	24	V	7.9	1.4	0.87	256
250051004	2011	11	3	1	V	9.4	1.3	1.03	194
250051004	2011	11	3	2	V	7.1	1.4	1.37	239
250051004	2011	11	3	3	V	9.1	1.5	0.84	293
250051004	2011	11	3	4	V	12.2	1.6	0.82	238
250051004	2011	11	3	5	C	-999	2.2	0	0
250051004	2011	11	3	6	V	11.0	2.5	0.58	35
250051004	2011	11	3	7	V	11.3	2.5	0.74	201
250051004	2011	11	3	8	V	8.3	2.9	0.72	193
250051004	2011	11	3	9	V	8.2	3.2	2.49	171
250051004	2011	11	3	10	V	9.4	3.8	5.05	222
250051004	2011	11	3	11	V	7.5	3.4	5.21	234
250051004	2011	11	3	12	V	8.9	2.8	5.7	237
250051004	2011	11	3	13	V	7.5	3.7	4.99	235
250051004	2011	11	3	14	V	7.0	3.9	5.41	232
250051004	2011	11	3	15	V	4.0	2.5	4.99	224
250051004	2011	11	3	16	V	3.7	2.3	5.05	219

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	3	17	V	3.0	2	3.71	207
250051004	2011	11	3	18	V	2.7	2	2.66	213
250051004	2011	11	3	19	V	2.9	2	3.18	224
250051004	2011	11	3	20	V	2.7	2.1	3.66	224
250051004	2011	11	3	21	V	2.7	2	3.03	226
250051004	2011	11	3	22	V	2.6	2	1.47	232
250051004	2011	11	3	23	V	2.6	1.8	2.54	212
250051004	2011	11	3	24	V	7.9	2	2.11	219
250051004	2011	11	4	1	V	9.4	1.7	0.8	172
250051004	2011	11	4	2	V	7.1	1.8	0.75	332
250051004	2011	11	4	3	V	9.1	2	1.54	269
250051004	2011	11	4	4	V	12.2	2	1.91	349
250051004	2011	11	4	5	V	10.4	2.4	1.14	17
250051004	2011	11	4	6	V	11.0	3.3	4.42	358
250051004	2011	11	4	7	V	11.3	2.8	4.51	358
250051004	2011	11	4	8	V	8.3	2.2	6.4	360
250051004	2011	11	4	9	V	8.2	1.7	9.13	2
250051004	2011	11	4	10	V	9.4	1.6	8.79	353
250051004	2011	11	4	11	V	7.5	1.9	7.48	351
250051004	2011	11	4	12	V	8.9	1.8	6.89	350
250051004	2011	11	4	13	V	7.7	1.8	7.16	346
250051004	2011	11	4	14	V	7.0	1.7	8.59	354
250051004	2011	11	4	15	V	4.0	1.5	9.03	357
250051004	2011	11	4	16	V	3.7	1.3	7.38	360
250051004	2011	11	4	17	V	3.0	1.3	5.21	358
250051004	2011	11	4	18	V	2.7	1.6	6.53	5
250051004	2011	11	4	19	V	2.9	1.5	7.72	356
250051004	2011	11	4	20	V	2.7	1.5	6.23	357
250051004	2011	11	4	21	V	2.7	1.4	5.55	357
250051004	2011	11	4	22	V	2.6	-999	5.72	358
250051004	2011	11	4	23	V	2.6	1.3	4.12	345
250051004	2011	11	4	24	V	7.9	1.3	3.9	350
250051004	2011	11	5	1	V	9.4	1.6	3.68	344
250051004	2011	11	5	2	V	7.1	1.5	3.57	349
250051004	2011	11	5	3	V	9.1	1.6	4.2	357
250051004	2011	11	5	4	V	12.2	1.7	3.37	347
250051004	2011	11	5	5	V	10.4	1.5	3.47	346
250051004	2011	11	5	6	V	11.0	1.7	3.95	352
250051004	2011	11	5	7	V	11.3	1.5	3.78	345
250051004	2011	11	5	8	V	8.3	1.6	4.61	346
250051004	2011	11	5	9	V	8.2	1.5	5	355
250051004	2011	11	5	10	V	9.4	1.4	6.02	12
250051004	2011	11	5	11	V	7.5	1.5	5.77	12
250051004	2011	11	5	12	V	8.9	1.6	5.09	18
250051004	2011	11	5	13	V	7.5	1.5	4.66	15
250051004	2011	11	5	14	V	7.0	1.5	3.81	23

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	5	15	V	4.0	1.2	2.83	23
250051004	2011	11	5	16	V	3.7	1.1	2.47	16
250051004	2011	11	5	17	V	3.0	1.2	1.84	40
250051004	2011	11	5	18	V	2.7	1.9	0.82	65
250051004	2011	11	5	19	V	2.9	1.6	1.13	275
250051004	2011	11	5	20	V	2.7	1.4	1.37	263
250051004	2011	11	5	21	V	2.7	1.4	1.45	266
250051004	2011	11	5	22	V	2.6	1.4	1.81	266
250051004	2011	11	5	23	V	2.6	1.5	1.31	248
250051004	2011	11	5	24	V	7.9	1.5	1.4	254
250051004	2011	11	6	1	V	9.4	2	0.74	277
250051004	2011	11	6	2	V	7.1	1.8	1.26	282
250051004	2011	11	6	3	V	9.1	2.2	0.69	250
250051004	2011	11	6	4	C	-999	1.9	0	0
250051004	2011	11	6	5	V	10.4	1.9	0.8	252
250051004	2011	11	6	6	V	11.0	2.2	1.26	293
250051004	2011	11	6	7	V	11.3	2.1	0.7	293
250051004	2011	11	6	8	V	8.3	2.5	1.26	258
250051004	2011	11	6	9	V	8.3	2.5	1.81	260
250051004	2011	11	6	10	V	9.4	2.4	3.64	250
250051004	2011	11	6	11	V	7.5	1.6	5.48	243
250051004	2011	11	6	12	V	8.9	1.5	5.46	238
250051004	2011	11	6	13	V	7.5	1.5	4.75	234
250051004	2011	11	6	14	V	7.0	1.4	4.49	237
250051004	2011	11	6	15	V	4.0	1.6	4.8	223
250051004	2011	11	6	16	V	3.7	1.5	4.99	208
250051004	2011	11	6	17	V	3.0	1.7	4.92	209
250051004	2011	11	6	18	V	2.7	1.7	3.88	208
250051004	2011	11	6	19	V	2.9	1.6	3.68	208
250051004	2011	11	6	20	V	2.7	1.6	3.03	210
250051004	2011	11	6	21	V	2.7	1.5	3.13	220
250051004	2011	11	6	22	V	2.6	1.3	3.4	224
250051004	2011	11	6	23	V	2.6	1.5	2.93	212
250051004	2011	11	6	24	V	7.9	1.5	1.62	194
250051004	2011	11	7	1	V	9.4	1.5	1.55	194
250051004	2011	11	7	2	V	7.1	1.4	2.74	186
250051004	2011	11	7	3	V	9.1	1.5	3.07	182
250051004	2011	11	7	4	V	12.2	-999	2.81	203
250051004	2011	11	7	5	V	10.4	1.8	3.15	216
250051004	2011	11	7	6	V	11.0	2	3.68	216
250051004	2011	11	7	7	V	11.3	1.9	3.49	232
250051004	2011	11	7	8	V	8.3	2.1	5.38	232
250051004	2011	11	7	9	V	8.2	2.7	6.31	245
250051004	2011	11	7	10	V	9.4	2.6	5.39	248
250051004	2011	11	7	11	V	7.5	2.8	3.9	241
250051004	2011	11	7	12	V	8.9	2.5	4.09	249

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	7	13	V	7.5	2.3	3.86	260
250051004	2011	11	7	14	V	7.0	2.8	4.32	256
250051004	2011	11	7	15	V	4.0	2.7	4.1	249
250051004	2011	11	7	16	V	3.7	2.7	3.58	236
250051004	2011	11	7	17	V	3.0	2.5	3.2	199
250051004	2011	11	7	18	V	2.7	2.5	3.18	208
250051004	2011	11	7	19	V	2.9	2.7	3	202
250051004	2011	11	7	20	V	2.7	2.7	2.74	219
250051004	2011	11	7	21	V	2.7	2.5	2.22	207
250051004	2011	11	7	22	V	2.6	-999	2.5	197
250051004	2011	11	7	23	V	2.6	2.4	1.89	223
250051004	2011	11	7	24	V	7.9	2.3	1.57	233
250051004	2011	11	8	1	V	9.4	2	1.03	278
250051004	2011	11	8	2	V	7.1	3	2.42	264
250051004	2011	11	8	3	V	9.1	2.5	2.95	263
250051004	2011	11	8	4	V	12.2	2.7	2.2	262
250051004	2011	11	8	5	V	10.4	2.9	2.27	259
250051004	2011	11	8	6	V	11.0	3.2	1.99	263
250051004	2011	11	8	7	V	11.3	3.5	2.74	276
250051004	2011	11	8	8	V	8.3	6.1	0.97	280
250051004	2011	11	8	9	V	8.2	5.9	0.92	283
250051004	2011	11	8	10	V	9.4	4.3	1.26	287
250051004	2011	11	8	11	V	7.5	3.4	3.34	359
250051004	2011	11	8	12	V	8.9	4.8	1.91	12
250051004	2011	11	8	13	V	7.6	2.9	1.4	122
250051004	2011	11	8	14	V	7.0	2.4	2.16	135
250051004	2011	11	8	15	V	4.0	2.1	3.63	158
250051004	2011	11	8	16	V	3.7	2.2	3.63	162
250051004	2011	11	8	17	V	3.0	2.1	3.49	172
250051004	2011	11	8	18	V	2.7	1.9	2.08	178
250051004	2011	11	8	19	V	2.9	1.8	1.3	163
250051004	2011	11	8	20	V	2.7	2	1.47	175
250051004	2011	11	8	21	V	2.7	1.9	1.25	179
250051004	2011	11	8	22	V	2.6	1.9	1.3	164
250051004	2011	11	8	23	V	2.6	1.7	1.62	208
250051004	2011	11	8	24	V	7.9	1.9	1.77	187
250051004	2011	11	9	1	V	9.4	1.8	1.67	187
250051004	2011	11	9	2	V	7.1	1.5	0.58	145
250051004	2011	11	9	3	V	9.1	1.4	0.94	253
250051004	2011	11	9	4	V	12.2	1.4	0.89	257
250051004	2011	11	9	5	V	10.4	1.4	0.65	184
250051004	2011	11	9	6	V	11.0	1.5	1.04	313
250051004	2011	11	9	7	V	11.3	1.5	0.84	191
250051004	2011	11	9	8	V	8.3	2	1.03	218
250051004	2011	11	9	9	V	8.2	2.9	1.08	130
250051004	2011	11	9	10	V	9.9	3.5	1.16	102

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	9	11	V	7.6	7.8	2.76	157
250051004	2011	11	9	12	V	8.9	9.5	5.12	151
250051004	2011	11	9	13	V	7.5	8.4	4.85	148
250051004	2011	11	9	14	V	7.0	5.2	5.21	147
250051004	2011	11	9	15	V	4.0	2.4	5.87	152
250051004	2011	11	9	16	V	3.7	2	5.65	156
250051004	2011	11	9	17	V	3.0	1.8	5.09	168
250051004	2011	11	9	18	V	2.7	1.6	4.22	180
250051004	2011	11	9	19	V	2.9	1.5	1.87	182
250051004	2011	11	9	20	V	2.7	1.3	0.82	173
250051004	2011	11	9	21	V	2.7	1.3	1.47	154
250051004	2011	11	9	22	V	2.6	1.3	0.58	172
250051004	2011	11	9	23	V	2.6	1.5	0.67	83
250051004	2011	11	9	24	V	7.9	1.6	0.57	157
250051004	2011	11	10	1	V	9.4	1.6	0.53	3
250051004	2011	11	10	2	V	7.1	1.4	0.72	23
250051004	2011	11	10	3	V	9.1	1.5	1.08	358
250051004	2011	11	10	4	V	12.2	1.6	0.91	359
250051004	2011	11	10	5	V	10.4	1.6	1.31	5
250051004	2011	11	10	6	V	11.0	1.5	1.67	28
250051004	2011	11	10	7	V	11.3	1.7	1.55	360
250051004	2011	11	10	8	V	8.3	1.6	1.03	24
250051004	2011	11	10	9	V	8.2	1.8	1.54	12
250051004	2011	11	10	10	V	9.4	1.8	1.77	24
250051004	2011	11	10	11	V	7.5	1.7	1.35	64
250051004	2011	11	10	12	V	8.9	1.6	1.55	104
250051004	2011	11	10	13	V	7.5	1.8	2.49	88
250051004	2011	11	10	14	V	7.0	1.9	2.18	53
250051004	2011	11	10	15	V	4.0	1.8	2.18	52
250051004	2011	11	10	16	V	3.7	1.9	1.94	82
250051004	2011	11	10	17	V	3.0	1.8	2.44	135
250051004	2011	11	10	18	V	2.7	2	1.04	216
250051004	2011	11	10	19	V	2.9	1.9	1.43	205
250051004	2011	11	10	20	V	2.7	2.1	1.64	242
250051004	2011	11	10	21	V	2.7	2	1.71	302
250051004	2011	11	10	22	V	2.6	-999	2.38	294
250051004	2011	11	10	23	V	2.6	2	2.61	300
250051004	2011	11	10	24	V	7.9	2.1	4.26	307
250051004	2011	11	11	1	V	9.4	2.2	4.32	301
250051004	2011	11	11	2	V	7.1	2.1	5.65	311
250051004	2011	11	11	3	V	9.1	2	5.56	319
250051004	2011	11	11	4	V	12.2	1.5	4.73	324
250051004	2011	11	11	5	V	10.4	1.8	3.68	342
250051004	2011	11	11	6	V	11.0	2.2	3.9	304
250051004	2011	11	11	7	V	11.3	2.6	6.23	297
250051004	2011	11	11	8	V	8.3	2.4	5.44	305

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	11	9	V	8.2	2.9	6.14	300
250051004	2011	11	11	10	V	9.4	2.7	7.5	306
250051004	2011	11	11	11	V	7.5	2.5	8	299
250051004	2011	11	11	12	V	8.9	2.5	8.86	297
250051004	2011	11	11	13	V	7.5	2.3	8.54	288
250051004	2011	11	11	14	V	7.0	2.4	8.86	290
250051004	2011	11	11	15	V	4.0	2.4	8.57	284
250051004	2011	11	11	16	V	3.7	2.4	8.08	280
250051004	2011	11	11	17	V	3.0	2.4	7.82	281
250051004	2011	11	11	18	V	2.7	2.1	6.7	276
250051004	2011	11	11	19	V	2.9	2	7.2	275
250051004	2011	11	11	20	V	2.7	1.9	6.91	276
250051004	2011	11	11	21	V	2.7	1.6	6.96	276
250051004	2011	11	11	22	V	2.6	1.9	5.65	266
250051004	2011	11	11	23	V	2.6	1.7	5.6	266
250051004	2011	11	11	24	V	7.9	1.7	4.42	256
250051004	2011	11	12	1	V	9.4	2	3.46	251
250051004	2011	11	12	2	V	7.1	1.9	3.73	252
250051004	2011	11	12	3	V	9.1	1.8	3.13	236
250051004	2011	11	12	4	V	12.2	1.9	2.84	227
250051004	2011	11	12	5	V	10.4	1.8	3.68	250
250051004	2011	11	12	6	V	11.0	1.8	4.22	232
250051004	2011	11	12	7	V	11.3	1.8	3.76	237
250051004	2011	11	12	8	V	8.3	1.9	3.39	245
250051004	2011	11	12	9	V	8.2	2	4.17	249
250051004	2011	11	12	10	V	9.4	2.1	5.05	235
250051004	2011	11	12	11	V	7.5	2.2	5.95	219
250051004	2011	11	12	12	V	8.9	2.6	6.86	215
250051004	2011	11	12	13	V	7.5	3.4	7.71	224
250051004	2011	11	12	14	V	7.0	3	7.98	219
250051004	2011	11	12	15	V	4.0	2.6	8.35	218
250051004	2011	11	12	16	V	3.7	2.2	8.01	216
250051004	2011	11	12	17	V	3.0	2.1	6.38	218
250051004	2011	11	12	18	V	2.7	1.9	4.82	211
250051004	2011	11	12	19	V	2.9	1.7	3.32	200
250051004	2011	11	12	20	V	2.7	1.7	2.59	212
250051004	2011	11	12	21	V	2.7	1.9	3.12	248
250051004	2011	11	12	22	V	2.6	2	3.17	237
250051004	2011	11	12	23	V	2.6	2	2.62	193
250051004	2011	11	12	24	V	7.9	1.9	2.01	192
250051004	2011	11	13	1	V	9.4	2.1	2.42	210
250051004	2011	11	13	2	V	7.1	2.2	2.76	210
250051004	2011	11	13	3	V	9.1	2.4	1.47	135
250051004	2011	11	13	4	V	12.2	2.2	0.75	215
250051004	2011	11	13	5	V	10.4	2	0.79	54
250051004	2011	11	13	6	V	11.0	1.9	0.6	45

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	13	7	C	-999	1.9	0	0
250051004	2011	11	13	8	C	-999	1.9	0	0
250051004	2011	11	13	9	V	8.2	2.1	1.57	185
250051004	2011	11	13	10	V	9.4	2.2	4.7	199
250051004	2011	11	13	11	V	7.5	2.2	4.83	209
250051004	2011	11	13	12	V	8.9	2.1	5.97	196
250051004	2011	11	13	13	V	7.5	2.1	8.18	194
250051004	2011	11	13	14	V	7.0	2.2	9.25	198
250051004	2011	11	13	15	V	4.0	2.2	8.83	201
250051004	2011	11	13	16	V	3.7	2.3	7.89	202
250051004	2011	11	13	17	V	3.0	2.4	6.69	203
250051004	2011	11	13	18	V	2.7	2.2	5.56	198
250051004	2011	11	13	19	V	2.9	2.1	5.6	191
250051004	2011	11	13	20	V	2.7	1.9	6.7	201
250051004	2011	11	13	21	V	2.7	1.7	6.26	216
250051004	2011	11	13	22	V	2.6	-999	5.38	208
250051004	2011	11	13	23	V	2.6	1.5	4.36	199
250051004	2011	11	13	24	V	7.9	1.7	4.44	202
250051004	2011	11	14	1	V	9.4	1.8	5.36	211
250051004	2011	11	14	2	V	7.1	1.8	6.38	213
250051004	2011	11	14	3	V	9.1	1.8	6.21	210
250051004	2011	11	14	4	V	12.2	3.4	5.84	208
250051004	2011	11	14	5	V	10.4	9.3	5.75	213
250051004	2011	11	14	6	V	11.0	7.6	5.46	211
250051004	2011	11	14	7	V	11.3	5	6.01	218
250051004	2011	11	14	8	V	8.3	6.9	5.89	225
250051004	2011	11	14	9	V	8.2	5	5.53	225
250051004	2011	11	14	10	V	9.4	6.1	5.41	227
250051004	2011	11	14	11	V	7.5	5.8	6.02	222
250051004	2011	11	14	12	V	8.9	9.6	6.11	232
250051004	2011	11	14	13	V	7.5	10.3	5.77	221
250051004	2011	11	14	14	V	7.0	9.2	5.36	209
250051004	2011	11	14	15	V	4.0	3.1	4.53	199
250051004	2011	11	14	16	V	3.7	2.3	4.63	193
250051004	2011	11	14	17	V	3.0	2.2	3.54	201
250051004	2011	11	14	18	V	2.7	2	3.59	209
250051004	2011	11	14	19	V	2.9	2	4.15	200
250051004	2011	11	14	20	V	2.7	2.2	4.77	201
250051004	2011	11	14	21	V	2.7	2	5.02	199
250051004	2011	11	14	22	V	2.6	1.8	3.71	190
250051004	2011	11	14	23	V	2.6	2.1	4.39	193
250051004	2011	11	14	24	V	7.9	2	5.14	205
250051004	2011	11	15	1	V	9.4	2	6.28	206
250051004	2011	11	15	2	V	7.1	2.2	5.26	232
250051004	2011	11	15	3	V	9.1	2.2	3.35	213
250051004	2011	11	15	4	V	12.2	2.2	3.68	207

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	15	5	V	10.4	17.4	3.18	206
250051004	2011	11	15	6	V	11.0	11.1	4.02	207
250051004	2011	11	15	7	V	11.3	10.4	4.05	202
250051004	2011	11	15	8	V	8.3	13.5	4.83	205
250051004	2011	11	15	9	V	8.2	9.5	4.29	230
250051004	2011	11	15	10	V	9.4	5.5	5.12	223
250051004	2011	11	15	11	V	7.5	6.2	6.04	240
250051004	2011	11	15	12	V	8.9	3.7	5.99	246
250051004	2011	11	15	13	V	7.5	3.4	5.02	278
250051004	2011	11	15	14	V	7.0	2.4	5.1	293
250051004	2011	11	15	15	V	4.0	2.1	3.44	296
250051004	2011	11	15	16	V	3.7	2.1	2.32	307
250051004	2011	11	15	17	V	3.0	2.3	2.74	307
250051004	2011	11	15	18	V	2.7	2.2	2.03	279
250051004	2011	11	15	19	V	2.9	2.3	1.45	305
250051004	2011	11	15	20	V	2.7	2.6	1.67	256
250051004	2011	11	15	21	V	2.7	2.3	1.77	242
250051004	2011	11	15	22	V	2.6	2.2	1.72	257
250051004	2011	11	15	23	V	2.6	2	1.11	272
250051004	2011	11	15	24	V	7.9	5	1.62	182
250051004	2011	11	16	1	V	9.4	2.4	1.45	202
250051004	2011	11	16	2	V	7.1	2.1	0.87	218
250051004	2011	11	16	3	V	9.1	1.8	1.2	132
250051004	2011	11	16	4	V	12.2	1.6	0.97	180
250051004	2011	11	16	5	V	10.4	2.1	0.82	99
250051004	2011	11	16	6	V	11.0	2.1	0.6	65
250051004	2011	11	16	7	V	11.3	1.9	1.5	180
250051004	2011	11	16	8	V	8.3	2	2.03	176
250051004	2011	11	16	9	V	8.2	2.1	2.3	181
250051004	2011	11	16	10	V	9.4	3.4	2.08	195
250051004	2011	11	16	11	V	7.5	7.5	1.86	171
250051004	2011	11	16	12	V	8.9	-999	2.59	169
250051004	2011	11	16	13	V	7.5	2.1	2.23	154
250051004	2011	11	16	14	V	7.0	1.2	1.64	184
250051004	2011	11	16	15	V	4.0	1.4	1.06	104
250051004	2011	11	16	16	V	3.7	0.5	1.77	108
250051004	2011	11	16	17	V	3.0	0.5	1.47	86
250051004	2011	11	16	18	V	2.7	0.6	1.79	61
250051004	2011	11	16	19	V	2.9	0.4	2.96	20
250051004	2011	11	16	20	V	2.7	0.4	2.04	16
250051004	2011	11	16	21	V	2.7	0.6	1.91	334
250051004	2011	11	16	22	V	2.6	-999	2.2	320
250051004	2011	11	16	23	V	2.6	0.2	3.12	337
250051004	2011	11	16	24	V	7.9	0.3	1.96	332
250051004	2011	11	17	1	V	9.4	0.4	2.13	323
250051004	2011	11	17	2	V	7.1	0.3	2.4	306

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	17	3	V	9.1	0.5	3.15	324
250051004	2011	11	17	4	V	12.2	0.4	3.08	314
250051004	2011	11	17	5	V	10.4	0.4	2.83	308
250051004	2011	11	17	6	V	11.0	0.4	4.07	313
250051004	2011	11	17	7	V	11.3	1.6	4.42	304
250051004	2011	11	17	8	V	8.3	1.2	4.31	317
250051004	2011	11	17	9	V	8.2	1.5	5.05	339
250051004	2011	11	17	10	V	9.4	2.2	5.44	334
250051004	2011	11	17	11	V	7.5	0.6	5.39	324
250051004	2011	11	17	12	V	8.9	0.5	4.54	331
250051004	2011	11	17	13	V	7.5	0.7	4.8	340
250051004	2011	11	17	14	V	7.0	0.7	5.21	325
250051004	2011	11	17	15	V	4.0	1.5	5.84	321
250051004	2011	11	17	16	V	3.7	0.5	5.65	328
250051004	2011	11	17	17	V	3.0	0.4	4.49	335
250051004	2011	11	17	18	V	2.7	0.2	3.57	308
250051004	2011	11	17	19	V	2.9	0.3	3.18	299
250051004	2011	11	17	20	V	2.7	0	3.35	300
250051004	2011	11	17	21	V	2.7	0.1	4.25	300
250051004	2011	11	17	22	V	2.6	0.3	3.56	284
250051004	2011	11	17	23	V	2.6	0.4	4.87	295
250051004	2011	11	17	24	V	7.9	0.6	4.75	290
250051004	2011	11	18	1	V	9.4	0.6	5.12	295
250051004	2011	11	18	2	V	7.1	0.4	4.41	278
250051004	2011	11	18	3	V	9.1	0.2	4.53	276
250051004	2011	11	18	4	V	12.2	0.5	4.12	259
250051004	2011	11	18	5	V	10.4	0.8	4.9	267
250051004	2011	11	18	6	V	11.0	0.4	3.39	266
250051004	2011	11	18	7	V	11.3	0.2	3.17	268
250051004	2011	11	18	8	V	8.3	0.1	3.8	271
250051004	2011	11	18	9	V	8.2	0.5	4.78	281
250051004	2011	11	18	10	V	9.4	0.6	6.45	288
250051004	2011	11	18	11	V	7.5	0.2	7.28	297
250051004	2011	11	18	12	V	8.9	0.9	6.92	285
250051004	2011	11	18	13	V	7.5	0.5	6.96	281
250051004	2011	11	18	14	V	7.0	0.3	6.41	294
250051004	2011	11	18	15	V	4.0	0	5.33	293
250051004	2011	11	18	16	V	3.7	0.4	4.73	289
250051004	2011	11	18	17	V	3.0	0.2	2.42	269
250051004	2011	11	18	18	V	2.7	0	1.6	246
250051004	2011	11	18	19	V	2.9	0.1	1.98	235
250051004	2011	11	18	20	V	2.7	0	1.43	241
250051004	2011	11	18	21	V	2.7	0.2	0.87	248
250051004	2011	11	18	22	V	2.6	0	1.2	259
250051004	2011	11	18	23	V	2.6	0.1	0.74	192
250051004	2011	11	18	24	V	7.9	0.1	1.01	238

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	19	1	V	9.4	0.2	1.86	193
250051004	2011	11	19	2	V	7.1	0.4	1.96	211
250051004	2011	11	19	3	V	9.1	0.8	2.01	219
250051004	2011	11	19	4	V	12.2	0.4	2.42	218
250051004	2011	11	19	5	V	10.4	0.5	3	207
250051004	2011	11	19	6	V	11.0	0.6	4	212
250051004	2011	11	19	7	V	11.3	0.8	3.86	218
250051004	2011	11	19	8	V	8.3	0.9	3.93	221
250051004	2011	11	19	9	V	8.2	0.9	5.53	230
250051004	2011	11	19	10	V	9.4	0.7	6.4	228
250051004	2011	11	19	11	V	7.5	0.5	7.33	224
250051004	2011	11	19	12	V	8.9	0.3	7.25	224
250051004	2011	11	19	13	V	7.5	0.2	8.22	224
250051004	2011	11	19	14	V	7.0	0	7.25	219
250051004	2011	11	19	15	V	4.0	0	6.41	218
250051004	2011	11	19	16	V	3.7	0	6.6	213
250051004	2011	11	19	17	V	3.0	0	5.56	212
250051004	2011	11	19	18	V	2.7	0	4.73	207
250051004	2011	11	19	19	V	2.9	0.3	4.71	192
250051004	2011	11	19	20	V	2.7	0.2	4.2	204
250051004	2011	11	19	21	V	2.7	0	4.78	217
250051004	2011	11	19	22	V	2.6	-999	4.87	209
250051004	2011	11	19	23	V	2.6	0	5	209
250051004	2011	11	19	24	V	7.9	0	4.39	208
250051004	2011	11	20	1	V	9.4	0	4.87	207
250051004	2011	11	20	2	V	7.1	0.1	5.94	230
250051004	2011	11	20	3	V	9.1	0.1	5.19	225
250051004	2011	11	20	4	V	12.2	0.1	4.24	209
250051004	2011	11	20	5	V	10.4	0	4.66	207
250051004	2011	11	20	6	V	11.0	0.2	4.6	202
250051004	2011	11	20	7	V	11.3	0.2	5.24	208
250051004	2011	11	20	8	V	8.3	0.3	7.03	221
250051004	2011	11	20	9	V	8.2	0.6	7.47	225
250051004	2011	11	20	10	V	9.4	0.7	7.2	226
250051004	2011	11	20	11	V	7.5	0.6	7.06	229
250051004	2011	11	20	12	V	8.9	0.7	6.96	236
250051004	2011	11	20	13	V	7.5	0.7	6.81	233
250051004	2011	11	20	14	V	7.0	0.8	6.77	233
250051004	2011	11	20	15	V	4.0	0.8	6.07	233
250051004	2011	11	20	16	V	3.7	0.8	5.41	220
250051004	2011	11	20	17	V	3.0	0.5	4.03	212
250051004	2011	11	20	18	V	2.7	0.2	3.59	199
250051004	2011	11	20	19	V	2.9	0	3.9	211
250051004	2011	11	20	20	V	2.7	0.1	3.93	227
250051004	2011	11	20	21	V	2.7	0.3	4.49	252
250051004	2011	11	20	22	V	2.6	0.2	4.26	253

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	20	23	V	2.6	0.4	3.69	260
250051004	2011	11	20	24	V	7.9	0.3	2.89	269
250051004	2011	11	21	1	V	9.4	0.5	2.93	270
250051004	2011	11	21	2	V	7.1	0.5	2.93	281
250051004	2011	11	21	3	V	9.1	0.7	2.52	296
250051004	2011	11	21	4	V	12.2	-999	2.81	305
250051004	2011	11	21	5	V	10.4	0.2	1.43	341
250051004	2011	11	21	6	V	11.0	0	4.46	9
250051004	2011	11	21	7	V	11.3	0.3	4.25	24
250051004	2011	11	21	8	V	8.3	0.5	4.82	25
250051004	2011	11	21	9	V	8.2	0.7	6.09	18
250051004	2011	11	21	10	V	9.4	0.2	5.53	15
250051004	2011	11	21	11	V	7.5	0.3	5.72	16
250051004	2011	11	21	12	V	8.9	0.3	4.93	40
250051004	2011	11	21	13	V	7.5	0	4.85	40
250051004	2011	11	21	14	V	7.0	0	4.46	59
250051004	2011	11	21	15	V	4.0	0	4.44	61
250051004	2011	11	21	16	V	3.7	0	4.17	64
250051004	2011	11	21	17	V	3.0	0	4.85	76
250051004	2011	11	21	18	V	2.7	0	3.66	74
250051004	2011	11	21	19	V	2.9	0	2.69	70
250051004	2011	11	21	20	V	2.7	0	2.11	54
250051004	2011	11	21	21	V	2.7	0	2.13	37
250051004	2011	11	21	22	V	2.6	0.1	1.86	11
250051004	2011	11	21	23	V	2.6	0	1.18	18
250051004	2011	11	21	24	V	7.9	0	0.87	342
250051004	2011	11	22	1	V	9.4	0	1.48	344
250051004	2011	11	22	2	V	7.1	0.2	1.5	354
250051004	2011	11	22	3	V	9.1	0.6	1.79	336
250051004	2011	11	22	4	V	12.2	0.3	1.55	344
250051004	2011	11	22	5	V	10.4	0.6	1.79	357
250051004	2011	11	22	6	V	11.0	0.4	2.1	16
250051004	2011	11	22	7	V	11.3	1.4	2.15	11
250051004	2011	11	22	8	V	8.3	2.1	0.94	331
250051004	2011	11	22	9	V	8.5	1.5	0.65	3
250051004	2011	11	22	10	V	9.4	0.3	0.97	35
250051004	2011	11	22	11	V	7.5	0.1	1.21	76
250051004	2011	11	22	12	V	8.9	0.1	1.76	151
250051004	2011	11	22	13	V	7.5	0.3	1.94	96
250051004	2011	11	22	14	V	7.0	0.3	1.79	113
250051004	2011	11	22	15	V	4.0	0.2	1.62	114
250051004	2011	11	22	16	V	3.7	0	1.4	115
250051004	2011	11	22	17	V	3.0	0	1.25	132
250051004	2011	11	22	18	V	2.7	0	2.13	117
250051004	2011	11	22	19	V	2.9	0	3.08	122
250051004	2011	11	22	20	V	2.7	0.1	3.66	116

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	22	21	V	2.7	0.1	3.25	101
250051004	2011	11	22	22	V	2.6	-999	2.88	91
250051004	2011	11	22	23	V	2.6	0	3.2	71
250051004	2011	11	22	24	V	7.9	0	3.69	74
250051004	2011	11	23	1	V	9.4	0	3.93	62
250051004	2011	11	23	2	V	7.1	0.1	5.65	67
250051004	2011	11	23	3	V	9.1	0.1	5.36	74
250051004	2011	11	23	4	V	12.2	0.2	4.56	64
250051004	2011	11	23	5	V	10.4	0.3	4.17	45
250051004	2011	11	23	6	V	11.0	0.4	5.39	9
250051004	2011	11	23	7	V	11.3	0.6	4.6	8
250051004	2011	11	23	8	V	8.3	0.9	4.65	351
250051004	2011	11	23	9	V	8.2	1.1	3.76	343
250051004	2011	11	23	10	V	9.4	1.3	3.51	338
250051004	2011	11	23	11	V	7.5	1	5.07	347
250051004	2011	11	23	12	V	8.9	0.8	6.13	353
250051004	2011	11	23	13	V	7.5	0.9	7.55	360
250051004	2011	11	23	14	V	7.0	0.8	7.62	3
250051004	2011	11	23	15	V	4.0	0.7	8.47	358
250051004	2011	11	23	16	V	3.7	0.9	8.98	5
250051004	2011	11	23	17	V	3.0	0.5	9.19	5
250051004	2011	11	23	18	V	2.7	0.4	8.42	2
250051004	2011	11	23	19	V	2.9	0.6	8.5	5
250051004	2011	11	23	20	V	2.7	0.5	8.39	3
250051004	2011	11	23	21	V	2.7	0.5	8.08	4
250051004	2011	11	23	22	V	2.6	0.3	8.69	358
250051004	2011	11	23	23	V	2.6	0	8.27	3
250051004	2011	11	23	24	V	7.9	0.4	7.64	6
250051004	2011	11	24	1	V	9.4	0.4	7.59	6
250051004	2011	11	24	2	V	7.1	0.3	5.51	1
250051004	2011	11	24	3	V	9.1	0.2	3.58	357
250051004	2011	11	24	4	V	12.2	0.3	2.64	346
250051004	2011	11	24	5	V	10.4	0.3	2.28	331
250051004	2011	11	24	6	V	11.0	0.3	2.52	326
250051004	2011	11	24	7	V	11.3	0.4	2.27	303
250051004	2011	11	24	8	V	8.3	0.6	2.08	297
250051004	2011	11	24	9	V	8.2	0.5	3.78	310
250051004	2011	11	24	10	V	9.6	0.7	4.15	332
250051004	2011	11	24	11	V	7.5	0.4	3.69	349
250051004	2011	11	24	12	V	9.1	0.4	2.11	329
250051004	2011	11	24	13	V	7.5	0.4	2.3	281
250051004	2011	11	24	14	V	7.0	0.5	3.25	298
250051004	2011	11	24	15	V	4.0	0.6	2.22	297
250051004	2011	11	24	16	V	3.7	0.6	2.84	296
250051004	2011	11	24	17	V	3.0	0.3	1.82	308
250051004	2011	11	24	18	V	2.7	0.3	1.6	297

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	24	19	V	2.9	0.4	1.11	243
250051004	2011	11	24	20	V	2.7	0.2	1.52	260
250051004	2011	11	24	21	V	2.7	0.1	1.04	266
250051004	2011	11	24	22	V	2.6	-999	0.89	250
250051004	2011	11	24	23	V	2.6	0.3	1.25	252
250051004	2011	11	24	24	V	7.9	0.5	1.28	244
250051004	2011	11	25	1	V	9.4	0.2	1.98	258
250051004	2011	11	25	2	V	7.1	0.3	1.82	276
250051004	2011	11	25	3	V	9.1	0.5	1.6	274
250051004	2011	11	25	4	V	12.2	0.6	1.84	226
250051004	2011	11	25	5	V	10.4	1	1.84	227
250051004	2011	11	25	6	V	11.0	2.8	1.59	232
250051004	2011	11	25	7	V	11.3	0.9	1.72	224
250051004	2011	11	25	8	V	8.3	2	1.64	233
250051004	2011	11	25	9	V	8.2	3.1	2.67	231
250051004	2011	11	25	10	V	9.4	2.7	4.68	243
250051004	2011	11	25	11	V	7.5	2.8	4.36	238
250051004	2011	11	25	12	V	8.9	2.1	3.66	229
250051004	2011	11	25	13	V	7.5	1.2	3.73	248
250051004	2011	11	25	14	V	7.0	2.7	4.34	260
250051004	2011	11	25	15	V	4.0	1.4	4.03	248
250051004	2011	11	25	16	V	3.7	1.6	4.42	255
250051004	2011	11	25	17	V	3.0	1.8	2.84	220
250051004	2011	11	25	18	V	2.7	1.8	3.25	178
250051004	2011	11	25	19	V	2.9	1.7	3.32	184
250051004	2011	11	25	20	V	2.7	1.9	3.1	203
250051004	2011	11	25	21	V	2.7	1.7	3.18	230
250051004	2011	11	25	22	V	2.6	1.9	2.06	245
250051004	2011	11	25	23	V	2.6	2.4	4.76	257
250051004	2011	11	25	24	V	7.9	2.4	4.46	248
250051004	2011	11	26	1	V	9.4	2.4	4.26	250
250051004	2011	11	26	2	V	7.1	2.1	3.93	257
250051004	2011	11	26	3	V	9.1	1.9	4.44	267
250051004	2011	11	26	4	V	12.2	1.7	3.1	246
250051004	2011	11	26	5	V	10.4	1.8	1.4	156
250051004	2011	11	26	6	V	11.0	1.6	2.16	180
250051004	2011	11	26	7	V	11.3	1.7	0.72	194
250051004	2011	11	26	8	V	8.3	2.1	0.91	173
250051004	2011	11	26	9	V	8.2	2.3	1.5	234
250051004	2011	11	26	10	V	9.4	2.2	2.67	256
250051004	2011	11	26	11	V	7.5	2.6	3.18	287
250051004	2011	11	26	12	V	8.9	2.7	3.18	276
250051004	2011	11	26	13	V	7.5	2.3	2.78	281
250051004	2011	11	26	14	V	7.0	1.8	2.66	245
250051004	2011	11	26	15	V	4.0	1.6	3.71	246
250051004	2011	11	26	16	V	3.7	1.1	3.42	255

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	26	17	V	3.0	1.2	1.94	236
250051004	2011	11	26	18	V	2.7	1.5	1.86	220
250051004	2011	11	26	19	V	2.9	1.7	1.64	220
250051004	2011	11	26	20	V	2.7	2	1.45	222
250051004	2011	11	26	21	V	2.7	1.8	1.47	232
250051004	2011	11	26	22	V	2.6	1.5	0.53	210
250051004	2011	11	26	23	V	2.6	1.4	1.03	259
250051004	2011	11	26	24	V	7.9	0.9	0.6	193
250051004	2011	11	27	1	V	9.4	0.9	0.96	244
250051004	2011	11	27	2	V	7.1	0.8	0.99	282
250051004	2011	11	27	3	V	9.1	0.8	0.94	258
250051004	2011	11	27	4	V	12.2	0.9	1.35	264
250051004	2011	11	27	5	V	10.4	0.6	0.99	278
250051004	2011	11	27	6	V	11.0	0.3	0.92	278
250051004	2011	11	27	7	V	11.3	0.2	1.18	286
250051004	2011	11	27	8	V	8.3	0.1	1.21	322
250051004	2011	11	27	9	V	8.2	0.5	1.43	7
250051004	2011	11	27	10	C	-999	0.9	0	0
250051004	2011	11	27	11	V	7.5	0.5	1.09	170
250051004	2011	11	27	12	V	8.9	0.4	3.63	161
250051004	2011	11	27	13	V	7.5	0.4	4.27	151
250051004	2011	11	27	14	V	7.0	0.6	4.7	148
250051004	2011	11	27	15	V	4.0	0.6	4.41	150
250051004	2011	11	27	16	V	3.7	0.3	3.78	152
250051004	2011	11	27	17	V	3.0	0.2	2.96	184
250051004	2011	11	27	18	V	2.7	0.1	3.27	178
250051004	2011	11	27	19	V	2.9	0	2.81	192
250051004	2011	11	27	20	V	2.7	0	2.4	194
250051004	2011	11	27	21	V	2.7	0	1.74	185
250051004	2011	11	27	22	V	2.6	-999	3.03	189
250051004	2011	11	27	23	V	2.6	0.2	4.8	205
250051004	2011	11	27	24	V	7.9	0	5.17	211
250051004	2011	11	28	1	V	9.4	0	5.09	211
250051004	2011	11	28	2	V	7.1	0.2	5.43	210
250051004	2011	11	28	3	V	9.1	0.3	5.22	218
250051004	2011	11	28	4	V	12.2	1	5.9	218
250051004	2011	11	28	5	V	10.4	3.8	5.62	219
250051004	2011	11	28	6	V	11.0	1.9	5.31	215
250051004	2011	11	28	7	V	11.3	1.4	5.29	220
250051004	2011	11	28	8	V	8.3	1.1	5.56	215
250051004	2011	11	28	9	V	8.2	1.4	5.89	213
250051004	2011	11	28	10	V	9.4	1.4	5.38	224
250051004	2011	11	28	11	V	7.5	2.1	6.36	234
250051004	2011	11	28	12	V	8.9	3.3	6.33	226
250051004	2011	11	28	13	V	7.5	1.6	6.38	224
250051004	2011	11	28	14	V	7.0	2.4	5.75	222

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	28	15	V	4.0	2.2	5.09	219
250051004	2011	11	28	16	V	3.7	0.3	4.95	218
250051004	2011	11	28	17	V	3.0	0.2	4.14	207
250051004	2011	11	28	18	V	2.7	-999	3.35	209
250051004	2011	11	28	19	V	2.9	0.4	2.49	227
250051004	2011	11	28	20	V	2.7	0.2	2.84	213
250051004	2011	11	28	21	V	2.7	0.3	1.37	181
250051004	2011	11	28	22	V	2.6	-999	0.82	125
250051004	2011	11	28	23	V	2.6	0	0.86	170
250051004	2011	11	28	24	V	7.9	0.1	1.69	170
250051004	2011	11	29	1	V	9.4	0.2	1.4	177
250051004	2011	11	29	2	V	7.1	0.2	0.96	158
250051004	2011	11	29	3	V	9.1	0.2	0.7	215
250051004	2011	11	29	4	V	12.2	0	0.55	239
250051004	2011	11	29	5	C	-999	0	0	0
250051004	2011	11	29	6	C	-999	0.3	0	0
250051004	2011	11	29	7	C	-999	0.6	0	0
250051004	2011	11	29	8	C	-999	0.5	0	0
250051004	2011	11	29	9	V	8.2	0.4	0.72	75
250051004	2011	11	29	10	V	9.4	0.2	1.53	166
250051004	2011	11	29	11	V	7.5	0.3	3.83	160
250051004	2011	11	29	12	V	8.9	-999	3.69	166
250051004	2011	11	29	13	V	7.5	-999	3.18	170
250051004	2011	11	29	14	V	7.0	0.2	4.56	143
250051004	2011	11	29	15	V	4.0	0.3	4.51	149
250051004	2011	11	29	16	V	3.7	0.1	4.82	148
250051004	2011	11	29	17	V	3.0	0	4.83	146
250051004	2011	11	29	18	V	2.7	0.1	4.44	159
250051004	2011	11	29	19	V	2.9	0.1	4.78	136
250051004	2011	11	29	20	V	2.7	0.2	3.32	134
250051004	2011	11	29	21	V	2.7	0.2	3.03	171
250051004	2011	11	29	22	V	2.6	0.3	7.74	159
250051004	2011	11	29	23	V	2.6	0.4	7.47	163
250051004	2011	11	29	24	V	7.9	0.4	9.66	164
250051004	2011	11	30	1	V	9.4	0.3	10.41	162
250051004	2011	11	30	2	V	7.1	0.5	5.77	190
250051004	2011	11	30	3	V	9.1	0.3	5.82	240
250051004	2011	11	30	4	V	12.2	0.2	7.5	235
250051004	2011	11	30	5	V	10.4	0.9	4.7	212
250051004	2011	11	30	6	V	11.0	5	4.51	203
250051004	2011	11	30	7	V	11.3	2.4	5.29	212
250051004	2011	11	30	8	V	8.3	2	5.27	223
250051004	2011	11	30	9	V	8.2	1.2	5.67	224
250051004	2011	11	30	10	V	9.4	1.8	6.33	229
250051004	2011	11	30	11	V	7.5	1.7	8.52	219
250051004	2011	11	30	12	V	8.9	1.7	8.74	222

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	11	30	13	V	7.5	1.1	7.81	235
250051004	2011	11	30	14	V	7.0	0.7	7.3	256
250051004	2011	11	30	15	V	4.0	1	6.33	239
250051004	2011	11	30	16	V	3.7	1.5	6.23	226
250051004	2011	11	30	17	V	3.0	1.9	3.83	235
250051004	2011	11	30	18	V	2.7	1.6	3.88	233
250051004	2011	11	30	19	V	2.9	1.4	2.38	221
250051004	2011	11	30	20	V	2.7	1.4	2.28	232
250051004	2011	11	30	21	V	2.7	1.4	2.18	220
250051004	2011	11	30	22	V	2.6	1.3	2.73	207
250051004	2011	11	30	23	V	2.6	1.9	2.28	217
250051004	2011	11	30	24	V	7.9	1.3	2.23	245
250051004	2011	12	1	1	V	4.1	1.1	2.5	260
250051004	2011	12	1	2	V	5.3	1.3	3.01	272
250051004	2011	12	1	3	V	4.8	1.3	5.09	294
250051004	2011	12	1	4	V	7.3	0.7	4.36	299
250051004	2011	12	1	5	V	8.0	0.4	3.76	306
250051004	2011	12	1	6	V	6.2	4.6	4.15	308
250051004	2011	12	1	7	V	9.3	6	3.51	312
250051004	2011	12	1	8	V	8.3	7.2	4.37	324
250051004	2011	12	1	9	V	7.2	3.3	5.39	338
250051004	2011	12	1	10	V	8.1	1.3	6.89	350
250051004	2011	12	1	11	V	8.6	0.4	6.24	359
250051004	2011	12	1	12	V	8.4	0.5	4.85	356
250051004	2011	12	1	13	V	8.8	0.3	4.22	343
250051004	2011	12	1	14	V	9.3	0.7	4.65	353
250051004	2011	12	1	15	V	8.0	0.9	4.32	354
250051004	2011	12	1	16	V	6.8	0.6	3.36	350
250051004	2011	12	1	17	V	8.9	0.1	2.86	352
250051004	2011	12	1	18	V	5.8	0.3	2.36	309
250051004	2011	12	1	19	V	4.4	0.4	3.36	332
250051004	2011	12	1	20	V	4.3	0.3	2.86	344
250051004	2011	12	1	21	V	4.1	0.4	1.76	314
250051004	2011	12	1	22	C	-999	-999	0	0
250051004	2011	12	1	23	V	3.7	1	1.76	311
250051004	2011	12	1	24	V	4.8	0.8	1.76	304
250051004	2011	12	2	1	V	4.1	2	1.76	256
250051004	2011	12	2	2	V	5.3	0.9	1.76	292
250051004	2011	12	2	3	V	4.8	1	1.76	281
250051004	2011	12	2	4	V	7.3	1.3	1.28	279
250051004	2011	12	2	5	V	8.0	3.2	1.16	273
250051004	2011	12	2	6	V	6.2	4.3	0.89	246
250051004	2011	12	2	7	V	9.3	3.5	1.04	261
250051004	2011	12	2	8	V	8.3	6.4	0.94	269
250051004	2011	12	2	9	V	7.2	3.6	0.97	229
250051004	2011	12	2	10	V	8.1	1.8	1.03	184

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	2	11	V	8.6	2.9	2.11	175
250051004	2011	12	2	12	V	8.4	4.1	2.91	157
250051004	2011	12	2	13	V	8.8	3.6	3.95	204
250051004	2011	12	2	14	V	9.3	1.9	3.86	227
250051004	2011	12	2	15	V	8.0	0	4.22	215
250051004	2011	12	2	16	V	6.8	0.2	4.24	221
250051004	2011	12	2	17	V	8.9	1	2.5	228
250051004	2011	12	2	18	V	5.8	0.8	1.96	233
250051004	2011	12	2	19	V	4.4	1.1	1.71	246
250051004	2011	12	2	20	V	4.3	1.6	2.76	279
250051004	2011	12	2	21	V	4.1	1.8	4.48	323
250051004	2011	12	2	22	V	3.6	1.3	5.55	325
250051004	2011	12	2	23	V	3.7	1.3	4.46	321
250051004	2011	12	2	24	V	4.8	1.5	3.08	326
250051004	2011	12	3	1	V	4.1	1.4	3.73	324
250051004	2011	12	3	2	V	5.3	1.1	3.51	330
250051004	2011	12	3	3	V	4.8	1.1	3.68	342
250051004	2011	12	3	4	V	7.3	0.8	3.29	346
250051004	2011	12	3	5	V	8.0	0.3	3.63	347
250051004	2011	12	3	6	V	6.2	0.2	3.25	349
250051004	2011	12	3	7	V	9.3	0	3.27	340
250051004	2011	12	3	8	V	8.3	0.1	4.24	346
250051004	2011	12	3	9	V	7.2	0	5.02	352
250051004	2011	12	3	10	V	8.1	0	5.31	3
250051004	2011	12	3	11	V	8.6	0	4.41	1
250051004	2011	12	3	12	V	8.4	0.1	3.42	36
250051004	2011	12	3	13	V	8.8	0.2	2.38	54
250051004	2011	12	3	14	V	9.3	0	1.81	54
250051004	2011	12	3	15	V	8.0	0	1.25	136
250051004	2011	12	3	16	V	6.8	0	0.75	243
250051004	2011	12	3	17	V	8.9	0	1.7	204
250051004	2011	12	3	18	V	5.8	0	1.31	197
250051004	2011	12	3	19	V	4.4	0	2.2	108
250051004	2011	12	3	20	V	4.3	0	1.65	120
250051004	2011	12	3	21	V	4.1	0	1.3	290
250051004	2011	12	3	22	V	3.6	0	1.45	279
250051004	2011	12	3	23	V	3.7	0	1.38	285
250051004	2011	12	3	24	V	4.8	0	1.52	279
250051004	2011	12	4	1	V	4.1	0	1.38	274
250051004	2011	12	4	2	V	5.3	0	1.35	290
250051004	2011	12	4	3	V	4.8	0	1.59	288
250051004	2011	12	4	4	V	7.3	0	0.94	326
250051004	2011	12	4	5	V	8.0	0	0.86	300
250051004	2011	12	4	6	V	6.2	0	1.38	296
250051004	2011	12	4	7	V	9.3	0	1.43	289
250051004	2011	12	4	8	C	-999	0	0	0

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	4	9	V	7.2	1.2	0.62	9
250051004	2011	12	4	10	V	8.1	1.1	0.6	169
250051004	2011	12	4	11	V	8.6	0.2	1.04	224
250051004	2011	12	4	12	V	8.4	0	3.15	185
250051004	2011	12	4	13	V	8.8	0	4.68	180
250051004	2011	12	4	14	V	9.3	0	6.92	195
250051004	2011	12	4	15	V	8.0	0	5.96	197
250051004	2011	12	4	16	V	6.8	0	5.26	201
250051004	2011	12	4	17	V	8.9	0	3.46	200
250051004	2011	12	4	18	V	5.8	0	2.61	183
250051004	2011	12	4	19	V	4.4	0	3.49	192
250051004	2011	12	4	20	V	4.3	0	2.96	201
250051004	2011	12	4	21	V	4.1	0	3.1	184
250051004	2011	12	4	22	V	3.6	-999	1.65	165
250051004	2011	12	4	23	V	3.7	0	1.59	201
250051004	2011	12	4	24	V	4.8	0	2.18	195
250051004	2011	12	5	1	V	4.1	0	1.38	193
250051004	2011	12	5	2	V	5.3	0	1.72	210
250051004	2011	12	5	3	C	-999	0	0	0
250051004	2011	12	5	4	C	-999	-999	0	0
250051004	2011	12	5	5	V	8.0	-999	0.87	201
250051004	2011	12	5	6	V	6.2	0	0.8	198
250051004	2011	12	5	7	V	9.3	0	1.35	178
250051004	2011	12	5	8	V	8.3	0	3.32	230
250051004	2011	12	5	9	V	7.2	0	3.53	225
250051004	2011	12	5	10	V	8.1	2.7	3.03	194
250051004	2011	12	5	11	V	8.6	5.1	3.83	218
250051004	2011	12	5	12	V	8.4	2.6	4.39	212
250051004	2011	12	5	13	V	8.8	0.1	4.39	188
250051004	2011	12	5	14	V	9.3	0	4.27	161
250051004	2011	12	5	15	V	8.0	0	4.78	176
250051004	2011	12	5	16	V	6.8	0	4.09	186
250051004	2011	12	5	17	V	8.9	0	2.96	160
250051004	2011	12	5	18	V	5.8	0	3.56	186
250051004	2011	12	5	19	V	4.4	0	2.95	203
250051004	2011	12	5	20	V	4.3	0	2.86	188
250051004	2011	12	5	21	V	4.1	0	2.16	176
250051004	2011	12	5	22	V	3.6	0	1.72	171
250051004	2011	12	5	23	V	3.7	0	2.42	179
250051004	2011	12	5	24	V	4.8	0	2.1	168
250051004	2011	12	6	1	V	4.1	0	1.81	167
250051004	2011	12	6	2	V	5.3	0	1.13	172
250051004	2011	12	6	3	V	4.8	0	2.33	187
250051004	2011	12	6	4	V	7.3	0	4.07	214
250051004	2011	12	6	5	V	8.0	2.1	3.69	210
250051004	2011	12	6	6	V	6.2	3.3	3.64	203

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	6	7	V	9.3	5	4.22	203
250051004	2011	12	6	8	V	8.3	3.2	4.87	196
250051004	2011	12	6	9	V	7.2	5.3	4.68	191
250051004	2011	12	6	10	V	8.1	5.7	4.7	193
250051004	2011	12	6	11	V	8.6	8.1	5.21	209
250051004	2011	12	6	12	V	8.4	6.5	5.67	221
250051004	2011	12	6	13	V	8.8	4	4.83	214
250051004	2011	12	6	14	V	9.3	4.5	4.68	216
250051004	2011	12	6	15	V	8.0	0.9	4.34	210
250051004	2011	12	6	16	V	6.8	0.4	3.81	218
250051004	2011	12	6	17	V	8.9	0.3	2.9	211
250051004	2011	12	6	18	V	5.8	0.1	3.4	186
250051004	2011	12	6	19	V	4.4	0.2	2.61	181
250051004	2011	12	6	20	V	4.3	0.2	2.64	182
250051004	2011	12	6	21	V	4.1	0.1	2.11	193
250051004	2011	12	6	22	V	3.6	0.2	2.49	206
250051004	2011	12	6	23	V	3.7	0.2	2.15	188
250051004	2011	12	6	24	V	4.8	0.2	2.05	188
250051004	2011	12	7	1	V	4.1	0.1	3.18	220
250051004	2011	12	7	2	V	5.3	0.2	2.5	195
250051004	2011	12	7	3	V	4.8	0.2	1.89	185
250051004	2011	12	7	4	V	7.3	0.6	2.1	167
250051004	2011	12	7	5	V	8.0	6.3	2.28	166
250051004	2011	12	7	6	V	6.2	6.6	1.84	176
250051004	2011	12	7	7	V	9.3	1.7	1.96	163
250051004	2011	12	7	8	V	8.3	3.8	2.28	156
250051004	2011	12	7	9	V	7.2	1.6	1.86	164
250051004	2011	12	7	10	V	8.1	1.3	2.49	167
250051004	2011	12	7	11	V	8.6	3.3	1.91	189
250051004	2011	12	7	12	V	8.5	1.6	2.08	173
250051004	2011	12	7	13	V	8.8	1	2.45	97
250051004	2011	12	7	14	V	9.4	1.3	2.25	140
250051004	2011	12	7	15	V	8.0	0.7	4.75	25
250051004	2011	12	7	16	V	6.8	0.7	4.68	21
250051004	2011	12	7	17	V	8.9	0.5	4.19	25
250051004	2011	12	7	18	V	5.8	0.6	4.9	12
250051004	2011	12	7	19	V	4.4	0.7	4.39	17
250051004	2011	12	7	20	V	4.3	0.8	5	26
250051004	2011	12	7	21	V	4.1	0.6	4.24	28
250051004	2011	12	7	22	V	3.6	-999	5.09	12
250051004	2011	12	7	23	V	3.7	0.7	6.14	19
250051004	2011	12	7	24	V	4.8	1.1	5.63	35
250051004	2011	12	8	1	V	4.1	1.2	6.43	348
250051004	2011	12	8	2	V	5.3	0.9	6.45	12
250051004	2011	12	8	3	V	4.8	1.3	7.77	346
250051004	2011	12	8	4	V	11.8	1.8	8.49	329

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	8	5	V	9.7	3.8	9.47	319
250051004	2011	12	8	6	V	6.2	2.1	8.22	306
250051004	2011	12	8	7	V	9.3	1.5	7.28	300
250051004	2011	12	8	8	V	8.3	1.2	8.1	300
250051004	2011	12	8	9	V	7.2	0.8	8.01	293
250051004	2011	12	8	10	V	8.1	0.7	8.1	296
250051004	2011	12	8	11	V	8.6	0.6	9.27	298
250051004	2011	12	8	12	V	8.4	0.7	8.01	298
250051004	2011	12	8	13	V	8.8	0.6	7.89	295
250051004	2011	12	8	14	V	9.3	0.6	8.2	297
250051004	2011	12	8	15	V	8.0	0.5	7.77	288
250051004	2011	12	8	16	V	6.8	0.5	8.03	285
250051004	2011	12	8	17	V	8.9	0.5	6.6	287
250051004	2011	12	8	18	V	5.8	0.4	4.29	273
250051004	2011	12	8	19	V	4.4	0.1	3.17	246
250051004	2011	12	8	20	V	4.3	0	3.08	247
250051004	2011	12	8	21	V	4.1	0.3	1.53	210
250051004	2011	12	8	22	V	3.6	0.1	0.97	263
250051004	2011	12	8	23	V	3.7	0.2	1.53	246
250051004	2011	12	8	24	V	4.8	0.6	1.98	287
250051004	2011	12	9	1	V	4.1	0.5	3.57	271
250051004	2011	12	9	2	V	5.3	0.6	3.46	263
250051004	2011	12	9	3	V	4.8	0.2	2.4	235
250051004	2011	12	9	4	V	7.3	0.4	1.37	275
250051004	2011	12	9	5	V	8.0	0.3	1.45	189
250051004	2011	12	9	6	V	6.2	0.9	1.09	222
250051004	2011	12	9	7	V	9.3	0.9	1.04	230
250051004	2011	12	9	8	V	8.3	1.8	1.4	238
250051004	2011	12	9	9	V	7.2	2.9	0.63	296
250051004	2011	12	9	10	V	8.5	1.5	1.35	140
250051004	2011	12	9	11	V	8.6	4.4	4.61	189
250051004	2011	12	9	12	V	8.4	6.3	6.65	200
250051004	2011	12	9	13	V	8.8	2.9	7.26	204
250051004	2011	12	9	14	V	9.3	3.4	7.2	209
250051004	2011	12	9	15	V	8.0	0.7	6.99	211
250051004	2011	12	9	16	V	6.8	0.5	6.14	204
250051004	2011	12	9	17	V	8.9	0.4	4.66	193
250051004	2011	12	9	18	V	5.8	0.2	3.69	195
250051004	2011	12	9	19	V	4.4	0.1	2.86	201
250051004	2011	12	9	20	V	4.3	0.1	2.05	197
250051004	2011	12	9	21	V	4.1	0	1.52	226
250051004	2011	12	9	22	V	3.6	0.2	1.99	200
250051004	2011	12	9	23	V	3.7	0.2	2.1	190
250051004	2011	12	9	24	V	4.8	0.2	3.15	187
250051004	2011	12	10	1	V	4.1	0.1	3.08	201
250051004	2011	12	10	2	V	5.3	0.3	2.59	281

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	10	3	V	4.8	0.3	2.73	283
250051004	2011	12	10	4	V	7.3	0.7	2.47	305
250051004	2011	12	10	5	V	8.0	3.1	2.67	327
250051004	2011	12	10	6	V	6.2	6.2	1.77	348
250051004	2011	12	10	7	V	9.3	2	2.28	338
250051004	2011	12	10	8	V	8.3	2.3	3.13	328
250051004	2011	12	10	9	V	8.5	11.8	3.49	319
250051004	2011	12	10	10	V	8.9	6.1	3.75	313
250051004	2011	12	10	11	V	12.5	12.2	4.22	320
250051004	2011	12	10	12	V	9.1	16.6	4.82	312
250051004	2011	12	10	13	V	8.8	3.2	4.61	304
250051004	2011	12	10	14	V	9.7	4.3	4.71	311
250051004	2011	12	10	15	V	14.2	2	5.12	327
250051004	2011	12	10	16	V	7.8	1.6	5.46	325
250051004	2011	12	10	17	V	8.9	0.3	4.54	310
250051004	2011	12	10	18	V	5.8	0.2	3.8	310
250051004	2011	12	10	19	V	4.4	0.1	3.05	317
250051004	2011	12	10	20	V	4.3	0.4	3.34	313
250051004	2011	12	10	21	V	4.1	0.3	3.1	310
250051004	2011	12	10	22	V	3.6	-999	2.95	298
250051004	2011	12	10	23	V	3.7	2.6	3.27	313
250051004	2011	12	10	24	V	4.8	0.8	3.3	316
250051004	2011	12	11	1	V	4.1	11.2	2.74	314
250051004	2011	12	11	2	V	5.3	6.8	3.03	312
250051004	2011	12	11	3	V	4.8	8.4	2.9	316
250051004	2011	12	11	4	V	7.3	10.3	2.15	308
250051004	2011	12	11	5	V	8.0	3.4	2.18	292
250051004	2011	12	11	6	V	6.2	8.4	1.82	290
250051004	2011	12	11	7	V	9.3	7.6	1.57	305
250051004	2011	12	11	8	V	8.3	7.1	1.91	306
250051004	2011	12	11	9	V	7.2	7	1.59	314
250051004	2011	12	11	10	V	14.4	1.5	2.55	332
250051004	2011	12	11	11	V	9.1	2.1	2.62	354
250051004	2011	12	11	12	V	12.7	6.4	2.28	331
250051004	2011	12	11	13	V	13.0	4.7	2.21	327
250051004	2011	12	11	14	V	9.4	0.5	1.72	277
250051004	2011	12	11	15	V	8.0	0.1	2.15	233
250051004	2011	12	11	16	V	6.8	0.3	2.84	246
250051004	2011	12	11	17	V	8.9	0.4	1.98	238
250051004	2011	12	11	18	V	5.8	0.2	1.47	243
250051004	2011	12	11	19	V	4.4	0.4	1.37	251
250051004	2011	12	11	20	V	4.3	0.3	1.64	221
250051004	2011	12	11	21	V	4.1	0.7	1.14	239
250051004	2011	12	11	22	V	3.6	0.8	1.18	239
250051004	2011	12	11	23	V	3.7	0.9	1.59	267
250051004	2011	12	11	24	V	4.8	0.7	2.15	243

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	12	1	V	4.1	0.6	1.91	243
250051004	2011	12	12	2	V	5.3	0.4	1.21	229
250051004	2011	12	12	3	V	4.8	0.4	1.5	229
250051004	2011	12	12	4	V	7.3	0.8	1.45	215
250051004	2011	12	12	5	V	8.0	1.3	1.64	203
250051004	2011	12	12	6	V	6.2	2.3	1.89	189
250051004	2011	12	12	7	V	9.3	2.1	1.72	214
250051004	2011	12	12	8	V	8.3	3	2.13	225
250051004	2011	12	12	9	V	7.2	3.3	1.84	228
250051004	2011	12	12	10	V	8.1	2.4	3.23	241
250051004	2011	12	12	11	V	8.6	1.7	3.39	238
250051004	2011	12	12	12	V	8.5	4.3	3.32	253
250051004	2011	12	12	13	V	8.8	5.5	3.25	235
250051004	2011	12	12	14	V	9.3	1.9	4.32	210
250051004	2011	12	12	15	V	8.0	0.8	4.03	221
250051004	2011	12	12	16	V	6.8	0.8	3.39	211
250051004	2011	12	12	17	V	8.9	1.1	2.72	205
250051004	2011	12	12	18	V	5.8	1	2.57	208
250051004	2011	12	12	19	V	4.4	0.9	1.99	208
250051004	2011	12	12	20	V	4.3	1.4	1.76	159
250051004	2011	12	12	21	V	4.1	1.3	1.67	181
250051004	2011	12	12	22	V	3.6	1.5	1.42	160
250051004	2011	12	12	23	V	3.7	1.7	1.09	232
250051004	2011	12	12	24	V	4.8	1.4	2.57	256
250051004	2011	12	13	1	V	4.1	1.2	2.05	243
250051004	2011	12	13	2	V	5.3	1.7	1.04	234
250051004	2011	12	13	3	V	4.8	2	0.79	199
250051004	2011	12	13	4	V	7.3	2.7	0.92	204
250051004	2011	12	13	5	V	8.0	3.8	0.84	208
250051004	2011	12	13	6	V	6.2	4.4	2.45	259
250051004	2011	12	13	7	V	9.3	3.8	0.94	259
250051004	2011	12	13	8	V	8.3	5.1	1.28	273
250051004	2011	12	13	9	C	-999	7	0	0
250051004	2011	12	13	10	V	8.2	10.6	2.06	8
250051004	2011	12	13	11	V	8.6	5.3	2.95	356
250051004	2011	12	13	12	V	8.5	2.8	3.71	357
250051004	2011	12	13	13	V	10.5	2.4	4.17	342
250051004	2011	12	13	14	V	9.3	2.8	4.88	359
250051004	2011	12	13	15	V	8.0	2.7	4.9	17
250051004	2011	12	13	16	V	6.8	1.9	4.46	17
250051004	2011	12	13	17	V	8.9	2	4.25	4
250051004	2011	12	13	18	V	5.8	1.9	3.59	23
250051004	2011	12	13	19	V	4.4	1.7	2.72	5
250051004	2011	12	13	20	V	4.3	1.7	1.98	329
250051004	2011	12	13	21	V	4.1	1.3	1.37	287
250051004	2011	12	13	22	V	3.6	-999	1.42	304

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	13	23	V	3.7	1.8	2.3	288
250051004	2011	12	13	24	V	4.8	2.4	1.52	325
250051004	2011	12	14	1	V	4.1	2.2	1.98	349
250051004	2011	12	14	2	V	5.3	2.3	2.59	344
250051004	2011	12	14	3	V	4.8	2.1	3.05	346
250051004	2011	12	14	4	V	7.3	2	3.29	340
250051004	2011	12	14	5	V	8.0	2.2	3.42	335
250051004	2011	12	14	6	V	6.2	2.1	3.88	340
250051004	2011	12	14	7	V	9.3	1.9	3.46	352
250051004	2011	12	14	8	V	8.3	3.1	3.54	345
250051004	2011	12	14	9	V	7.2	2.7	3.49	347
250051004	2011	12	14	10	V	8.2	2.8	3.51	6
250051004	2011	12	14	11	V	8.6	2.8	4.19	24
250051004	2011	12	14	12	V	8.5	1.6	3.9	27
250051004	2011	12	14	13	V	8.8	1	3.61	27
250051004	2011	12	14	14	V	9.3	0.6	3.27	14
250051004	2011	12	14	15	V	8.0	0.5	2.93	16
250051004	2011	12	14	16	V	6.8	0.3	2.69	34
250051004	2011	12	14	17	V	8.9	0.2	2.45	52
250051004	2011	12	14	18	V	5.8	0.4	2.2	70
250051004	2011	12	14	19	V	4.4	0.6	1.42	67
250051004	2011	12	14	20	V	4.3	1.3	1.67	84
250051004	2011	12	14	21	V	4.1	0.8	1.91	101
250051004	2011	12	14	22	V	3.6	0.4	1.59	169
250051004	2011	12	14	23	V	3.7	0.8	1.67	145
250051004	2011	12	14	24	V	4.8	0.8	2.11	132
250051004	2011	12	15	1	V	4.1	0.6	3.27	139
250051004	2011	12	15	2	V	5.3	0.3	3.34	141
250051004	2011	12	15	3	V	4.8	0.1	3.27	158
250051004	2011	12	15	4	V	7.3	0.2	4.1	166
250051004	2011	12	15	5	V	8.0	0.4	3.56	181
250051004	2011	12	15	6	V	6.2	0.1	3.81	182
250051004	2011	12	15	7	V	9.3	0.1	4.61	185
250051004	2011	12	15	8	V	8.3	0.3	4.49	178
250051004	2011	12	15	9	V	7.2	0.3	4.71	179
250051004	2011	12	15	10	V	8.1	0.5	4.9	186
250051004	2011	12	15	11	V	8.6	4.8	7.76	195
250051004	2011	12	15	12	V	8.4	6.6	9.54	199
250051004	2011	12	15	13	V	8.8	6.1	10.04	202
250051004	2011	12	15	14	V	9.3	1	9.02	205
250051004	2011	12	15	15	V	8.0	0.7	7.93	209
250051004	2011	12	15	16	V	6.8	0.7	8.96	201
250051004	2011	12	15	17	V	8.9	0.6	8.67	206
250051004	2011	12	15	18	V	5.8	0.8	8.64	209
250051004	2011	12	15	19	V	4.4	0.8	8.18	216
250051004	2011	12	15	20	V	4.3	0.9	7.4	226

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	15	21	V	4.1	0.7	7.59	226
250051004	2011	12	15	22	V	3.6	0.8	7.31	228
250051004	2011	12	15	23	V	3.7	0.9	6.63	234
250051004	2011	12	15	24	V	4.8	0.7	4.83	230
250051004	2011	12	16	1	V	4.1	1	5.65	245
250051004	2011	12	16	2	V	5.3	1	5.99	238
250051004	2011	12	16	3	V	4.8	1.2	6.09	232
250051004	2011	12	16	4	V	7.3	1.2	6.23	230
250051004	2011	12	16	5	V	8.0	1.8	8.05	236
250051004	2011	12	16	6	V	6.2	1.5	8.52	268
250051004	2011	12	16	7	V	9.3	1	8.1	289
250051004	2011	12	16	8	V	8.3	1	7.55	306
250051004	2011	12	16	9	V	7.2	0.7	8.86	301
250051004	2011	12	16	10	V	8.1	0.7	9.32	295
250051004	2011	12	16	11	V	8.6	0.6	8.54	290
250051004	2011	12	16	12	V	8.4	0.5	9.2	286
250051004	2011	12	16	13	V	8.8	0.6	8.05	297
250051004	2011	12	16	14	V	9.3	1	7.88	295
250051004	2011	12	16	15	V	8.0	0.9	7.21	303
250051004	2011	12	16	16	V	6.8	0.7	6.07	302
250051004	2011	12	16	17	V	8.9	0.7	4.15	290
250051004	2011	12	16	18	V	5.8	1	3.15	271
250051004	2011	12	16	19	V	4.4	0.7	3.32	289
250051004	2011	12	16	20	V	4.3	0.7	3.9	298
250051004	2011	12	16	21	V	4.1	1.3	3.3	285
250051004	2011	12	16	22	V	3.6	-999	3.15	282
250051004	2011	12	16	23	V	3.7	1.4	2.73	283
250051004	2011	12	16	24	V	4.8	1	3.05	285
250051004	2011	12	17	1	V	4.1	0.7	1.91	288
250051004	2011	12	17	2	V	5.3	1	1.6	268
250051004	2011	12	17	3	V	4.8	1.4	3.51	269
250051004	2011	12	17	4	V	7.3	0.8	2.89	264
250051004	2011	12	17	5	V	8.0	0.8	1.35	269
250051004	2011	12	17	6	V	6.2	2.6	1.55	253
250051004	2011	12	17	7	V	9.3	1.7	1.72	269
250051004	2011	12	17	8	V	8.3	2.5	1.45	272
250051004	2011	12	17	9	V	7.2	3.6	2.3	285
250051004	2011	12	17	10	V	9.6	3.4	2.45	303
250051004	2011	12	17	11	V	31.2	1.8	4.44	329
250051004	2011	12	17	12	V	13.1	4.7	4.32	339
250051004	2011	12	17	13	V	10.4	1.6	4.97	339
250051004	2011	12	17	14	V	9.3	2.1	5.5	346
250051004	2011	12	17	15	V	9.4	8.6	4.31	336
250051004	2011	12	17	16	V	7.3	4	5.02	323
250051004	2011	12	17	17	V	8.9	1	4.87	333
250051004	2011	12	17	18	V	5.8	0.7	4.92	347

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	17	19	V	4.4	0.5	6.38	358
250051004	2011	12	17	20	V	4.3	0.5	6.55	7
250051004	2011	12	17	21	V	4.1	0.4	6.29	360
250051004	2011	12	17	22	V	3.6	0.4	5.63	2
250051004	2011	12	17	23	V	3.7	0.4	5.29	7
250051004	2011	12	17	24	V	4.8	0.4	5.56	354
250051004	2011	12	18	1	V	4.1	0.4	4.78	349
250051004	2011	12	18	2	V	5.3	0.4	5.36	348
250051004	2011	12	18	3	V	4.8	0.5	5.39	355
250051004	2011	12	18	4	V	7.3	0.5	6.46	352
250051004	2011	12	18	5	V	8.0	0.5	6.33	357
250051004	2011	12	18	6	V	6.2	0.6	5.85	346
250051004	2011	12	18	7	V	9.3	0.5	5.5	345
250051004	2011	12	18	8	V	8.3	0.7	5.24	342
250051004	2011	12	18	9	V	7.2	0.7	5.96	352
250051004	2011	12	18	10	V	8.2	0.7	6.75	356
250051004	2011	12	18	11	V	8.6	0.7	6.14	351
250051004	2011	12	18	12	V	8.5	0.6	6.35	351
250051004	2011	12	18	13	V	8.8	0.8	6.43	356
250051004	2011	12	18	14	V	9.3	0.7	5.73	353
250051004	2011	12	18	15	V	8.0	0.4	5.38	358
250051004	2011	12	18	16	V	6.8	0.3	5.36	350
250051004	2011	12	18	17	V	8.9	0.3	4.39	357
250051004	2011	12	18	18	V	5.8	0	3.12	360
250051004	2011	12	18	19	V	4.4	0.5	2.13	319
250051004	2011	12	18	20	V	4.3	0.5	2.25	338
250051004	2011	12	18	21	V	4.1	0.9	2.49	346
250051004	2011	12	18	22	V	3.6	1.1	2.18	313
250051004	2011	12	18	23	V	3.7	1.7	2.18	289
250051004	2011	12	18	24	V	4.8	2	1.5	287
250051004	2011	12	19	1	V	4.1	1.8	1.13	214
250051004	2011	12	19	2	V	5.3	1.4	2.38	268
250051004	2011	12	19	3	V	4.8	2.2	1.93	258
250051004	2011	12	19	4	V	7.3	-999	1.67	244
250051004	2011	12	19	5	V	8.0	2	1.53	250
250051004	2011	12	19	6	V	6.2	1.8	1.14	242
250051004	2011	12	19	7	V	9.3	2.8	1.47	249
250051004	2011	12	19	8	V	8.3	3.3	1.4	251
250051004	2011	12	19	9	V	7.2	3.1	0.82	214
250051004	2011	12	19	10	V	8.2	3.6	3.64	186
250051004	2011	12	19	11	V	8.6	5.3	5.8	215
250051004	2011	12	19	12	V	8.5	2.5	8.32	227
250051004	2011	12	19	13	V	8.8	2.4	8.59	225
250051004	2011	12	19	14	V	9.3	-999	8.08	217
250051004	2011	12	19	15	V	8.0	-999	8.47	217
250051004	2011	12	19	16	V	6.8	2	8	220

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	19	17	V	8.9	1.8	7.3	222
250051004	2011	12	19	18	V	5.8	1.6	6.31	225
250051004	2011	12	19	19	V	4.4	1.4	5.82	231
250051004	2011	12	19	20	V	4.3	1.6	4.66	222
250051004	2011	12	19	21	V	4.1	1.6	4.31	222
250051004	2011	12	19	22	V	3.6	-999	4.32	224
250051004	2011	12	19	23	V	3.7	1.7	4.05	233
250051004	2011	12	19	24	V	4.8	2	3.76	221
250051004	2011	12	20	1	V	4.1	2.1	3.54	236
250051004	2011	12	20	2	V	5.3	2.2	2.78	269
250051004	2011	12	20	3	V	4.8	2.6	3.05	266
250051004	2011	12	20	4	V	7.3	2.6	3.35	257
250051004	2011	12	20	5	V	8.0	2.3	3.73	266
250051004	2011	12	20	6	V	6.2	2.2	3.97	276
250051004	2011	12	20	7	V	9.3	1.6	4.8	288
250051004	2011	12	20	8	V	8.3	2.5	4.63	304
250051004	2011	12	20	9	V	9.8	19.8	4.63	331
250051004	2011	12	20	10	V	8.1	1.6	6.52	348
250051004	2011	12	20	11	V	8.6	1.4	5.29	351
250051004	2011	12	20	12	V	10.0	11.2	3.8	344
250051004	2011	12	20	13	V	9.4	7.7	4.73	347
250051004	2011	12	20	14	V	20.9	1.3	3.8	323
250051004	2011	12	20	15	V	8.1	1.7	2.27	269
250051004	2011	12	20	16	V	6.8	1.1	1.91	234
250051004	2011	12	20	17	V	8.9	1.9	1.3	167
250051004	2011	12	20	18	V	5.8	2.2	1.2	63
250051004	2011	12	20	19	V	4.4	2.3	0.62	218
250051004	2011	12	20	20	V	4.4	2.7	0.97	322
250051004	2011	12	20	21	V	4.1	1.5	0.87	243
250051004	2011	12	20	22	V	3.6	1.1	0.7	357
250051004	2011	12	20	23	V	3.7	1.2	1.11	273
250051004	2011	12	20	24	V	4.8	0.9	1.06	312
250051004	2011	12	21	1	V	4.2	0.6	0.55	328
250051004	2011	12	21	2	V	5.3	0.6	1.59	286
250051004	2011	12	21	3	V	4.8	0.8	1.11	8
250051004	2011	12	21	4	V	7.3	0.7	0.72	343
250051004	2011	12	21	5	V	8.0	0.5	1.14	257
250051004	2011	12	21	6	V	6.2	1	0.94	228
250051004	2011	12	21	7	V	9.3	0.9	1.26	215
250051004	2011	12	21	8	V	8.3	0.6	1.04	192
250051004	2011	12	21	9	V	7.2	0.6	1.65	189
250051004	2011	12	21	10	V	8.2	0.6	2.44	180
250051004	2011	12	21	11	V	8.6	1.1	4.36	185
250051004	2011	12	21	12	V	8.4	2.3	5.77	184
250051004	2011	12	21	13	V	8.8	1.3	5.38	186
250051004	2011	12	21	14	V	9.3	2.3	5.73	197

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	21	15	V	8.0	2.2	6.99	199
250051004	2011	12	21	16	V	6.8	2.1	6.46	200
250051004	2011	12	21	17	V	8.9	0.8	6.91	211
250051004	2011	12	21	18	V	5.8	0.8	6.96	211
250051004	2011	12	21	19	V	4.4	0.7	5.85	206
250051004	2011	12	21	20	V	4.3	0.9	5.33	208
250051004	2011	12	21	21	V	4.1	0.7	5.48	217
250051004	2011	12	21	22	V	3.6	0.7	6.82	221
250051004	2011	12	21	23	V	3.7	0.6	6.79	225
250051004	2011	12	21	24	V	4.8	0.8	7.83	211
250051004	2011	12	22	1	V	4.1	0.8	8.72	255
250051004	2011	12	22	2	V	5.3	0.9	5.65	254
250051004	2011	12	22	3	V	4.8	0.8	6.84	256
250051004	2011	12	22	4	V	7.3	0.9	4.71	264
250051004	2011	12	22	5	V	8.0	0.9	4.36	246
250051004	2011	12	22	6	V	6.2	0.7	4.15	257
250051004	2011	12	22	7	V	9.3	0.8	2.95	281
250051004	2011	12	22	8	V	8.3	0.7	4.53	266
250051004	2011	12	22	9	V	7.2	0.9	6.65	293
250051004	2011	12	22	10	V	8.1	1.4	7.54	301
250051004	2011	12	22	11	V	8.6	0.8	7.84	294
250051004	2011	12	22	12	V	8.4	0.8	7.31	300
250051004	2011	12	22	13	V	8.8	0.8	6.16	305
250051004	2011	12	22	14	V	9.3	0.6	5.39	291
250051004	2011	12	22	15	V	8.0	0.8	4.7	295
250051004	2011	12	22	16	V	6.8	0.6	4.73	298
250051004	2011	12	22	17	V	8.9	0.9	3.13	292
250051004	2011	12	22	18	V	5.8	1	2.44	306
250051004	2011	12	22	19	V	4.4	1.4	1.28	295
250051004	2011	12	22	20	V	4.3	1.2	1.71	161
250051004	2011	12	22	21	V	4.1	1	2.04	198
250051004	2011	12	22	22	C	-999	-999	0	0
250051004	2011	12	22	23	V	3.7	0.9	0.99	176
250051004	2011	12	22	24	V	4.8	1.4	1.18	190
250051004	2011	12	23	1	V	4.1	1.2	1.3	358
250051004	2011	12	23	2	V	5.3	1.2	2.84	57
250051004	2011	12	23	3	V	4.8	1	1.96	44
250051004	2011	12	23	4	V	7.3	0.9	2.95	45
250051004	2011	12	23	5	V	8.0	0.7	4.07	47
250051004	2011	12	23	6	V	6.2	0.6	5.63	28
250051004	2011	12	23	7	V	9.3	0.7	4.83	31
250051004	2011	12	23	8	V	8.3	0.9	5.19	14
250051004	2011	12	23	9	V	7.2	0.9	6.02	12
250051004	2011	12	23	10	V	8.1	0.9	5.87	356
250051004	2011	12	23	11	V	8.6	1	4.66	347
250051004	2011	12	23	12	V	10.7	5.3	4.36	335

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	23	13	V	12.7	12	3.8	332
250051004	2011	12	23	14	V	10.0	3.9	4.8	317
250051004	2011	12	23	15	V	8.2	11.4	4.8	313
250051004	2011	12	23	16	V	6.8	8.2	4.7	313
250051004	2011	12	23	17	V	8.9	6.7	4.6	303
250051004	2011	12	23	18	V	5.8	2.9	3.85	311
250051004	2011	12	23	19	V	4.4	1.1	3.03	297
250051004	2011	12	23	20	V	4.3	1	4.31	293
250051004	2011	12	23	21	V	4.2	5	5.41	323
250051004	2011	12	23	22	V	3.7	6.4	5.33	325
250051004	2011	12	23	23	V	3.7	1.7	2.38	328
250051004	2011	12	23	24	V	4.8	0.8	2.2	332
250051004	2011	12	24	1	V	4.1	0.7	3.12	337
250051004	2011	12	24	2	V	5.3	0.2	4.31	4
250051004	2011	12	24	3	V	4.8	0.6	4.87	17
250051004	2011	12	24	4	V	7.3	0.5	3.95	17
250051004	2011	12	24	5	V	8.0	0.6	2.79	14
250051004	2011	12	24	6	V	6.2	0.6	4.07	28
250051004	2011	12	24	7	V	9.3	0.8	4.32	32
250051004	2011	12	24	8	V	8.3	0.7	4.51	20
250051004	2011	12	24	9	V	7.2	2.5	4.95	9
250051004	2011	12	24	10	V	8.1	0.7	5.33	2
250051004	2011	12	24	11	V	8.6	0.3	5.63	353
250051004	2011	12	24	12	V	8.4	0.4	5.19	11
250051004	2011	12	24	13	V	8.8	0.6	4.54	4
250051004	2011	12	24	14	V	9.3	0.6	4.82	358
250051004	2011	12	24	15	V	8.0	0.4	4.44	358
250051004	2011	12	24	16	V	6.8	0.3	4.07	17
250051004	2011	12	24	17	V	8.9	0.5	3.49	38
250051004	2011	12	24	18	V	5.8	0.5	2.88	41
250051004	2011	12	24	19	V	4.4	0.6	3.18	45
250051004	2011	12	24	20	V	4.3	0.7	2.81	44
250051004	2011	12	24	21	V	4.1	0.7	2.11	58
250051004	2011	12	24	22	V	3.6	0.7	1.81	44
250051004	2011	12	24	23	V	3.7	0.6	1.62	327
250051004	2011	12	24	24	V	4.8	2.2	2.42	360
250051004	2011	12	25	1	V	4.1	1.5	2.96	341
250051004	2011	12	25	2	V	5.3	1.8	2.45	11
250051004	2011	12	25	3	V	4.8	2.1	2.49	12
250051004	2011	12	25	4	V	7.3	2	1.98	355
250051004	2011	12	25	5	V	8.0	1.9	1.65	350
250051004	2011	12	25	6	V	6.2	2.3	1.94	337
250051004	2011	12	25	7	V	9.3	3	1.71	19
250051004	2011	12	25	8	V	8.3	1.5	2.38	347
250051004	2011	12	25	9	V	7.2	1.7	2.4	2
250051004	2011	12	25	10	V	9.8	1.3	2.1	344

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	25	11	V	14.1	1.4	1.69	325
250051004	2011	12	25	12	V	10.5	3.6	0.86	61
250051004	2011	12	25	13	V	9.2	2.1	0.96	119
250051004	2011	12	25	14	V	9.3	2.4	1.77	126
250051004	2011	12	25	15	V	8.0	1.4	2.13	134
250051004	2011	12	25	16	V	6.8	1.1	3.03	174
250051004	2011	12	25	17	V	8.9	1.1	3.61	189
250051004	2011	12	25	18	V	5.8	1.2	2.84	185
250051004	2011	12	25	19	V	4.4	1.2	3.61	199
250051004	2011	12	25	20	V	4.3	1.3	2.78	210
250051004	2011	12	25	21	V	4.1	1.2	3.29	219
250051004	2011	12	25	22	V	3.6	-999	2.78	223
250051004	2011	12	25	23	V	3.7	1.2	2.22	227
250051004	2011	12	25	24	V	4.8	1.3	2.78	260
250051004	2011	12	26	1	V	4.1	1.3	2.01	219
250051004	2011	12	26	2	V	5.3	1.2	1.59	257
250051004	2011	12	26	3	V	4.8	1.5	2.15	284
250051004	2011	12	26	4	V	7.3	2.2	3.24	282
250051004	2011	12	26	5	V	8.0	2	3.07	294
250051004	2011	12	26	6	V	6.2	2.2	3.46	295
250051004	2011	12	26	7	V	9.3	2	3.73	289
250051004	2011	12	26	8	V	8.3	1.9	4.02	300
250051004	2011	12	26	9	V	7.6	2.7	5.48	316
250051004	2011	12	26	10	V	9.7	20.6	6.58	336
250051004	2011	12	26	11	V	11.7	3.2	8.08	333
250051004	2011	12	26	12	V	8.5	8.8	8.37	346
250051004	2011	12	26	13	V	12.4	9.4	7.09	332
250051004	2011	12	26	14	V	13.6	6	6.74	330
250051004	2011	12	26	15	V	9.9	9.2	6.99	335
250051004	2011	12	26	16	V	6.9	1.4	5.89	332
250051004	2011	12	26	17	V	8.9	1.5	4.17	321
250051004	2011	12	26	18	V	5.8	1	3.01	299
250051004	2011	12	26	19	V	4.4	0.9	2.03	287
250051004	2011	12	26	20	V	4.3	1.2	1.69	275
250051004	2011	12	26	21	V	4.1	1.4	1.91	248
250051004	2011	12	26	22	V	3.6	3.3	1.26	184
250051004	2011	12	26	23	V	3.7	1.2	1.48	210
250051004	2011	12	26	24	V	4.8	1.7	2.27	266
250051004	2011	12	27	1	V	4.1	1.8	1.65	214
250051004	2011	12	27	2	V	5.3	1.3	1.93	229
250051004	2011	12	27	3	V	4.8	1.2	1.84	229
250051004	2011	12	27	4	V	7.3	10.2	2.16	194
250051004	2011	12	27	5	V	8.0	12.2	1.25	251
250051004	2011	12	27	6	V	6.2	4.5	1.08	233
250051004	2011	12	27	7	V	9.3	7.6	1.82	185
250051004	2011	12	27	8	V	8.3	3.7	1.94	204

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	27	9	V	7.2	6.7	2.81	212
250051004	2011	12	27	10	V	8.1	3	4	205
250051004	2011	12	27	11	V	8.6	2.4	3.57	196
250051004	2011	12	27	12	V	8.4	3.6	3.91	187
250051004	2011	12	27	13	V	8.8	3.8	4.83	202
250051004	2011	12	27	14	V	9.3	1.3	3.74	184
250051004	2011	12	27	15	V	8.0	1	3.15	166
250051004	2011	12	27	16	V	6.8	1	4.2	165
250051004	2011	12	27	17	V	8.9	1	4.32	154
250051004	2011	12	27	18	V	5.8	0.9	6.48	154
250051004	2011	12	27	19	V	4.4	1	8.35	153
250051004	2011	12	27	20	V	4.3	1	8.69	148
250051004	2011	12	27	21	V	4.1	1	11.16	144
250051004	2011	12	27	22	V	3.6	1.1	11.53	153
250051004	2011	12	27	23	V	3.7	1.1	11.94	165
250051004	2011	12	27	24	V	4.8	1.4	11.97	170
250051004	2011	12	28	1	V	4.1	1.3	8.86	198
250051004	2011	12	28	2	V	5.3	1.3	6.38	211
250051004	2011	12	28	3	V	4.8	1.2	5.29	222
250051004	2011	12	28	4	V	7.3	1.5	4.82	219
250051004	2011	12	28	5	V	8.0	1.9	4.24	226
250051004	2011	12	28	6	V	6.2	1.9	4.39	230
250051004	2011	12	28	7	V	9.3	1.6	4.27	239
250051004	2011	12	28	8	V	8.3	2	5.5	254
250051004	2011	12	28	9	V	7.2	2.3	5.41	259
250051004	2011	12	28	10	V	8.1	2.1	5.6	259
250051004	2011	12	28	11	V	8.6	2.1	5.73	272
250051004	2011	12	28	12	V	8.5	2.4	6.38	269
250051004	2011	12	28	13	V	8.8	2.5	6.02	278
250051004	2011	12	28	14	V	9.3	2.3	7.18	282
250051004	2011	12	28	15	V	8.0	2	8.44	292
250051004	2011	12	28	16	V	6.8	2.1	7.28	291
250051004	2011	12	28	17	V	8.9	1.9	8.62	274
250051004	2011	12	28	18	V	5.8	1.4	8.03	273
250051004	2011	12	28	19	V	4.4	1.5	7.21	277
250051004	2011	12	28	20	V	4.3	1.4	9.3	278
250051004	2011	12	28	21	V	4.1	1.6	8.39	283
250051004	2011	12	28	22	V	3.6	-999	6.62	286
250051004	2011	12	28	23	V	3.7	0.9	7.54	288
250051004	2011	12	28	24	V	4.8	1	6.75	284
250051004	2011	12	29	1	V	4.1	1.3	6.11	286
250051004	2011	12	29	2	V	5.3	1.3	7.13	284
250051004	2011	12	29	3	V	4.8	1.3	7.6	286
250051004	2011	12	29	4	V	7.3	1.4	7.84	297
250051004	2011	12	29	5	V	8.0	1.3	7.18	289
250051004	2011	12	29	6	V	6.2	1.6	6.48	288

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	29	7	V	9.3	1.2	5.62	281
250051004	2011	12	29	8	V	8.3	1.2	5.21	279
250051004	2011	12	29	9	V	7.2	1.2	6.55	278
250051004	2011	12	29	10	V	8.2	1.2	6.48	284
250051004	2011	12	29	11	V	8.7	1	5.22	285
250051004	2011	12	29	12	V	8.6	1	5.8	264
250051004	2011	12	29	13	V	8.9	1	6.06	256
250051004	2011	12	29	14	V	9.4	1.3	5.8	256
250051004	2011	12	29	15	V	8.1	1.1	5.34	256
250051004	2011	12	29	16	V	6.8	1.3	4.56	255
250051004	2011	12	29	17	V	8.9	1.5	3.59	241
250051004	2011	12	29	18	V	5.8	1.3	3.51	239
250051004	2011	12	29	19	V	4.4	1.6	3.86	233
250051004	2011	12	29	20	V	4.3	1.3	3.01	244
250051004	2011	12	29	21	V	4.1	1.4	3.61	250
250051004	2011	12	29	22	V	3.6	1.7	2.47	263
250051004	2011	12	29	23	V	3.7	1.3	1.47	239
250051004	2011	12	29	24	V	4.8	1.4	1.52	263
250051004	2011	12	30	1	V	4.1	1.8	1.38	211
250051004	2011	12	30	2	V	5.3	2.1	0.89	218
250051004	2011	12	30	3	V	4.8	2.5	0.74	203
250051004	2011	12	30	4	V	7.3	2.5	1.04	154
250051004	2011	12	30	5	V	8.0	3.4	0.63	223
250051004	2011	12	30	6	C	-999	3.3	0	0
250051004	2011	12	30	7	V	9.3	3.3	0.7	150
250051004	2011	12	30	8	V	8.3	3.4	1.13	283
250051004	2011	12	30	9	V	7.2	3	0.69	319
250051004	2011	12	30	10	V	8.5	2.2	1.87	342
250051004	2011	12	30	11	V	8.8	8.4	2.25	9
250051004	2011	12	30	12	V	9.2	6.2	2.08	26
250051004	2011	12	30	13	V	9.2	7.2	2.55	2
250051004	2011	12	30	14	V	9.3	8.1	3.9	285
250051004	2011	12	30	15	V	8.0	2.8	6.35	200
250051004	2011	12	30	16	V	6.8	0.8	4.83	196
250051004	2011	12	30	17	V	8.9	0.8	1.57	159
250051004	2011	12	30	18	V	5.8	1.3	2.88	5
250051004	2011	12	30	19	V	4.4	0.8	2.79	350
250051004	2011	12	30	20	V	4.3	1	2.47	350
250051004	2011	12	30	21	V	4.1	0.6	2.47	344
250051004	2011	12	30	22	V	3.6	0.7	2.79	349
250051004	2011	12	30	23	V	3.7	1.3	2.16	349
250051004	2011	12	30	24	V	4.8	1.8	2.45	352
250051004	2011	12	31	1	V	4.1	2.3	2.52	349
250051004	2011	12	31	2	V	5.3	2.2	2.54	357
250051004	2011	12	31	3	V	4.8	1.8	2.91	354
250051004	2011	12	31	4	V	7.3	1.6	3.66	1

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2011	12	31	5	V	8.0	1.6	3.18	360
250051004	2011	12	31	6	V	6.2	2	2.64	349
250051004	2011	12	31	7	V	9.3	2.3	2.86	355
250051004	2011	12	31	8	V	8.3	2.5	2.25	340
250051004	2011	12	31	9	V	7.2	2.9	2.57	5
250051004	2011	12	31	10	V	8.1	4.5	2.57	349
250051004	2011	12	31	11	V	8.6	3	2.55	350
250051004	2011	12	31	12	V	8.4	2.8	3.13	358
250051004	2011	12	31	13	V	8.8	2.6	2.13	28
250051004	2011	12	31	14	V	9.3	2.4	1.09	17
250051004	2011	12	31	15	V	8.0	2.5	2.76	5
250051004	2011	12	31	16	V	6.8	2.1	3.83	357
250051004	2011	12	31	17	V	8.9	2.2	3.9	349
250051004	2011	12	31	18	V	5.8	1.5	2.88	338
250051004	2011	12	31	19	V	4.4	1.5	3.23	347
250051004	2011	12	31	20	V	4.3	6.1	1.7	348
250051004	2011	12	31	21	V	4.1	4.1	1.81	313
250051004	2011	12	31	22	V	3.6	-999	1.26	329
250051004	2011	12	31	23	V	3.7	1.7	2.4	310
250051004	2011	12	31	24	V	4.8	1.4	2.37	310
250051004	2012	1	1	1	V	4.1	1.3	1.76	271
250051004	2012	1	1	2	V	5.3	1.1	3.64	282
250051004	2012	1	1	3	V	4.8	1.2	3.51	271
250051004	2012	1	1	4	V	7.3	1.9	2.76	255
250051004	2012	1	1	5	V	8.0	1.4	2.91	268
250051004	2012	1	1	6	V	6.2	1.3	1.42	300
250051004	2012	1	1	7	V	9.3	1.4	1.43	200
250051004	2012	1	1	8	V	8.3	1.3	1.43	255
250051004	2012	1	1	9	V	7.2	1.9	3.29	256
250051004	2012	1	1	10	V	8.1	2.4	4.61	263
250051004	2012	1	1	11	V	8.6	1.9	5.34	264
250051004	2012	1	1	12	V	8.5	1.7	3.68	242
250051004	2012	1	1	13	V	8.8	1.4	3.97	200
250051004	2012	1	1	14	V	9.3	1.1	5.09	198
250051004	2012	1	1	15	V	8.0	1.1	6.7	208
250051004	2012	1	1	16	V	6.8	0.8	6.24	189
250051004	2012	1	1	17	V	8.9	0.9	5.09	179
250051004	2012	1	1	18	V	5.8	1	5.72	190
250051004	2012	1	1	19	V	4.4	0.9	5.04	201
250051004	2012	1	1	20	V	4.3	0.9	4.2	179
250051004	2012	1	1	21	V	4.1	1	4.32	187
250051004	2012	1	1	22	V	3.6	1.2	4.76	183
250051004	2012	1	1	23	V	3.7	0.9	4.32	189
250051004	2012	1	1	24	V	4.8	1.1	5.53	206
250051004	2012	1	2	1	V	4.1	1	4.66	212
250051004	2012	1	2	2	V	5.3	1.3	5.36	230

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	2	3	V	4.8	1.2	4.83	242
250051004	2012	1	2	4	V	7.3	-999	6.06	243
250051004	2012	1	2	5	V	8.0	1.4	5.85	254
250051004	2012	1	2	6	V	6.2	1.2	4.9	259
250051004	2012	1	2	7	V	9.3	1.4	4.51	284
250051004	2012	1	2	8	V	8.3	1.3	4.2	243
250051004	2012	1	2	9	V	7.2	1.2	5.67	247
250051004	2012	1	2	10	V	8.1	1.1	8.18	257
250051004	2012	1	2	11	V	8.6	1.2	7.81	269
250051004	2012	1	2	12	V	8.5	1.1	7.57	266
250051004	2012	1	2	13	V	8.8	1.2	6.45	274
250051004	2012	1	2	14	V	9.3	1.2	6.35	277
250051004	2012	1	2	15	V	8.0	1.3	6.99	275
250051004	2012	1	2	16	V	6.8	1.1	6.91	262
250051004	2012	1	2	17	V	8.9	1	5.07	267
250051004	2012	1	2	18	V	5.8	1.1	4.07	250
250051004	2012	1	2	19	V	4.4	1.1	2.49	228
250051004	2012	1	2	20	V	4.3	1.2	2.78	236
250051004	2012	1	2	21	V	4.1	1.2	3.25	243
250051004	2012	1	2	22	V	3.6	1.3	3.29	241
250051004	2012	1	2	23	V	3.7	1.2	3.03	253
250051004	2012	1	2	24	V	4.8	1.3	3.29	247
250051004	2012	1	3	1	V	4.1	1.1	3.12	266
250051004	2012	1	3	2	V	5.3	1.5	2.47	259
250051004	2012	1	3	3	V	4.8	1.5	2.86	269
250051004	2012	1	3	4	V	7.3	1.2	2.78	264
250051004	2012	1	3	5	V	8.0	1.5	1.84	249
250051004	2012	1	3	6	V	6.2	2.1	1.55	266
250051004	2012	1	3	7	V	9.3	3.2	3.18	306
250051004	2012	1	3	8	V	8.3	5	4.95	313
250051004	2012	1	3	9	V	7.3	5.8	5.22	311
250051004	2012	1	3	10	V	34.1	7.2	5.89	324
250051004	2012	1	3	11	V	17.2	19.9	5.44	336
250051004	2012	1	3	12	V	43.4	36.8	5.85	324
250051004	2012	1	3	13	V	41.7	15.7	4.97	323
250051004	2012	1	3	14	V	47.1	14.1	5.65	329
250051004	2012	1	3	15	V	37.4	15	5.38	330
250051004	2012	1	3	16	V	7.3	3.4	6.23	335
250051004	2012	1	3	17	V	9.0	22.5	6.36	333
250051004	2012	1	3	18	V	6.5	28.4	6.04	328
250051004	2012	1	3	19	V	4.5	39.9	5.97	330
250051004	2012	1	3	20	V	4.9	15.8	5.94	327
250051004	2012	1	3	21	V	4.1	26.8	6.89	333
250051004	2012	1	3	22	V	3.6	-999	6.04	339
250051004	2012	1	3	23	V	3.7	38.5	6.07	338
250051004	2012	1	3	24	V	5.1	77.5	6.97	330

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	4	1	V	4.1	35.4	6.04	332
250051004	2012	1	4	2	V	5.3	8.9	4.34	322
250051004	2012	1	4	3	V	4.8	18.3	4.71	309
250051004	2012	1	4	4	V	7.3	28.5	4.44	314
250051004	2012	1	4	5	V	8.0	36.2	4.41	313
250051004	2012	1	4	6	V	6.2	22.5	4.56	312
250051004	2012	1	4	7	V	9.3	17.9	4.48	309
250051004	2012	1	4	8	V	8.3	23.4	4.26	310
250051004	2012	1	4	9	V	7.2	23.7	4.77	305
250051004	2012	1	4	10	V	34.8	29.6	4.42	320
250051004	2012	1	4	11	V	22.3	14.1	4.78	315
250051004	2012	1	4	12	V	9.9	2.4	3.8	303
250051004	2012	1	4	13	V	9.5	2.5	2.96	294
250051004	2012	1	4	14	V	9.5	2.1	3.25	267
250051004	2012	1	4	15	V	8.0	1.5	3.66	246
250051004	2012	1	4	16	V	6.8	1.6	2.4	244
250051004	2012	1	4	17	V	8.9	2	3.39	234
250051004	2012	1	4	18	V	5.8	1.8	3.22	217
250051004	2012	1	4	19	V	4.4	1.9	3.12	222
250051004	2012	1	4	20	V	4.3	2	2.37	241
250051004	2012	1	4	21	V	4.1	1.9	2.91	227
250051004	2012	1	4	22	V	3.6	0.9	2.42	239
250051004	2012	1	4	23	V	3.7	2.4	2.76	253
250051004	2012	1	4	24	V	4.8	3.6	3.58	263
250051004	2012	1	5	1	V	4.1	4.4	3.66	253
250051004	2012	1	5	2	V	5.3	4.1	4.48	244
250051004	2012	1	5	3	V	4.8	4.4	4.68	245
250051004	2012	1	5	4	V	7.3	4.1	4.99	257
250051004	2012	1	5	5	V	8.0	4.2	4.68	266
250051004	2012	1	5	6	V	6.2	4.8	2.66	276
250051004	2012	1	5	7	V	9.3	5	2.15	270
250051004	2012	1	5	8	V	8.3	4.7	2.59	260
250051004	2012	1	5	9	V	7.2	5.6	2.52	251
250051004	2012	1	5	10	V	8.3	4.6	2.76	247
250051004	2012	1	5	11	V	8.8	4.7	3.25	247
250051004	2012	1	5	12	V	8.6	4.7	4.34	246
250051004	2012	1	5	13	V	8.9	4.5	5.29	262
250051004	2012	1	5	14	V	9.3	3	5.7	278
250051004	2012	1	5	15	V	8.0	2.8	5.31	287
250051004	2012	1	5	16	V	6.8	2.7	5.05	294
250051004	2012	1	5	17	V	8.9	2.5	3.2	275
250051004	2012	1	5	18	V	5.8	3.3	2.1	258
250051004	2012	1	5	19	V	4.4	2.9	4.2	298
250051004	2012	1	5	20	V	4.3	1.7	5.7	303
250051004	2012	1	5	21	V	4.1	1.2	4.66	291
250051004	2012	1	5	22	V	3.6	1.2	3.97	296

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	5	23	V	3.7	1.2	3.32	283
250051004	2012	1	5	24	V	4.8	2.3	3.17	271
250051004	2012	1	6	1	V	4.1	1.1	2.37	273
250051004	2012	1	6	2	V	5.3	2.7	1.06	278
250051004	2012	1	6	3	V	4.8	2.9	0.92	247
250051004	2012	1	6	4	V	7.3	1.8	1.2	223
250051004	2012	1	6	5	V	8.0	3.2	1.23	177
250051004	2012	1	6	6	V	6.2	3	1.55	172
250051004	2012	1	6	7	V	9.3	2.2	1.53	196
250051004	2012	1	6	8	V	8.3	3.2	0.86	108
250051004	2012	1	6	9	V	7.2	4.2	0.77	128
250051004	2012	1	6	10	V	8.2	4.6	3.01	174
250051004	2012	1	6	11	V	8.6	7.1	5.38	195
250051004	2012	1	6	12	V	8.5	5	7.01	208
250051004	2012	1	6	13	V	8.8	2.3	6.74	214
250051004	2012	1	6	14	V	9.3	2.2	6.07	229
250051004	2012	1	6	15	V	8.0	2.2	5.16	226
250051004	2012	1	6	16	V	6.8	1.6	4.93	214
250051004	2012	1	6	17	V	8.9	2	3.56	212
250051004	2012	1	6	18	V	5.8	1.9	1.89	185
250051004	2012	1	6	19	V	4.4	1.9	3.05	192
250051004	2012	1	6	20	V	4.3	1.9	2.88	204
250051004	2012	1	6	21	V	4.1	2	2.61	232
250051004	2012	1	6	22	V	3.6	-999	4.26	240
250051004	2012	1	6	23	V	3.7	2.2	3.49	254
250051004	2012	1	6	24	V	4.8	2.6	3.56	250
250051004	2012	1	7	1	V	4.1	3	3.25	231
250051004	2012	1	7	2	V	5.3	2.7	1.74	216
250051004	2012	1	7	3	V	4.8	2.8	1.35	144
250051004	2012	1	7	4	V	7.3	3	1.23	187
250051004	2012	1	7	5	V	8.0	3.2	0.74	256
250051004	2012	1	7	6	V	6.2	3	0.99	169
250051004	2012	1	7	7	V	9.3	2.8	1.06	222
250051004	2012	1	7	8	V	8.3	4.1	0.97	201
250051004	2012	1	7	9	V	7.2	4.5	0.92	218
250051004	2012	1	7	10	V	8.2	4.6	1.54	172
250051004	2012	1	7	11	V	10.0	3.9	1.77	181
250051004	2012	1	7	12	V	8.5	3.8	4.82	229
250051004	2012	1	7	13	V	8.8	3.9	5.94	236
250051004	2012	1	7	14	V	9.3	3.7	7.86	237
250051004	2012	1	7	15	V	8.0	3.9	6.8	245
250051004	2012	1	7	16	V	6.8	3.9	5.6	238
250051004	2012	1	7	17	V	8.9	3.4	3.57	228
250051004	2012	1	7	18	V	5.8	3.9	2.86	235
250051004	2012	1	7	19	V	4.4	3.8	2.78	232
250051004	2012	1	7	20	V	4.3	3.7	1.98	260

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	7	21	V	4.1	2.7	2.64	322
250051004	2012	1	7	22	V	3.6	2.9	2.15	298
250051004	2012	1	7	23	V	3.7	3.3	3.75	306
250051004	2012	1	7	24	V	4.8	3	4.8	307
250051004	2012	1	8	1	V	4.1	2.4	3	291
250051004	2012	1	8	2	V	5.3	1.8	2.66	291
250051004	2012	1	8	3	V	4.8	2	2.98	296
250051004	2012	1	8	4	V	7.3	2.1	3.39	284
250051004	2012	1	8	5	V	8.0	1.2	3.32	263
250051004	2012	1	8	6	V	6.2	1.1	3.15	259
250051004	2012	1	8	7	V	9.3	1.4	1.59	252
250051004	2012	1	8	8	V	8.3	1.5	1.69	230
250051004	2012	1	8	9	V	7.2	1.2	1.82	232
250051004	2012	1	8	10	V	8.1	1.1	3.35	295
250051004	2012	1	8	11	V	9.0	0.8	4.54	311
250051004	2012	1	8	12	V	10.1	2	4.14	314
250051004	2012	1	8	13	V	8.8	0.7	4.61	291
250051004	2012	1	8	14	V	9.3	0.7	4.82	285
250051004	2012	1	8	15	V	8.0	0.7	4.15	288
250051004	2012	1	8	16	V	6.8	0.7	4.54	294
250051004	2012	1	8	17	V	8.9	0	5.07	302
250051004	2012	1	8	18	V	5.8	1.1	4.92	294
250051004	2012	1	8	19	V	4.4	1.2	5.26	304
250051004	2012	1	8	20	V	4.3	0.5	4.92	297
250051004	2012	1	8	21	V	4.1	0.8	4.31	294
250051004	2012	1	8	22	V	3.6	0.6	4.12	298
250051004	2012	1	8	23	V	3.7	0.7	4	296
250051004	2012	1	8	24	V	4.8	4.3	3.63	306
250051004	2012	1	9	1	V	4.1	3.3	3.27	310
250051004	2012	1	9	2	V	5.3	0.9	2.71	313
250051004	2012	1	9	3	V	4.8	1.3	2.69	299
250051004	2012	1	9	4	V	7.3	1.3	2.23	327
250051004	2012	1	9	5	V	8.0	1.7	1.76	347
250051004	2012	1	9	6	V	6.2	2.8	1.84	309
250051004	2012	1	9	7	V	9.3	3	1.28	290
250051004	2012	1	9	8	V	8.3	1.9	1.6	321
250051004	2012	1	9	9	V	8.2	1.7	1.31	298
250051004	2012	1	9	10	V	12.7	1.6	1.11	61
250051004	2012	1	9	11	V	14.1	-999	1.13	130
250051004	2012	1	9	12	V	9.2	10.8	1.74	166
250051004	2012	1	9	13	V	9.0	7.4	3.42	157
250051004	2012	1	9	14	V	9.4	4.5	4.19	150
250051004	2012	1	9	15	V	8.0	2.2	4.61	184
250051004	2012	1	9	16	V	6.8	0.4	4.65	204
250051004	2012	1	9	17	V	8.9	0.8	4.1	202
250051004	2012	1	9	18	V	5.8	1.5	3.1	192

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	9	19	V	4.4	1.3	1.79	179
250051004	2012	1	9	20	V	4.3	1.3	1.96	191
250051004	2012	1	9	21	V	4.1	1.6	1.59	253
250051004	2012	1	9	22	V	3.6	-999	1.53	235
250051004	2012	1	9	23	V	3.7	1.5	1.14	209
250051004	2012	1	9	24	V	4.8	2.3	0.92	294
250051004	2012	1	10	1	V	4.1	1.5	0.91	217
250051004	2012	1	10	2	V	5.3	1.2	1.06	262
250051004	2012	1	10	3	V	4.8	3.8	0.94	288
250051004	2012	1	10	4	V	7.3	2	1.37	311
250051004	2012	1	10	5	V	8.0	1.2	0.92	251
250051004	2012	1	10	6	V	6.2	1.3	1.67	141
250051004	2012	1	10	7	V	9.3	1.3	1.43	188
250051004	2012	1	10	8	V	8.3	1.3	1.82	239
250051004	2012	1	10	9	V	7.2	2.5	4.1	262
250051004	2012	1	10	10	V	8.1	3.2	5.38	273
250051004	2012	1	10	11	V	8.6	3.4	4.68	257
250051004	2012	1	10	12	V	8.5	3.4	4.34	268
250051004	2012	1	10	13	V	8.8	3.2	5.63	293
250051004	2012	1	10	14	V	9.3	2.6	6.35	290
250051004	2012	1	10	15	V	8.0	2.1	6.96	299
250051004	2012	1	10	16	V	6.8	1.7	6.4	292
250051004	2012	1	10	17	V	8.9	2	5.36	284
250051004	2012	1	10	18	V	5.8	1.8	3.86	287
250051004	2012	1	10	19	V	4.4	1.4	3.85	285
250051004	2012	1	10	20	V	4.3	1.3	3.44	272
250051004	2012	1	10	21	V	4.1	1.3	3.35	266
250051004	2012	1	10	22	V	3.6	1.2	3.27	268
250051004	2012	1	10	23	V	3.7	1.3	3.37	272
250051004	2012	1	10	24	V	4.8	1.3	3.35	278
250051004	2012	1	11	1	V	4.1	1.5	3.46	299
250051004	2012	1	11	2	V	5.3	1.7	2.37	292
250051004	2012	1	11	3	V	4.8	2.6	2.15	251
250051004	2012	1	11	4	V	7.3	1.9	2.2	258
250051004	2012	1	11	5	V	8.0	1.8	2.4	268
250051004	2012	1	11	6	V	6.2	1.8	2.42	275
250051004	2012	1	11	7	V	9.3	2.8	1.86	310
250051004	2012	1	11	8	V	8.3	3.4	1.52	23
250051004	2012	1	11	9	V	7.2	3.5	2.56	23
250051004	2012	1	11	10	V	8.1	2.4	3.18	43
250051004	2012	1	11	11	V	8.6	1.9	2.91	67
250051004	2012	1	11	12	V	8.4	1.5	1.89	85
250051004	2012	1	11	13	V	8.8	1.4	2.27	68
250051004	2012	1	11	14	V	9.3	1.2	2.33	130
250051004	2012	1	11	15	V	8.0	1	3.3	158
250051004	2012	1	11	16	V	6.8	0.7	4.03	157

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	11	17	V	8.9	0.7	3.01	142
250051004	2012	1	11	18	V	5.8	1	2.79	131
250051004	2012	1	11	19	V	4.4	1.3	3.46	101
250051004	2012	1	11	20	V	4.3	0.8	3.69	97
250051004	2012	1	11	21	V	4.1	0.7	3.76	91
250051004	2012	1	11	22	V	3.6	0.7	4.19	95
250051004	2012	1	11	23	V	3.7	0.7	3.13	73
250051004	2012	1	11	24	V	4.8	0.6	3.69	59
250051004	2012	1	12	1	V	4.1	0.6	3.56	57
250051004	2012	1	12	2	V	5.3	0.7	3.93	52
250051004	2012	1	12	3	V	4.8	0.8	3.4	64
250051004	2012	1	12	4	V	7.3	0.6	5.31	67
250051004	2012	1	12	5	V	8.0	0.6	6.16	71
250051004	2012	1	12	6	V	6.2	0.8	6.91	64
250051004	2012	1	12	7	V	9.3	1	6.55	63
250051004	2012	1	12	8	V	8.3	0.9	7.13	52
250051004	2012	1	12	9	V	7.2	1	6.96	50
250051004	2012	1	12	10	V	8.1	1.2	6.55	48
250051004	2012	1	12	11	V	8.6	1.3	7.48	44
250051004	2012	1	12	12	V	8.4	1.4	8.32	36
250051004	2012	1	12	13	V	8.8	1.4	7.76	5
250051004	2012	1	12	14	V	9.3	1.3	8.91	6
250051004	2012	1	12	15	V	8.0	1.4	8.4	13
250051004	2012	1	12	16	V	6.8	1.4	8.52	4
250051004	2012	1	12	17	V	8.9	1.2	6.35	360
250051004	2012	1	12	18	V	5.8	1.2	4.73	347
250051004	2012	1	12	19	V	4.4	1.8	4.15	332
250051004	2012	1	12	20	V	4.3	1.5	3.49	326
250051004	2012	1	12	21	V	4.1	1.4	2.47	333
250051004	2012	1	12	22	V	3.6	-999	1.91	328
250051004	2012	1	12	23	V	3.7	1	1.64	348
250051004	2012	1	12	24	V	4.8	1	1.74	19
250051004	2012	1	13	1	V	4.1	1.1	2.28	47
250051004	2012	1	13	2	V	5.3	1.1	1.96	52
250051004	2012	1	13	3	V	4.8	1.3	1.21	55
250051004	2012	1	13	4	V	7.3	1.1	2.23	30
250051004	2012	1	13	5	V	8.0	0.9	1.89	41
250051004	2012	1	13	6	V	6.2	1.2	2.4	44
250051004	2012	1	13	7	V	9.3	1.3	2.57	46
250051004	2012	1	13	8	V	8.3	1.4	1.72	22
250051004	2012	1	13	9	V	7.2	1.4	2.57	151
250051004	2012	1	13	10	V	8.1	4.2	9.85	200
250051004	2012	1	13	11	V	8.6	5.2	10.48	218
250051004	2012	1	13	12	V	8.4	3.5	13.18	225
250051004	2012	1	13	13	V	8.8	2.3	11.65	235
250051004	2012	1	13	14	V	9.3	2.4	12.43	230

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	13	15	V	8.0	2.4	12.48	232
250051004	2012	1	13	16	V	6.8	2.2	11.8	231
250051004	2012	1	13	17	V	8.9	2.6	10.61	248
250051004	2012	1	13	18	V	5.8	2.6	11.12	256
250051004	2012	1	13	19	V	4.4	3.2	10.63	251
250051004	2012	1	13	20	V	4.3	3.9	8.86	246
250051004	2012	1	13	21	V	4.1	3.6	8.23	244
250051004	2012	1	13	22	V	3.6	3.1	7.52	245
250051004	2012	1	13	23	V	3.7	3	6.94	235
250051004	2012	1	13	24	V	4.8	3	6.72	237
250051004	2012	1	14	1	V	4.1	2.7	6.43	238
250051004	2012	1	14	2	V	5.3	2.5	5.68	232
250051004	2012	1	14	3	V	4.8	2.5	5.29	229
250051004	2012	1	14	4	V	7.3	2.3	5.46	238
250051004	2012	1	14	5	V	8.0	2.4	5.12	238
250051004	2012	1	14	6	V	6.2	2.2	5.04	238
250051004	2012	1	14	7	V	9.3	2.2	4.92	240
250051004	2012	1	14	8	V	8.3	2.2	4.58	240
250051004	2012	1	14	9	V	7.2	2.2	5.87	248
250051004	2012	1	14	10	V	8.2	1.9	7.04	261
250051004	2012	1	14	11	V	8.6	1.4	7.91	274
250051004	2012	1	14	12	V	8.5	1.6	7.18	286
250051004	2012	1	14	13	V	8.8	1.4	7.55	280
250051004	2012	1	14	14	V	9.3	1.4	7.89	285
250051004	2012	1	14	15	V	8.0	1.2	6.47	294
250051004	2012	1	14	16	V	6.9	0.9	7.48	294
250051004	2012	1	14	17	V	8.9	1.1	6.82	297
250051004	2012	1	14	18	V	5.8	1.1	5.46	306
250051004	2012	1	14	19	V	4.4	1.4	4.59	309
250051004	2012	1	14	20	V	4.3	0.9	5.63	305
250051004	2012	1	14	21	V	4.1	1	6.6	302
250051004	2012	1	14	22	V	3.6	0.8	5.97	305
250051004	2012	1	14	23	V	3.7	0.6	5.94	297
250051004	2012	1	14	24	V	4.8	1	5.96	294
250051004	2012	1	15	1	V	4.1	0.6	6.3	296
250051004	2012	1	15	2	V	5.3	1	5.82	302
250051004	2012	1	15	3	V	4.8	1	5.46	304
250051004	2012	1	15	4	V	7.3	0.8	5.34	306
250051004	2012	1	15	5	V	8.0	7	5.34	312
250051004	2012	1	15	6	V	6.2	23.7	4.87	317
250051004	2012	1	15	7	V	9.7	14.7	6.02	329
250051004	2012	1	15	8	V	8.3	32.8	5.89	343
250051004	2012	1	15	9	V	29.3	58.4	6.65	332
250051004	2012	1	15	10	V	23.2	21	7.09	337
250051004	2012	1	15	11	V	13.0	7.9	7.18	342
250051004	2012	1	15	12	V	17.7	2.7	7.06	340

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	15	13	V	52.8	41.7	6.09	331
250051004	2012	1	15	14	V	20.4	26.2	6.99	339
250051004	2012	1	15	15	V	46.2	17.3	6.4	332
250051004	2012	1	15	16	V	37.9	17.7	6.64	331
250051004	2012	1	15	17	V	9.0	7.6	6.58	333
250051004	2012	1	15	18	V	7.0	28	6.7	324
250051004	2012	1	15	19	V	4.5	23	5.58	322
250051004	2012	1	15	20	V	4.3	59.2	5.38	333
250051004	2012	1	15	21	V	4.1	37.2	4.61	334
250051004	2012	1	15	22	V	3.8	-999	5.22	327
250051004	2012	1	15	23	V	3.8	16.9	5.07	327
250051004	2012	1	15	24	V	4.8	21.5	4.82	322
250051004	2012	1	16	1	V	4.1	27.3	3.25	318
250051004	2012	1	16	2	V	5.3	35.4	2.88	314
250051004	2012	1	16	3	V	4.8	12	3.39	311
250051004	2012	1	16	4	V	7.3	-999	3.37	322
250051004	2012	1	16	5	V	8.0	7.5	3	320
250051004	2012	1	16	6	V	6.2	15.8	2.15	292
250051004	2012	1	16	7	V	9.3	19.5	2.25	312
250051004	2012	1	16	8	V	8.3	20.9	1.74	278
250051004	2012	1	16	9	V	9.2	25.9	1.09	277
250051004	2012	1	16	10	V	57.9	7.3	0.99	331
250051004	2012	1	16	11	V	12.6	3.8	1.3	132
250051004	2012	1	16	12	V	8.8	11.2	2.33	159
250051004	2012	1	16	13	V	8.9	13.5	3.75	147
250051004	2012	1	16	14	V	9.3	3.8	4.26	165
250051004	2012	1	16	15	V	8.0	0.7	5.12	192
250051004	2012	1	16	16	V	6.8	0.7	5.58	192
250051004	2012	1	16	17	V	8.9	0.9	4.05	198
250051004	2012	1	16	18	V	5.8	1.1	2.45	199
250051004	2012	1	16	19	V	4.4	0.8	2.27	172
250051004	2012	1	16	20	V	4.3	0.8	2.37	190
250051004	2012	1	16	21	V	4.1	1	5.53	214
250051004	2012	1	16	22	V	3.6	1.1	6.7	219
250051004	2012	1	16	23	V	3.7	0.9	5.92	226
250051004	2012	1	16	24	V	4.8	0.4	3.95	214
250051004	2012	1	17	1	V	4.1	0.4	5.65	220
250051004	2012	1	17	2	V	5.3	0.5	4.19	214
250051004	2012	1	17	3	V	4.8	0.6	3.85	223
250051004	2012	1	17	4	V	7.3	0.7	3.88	219
250051004	2012	1	17	5	V	8.0	1.2	4.7	213
250051004	2012	1	17	6	V	6.2	1.5	4.03	215
250051004	2012	1	17	7	V	9.3	1.3	3.88	228
250051004	2012	1	17	8	V	8.3	1.1	4.32	234
250051004	2012	1	17	9	V	7.2	1.3	3.52	235
250051004	2012	1	17	10	V	8.1	1.7	4.15	240

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	17	11	V	8.6	1.9	5.16	234
250051004	2012	1	17	12	V	8.5	1.8	4.88	231
250051004	2012	1	17	13	V	8.8	3.1	5.02	224
250051004	2012	1	17	14	V	9.3	2.3	4.83	225
250051004	2012	1	17	15	V	8.0	2	2.96	200
250051004	2012	1	17	16	V	6.8	1.4	3.08	173
250051004	2012	1	17	17	V	8.9	1.3	4.03	195
250051004	2012	1	17	18	V	5.8	0.7	3.47	189
250051004	2012	1	17	19	V	4.4	1.2	4.49	201
250051004	2012	1	17	20	V	4.3	1.1	5.38	211
250051004	2012	1	17	21	V	4.1	1.4	5.16	208
250051004	2012	1	17	22	V	3.6	1.4	4.9	210
250051004	2012	1	17	23	V	3.7	1.3	4.71	211
250051004	2012	1	17	24	V	4.8	1.6	4.36	217
250051004	2012	1	18	1	V	4.1	1.7	6.38	233
250051004	2012	1	18	2	V	5.3	1.8	9.3	237
250051004	2012	1	18	3	V	4.8	1.9	10.22	241
250051004	2012	1	18	4	V	7.3	1.9	9.27	242
250051004	2012	1	18	5	V	8.0	1.8	8.28	256
250051004	2012	1	18	6	V	6.2	1.7	6.69	288
250051004	2012	1	18	7	V	9.3	2	7.18	309
250051004	2012	1	18	8	V	8.3	2.8	6.79	305
250051004	2012	1	18	9	V	7.2	2	8.52	293
250051004	2012	1	18	10	V	8.2	1.7	9.34	291
250051004	2012	1	18	11	V	8.6	1.4	7.81	297
250051004	2012	1	18	12	V	8.5	1.1	9.19	292
250051004	2012	1	18	13	V	8.8	1.5	9	298
250051004	2012	1	18	14	V	9.3	1.3	9.98	295
250051004	2012	1	18	15	V	8.0	0.9	8.74	298
250051004	2012	1	18	16	V	7.2	1.1	7.38	311
250051004	2012	1	18	17	V	8.9	0.9	6.91	315
250051004	2012	1	18	18	V	5.8	0.9	6.46	307
250051004	2012	1	18	19	V	4.4	11.2	5.53	313
250051004	2012	1	18	20	V	4.5	18.1	5.29	324
250051004	2012	1	18	21	V	4.1	2.3	6.02	339
250051004	2012	1	18	22	V	3.6	-999	4.76	345
250051004	2012	1	18	23	V	3.7	0.5	5.17	349
250051004	2012	1	18	24	V	4.8	0.6	3.98	353
250051004	2012	1	19	1	V	4.1	0.5	2.76	349
250051004	2012	1	19	2	V	5.3	0.8	2.79	358
250051004	2012	1	19	3	V	4.8	0.8	2.95	342
250051004	2012	1	19	4	V	7.3	1.3	2.71	327
250051004	2012	1	19	5	V	8.0	1.1	2.01	327
250051004	2012	1	19	6	V	6.2	1.7	2.45	3
250051004	2012	1	19	7	V	9.3	1.6	3.08	348
250051004	2012	1	19	8	V	8.3	1.3	3.83	350

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	19	9	V	7.2	1	4.12	8
250051004	2012	1	19	10	V	8.2	1.7	3.07	1
250051004	2012	1	19	11	V	9.0	3.7	1.99	37
250051004	2012	1	19	12	V	8.7	3.4	2.96	77
250051004	2012	1	19	13	V	9.0	1.6	3.73	78
250051004	2012	1	19	14	V	9.5	1.2	3.97	76
250051004	2012	1	19	15	V	8.1	0.8	3.97	90
250051004	2012	1	19	16	V	6.9	0.6	3.07	122
250051004	2012	1	19	17	V	8.9	0.8	3.37	136
250051004	2012	1	19	18	V	5.8	0.7	3.75	127
250051004	2012	1	19	19	V	4.4	0.9	4.31	120
250051004	2012	1	19	20	V	4.3	1	3.25	102
250051004	2012	1	19	21	V	4.1	1.1	4.14	95
250051004	2012	1	19	22	V	3.6	1	3.2	30
250051004	2012	1	19	23	V	3.7	0.8	1.57	340
250051004	2012	1	19	24	V	4.8	1.7	2.4	329
250051004	2012	1	20	1	V	4.1	1.6	0.89	358
250051004	2012	1	20	2	V	5.3	1.2	1.33	153
250051004	2012	1	20	3	V	4.8	1	1.81	173
250051004	2012	1	20	4	V	7.3	1	1.88	215
250051004	2012	1	20	5	V	8.0	1.1	2.76	242
250051004	2012	1	20	6	V	6.2	1.2	1.82	256
250051004	2012	1	20	7	V	9.3	1.6	2.32	263
250051004	2012	1	20	8	V	8.3	2.3	2.3	269
250051004	2012	1	20	9	V	7.2	2.8	5.05	302
250051004	2012	1	20	10	V	8.2	2.9	5.48	304
250051004	2012	1	20	11	V	8.7	1.9	5.27	301
250051004	2012	1	20	12	V	13.5	1.9	6.64	312
250051004	2012	1	20	13	V	18.9	2.2	5.92	314
250051004	2012	1	20	14	V	13.6	1.5	5.75	311
250051004	2012	1	20	15	V	20.5	1.4	5.85	316
250051004	2012	1	20	16	V	14.0	1	5.52	317
250051004	2012	1	20	17	V	8.9	1.2	3.29	302
250051004	2012	1	20	18	V	5.8	1.6	3.8	295
250051004	2012	1	20	19	V	4.4	2.3	2.73	280
250051004	2012	1	20	20	V	4.3	2.2	2.56	287
250051004	2012	1	20	21	V	4.1	2.4	4.05	305
250051004	2012	1	20	22	V	3.6	6	3.22	315
250051004	2012	1	20	23	V	3.7	4.7	2.33	300
250051004	2012	1	20	24	V	4.8	5.2	2.2	293
250051004	2012	1	21	1	V	4.1	3.8	1.55	300
250051004	2012	1	21	2	V	5.3	1.9	1.84	355
250051004	2012	1	21	3	V	4.8	2	2.2	344
250051004	2012	1	21	4	V	7.3	2.1	2.16	346
250051004	2012	1	21	5	V	8.0	2.3	1.84	21
250051004	2012	1	21	6	V	6.2	1.9	1.88	59

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	21	7	V	9.3	2.2	2.69	75
250051004	2012	1	21	8	V	8.3	1.5	3.3	28
250051004	2012	1	21	9	V	7.2	2	4.6	19
250051004	2012	1	21	10	V	8.1	2.2	4.85	23
250051004	2012	1	21	11	V	8.6	2.1	5.14	17
250051004	2012	1	21	12	V	8.5	2	5.82	12
250051004	2012	1	21	13	V	8.8	2.6	6.69	13
250051004	2012	1	21	14	V	9.3	2.7	6.87	9
250051004	2012	1	21	15	V	8.0	2.4	7.33	7
250051004	2012	1	21	16	V	6.8	2.2	8.11	6
250051004	2012	1	21	17	V	8.9	2	7.94	3
250051004	2012	1	21	18	V	5.8	1.6	7.74	3
250051004	2012	1	21	19	V	4.4	1.3	7.13	2
250051004	2012	1	21	20	V	4.3	1	6.75	358
250051004	2012	1	21	21	V	4.1	1.4	6.84	358
250051004	2012	1	21	22	V	3.6	-999	7.09	2
250051004	2012	1	21	23	V	3.7	1.1	7.01	2
250051004	2012	1	21	24	V	4.8	1.1	7.23	354
250051004	2012	1	22	1	V	4.1	0.9	6.6	358
250051004	2012	1	22	2	V	5.3	1	5	352
250051004	2012	1	22	3	V	4.8	1.1	4.09	348
250051004	2012	1	22	4	V	7.3	1.2	4.65	348
250051004	2012	1	22	5	V	8.0	1.3	3.97	348
250051004	2012	1	22	6	V	6.2	1.3	3.66	345
250051004	2012	1	22	7	V	9.3	1.7	4.07	350
250051004	2012	1	22	8	V	8.3	1.9	4.19	352
250051004	2012	1	22	9	V	7.2	2.2	3.97	357
250051004	2012	1	22	10	V	8.2	2.7	4.12	8
250051004	2012	1	22	11	V	8.7	3	3.54	1
250051004	2012	1	22	12	V	8.6	3	3.46	16
250051004	2012	1	22	13	V	9.9	3	2.08	8
250051004	2012	1	22	14	V	20.8	1.3	0.7	20
250051004	2012	1	22	15	V	8.1	0.8	3.1	91
250051004	2012	1	22	16	V	6.8	0.7	2.5	74
250051004	2012	1	22	17	V	8.9	0.5	2.96	95
250051004	2012	1	22	18	V	5.8	0.5	2.33	69
250051004	2012	1	22	19	V	4.4	0.4	2.42	94
250051004	2012	1	22	20	V	4.3	1.1	1.86	99
250051004	2012	1	22	21	V	4.1	1	2.25	27
250051004	2012	1	22	22	V	3.6	0.9	2.04	346
250051004	2012	1	22	23	V	3.7	0.9	2.5	351
250051004	2012	1	22	24	V	4.8	1.3	2.96	345
250051004	2012	1	23	1	V	4.1	1.8	2.23	352
250051004	2012	1	23	2	V	5.3	1.8	2.62	8
250051004	2012	1	23	3	V	4.8	1.9	2.2	39
250051004	2012	1	23	4	V	7.3	1.1	2.52	58

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	23	5	V	8.0	1.2	1.3	83
250051004	2012	1	23	6	V	6.2	1.4	1.57	68
250051004	2012	1	23	7	V	9.3	1.3	1.69	48
250051004	2012	1	23	8	V	8.3	1.4	2.67	62
250051004	2012	1	23	9	V	7.2	1.5	1.23	49
250051004	2012	1	23	10	V	9.7	1.6	1.18	30
250051004	2012	1	23	11	V	9.2	1.4	1.59	47
250051004	2012	1	23	12	V	12.0	1.3	1.06	35
250051004	2012	1	23	13	V	10.3	1.2	1.31	155
250051004	2012	1	23	14	V	9.4	1.2	2.23	167
250051004	2012	1	23	15	V	8.0	1.1	2.67	160
250051004	2012	1	23	16	V	6.8	1	1.6	169
250051004	2012	1	23	17	V	8.9	0.7	1.45	130
250051004	2012	1	23	18	V	5.8	0.8	1.04	119
250051004	2012	1	23	19	V	4.4	0.6	1.33	99
250051004	2012	1	23	20	V	4.3	0.7	0.87	128
250051004	2012	1	23	21	V	4.1	0.6	1.4	163
250051004	2012	1	23	22	V	3.6	0.8	2.37	162
250051004	2012	1	23	23	V	3.7	0.8	1.91	172
250051004	2012	1	23	24	V	4.8	0.8	4.39	188
250051004	2012	1	24	1	V	4.1	0.7	5.89	203
250051004	2012	1	24	2	V	5.3	0.7	6.21	218
250051004	2012	1	24	3	V	4.8	0.8	4.03	217
250051004	2012	1	24	4	V	7.3	0.9	3.68	212
250051004	2012	1	24	5	V	8.0	1.1	3.51	221
250051004	2012	1	24	6	V	6.2	1.1	3.68	213
250051004	2012	1	24	7	V	9.3	1.2	3.46	215
250051004	2012	1	24	8	V	8.3	1.3	3.56	221
250051004	2012	1	24	9	V	7.2	1.5	3.63	206
250051004	2012	1	24	10	V	8.1	2.9	4.63	213
250051004	2012	1	24	11	V	8.6	3.2	5.39	237
250051004	2012	1	24	12	V	8.5	2.5	5.14	250
250051004	2012	1	24	13	V	8.9	2	4.26	260
250051004	2012	1	24	14	V	9.4	2.2	3.4	242
250051004	2012	1	24	15	V	8.0	2.3	4.14	246
250051004	2012	1	24	16	V	6.8	1.6	4.7	250
250051004	2012	1	24	17	V	8.9	1.5	3.27	265
250051004	2012	1	24	18	V	5.8	1.7	3.39	241
250051004	2012	1	24	19	V	4.4	1.6	3.17	243
250051004	2012	1	24	20	V	4.3	1.6	3.69	270
250051004	2012	1	24	21	V	4.1	1.4	3.47	297
250051004	2012	1	24	22	V	3.6	-999	2.32	278
250051004	2012	1	24	23	V	3.7	1.7	3.44	291
250051004	2012	1	24	24	V	4.8	1.9	4.49	294
250051004	2012	1	25	1	V	4.1	1.5	5.72	314
250051004	2012	1	25	2	V	5.3	1.5	4.56	306

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	25	3	V	4.8	0.9	3.24	291
250051004	2012	1	25	4	V	7.3	1.2	4.14	292
250051004	2012	1	25	5	V	8.0	1.3	4	286
250051004	2012	1	25	6	V	6.2	1.3	3.2	289
250051004	2012	1	25	7	V	9.3	1.5	2.42	256
250051004	2012	1	25	8	V	8.3	1.4	3	247
250051004	2012	1	25	9	V	7.2	1.2	3.57	263
250051004	2012	1	25	10	V	8.2	1.1	5.02	294
250051004	2012	1	25	11	V	8.6	1	6.04	296
250051004	2012	1	25	12	V	8.5	-999	6.84	287
250051004	2012	1	25	13	V	8.8	0.9	6.23	295
250051004	2012	1	25	14	V	9.3	1.3	6.26	303
250051004	2012	1	25	15	V	8.3	1	5.38	309
250051004	2012	1	25	16	V	6.8	1	4.48	305
250051004	2012	1	25	17	V	8.9	0.8	4.65	297
250051004	2012	1	25	18	V	5.8	1	3.95	299
250051004	2012	1	25	19	V	4.4	1.2	3.56	282
250051004	2012	1	25	20	V	4.3	0.9	3.05	283
250051004	2012	1	25	21	V	4.1	1.1	2.71	301
250051004	2012	1	25	22	V	3.6	1.4	2.44	297
250051004	2012	1	25	23	V	3.7	1.3	1.98	295
250051004	2012	1	25	24	V	4.8	1.9	1.69	286
250051004	2012	1	26	1	V	4.1	1.3	1.38	283
250051004	2012	1	26	2	V	5.3	1.3	2.13	245
250051004	2012	1	26	3	V	4.8	1.5	2.18	272
250051004	2012	1	26	4	V	7.3	1.8	2.01	292
250051004	2012	1	26	5	V	8.0	2	1.33	259
250051004	2012	1	26	6	V	6.2	3.2	1.93	252
250051004	2012	1	26	7	V	9.3	2.4	1.69	245
250051004	2012	1	26	8	V	8.3	3.1	2.13	281
250051004	2012	1	26	9	V	12.1	5.3	2.08	328
250051004	2012	1	26	10	V	8.7	3.3	1.74	16
250051004	2012	1	26	11	V	12.1	2	1.11	61
250051004	2012	1	26	12	V	9.5	6.1	1.62	85
250051004	2012	1	26	13	V	9.2	5.5	2.15	119
250051004	2012	1	26	14	V	9.5	9.9	2.1	83
250051004	2012	1	26	15	V	8.0	2.9	2.11	96
250051004	2012	1	26	16	V	6.8	1.6	2.1	110
250051004	2012	1	26	17	V	8.9	1.2	4.48	169
250051004	2012	1	26	18	V	5.8	1	2.91	157
250051004	2012	1	26	19	V	4.4	1	3.17	142
250051004	2012	1	26	20	V	4.3	0.7	3.3	123
250051004	2012	1	26	21	V	4.1	0.7	3	113
250051004	2012	1	26	22	V	3.6	0.6	2.81	95
250051004	2012	1	26	23	V	3.7	0.6	2.79	86
250051004	2012	1	26	24	V	4.8	0.7	2.67	77

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	27	1	V	4.1	0.8	2.25	53
250051004	2012	1	27	2	V	5.3	0.7	1.42	33
250051004	2012	1	27	3	V	4.8	0.9	1.67	18
250051004	2012	1	27	4	V	7.3	0.9	1.5	15
250051004	2012	1	27	5	V	8.0	0.9	2.32	344
250051004	2012	1	27	6	V	6.2	1.1	2.84	2
250051004	2012	1	27	7	V	9.3	1.1	2.4	1
250051004	2012	1	27	8	V	8.3	1.1	2.4	351
250051004	2012	1	27	9	V	7.2	1.2	1.47	339
250051004	2012	1	27	10	V	8.1	1.8	1.09	289
250051004	2012	1	27	11	V	8.6	3.5	1.47	46
250051004	2012	1	27	12	V	8.4	3.8	1.89	14
250051004	2012	1	27	13	V	8.8	4.9	6.96	214
250051004	2012	1	27	14	V	9.3	2.2	7.28	220
250051004	2012	1	27	15	V	8.0	1.9	5.7	215
250051004	2012	1	27	16	V	6.8	1.9	3.03	221
250051004	2012	1	27	17	V	8.9	1.4	3.4	348
250051004	2012	1	27	18	V	5.8	1.6	2.69	3
250051004	2012	1	27	19	V	4.4	1.5	6.14	307
250051004	2012	1	27	20	V	4.3	1.8	7.83	294
250051004	2012	1	27	21	V	4.1	2	8.59	291
250051004	2012	1	27	22	V	3.6	-999	7.4	291
250051004	2012	1	27	23	V	3.7	1.5	8.59	292
250051004	2012	1	27	24	V	4.8	1.6	6.81	293
250051004	2012	1	28	1	V	4.1	1.9	6.04	287
250051004	2012	1	28	2	V	5.3	1.9	5.72	290
250051004	2012	1	28	3	V	4.8	1.7	5.82	295
250051004	2012	1	28	4	V	7.3	1.5	4.92	298
250051004	2012	1	28	5	V	8.0	1.1	3.07	287
250051004	2012	1	28	6	V	6.2	2	2.47	279
250051004	2012	1	28	7	V	9.3	1.7	1.72	239
250051004	2012	1	28	8	V	8.3	2	2.04	232
250051004	2012	1	28	9	V	7.2	1.7	2.55	249
250051004	2012	1	28	10	V	8.1	1.7	3.05	279
250051004	2012	1	28	11	V	8.6	1.7	2.81	286
250051004	2012	1	28	12	V	8.4	1.4	2.05	290
250051004	2012	1	28	13	V	8.8	1.5	1.98	129
250051004	2012	1	28	14	V	9.3	1.2	5.27	157
250051004	2012	1	28	15	V	8.0	1	7.32	161
250051004	2012	1	28	16	V	6.8	1	7.03	187
250051004	2012	1	28	17	V	8.9	1	5.02	201
250051004	2012	1	28	18	V	5.8	1	3.74	189
250051004	2012	1	28	19	V	4.4	1	3.34	197
250051004	2012	1	28	20	V	4.3	1	3.76	202
250051004	2012	1	28	21	V	4.1	1.1	4.66	217
250051004	2012	1	28	22	V	3.6	1.2	3.57	212

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	28	23	V	3.7	1.2	3.9	204
250051004	2012	1	28	24	V	4.8	1.2	4.26	229
250051004	2012	1	29	1	V	4.1	1.3	6.16	245
250051004	2012	1	29	2	V	5.3	1.4	6.87	265
250051004	2012	1	29	3	V	4.8	1.2	6.04	270
250051004	2012	1	29	4	V	7.3	1	5.36	268
250051004	2012	1	29	5	V	8.0	1.2	5.02	269
250051004	2012	1	29	6	V	6.2	1	4.02	278
250051004	2012	1	29	7	V	9.3	1	2.27	242
250051004	2012	1	29	8	V	8.3	1.4	3.81	245
250051004	2012	1	29	9	V	7.2	1.3	5.38	243
250051004	2012	1	29	10	V	8.1	0.6	6.41	260
250051004	2012	1	29	11	V	8.6	1	6.24	263
250051004	2012	1	29	12	V	8.4	1	6.91	252
250051004	2012	1	29	13	V	8.8	1	6.72	257
250051004	2012	1	29	14	V	9.3	1	5.73	256
250051004	2012	1	29	15	V	8.0	1	5.85	250
250051004	2012	1	29	16	V	6.8	1.1	5.87	236
250051004	2012	1	29	17	V	8.9	1	5.7	218
250051004	2012	1	29	18	V	5.8	1.1	4.85	231
250051004	2012	1	29	19	V	4.4	1.4	4.39	219
250051004	2012	1	29	20	V	4.3	1.4	4.95	219
250051004	2012	1	29	21	V	4.1	1.2	5.26	226
250051004	2012	1	29	22	V	3.6	1.3	5	243
250051004	2012	1	29	23	V	3.7	1	4.71	239
250051004	2012	1	29	24	V	4.8	1.3	5.02	231
250051004	2012	1	30	1	V	4.1	1.4	4.41	224
250051004	2012	1	30	2	V	5.3	1.3	4.46	213
250051004	2012	1	30	3	V	4.8	1.3	4.05	211
250051004	2012	1	30	4	V	7.3	-999	3.8	215
250051004	2012	1	30	5	V	8.0	4.3	5.1	233
250051004	2012	1	30	6	V	6.2	1.7	6.47	256
250051004	2012	1	30	7	V	9.3	1.5	6.46	266
250051004	2012	1	30	8	V	8.3	1.6	6.55	276
250051004	2012	1	30	9	V	7.2	1.5	7.25	291
250051004	2012	1	30	10	V	8.1	1.5	8.98	301
250051004	2012	1	30	11	V	8.6	1	8.49	308
250051004	2012	1	30	12	V	8.5	0.8	7.31	306
250051004	2012	1	30	13	V	8.8	1	7.43	302
250051004	2012	1	30	14	V	9.3	0.7	7.98	296
250051004	2012	1	30	15	V	8.0	0.8	8.52	299
250051004	2012	1	30	16	V	6.8	0.6	7.11	298
250051004	2012	1	30	17	V	8.9	0.7	5.99	297
250051004	2012	1	30	18	V	5.8	0.9	4.65	296
250051004	2012	1	30	19	V	4.4	1.3	2.47	303
250051004	2012	1	30	20	V	4.3	0.9	1.23	248

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	1	30	21	V	4.1	1.1	1.04	244
250051004	2012	1	30	22	V	3.6	-999	1.26	224
250051004	2012	1	30	23	V	3.7	1.6	1.01	262
250051004	2012	1	30	24	V	4.8	1.8	1.08	227
250051004	2012	1	31	1	V	4.1	2.6	0.97	237
250051004	2012	1	31	2	V	5.3	1.6	0.8	186
250051004	2012	1	31	3	V	4.8	2.1	0.75	129
250051004	2012	1	31	4	V	7.3	1.9	1.4	162
250051004	2012	1	31	5	V	8.0	1.4	0.72	144
250051004	2012	1	31	6	V	6.2	1.4	0.91	101
250051004	2012	1	31	7	V	9.3	1.9	0.6	283
250051004	2012	1	31	8	V	8.3	2	1.13	41
250051004	2012	1	31	9	V	7.2	2.3	1.65	5
250051004	2012	1	31	10	V	16.1	4	0.87	350
250051004	2012	1	31	11	V	8.8	2.5	1.55	261
250051004	2012	1	31	12	V	8.5	2.1	4.05	245
250051004	2012	1	31	13	V	8.8	2.6	4.49	247
250051004	2012	1	31	14	V	9.3	6.5	4.56	248
250051004	2012	1	31	15	V	8.0	3.8	5.09	243
250051004	2012	1	31	16	V	6.8	2.7	4.87	223
250051004	2012	1	31	17	V	8.9	2.2	4.49	210
250051004	2012	1	31	18	V	5.8	2.6	2.96	205
250051004	2012	1	31	19	V	4.4	1.9	0.97	177
250051004	2012	1	31	20	V	4.3	1.7	1.43	147
250051004	2012	1	31	21	V	4.1	1.6	0.99	181
250051004	2012	1	31	22	V	3.6	1.2	1.14	1
250051004	2012	1	31	23	V	3.7	0.9	0.84	273
250051004	2012	1	31	24	V	4.8	0.8	0.77	286
250051004	2012	2	1	1	V	4.1	1.1	1.04	244
250051004	2012	2	1	2	V	5.3	1.7	1.06	31
250051004	2012	2	1	3	C	-999	1.9	0	0
250051004	2012	2	1	4	V	7.3	5.8	1.13	48
250051004	2012	2	1	5	V	8.0	9.1	1.26	46
250051004	2012	2	1	6	V	6.2	4.5	1.52	48
250051004	2012	2	1	7	V	9.3	7.9	1.54	119
250051004	2012	2	1	8	V	8.3	9.2	4.22	203
250051004	2012	2	1	9	V	7.2	3.4	6.43	238
250051004	2012	2	1	10	V	8.1	2.9	4.87	236
250051004	2012	2	1	11	V	8.6	3.1	6.28	239
250051004	2012	2	1	12	V	8.4	3.3	6.89	238
250051004	2012	2	1	13	V	8.8	3.1	6.04	247
250051004	2012	2	1	14	V	9.3	2.2	5.8	262
250051004	2012	2	1	15	V	8.0	2.2	6.31	255
250051004	2012	2	1	16	V	6.8	1.8	6.13	259
250051004	2012	2	1	17	V	8.9	1.9	5.04	250
250051004	2012	2	1	18	V	5.8	1.9	4.87	243

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	1	19	V	4.4	1.8	3.59	234
250051004	2012	2	1	20	V	4.3	1.9	4.07	250
250051004	2012	2	1	21	V	4.1	1.6	3.2	264
250051004	2012	2	1	22	V	3.6	1.3	5.55	313
250051004	2012	2	1	23	V	3.7	1.1	5.09	312
250051004	2012	2	1	24	V	4.8	0.9	3.22	307
250051004	2012	2	2	1	V	4.1	0.8	2.86	314
250051004	2012	2	2	2	V	5.3	0.6	2.47	315
250051004	2012	2	2	3	V	4.8	1.1	2.06	320
250051004	2012	2	2	4	V	7.3	1.6	2.32	317
250051004	2012	2	2	5	V	8.0	2.2	2.37	284
250051004	2012	2	2	6	V	6.2	1.8	2.67	320
250051004	2012	2	2	7	V	9.3	11.9	2.45	328
250051004	2012	2	2	8	V	8.3	5.8	2.16	319
250051004	2012	2	2	9	V	7.2	12	3.25	335
250051004	2012	2	2	10	V	8.1	10.2	2.93	351
250051004	2012	2	2	11	V	8.6	3.6	4.58	7
250051004	2012	2	2	12	V	8.4	2.2	4.99	24
250051004	2012	2	2	13	V	8.8	1.3	5.22	31
250051004	2012	2	2	14	V	9.3	1	6.12	40
250051004	2012	2	2	15	V	8.0	0.9	5.82	62
250051004	2012	2	2	16	V	6.8	0.9	5.36	49
250051004	2012	2	2	17	V	8.9	0.7	5.48	44
250051004	2012	2	2	18	V	5.8	0.9	4.65	35
250051004	2012	2	2	19	V	4.4	0.7	4.37	28
250051004	2012	2	2	20	V	4.3	0.6	4.54	19
250051004	2012	2	2	21	V	4.1	0.7	4.27	22
250051004	2012	2	2	22	V	3.6	-999	4.65	9
250051004	2012	2	2	23	V	3.7	0.4	5.12	359
250051004	2012	2	2	24	V	4.8	1	5.8	1
250051004	2012	2	3	1	V	4.1	0.9	5.77	352
250051004	2012	2	3	2	V	5.3	0.9	5.85	1
250051004	2012	2	3	3	V	4.8	0.8	4.95	2
250051004	2012	2	3	4	V	7.3	0.8	4.15	332
250051004	2012	2	3	5	V	8.0	0.7	4.94	331
250051004	2012	2	3	6	V	6.3	2.1	5.46	329
250051004	2012	2	3	7	V	9.3	13.2	5.05	325
250051004	2012	2	3	8	V	8.3	14.4	4.99	327
250051004	2012	2	3	9	V	9.5	10.9	5.36	334
250051004	2012	2	3	10	V	8.2	3.4	6.07	350
250051004	2012	2	3	11	V	11.3	8.8	5.39	336
250051004	2012	2	3	12	V	11.8	4.5	4.97	335
250051004	2012	2	3	13	V	13.1	5.9	5.56	329
250051004	2012	2	3	14	V	12.0	9.6	5.85	337
250051004	2012	2	3	15	V	11.3	4.5	5.33	321
250051004	2012	2	3	16	V	11.6	8.1	5.89	325

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	3	17	V	8.9	5.2	5.17	330
250051004	2012	2	3	18	V	5.8	1.9	3.2	310
250051004	2012	2	3	19	V	4.4	1.6	2.52	288
250051004	2012	2	3	20	V	4.3	1.4	2.4	271
250051004	2012	2	3	21	V	4.1	1.3	3.29	264
250051004	2012	2	3	22	V	3.6	1.2	3.52	257
250051004	2012	2	3	23	V	3.7	1.2	3.97	258
250051004	2012	2	3	24	V	4.8	0.6	3.95	246
250051004	2012	2	4	1	V	4.1	0.8	3.2	247
250051004	2012	2	4	2	V	5.3	0.7	3	250
250051004	2012	2	4	3	V	4.8	1	2.35	250
250051004	2012	2	4	4	V	7.3	1	1.81	237
250051004	2012	2	4	5	V	8.0	1.4	2.15	240
250051004	2012	2	4	6	V	6.2	1.1	2.5	253
250051004	2012	2	4	7	V	9.3	1.5	2.45	265
250051004	2012	2	4	8	V	8.3	1.5	2.74	262
250051004	2012	2	4	9	V	7.2	1.6	3.12	271
250051004	2012	2	4	10	V	8.1	1.5	5.07	288
250051004	2012	2	4	11	V	8.6	1.1	5.16	281
250051004	2012	2	4	12	V	8.4	0.8	4.97	299
250051004	2012	2	4	13	V	8.8	0.8	5.65	295
250051004	2012	2	4	14	V	9.3	1.2	5.53	289
250051004	2012	2	4	15	V	8.0	0.9	4.6	281
250051004	2012	2	4	16	V	6.8	0.9	4.32	281
250051004	2012	2	4	17	V	8.9	1.2	2.79	283
250051004	2012	2	4	18	V	5.8	1	2.79	311
250051004	2012	2	4	19	V	4.4	0.2	4.05	346
250051004	2012	2	4	20	V	4.3	0.3	3.22	345
250051004	2012	2	4	21	V	4.1	0.8	4.29	6
250051004	2012	2	4	22	V	3.6	0.9	5	6
250051004	2012	2	4	23	V	3.7	1.2	5.56	1
250051004	2012	2	4	24	V	4.8	1.3	4.93	4
250051004	2012	2	5	1	V	4.1	1.4	4.65	3
250051004	2012	2	5	2	V	5.3	1	4.49	5
250051004	2012	2	5	3	V	4.8	1	3.34	356
250051004	2012	2	5	4	V	7.3	0.9	3.39	1
250051004	2012	2	5	5	V	8.0	1.1	3.46	354
250051004	2012	2	5	6	V	6.2	1.3	4.62	11
250051004	2012	2	5	7	V	9.3	1.6	2.86	339
250051004	2012	2	5	8	V	8.3	1.7	4.36	348
250051004	2012	2	5	9	V	7.2	1.8	4.36	350
250051004	2012	2	5	10	V	8.1	2.1	3.36	5
250051004	2012	2	5	11	V	8.6	1.8	3.36	32
250051004	2012	2	5	12	V	8.4	2.1	2.12	5
250051004	2012	2	5	13	V	8.8	1.2	1.82	347
250051004	2012	2	5	14	V	9.3	1.1	2.04	294

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	5	15	V	8.2	1.3	2.2	310
250051004	2012	2	5	16	V	6.8	1	3.2	279
250051004	2012	2	5	17	V	8.9	1.4	3.44	195
250051004	2012	2	5	18	V	5.8	1.3	3.51	182
250051004	2012	2	5	19	V	4.4	1.3	1.86	215
250051004	2012	2	5	20	V	4.3	1.2	1.88	240
250051004	2012	2	5	21	V	4.1	1.4	1.77	244
250051004	2012	2	5	22	V	3.6	-999	2.47	258
250051004	2012	2	5	23	V	3.7	1.5	2.69	269
250051004	2012	2	5	24	V	4.8	2.2	1.88	269
250051004	2012	2	6	1	V	4.1	2.2	2.74	265
250051004	2012	2	6	2	V	5.3	1.8	2.39	253
250051004	2012	2	6	3	V	4.8	1.6	1.94	225
250051004	2012	2	6	4	V	7.3	1.3	2.55	224
250051004	2012	2	6	5	V	8.0	1.4	1.86	195
250051004	2012	2	6	6	V	6.2	1.5	2.96	169
250051004	2012	2	6	7	V	9.3	1.5	2.18	173
250051004	2012	2	6	8	V	8.3	1.6	3.4	223
250051004	2012	2	6	9	M	-999	1.7	3.8	226
250051004	2012	2	6	10	M	-999	1.6	5.38	230
250051004	2012	2	6	11	M	-999	1.3	5.97	239
250051004	2012	2	6	12	M	-999	1.3	6.48	244
250051004	2012	2	6	13	M	-999	1.3	6.87	250
250051004	2012	2	6	14	M	-999	1.5	6.14	256
250051004	2012	2	6	15	M	-999	1.7	6.18	261
250051004	2012	2	6	16	M	-999	2.1	5.45	242
250051004	2012	2	6	17	V	8.9	1.9	4.85	231
250051004	2012	2	6	18	V	5.8	2	5.12	224
250051004	2012	2	6	19	V	4.4	2.6	3.23	198
250051004	2012	2	6	20	V	4.3	2.2	3.52	200
250051004	2012	2	6	21	V	4.1	2.3	3.18	200
250051004	2012	2	6	22	V	3.6	2.7	3.44	201
250051004	2012	2	6	23	V	3.7	2.9	3.22	225
250051004	2012	2	6	24	V	4.8	3.1	4.31	238
250051004	2012	2	7	1	V	4.1	3.1	3.44	235
250051004	2012	2	7	2	V	5.3	3	2.4	243
250051004	2012	2	7	3	V	4.8	3.2	2.35	250
250051004	2012	2	7	4	V	7.3	3.4	1.82	246
250051004	2012	2	7	5	V	8.0	3.2	1.26	2
250051004	2012	2	7	6	V	6.2	3.8	1.69	346
250051004	2012	2	7	7	V	9.3	4.7	3.44	304
250051004	2012	2	7	8	V	8.3	4.9	3.25	300
250051004	2012	2	7	9	V	7.2	4.2	4.14	309
250051004	2012	2	7	10	V	11.4	6.7	6.06	321
250051004	2012	2	7	11	V	12.3	10.6	6.5	322
250051004	2012	2	7	12	V	11.8	11.2	5.85	321

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	7	13	V	13.7	2	5.48	325
250051004	2012	2	7	14	V	10.3	4.9	5.63	314
250051004	2012	2	7	15	V	8.4	5.8	5.92	310
250051004	2012	2	7	16	V	10.1	8.6	5.84	321
250051004	2012	2	7	17	V	9.3	7.3	5.26	329
250051004	2012	2	7	18	V	5.8	4.6	4.32	321
250051004	2012	2	7	19	V	4.4	1.1	4.07	315
250051004	2012	2	7	20	V	4.3	1.2	3.66	319
250051004	2012	2	7	21	V	4.1	1.4	3.59	334
250051004	2012	2	7	22	V	3.6	1.3	3.18	333
250051004	2012	2	7	23	V	3.7	0.7	3.85	345
250051004	2012	2	7	24	V	4.8	0.6	4.07	352
250051004	2012	2	8	1	V	4.1	0.5	3.98	352
250051004	2012	2	8	2	V	5.3	0.5	3.51	347
250051004	2012	2	8	3	V	4.8	0.7	2.4	355
250051004	2012	2	8	4	V	7.3	1.1	4.37	22
250051004	2012	2	8	5	V	8.0	1.3	3.47	18
250051004	2012	2	8	6	V	6.2	1.2	3.69	28
250051004	2012	2	8	7	V	9.3	1.5	3.25	40
250051004	2012	2	8	8	V	8.3	1.6	2.84	29
250051004	2012	2	8	9	V	7.2	1.2	2.69	27
250051004	2012	2	8	10	V	8.3	1.2	1.77	11
250051004	2012	2	8	11	V	9.5	2.2	1.13	257
250051004	2012	2	8	12	V	8.8	5.7	1.54	225
250051004	2012	2	8	13	V	9.0	4.7	1.96	206
250051004	2012	2	8	14	V	9.3	2.2	2.98	155
250051004	2012	2	8	15	V	8.0	1.7	3.54	147
250051004	2012	2	8	16	V	6.8	0.5	4.29	151
250051004	2012	2	8	17	V	8.9	0.6	4.2	161
250051004	2012	2	8	18	V	5.8	0.7	4.14	191
250051004	2012	2	8	19	V	4.4	0.9	3.18	220
250051004	2012	2	8	20	V	4.3	1.3	0.92	220
250051004	2012	2	8	21	V	4.1	1.3	1.09	185
250051004	2012	2	8	22	V	3.6	-999	2.42	211
250051004	2012	2	8	23	V	3.7	1.3	2.5	227
250051004	2012	2	8	24	V	4.8	1.3	2.67	277
250051004	2012	2	9	1	V	4.1	3	0.74	233
250051004	2012	2	9	2	V	5.3	4.1	1.53	179
250051004	2012	2	9	3	V	4.8	3.4	1.26	190
250051004	2012	2	9	4	V	7.3	2.5	0.92	258
250051004	2012	2	9	5	V	8.0	2.5	1.55	257
250051004	2012	2	9	6	V	6.2	2.4	2.52	272
250051004	2012	2	9	7	V	9.3	3.5	2.28	268
250051004	2012	2	9	8	V	8.3	4.2	2.38	265
250051004	2012	2	9	9	V	7.2	4	4.05	306
250051004	2012	2	9	10	V	9.9	12.8	5.24	315

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	9	11	V	8.8	6.3	4.82	303
250051004	2012	2	9	12	V	8.7	2.6	4.68	301
250051004	2012	2	9	13	V	10.9	1.7	4.22	314
250051004	2012	2	9	14	V	9.3	1.4	4.95	274
250051004	2012	2	9	15	V	8.0	1.7	4.88	278
250051004	2012	2	9	16	V	6.8	1.7	4.51	288
250051004	2012	2	9	17	V	8.9	2.2	4.29	297
250051004	2012	2	9	18	V	5.8	1.6	2.5	270
250051004	2012	2	9	19	V	4.4	1.7	2.13	259
250051004	2012	2	9	20	V	4.3	2.2	1.94	255
250051004	2012	2	9	21	V	4.1	1.6	2.06	275
250051004	2012	2	9	22	V	3.6	1.7	1.47	246
250051004	2012	2	9	23	V	3.7	2.2	1.21	205
250051004	2012	2	9	24	V	4.8	2.2	1.67	172
250051004	2012	2	10	1	V	4.1	1.9	1.25	168
250051004	2012	2	10	2	V	5.3	1.8	0.87	210
250051004	2012	2	10	3	V	4.8	2.1	1.81	200
250051004	2012	2	10	4	V	7.3	1.9	1.72	230
250051004	2012	2	10	5	V	8.0	4.2	1.3	263
250051004	2012	2	10	6	V	6.2	3.3	1.42	220
250051004	2012	2	10	7	V	9.3	3.1	1.5	218
250051004	2012	2	10	8	V	8.3	5.9	1.3	189
250051004	2012	2	10	9	V	7.2	4	1.88	217
250051004	2012	2	10	10	V	8.2	6.1	3.83	199
250051004	2012	2	10	11	V	8.6	4.8	5.41	222
250051004	2012	2	10	12	V	8.5	5	4.65	217
250051004	2012	2	10	13	V	8.8	6.2	4.97	237
250051004	2012	2	10	14	V	9.3	3.1	6.01	222
250051004	2012	2	10	15	V	8.0	2.9	7.16	216
250051004	2012	2	10	16	V	6.8	2.6	7.04	217
250051004	2012	2	10	17	V	8.9	2.5	6.14	212
250051004	2012	2	10	18	V	5.8	2.6	5.16	207
250051004	2012	2	10	19	V	4.4	2.3	4.7	205
250051004	2012	2	10	20	V	4.3	1.8	3.35	198
250051004	2012	2	10	21	V	4.1	1.7	3.03	202
250051004	2012	2	10	22	V	3.6	1.6	2.62	208
250051004	2012	2	10	23	V	3.7	1.3	5.21	216
250051004	2012	2	10	24	V	4.8	1.1	4.88	235
250051004	2012	2	11	1	V	4.1	1.1	3.52	244
250051004	2012	2	11	2	V	5.3	1.6	3.59	278
250051004	2012	2	11	3	V	4.8	1.8	2.88	282
250051004	2012	2	11	4	V	7.3	1.8	2.06	260
250051004	2012	2	11	5	V	8.0	1.6	1.76	249
250051004	2012	2	11	6	V	6.2	2	0.86	262
250051004	2012	2	11	7	V	9.3	2.5	1.57	286
250051004	2012	2	11	8	V	8.3	2.4	1.52	315

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	11	9	V	7.2	2.5	2.16	347
250051004	2012	2	11	10	V	8.2	2.6	2.79	354
250051004	2012	2	11	11	V	8.6	2.4	3.69	6
250051004	2012	2	11	12	V	8.5	2.3	3.8	5
250051004	2012	2	11	13	V	8.8	2.1	4.39	1
250051004	2012	2	11	14	V	9.3	2.2	4.24	8
250051004	2012	2	11	15	V	8.0	2.2	5.09	9
250051004	2012	2	11	16	V	6.8	2.5	5.56	22
250051004	2012	2	11	17	V	8.9	2.6	5.43	31
250051004	2012	2	11	18	V	5.8	2.7	4.56	37
250051004	2012	2	11	19	V	4.4	2.4	4.95	18
250051004	2012	2	11	20	V	4.3	2.3	7.11	4
250051004	2012	2	11	21	V	4.1	2	6.35	358
250051004	2012	2	11	22	V	3.6	-999	5.26	345
250051004	2012	2	11	23	V	3.7	3.3	6.91	342
250051004	2012	2	11	24	V	4.8	2.8	6.64	342
250051004	2012	2	12	1	V	4.1	3.8	6.01	335
250051004	2012	2	12	2	V	5.6	14.3	6.64	329
250051004	2012	2	12	3	V	6.4	19.8	8.33	325
250051004	2012	2	12	4	V	8.7	11.9	8.27	325
250051004	2012	2	12	5	V	8.2	10.3	7.66	331
250051004	2012	2	12	6	V	6.2	5.8	6.99	316
250051004	2012	2	12	7	V	9.4	26.6	5.9	324
250051004	2012	2	12	8	V	8.3	7.3	5.7	307
250051004	2012	2	12	9	V	7.2	2	6.18	302
250051004	2012	2	12	10	V	8.4	2	6.81	309
250051004	2012	2	12	11	V	8.6	3.1	6.94	301
250051004	2012	2	12	12	V	8.6	2.8	7.88	306
250051004	2012	2	12	13	V	8.8	2.9	9.98	299
250051004	2012	2	12	14	V	9.3	2.4	9.68	305
250051004	2012	2	12	15	V	8.0	2.5	9.58	292
250051004	2012	2	12	16	V	6.8	2	10.22	282
250051004	2012	2	12	17	V	8.9	2	10.61	294
250051004	2012	2	12	18	V	5.8	2.1	7.71	298
250051004	2012	2	12	19	V	4.4	2.2	5.73	297
250051004	2012	2	12	20	V	4.3	1.9	6.91	303
250051004	2012	2	12	21	V	4.1	1.7	6.96	297
250051004	2012	2	12	22	V	3.6	1.8	6.4	304
250051004	2012	2	12	23	V	3.7	1.5	5.26	294
250051004	2012	2	12	24	V	4.8	1.5	4.71	297
250051004	2012	2	13	1	V	4.1	1.4	3.81	306
250051004	2012	2	13	2	V	5.3	1.7	2.5	283
250051004	2012	2	13	3	V	4.8	1.8	2.86	250
250051004	2012	2	13	4	V	7.3	-999	2.4	218
250051004	2012	2	13	5	V	8.0	1.9	3	228
250051004	2012	2	13	6	V	6.2	1.7	3.61	214

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	13	7	V	9.3	1.8	3.71	223
250051004	2012	2	13	8	V	8.3	1.9	4.22	218
250051004	2012	2	13	9	V	7.2	1.6	6.14	236
250051004	2012	2	13	10	V	8.1	1.8	7.25	250
250051004	2012	2	13	11	V	8.6	1.6	7.11	252
250051004	2012	2	13	12	V	8.4	1.3	7.67	265
250051004	2012	2	13	13	V	8.8	1.5	7.49	272
250051004	2012	2	13	14	V	9.3	1.4	7.38	252
250051004	2012	2	13	15	V	8.0	1.5	6.94	249
250051004	2012	2	13	16	V	6.8	1.4	6.28	254
250051004	2012	2	13	17	V	8.9	1.3	5.24	255
250051004	2012	2	13	18	V	5.8	1.3	3.49	232
250051004	2012	2	13	19	V	4.4	1.6	2.47	226
250051004	2012	2	13	20	V	4.3	1.9	2.47	192
250051004	2012	2	13	21	V	4.1	1.9	1.54	244
250051004	2012	2	13	22	V	3.6	1.7	2.08	274
250051004	2012	2	13	23	V	3.7	1.5	3.03	255
250051004	2012	2	13	24	V	4.8	1.8	3.2	248
250051004	2012	2	14	1	V	4.1	2	1.59	266
250051004	2012	2	14	2	V	5.3	2	1.31	188
250051004	2012	2	14	3	V	4.8	2.3	1.28	194
250051004	2012	2	14	4	V	7.3	2.5	1.47	224
250051004	2012	2	14	5	V	8.0	2.9	1.38	227
250051004	2012	2	14	6	V	6.2	3.5	1.6	182
250051004	2012	2	14	7	V	9.3	4.4	0.74	153
250051004	2012	2	14	8	V	8.3	4	0.74	189
250051004	2012	2	14	9	V	7.2	4.6	1.3	198
250051004	2012	2	14	10	V	8.2	7.4	1.37	143
250051004	2012	2	14	11	V	8.8	13.5	1.47	135
250051004	2012	2	14	12	V	8.5	17.3	3.08	160
250051004	2012	2	14	13	V	8.8	7.6	3.54	152
250051004	2012	2	14	14	V	9.3	6	3.63	153
250051004	2012	2	14	15	V	8.0	4.7	3.76	160
250051004	2012	2	14	16	V	6.8	2.5	3.58	175
250051004	2012	2	14	17	V	8.9	2.4	3.58	190
250051004	2012	2	14	18	V	5.8	2.5	2.59	183
250051004	2012	2	14	19	V	4.4	2.6	2.42	182
250051004	2012	2	14	20	V	4.3	2.8	1.86	174
250051004	2012	2	14	21	V	4.1	2.4	0.69	107
250051004	2012	2	14	22	V	3.6	-999	0.84	266
250051004	2012	2	14	23	V	3.7	2.2	1.01	286
250051004	2012	2	14	24	V	4.8	2.2	1.04	267
250051004	2012	2	15	1	V	4.1	1.5	1.06	286
250051004	2012	2	15	2	V	5.3	1.5	1.77	274
250051004	2012	2	15	3	V	4.8	1.7	0.77	239
250051004	2012	2	15	4	V	7.3	1.6	1.01	84

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	15	5	V	8.0	3.5	0.91	191
250051004	2012	2	15	6	V	6.2	2.2	0.89	196
250051004	2012	2	15	7	V	9.3	1.7	1.09	277
250051004	2012	2	15	8	V	8.3	1.6	1.08	287
250051004	2012	2	15	9	C	-999	1.9	0	0
250051004	2012	2	15	10	V	8.1	2.1	0.62	120
250051004	2012	2	15	11	V	8.6	2.2	0.77	243
250051004	2012	2	15	12	V	8.4	2.5	0.99	235
250051004	2012	2	15	13	V	8.8	3.7	1.35	263
250051004	2012	2	15	14	V	9.3	2.3	1.99	288
250051004	2012	2	15	15	V	8.0	2.1	2.06	321
250051004	2012	2	15	16	V	6.8	1.4	1.62	360
250051004	2012	2	15	17	V	8.9	1.7	1.5	39
250051004	2012	2	15	18	V	5.8	2.1	1.81	42
250051004	2012	2	15	19	V	4.4	2.2	1.52	38
250051004	2012	2	15	20	V	4.3	2	1.47	10
250051004	2012	2	15	21	V	4.1	1.8	1.52	270
250051004	2012	2	15	22	V	3.6	1.5	2.13	293
250051004	2012	2	15	23	V	3.7	1.5	2.61	313
250051004	2012	2	15	24	V	4.8	2.3	2.57	303
250051004	2012	2	16	1	V	4.1	2.3	3.1	301
250051004	2012	2	16	2	V	5.3	2.5	2.45	312
250051004	2012	2	16	3	V	4.8	3.7	1.45	301
250051004	2012	2	16	4	V	7.3	2.3	1.37	263
250051004	2012	2	16	5	V	8.0	3	1.96	268
250051004	2012	2	16	6	V	6.2	3	1.47	266
250051004	2012	2	16	7	V	9.3	3.3	1.28	301
250051004	2012	2	16	8	V	8.3	4.7	0.92	279
250051004	2012	2	16	9	V	7.2	10.9	1.13	285
250051004	2012	2	16	10	V	8.1	24.1	0.92	277
250051004	2012	2	16	11	V	8.6	9	1.3	81
250051004	2012	2	16	12	V	8.4	6.4	1.76	98
250051004	2012	2	16	13	V	8.8	6.2	3.35	162
250051004	2012	2	16	14	V	9.3	4.8	3.52	156
250051004	2012	2	16	15	V	8.0	3.3	3.97	161
250051004	2012	2	16	16	V	6.8	2.1	3.37	181
250051004	2012	2	16	17	V	8.9	2.2	2.59	214
250051004	2012	2	16	18	V	5.8	2	1.84	269
250051004	2012	2	16	19	V	4.4	-999	1.09	112
250051004	2012	2	16	20	V	4.3	2.2	2.62	167
250051004	2012	2	16	21	V	4.1	1.1	3.18	208
250051004	2012	2	16	22	V	3.6	1.2	2.4	188
250051004	2012	2	16	23	V	3.7	0.5	2.55	175
250051004	2012	2	16	24	V	4.8	0.7	1.86	192
250051004	2012	2	17	1	V	4.1	1	2.52	190
250051004	2012	2	17	2	V	5.3	1	2.78	188

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	17	3	V	4.8	0.9	2.49	193
250051004	2012	2	17	4	V	7.3	1.8	3.86	196
250051004	2012	2	17	5	V	8.0	3.3	3.69	189
250051004	2012	2	17	6	V	6.2	2.7	3.47	182
250051004	2012	2	17	7	V	9.3	4.2	2.78	188
250051004	2012	2	17	8	V	8.3	4.5	1.89	182
250051004	2012	2	17	9	V	7.2	3.3	1.26	178
250051004	2012	2	17	10	V	8.1	2	2.52	240
250051004	2012	2	17	11	V	8.6	1.8	3.32	280
250051004	2012	2	17	12	V	8.4	1.9	3.39	299
250051004	2012	2	17	13	V	8.8	3.2	3.85	287
250051004	2012	2	17	14	V	9.3	2.7	5.09	289
250051004	2012	2	17	15	V	8.0	2.2	4.71	303
250051004	2012	2	17	16	V	6.8	1.7	5.17	306
250051004	2012	2	17	17	V	8.9	1.3	5.56	296
250051004	2012	2	17	18	V	5.8	1.2	4.59	304
250051004	2012	2	17	19	V	4.4	1.4	5.38	313
250051004	2012	2	17	20	V	4.3	0.9	3.01	309
250051004	2012	2	17	21	V	4.1	1	2.03	277
250051004	2012	2	17	22	V	3.6	1.5	1.77	266
250051004	2012	2	17	23	V	3.7	2.1	1.21	235
250051004	2012	2	17	24	V	4.8	1.7	1.76	211
250051004	2012	2	18	1	V	4.1	1.5	2.38	263
250051004	2012	2	18	2	V	5.3	1.3	2.27	246
250051004	2012	2	18	3	V	4.8	1.4	2.5	268
250051004	2012	2	18	4	V	7.3	1.2	3.27	262
250051004	2012	2	18	5	V	8.0	1.2	4.12	272
250051004	2012	2	18	6	V	6.2	1.3	3.9	265
250051004	2012	2	18	7	V	9.3	1.2	3.73	252
250051004	2012	2	18	8	V	8.3	1.1	4.54	257
250051004	2012	2	18	9	V	7.2	1.1	5.97	278
250051004	2012	2	18	10	V	8.1	1	6.16	288
250051004	2012	2	18	11	V	8.6	1.5	5.21	285
250051004	2012	2	18	12	V	8.4	1.2	5.21	275
250051004	2012	2	18	13	V	8.8	1.1	5.14	284
250051004	2012	2	18	14	V	9.3	0.9	5.72	268
250051004	2012	2	18	15	V	8.0	1	5.73	255
250051004	2012	2	18	16	V	6.8	1	6.57	257
250051004	2012	2	18	17	V	8.9	1.1	6.5	241
250051004	2012	2	18	18	V	5.8	1.2	5.51	231
250051004	2012	2	18	19	V	4.4	1.3	5.1	232
250051004	2012	2	18	20	V	4.3	1.5	4.88	242
250051004	2012	2	18	21	V	4.1	1.4	4.43	252
250051004	2012	2	18	22	V	3.6	1.5	3.58	257
250051004	2012	2	18	23	V	3.7	1.5	2.66	253
250051004	2012	2	18	24	V	4.8	1.5	3.05	268

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	19	1	V	4.1	1.7	2.23	282
250051004	2012	2	19	2	V	5.3	1.9	2.81	302
250051004	2012	2	19	3	V	4.8	3.8	1.77	313
250051004	2012	2	19	4	V	7.3	1.7	1.89	283
250051004	2012	2	19	5	V	8.0	2.9	2.32	272
250051004	2012	2	19	6	V	6.2	2.5	2.54	283
250051004	2012	2	19	7	V	9.3	3.3	2.66	328
250051004	2012	2	19	8	V	8.3	3.3	3.12	333
250051004	2012	2	19	9	V	7.2	4.3	4.58	340
250051004	2012	2	19	10	V	8.1	2.9	4.78	345
250051004	2012	2	19	11	V	8.6	2.4	4.31	352
250051004	2012	2	19	12	V	8.4	1.7	3.63	7
250051004	2012	2	19	13	V	8.8	3.2	2.27	14
250051004	2012	2	19	14	V	9.3	1	1.93	16
250051004	2012	2	19	15	V	8.0	1.1	2.25	105
250051004	2012	2	19	16	V	6.8	0.9	1.86	142
250051004	2012	2	19	17	V	8.9	1	4.36	188
250051004	2012	2	19	18	V	5.8	1.2	3.59	217
250051004	2012	2	19	19	V	4.4	-999	1.57	210
250051004	2012	2	19	20	V	4.3	1.2	2.01	183
250051004	2012	2	19	21	V	4.1	1.3	1.53	230
250051004	2012	2	19	22	V	3.6	1.4	3.32	358
250051004	2012	2	19	23	V	3.7	1.5	3.17	9
250051004	2012	2	19	24	V	4.8	1.4	4.66	15
250051004	2012	2	20	1	V	4.1	2.1	5.77	9
250051004	2012	2	20	2	V	5.3	1.9	5.65	9
250051004	2012	2	20	3	V	4.8	1.5	5.73	9
250051004	2012	2	20	4	V	7.3	1.4	6.19	6
250051004	2012	2	20	5	V	8.0	1.4	6.31	4
250051004	2012	2	20	6	V	6.2	1.5	6.16	358
250051004	2012	2	20	7	V	9.3	1.7	6.14	354
250051004	2012	2	20	8	V	8.3	1.6	6.43	351
250051004	2012	2	20	9	V	7.2	1.4	7.76	354
250051004	2012	2	20	10	V	8.1	2	7.88	354
250051004	2012	2	20	11	V	8.6	3.7	6.92	353
250051004	2012	2	20	12	V	8.4	2.7	6.57	349
250051004	2012	2	20	13	V	8.8	2.5	5.92	351
250051004	2012	2	20	14	V	9.3	1.2	7.38	349
250051004	2012	2	20	15	V	8.0	1.4	7.45	347
250051004	2012	2	20	16	V	6.8	1.1	7.43	350
250051004	2012	2	20	17	V	8.9	0.6	8.08	352
250051004	2012	2	20	18	V	5.8	0.2	6.46	347
250051004	2012	2	20	19	V	4.4	0.8	6.69	350
250051004	2012	2	20	20	V	4.3	0.8	5.11	342
250051004	2012	2	20	21	V	4.1	1.1	4.37	340
250051004	2012	2	20	22	V	3.6	3.3	2.04	307

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	20	23	V	3.7	0.7	1.47	288
250051004	2012	2	20	24	V	4.8	4.9	1.79	307
250051004	2012	2	21	1	V	4.1	3.3	2.11	295
250051004	2012	2	21	2	V	5.3	1.7	2.37	306
250051004	2012	2	21	3	V	4.8	8.8	2.11	308
250051004	2012	2	21	4	V	7.3	9.7	1.89	289
250051004	2012	2	21	5	V	8.0	2.9	1.86	312
250051004	2012	2	21	6	V	6.2	5.8	0.79	324
250051004	2012	2	21	7	V	9.3	2.8	1.47	260
250051004	2012	2	21	8	V	8.3	2.4	1.2	240
250051004	2012	2	21	9	V	7.2	2	0.97	172
250051004	2012	2	21	10	V	8.1	0.9	1.6	155
250051004	2012	2	21	11	V	8.6	2.5	3	167
250051004	2012	2	21	12	V	8.4	2.5	3.91	150
250051004	2012	2	21	13	V	8.8	3.5	6.4	150
250051004	2012	2	21	14	V	9.3	2.2	6.75	184
250051004	2012	2	21	15	V	8.0	0.7	7.2	192
250051004	2012	2	21	16	V	6.8	0.9	7.21	200
250051004	2012	2	21	17	V	8.9	0.8	7.35	195
250051004	2012	2	21	18	V	5.8	1.1	5.07	173
250051004	2012	2	21	19	V	4.4	1	4.32	182
250051004	2012	2	21	20	V	4.3	1.1	4.36	193
250051004	2012	2	21	21	V	4.1	0.9	3.75	192
250051004	2012	2	21	22	V	3.6	0.8	3.12	193
250051004	2012	2	21	23	V	3.7	1	2.5	184
250051004	2012	2	21	24	V	4.8	1	1.33	133
250051004	2012	2	22	1	V	4.1	0.9	1.57	192
250051004	2012	2	22	2	V	5.3	0.9	1.06	170
250051004	2012	2	22	3	V	4.8	1	3.07	178
250051004	2012	2	22	4	V	7.3	1.2	2.89	186
250051004	2012	2	22	5	V	8.0	2.8	2.69	174
250051004	2012	2	22	6	V	6.2	2.4	2.81	182
250051004	2012	2	22	7	V	9.3	2.1	2.86	182
250051004	2012	2	22	8	V	8.3	5.9	3.34	183
250051004	2012	2	22	9	V	7.2	7.1	3.44	209
250051004	2012	2	22	10	V	8.1	6.2	4.44	238
250051004	2012	2	22	11	V	8.6	4.7	4.15	242
250051004	2012	2	22	12	V	8.4	5.2	6.36	249
250051004	2012	2	22	13	V	8.8	9.7	6.23	248
250051004	2012	2	22	14	V	9.3	8.7	6.14	260
250051004	2012	2	22	15	V	8.0	5	6.55	236
250051004	2012	2	22	16	V	6.8	2.3	6.46	230
250051004	2012	2	22	17	V	8.9	2	5.95	227
250051004	2012	2	22	18	V	5.8	2	4.8	217
250051004	2012	2	22	19	V	4.4	-999	3.9	205
250051004	2012	2	22	20	V	4.3	1.7	4	206

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	22	21	V	4.1	1.7	5.04	209
250051004	2012	2	22	22	V	3.6	1.4	3.54	195
250051004	2012	2	22	23	V	3.7	1.5	3.69	196
250051004	2012	2	22	24	V	4.8	1.2	3.24	194
250051004	2012	2	23	1	V	4.1	1.5	3.32	199
250051004	2012	2	23	2	V	5.3	1.8	1.48	167
250051004	2012	2	23	3	V	4.8	2.3	1.98	141
250051004	2012	2	23	4	V	7.3	2	3.4	157
250051004	2012	2	23	5	V	8.0	2	3.12	159
250051004	2012	2	23	6	V	6.2	3.9	3.75	193
250051004	2012	2	23	7	V	9.3	8.3	4.31	229
250051004	2012	2	23	8	V	8.3	10	2.98	228
250051004	2012	2	23	9	V	7.2	4.7	4.15	253
250051004	2012	2	23	10	V	8.1	3.5	3.42	272
250051004	2012	2	23	11	V	8.6	3.6	3.23	260
250051004	2012	2	23	12	V	8.4	3.5	5.43	267
250051004	2012	2	23	13	V	8.8	3.2	7.25	293
250051004	2012	2	23	14	V	9.3	2.7	8.64	289
250051004	2012	2	23	15	V	8.0	1.7	9.02	285
250051004	2012	2	23	16	V	6.8	1.5	8.49	296
250051004	2012	2	23	17	V	8.9	1.4	7.2	297
250051004	2012	2	23	18	V	5.8	1.2	6.19	289
250051004	2012	2	23	19	V	4.4	1.1	5.05	298
250051004	2012	2	23	20	V	4.3	1.4	3.15	305
250051004	2012	2	23	21	V	4.1	1.5	1.86	317
250051004	2012	2	23	22	V	3.6	1.8	0.97	271
250051004	2012	2	23	23	V	3.7	1.8	1.67	233
250051004	2012	2	23	24	V	4.8	1.8	1.87	272
250051004	2012	2	24	1	V	4.1	2.5	1.94	310
250051004	2012	2	24	2	V	5.3	3.2	1.81	88
250051004	2012	2	24	3	V	4.8	2.8	1.43	199
250051004	2012	2	24	4	V	7.3	3.5	1.42	292
250051004	2012	2	24	5	V	8.0	3.4	0.89	110
250051004	2012	2	24	6	V	6.2	1.7	2.66	130
250051004	2012	2	24	7	V	9.3	1.4	2.11	101
250051004	2012	2	24	8	V	8.3	1.4	1.82	85
250051004	2012	2	24	9	V	7.2	1.5	1.91	42
250051004	2012	2	24	10	V	8.1	1.5	2.83	52
250051004	2012	2	24	11	V	8.6	1.5	2.91	48
250051004	2012	2	24	12	V	8.4	1.5	3.01	55
250051004	2012	2	24	13	V	8.8	1.6	2.89	69
250051004	2012	2	24	14	V	9.3	1.7	3.25	66
250051004	2012	2	24	15	V	8.0	1.6	3.35	71
250051004	2012	2	24	16	V	6.8	1.3	2.79	71
250051004	2012	2	24	17	V	8.9	1.6	2.83	68
250051004	2012	2	24	18	V	5.8	1.7	2.83	54

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	24	19	V	4.4	1.6	2.03	88
250051004	2012	2	24	20	V	4.3	1.9	2.67	122
250051004	2012	2	24	21	V	4.1	1.8	1.45	132
250051004	2012	2	24	22	V	3.6	2.1	1.48	2
250051004	2012	2	24	23	V	3.7	2	4.09	311
250051004	2012	2	24	24	V	4.8	2	3.35	295
250051004	2012	2	25	1	V	4.1	2	6.24	267
250051004	2012	2	25	2	V	5.3	2.1	7.67	261
250051004	2012	2	25	3	V	4.8	2.2	6.28	262
250051004	2012	2	25	4	V	7.3	2.2	7.59	253
250051004	2012	2	25	5	V	8.0	2.3	7.83	250
250051004	2012	2	25	6	V	6.2	2.3	8.28	250
250051004	2012	2	25	7	V	9.3	2.3	9.12	252
250051004	2012	2	25	8	V	8.3	2	9.76	251
250051004	2012	2	25	9	V	7.2	2.2	10.46	252
250051004	2012	2	25	10	V	8.1	2.4	12.75	255
250051004	2012	2	25	11	V	8.6	2.3	11.53	258
250051004	2012	2	25	12	V	8.4	2.1	11.79	261
250051004	2012	2	25	13	V	8.8	2.2	12.33	264
250051004	2012	2	25	14	V	9.3	2.1	11.53	266
250051004	2012	2	25	15	V	8.0	2	11.09	269
250051004	2012	2	25	16	V	6.8	2	10.32	276
250051004	2012	2	25	17	V	8.9	2	8.73	283
250051004	2012	2	25	18	V	5.8	1.8	8.28	272
250051004	2012	2	25	19	V	4.4	-999	7.57	277
250051004	2012	2	25	20	V	4.3	1.3	8.81	284
250051004	2012	2	25	21	V	4.1	1.6	7.83	288
250051004	2012	2	25	22	V	3.6	1.5	8.78	287
250051004	2012	2	25	23	V	3.7	1.4	7.38	295
250051004	2012	2	25	24	V	4.8	1.3	8.13	285
250051004	2012	2	26	1	V	4.1	1.2	6.91	294
250051004	2012	2	26	2	V	5.3	1.3	7.6	290
250051004	2012	2	26	3	V	4.8	1.4	5.63	292
250051004	2012	2	26	4	V	7.3	1.3	6.74	288
250051004	2012	2	26	5	V	8.0	1.1	5.9	295
250051004	2012	2	26	6	V	6.2	1.6	6.28	289
250051004	2012	2	26	7	V	9.3	1.2	6.62	281
250051004	2012	2	26	8	V	8.3	1.2	6.31	295
250051004	2012	2	26	9	V	7.2	0.9	7.4	292
250051004	2012	2	26	10	V	8.1	0.8	7.23	289
250051004	2012	2	26	11	V	8.6	1.3	6.07	296
250051004	2012	2	26	12	V	8.5	1.3	6.26	303
250051004	2012	2	26	13	V	8.8	0.6	6.58	295
250051004	2012	2	26	14	V	9.3	0.7	7.01	294
250051004	2012	2	26	15	V	8.0	0.7	6.07	291
250051004	2012	2	26	16	V	6.8	0.8	5.94	282

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	26	17	V	8.9	0.4	6.06	287
250051004	2012	2	26	18	V	5.8	0.7	4.27	280
250051004	2012	2	26	19	V	4.4	0.6	2.52	275
250051004	2012	2	26	20	V	4.3	0.7	1.77	229
250051004	2012	2	26	21	V	4.1	1.1	1.69	257
250051004	2012	2	26	22	V	3.6	1.5	1.72	282
250051004	2012	2	26	23	V	3.7	2.6	1.47	267
250051004	2012	2	26	24	V	4.8	2.8	1.11	242
250051004	2012	2	27	1	V	4.1	2.2	1.54	276
250051004	2012	2	27	2	V	5.3	1.5	1.23	254
250051004	2012	2	27	3	V	4.8	1.8	0.7	323
250051004	2012	2	27	4	V	7.3	-999	1.38	241
250051004	2012	2	27	5	V	8.0	2.3	1.25	284
250051004	2012	2	27	6	V	6.2	2	1.21	271
250051004	2012	2	27	7	V	9.3	3.5	0.87	262
250051004	2012	2	27	8	V	8.3	3	0.63	26
250051004	2012	2	27	9	V	8.4	1.2	0.68	114
250051004	2012	2	27	10	V	8.1	1.1	3.63	162
250051004	2012	2	27	11	V	8.6	3.6	6.46	199
250051004	2012	2	27	12	V	8.4	6.1	6.87	203
250051004	2012	2	27	13	V	8.8	4.5	7.91	206
250051004	2012	2	27	14	V	9.3	4.6	8.32	210
250051004	2012	2	27	15	V	8.0	2.6	8.74	209
250051004	2012	2	27	16	V	6.8	1.1	7.83	210
250051004	2012	2	27	17	V	8.9	1.1	8.37	203
250051004	2012	2	27	18	V	5.8	1	7.57	210
250051004	2012	2	27	19	V	4.4	1	6.45	210
250051004	2012	2	27	20	V	4.3	1	5.89	224
250051004	2012	2	27	21	V	4.1	1.1	4.88	242
250051004	2012	2	27	22	V	3.6	1.3	3.46	245
250051004	2012	2	27	23	V	3.7	1.2	3.59	250
250051004	2012	2	27	24	V	4.8	1.4	4.51	247
250051004	2012	2	28	1	V	4.1	1.3	3.2	297
250051004	2012	2	28	2	V	5.3	1.5	3.4	312
250051004	2012	2	28	3	V	4.8	1.5	7.37	307
250051004	2012	2	28	4	V	7.3	1	7.11	307
250051004	2012	2	28	5	V	8.0	0.9	4.85	300
250051004	2012	2	28	6	V	6.2	1	5.21	299
250051004	2012	2	28	7	V	9.3	1.1	6.26	291
250051004	2012	2	28	8	V	8.3	1.5	5.51	298
250051004	2012	2	28	9	V	7.2	1.1	8.32	299
250051004	2012	2	28	10	V	8.1	1	7.6	304
250051004	2012	2	28	11	V	9.2	1.1	7.21	315
250051004	2012	2	28	12	V	8.5	0.9	6.07	304
250051004	2012	2	28	13	V	8.8	-999	6.82	299
250051004	2012	2	28	14	V	10.4	-999	6.57	318

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	2	28	15	V	8.2	-999	5.16	309
250051004	2012	2	28	16	V	9.2	-999	6.46	329
250051004	2012	2	28	17	V	9.1	0.7	4.86	342
250051004	2012	2	28	18	V	5.8	0.6	3.32	291
250051004	2012	2	28	19	V	4.4	-999	2.62	299
250051004	2012	2	28	20	V	4.3	0.7	3.07	14
250051004	2012	2	28	21	V	4.1	0.6	3.23	38
250051004	2012	2	28	22	V	3.6	0.7	3.73	43
250051004	2012	2	28	23	V	3.7	1.8	4.31	39
250051004	2012	2	28	24	V	4.8	1.2	5.07	43
250051004	2012	2	29	1	V	4.1	0.8	2.1	48
250051004	2012	2	29	2	V	5.3	1.4	2.28	50
250051004	2012	2	29	3	V	4.8	1.2	2.27	43
250051004	2012	2	29	4	V	7.3	1.4	1.14	72
250051004	2012	2	29	5	V	8.0	1.4	1.72	47
250051004	2012	2	29	6	V	6.2	1.4	2.16	53
250051004	2012	2	29	7	V	9.3	2.1	2.01	38
250051004	2012	2	29	8	V	8.3	3.1	2.49	53
250051004	2012	2	29	9	V	7.2	1.2	2.67	47
250051004	2012	2	29	10	V	8.2	0.9	2.45	61
250051004	2012	2	29	11	V	8.6	0.9	2.44	84
250051004	2012	2	29	12	V	8.4	1	2.76	74
250051004	2012	2	29	13	V	8.8	0.6	2.04	105
250051004	2012	2	29	14	V	9.3	0.6	2.62	84
250051004	2012	2	29	15	V	8.0	0.6	2.88	73
250051004	2012	2	29	16	V	6.8	0.7	3.74	66
250051004	2012	2	29	17	V	8.9	0.6	4.26	69
250051004	2012	2	29	18	V	5.8	0.5	4.76	67
250051004	2012	2	29	19	V	4.4	0.7	3.85	68
250051004	2012	2	29	20	V	4.3	0.7	3.25	59
250051004	2012	2	29	21	V	4.1	0.7	3.3	45
250051004	2012	2	29	22	V	3.6	0.8	3.73	43
250051004	2012	2	29	23	V	3.7	0.9	4.31	39
250051004	2012	2	29	24	V	4.8	0.9	5.17	42
250051004	2012	3	1	1	V	5.5	0.8	5.6	31
250051004	2012	3	1	2	V	8.4	0.9	5.09	32
250051004	2012	3	1	3	V	4.7	1	5.17	41
250051004	2012	3	1	4	V	5.4	0.9	5.38	33
250051004	2012	3	1	5	V	4.8	1.1	6.28	46
250051004	2012	3	1	6	V	5.0	1.2	5.8	52
250051004	2012	3	1	7	V	6.8	1.2	4.31	26
250051004	2012	3	1	8	V	6.1	1.2	5.29	26
250051004	2012	3	1	9	V	5.8	1.2	6.04	19
250051004	2012	3	1	10	V	5.4	1.5	5.55	23
250051004	2012	3	1	11	V	9.3	1.3	5.56	22
250051004	2012	3	1	12	V	7.8	1.4	5.12	13

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	1	13	V	11.8	1.4	6.01	26
250051004	2012	3	1	14	V	8.3	1.3	6.41	16
250051004	2012	3	1	15	V	3.3	1.2	6.55	17
250051004	2012	3	1	16	V	2.3	0.9	7.31	19
250051004	2012	3	1	17	V	3.6	1.2	7.77	14
250051004	2012	3	1	18	V	2.5	1.1	7.38	354
250051004	2012	3	1	19	V	2.3	1.1	6.58	344
250051004	2012	3	1	20	V	2.0	1.1	6.4	347
250051004	2012	3	1	21	V	2.3	1	6.28	346
250051004	2012	3	1	22	V	2.1	1	6.81	350
250051004	2012	3	1	23	V	2.6	1.1	7.21	354
250051004	2012	3	1	24	V	2.8	1	6.64	358
250051004	2012	3	2	1	V	5.5	1	6.94	360
250051004	2012	3	2	2	V	8.4	1	6.52	2
250051004	2012	3	2	3	V	4.7	1.1	5.9	1
250051004	2012	3	2	4	V	5.4	0.9	4.82	357
250051004	2012	3	2	5	V	4.8	0.8	4.9	356
250051004	2012	3	2	6	V	5.0	1.1	4.58	358
250051004	2012	3	2	7	V	6.8	1.3	4.41	355
250051004	2012	3	2	8	V	6.1	1.2	4.59	4
250051004	2012	3	2	9	V	5.8	1.3	3.76	11
250051004	2012	3	2	10	V	5.4	1.5	3.29	19
250051004	2012	3	2	11	V	9.3	1.5	3.03	38
250051004	2012	3	2	12	V	7.8	1.6	2.27	59
250051004	2012	3	2	13	V	11.8	1.1	1.87	111
250051004	2012	3	2	14	V	8.3	0.9	1.55	105
250051004	2012	3	2	15	V	3.3	0.8	1.62	131
250051004	2012	3	2	16	V	2.3	0.8	2.47	96
250051004	2012	3	2	17	V	3.6	0.9	2.52	103
250051004	2012	3	2	18	V	2.5	0.9	2.04	111
250051004	2012	3	2	19	V	2.3	-999	2.1	120
250051004	2012	3	2	20	V	2.0	0.7	3.06	126
250051004	2012	3	2	21	V	2.3	1	3.9	105
250051004	2012	3	2	22	V	2.1	1.1	3.29	104
250051004	2012	3	2	23	V	2.6	1.2	3.78	96
250051004	2012	3	2	24	V	2.8	1	3.2	120
250051004	2012	3	3	1	V	5.5	1	4.68	129
250051004	2012	3	3	2	V	8.4	1	5.5	125
250051004	2012	3	3	3	V	4.7	0.9	4.54	126
250051004	2012	3	3	4	V	5.4	1.1	4.66	136
250051004	2012	3	3	5	V	4.8	0.9	4.46	134
250051004	2012	3	3	6	V	5.0	1.1	4.56	135
250051004	2012	3	3	7	V	6.8	1.3	3.92	129
250051004	2012	3	3	8	V	6.1	1.4	3.15	120
250051004	2012	3	3	9	V	5.8	1.4	2.52	120
250051004	2012	3	3	10	V	5.7	1.7	1.67	2

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	3	11	V	26.6	1.8	1.53	318
250051004	2012	3	3	12	V	19.0	1.9	0.65	336
250051004	2012	3	3	13	V	12.4	1.9	1.42	10
250051004	2012	3	3	14	V	8.4	2	3.13	254
250051004	2012	3	3	15	V	3.3	2.2	5.75	244
250051004	2012	3	3	16	V	2.3	2.1	6.57	246
250051004	2012	3	3	17	V	3.6	1.9	5.85	257
250051004	2012	3	3	18	V	2.5	2	5.09	237
250051004	2012	3	3	19	V	2.3	1.7	5.8	225
250051004	2012	3	3	20	V	2.0	1.8	5.14	215
250051004	2012	3	3	21	V	2.3	1.8	5.21	237
250051004	2012	3	3	22	V	2.1	1.7	4.39	234
250051004	2012	3	3	23	V	2.6	1.9	3.2	236
250051004	2012	3	3	24	V	2.8	2	4.65	266
250051004	2012	3	4	1	V	5.5	1.9	0.74	256
250051004	2012	3	4	2	V	8.4	1.6	1.18	204
250051004	2012	3	4	3	V	4.7	1.7	2.71	270
250051004	2012	3	4	4	V	5.4	2.5	2.66	303
250051004	2012	3	4	5	V	4.8	2.3	1.6	293
250051004	2012	3	4	6	V	5.0	6.6	1.42	277
250051004	2012	3	4	7	V	6.8	9.6	0.82	236
250051004	2012	3	4	8	V	6.1	6.9	1.37	188
250051004	2012	3	4	9	V	5.9	2.6	1.03	226
250051004	2012	3	4	10	V	5.8	2.5	1.13	194
250051004	2012	3	4	11	V	9.9	2.4	1.37	294
250051004	2012	3	4	12	V	8.4	2.8	2.2	304
250051004	2012	3	4	13	V	13.1	2.8	2.3	308
250051004	2012	3	4	14	V	8.7	3.1	2.23	292
250051004	2012	3	4	15	V	6.8	2.9	2.42	314
250051004	2012	3	4	16	V	4.1	2	2.88	311
250051004	2012	3	4	17	V	3.6	3.1	2.59	300
250051004	2012	3	4	18	V	2.5	3.4	2.15	253
250051004	2012	3	4	19	V	2.3	2.1	1.74	267
250051004	2012	3	4	20	V	2.0	2.4	1.55	271
250051004	2012	3	4	21	V	2.3	2.6	1.82	254
250051004	2012	3	4	22	V	2.1	3.1	2.44	281
250051004	2012	3	4	23	V	2.6	2.6	2.83	280
250051004	2012	3	4	24	V	2.8	2.9	2.54	280
250051004	2012	3	5	1	V	5.5	2.2	3.49	286
250051004	2012	3	5	2	V	8.4	2.5	3.75	288
250051004	2012	3	5	3	V	4.7	2.5	3.3	280
250051004	2012	3	5	4	V	5.4	2.2	3.2	261
250051004	2012	3	5	5	V	4.8	1.9	2.81	267
250051004	2012	3	5	6	V	5.0	1.9	3.81	274
250051004	2012	3	5	7	V	6.8	1.5	3.71	272
250051004	2012	3	5	8	V	6.1	2	3.57	277

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	5	9	V	5.8	1.8	6.69	274
250051004	2012	3	5	10	V	5.4	1.6	7.67	268
250051004	2012	3	5	11	V	9.3	1.5	7.26	282
250051004	2012	3	5	12	V	7.8	1.6	6.91	280
250051004	2012	3	5	13	V	11.9	1.5	6.23	279
250051004	2012	3	5	14	V	8.4	1.6	6.43	299
250051004	2012	3	5	15	V	3.5	1.3	6.57	306
250051004	2012	3	5	16	V	2.3	1	6.01	287
250051004	2012	3	5	17	V	3.6	1.5	5.94	299
250051004	2012	3	5	18	V	2.5	5.6	4.97	317
250051004	2012	3	5	19	V	2.3	-999	4.17	322
250051004	2012	3	5	20	V	2.0	3.6	4.05	315
250051004	2012	3	5	21	V	2.3	0.9	3.88	307
250051004	2012	3	5	22	V	2.1	16.5	3.64	321
250051004	2012	3	5	23	V	2.6	25.3	4.09	325
250051004	2012	3	5	24	V	2.8	9.3	4.87	329
250051004	2012	3	6	1	V	5.5	26.9	5.31	330
250051004	2012	3	6	2	V	8.4	20.6	5.05	327
250051004	2012	3	6	3	V	4.7	42.1	4.53	318
250051004	2012	3	6	4	V	5.4	32.8	4.92	325
250051004	2012	3	6	5	V	4.8	32.3	4.97	333
250051004	2012	3	6	6	V	5.0	32.2	4.87	328
250051004	2012	3	6	7	V	6.8	38.9	4.27	333
250051004	2012	3	6	8	V	11.9	33.7	4.53	331
250051004	2012	3	6	9	V	13.7	25.8	4.88	331
250051004	2012	3	6	10	V	10.5	34.8	4.99	331
250051004	2012	3	6	11	V	10.4	6.9	3.73	346
250051004	2012	3	6	12	V	11.2	7.9	3.98	330
250051004	2012	3	6	13	V	12.9	1	4.78	312
250051004	2012	3	6	14	V	8.5	0.9	4.03	301
250051004	2012	3	6	15	V	3.4	0.9	3.91	296
250051004	2012	3	6	16	V	2.4	0.9	3.93	287
250051004	2012	3	6	17	V	3.6	0.5	3.49	297
250051004	2012	3	6	18	V	2.5	0.5	2.67	292
250051004	2012	3	6	19	V	2.3	0.5	1.14	258
250051004	2012	3	6	20	V	2.0	1.4	2.84	224
250051004	2012	3	6	21	V	2.3	1.7	3.4	248
250051004	2012	3	6	22	V	2.1	1.7	2.21	232
250051004	2012	3	6	23	V	2.6	1.6	2.05	220
250051004	2012	3	6	24	V	2.8	1.6	2.57	214
250051004	2012	3	7	1	V	5.5	1.5	2.35	173
250051004	2012	3	7	2	V	8.4	1.2	2.49	185
250051004	2012	3	7	3	V	4.7	1	3.05	193
250051004	2012	3	7	4	V	5.4	1.1	3.56	184
250051004	2012	3	7	5	V	4.8	1.7	3.37	176
250051004	2012	3	7	6	V	5.0	2.8	3.83	184

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	7	7	V	6.8	2.9	3.44	185
250051004	2012	3	7	8	V	6.1	4.2	4.32	195
250051004	2012	3	7	9	V	5.8	3.9	7.69	218
250051004	2012	3	7	10	V	5.4	3.7	8.03	223
250051004	2012	3	7	11	V	9.3	4.5	7.54	221
250051004	2012	3	7	12	V	7.8	5.8	8.45	212
250051004	2012	3	7	13	V	11.8	4.4	9.02	220
250051004	2012	3	7	14	V	8.3	1.7	8.74	216
250051004	2012	3	7	15	V	3.3	0.8	8.06	216
250051004	2012	3	7	16	V	2.3	0.8	7.96	223
250051004	2012	3	7	17	V	3.6	0.5	6.87	223
250051004	2012	3	7	18	V	2.5	0.8	6.35	224
250051004	2012	3	7	19	V	2.3	0.7	5.12	216
250051004	2012	3	7	20	V	2.0	0.9	4.65	218
250051004	2012	3	7	21	V	2.3	0.9	3.98	206
250051004	2012	3	7	22	V	2.1	0.7	4.76	211
250051004	2012	3	7	23	V	2.6	0.8	5.36	207
250051004	2012	3	7	24	V	2.8	0.9	5.38	212
250051004	2012	3	8	1	V	5.5	0.8	6.84	219
250051004	2012	3	8	2	V	8.4	0.6	7.67	218
250051004	2012	3	8	3	V	4.7	0.6	7.86	219
250051004	2012	3	8	4	V	5.4	0.8	6.84	217
250051004	2012	3	8	5	V	4.8	2.1	7.2	215
250051004	2012	3	8	6	V	5.0	1.7	6.79	218
250051004	2012	3	8	7	V	6.8	1.6	6.92	216
250051004	2012	3	8	8	V	6.1	3.4	7.2	221
250051004	2012	3	8	9	V	5.8	5.7	8.95	228
250051004	2012	3	8	10	V	5.4	5.4	9.27	228
250051004	2012	3	8	11	V	9.3	4.6	9.03	221
250051004	2012	3	8	12	V	7.8	4.2	9.76	219
250051004	2012	3	8	13	V	11.8	4	11.19	216
250051004	2012	3	8	14	V	8.3	1.1	11.74	216
250051004	2012	3	8	15	V	3.3	0.9	11.62	218
250051004	2012	3	8	16	V	2.3	1	10.92	217
250051004	2012	3	8	17	V	3.6	0.8	10.61	218
250051004	2012	3	8	18	V	2.5	0.6	8.66	209
250051004	2012	3	8	19	V	2.3	-999	10.53	202
250051004	2012	3	8	20	V	2.0	0.5	10.29	207
250051004	2012	3	8	21	V	2.3	0.8	10.17	212
250051004	2012	3	8	22	V	2.1	0.8	10.56	208
250051004	2012	3	8	23	V	2.6	0.8	10.44	213
250051004	2012	3	8	24	V	2.8	0.9	10.44	213
250051004	2012	3	9	1	V	5.5	1	10.72	214
250051004	2012	3	9	2	V	8.4	1.1	12.11	221
250051004	2012	3	9	3	V	4.7	1	10.24	259
250051004	2012	3	9	4	V	5.4	0.9	7.31	303

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	9	5	V	4.8	0.6	5.73	309
250051004	2012	3	9	6	V	5.0	0.7	4.15	292
250051004	2012	3	9	7	V	6.8	1.3	6.6	293
250051004	2012	3	9	8	V	6.1	1.4	7.91	307
250051004	2012	3	9	9	V	5.8	1.9	6.24	308
250051004	2012	3	9	10	V	5.4	1	4.69	295
250051004	2012	3	9	11	V	9.3	1	5.45	308
250051004	2012	3	9	12	V	7.8	1	5	315
250051004	2012	3	9	13	V	11.8	1.1	4.44	297
250051004	2012	3	9	14	V	8.3	1.2	3.88	292
250051004	2012	3	9	15	V	3.3	0.9	5.07	294
250051004	2012	3	9	16	V	2.3	0.9	4.75	283
250051004	2012	3	9	17	V	3.6	0.9	5.82	285
250051004	2012	3	9	18	V	2.5	0.8	4.58	286
250051004	2012	3	9	19	V	2.3	1.1	1.96	284
250051004	2012	3	9	20	V	2.0	1.7	1.31	242
250051004	2012	3	9	21	V	2.3	1.3	4.8	254
250051004	2012	3	9	22	V	2.1	0.9	3.71	290
250051004	2012	3	9	23	V	2.6	1	5.53	302
250051004	2012	3	9	24	V	2.8	1	3.22	306
250051004	2012	3	10	1	V	5.5	0.9	5.04	297
250051004	2012	3	10	2	V	8.4	0.8	4.7	306
250051004	2012	3	10	3	V	4.7	0.9	4.53	311
250051004	2012	3	10	4	V	5.4	0.7	6.74	305
250051004	2012	3	10	5	V	4.8	0.7	5.36	301
250051004	2012	3	10	6	V	5.0	0.6	5.16	301
250051004	2012	3	10	7	V	6.8	0.9	5.72	306
250051004	2012	3	10	8	V	6.3	2.2	6.21	313
250051004	2012	3	10	9	V	8.2	22.3	7.03	335
250051004	2012	3	10	10	V	5.4	1.5	7.76	352
250051004	2012	3	10	11	V	9.3	0.6	6.33	356
250051004	2012	3	10	12	V	7.8	0.5	5.8	11
250051004	2012	3	10	13	V	11.8	0.4	5.68	360
250051004	2012	3	10	14	V	8.9	0.5	4.95	345
250051004	2012	3	10	15	V	6.5	1.1	4.39	332
250051004	2012	3	10	16	V	5.1	5	3.76	333
250051004	2012	3	10	17	V	3.6	0.6	3.35	350
250051004	2012	3	10	18	V	2.5	1.6	1.99	12
250051004	2012	3	10	19	V	2.3	0.6	1.04	24
250051004	2012	3	10	20	V	2.0	0.6	1.62	270
250051004	2012	3	10	21	V	2.3	0.6	0.77	193
250051004	2012	3	10	22	V	2.1	0.8	2.55	150
250051004	2012	3	10	23	V	2.6	0.8	2.01	175
250051004	2012	3	10	24	V	2.8	0.6	1.88	187
250051004	2012	3	11	1	V	5.5	0.6	1.59	198
250051004	2012	3	11	2	V	8.4	0.6	2.5	210

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	11	3	V	4.7	0.5	2.4	210
250051004	2012	3	11	4	V	5.4	0.8	2.69	213
250051004	2012	3	11	5	V	4.8	1	3.22	212
250051004	2012	3	11	6	V	5.0	1	3.18	198
250051004	2012	3	11	7	V	6.8	1.1	3.88	195
250051004	2012	3	11	8	V	6.1	1.2	6.89	221
250051004	2012	3	11	9	V	5.8	0.9	8.64	221
250051004	2012	3	11	10	V	5.4	0.8	9.02	227
250051004	2012	3	11	11	V	9.3	0.9	7.89	222
250051004	2012	3	11	12	V	7.8	1	7.08	215
250051004	2012	3	11	13	V	11.8	0.8	6.41	215
250051004	2012	3	11	14	V	8.3	0.8	7.38	217
250051004	2012	3	11	15	V	3.3	0.7	6.82	217
250051004	2012	3	11	16	V	2.3	0.7	6.53	226
250051004	2012	3	11	17	V	3.6	0.8	6.13	231
250051004	2012	3	11	18	V	2.5	0.6	5.14	220
250051004	2012	3	11	19	V	2.3	-999	4.02	201
250051004	2012	3	11	20	V	2.0	0.4	4.31	219
250051004	2012	3	11	21	V	2.3	0.6	3.35	218
250051004	2012	3	11	22	V	2.1	0.6	3.64	221
250051004	2012	3	11	23	V	2.6	0.8	3	198
250051004	2012	3	11	24	V	2.8	0.8	3.18	203
250051004	2012	3	12	1	V	5.5	0.7	2.61	203
250051004	2012	3	12	2	V	8.4	0.8	1.59	154
250051004	2012	3	12	3	V	4.7	1.4	1.09	220
250051004	2012	3	12	4	V	5.4	-999	1.14	174
250051004	2012	3	12	5	V	4.8	-999	1.18	179
250051004	2012	3	12	6	V	5.0	2	2.15	241
250051004	2012	3	12	7	V	6.8	3	1.72	271
250051004	2012	3	12	8	V	6.1	3.1	3.25	257
250051004	2012	3	12	9	V	5.8	2.7	2.78	252
250051004	2012	3	12	10	V	5.6	2.8	1.65	70
250051004	2012	3	12	11	V	9.3	3.1	3.47	137
250051004	2012	3	12	12	V	7.8	2.3	4.63	150
250051004	2012	3	12	13	V	11.8	1.8	5.73	153
250051004	2012	3	12	14	V	8.3	1.5	4.49	146
250051004	2012	3	12	15	V	3.3	1.6	3.69	175
250051004	2012	3	12	16	V	2.3	1.7	6.26	222
250051004	2012	3	12	17	V	3.6	2	5.96	220
250051004	2012	3	12	18	V	2.5	2	4.71	215
250051004	2012	3	12	19	V	2.3	1.4	3.17	166
250051004	2012	3	12	20	V	2.0	1.2	3.86	222
250051004	2012	3	12	21	V	2.3	1.2	3.59	216
250051004	2012	3	12	22	V	2.1	1	3.39	215
250051004	2012	3	12	23	V	2.6	0.9	2.89	213
250051004	2012	3	12	24	V	2.8	0.9	3.03	221

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	13	1	V	5.5	0.9	1.69	146
250051004	2012	3	13	2	V	8.4	1.1	2.04	152
250051004	2012	3	13	3	V	4.7	3.3	2.79	172
250051004	2012	3	13	4	V	5.4	2.2	2.32	148
250051004	2012	3	13	5	V	4.8	1.7	2.71	154
250051004	2012	3	13	6	V	5.0	3.7	2.57	162
250051004	2012	3	13	7	V	6.8	5.5	2.18	159
250051004	2012	3	13	8	V	6.1	5.8	1.74	173
250051004	2012	3	13	9	V	5.8	4.8	1.74	154
250051004	2012	3	13	10	V	5.4	4.3	2.96	157
250051004	2012	3	13	11	V	9.3	7	4	159
250051004	2012	3	13	12	V	7.9	11.8	3.2	154
250051004	2012	3	13	13	V	11.8	3.8	5.34	189
250051004	2012	3	13	14	V	8.3	2	5.31	187
250051004	2012	3	13	15	V	3.3	1.6	5.24	187
250051004	2012	3	13	16	V	2.3	1.2	6.23	150
250051004	2012	3	13	17	V	3.6	1	4.6	155
250051004	2012	3	13	18	V	2.5	0.7	4.27	160
250051004	2012	3	13	19	V	2.3	0.7	3.59	162
250051004	2012	3	13	20	V	2.0	0.7	2.93	161
250051004	2012	3	13	21	V	2.3	0.6	2.33	151
250051004	2012	3	13	22	V	2.1	0.6	2.27	153
250051004	2012	3	13	23	V	2.6	0.7	2.2	150
250051004	2012	3	13	24	V	2.8	0.7	2.15	150
250051004	2012	3	14	1	V	5.5	0.7	1.11	111
250051004	2012	3	14	2	V	8.4	0.8	2.96	18
250051004	2012	3	14	3	V	4.7	1.2	1.06	35
250051004	2012	3	14	4	V	5.4	0.9	1.86	9
250051004	2012	3	14	5	V	4.8	0.7	1.93	11
250051004	2012	3	14	6	V	5.0	0.7	2.56	10
250051004	2012	3	14	7	V	6.8	0.6	2.49	358
250051004	2012	3	14	8	V	6.1	0.5	1.99	352
250051004	2012	3	14	9	V	5.8	0.6	1.94	9
250051004	2012	3	14	10	V	5.6	0.8	2.23	42
250051004	2012	3	14	11	V	9.4	1.1	2.44	67
250051004	2012	3	14	12	V	7.9	1.5	3.01	83
250051004	2012	3	14	13	V	11.9	-999	3.27	170
250051004	2012	3	14	14	V	8.3	1.4	5.34	156
250051004	2012	3	14	15	V	3.3	1.1	7.01	151
250051004	2012	3	14	16	V	2.3	0.9	6.19	123
250051004	2012	3	14	17	V	3.6	0.7	5.72	60
250051004	2012	3	14	18	V	2.5	0.5	6.3	45
250051004	2012	3	14	19	V	2.3	-999	6.38	30
250051004	2012	3	14	20	V	2.0	0	5.53	27
250051004	2012	3	14	21	V	2.3	0.3	4.75	25
250051004	2012	3	14	22	V	2.1	0.4	4.27	42

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	14	23	V	2.6	0.3	3.9	49
250051004	2012	3	14	24	V	2.8	0.4	3.78	33
250051004	2012	3	15	1	V	5.5	0.4	2.95	38
250051004	2012	3	15	2	V	8.4	0.3	3	43
250051004	2012	3	15	3	V	4.7	0.3	3.39	34
250051004	2012	3	15	4	V	5.4	0.4	3.24	29
250051004	2012	3	15	5	V	4.8	0.3	2.98	50
250051004	2012	3	15	6	V	5.0	0.6	3.69	58
250051004	2012	3	15	7	V	6.8	0.5	3.25	53
250051004	2012	3	15	8	V	6.1	0.6	3.18	56
250051004	2012	3	15	9	V	5.8	0.6	3.76	56
250051004	2012	3	15	10	V	5.4	0.5	4.09	47
250051004	2012	3	15	11	V	9.3	0.7	3.98	46
250051004	2012	3	15	12	V	7.8	0.7	2.84	39
250051004	2012	3	15	13	V	11.8	0.8	2.44	83
250051004	2012	3	15	14	V	8.3	0.8	1.87	103
250051004	2012	3	15	15	V	3.3	0.9	2.13	95
250051004	2012	3	15	16	V	2.3	0.5	4.07	150
250051004	2012	3	15	17	V	3.6	0.5	5.85	167
250051004	2012	3	15	18	V	2.5	0.3	5.05	167
250051004	2012	3	15	19	V	2.3	0	2.93	143
250051004	2012	3	15	20	V	2.0	0.1	3.07	112
250051004	2012	3	15	21	V	2.3	0.3	3.17	106
250051004	2012	3	15	22	V	2.1	0.2	2.47	113
250051004	2012	3	15	23	V	2.6	0.5	2.38	101
250051004	2012	3	15	24	V	2.8	0.5	1.57	75
250051004	2012	3	16	1	V	5.5	0.4	1.74	64
250051004	2012	3	16	2	V	8.4	0.4	2.28	58
250051004	2012	3	16	3	V	4.7	0.6	2.45	67
250051004	2012	3	16	4	V	5.4	0.4	2.56	62
250051004	2012	3	16	5	V	4.8	0.7	1.64	92
250051004	2012	3	16	6	V	5.0	0.7	1.81	113
250051004	2012	3	16	7	V	6.8	0.9	2.84	138
250051004	2012	3	16	8	V	6.1	0.8	2.66	143
250051004	2012	3	16	9	V	5.8	0.6	2.21	153
250051004	2012	3	16	10	V	5.4	0.8	2.93	158
250051004	2012	3	16	11	V	9.3	0.8	3.49	161
250051004	2012	3	16	12	V	7.8	0.9	3.57	161
250051004	2012	3	16	13	V	11.8	0.8	3.86	162
250051004	2012	3	16	14	V	8.3	0.8	3.39	156
250051004	2012	3	16	15	V	3.3	0.8	3.64	160
250051004	2012	3	16	16	V	2.3	0.6	2.81	150
250051004	2012	3	16	17	V	3.6	0.3	3.2	150
250051004	2012	3	16	18	V	2.5	1	3	151
250051004	2012	3	16	19	V	2.3	0.8	1.77	176
250051004	2012	3	16	20	V	2.0	0.9	1.99	185

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	16	21	V	2.3	0.8	1.38	90
250051004	2012	3	16	22	V	2.1	0.8	1.03	207
250051004	2012	3	16	23	V	2.6	0.7	0.89	262
250051004	2012	3	16	24	V	2.8	0.6	1.04	20
250051004	2012	3	17	1	V	5.5	0.8	0.86	120
250051004	2012	3	17	2	V	8.4	0.8	1.37	88
250051004	2012	3	17	3	V	4.7	0.8	1.79	61
250051004	2012	3	17	4	V	5.4	1	1.5	15
250051004	2012	3	17	5	V	4.8	1	2.98	357
250051004	2012	3	17	6	V	5.0	1.1	3.12	359
250051004	2012	3	17	7	V	6.8	1.3	3.47	7
250051004	2012	3	17	8	V	6.1	1.4	3.76	3
250051004	2012	3	17	9	V	5.8	1.6	3.4	15
250051004	2012	3	17	10	V	5.4	1.7	3.07	25
250051004	2012	3	17	11	V	9.3	1.2	2.49	43
250051004	2012	3	17	12	V	7.8	1	1.86	70
250051004	2012	3	17	13	V	11.8	1.1	1.6	74
250051004	2012	3	17	14	V	8.3	0.9	1.88	165
250051004	2012	3	17	15	V	3.3	0.8	1.77	185
250051004	2012	3	17	16	V	2.3	0.7	1.79	98
250051004	2012	3	17	17	V	3.6	0.7	2.54	111
250051004	2012	3	17	18	V	2.5	0.5	3.05	158
250051004	2012	3	17	19	V	2.3	-999	3.4	172
250051004	2012	3	17	20	V	2.0	0	2.2	177
250051004	2012	3	17	21	V	2.3	0	2.35	204
250051004	2012	3	17	22	V	2.1	0.2	2.1	219
250051004	2012	3	17	23	V	2.6	0.2	1.76	235
250051004	2012	3	17	24	V	2.8	0.4	2.35	236
250051004	2012	3	18	1	V	5.5	0.3	2.11	222
250051004	2012	3	18	2	V	8.4	0.2	1.96	232
250051004	2012	3	18	3	V	4.7	0.3	2.2	212
250051004	2012	3	18	4	V	5.4	0.3	2.05	212
250051004	2012	3	18	5	V	4.8	0.5	0.87	198
250051004	2012	3	18	6	V	5.0	0.5	2.96	198
250051004	2012	3	18	7	V	6.8	0.7	2.57	177
250051004	2012	3	18	8	V	6.1	0.6	2.74	207
250051004	2012	3	18	9	V	5.8	1	4.73	238
250051004	2012	3	18	10	V	5.4	1	4.17	230
250051004	2012	3	18	11	V	9.3	1	5.24	235
250051004	2012	3	18	12	V	7.8	1.1	4.65	240
250051004	2012	3	18	13	V	11.8	0.9	4.24	155
250051004	2012	3	18	14	V	8.3	0.6	5.34	143
250051004	2012	3	18	15	V	3.3	0.7	4.9	141
250051004	2012	3	18	16	V	2.3	0.7	4.32	138
250051004	2012	3	18	17	V	3.6	0.8	3.18	142
250051004	2012	3	18	18	V	2.5	0.6	3.52	142

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	18	19	V	2.3	0.3	3.64	171
250051004	2012	3	18	20	V	2.0	0.3	2.67	180
250051004	2012	3	18	21	V	2.3	0.4	3.34	183
250051004	2012	3	18	22	V	2.1	0.4	3.78	216
250051004	2012	3	18	23	V	2.6	0.6	3.85	217
250051004	2012	3	18	24	V	2.8	0.6	2.76	200
250051004	2012	3	19	1	V	5.5	0.7	2.71	211
250051004	2012	3	19	2	V	8.4	0.7	2.93	213
250051004	2012	3	19	3	V	4.7	1.6	2.5	213
250051004	2012	3	19	4	V	5.4	3.6	2.93	224
250051004	2012	3	19	5	V	4.8	1.7	1.82	225
250051004	2012	3	19	6	V	5.0	1.3	1.48	224
250051004	2012	3	19	7	V	6.8	2.4	2.98	217
250051004	2012	3	19	8	V	6.1	2.8	2.39	248
250051004	2012	3	19	9	V	5.8	2.3	2.81	240
250051004	2012	3	19	10	V	5.4	2.2	2.42	241
250051004	2012	3	19	11	V	9.3	1.8	3.25	184
250051004	2012	3	19	12	V	7.8	3	4.22	151
250051004	2012	3	19	13	V	11.8	2.3	5.04	151
250051004	2012	3	19	14	V	8.3	1.7	5.19	153
250051004	2012	3	19	15	V	3.3	1.6	6.01	156
250051004	2012	3	19	16	V	2.3	1.5	4.93	153
250051004	2012	3	19	17	V	3.6	1.4	3.73	150
250051004	2012	3	19	18	V	2.5	1.1	2.83	141
250051004	2012	3	19	19	V	2.3	0.9	1.04	133
250051004	2012	3	19	20	V	2.0	0.6	1.2	96
250051004	2012	3	19	21	V	2.3	0.6	1.18	152
250051004	2012	3	19	22	V	2.1	0.4	0.96	159
250051004	2012	3	19	23	V	2.6	0.4	1.55	83
250051004	2012	3	19	24	V	2.8	0.5	2.3	28
250051004	2012	3	20	1	V	5.5	0.4	2.72	38
250051004	2012	3	20	2	V	8.4	0.6	2.44	27
250051004	2012	3	20	3	V	4.7	0.4	1.57	37
250051004	2012	3	20	4	V	5.4	0.4	1.3	34
250051004	2012	3	20	5	V	4.8	0.4	0.86	38
250051004	2012	3	20	6	V	5.0	0.4	0.96	39
250051004	2012	3	20	7	V	6.8	1	0.74	149
250051004	2012	3	20	8	V	6.1	0.9	0.82	260
250051004	2012	3	20	9	V	5.8	1.1	1.21	237
250051004	2012	3	20	10	V	5.4	1.2	2.62	214
250051004	2012	3	20	11	V	9.3	1.1	2.78	155
250051004	2012	3	20	12	V	7.8	1.1	4.2	148
250051004	2012	3	20	13	V	11.8	2	4.95	153
250051004	2012	3	20	14	V	8.3	3.4	5.05	152
250051004	2012	3	20	15	V	3.3	1.9	4.25	181
250051004	2012	3	20	16	V	2.3	0.8	5.99	231

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	20	17	V	3.6	0.7	5.87	224
250051004	2012	3	20	18	V	2.5	0.7	5.22	212
250051004	2012	3	20	19	V	2.3	-999	5.24	211
250051004	2012	3	20	20	V	2.0	0.4	4.51	210
250051004	2012	3	20	21	V	2.3	0.4	3.41	208
250051004	2012	3	20	22	V	2.1	0.3	2.37	170
250051004	2012	3	20	23	V	2.6	0.2	2.06	182
250051004	2012	3	20	24	V	2.8	0	2.2	195
250051004	2012	3	21	1	V	5.5	0.1	1.42	137
250051004	2012	3	21	2	V	8.4	0.3	0.8	125
250051004	2012	3	21	3	V	4.7	0.3	1.06	149
250051004	2012	3	21	4	V	5.4	0.2	0.99	141
250051004	2012	3	21	5	V	4.8	0.2	0.97	230
250051004	2012	3	21	6	V	5.0	0.2	1.18	280
250051004	2012	3	21	7	V	6.8	0.3	1.35	158
250051004	2012	3	21	8	V	6.1	0.3	1.82	240
250051004	2012	3	21	9	V	5.8	0.5	2.06	271
250051004	2012	3	21	10	V	5.4	0.6	3.8	262
250051004	2012	3	21	11	V	9.3	0.5	5.09	245
250051004	2012	3	21	12	V	7.8	0.3	5.07	258
250051004	2012	3	21	13	V	11.8	0.5	5.63	231
250051004	2012	3	21	14	V	8.3	0.6	5.84	232
250051004	2012	3	21	15	V	3.3	0.4	4.53	221
250051004	2012	3	21	16	V	2.3	0.5	5.6	224
250051004	2012	3	21	17	V	3.6	0.4	5.89	217
250051004	2012	3	21	18	V	2.5	0.2	5.99	208
250051004	2012	3	21	19	V	2.3	0	4.07	208
250051004	2012	3	21	20	V	2.0	0.4	2.57	200
250051004	2012	3	21	21	V	2.3	0.3	3.66	234
250051004	2012	3	21	22	V	2.1	0.3	3.27	231
250051004	2012	3	21	23	V	2.6	0.2	3.05	236
250051004	2012	3	21	24	V	2.8	0.3	3.17	233
250051004	2012	3	22	1	V	5.5	0.3	2.74	220
250051004	2012	3	22	2	V	8.4	0	1.86	191
250051004	2012	3	22	3	V	4.7	0.4	3.4	222
250051004	2012	3	22	4	V	5.4	0.3	3.74	227
250051004	2012	3	22	5	V	4.8	0.4	4.44	252
250051004	2012	3	22	6	V	5.0	0.4	3.56	252
250051004	2012	3	22	7	V	6.8	0.5	3.17	223
250051004	2012	3	22	8	V	6.1	0.4	3.83	228
250051004	2012	3	22	9	V	5.8	0.5	5.51	242
250051004	2012	3	22	10	V	5.4	0.7	6.01	242
250051004	2012	3	22	11	V	9.3	0.5	5.09	252
250051004	2012	3	22	12	V	7.8	0.6	4.73	253
250051004	2012	3	22	13	V	11.8	0.7	5.07	254
250051004	2012	3	22	14	V	8.3	0.8	4.71	283

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	22	15	V	3.3	0.8	3.59	284
250051004	2012	3	22	16	V	2.3	0.9	6.38	195
250051004	2012	3	22	17	V	3.6	0.9	6.19	213
250051004	2012	3	22	18	V	2.5	0.9	5.46	228
250051004	2012	3	22	19	V	2.3	0.9	5.26	238
250051004	2012	3	22	20	V	2.0	0.9	5.07	246
250051004	2012	3	22	21	V	2.3	0.8	5.09	253
250051004	2012	3	22	22	V	2.1	0.9	5.34	259
250051004	2012	3	22	23	V	2.6	0.8	5.28	262
250051004	2012	3	22	24	V	2.8	0.8	4.53	269
250051004	2012	3	23	1	V	5.5	0.8	3.56	281
250051004	2012	3	23	2	V	8.4	0.8	2.81	297
250051004	2012	3	23	3	V	4.7	0.9	1.11	286
250051004	2012	3	23	4	V	5.4	0.9	1.01	274
250051004	2012	3	23	5	V	4.8	1	1.48	337
250051004	2012	3	23	6	V	5.0	1	2.69	349
250051004	2012	3	23	7	V	6.8	1	3.17	11
250051004	2012	3	23	8	V	6.1	0.9	3.25	54
250051004	2012	3	23	9	V	5.8	0.8	3.47	77
250051004	2012	3	23	10	V	5.4	0.7	4.2	57
250051004	2012	3	23	11	V	9.3	0.5	3.18	70
250051004	2012	3	23	12	V	7.8	0.6	1.67	148
250051004	2012	3	23	13	V	11.8	0.9	3.3	162
250051004	2012	3	23	14	V	8.3	0.9	5.29	152
250051004	2012	3	23	15	V	3.3	1	6.41	163
250051004	2012	3	23	16	V	2.3	0.9	5.09	161
250051004	2012	3	23	17	V	3.6	0.9	4.87	185
250051004	2012	3	23	18	V	2.5	0.8	4.75	221
250051004	2012	3	23	19	V	2.3	-999	5.34	250
250051004	2012	3	23	20	V	2.0	0.7	4.48	265
250051004	2012	3	23	21	V	2.3	0.8	2.64	285
250051004	2012	3	23	22	V	2.1	0.9	4.65	11
250051004	2012	3	23	23	V	2.6	1	5.27	14
250051004	2012	3	23	24	V	2.8	0.9	4.99	2
250051004	2012	3	24	1	V	5.5	1	5.1	21
250051004	2012	3	24	2	V	8.4	1	4.56	25
250051004	2012	3	24	3	V	4.7	1	3.64	25
250051004	2012	3	24	4	V	5.4	0.8	2.95	40
250051004	2012	3	24	5	V	4.8	0.5	4.05	66
250051004	2012	3	24	6	V	5.0	0.6	3.81	57
250051004	2012	3	24	7	V	6.8	0.7	3.46	52
250051004	2012	3	24	8	M	-999	0.7	3.47	72
250051004	2012	3	24	9	M	-999	0.8	3.81	71
250051004	2012	3	24	10	M	-999	0.9	3.03	88
250051004	2012	3	24	11	M	-999	0.6	2.91	92
250051004	2012	3	24	12	M	-999	0.7	2.81	91

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	24	13	M	-999	0.6	3.47	109
250051004	2012	3	24	14	M	-999	0.5	5.43	166
250051004	2012	3	24	15	M	-999	0.6	6.23	166
250051004	2012	3	24	16	M	-999	0.8	5.85	167
250051004	2012	3	24	17	M	-999	0.7	4.85	166
250051004	2012	3	24	18	V	2.5	0.6	4.02	159
250051004	2012	3	24	19	V	2.3	0.6	3.88	164
250051004	2012	3	24	20	V	2.0	0.6	3.05	166
250051004	2012	3	24	21	V	2.3	0.7	3.46	169
250051004	2012	3	24	22	V	2.1	0.6	3.46	159
250051004	2012	3	24	23	V	2.6	0.6	3.25	157
250051004	2012	3	24	24	V	2.8	0.8	1.98	150
250051004	2012	3	25	1	V	5.5	0.8	1.93	124
250051004	2012	3	25	2	V	8.4	0.9	1.94	114
250051004	2012	3	25	3	V	4.7	1.1	1.89	117
250051004	2012	3	25	4	V	5.4	0.9	1.72	95
250051004	2012	3	25	5	V	4.8	1.1	2.4	68
250051004	2012	3	25	6	V	5.0	1.1	2.81	69
250051004	2012	3	25	7	V	6.8	1.2	2.5	79
250051004	2012	3	25	8	V	6.1	1.1	3.15	85
250051004	2012	3	25	9	V	5.8	1.3	3.03	117
250051004	2012	3	25	10	V	5.4	1.1	3.51	103
250051004	2012	3	25	11	V	9.3	1.1	4.02	102
250051004	2012	3	25	12	V	7.8	1.1	3.81	90
250051004	2012	3	25	13	V	11.8	1.1	3.22	87
250051004	2012	3	25	14	V	8.3	1.1	3.91	48
250051004	2012	3	25	15	V	3.3	1.2	4.2	51
250051004	2012	3	25	16	V	2.3	1.3	4.44	50
250051004	2012	3	25	17	V	3.6	1.2	4.73	38
250051004	2012	3	25	18	V	2.5	1.3	5.1	13
250051004	2012	3	25	19	V	2.3	1.3	5.5	22
250051004	2012	3	25	20	V	2.0	1.2	4.73	22
250051004	2012	3	25	21	V	2.3	1.1	5.6	10
250051004	2012	3	25	22	V	2.1	1.3	4.14	358
250051004	2012	3	25	23	V	2.6	1.3	3.57	360
250051004	2012	3	25	24	V	2.8	1.4	3.01	1
250051004	2012	3	26	1	V	5.5	1.3	2.3	341
250051004	2012	3	26	2	V	8.4	1.3	2.44	322
250051004	2012	3	26	3	V	4.7	1	1.35	253
250051004	2012	3	26	4	V	5.4	-999	1.88	228
250051004	2012	3	26	5	V	4.8	-999	1.76	217
250051004	2012	3	26	6	V	5.0	1.3	1.91	213
250051004	2012	3	26	7	V	6.8	1.9	1.77	265
250051004	2012	3	26	8	V	6.1	2.4	4.85	294
250051004	2012	3	26	9	V	6.1	3.2	7.14	324
250051004	2012	3	26	10	V	5.4	1.7	8.5	354

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	26	11	V	9.3	1.8	9.2	343
250051004	2012	3	26	12	V	7.8	3.9	9.61	349
250051004	2012	3	26	13	V	11.8	2.4	9.39	340
250051004	2012	3	26	14	V	8.3	2.1	10.27	330
250051004	2012	3	26	15	V	3.3	2	10.39	345
250051004	2012	3	26	16	V	2.3	2.4	10.77	339
250051004	2012	3	26	17	V	3.6	2.5	11.04	343
250051004	2012	3	26	18	V	2.5	2.4	11.24	349
250051004	2012	3	26	19	V	2.3	-999	9.47	347
250051004	2012	3	26	20	V	2.0	0.6	8.11	344
250051004	2012	3	26	21	V	2.3	0.9	8.56	346
250051004	2012	3	26	22	V	2.1	1.3	7.47	338
250051004	2012	3	26	23	V	2.6	3.5	7.2	330
250051004	2012	3	26	24	V	2.8	4.3	6.74	330
250051004	2012	3	27	1	V	5.5	4.1	7.57	330
250051004	2012	3	27	2	V	8.4	4.8	7.84	330
250051004	2012	3	27	3	V	4.7	5.2	7.03	332
250051004	2012	3	27	4	V	5.4	5.5	6.92	325
250051004	2012	3	27	5	V	4.8	6.7	6.11	327
250051004	2012	3	27	6	V	5.0	7.9	5.51	326
250051004	2012	3	27	7	V	6.8	5.5	6.81	323
250051004	2012	3	27	8	V	6.1	5	7.77	331
250051004	2012	3	27	9	V	5.8	5.3	8.2	332
250051004	2012	3	27	10	V	5.4	6.4	7.43	331
250051004	2012	3	27	11	V	9.3	3.9	8.52	340
250051004	2012	3	27	12	V	7.8	4	8.22	342
250051004	2012	3	27	13	V	11.8	2.2	7.14	338
250051004	2012	3	27	14	V	8.3	1.3	7.77	348
250051004	2012	3	27	15	V	3.3	1.6	8.06	355
250051004	2012	3	27	16	V	2.3	1.3	6.48	339
250051004	2012	3	27	17	V	3.6	1.8	6.07	340
250051004	2012	3	27	18	V	2.5	2.3	4.77	336
250051004	2012	3	27	19	V	2.3	3.5	3.54	327
250051004	2012	3	27	20	V	2.0	4.5	2.32	299
250051004	2012	3	27	21	V	2.3	2.6	1.77	297
250051004	2012	3	27	22	V	2.1	2.9	2.25	281
250051004	2012	3	27	23	V	2.6	3	2.1	281
250051004	2012	3	27	24	V	2.8	3.3	1.2	200
250051004	2012	3	28	1	V	5.5	8.4	1.62	237
250051004	2012	3	28	2	V	8.4	7	1.31	200
250051004	2012	3	28	3	V	4.7	2.2	1.6	239
250051004	2012	3	28	4	V	5.4	2.2	0.94	20
250051004	2012	3	28	5	V	4.8	2.8	0.87	229
250051004	2012	3	28	6	V	5.0	2.7	1.09	162
250051004	2012	3	28	7	V	6.8	2.2	1.18	153
250051004	2012	3	28	8	V	6.1	1.7	5.17	168

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	28	9	V	5.8	1.4	6.91	161
250051004	2012	3	28	10	V	5.4	1.9	7.67	173
250051004	2012	3	28	11	V	9.3	4	8.52	196
250051004	2012	3	28	12	V	7.8	3.7	7.33	198
250051004	2012	3	28	13	V	11.8	2.4	5.85	191
250051004	2012	3	28	14	V	8.3	2.8	4.25	199
250051004	2012	3	28	15	V	3.3	2.6	4.19	206
250051004	2012	3	28	16	V	2.3	2	4.53	215
250051004	2012	3	28	17	V	3.6	2	3.78	228
250051004	2012	3	28	18	V	2.5	1.9	2.71	204
250051004	2012	3	28	19	V	2.3	1.9	2.21	193
250051004	2012	3	28	20	V	2.0	1.7	1.5	149
250051004	2012	3	28	21	V	2.3	1.8	1.26	213
250051004	2012	3	28	22	V	2.1	1.8	1.43	196
250051004	2012	3	28	23	V	2.6	1.5	1.04	250
250051004	2012	3	28	24	V	2.8	1.7	1.88	193
250051004	2012	3	29	1	V	5.5	1.9	1.79	226
250051004	2012	3	29	2	V	8.4	2.2	4.32	287
250051004	2012	3	29	3	V	4.7	2.8	5.85	304
250051004	2012	3	29	4	V	5.4	3.7	5.46	311
250051004	2012	3	29	5	V	4.8	2.2	4.29	321
250051004	2012	3	29	6	V	5.0	1.8	4.65	19
250051004	2012	3	29	7	V	6.8	1.9	5.95	8
250051004	2012	3	29	8	V	6.1	2	5.14	10
250051004	2012	3	29	9	V	5.8	2	6.33	8
250051004	2012	3	29	10	V	5.4	1.8	6.96	350
250051004	2012	3	29	11	V	9.3	1.5	7.96	1
250051004	2012	3	29	12	V	7.8	1.8	5.36	332
250051004	2012	3	29	13	V	11.8	1.7	6.96	4
250051004	2012	3	29	14	V	8.3	1.8	5.62	329
250051004	2012	3	29	15	V	3.3	1.6	5.38	324
250051004	2012	3	29	16	V	2.3	1.8	5.24	316
250051004	2012	3	29	17	V	3.6	1.6	5.85	319
250051004	2012	3	29	18	V	2.5	2.3	6.06	322
250051004	2012	3	29	19	V	2.3	-999	5.97	325
250051004	2012	3	29	20	V	2.0	2.8	6.04	328
250051004	2012	3	29	21	V	2.3	2.6	4.92	323
250051004	2012	3	29	22	V	2.1	1.5	4.42	327
250051004	2012	3	29	23	V	2.6	1.8	3.52	318
250051004	2012	3	29	24	V	2.8	2.5	3.01	294
250051004	2012	3	30	1	V	5.5	2.9	3.15	308
250051004	2012	3	30	2	V	8.4	2.3	3.3	308
250051004	2012	3	30	3	V	4.7	2.9	2.95	299
250051004	2012	3	30	4	V	5.4	2.7	3.64	306
250051004	2012	3	30	5	V	4.8	2.1	2.84	305
250051004	2012	3	30	6	V	5.0	4.3	3.69	296

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	3	30	7	V	6.8	3.4	3.98	297
250051004	2012	3	30	8	V	6.1	3.8	5.73	305
250051004	2012	3	30	9	V	5.8	3.6	5.94	316
250051004	2012	3	30	10	V	5.4	2.5	5.87	321
250051004	2012	3	30	11	V	9.3	1.8	5.99	327
250051004	2012	3	30	12	V	7.8	1.8	6.04	334
250051004	2012	3	30	13	V	11.8	1.8	4.95	336
250051004	2012	3	30	14	V	8.3	1.6	4.41	330
250051004	2012	3	30	15	V	3.3	1.7	3.52	319
250051004	2012	3	30	16	V	2.3	1.2	3.18	285
250051004	2012	3	30	17	V	3.6	1.7	3.03	282
250051004	2012	3	30	18	V	2.5	1.5	2.84	317
250051004	2012	3	30	19	V	2.3	1.1	2.76	167
250051004	2012	3	30	20	V	2.0	1	1.6	133
250051004	2012	3	30	21	V	2.3	1	3.51	99
250051004	2012	3	30	22	V	2.1	1.2	2.28	104
250051004	2012	3	30	23	V	2.6	1.4	1.64	51
250051004	2012	3	30	24	V	2.8	1.4	2.44	33
250051004	2012	3	31	1	V	5.5	1.3	2.54	39
250051004	2012	3	31	2	V	8.4	1.4	1.5	43
250051004	2012	3	31	3	V	4.7	1.2	2.61	27
250051004	2012	3	31	4	V	5.4	1.2	1.82	6
250051004	2012	3	31	5	V	4.8	1.1	2.66	189
250051004	2012	3	31	6	V	5.0	1	0.97	330
250051004	2012	3	31	7	V	6.8	1	1.04	14
250051004	2012	3	31	8	V	6.1	0.9	2.39	48
250051004	2012	3	31	9	V	5.8	1.1	3.52	41
250051004	2012	3	31	10	V	5.4	1.1	3.49	38
250051004	2012	3	31	11	V	9.3	1.1	3.07	44
250051004	2012	3	31	12	V	7.8	1.3	3.23	61
250051004	2012	3	31	13	V	11.8	1.1	3.3	81
250051004	2012	3	31	14	V	8.3	1.1	2.55	66
250051004	2012	3	31	15	V	3.3	1.2	3.39	70
250051004	2012	3	31	16	V	2.3	1.2	4.12	37
250051004	2012	3	31	17	V	3.6	1.2	3.86	38
250051004	2012	3	31	18	V	2.5	1.3	3.78	37
250051004	2012	3	31	19	V	2.3	1.3	3	34
250051004	2012	3	31	20	V	2.0	1.4	2.74	41
250051004	2012	3	31	21	V	2.3	1.7	1.91	56
250051004	2012	3	31	22	V	2.1	1.6	1.79	83
250051004	2012	3	31	23	V	2.6	1.4	0.97	321
250051004	2012	3	31	24	V	2.8	1.7	2.06	289
250051004	2012	4	1	1	V	5.5	1.7	1.65	270
250051004	2012	4	1	2	V	8.4	1.4	1.23	250
250051004	2012	4	1	3	V	4.7	1.5	1.64	282
250051004	2012	4	1	4	V	5.4	1.4	1.18	280

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	1	5	V	4.8	1.5	1.88	289
250051004	2012	4	1	6	V	5.0	1.7	1.26	279
250051004	2012	4	1	7	V	6.8	2.3	1.67	273
250051004	2012	4	1	8	V	6.1	3.7	1.37	244
250051004	2012	4	1	9	V	5.8	2.9	1.37	260
250051004	2012	4	1	10	V	5.4	2.1	2.71	174
250051004	2012	4	1	11	V	9.3	2.1	4.03	154
250051004	2012	4	1	12	V	7.8	1.8	5	158
250051004	2012	4	1	13	V	11.8	1.7	5.79	157
250051004	2012	4	1	14	V	8.3	1.3	5.02	181
250051004	2012	4	1	15	V	3.3	1.3	5	205
250051004	2012	4	1	16	V	2.3	1.2	5.48	207
250051004	2012	4	1	17	V	3.6	1.6	4.46	195
250051004	2012	4	1	18	V	2.5	1.5	3.76	188
250051004	2012	4	1	19	V	2.3	-999	4.24	200
250051004	2012	4	1	20	V	2.0	1.2	4.25	204
250051004	2012	4	1	21	V	2.3	1.4	3.54	200
250051004	2012	4	1	22	V	2.1	1.5	3.08	181
250051004	2012	4	1	23	V	2.6	1.5	3.32	182
250051004	2012	4	1	24	V	2.8	1.7	2.59	184
250051004	2012	4	2	1	V	5.5	1.7	2.45	190
250051004	2012	4	2	2	V	8.4	1.7	1.13	121
250051004	2012	4	2	3	V	4.7	1.7	1.31	349
250051004	2012	4	2	4	V	5.4	1.6	2.16	350
250051004	2012	4	2	5	V	4.8	1.8	5.96	2
250051004	2012	4	2	6	V	5.0	1.9	6.11	358
250051004	2012	4	2	7	V	6.8	1.8	6.6	6
250051004	2012	4	2	8	V	6.1	2.2	7.65	2
250051004	2012	4	2	9	V	5.8	2.5	8.44	357
250051004	2012	4	2	10	V	5.4	2.1	7.98	360
250051004	2012	4	2	11	V	9.3	1.9	9.42	10
250051004	2012	4	2	12	V	7.8	1.8	8.3	4
250051004	2012	4	2	13	V	11.8	1.9	7.96	13
250051004	2012	4	2	14	V	8.3	1.8	4.99	8
250051004	2012	4	2	15	V	3.9	2	6.65	341
250051004	2012	4	2	16	V	3.3	5	6.74	339
250051004	2012	4	2	17	V	8.0	1.6	7.37	324
250051004	2012	4	2	18	V	2.8	14	7.26	337
250051004	2012	4	2	19	V	2.3	38.1	6.79	345
250051004	2012	4	2	20	V	2.0	1.6	6.67	348
250051004	2012	4	2	21	V	2.3	1.5	6.63	359
250051004	2012	4	2	22	V	2.1	1.5	8.08	349
250051004	2012	4	2	23	V	2.6	1.6	5.95	345
250051004	2012	4	2	24	V	2.8	1.7	3.78	334
250051004	2012	4	3	1	V	5.5	4.4	2.79	312
250051004	2012	4	3	2	V	8.4	3.1	3.46	303

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	3	3	V	4.7	3.4	3.32	304
250051004	2012	4	3	4	V	5.4	6	2.98	297
250051004	2012	4	3	5	V	4.8	8	3.12	300
250051004	2012	4	3	6	V	5.0	7.2	3.63	294
250051004	2012	4	3	7	V	7.0	8.9	4.58	315
250051004	2012	4	3	8	V	8.2	9.9	5.8	336
250051004	2012	4	3	9	V	6.7	9.9	7.43	340
250051004	2012	4	3	10	V	6.0	4.9	7.83	342
250051004	2012	4	3	11	V	10.1	4.5	7.57	342
250051004	2012	4	3	12	V	8.4	8.6	7.31	345
250051004	2012	4	3	13	V	17.5	7.8	6.5	330
250051004	2012	4	3	14	V	12.6	6.3	5.8	320
250051004	2012	4	3	15	V	8.2	8.4	6.01	320
250051004	2012	4	3	16	V	10.7	5	6.62	326
250051004	2012	4	3	17	V	15.8	8.3	6.35	326
250051004	2012	4	3	18	V	3.4	1.6	5.24	319
250051004	2012	4	3	19	V	2.3	1.9	3.61	326
250051004	2012	4	3	20	V	2.0	1.7	1.72	322
250051004	2012	4	3	21	V	2.3	2	1.23	272
250051004	2012	4	3	22	V	2.1	2.4	0.89	247
250051004	2012	4	3	23	V	2.6	2.1	1.54	255
250051004	2012	4	3	24	V	2.8	2.5	1.55	260
250051004	2012	4	4	1	V	5.5	3	1.35	253
250051004	2012	4	4	2	V	8.4	3.2	1.72	349
250051004	2012	4	4	3	V	4.7	3.6	1.25	309
250051004	2012	4	4	4	V	5.4	3.5	1.52	138
250051004	2012	4	4	5	V	4.8	3.5	1.25	220
250051004	2012	4	4	6	V	5.0	5	0.79	206
250051004	2012	4	4	7	V	6.8	4.9	0.63	214
250051004	2012	4	4	8	V	6.2	3.5	2.61	261
250051004	2012	4	4	9	V	6.6	3.2	4.29	308
250051004	2012	4	4	10	V	7.9	2.5	5.56	313
250051004	2012	4	4	11	V	11.2	2.1	5.44	311
250051004	2012	4	4	12	V	7.8	2.2	7.08	294
250051004	2012	4	4	13	V	11.9	2.2	6.72	288
250051004	2012	4	4	14	V	8.4	2.2	8.18	295
250051004	2012	4	4	15	V	3.8	5.7	7.55	308
250051004	2012	4	4	16	V	16.2	14	7.4	326
250051004	2012	4	4	17	V	6.0	9.6	7.35	315
250051004	2012	4	4	18	V	2.5	2.2	7.84	306
250051004	2012	4	4	19	V	2.3	-999	7.33	308
250051004	2012	4	4	20	V	2.6	11.3	7.83	318
250051004	2012	4	4	21	V	2.5	30.5	5.89	321
250051004	2012	4	4	22	V	2.4	48.7	6.6	330
250051004	2012	4	4	23	V	2.8	35.6	5.58	329
250051004	2012	4	4	24	V	2.8	65.4	5.12	321

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	5	1	V	5.5	61.5	4.65	308
250051004	2012	4	5	2	V	8.4	36.6	4.19	314
250051004	2012	4	5	3	V	4.7	41.8	4.29	321
250051004	2012	4	5	4	V	5.4	46.1	3.49	310
250051004	2012	4	5	5	V	4.8	13.4	3.05	302
250051004	2012	4	5	6	V	5.0	6.5	2.23	288
250051004	2012	4	5	7	V	6.9	28	2.88	306
250051004	2012	4	5	8	V	27.7	13.2	5.29	333
250051004	2012	4	5	9	V	5.9	30.7	6.72	348
250051004	2012	4	5	10	V	9.8	14.6	5.89	341
250051004	2012	4	5	11	V	46.8	33.2	5.12	327
250051004	2012	4	5	12	V	43.8	26.8	5.05	324
250051004	2012	4	5	13	V	44.7	40.2	4.56	325
250051004	2012	4	5	14	V	20.8	41.4	4.31	314
250051004	2012	4	5	15	V	5.7	10.2	4.88	308
250051004	2012	4	5	16	V	2.4	2	4.48	297
250051004	2012	4	5	17	V	4.0	1.9	4.75	304
250051004	2012	4	5	18	V	2.5	1.6	4.8	296
250051004	2012	4	5	19	V	2.3	1.9	4.02	298
250051004	2012	4	5	20	V	2.0	1.8	3.57	315
250051004	2012	4	5	21	V	2.3	1.4	4.27	359
250051004	2012	4	5	22	V	2.1	1.4	5.46	14
250051004	2012	4	5	23	V	2.6	1.4	4.66	12
250051004	2012	4	5	24	V	2.8	1.3	2.86	349
250051004	2012	4	6	1	V	5.5	2.9	2.08	320
250051004	2012	4	6	2	V	8.4	7.1	1.59	266
250051004	2012	4	6	3	V	4.7	2.3	1.89	279
250051004	2012	4	6	4	V	5.4	2.4	1.67	271
250051004	2012	4	6	5	V	4.8	2.5	2.52	311
250051004	2012	4	6	6	V	5.0	17.4	2.39	305
250051004	2012	4	6	7	V	7.4	14.7	2.74	315
250051004	2012	4	6	8	V	6.3	4.5	4.68	349
250051004	2012	4	6	9	V	6.3	3.3	5.58	350
250051004	2012	4	6	10	V	27.8	33.2	4.34	334
250051004	2012	4	6	11	V	23.2	27.5	3.83	318
250051004	2012	4	6	12	V	24.7	21.9	4.46	328
250051004	2012	4	6	13	V	19.9	11	4.65	316
250051004	2012	4	6	14	V	17.2	4	4.6	327
250051004	2012	4	6	15	V	6.8	2.9	4.27	337
250051004	2012	4	6	16	V	3.2	2.3	4.48	339
250051004	2012	4	6	17	V	3.6	1.4	4.39	358
250051004	2012	4	6	18	V	2.5	1.6	4.46	343
250051004	2012	4	6	19	V	2.3	1.9	4.44	348
250051004	2012	4	6	20	V	2.0	1.6	2.42	133
250051004	2012	4	6	21	V	2.3	1.8	1.65	27
250051004	2012	4	6	22	V	2.1	1.5	4.61	346

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	6	23	V	2.6	1.7	6.02	356
250051004	2012	4	6	24	V	2.8	1.4	3.4	341
250051004	2012	4	7	1	V	5.5	2.4	2.59	325
250051004	2012	4	7	2	V	8.4	7.3	2.98	329
250051004	2012	4	7	3	V	4.7	2.9	3.39	330
250051004	2012	4	7	4	V	5.4	2.3	3.41	320
250051004	2012	4	7	5	V	4.8	2.1	2.5	350
250051004	2012	4	7	6	V	5.0	2.7	2.64	335
250051004	2012	4	7	7	V	7.1	2.2	2.88	330
250051004	2012	4	7	8	V	6.2	2.4	4.9	338
250051004	2012	4	7	9	V	5.8	4	6.67	342
250051004	2012	4	7	10	V	5.8	1.6	6.75	331
250051004	2012	4	7	11	V	9.3	1.7	6.97	348
250051004	2012	4	7	12	V	7.8	2	6.82	348
250051004	2012	4	7	13	V	12.1	1.7	5.77	336
250051004	2012	4	7	14	V	8.5	1.4	5.9	340
250051004	2012	4	7	15	V	3.3	1.6	6.06	345
250051004	2012	4	7	16	V	2.3	1.3	5.53	3
250051004	2012	4	7	17	V	3.6	1.2	5.99	112
250051004	2012	4	7	18	V	2.5	1.1	4.54	138
250051004	2012	4	7	19	V	2.3	-999	3.88	125
250051004	2012	4	7	20	V	2.0	1.1	2.42	122
250051004	2012	4	7	21	V	2.3	1.3	1.77	135
250051004	2012	4	7	22	V	2.1	1.3	1.35	210
250051004	2012	4	7	23	V	2.6	1.5	1.3	168
250051004	2012	4	7	24	V	2.8	1.9	0.75	154
250051004	2012	4	8	1	V	5.5	2.1	1.79	199
250051004	2012	4	8	2	V	8.4	2.2	1.52	218
250051004	2012	4	8	3	V	4.7	2.5	1.65	200
250051004	2012	4	8	4	V	5.4	2.2	2.28	249
250051004	2012	4	8	5	V	4.8	2.4	2.79	289
250051004	2012	4	8	6	V	5.0	2.5	2.61	288
250051004	2012	4	8	7	V	6.8	2.3	2.67	316
250051004	2012	4	8	8	V	6.3	2.6	3.9	325
250051004	2012	4	8	9	V	5.8	2.7	4.44	311
250051004	2012	4	8	10	V	5.4	3.3	5.67	308
250051004	2012	4	8	11	V	9.4	2	4.78	314
250051004	2012	4	8	12	V	7.8	1.9	6.33	304
250051004	2012	4	8	13	V	12.2	2	5.75	330
250051004	2012	4	8	14	V	8.4	2.2	5.82	312
250051004	2012	4	8	15	V	3.6	2.3	4.9	322
250051004	2012	4	8	16	V	2.5	1.7	4.62	315
250051004	2012	4	8	17	V	3.6	1.8	3.26	273
250051004	2012	4	8	18	V	2.5	1.5	4.15	163
250051004	2012	4	8	19	V	2.3	1.7	4.95	162
250051004	2012	4	8	20	V	2.0	1.6	4.27	179

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	8	21	V	2.3	1.8	2.71	209
250051004	2012	4	8	22	V	2.1	1.9	2.76	245
250051004	2012	4	8	23	V	2.6	2	2.89	239
250051004	2012	4	8	24	V	2.8	2.3	2.55	254
250051004	2012	4	9	1	V	5.5	2.2	2.3	243
250051004	2012	4	9	2	V	8.4	2.4	4.14	259
250051004	2012	4	9	3	V	4.7	2.6	7.38	261
250051004	2012	4	9	4	V	5.4	-999	7.38	266
250051004	2012	4	9	5	V	4.8	-999	4.22	236
250051004	2012	4	9	6	V	5.0	1.9	4.88	238
250051004	2012	4	9	7	V	6.8	2.1	6.72	248
250051004	2012	4	9	8	V	6.1	2.1	8.73	265
250051004	2012	4	9	9	V	5.8	2.1	9.27	276
250051004	2012	4	9	10	V	5.4	2	9.37	284
250051004	2012	4	9	11	V	9.3	2	9.2	276
250051004	2012	4	9	12	V	7.8	2.1	8.39	276
250051004	2012	4	9	13	V	11.8	2	8.23	266
250051004	2012	4	9	14	V	8.3	2.1	8.35	270
250051004	2012	4	9	15	V	3.3	2.1	8.67	262
250051004	2012	4	9	16	V	2.3	2.2	8.56	271
250051004	2012	4	9	17	V	3.6	2.1	7.77	272
250051004	2012	4	9	18	V	2.5	1.8	7.94	287
250051004	2012	4	9	19	V	2.3	1.6	5.23	285
250051004	2012	4	9	20	V	2.0	1.5	2.86	294
250051004	2012	4	9	21	V	2.3	2.1	1.76	259
250051004	2012	4	9	22	V	2.1	2	2.36	193
250051004	2012	4	9	23	V	2.6	1.9	1.76	222
250051004	2012	4	9	24	C	-999	1.8	0	0
250051004	2012	4	10	1	V	5.5	2.1	1.61	222
250051004	2012	4	10	2	V	8.4	2.2	1.79	223
250051004	2012	4	10	3	V	4.7	3.2	1.89	232
250051004	2012	4	10	4	V	5.4	2	2.98	251
250051004	2012	4	10	5	V	4.8	2.2	3.35	230
250051004	2012	4	10	6	V	5.0	2.3	4.1	235
250051004	2012	4	10	7	V	6.8	2.4	4.12	243
250051004	2012	4	10	8	V	6.1	2.3	5.67	255
250051004	2012	4	10	9	V	5.8	2.3	7.11	266
250051004	2012	4	10	10	V	5.4	2.2	7.04	267
250051004	2012	4	10	11	V	9.3	1.9	7.88	269
250051004	2012	4	10	12	V	7.8	5.5	7.04	268
250051004	2012	4	10	13	V	11.8	4.2	6.21	262
250051004	2012	4	10	14	V	8.3	2.2	5.9	239
250051004	2012	4	10	15	V	3.3	2.3	8.47	212
250051004	2012	4	10	16	V	2.3	2.3	8.44	208
250051004	2012	4	10	17	V	3.6	2.1	6.82	225
250051004	2012	4	10	18	V	2.5	1.9	4.22	201

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	10	19	V	2.3	-999	5.17	219
250051004	2012	4	10	20	V	2.0	1.8	4.44	236
250051004	2012	4	10	21	V	2.3	1.9	3.42	231
250051004	2012	4	10	22	V	2.1	1.9	1.84	256
250051004	2012	4	10	23	V	2.6	1.9	1.33	260
250051004	2012	4	10	24	V	2.8	2	1.4	261
250051004	2012	4	11	1	V	5.5	1.8	1.99	311
250051004	2012	4	11	2	V	8.4	1.9	1.38	341
250051004	2012	4	11	3	V	4.7	1.9	1.37	277
250051004	2012	4	11	4	V	5.4	1.8	1.57	287
250051004	2012	4	11	5	V	4.8	1.9	1.54	268
250051004	2012	4	11	6	V	5.0	2.3	1.69	285
250051004	2012	4	11	7	V	7.1	2.5	2.61	330
250051004	2012	4	11	8	V	6.1	2.2	4.95	3
250051004	2012	4	11	9	V	5.8	2.2	4.78	21
250051004	2012	4	11	10	V	5.4	2.2	4.39	29
250051004	2012	4	11	11	V	9.3	2.2	4.19	23
250051004	2012	4	11	12	V	7.8	1.9	2.71	57
250051004	2012	4	11	13	V	11.8	1.6	2.74	7
250051004	2012	4	11	14	V	8.3	1.7	3.01	42
250051004	2012	4	11	15	V	3.3	1.6	4.31	59
250051004	2012	4	11	16	V	2.3	1.6	1.55	246
250051004	2012	4	11	17	V	3.6	1.6	1.37	208
250051004	2012	4	11	18	V	2.5	1.5	1.16	27
250051004	2012	4	11	19	V	2.3	1.4	3.34	82
250051004	2012	4	11	20	V	2.0	1.5	3.66	53
250051004	2012	4	11	21	V	2.3	1.7	2.79	9
250051004	2012	4	11	22	V	2.1	1.6	1.94	357
250051004	2012	4	11	23	V	2.6	1.3	3.54	348
250051004	2012	4	11	24	V	2.8	1.3	3.69	346
250051004	2012	4	12	1	V	5.5	1.6	3.07	343
250051004	2012	4	12	2	V	8.4	1.7	3.08	342
250051004	2012	4	12	3	V	4.7	1.7	4.02	342
250051004	2012	4	12	4	V	5.4	1.7	4.36	351
250051004	2012	4	12	5	V	4.8	1.5	4.22	356
250051004	2012	4	12	6	V	5.0	1.6	3.51	350
250051004	2012	4	12	7	V	6.8	2.1	4.42	354
250051004	2012	4	12	8	V	6.1	2.2	6.18	8
250051004	2012	4	12	9	V	5.8	2.3	6.19	8
250051004	2012	4	12	10	V	5.4	1.9	5.63	22
250051004	2012	4	12	11	V	9.3	1.9	5	31
250051004	2012	4	12	12	V	7.8	2	5.99	349
250051004	2012	4	12	13	V	11.8	2.6	3.36	31
250051004	2012	4	12	14	V	8.3	1.5	6.52	7
250051004	2012	4	12	15	V	3.3	1.3	6.82	345
250051004	2012	4	12	16	V	2.3	1.8	3.95	39

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	12	17	V	3.6	1.5	3.59	20
250051004	2012	4	12	18	V	2.5	1.3	4.25	19
250051004	2012	4	12	19	V	2.3	0.9	3.81	317
250051004	2012	4	12	20	V	2.0	1.4	2.67	279
250051004	2012	4	12	21	V	2.3	1.5	1.76	341
250051004	2012	4	12	22	V	2.1	1.1	1.74	318
250051004	2012	4	12	23	V	2.6	1.3	1.57	292
250051004	2012	4	12	24	V	2.8	1.7	2.13	291
250051004	2012	4	13	1	V	5.5	3.6	2.56	283
250051004	2012	4	13	2	V	8.4	5.4	2.33	287
250051004	2012	4	13	3	V	4.7	3.3	1.99	295
250051004	2012	4	13	4	V	5.4	4	1.71	293
250051004	2012	4	13	5	V	4.8	2.8	1.25	330
250051004	2012	4	13	6	V	5.0	2.9	0.65	254
250051004	2012	4	13	7	V	6.8	3.9	1.54	287
250051004	2012	4	13	8	V	6.1	3.8	4.22	354
250051004	2012	4	13	9	V	5.8	6.3	4.56	356
250051004	2012	4	13	10	V	5.4	3.5	4.2	341
250051004	2012	4	13	11	V	9.3	1.5	3.56	348
250051004	2012	4	13	12	V	7.8	1.2	3.2	302
250051004	2012	4	13	13	V	11.8	1.2	4.07	281
250051004	2012	4	13	14	V	8.3	1.1	3.17	318
250051004	2012	4	13	15	V	3.3	1.2	6.52	158
250051004	2012	4	13	16	V	2.3	1.2	5.67	145
250051004	2012	4	13	17	V	3.6	1.3	5.5	162
250051004	2012	4	13	18	V	2.5	1.9	3.97	271
250051004	2012	4	13	19	V	2.3	-999	3.22	284
250051004	2012	4	13	20	V	2.0	1.3	3.42	215
250051004	2012	4	13	21	V	2.3	1.4	3.95	237
250051004	2012	4	13	22	V	2.1	1.5	4.85	250
250051004	2012	4	13	23	V	2.6	1.5	4.53	255
250051004	2012	4	13	24	V	2.8	1.5	4.02	260
250051004	2012	4	14	1	V	5.5	1.4	4.31	264
250051004	2012	4	14	2	V	8.4	1.7	3.57	271
250051004	2012	4	14	3	V	4.7	1.7	1.96	272
250051004	2012	4	14	4	V	5.4	2.8	2.25	260
250051004	2012	4	14	5	V	4.8	2.9	2.21	261
250051004	2012	4	14	6	V	5.0	2.6	2.44	247
250051004	2012	4	14	7	V	6.8	2.6	2.71	251
250051004	2012	4	14	8	V	6.1	4.4	2.76	286
250051004	2012	4	14	9	V	5.8	3.6	3.56	288
250051004	2012	4	14	10	V	5.4	2.6	3.17	292
250051004	2012	4	14	11	V	9.3	1.7	4.17	291
250051004	2012	4	14	12	V	7.8	1.3	3.83	256
250051004	2012	4	14	13	V	11.8	1.3	3.64	227
250051004	2012	4	14	14	V	8.3	1.5	6.99	156

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	14	15	V	3.3	1.8	5.43	153
250051004	2012	4	14	16	V	2.3	1.6	6.74	223
250051004	2012	4	14	17	V	3.6	1.6	7.28	226
250051004	2012	4	14	18	V	2.5	1.8	5.68	219
250051004	2012	4	14	19	V	2.3	2	5.26	212
250051004	2012	4	14	20	V	2.0	1.8	5.9	229
250051004	2012	4	14	21	V	2.3	1.9	4.7	233
250051004	2012	4	14	22	V	2.1	1.7	3.01	217
250051004	2012	4	14	23	V	2.6	1.7	3.46	229
250051004	2012	4	14	24	V	2.8	2	3.1	239
250051004	2012	4	15	1	V	5.5	1.7	4.66	231
250051004	2012	4	15	2	V	8.4	1.5	2.96	228
250051004	2012	4	15	3	V	4.7	1.5	4.02	186
250051004	2012	4	15	4	V	5.4	1.3	3.52	178
250051004	2012	4	15	5	V	4.8	1.3	3.81	186
250051004	2012	4	15	6	V	5.0	1.2	2.03	201
250051004	2012	4	15	7	V	6.8	1.5	2.98	183
250051004	2012	4	15	8	V	6.1	1.6	1.76	229
250051004	2012	4	15	9	V	5.8	2.1	2.89	238
250051004	2012	4	15	10	V	5.4	2	4.36	247
250051004	2012	4	15	11	V	9.3	1.6	4.46	241
250051004	2012	4	15	12	V	7.8	1.6	5	160
250051004	2012	4	15	13	V	11.8	1.8	4.49	180
250051004	2012	4	15	14	V	8.3	1.9	4.95	216
250051004	2012	4	15	15	V	3.3	2	5.85	239
250051004	2012	4	15	16	V	2.3	1.8	5.56	229
250051004	2012	4	15	17	V	3.6	1.8	4.22	210
250051004	2012	4	15	18	V	2.5	1.8	3.63	204
250051004	2012	4	15	19	V	2.3	1.7	3.3	195
250051004	2012	4	15	20	V	2.0	1.7	3.03	206
250051004	2012	4	15	21	V	2.3	1.7	2.01	179
250051004	2012	4	15	22	V	2.1	1.7	2.1	220
250051004	2012	4	15	23	V	2.6	1.5	2.57	302
250051004	2012	4	15	24	V	2.8	1.4	1.25	289
250051004	2012	4	16	1	V	5.5	1.6	2.42	140
250051004	2012	4	16	2	V	8.4	1.7	2.74	200
250051004	2012	4	16	3	V	4.7	1.5	0.87	165
250051004	2012	4	16	4	V	5.4	1.5	1.47	85
250051004	2012	4	16	5	V	4.8	1.4	2.18	179
250051004	2012	4	16	6	V	5.0	2.2	1.4	166
250051004	2012	4	16	7	V	6.8	2.1	2.06	144
250051004	2012	4	16	8	V	6.1	5.2	2.86	173
250051004	2012	4	16	9	V	5.8	4.5	3.25	159
250051004	2012	4	16	10	V	5.5	7.3	4.02	152
250051004	2012	4	16	11	V	9.3	10.4	4.99	148
250051004	2012	4	16	12	V	7.8	8.6	5.94	149

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	16	13	V	11.8	7.5	6.57	146
250051004	2012	4	16	14	V	8.3	3.6	6.96	152
250051004	2012	4	16	15	V	3.3	2	7.04	154
250051004	2012	4	16	16	V	2.3	2	5.87	158
250051004	2012	4	16	17	V	3.6	2	8.08	191
250051004	2012	4	16	18	V	2.5	1.9	6.33	174
250051004	2012	4	16	19	V	2.3	-999	4.99	162
250051004	2012	4	16	20	V	2.0	1.2	4.63	160
250051004	2012	4	16	21	V	2.3	1.2	4.65	152
250051004	2012	4	16	22	V	2.1	1.2	3.85	142
250051004	2012	4	16	23	V	2.6	1.1	3.1	150
250051004	2012	4	16	24	V	2.8	1.2	3.24	158
250051004	2012	4	17	1	V	5.5	1.1	2.47	163
250051004	2012	4	17	2	V	8.4	1.1	2.52	164
250051004	2012	4	17	3	V	4.7	1.2	1.88	163
250051004	2012	4	17	4	V	5.4	1	1.42	129
250051004	2012	4	17	5	V	4.8	3.3	0.84	160
250051004	2012	4	17	6	V	5.0	2.3	0.89	137
250051004	2012	4	17	7	V	6.8	5.5	0.67	184
250051004	2012	4	17	8	V	6.4	2.9	3.4	343
250051004	2012	4	17	9	V	7.9	2.8	5.1	320
250051004	2012	4	17	10	V	7.8	1.3	6.36	321
250051004	2012	4	17	11	V	11.4	2.4	5.51	320
250051004	2012	4	17	12	V	8.3	3.1	5.39	313
250051004	2012	4	17	13	V	13.0	1.6	5.11	316
250051004	2012	4	17	14	V	8.4	2	4.9	302
250051004	2012	4	17	15	V	3.3	1.3	5.5	298
250051004	2012	4	17	16	V	3.5	1.2	4.26	316
250051004	2012	4	17	17	V	3.6	1.2	4.68	296
250051004	2012	4	17	18	V	2.5	1.3	5.26	304
250051004	2012	4	17	19	V	2.3	1.4	5.51	305
250051004	2012	4	17	20	V	2.0	1.1	4.85	314
250051004	2012	4	17	21	V	2.3	1	6.35	323
250051004	2012	4	17	22	V	2.1	1	5.51	322
250051004	2012	4	17	23	V	2.6	1.1	5.7	317
250051004	2012	4	17	24	V	2.8	1	4.87	329
250051004	2012	4	18	1	V	5.5	1	5.77	330
250051004	2012	4	18	2	V	8.4	1.1	4.48	332
250051004	2012	4	18	3	V	4.7	1	5.73	342
250051004	2012	4	18	4	V	5.4	0.9	5.05	340
250051004	2012	4	18	5	V	4.8	0.8	5.09	346
250051004	2012	4	18	6	V	5.0	0.8	5.02	358
250051004	2012	4	18	7	V	6.8	1	5.6	2
250051004	2012	4	18	8	V	6.1	1	5.68	18
250051004	2012	4	18	9	V	5.8	1	4.78	18
250051004	2012	4	18	10	V	5.4	0.8	3.23	30

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	18	11	V	9.3	0.9	2.4	16
250051004	2012	4	18	12	V	7.8	0.9	2.15	48
250051004	2012	4	18	13	V	11.8	1	2.25	149
250051004	2012	4	18	14	V	8.3	1.1	5.27	150
250051004	2012	4	18	15	V	3.3	1.1	6.04	155
250051004	2012	4	18	16	V	2.3	1.2	5.26	162
250051004	2012	4	18	17	V	3.6	1	5.27	177
250051004	2012	4	18	18	V	2.5	0.9	5.12	176
250051004	2012	4	18	19	V	2.3	0.8	6.52	155
250051004	2012	4	18	20	V	2.0	0.7	5.38	163
250051004	2012	4	18	21	V	2.3	0.8	4.48	168
250051004	2012	4	18	22	V	2.1	0.8	4.22	170
250051004	2012	4	18	23	V	2.6	0.9	3.54	168
250051004	2012	4	18	24	V	2.8	1	3.24	171
250051004	2012	4	19	1	V	5.5	1	3.46	175
250051004	2012	4	19	2	V	8.4	0.9	3.2	188
250051004	2012	4	19	3	V	4.7	1.6	3	194
250051004	2012	4	19	4	V	5.4	2.9	2.69	201
250051004	2012	4	19	5	V	4.8	6.6	2.96	197
250051004	2012	4	19	6	V	5.0	5.3	2.28	196
250051004	2012	4	19	7	V	6.8	4.6	2.33	212
250051004	2012	4	19	8	V	6.1	2.2	3.34	249
250051004	2012	4	19	9	V	5.8	3.3	3.92	251
250051004	2012	4	19	10	V	5.4	-999	4.1	179
250051004	2012	4	19	11	V	9.3	3	5	154
250051004	2012	4	19	12	V	7.8	3.4	7.52	153
250051004	2012	4	19	13	V	11.8	5.8	7.52	154
250051004	2012	4	19	14	V	8.3	1.3	7.57	151
250051004	2012	4	19	15	V	3.3	1.3	7.09	170
250051004	2012	4	19	16	V	2.3	1.1	6.62	185
250051004	2012	4	19	17	V	3.6	1.4	5.38	164
250051004	2012	4	19	18	V	2.5	1.2	5.38	177
250051004	2012	4	19	19	V	2.3	-999	5.36	177
250051004	2012	4	19	20	V	2.0	1	4.46	185
250051004	2012	4	19	21	V	2.3	0.6	3.34	187
250051004	2012	4	19	22	V	2.1	0.6	2.79	188
250051004	2012	4	19	23	V	2.6	0.9	2.64	201
250051004	2012	4	19	24	V	2.8	1.1	2.23	191
250051004	2012	4	20	1	V	5.5	1.1	2.18	189
250051004	2012	4	20	2	V	8.4	1.1	1.88	206
250051004	2012	4	20	3	V	4.7	2.2	2.35	177
250051004	2012	4	20	4	V	5.4	6.6	2.22	178
250051004	2012	4	20	5	V	4.8	4.3	2.2	172
250051004	2012	4	20	6	V	5.0	5.2	2.33	182
250051004	2012	4	20	7	V	6.8	6.7	2.74	176
250051004	2012	4	20	8	V	6.1	6.1	3.12	174

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	20	9	V	5.8	-999	4.12	159
250051004	2012	4	20	10	V	5.4	-999	5.21	144
250051004	2012	4	20	11	V	9.3	5	6.89	147
250051004	2012	4	20	12	V	7.8	3.7	7.93	150
250051004	2012	4	20	13	V	11.8	2.3	6.97	151
250051004	2012	4	20	14	V	8.3	1	7.1	151
250051004	2012	4	20	15	V	3.3	1	8.54	154
250051004	2012	4	20	16	V	2.3	1	8.66	152
250051004	2012	4	20	17	V	3.6	1.2	8.08	157
250051004	2012	4	20	18	V	2.5	1.1	6.02	152
250051004	2012	4	20	19	V	2.3	1.1	4.77	154
250051004	2012	4	20	20	V	2.0	1	3.68	166
250051004	2012	4	20	21	V	2.3	1.1	3.05	167
250051004	2012	4	20	22	V	2.1	1.2	1.93	147
250051004	2012	4	20	23	V	2.6	1.2	2.06	143
250051004	2012	4	20	24	V	2.8	1.4	2.13	161
250051004	2012	4	21	1	V	5.5	1.2	2.42	155
250051004	2012	4	21	2	V	8.4	1.1	2.67	158
250051004	2012	4	21	3	V	4.7	1.1	3.06	152
250051004	2012	4	21	4	V	5.4	1.2	2.38	150
250051004	2012	4	21	5	V	4.8	1.2	2.66	155
250051004	2012	4	21	6	V	5.0	1.1	2.49	163
250051004	2012	4	21	7	V	6.8	1.1	2.42	182
250051004	2012	4	21	8	V	6.1	1.2	3.54	177
250051004	2012	4	21	9	V	5.8	1.1	4.8	203
250051004	2012	4	21	10	V	5.4	1.3	4	194
250051004	2012	4	21	11	V	9.3	1.3	4.58	151
250051004	2012	4	21	12	V	7.8	1.3	5.95	152
250051004	2012	4	21	13	V	11.8	1.3	6.62	147
250051004	2012	4	21	14	V	8.3	1.4	7.98	149
250051004	2012	4	21	15	V	3.3	1.4	7.23	153
250051004	2012	4	21	16	V	2.3	1.6	7.71	152
250051004	2012	4	21	17	V	3.6	1.5	6.62	148
250051004	2012	4	21	18	V	2.5	1.3	5.5	151
250051004	2012	4	21	19	V	2.3	1.4	4.95	158
250051004	2012	4	21	20	V	2.0	1.2	4.05	154
250051004	2012	4	21	21	V	2.3	1.2	4.51	152
250051004	2012	4	21	22	V	2.1	1.2	2.57	162
250051004	2012	4	21	23	V	2.6	1.2	2.23	148
250051004	2012	4	21	24	V	2.8	1.3	2.21	139
250051004	2012	4	22	1	V	5.5	1.3	2.47	151
250051004	2012	4	22	2	V	8.4	1.2	2.49	145
250051004	2012	4	22	3	V	4.7	1.2	2.35	138
250051004	2012	4	22	4	V	5.4	1.3	3.78	149
250051004	2012	4	22	5	V	4.8	1.4	3.27	154
250051004	2012	4	22	6	V	5.0	1.3	2.76	165

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	22	7	V	6.8	1.2	2.27	157
250051004	2012	4	22	8	V	6.1	1.1	2.49	34
250051004	2012	4	22	9	V	5.8	1.3	4.66	360
250051004	2012	4	22	10	V	5.4	1.4	4.48	351
250051004	2012	4	22	11	V	9.3	1.3	4.95	2
250051004	2012	4	22	12	V	7.8	1.4	5.28	19
250051004	2012	4	22	13	V	11.8	1.3	6.74	47
250051004	2012	4	22	14	V	8.3	1.1	6.6	40
250051004	2012	4	22	15	V	3.3	1.2	6.55	40
250051004	2012	4	22	16	V	2.3	1.1	7.09	44
250051004	2012	4	22	17	V	3.6	1.2	7.13	38
250051004	2012	4	22	18	V	2.5	1.1	6.43	32
250051004	2012	4	22	19	V	2.3	-999	7.4	32
250051004	2012	4	22	20	V	2.0	1.2	7.88	32
250051004	2012	4	22	21	V	2.3	1.1	8.35	32
250051004	2012	4	22	22	V	2.1	1.4	8.16	31
250051004	2012	4	22	23	V	2.6	1.6	8.03	30
250051004	2012	4	22	24	V	2.8	1.7	9.3	35
250051004	2012	4	23	1	V	5.5	1.7	5.9	24
250051004	2012	4	23	2	V	8.4	2	4.61	20
250051004	2012	4	23	3	V	4.7	2.1	7.71	163
250051004	2012	4	23	4	V	5.4	-999	9.3	148
250051004	2012	4	23	5	V	4.8	-999	10.43	153
250051004	2012	4	23	6	V	5.0	1.9	10	156
250051004	2012	4	23	7	V	6.8	2	9.87	155
250051004	2012	4	23	8	V	6.1	1.7	8.9	166
250051004	2012	4	23	9	V	5.8	1.7	8.52	166
250051004	2012	4	23	10	V	5.4	1.9	7.3	163
250051004	2012	4	23	11	V	9.3	1.9	4.82	165
250051004	2012	4	23	12	V	7.8	2.1	5.29	177
250051004	2012	4	23	13	V	11.8	1.9	5.68	178
250051004	2012	4	23	14	V	8.3	1.8	5.85	185
250051004	2012	4	23	15	V	3.3	1.8	6.47	191
250051004	2012	4	23	16	V	2.3	1.7	6.65	198
250051004	2012	4	23	17	V	3.6	1.8	6.52	204
250051004	2012	4	23	18	V	2.5	1.9	5.94	204
250051004	2012	4	23	19	V	2.3	1.8	6.4	200
250051004	2012	4	23	20	V	2.0	1.7	6.26	201
250051004	2012	4	23	21	V	2.3	1.8	5.55	204
250051004	2012	4	23	22	V	2.1	1.9	5.41	192
250051004	2012	4	23	23	V	2.6	1.9	5.82	193
250051004	2012	4	23	24	V	2.8	1.9	5.05	195
250051004	2012	4	24	1	V	5.5	1.9	3.81	174
250051004	2012	4	24	2	V	8.4	1.8	6.4	176
250051004	2012	4	24	3	V	4.7	2.6	7.18	191
250051004	2012	4	24	4	V	5.4	3.7	6.74	201

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	24	5	V	4.8	5	6.5	205
250051004	2012	4	24	6	V	5.0	3.1	4.59	207
250051004	2012	4	24	7	V	6.8	3.4	5.67	206
250051004	2012	4	24	8	V	6.1	4.4	9.07	203
250051004	2012	4	24	9	V	5.8	4.7	9.61	208
250051004	2012	4	24	10	V	5.4	5	8.08	213
250051004	2012	4	24	11	V	9.3	7.5	9.34	213
250051004	2012	4	24	12	V	7.8	4.9	8.16	216
250051004	2012	4	24	13	V	11.8	7.6	7.65	216
250051004	2012	4	24	14	V	8.3	4.6	7.91	218
250051004	2012	4	24	15	V	3.3	1.9	8.33	215
250051004	2012	4	24	16	V	2.3	2.1	7.86	217
250051004	2012	4	24	17	V	3.6	2	8.33	205
250051004	2012	4	24	18	V	2.5	2	7.35	204
250051004	2012	4	24	19	V	2.3	1.7	6.35	192
250051004	2012	4	24	20	V	2.0	1.6	4.82	180
250051004	2012	4	24	21	V	2.3	1.7	4.63	176
250051004	2012	4	24	22	V	2.1	1.7	5.26	182
250051004	2012	4	24	23	V	2.6	1.7	4.92	196
250051004	2012	4	24	24	V	2.8	1.6	3.8	204
250051004	2012	4	25	1	V	5.5	1.5	3.17	204
250051004	2012	4	25	2	V	8.4	1.5	2.15	206
250051004	2012	4	25	3	V	4.7	11	1.64	228
250051004	2012	4	25	4	V	5.4	6.9	0.92	236
250051004	2012	4	25	5	V	4.8	3	1.6	216
250051004	2012	4	25	6	V	5.0	2.8	1.08	170
250051004	2012	4	25	7	V	6.8	2.8	3.52	259
250051004	2012	4	25	8	V	6.1	2.1	4.19	291
250051004	2012	4	25	9	V	5.9	1.9	2.37	280
250051004	2012	4	25	10	V	5.6	1.8	2.01	255
250051004	2012	4	25	11	V	9.3	1.6	3.98	253
250051004	2012	4	25	12	V	7.8	2.1	5.21	258
250051004	2012	4	25	13	V	11.8	7	5.77	232
250051004	2012	4	25	14	V	8.4	3.7	5.55	257
250051004	2012	4	25	15	V	3.3	1.5	6.53	250
250051004	2012	4	25	16	V	2.3	1.5	6.82	235
250051004	2012	4	25	17	V	3.6	1.4	6.16	226
250051004	2012	4	25	18	V	2.5	1.5	3.92	295
250051004	2012	4	25	19	V	2.3	-999	2.89	277
250051004	2012	4	25	20	V	2.0	1.4	3.57	269
250051004	2012	4	25	21	V	2.3	4.8	1.82	253
250051004	2012	4	25	22	V	2.1	1.7	2.44	254
250051004	2012	4	25	23	V	2.6	1.7	2.32	266
250051004	2012	4	25	24	V	2.8	2.3	2.23	268
250051004	2012	4	26	1	V	5.5	2.6	2.33	272
250051004	2012	4	26	2	V	8.4	1.8	2.79	271

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	26	3	V	4.7	1.5	2.4	273
250051004	2012	4	26	4	V	5.4	1.4	2.1	279
250051004	2012	4	26	5	V	4.8	1.5	1.93	271
250051004	2012	4	26	6	V	5.0	1.9	1.69	276
250051004	2012	4	26	7	V	6.9	2.7	2.03	278
250051004	2012	4	26	8	V	6.2	3.1	2.38	295
250051004	2012	4	26	9	V	6.0	2.5	1.74	247
250051004	2012	4	26	10	V	5.6	1.8	2.2	171
250051004	2012	4	26	11	V	9.3	1.7	3.78	161
250051004	2012	4	26	12	V	7.8	6.7	7.14	152
250051004	2012	4	26	13	V	11.8	1.5	6.87	156
250051004	2012	4	26	14	V	8.3	1.5	6.33	152
250051004	2012	4	26	15	V	3.3	1.8	6.19	163
250051004	2012	4	26	16	V	2.3	1.9	5.65	164
250051004	2012	4	26	17	V	3.6	1.7	3.29	162
250051004	2012	4	26	18	V	2.5	1.8	2.89	163
250051004	2012	4	26	19	V	2.3	1.8	3.03	151
250051004	2012	4	26	20	V	2.0	1.5	4.95	158
250051004	2012	4	26	21	V	2.3	1.7	4.07	159
250051004	2012	4	26	22	V	2.1	1.6	5.29	162
250051004	2012	4	26	23	V	2.6	1.6	4.7	161
250051004	2012	4	26	24	V	2.8	1.7	3.35	185
250051004	2012	4	27	1	V	5.5	1.6	2.44	200
250051004	2012	4	27	2	V	8.4	1.7	2.81	240
250051004	2012	4	27	3	V	4.7	1.6	3.9	267
250051004	2012	4	27	4	V	5.4	1.4	6.53	294
250051004	2012	4	27	5	V	4.8	1.6	6.53	304
250051004	2012	4	27	6	V	5.0	1.6	6.38	297
250051004	2012	4	27	7	V	6.8	1.9	7.09	286
250051004	2012	4	27	8	V	6.1	1.8	8.25	294
250051004	2012	4	27	9	V	5.8	1.8	9.85	289
250051004	2012	4	27	10	V	5.4	1.7	9.61	296
250051004	2012	4	27	11	V	9.3	1.7	8.49	294
250051004	2012	4	27	12	V	7.8	1.6	9.17	281
250051004	2012	4	27	13	V	11.8	1.7	9.12	293
250051004	2012	4	27	14	V	8.3	1.4	9.29	285
250051004	2012	4	27	15	V	3.3	1.2	9.8	283
250051004	2012	4	27	16	V	2.3	1.4	8.79	294
250051004	2012	4	27	17	V	3.6	1.2	9.54	295
250051004	2012	4	27	18	V	2.5	1	8.27	300
250051004	2012	4	27	19	V	2.3	1	7.54	298
250051004	2012	4	27	20	V	2.0	1.1	8.05	294
250051004	2012	4	27	21	V	2.3	1.4	6.87	292
250051004	2012	4	27	22	V	2.1	1.3	5.53	295
250051004	2012	4	27	23	V	2.6	1.6	5.7	290
250051004	2012	4	27	24	V	2.8	1.3	4.85	287

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	28	1	V	5.5	1.6	4.78	285
250051004	2012	4	28	2	V	8.4	1.6	3.85	292
250051004	2012	4	28	3	V	4.7	1.7	3.78	296
250051004	2012	4	28	4	V	5.4	1.4	3.2	265
250051004	2012	4	28	5	V	4.8	1.5	4.03	267
250051004	2012	4	28	6	V	5.0	1.5	4.73	263
250051004	2012	4	28	7	V	6.8	1.5	5	290
250051004	2012	4	28	8	V	6.1	1.3	5.77	303
250051004	2012	4	28	9	V	5.8	1.4	5.31	308
250051004	2012	4	28	10	V	5.4	1.4	5.36	288
250051004	2012	4	28	11	V	9.3	1.5	4.51	268
250051004	2012	4	28	12	V	7.8	1.3	5.33	270
250051004	2012	4	28	13	V	11.8	1.3	5.28	273
250051004	2012	4	28	14	V	8.3	1.1	5.75	288
250051004	2012	4	28	15	V	3.3	1.1	6.24	295
250051004	2012	4	28	16	V	2.3	1	6.94	285
250051004	2012	4	28	17	V	3.6	1	7.32	303
250051004	2012	4	28	18	V	2.5	1.2	6.35	301
250051004	2012	4	28	19	V	2.3	-999	3.63	303
250051004	2012	4	28	20	V	2.0	1	2.72	287
250051004	2012	4	28	21	V	2.3	1.1	2.84	236
250051004	2012	4	28	22	V	2.1	1.3	2.32	254
250051004	2012	4	28	23	V	2.6	1.1	2.66	261
250051004	2012	4	28	24	V	2.8	1	3.18	302
250051004	2012	4	29	1	V	5.5	1.1	3.18	305
250051004	2012	4	29	2	V	8.4	1.5	3.01	304
250051004	2012	4	29	3	V	4.7	1.3	3.08	322
250051004	2012	4	29	4	V	5.4	1.4	2.88	327
250051004	2012	4	29	5	V	4.8	1.4	3.68	349
250051004	2012	4	29	6	V	5.0	1.4	2.35	333
250051004	2012	4	29	7	V	6.8	1.4	2.13	336
250051004	2012	4	29	8	V	6.1	1.3	2.95	336
250051004	2012	4	29	9	V	5.8	1.5	3.47	294
250051004	2012	4	29	10	V	5.4	1.8	5.39	298
250051004	2012	4	29	11	V	9.3	1.4	6.04	292
250051004	2012	4	29	12	V	7.8	1.2	6.57	303
250051004	2012	4	29	13	V	11.8	1.3	7.69	298
250051004	2012	4	29	14	V	8.3	1	6.99	307
250051004	2012	4	29	15	V	3.3	1.3	7.2	303
250051004	2012	4	29	16	V	2.3	1.1	7.55	318
250051004	2012	4	29	17	V	3.6	1.2	7.01	311
250051004	2012	4	29	18	V	2.5	1	6.01	308
250051004	2012	4	29	19	V	2.3	0.8	5.36	325
250051004	2012	4	29	20	V	2.0	0.9	5.05	342
250051004	2012	4	29	21	V	2.3	0.9	3.83	336
250051004	2012	4	29	22	V	2.1	1	3.64	336

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	4	29	23	V	2.6	0.8	3.27	342
250051004	2012	4	29	24	V	2.8	0.9	2.95	340
250051004	2012	4	30	1	V	5.5	1	1.77	304
250051004	2012	4	30	2	V	8.4	1.1	1.64	270
250051004	2012	4	30	3	V	4.7	0.9	2.37	288
250051004	2012	4	30	4	V	5.4	1.7	2.23	303
250051004	2012	4	30	5	V	4.8	1.8	2.67	266
250051004	2012	4	30	6	V	5.0	2.3	3.61	269
250051004	2012	4	30	7	V	6.8	4.4	4.22	283
250051004	2012	4	30	8	V	6.1	4	4.19	316
250051004	2012	4	30	9	V	5.8	2.1	4.15	338
250051004	2012	4	30	10	V	5.4	1.4	3.68	5
250051004	2012	4	30	11	V	9.3	1.3	2.54	355
250051004	2012	4	30	12	V	7.8	1.2	2.18	84
250051004	2012	4	30	13	V	11.8	1	2.71	129
250051004	2012	4	30	14	V	8.3	1.2	5.67	160
250051004	2012	4	30	15	V	3.3	1.1	6.46	165
250051004	2012	4	30	16	V	2.3	1	6.13	156
250051004	2012	4	30	17	V	3.6	0.9	6.46	182
250051004	2012	4	30	18	V	2.5	0.8	5.96	194
250051004	2012	4	30	19	V	2.3	0.7	4.7	202
250051004	2012	4	30	20	V	2.0	0.8	3.49	185
250051004	2012	4	30	21	V	2.3	0.8	4.27	185
250051004	2012	4	30	22	V	2.1	0.8	5.04	194
250051004	2012	4	30	23	V	2.6	0.9	4.22	195
250051004	2012	4	30	24	V	2.8	0.9	3.85	194
250051004	2012	5	1	1	V	5.5	0.9	3.97	182
250051004	2012	5	1	2	V	8.4	0.9	4.17	170
250051004	2012	5	1	3	V	4.7	1	5.29	168
250051004	2012	5	1	4	V	5.4	1	4.9	169
250051004	2012	5	1	5	V	4.8	0.8	5.04	168
250051004	2012	5	1	6	V	5.0	0.9	3.95	147
250051004	2012	5	1	7	V	6.8	1.1	4.94	137
250051004	2012	5	1	8	V	6.1	1.1	6.4	150
250051004	2012	5	1	9	V	5.8	1.1	6.6	151
250051004	2012	5	1	10	V	5.4	1	5.53	143
250051004	2012	5	1	11	V	9.3	1.1	5.79	145
250051004	2012	5	1	12	V	7.8	1	5.8	147
250051004	2012	5	1	13	V	11.8	1.2	4.07	139
250051004	2012	5	1	14	V	8.3	1.2	3.32	115
250051004	2012	5	1	15	V	3.3	1.3	3.4	73
250051004	2012	5	1	16	V	2.3	1.3	4.54	36
250051004	2012	5	1	17	V	3.6	1.3	5.39	15
250051004	2012	5	1	18	V	2.5	1.2	6.33	1
250051004	2012	5	1	19	V	2.3	-999	6.29	3
250051004	2012	5	1	20	V	2.0	0.9	6.18	358

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	1	21	V	2.3	1	6.31	11
250051004	2012	5	1	22	V	2.1	1	6.06	9
250051004	2012	5	1	23	V	2.6	1	5.72	11
250051004	2012	5	1	24	V	2.8	0.9	5.14	6
250051004	2012	5	2	1	V	5.5	0.9	4.61	359
250051004	2012	5	2	2	V	8.4	1	4	7
250051004	2012	5	2	3	V	4.7	1.1	4.05	3
250051004	2012	5	2	4	V	5.4	1	4.12	11
250051004	2012	5	2	5	V	4.8	1.1	3.39	19
250051004	2012	5	2	6	V	5.0	0.9	3.74	9
250051004	2012	5	2	7	V	6.8	1	4.56	34
250051004	2012	5	2	8	V	6.1	1.1	3.9	38
250051004	2012	5	2	9	V	5.8	1.1	3.95	44
250051004	2012	5	2	10	V	5.4	1.1	4.93	38
250051004	2012	5	2	11	V	9.3	1.1	4.44	42
250051004	2012	5	2	12	V	7.8	1.1	3.98	53
250051004	2012	5	2	13	V	11.8	1.1	3.44	56
250051004	2012	5	2	14	V	8.3	1	3.15	59
250051004	2012	5	2	15	V	3.3	1	3.12	49
250051004	2012	5	2	16	V	2.3	1	3.03	74
250051004	2012	5	2	17	V	3.6	1.1	3.51	68
250051004	2012	5	2	18	V	2.5	1	3.66	55
250051004	2012	5	2	19	V	2.3	0.7	3.97	83
250051004	2012	5	2	20	V	2.0	0.7	3.93	66
250051004	2012	5	2	21	V	2.3	0.7	3.59	65
250051004	2012	5	2	22	V	2.1	0.8	3.56	73
250051004	2012	5	2	23	V	2.6	0.8	2.59	69
250051004	2012	5	2	24	V	2.8	0.9	1.82	49
250051004	2012	5	3	1	V	5.5	0.9	2.1	58
250051004	2012	5	3	2	V	8.4	0.9	2.13	42
250051004	2012	5	3	3	V	4.7	1	1.67	100
250051004	2012	5	3	4	V	5.4	1	1.23	83
250051004	2012	5	3	5	V	4.8	0.9	1.64	36
250051004	2012	5	3	6	V	5.0	1	1.4	75
250051004	2012	5	3	7	V	6.8	0.9	2.03	134
250051004	2012	5	3	8	V	6.1	1	2.37	131
250051004	2012	5	3	9	V	5.8	0.9	2.83	132
250051004	2012	5	3	10	V	5.4	0.9	2.76	140
250051004	2012	5	3	11	V	9.3	0.8	2.49	145
250051004	2012	5	3	12	V	7.8	1	2.84	147
250051004	2012	5	3	13	V	11.8	1.1	2.91	172
250051004	2012	5	3	14	V	8.3	0.9	3.32	167
250051004	2012	5	3	15	V	3.3	0.8	3.25	190
250051004	2012	5	3	16	V	2.3	0.8	2.28	182
250051004	2012	5	3	17	V	3.6	1	3	168
250051004	2012	5	3	18	V	2.5	1	2.81	173

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	3	19	V	2.3	0.9	3.12	166
250051004	2012	5	3	20	V	2.0	0.9	1.84	200
250051004	2012	5	3	21	V	2.3	0.9	2.37	179
250051004	2012	5	3	22	V	2.1	0.8	2.52	177
250051004	2012	5	3	23	V	2.6	1	1.81	178
250051004	2012	5	3	24	V	2.8	1	2.22	179
250051004	2012	5	4	1	V	5.5	1.1	2.55	199
250051004	2012	5	4	2	V	8.4	1.1	3.17	200
250051004	2012	5	4	3	V	4.7	1.4	3.2	208
250051004	2012	5	4	4	V	5.4	1.3	2.4	187
250051004	2012	5	4	5	V	4.8	1.3	1.03	197
250051004	2012	5	4	6	V	5.0	1.5	2.27	172
250051004	2012	5	4	7	V	6.8	1.4	4.17	173
250051004	2012	5	4	8	V	6.1	1.4	3.59	170
250051004	2012	5	4	9	V	5.9	2.5	2.01	210
250051004	2012	5	4	10	V	5.4	5.2	3.71	201
250051004	2012	5	4	11	V	9.3	5.7	3.47	201
250051004	2012	5	4	12	V	7.8	7.1	3.57	191
250051004	2012	5	4	13	V	11.8	4.1	3.08	190
250051004	2012	5	4	14	V	8.3	1.7	3.32	204
250051004	2012	5	4	15	V	3.3	1.5	2.84	210
250051004	2012	5	4	16	V	2.3	1.4	3.63	147
250051004	2012	5	4	17	V	3.6	1.3	3.2	131
250051004	2012	5	4	18	V	2.5	1.3	2.78	92
250051004	2012	5	4	19	V	2.3	-999	2.4	74
250051004	2012	5	4	20	V	2.0	1.1	1.38	75
250051004	2012	5	4	21	V	2.3	0.9	1.93	141
250051004	2012	5	4	22	V	2.1	1.1	3.23	164
250051004	2012	5	4	23	V	2.6	1	2.42	141
250051004	2012	5	4	24	V	2.8	1	2.2	128
250051004	2012	5	5	1	V	5.5	1.2	1.69	127
250051004	2012	5	5	2	V	8.4	1.2	2.08	149
250051004	2012	5	5	3	V	4.7	1.1	1.42	166
250051004	2012	5	5	4	V	5.4	0.9	1.48	121
250051004	2012	5	5	5	V	4.8	1.3	1.84	140
250051004	2012	5	5	6	V	5.0	1.2	2.2	163
250051004	2012	5	5	7	V	6.8	1	1.45	157
250051004	2012	5	5	8	V	6.1	1.2	1.43	114
250051004	2012	5	5	9	V	5.8	1.2	1.59	169
250051004	2012	5	5	10	V	5.5	1.1	0.99	166
250051004	2012	5	5	11	V	9.6	1.3	0.57	173
250051004	2012	5	5	12	V	8.0	1.4	0.74	152
250051004	2012	5	5	13	V	11.8	1.2	1.5	144
250051004	2012	5	5	14	V	8.3	1.1	1.84	146
250051004	2012	5	5	15	V	3.3	1.3	2.42	153
250051004	2012	5	5	16	V	2.3	1.2	2.28	154

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	5	17	V	3.6	1.3	1.96	154
250051004	2012	5	5	18	V	2.5	1.2	2.06	154
250051004	2012	5	5	19	V	2.3	1.2	2.32	154
250051004	2012	5	5	20	V	2.0	1	1.04	149
250051004	2012	5	5	21	V	2.3	1.1	0.82	72
250051004	2012	5	5	22	V	2.1	1.1	0.77	93
250051004	2012	5	5	23	V	2.6	1	1.98	69
250051004	2012	5	5	24	V	2.8	1	2.52	40
250051004	2012	5	6	1	V	5.5	1	3.32	39
250051004	2012	5	6	2	V	8.4	1	2.25	45
250051004	2012	5	6	3	V	4.7	1.2	2.52	41
250051004	2012	5	6	4	V	5.4	1.2	2.28	23
250051004	2012	5	6	5	V	4.8	1	3.08	4
250051004	2012	5	6	6	V	5.0	1	2.88	8
250051004	2012	5	6	7	V	6.8	1.1	2.96	36
250051004	2012	5	6	8	V	6.1	1.2	2.95	37
250051004	2012	5	6	9	V	5.8	1.2	2.67	50
250051004	2012	5	6	10	V	5.4	0.9	2.44	60
250051004	2012	5	6	11	V	9.3	1.1	3.39	85
250051004	2012	5	6	12	V	7.8	1.2	3.85	86
250051004	2012	5	6	13	V	11.8	1	3.15	99
250051004	2012	5	6	14	V	8.3	1.2	2.96	85
250051004	2012	5	6	15	V	3.3	1.2	3	130
250051004	2012	5	6	16	V	2.3	1.1	5.14	165
250051004	2012	5	6	17	V	3.6	1.3	5.92	152
250051004	2012	5	6	18	V	2.5	1.2	5.09	152
250051004	2012	5	6	19	V	2.3	1.2	3.8	153
250051004	2012	5	6	20	V	2.0	1.1	2.95	165
250051004	2012	5	6	21	V	2.3	1	1.69	199
250051004	2012	5	6	22	V	2.1	0.9	2.67	229
250051004	2012	5	6	23	V	2.6	1	1.64	182
250051004	2012	5	6	24	V	2.8	1.2	1.04	173
250051004	2012	5	7	1	V	5.5	0.9	1.16	158
250051004	2012	5	7	2	V	8.4	1.1	1.2	209
250051004	2012	5	7	3	V	4.7	1.2	1.33	242
250051004	2012	5	7	4	V	5.4	-999	1.3	225
250051004	2012	5	7	5	V	4.8	-999	1.25	243
250051004	2012	5	7	6	V	5.0	1.2	0.7	232
250051004	2012	5	7	7	V	6.8	1.4	0.99	216
250051004	2012	5	7	8	V	6.1	1.3	1.62	209
250051004	2012	5	7	9	V	5.8	1.4	1.93	184
250051004	2012	5	7	10	V	5.4	1.2	2.88	157
250051004	2012	5	7	11	V	9.3	1.2	3.93	154
250051004	2012	5	7	12	V	7.8	1.1	5.84	149
250051004	2012	5	7	13	V	11.8	1.1	7.09	156
250051004	2012	5	7	14	V	8.3	1	7.23	148

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	7	15	V	3.3	1	7.88	153
250051004	2012	5	7	16	V	2.3	1.1	6.13	158
250051004	2012	5	7	17	V	3.6	1.2	6.48	195
250051004	2012	5	7	18	V	2.5	1.1	6.02	187
250051004	2012	5	7	19	V	2.3	-999	4.75	194
250051004	2012	5	7	20	V	2.0	1.3	3.51	198
250051004	2012	5	7	21	V	2.3	1.1	3.06	194
250051004	2012	5	7	22	V	2.1	1	2.73	193
250051004	2012	5	7	23	V	2.6	1.2	2.93	205
250051004	2012	5	7	24	V	2.8	1.3	3.03	210
250051004	2012	5	8	1	V	5.5	1.2	3.08	204
250051004	2012	5	8	2	V	8.4	1.3	2.69	197
250051004	2012	5	8	3	V	4.7	0.8	2.22	190
250051004	2012	5	8	4	V	5.4	2.5	2.03	193
250051004	2012	5	8	5	V	4.8	1.3	1.74	165
250051004	2012	5	8	6	V	5.0	1.3	2.42	181
250051004	2012	5	8	7	V	6.8	1.2	3.4	169
250051004	2012	5	8	8	V	6.1	1.3	4.49	165
250051004	2012	5	8	9	V	5.8	1.3	6.02	163
250051004	2012	5	8	10	V	5.4	1.3	6.47	162
250051004	2012	5	8	11	V	9.3	1.3	7.59	162
250051004	2012	5	8	12	V	7.8	1.3	8.49	172
250051004	2012	5	8	13	V	11.8	1.4	9.15	173
250051004	2012	5	8	14	V	8.3	1.3	8.86	169
250051004	2012	5	8	15	V	3.3	1.3	7.33	169
250051004	2012	5	8	16	V	2.3	1.3	7.21	172
250051004	2012	5	8	17	V	3.6	1.4	6.36	170
250051004	2012	5	8	18	V	2.5	1.3	4.9	166
250051004	2012	5	8	19	V	2.3	1.3	5.02	176
250051004	2012	5	8	20	V	2.0	1.3	4.7	177
250051004	2012	5	8	21	V	2.3	1.1	3.86	178
250051004	2012	5	8	22	V	2.1	1.2	2.56	163
250051004	2012	5	8	23	V	2.6	1.4	3.51	193
250051004	2012	5	8	24	V	2.8	1.4	4.07	189
250051004	2012	5	9	1	V	5.5	1.2	3.66	187
250051004	2012	5	9	2	V	8.4	1.2	3.3	175
250051004	2012	5	9	3	V	4.7	1.4	4.09	171
250051004	2012	5	9	4	V	5.4	2	4.8	181
250051004	2012	5	9	5	V	4.8	2.6	4.12	189
250051004	2012	5	9	6	V	5.0	2.7	4.43	185
250051004	2012	5	9	7	V	6.8	3.6	3.81	204
250051004	2012	5	9	8	V	6.1	4.1	3.25	199
250051004	2012	5	9	9	V	5.8	5.5	3.68	191
250051004	2012	5	9	10	V	5.4	5	3.83	193
250051004	2012	5	9	11	V	9.3	5.4	4.24	190
250051004	2012	5	9	12	V	7.8	6.8	4.09	186

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	9	13	V	11.8	7	5.31	198
250051004	2012	5	9	14	V	8.3	3.8	4.44	200
250051004	2012	5	9	15	V	3.3	1.8	2.93	182
250051004	2012	5	9	16	V	2.3	1.8	4.1	193
250051004	2012	5	9	17	V	3.6	1.8	4.65	191
250051004	2012	5	9	18	V	2.5	1.7	4.12	188
250051004	2012	5	9	19	V	2.3	1.8	3.42	176
250051004	2012	5	9	20	V	2.0	1.8	2.35	148
250051004	2012	5	9	21	V	2.3	1.7	2.32	148
250051004	2012	5	9	22	V	2.1	1.7	2.83	155
250051004	2012	5	9	23	V	2.6	1.7	2.95	150
250051004	2012	5	9	24	V	2.8	1.6	1.57	163
250051004	2012	5	10	1	V	5.5	1.7	1.94	136
250051004	2012	5	10	2	V	8.4	1.7	1.21	123
250051004	2012	5	10	3	V	4.7	2.1	1.28	58
250051004	2012	5	10	4	V	5.4	2.2	4.03	342
250051004	2012	5	10	5	V	4.8	2.1	6.13	345
250051004	2012	5	10	6	V	5.0	2.1	4.58	330
250051004	2012	5	10	7	V	6.8	2	4.85	324
250051004	2012	5	10	8	V	6.1	2.1	3.81	324
250051004	2012	5	10	9	V	5.8	2.1	3.57	357
250051004	2012	5	10	10	V	5.4	2.3	3.9	288
250051004	2012	5	10	11	V	9.3	2.5	5.48	290
250051004	2012	5	10	12	V	7.8	2.3	5.96	290
250051004	2012	5	10	13	V	11.8	2.2	5.53	288
250051004	2012	5	10	14	V	8.3	2.1	5.94	283
250051004	2012	5	10	15	V	3.3	2.1	5.29	281
250051004	2012	5	10	16	V	2.3	2.1	6.26	268
250051004	2012	5	10	17	V	3.6	2.1	5.63	267
250051004	2012	5	10	18	V	2.5	2	5.8	282
250051004	2012	5	10	19	V	2.3	-999	5.36	287
250051004	2012	5	10	20	V	2.0	1.9	5.36	284
250051004	2012	5	10	21	V	2.3	1.9	5.16	277
250051004	2012	5	10	22	V	2.1	1.7	4.99	276
250051004	2012	5	10	23	V	2.6	1.7	4.19	268
250051004	2012	5	10	24	V	2.8	1.9	4.24	255
250051004	2012	5	11	1	V	5.5	1.6	4.08	247
250051004	2012	5	11	2	V	8.4	-999	5.65	262
250051004	2012	5	11	3	V	4.7	1.8	4.73	275
250051004	2012	5	11	4	V	5.4	1.8	4.32	276
250051004	2012	5	11	5	V	4.8	1.7	3	283
250051004	2012	5	11	6	V	5.0	1.9	4.05	275
250051004	2012	5	11	7	V	6.8	2	4.83	295
250051004	2012	5	11	8	V	6.1	1.9	5.56	316
250051004	2012	5	11	9	V	5.8	1.8	6.77	305
250051004	2012	5	11	10	V	5.4	1.8	7.15	302

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	11	11	V	9.3	1.7	7.23	288
250051004	2012	5	11	12	V	7.8	1.6	6.21	283
250051004	2012	5	11	13	V	11.8	1.7	4.51	276
250051004	2012	5	11	14	V	8.3	1.7	3.66	273
250051004	2012	5	11	15	V	3.3	1.6	5.84	303
250051004	2012	5	11	16	V	2.3	1.4	3.15	324
250051004	2012	5	11	17	V	3.6	1.3	3.88	302
250051004	2012	5	11	18	V	2.5	1.5	3.81	300
250051004	2012	5	11	19	V	2.3	1.4	3.24	297
250051004	2012	5	11	20	V	2.0	1.5	1.77	274
250051004	2012	5	11	21	V	2.3	1.3	2.44	260
250051004	2012	5	11	22	V	2.1	1.3	3.9	282
250051004	2012	5	11	23	V	2.6	1.8	4.39	288
250051004	2012	5	11	24	V	2.8	2.2	3.51	304
250051004	2012	5	12	1	V	5.5	1.4	3.81	319
250051004	2012	5	12	2	V	8.4	1.2	2.42	303
250051004	2012	5	12	3	V	4.7	1.2	2.11	257
250051004	2012	5	12	4	V	5.4	1.8	2.25	262
250051004	2012	5	12	5	V	4.8	2.4	2.98	263
250051004	2012	5	12	6	V	5.0	2	3.27	267
250051004	2012	5	12	7	V	6.8	2.2	2.98	282
250051004	2012	5	12	8	V	6.1	2.9	2.21	293
250051004	2012	5	12	9	V	5.8	3.3	4.37	277
250051004	2012	5	12	10	V	5.4	1.5	4.97	272
250051004	2012	5	12	11	V	9.3	1.3	5.31	285
250051004	2012	5	12	12	V	7.8	1.4	4.9	278
250051004	2012	5	12	13	V	11.8	1.2	5.07	294
250051004	2012	5	12	14	V	8.3	1.5	5.27	283
250051004	2012	5	12	15	V	3.3	1.5	5.55	289
250051004	2012	5	12	16	V	2.3	1.7	6.02	280
250051004	2012	5	12	17	V	3.6	1.6	5.38	273
250051004	2012	5	12	18	V	2.5	1.5	4.82	269
250051004	2012	5	12	19	V	2.3	1.5	4.12	224
250051004	2012	5	12	20	V	2.0	1.5	3.22	211
250051004	2012	5	12	21	V	2.3	1.9	3.98	232
250051004	2012	5	12	22	V	2.1	1.8	4.49	248
250051004	2012	5	12	23	V	2.6	1.6	4.02	261
250051004	2012	5	12	24	V	2.8	1.7	4.27	261
250051004	2012	5	13	1	V	5.5	1.6	4.26	262
250051004	2012	5	13	2	V	8.4	1.7	3.58	260
250051004	2012	5	13	3	V	4.7	1.8	1.43	245
250051004	2012	5	13	4	V	5.4	1.7	1.77	243
250051004	2012	5	13	5	V	4.8	1.7	2.11	225
250051004	2012	5	13	6	V	5.0	1.9	2.11	240
250051004	2012	5	13	7	V	6.8	2	1.47	221
250051004	2012	5	13	8	V	6.1	1.9	1.91	193

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	13	9	V	5.8	2.1	1.18	147
250051004	2012	5	13	10	V	5.4	2	2.32	146
250051004	2012	5	13	11	V	9.3	1.9	3.76	156
250051004	2012	5	13	12	V	7.8	1.9	4.48	146
250051004	2012	5	13	13	V	11.8	1.9	5.82	172
250051004	2012	5	13	14	V	8.3	2	7.03	213
250051004	2012	5	13	15	V	3.3	2	7.6	208
250051004	2012	5	13	16	V	2.3	1.9	7.2	209
250051004	2012	5	13	17	V	3.6	1.6	7.52	204
250051004	2012	5	13	18	V	2.5	2	6.3	200
250051004	2012	5	13	19	V	2.3	-999	4.9	207
250051004	2012	5	13	20	V	2.0	1.3	4.12	199
250051004	2012	5	13	21	V	2.3	1.4	3.4	204
250051004	2012	5	13	22	V	2.1	1.2	2.64	184
250051004	2012	5	13	23	V	2.6	1.2	2.3	180
250051004	2012	5	13	24	V	2.8	1.1	2.67	173
250051004	2012	5	14	1	V	5.5	1.2	2.33	172
250051004	2012	5	14	2	V	8.4	1.2	1.98	171
250051004	2012	5	14	3	V	4.7	5.3	1.48	72
250051004	2012	5	14	4	V	5.4	2.8	0.84	154
250051004	2012	5	14	5	V	4.8	1.7	1.52	148
250051004	2012	5	14	6	V	5.0	1.6	1.98	157
250051004	2012	5	14	7	V	6.9	1.6	1.77	164
250051004	2012	5	14	8	V	6.1	1.7	1.84	160
250051004	2012	5	14	9	V	5.8	3.4	2.08	142
250051004	2012	5	14	10	V	5.5	5.5	1.98	130
250051004	2012	5	14	11	V	9.3	9	3.57	160
250051004	2012	5	14	12	V	7.8	6	4.63	147
250051004	2012	5	14	13	V	11.8	5	4.83	150
250051004	2012	5	14	14	V	8.3	-999	6.55	198
250051004	2012	5	14	15	V	3.3	-999	7.79	214
250051004	2012	5	14	16	V	2.3	-999	6.33	220
250051004	2012	5	14	17	V	3.6	1.4	5.82	213
250051004	2012	5	14	18	V	2.5	1.4	5.84	215
250051004	2012	5	14	19	V	2.3	1.4	4.36	174
250051004	2012	5	14	20	V	2.0	1.3	4.26	170
250051004	2012	5	14	21	V	2.3	1.2	3.63	176
250051004	2012	5	14	22	V	2.1	1.3	2.81	158
250051004	2012	5	14	23	V	2.6	1.2	1.6	154
250051004	2012	5	14	24	V	2.8	1.3	1.74	161
250051004	2012	5	15	1	V	5.5	1.2	1.96	149
250051004	2012	5	15	2	V	8.4	1.2	1.57	155
250051004	2012	5	15	3	V	4.7	3.3	1.77	157
250051004	2012	5	15	4	V	5.4	2.9	2.47	137
250051004	2012	5	15	5	V	4.8	1.6	1.65	146
250051004	2012	5	15	6	V	5.0	1.2	2.23	154

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	15	7	V	6.8	1	2.84	157
250051004	2012	5	15	8	V	6.1	1.2	4.71	158
250051004	2012	5	15	9	V	5.8	1.3	5.07	170
250051004	2012	5	15	10	V	5.4	1.3	5.82	156
250051004	2012	5	15	11	V	9.3	1.3	6.02	157
250051004	2012	5	15	12	V	7.8	1.2	5.19	153
250051004	2012	5	15	13	V	11.8	1.3	4.12	154
250051004	2012	5	15	14	V	8.3	1.2	4.73	149
250051004	2012	5	15	15	V	3.3	1.4	4.2	148
250051004	2012	5	15	16	V	2.3	1.3	4.14	158
250051004	2012	5	15	17	V	3.6	1.3	3.85	148
250051004	2012	5	15	18	V	2.5	1.3	3.13	127
250051004	2012	5	15	19	V	2.3	1.4	5.53	161
250051004	2012	5	15	20	V	2.0	1.3	5.77	170
250051004	2012	5	15	21	V	2.3	1.2	4.68	170
250051004	2012	5	15	22	V	2.1	1.3	3.8	197
250051004	2012	5	15	23	V	2.6	1.3	4.41	208
250051004	2012	5	15	24	V	2.8	1.5	3.71	193
250051004	2012	5	16	1	V	5.5	1.4	3.08	177
250051004	2012	5	16	2	V	8.4	1.4	1.93	176
250051004	2012	5	16	3	V	4.7	3.4	1.98	131
250051004	2012	5	16	4	V	5.4	4.9	2.18	138
250051004	2012	5	16	5	V	4.8	1.6	2.52	143
250051004	2012	5	16	6	V	5.0	1.5	2.84	148
250051004	2012	5	16	7	V	6.8	2.3	2.11	175
250051004	2012	5	16	8	V	6.1	3.7	2.06	130
250051004	2012	5	16	9	V	5.8	3.5	2.27	183
250051004	2012	5	16	10	V	5.4	5.8	4.22	199
250051004	2012	5	16	11	V	9.3	5.1	4.22	186
250051004	2012	5	16	12	V	7.8	5.2	3.73	150
250051004	2012	5	16	13	V	11.9	5.9	3.18	206
250051004	2012	5	16	14	V	8.3	5	4.61	212
250051004	2012	5	16	15	V	3.3	-999	5.07	212
250051004	2012	5	16	16	V	2.3	-999	5	208
250051004	2012	5	16	17	V	3.6	-999	5.09	196
250051004	2012	5	16	18	V	2.5	1.7	5.07	198
250051004	2012	5	16	19	V	2.3	-999	3.83	152
250051004	2012	5	16	20	V	2.0	1.5	4.12	156
250051004	2012	5	16	21	V	2.3	1.5	4.12	169
250051004	2012	5	16	22	V	2.1	1.4	3.13	170
250051004	2012	5	16	23	V	2.6	1.5	2.66	171
250051004	2012	5	16	24	V	2.8	1.4	1.88	176
250051004	2012	5	17	1	V	5.5	1.4	1.33	171
250051004	2012	5	17	2	V	8.4	1.4	1.48	213
250051004	2012	5	17	3	V	4.7	1.5	3.63	319
250051004	2012	5	17	4	V	5.4	1.6	3.68	311

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	17	5	V	4.8	1.5	4.82	326
250051004	2012	5	17	6	V	5.0	1.5	4.71	328
250051004	2012	5	17	7	V	6.8	1.4	4.58	331
250051004	2012	5	17	8	V	6.1	1.5	5.53	340
250051004	2012	5	17	9	V	5.8	1.4	5.5	346
250051004	2012	5	17	10	V	5.4	1.3	5.44	343
250051004	2012	5	17	11	V	9.3	1.4	4.99	340
250051004	2012	5	17	12	V	7.8	1.5	4.76	340
250051004	2012	5	17	13	V	11.8	1.5	4.78	329
250051004	2012	5	17	14	V	8.3	1.4	4.27	349
250051004	2012	5	17	15	V	3.3	1.4	3.68	345
250051004	2012	5	17	16	V	2.3	1.5	2.62	316
250051004	2012	5	17	17	V	3.6	1.3	3.57	304
250051004	2012	5	17	18	V	2.5	1.4	2.62	294
250051004	2012	5	17	19	V	2.3	1.6	2.41	347
250051004	2012	5	17	20	V	2.0	1.6	2.1	180
250051004	2012	5	17	21	V	2.3	1.3	2.81	150
250051004	2012	5	17	22	V	2.1	1.1	1.57	169
250051004	2012	5	17	23	V	2.6	0.9	1.45	217
250051004	2012	5	17	24	V	2.8	1.1	1.03	261
250051004	2012	5	18	1	V	5.5	1.1	0.72	235
250051004	2012	5	18	2	V	8.4	1.1	0.87	239
250051004	2012	5	18	3	V	4.7	1.6	1.6	262
250051004	2012	5	18	4	V	5.4	1.6	1.53	280
250051004	2012	5	18	5	V	4.8	1.2	0.91	285
250051004	2012	5	18	6	V	5.0	1.3	2.4	354
250051004	2012	5	18	7	V	6.8	1.9	1.86	356
250051004	2012	5	18	8	V	6.1	2.5	1.11	354
250051004	2012	5	18	9	V	5.8	2.3	1.25	54
250051004	2012	5	18	10	V	5.4	1.4	2.64	107
250051004	2012	5	18	11	V	9.3	1.2	2.73	117
250051004	2012	5	18	12	V	7.8	1.2	2.15	107
250051004	2012	5	18	13	V	11.8	1.5	2.73	120
250051004	2012	5	18	14	V	8.3	2.3	4.83	153
250051004	2012	5	18	15	V	3.3	1.4	6.19	154
250051004	2012	5	18	16	V	2.3	1.1	6.19	161
250051004	2012	5	18	17	V	3.6	1.3	6.02	173
250051004	2012	5	18	18	V	2.5	1.1	5.21	190
250051004	2012	5	18	19	V	2.3	1.1	3.93	184
250051004	2012	5	18	20	V	2.0	1.2	2.04	194
250051004	2012	5	18	21	V	2.3	1.2	1.28	215
250051004	2012	5	18	22	V	2.1	1.2	1.21	190
250051004	2012	5	18	23	V	2.6	1.1	1.48	280
250051004	2012	5	18	24	V	2.8	1.3	1.25	301
250051004	2012	5	19	1	V	5.5	1.2	1.09	275
250051004	2012	5	19	2	V	8.4	1.2	1.5	283

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	19	3	V	4.7	1.3	1.23	309
250051004	2012	5	19	4	V	5.4	1.4	1.76	324
250051004	2012	5	19	5	V	4.8	1.6	0.86	321
250051004	2012	5	19	6	V	5.0	1.6	0.96	83
250051004	2012	5	19	7	V	6.8	1.6	1.57	14
250051004	2012	5	19	8	V	6.1	1.8	2.59	9
250051004	2012	5	19	9	V	5.8	1.4	3.32	38
250051004	2012	5	19	10	V	5.4	1.4	3.3	57
250051004	2012	5	19	11	V	9.3	1.4	3.71	62
250051004	2012	5	19	12	V	7.8	1.4	4.42	91
250051004	2012	5	19	13	V	11.8	1.4	4.78	90
250051004	2012	5	19	14	V	8.3	1.3	4.94	90
250051004	2012	5	19	15	V	3.3	1.3	5.24	83
250051004	2012	5	19	16	V	2.3	1.3	5.05	79
250051004	2012	5	19	17	V	3.6	1.2	4.32	83
250051004	2012	5	19	18	V	2.5	1.4	4.09	98
250051004	2012	5	19	19	V	2.3	-999	3.08	101
250051004	2012	5	19	20	V	2.0	1.3	1.98	132
250051004	2012	5	19	21	V	2.3	1.3	2.08	174
250051004	2012	5	19	22	V	2.1	1.4	1.23	191
250051004	2012	5	19	23	V	2.6	1.4	1.03	221
250051004	2012	5	19	24	V	2.8	1.2	1.26	257
250051004	2012	5	20	1	V	5.5	1.2	1.79	262
250051004	2012	5	20	2	V	8.4	1.3	1.28	268
250051004	2012	5	20	3	V	4.7	1.5	1.25	269
250051004	2012	5	20	4	V	5.4	1.4	1.21	287
250051004	2012	5	20	5	V	4.8	1.7	0.92	300
250051004	2012	5	20	6	V	5.0	1.8	1.62	343
250051004	2012	5	20	7	V	6.8	1.5	0.86	52
250051004	2012	5	20	8	V	6.1	1.3	1.53	99
250051004	2012	5	20	9	V	5.8	1.3	2.44	101
250051004	2012	5	20	10	V	5.4	0.9	3.46	103
250051004	2012	5	20	11	V	9.3	1.1	3.08	130
250051004	2012	5	20	12	V	7.8	0.9	4.32	157
250051004	2012	5	20	13	V	11.8	1	4.49	166
250051004	2012	5	20	14	V	8.3	1	4.54	157
250051004	2012	5	20	15	V	3.3	1	4.71	161
250051004	2012	5	20	16	V	2.3	1.1	5.31	158
250051004	2012	5	20	17	V	3.6	1	4.63	158
250051004	2012	5	20	18	V	2.5	1.1	3.81	152
250051004	2012	5	20	19	V	2.3	1.1	2.74	153
250051004	2012	5	20	20	V	2.0	1.2	2.22	130
250051004	2012	5	20	21	V	2.3	1.2	1.52	137
250051004	2012	5	20	22	V	2.1	1.1	1.06	107
250051004	2012	5	20	23	V	2.6	1.3	1.84	81
250051004	2012	5	20	24	V	2.8	1.2	1.59	62

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	21	1	V	5.5	1.1	2.79	61
250051004	2012	5	21	2	V	8.4	1.2	2.71	71
250051004	2012	5	21	3	V	4.7	1.1	2.15	64
250051004	2012	5	21	4	V	5.4	-999	2.76	40
250051004	2012	5	21	5	V	4.8	-999	2.66	28
250051004	2012	5	21	6	V	5.0	0.9	2.98	27
250051004	2012	5	21	7	V	6.8	0.8	3.03	35
250051004	2012	5	21	8	V	6.1	0.9	2.95	43
250051004	2012	5	21	9	V	5.8	1	2.71	67
250051004	2012	5	21	10	V	5.4	1	3.46	55
250051004	2012	5	21	11	V	9.3	1	3.1	53
250051004	2012	5	21	12	V	7.8	0.9	2.69	44
250051004	2012	5	21	13	V	11.8	1	2.59	46
250051004	2012	5	21	14	V	8.3	1.1	3.3	51
250051004	2012	5	21	15	V	3.3	1.1	3.59	58
250051004	2012	5	21	16	V	2.3	1.2	3.3	117
250051004	2012	5	21	17	V	3.6	1.3	3.71	119
250051004	2012	5	21	18	V	2.5	1.1	3.12	122
250051004	2012	5	21	19	V	2.3	1.2	2.69	110
250051004	2012	5	21	20	V	2.0	1.2	2.49	109
250051004	2012	5	21	21	V	2.3	1.3	2.62	96
250051004	2012	5	21	22	V	2.1	1.2	2.3	72
250051004	2012	5	21	23	V	2.6	1.1	2.66	49
250051004	2012	5	21	24	V	2.8	1.1	1.94	55
250051004	2012	5	22	1	V	5.5	1.3	2.2	109
250051004	2012	5	22	2	V	8.4	1.4	1.84	57
250051004	2012	5	22	3	V	4.7	1.2	3.37	33
250051004	2012	5	22	4	V	5.4	1.5	3.18	28
250051004	2012	5	22	5	V	4.8	1.4	2.96	27
250051004	2012	5	22	6	V	5.0	1.5	3.52	32
250051004	2012	5	22	7	V	6.8	1.6	4.02	31
250051004	2012	5	22	8	V	6.1	1.4	4.34	37
250051004	2012	5	22	9	V	5.8	1.6	4.85	29
250051004	2012	5	22	10	V	5.4	1.4	5.34	27
250051004	2012	5	22	11	V	9.3	1.5	5.1	33
250051004	2012	5	22	12	V	7.8	1.6	5.07	38
250051004	2012	5	22	13	V	11.8	1.8	4.48	40
250051004	2012	5	22	14	V	8.3	1.7	3.9	43
250051004	2012	5	22	15	V	3.3	1.7	4.26	43
250051004	2012	5	22	16	V	2.3	1.6	4.56	42
250051004	2012	5	22	17	V	3.6	1.7	4.78	36
250051004	2012	5	22	18	V	2.5	1.7	4.36	30
250051004	2012	5	22	19	V	2.3	-999	3.95	24
250051004	2012	5	22	20	V	2.0	1.3	3.49	15
250051004	2012	5	22	21	V	2.3	1.6	2.81	21
250051004	2012	5	22	22	V	2.1	1.8	2.47	354

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	22	23	V	2.6	1.5	2.98	348
250051004	2012	5	22	24	V	2.8	1.4	2.4	356
250051004	2012	5	23	1	V	5.5	1.5	1.55	330
250051004	2012	5	23	2	V	8.4	1.6	1.76	340
250051004	2012	5	23	3	V	4.7	1.5	1.45	294
250051004	2012	5	23	4	V	5.4	1.6	1.99	318
250051004	2012	5	23	5	V	4.8	1.5	2.69	331
250051004	2012	5	23	6	V	5.0	1.6	3.27	337
250051004	2012	5	23	7	V	6.8	1.5	3.66	344
250051004	2012	5	23	8	V	6.1	1.4	3.57	338
250051004	2012	5	23	9	V	5.8	1.5	3.88	337
250051004	2012	5	23	10	V	5.4	1.6	2.57	340
250051004	2012	5	23	11	V	9.3	1.4	1.91	2
250051004	2012	5	23	12	V	7.8	1.4	1.18	31
250051004	2012	5	23	13	V	11.8	1.5	1.98	172
250051004	2012	5	23	14	V	8.3	1.4	2.04	144
250051004	2012	5	23	15	V	3.3	1.5	2.66	140
250051004	2012	5	23	16	V	2.3	1.6	2.4	116
250051004	2012	5	23	17	V	3.6	1.7	3.25	154
250051004	2012	5	23	18	V	2.5	1.7	3.73	155
250051004	2012	5	23	19	V	2.3	1.8	3.85	158
250051004	2012	5	23	20	V	2.0	1.5	3.83	183
250051004	2012	5	23	21	V	2.3	1.4	2.91	216
250051004	2012	5	23	22	V	2.1	1.4	1.93	213
250051004	2012	5	23	23	V	2.6	1.3	1.86	185
250051004	2012	5	23	24	V	2.8	1.3	1.14	149
250051004	2012	5	24	1	V	5.5	1.3	0.69	153
250051004	2012	5	24	2	V	8.4	1.2	1.11	191
250051004	2012	5	24	3	V	4.7	1.4	0.77	214
250051004	2012	5	24	4	V	5.4	1.3	0.92	159
250051004	2012	5	24	5	V	4.8	1.2	1.48	217
250051004	2012	5	24	6	V	5.0	1.1	2.62	180
250051004	2012	5	24	7	V	6.8	1	3.03	179
250051004	2012	5	24	8	V	6.1	1	2.86	151
250051004	2012	5	24	9	V	5.8	1	2.33	134
250051004	2012	5	24	10	V	5.4	1	2.61	115
250051004	2012	5	24	11	V	9.3	1.1	3.05	151
250051004	2012	5	24	12	V	7.8	1.2	3.17	161
250051004	2012	5	24	13	V	11.8	1.2	4.19	157
250051004	2012	5	24	14	V	8.3	1.2	5.05	162
250051004	2012	5	24	15	V	3.3	1.1	5.68	163
250051004	2012	5	24	16	V	2.3	1.2	5.34	164
250051004	2012	5	24	17	V	3.6	1.1	4.82	174
250051004	2012	5	24	18	V	2.5	1.3	5.19	181
250051004	2012	5	24	19	V	2.3	1.2	4.63	167
250051004	2012	5	24	20	V	2.0	1.2	4.24	165

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	24	21	V	2.3	1.1	3.03	152
250051004	2012	5	24	22	V	2.1	1	3.23	173
250051004	2012	5	24	23	V	2.6	0.9	3.56	169
250051004	2012	5	24	24	V	2.8	1	3.25	168
250051004	2012	5	25	1	V	5.5	1	2.27	160
250051004	2012	5	25	2	V	8.4	1.2	1.96	128
250051004	2012	5	25	3	V	4.7	1	2.47	134
250051004	2012	5	25	4	V	5.4	0.9	1.54	101
250051004	2012	5	25	5	V	4.8	1.1	1.7	100
250051004	2012	5	25	6	V	5.0	1	1.7	107
250051004	2012	5	25	7	V	6.8	1	2.05	102
250051004	2012	5	25	8	V	6.1	1	2.47	100
250051004	2012	5	25	9	V	5.8	1.1	2.13	112
250051004	2012	5	25	10	V	5.4	1	2.5	125
250051004	2012	5	25	11	V	9.3	1.1	2.28	137
250051004	2012	5	25	12	V	7.8	1.1	2.91	161
250051004	2012	5	25	13	V	11.8	1.2	3.93	156
250051004	2012	5	25	14	V	8.3	1.2	3.63	162
250051004	2012	5	25	15	V	3.3	1	4.26	156
250051004	2012	5	25	16	V	2.3	1.2	3.64	154
250051004	2012	5	25	17	V	3.6	1.3	3.81	149
250051004	2012	5	25	18	V	2.5	1.3	2.5	146
250051004	2012	5	25	19	V	2.3	-999	2.54	142
250051004	2012	5	25	20	V	2.0	1.1	3.81	159
250051004	2012	5	25	21	V	2.3	1.1	3.46	166
250051004	2012	5	25	22	V	2.1	1.2	3.39	166
250051004	2012	5	25	23	V	2.6	1.1	3.17	210
250051004	2012	5	25	24	V	2.8	1.2	2.47	213
250051004	2012	5	26	1	V	5.5	1.2	2.49	177
250051004	2012	5	26	2	V	8.4	1.2	3.17	174
250051004	2012	5	26	3	V	4.7	1.1	2.61	193
250051004	2012	5	26	4	V	5.4	1.1	3.27	220
250051004	2012	5	26	5	V	4.8	1.2	3.01	205
250051004	2012	5	26	6	V	5.0	1.2	2.95	204
250051004	2012	5	26	7	V	6.8	1.1	3.52	224
250051004	2012	5	26	8	V	6.1	1.2	3.83	218
250051004	2012	5	26	9	V	5.8	1.2	3.9	235
250051004	2012	5	26	10	V	5.4	1.3	3.91	273
250051004	2012	5	26	11	V	9.3	1.4	4.05	266
250051004	2012	5	26	12	V	7.8	1.5	3.17	264
250051004	2012	5	26	13	V	11.8	1.5	2.96	265
250051004	2012	5	26	14	V	8.3	1.5	4.53	150
250051004	2012	5	26	15	V	3.3	1.6	3.58	157
250051004	2012	5	26	16	V	2.3	1.5	3.41	204
250051004	2012	5	26	17	V	3.6	1.6	4.83	237
250051004	2012	5	26	18	V	2.5	1.2	4.68	248

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	26	19	V	2.3	1.9	2.88	250
250051004	2012	5	26	20	V	2.0	1.7	2.91	218
250051004	2012	5	26	21	V	2.3	1.5	2.27	239
250051004	2012	5	26	22	V	2.1	1.7	1.64	178
250051004	2012	5	26	23	V	2.6	1.7	1.83	199
250051004	2012	5	26	24	V	2.8	1.5	1.35	177
250051004	2012	5	27	1	V	5.5	1.5	1.48	213
250051004	2012	5	27	2	V	8.4	1.5	2.03	291
250051004	2012	5	27	3	V	4.7	1.5	2.49	328
250051004	2012	5	27	4	V	5.4	1.5	2.69	351
250051004	2012	5	27	5	V	4.8	1.5	3.61	358
250051004	2012	5	27	6	M	-999	1.4	3.78	353
250051004	2012	5	27	7	M	-999	1.4	3.85	11
250051004	2012	5	27	8	M	-999	1.5	4.02	21
250051004	2012	5	27	9	M	-999	1.5	4.03	39
250051004	2012	5	27	10	M	-999	1.6	3.52	53
250051004	2012	5	27	11	M	-999	1.6	3.12	81
250051004	2012	5	27	12	M	-999	1.6	2.67	96
250051004	2012	5	27	13	M	-999	1.6	1.94	121
250051004	2012	5	27	14	M	-999	1.7	2.76	181
250051004	2012	5	27	15	M	-999	1.6	5.22	157
250051004	2012	5	27	16	M	-999	1.6	5.89	169
250051004	2012	5	27	17	M	-999	1.6	5.29	157
250051004	2012	5	27	18	M	-999	1.6	5.05	166
250051004	2012	5	27	19	V	2.3	1.6	4.73	160
250051004	2012	5	27	20	V	2.0	1.5	4.65	155
250051004	2012	5	27	21	V	2.3	1.4	3.61	161
250051004	2012	5	27	22	V	2.1	1.5	3.64	167
250051004	2012	5	27	23	V	2.6	1.5	3.2	169
250051004	2012	5	27	24	V	2.8	1.4	3.32	177
250051004	2012	5	28	1	V	5.5	1.4	2.13	140
250051004	2012	5	28	2	V	8.4	1.6	2.61	177
250051004	2012	5	28	3	V	4.7	1.3	1.6	177
250051004	2012	5	28	4	V	5.4	1.3	1.59	210
250051004	2012	5	28	5	V	4.8	1.6	1.72	247
250051004	2012	5	28	6	V	5.0	1.6	1.59	277
250051004	2012	5	28	7	V	6.8	1.5	1.55	312
250051004	2012	5	28	8	V	6.1	1.7	4.32	3
250051004	2012	5	28	9	V	5.8	1.6	3.39	6
250051004	2012	5	28	10	V	5.4	1.7	4.19	13
250051004	2012	5	28	11	V	9.3	1.7	1.93	87
250051004	2012	5	28	12	V	7.8	1.8	2.54	70
250051004	2012	5	28	13	V	11.8	1.8	2.84	85
250051004	2012	5	28	14	V	8.3	1.9	4.03	143
250051004	2012	5	28	15	V	3.3	1.6	6.31	156
250051004	2012	5	28	16	V	2.3	1.8	6.99	166

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	28	17	V	3.6	1.8	5.24	168
250051004	2012	5	28	18	V	2.5	1.8	4.61	165
250051004	2012	5	28	19	V	2.3	-999	4.29	171
250051004	2012	5	28	20	V	2.0	1.3	5	176
250051004	2012	5	28	21	V	2.3	1.6	3.88	175
250051004	2012	5	28	22	V	2.1	1.8	3.66	160
250051004	2012	5	28	23	V	2.6	1.7	4.03	163
250051004	2012	5	28	24	V	2.8	1.7	3.51	152
250051004	2012	5	29	1	V	5.5	1.6	3.73	156
250051004	2012	5	29	2	V	8.4	1.7	3.78	167
250051004	2012	5	29	3	V	4.7	1.6	2.83	167
250051004	2012	5	29	4	V	5.4	1.8	1.98	159
250051004	2012	5	29	5	V	4.8	1.8	1.42	163
250051004	2012	5	29	6	V	5.0	1.7	2.33	160
250051004	2012	5	29	7	V	6.8	3.2	2.79	177
250051004	2012	5	29	8	V	6.1	2.9	1.53	139
250051004	2012	5	29	9	V	5.8	2.1	2.49	129
250051004	2012	5	29	10	V	5.4	2.1	3.12	146
250051004	2012	5	29	11	V	9.3	4.8	3.03	154
250051004	2012	5	29	12	V	7.9	3.3	2.62	140
250051004	2012	5	29	13	V	11.9	3.6	3	150
250051004	2012	5	29	14	V	8.4	4.7	4.66	154
250051004	2012	5	29	15	V	3.3	2.6	5.48	163
250051004	2012	5	29	16	V	2.3	2.2	6.99	208
250051004	2012	5	29	17	V	3.6	2.8	8.4	208
250051004	2012	5	29	18	V	2.5	2.4	5.96	217
250051004	2012	5	29	19	V	2.3	2.3	5.27	213
250051004	2012	5	29	20	V	2.0	2.1	4.29	213
250051004	2012	5	29	21	V	2.3	2.3	3.51	207
250051004	2012	5	29	22	V	2.1	2.2	3.4	242
250051004	2012	5	29	23	V	2.6	2.2	2.42	315
250051004	2012	5	29	24	V	2.8	2.1	1.81	44
250051004	2012	5	30	1	V	5.5	2	2.03	181
250051004	2012	5	30	2	V	8.4	2.8	1.94	214
250051004	2012	5	30	3	V	4.7	4.6	2.39	206
250051004	2012	5	30	4	V	5.4	9.9	2.39	222
250051004	2012	5	30	5	V	4.8	3.3	3.44	236
250051004	2012	5	30	6	V	5.0	2.6	3.13	259
250051004	2012	5	30	7	V	6.8	2.3	3.49	263
250051004	2012	5	30	8	V	6.1	2.5	2.71	260
250051004	2012	5	30	9	V	5.8	2.5	2.54	285
250051004	2012	5	30	10	V	6.9	2.6	1.91	308
250051004	2012	5	30	11	V	9.5	3.8	2.72	350
250051004	2012	5	30	12	V	10.3	2.9	2.49	317
250051004	2012	5	30	13	V	12.1	4.4	1.23	83
250051004	2012	5	30	14	V	8.4	6.1	1.7	200

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	5	30	15	V	3.3	2.9	2.67	184
250051004	2012	5	30	16	V	2.4	2.6	2.69	146
250051004	2012	5	30	17	V	3.6	2.5	3.03	175
250051004	2012	5	30	18	V	2.5	2.4	3.61	188
250051004	2012	5	30	19	V	2.3	2.4	3.27	216
250051004	2012	5	30	20	V	2.0	2.4	2.04	216
250051004	2012	5	30	21	V	2.3	2.3	2.33	280
250051004	2012	5	30	22	V	2.1	2.3	1.18	217
250051004	2012	5	30	23	V	2.6	2.3	1.57	207
250051004	2012	5	30	24	V	2.8	2.4	1.74	240
250051004	2012	5	31	1	V	5.5	2.3	1.16	258
250051004	2012	5	31	2	V	8.4	2.6	0.97	257
250051004	2012	5	31	3	V	4.7	2.5	1.06	213
250051004	2012	5	31	4	V	5.4	3.1	1.03	206
250051004	2012	5	31	5	V	4.8	2.8	1.25	239
250051004	2012	5	31	6	V	5.0	4.1	1.48	261
250051004	2012	5	31	7	V	6.9	3.9	1.65	319
250051004	2012	5	31	8	V	6.1	2.7	3.8	353
250051004	2012	5	31	9	V	5.9	2.4	5.36	347
250051004	2012	5	31	10	V	5.5	2.2	3.98	359
250051004	2012	5	31	11	V	12.9	2.4	3.91	333
250051004	2012	5	31	12	V	9.5	4.7	4.2	312
250051004	2012	5	31	13	V	14.5	2.5	4.7	314
250051004	2012	5	31	14	V	12.9	2.5	4.48	319
250051004	2012	5	31	15	V	4.7	2.3	4.68	310
250051004	2012	5	31	16	V	7.8	2.3	4.63	320
250051004	2012	5	31	17	V	11.5	5.1	4.73	329
250051004	2012	5	31	18	V	9.9	3.6	4.41	330
250051004	2012	5	31	19	V	2.6	-999	4.08	326
250051004	2012	5	31	20	V	2.0	2.2	3.25	318
250051004	2012	5	31	21	V	2.3	2.3	2.54	309
250051004	2012	5	31	22	V	2.1	2.4	3.13	303
250051004	2012	5	31	23	V	2.6	2.4	3.58	315
250051004	2012	5	31	24	V	2.8	2.8	5.19	337
250051004	2012	6	1	1	V	9.1	2.1	5.85	357
250051004	2012	6	1	2	V	6.4	2.2	5.65	4
250051004	2012	6	1	3	V	9.1	2	4.43	6
250051004	2012	6	1	4	V	7.6	2	5.12	19
250051004	2012	6	1	5	V	7.4	2	4.37	26
250051004	2012	6	1	6	V	8.0	1.7	5.22	34
250051004	2012	6	1	7	V	7.8	1.8	6.3	55
250051004	2012	6	1	8	V	7.5	1.5	6.21	49
250051004	2012	6	1	9	V	7.3	1.6	5.73	59
250051004	2012	6	1	10	V	7.3	1.8	5.36	63
250051004	2012	6	1	11	V	10.5	1.8	4.85	69
250051004	2012	6	1	12	V	18.4	1.8	4.42	79

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	1	13	V	15.9	1.9	4.68	88
250051004	2012	6	1	14	V	16.9	1.8	3.8	93
250051004	2012	6	1	15	V	6.4	1.5	4.27	89
250051004	2012	6	1	16	V	6.0	1.7	5.11	113
250051004	2012	6	1	17	V	4.3	1.8	4.88	118
250051004	2012	6	1	18	V	3.6	1.9	5.04	133
250051004	2012	6	1	19	V	3.3	1.7	4.71	141
250051004	2012	6	1	20	V	3.2	1.8	5.04	143
250051004	2012	6	1	21	V	3.1	1.7	4.87	132
250051004	2012	6	1	22	V	3.0	1.6	4.7	126
250051004	2012	6	1	23	V	3.1	1.6	4.31	128
250051004	2012	6	1	24	V	6.8	1.7	5	130
250051004	2012	6	2	1	V	9.1	1.8	3.97	122
250051004	2012	6	2	2	V	6.4	1.8	5.04	110
250051004	2012	6	2	3	V	9.1	1.9	4.43	114
250051004	2012	6	2	4	V	7.6	1.9	5.24	110
250051004	2012	6	2	5	V	7.4	1.9	4.68	121
250051004	2012	6	2	6	V	8.0	1.8	6.01	108
250051004	2012	6	2	7	V	7.8	2	6.75	107
250051004	2012	6	2	8	V	7.5	2	4.07	102
250051004	2012	6	2	9	V	7.3	2.1	2.81	116
250051004	2012	6	2	10	V	7.3	1.9	5.87	134
250051004	2012	6	2	11	V	10.5	2	5.68	139
250051004	2012	6	2	12	V	18.4	2.1	5.17	139
250051004	2012	6	2	13	V	15.9	2.2	6.65	150
250051004	2012	6	2	14	V	16.9	2.2	6.99	145
250051004	2012	6	2	15	V	6.4	2.2	7.59	148
250051004	2012	6	2	16	V	6.0	2.2	7.42	158
250051004	2012	6	2	17	V	4.3	2.2	6.99	170
250051004	2012	6	2	18	V	3.6	2.1	6.11	171
250051004	2012	6	2	19	V	3.3	2.2	5.36	162
250051004	2012	6	2	20	V	3.2	2.2	4.27	158
250051004	2012	6	2	21	V	3.1	2.1	2.23	176
250051004	2012	6	2	22	V	3.0	2.3	1.6	245
250051004	2012	6	2	23	V	3.1	2	0.79	319
250051004	2012	6	2	24	V	6.8	2.1	2.59	309
250051004	2012	6	3	1	V	9.1	2.2	2.91	311
250051004	2012	6	3	2	V	6.4	2.3	2.57	322
250051004	2012	6	3	3	V	9.1	2.1	2.2	313
250051004	2012	6	3	4	V	7.6	2.4	2.66	299
250051004	2012	6	3	5	V	7.4	2.3	3.49	307
250051004	2012	6	3	6	V	8.0	2.3	3.61	308
250051004	2012	6	3	7	V	8.2	2.2	4.68	325
250051004	2012	6	3	8	V	7.7	2.3	5.39	319
250051004	2012	6	3	9	V	7.5	2.4	6.6	335
250051004	2012	6	3	10	V	7.6	2.3	6.81	329

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	3	11	V	10.8	2.5	6.14	328
250051004	2012	6	3	12	V	18.5	2.1	6.09	340
250051004	2012	6	3	13	V	15.9	2.1	6.67	357
250051004	2012	6	3	14	V	16.9	2.4	6.01	3
250051004	2012	6	3	15	V	6.4	2.4	6.06	4
250051004	2012	6	3	16	V	6.0	2.4	5.55	6
250051004	2012	6	3	17	V	4.3	2.4	6.02	34
250051004	2012	6	3	18	V	3.6	2.5	5.26	9
250051004	2012	6	3	19	V	3.3	-999	4.65	45
250051004	2012	6	3	20	V	3.2	2.2	4.27	27
250051004	2012	6	3	21	V	3.1	2.3	3.97	25
250051004	2012	6	3	22	V	3.0	2.2	5.48	21
250051004	2012	6	3	23	V	3.1	2.3	5.75	7
250051004	2012	6	3	24	V	6.8	2.5	5	5
250051004	2012	6	4	1	V	9.1	2.3	5.17	2
250051004	2012	6	4	2	V	6.4	2.5	5.62	3
250051004	2012	6	4	3	V	9.1	2.3	5.46	360
250051004	2012	6	4	4	V	7.6	-999	6.74	358
250051004	2012	6	4	5	V	7.4	-999	6.14	360
250051004	2012	6	4	6	V	8.0	2.2	5.84	349
250051004	2012	6	4	7	V	7.8	-999	5.87	355
250051004	2012	6	4	8	V	7.5	-999	5.82	356
250051004	2012	6	4	9	V	7.3	-999	6.65	11
250051004	2012	6	4	10	V	7.3	1.1	6.82	19
250051004	2012	6	4	11	V	10.5	0.8	7.57	17
250051004	2012	6	4	12	V	18.4	1.1	8.27	17
250051004	2012	6	4	13	V	15.9	1.1	7.93	18
250051004	2012	6	4	14	V	16.9	1.2	8.05	23
250051004	2012	6	4	15	V	6.4	1.2	7.28	28
250051004	2012	6	4	16	V	6.0	1.3	7.31	27
250051004	2012	6	4	17	V	4.3	1	7.76	27
250051004	2012	6	4	18	V	3.6	1	7.33	25
250051004	2012	6	4	19	V	3.3	0.9	6.86	26
250051004	2012	6	4	20	V	3.2	0.9	6.7	21
250051004	2012	6	4	21	V	3.1	0.9	5.73	7
250051004	2012	6	4	22	V	3.0	0.8	5.33	360
250051004	2012	6	4	23	V	3.1	0.8	5.99	357
250051004	2012	6	4	24	V	6.8	0.9	5.58	360
250051004	2012	6	5	1	V	9.1	1.1	4.9	360
250051004	2012	6	5	2	V	6.4	0.9	4.51	353
250051004	2012	6	5	3	V	9.1	0.9	3.83	4
250051004	2012	6	5	4	V	7.6	1	3.8	30
250051004	2012	6	5	5	V	7.4	0.8	4.08	6
250051004	2012	6	5	6	V	8.0	0.9	3.05	353
250051004	2012	6	5	7	V	7.8	0.9	4.12	354
250051004	2012	6	5	8	V	7.5	0.9	5.38	14

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	5	9	V	7.3	0.9	5.63	35
250051004	2012	6	5	10	V	7.3	0.7	4.65	17
250051004	2012	6	5	11	V	10.5	0.9	6.14	15
250051004	2012	6	5	12	V	18.4	0.8	6.23	27
250051004	2012	6	5	13	V	15.9	0.8	6.12	25
250051004	2012	6	5	14	V	16.9	0.7	5.36	26
250051004	2012	6	5	15	V	6.4	0.7	5.36	346
250051004	2012	6	5	16	V	6.0	0.7	3.86	38
250051004	2012	6	5	17	V	4.3	0.8	5.36	60
250051004	2012	6	5	18	V	3.6	0.8	2.36	26
250051004	2012	6	5	19	V	3.3	0.7	2.36	63
250051004	2012	6	5	20	V	3.2	0.7	1.76	48
250051004	2012	6	5	21	C	-999	0.7	0	0
250051004	2012	6	5	22	C	-999	0.7	0	0
250051004	2012	6	5	23	V	3.1	0.6	1.76	280
250051004	2012	6	5	24	V	6.8	0.4	2.36	289
250051004	2012	6	6	1	V	9.1	0.6	1.76	279
250051004	2012	6	6	2	C	-999	0.7	0	0
250051004	2012	6	6	3	C	-999	0.9	0	0
250051004	2012	6	6	4	C	-999	1.4	0	0
250051004	2012	6	6	5	V	7.4	1	2.36	265
250051004	2012	6	6	6	V	8.0	0.9	1.76	264
250051004	2012	6	6	7	C	-999	1.4	0	0
250051004	2012	6	6	8	C	-999	1.4	0	0
250051004	2012	6	6	9	C	-999	1.2	0	0
250051004	2012	6	6	10	C	-999	1.1	0	0
250051004	2012	6	6	11	V	10.5	0.9	4.36	137
250051004	2012	6	6	12	V	18.4	0.9	4.36	165
250051004	2012	6	6	13	V	15.9	0.9	3.36	146
250051004	2012	6	6	14	V	16.9	0.7	2.36	136
250051004	2012	6	6	15	V	6.4	0.8	3.36	213
250051004	2012	6	6	16	V	6.0	0.6	3.86	183
250051004	2012	6	6	17	V	4.3	0.5	1.76	142
250051004	2012	6	6	18	V	3.6	0.7	2.36	159
250051004	2012	6	6	19	V	3.3	-999	2.36	173
250051004	2012	6	6	20	V	3.2	0.4	2.36	166
250051004	2012	6	6	21	C	-999	0.6	0	0
250051004	2012	6	6	22	C	-999	0.5	0	0
250051004	2012	6	6	23	V	3.1	0.6	1.76	261
250051004	2012	6	6	24	C	-999	0.5	0	0
250051004	2012	6	7	1	V	9.1	0.5	1.76	260
250051004	2012	6	7	2	C	-999	0.6	0	0
250051004	2012	6	7	3	C	-999	0.6	0	0
250051004	2012	6	7	4	C	-999	0.4	0	0
250051004	2012	6	7	5	C	-999	0.5	0	0
250051004	2012	6	7	6	C	-999	0.8	0	0

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	7	7	C	-999	0.8	0	0
250051004	2012	6	7	8	C	-999	0.9	0	0
250051004	2012	6	7	9	C	-999	0.7	0	0
250051004	2012	6	7	10	C	-999	0.8	0	0
250051004	2012	6	7	11	C	-999	0.8	0	0
250051004	2012	6	7	12	V	18.4	0.7	3.86	116
250051004	2012	6	7	13	V	15.9	0.7	5.96	63
250051004	2012	6	7	14	V	16.9	2.3	4.86	138
250051004	2012	6	7	15	V	6.4	1.4	3.86	183
250051004	2012	6	7	16	M	-999	0.7	2.86	999
250051004	2012	6	7	17	C	-999	0.8	0	0
250051004	2012	6	7	18	V	3.6	0.7	2.36	154
250051004	2012	6	7	19	V	3.3	0.7	1.76	143
250051004	2012	6	7	20	V	3.2	0.6	1.76	218
250051004	2012	6	7	21	C	-999	0.5	0	0
250051004	2012	6	7	22	C	-999	0.6	0	0
250051004	2012	6	7	23	C	-999	0.6	0	0
250051004	2012	6	7	24	C	-999	0.5	0	0
250051004	2012	6	8	1	C	-999	0.6	0	0
250051004	2012	6	8	2	V	6.4	0.6	1.76	10
250051004	2012	6	8	3	C	-999	1	0	0
250051004	2012	6	8	4	C	-999	0.7	0	0
250051004	2012	6	8	5	C	-999	0.6	0	0
250051004	2012	6	8	6	C	-999	0.7	0	0
250051004	2012	6	8	7	C	-999	0.6	0	0
250051004	2012	6	8	8	V	7.5	1.2	1.76	231
250051004	2012	6	8	9	V	7.3	1	1.76	136
250051004	2012	6	8	10	M	-999	0.7	2.36	999
250051004	2012	6	8	11	V	10.5	1.4	4.86	159
250051004	2012	6	8	12	V	18.4	3.1	6.46	151
250051004	2012	6	8	13	V	15.9	2.9	7.46	165
250051004	2012	6	8	14	V	16.9	6.9	6.96	154
250051004	2012	6	8	15	V	6.4	1.3	6.46	180
250051004	2012	6	8	16	V	6.0	1.2	5.36	231
250051004	2012	6	8	17	V	4.3	1.1	5.96	209
250051004	2012	6	8	18	V	3.6	1	4.36	223
250051004	2012	6	8	19	V	3.3	1.2	3.86	219
250051004	2012	6	8	20	V	3.2	1.3	4.86	224
250051004	2012	6	8	21	V	3.1	1.1	4.86	236
250051004	2012	6	8	22	V	3.0	1.1	3.36	238
250051004	2012	6	8	23	V	3.1	1	2.86	274
250051004	2012	6	8	24	V	6.8	1.1	2.86	247
250051004	2012	6	9	1	V	9.1	1	4.36	336
250051004	2012	6	9	2	V	6.4	1	2.36	280
250051004	2012	6	9	3	V	9.1	1.1	2.36	310
250051004	2012	6	9	4	V	7.6	1	1.76	267

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	9	5	V	7.4	0.9	3.36	270
250051004	2012	6	9	6	V	8.0	1.4	2.86	301
250051004	2012	6	9	7	V	7.8	1.1	4.36	330
250051004	2012	6	9	8	V	7.5	0.7	3.86	335
250051004	2012	6	9	9	V	7.3	0.4	2.86	338
250051004	2012	6	9	10	C	-999	0.8	0	0
250051004	2012	6	9	11	C	-999	0.9	0	0
250051004	2012	6	9	12	V	18.4	0.9	2.86	240
250051004	2012	6	9	13	V	15.9	0.9	2.86	292
250051004	2012	6	9	14	V	16.9	1.2	2.86	277
250051004	2012	6	9	15	V	6.4	0.9	2.86	251
250051004	2012	6	9	16	V	6.0	0.9	2.36	309
250051004	2012	6	9	17	V	4.3	0.9	4.36	161
250051004	2012	6	9	18	V	3.6	1	2.36	159
250051004	2012	6	9	19	V	3.3	-999	3.86	146
250051004	2012	6	9	20	V	3.2	0.9	1.76	195
250051004	2012	6	9	21	C	-999	1	0	0
250051004	2012	6	9	22	V	3.0	1	2.36	250
250051004	2012	6	9	23	V	3.1	0.9	2.36	262
250051004	2012	6	9	24	V	6.8	0.9	3.36	270
250051004	2012	6	10	1	V	9.1	0.7	1.76	284
250051004	2012	6	10	2	C	-999	0.9	0	0
250051004	2012	6	10	3	C	-999	1.2	0	0
250051004	2012	6	10	4	C	-999	0.9	0	0
250051004	2012	6	10	5	C	-999	0.9	0	0
250051004	2012	6	10	6	V	8.0	0.7	2.86	351
250051004	2012	6	10	7	V	7.8	1	2.36	26
250051004	2012	6	10	8	M	-999	0.7	2.36	999
250051004	2012	6	10	9	C	-999	0.6	0	0
250051004	2012	6	10	10	V	7.3	0.6	2.86	68
250051004	2012	6	10	11	V	10.5	0.6	3.86	86
250051004	2012	6	10	12	V	18.4	0.6	1.76	153
250051004	2012	6	10	13	V	15.9	0.6	4.86	149
250051004	2012	6	10	14	V	16.9	0.7	5.96	172
250051004	2012	6	10	15	V	6.4	0.6	6.46	148
250051004	2012	6	10	16	V	6.0	0.7	6.46	180
250051004	2012	6	10	17	V	4.3	0.6	5.96	182
250051004	2012	6	10	18	V	3.6	0.5	4.36	182
250051004	2012	6	10	19	V	3.3	0.5	5.36	181
250051004	2012	6	10	20	V	3.2	0.5	2.36	169
250051004	2012	6	10	21	V	3.1	0.3	3.86	148
250051004	2012	6	10	22	V	3.0	0.3	2.36	140
250051004	2012	6	10	23	C	-999	0.1	0	0
250051004	2012	6	10	24	V	6.8	0.3	1.76	140
250051004	2012	6	11	1	C	-999	0.3	0	0
250051004	2012	6	11	2	V	6.4	0.2	1.76	118

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	11	3	C	-999	1.1	0	0
250051004	2012	6	11	4	C	-999	0.5	0	0
250051004	2012	6	11	5	C	-999	0.1	0	0
250051004	2012	6	11	6	C	-999	0.1	0	0
250051004	2012	6	11	7	V	7.8	0.3	3.36	138
250051004	2012	6	11	8	V	7.5	0.1	2.65	185
250051004	2012	6	11	9	V	7.3	0	3.61	156
250051004	2012	6	11	10	V	7.3	0.2	4.03	159
250051004	2012	6	11	11	V	10.5	0.1	5.44	167
250051004	2012	6	11	12	V	18.4	0.6	5.92	171
250051004	2012	6	11	13	V	15.9	-999	5.73	154
250051004	2012	6	11	14	V	16.9	0.4	5.94	150
250051004	2012	6	11	15	V	6.4	0.3	5.75	149
250051004	2012	6	11	16	V	6.0	0.2	6.19	149
250051004	2012	6	11	17	V	4.3	0.4	5.73	164
250051004	2012	6	11	18	V	3.6	0.4	4.85	173
250051004	2012	6	11	19	V	3.3	0.3	3.98	162
250051004	2012	6	11	20	V	3.2	0.3	3.07	174
250051004	2012	6	11	21	V	3.1	0.2	2.83	191
250051004	2012	6	11	22	V	3.0	0.4	2.28	186
250051004	2012	6	11	23	V	3.1	0.5	2.04	203
250051004	2012	6	11	24	V	6.8	0.6	2.25	210
250051004	2012	6	12	1	V	9.1	0.4	3.15	197
250051004	2012	6	12	2	V	6.4	0.5	2.88	185
250051004	2012	6	12	3	V	9.1	0.5	2.84	176
250051004	2012	6	12	4	V	7.6	0.6	2.95	184
250051004	2012	6	12	5	V	7.4	0.6	3.75	174
250051004	2012	6	12	6	V	8.0	0.7	4.17	181
250051004	2012	6	12	7	V	7.8	0.6	4.36	167
250051004	2012	6	12	8	V	7.5	3	5.05	157
250051004	2012	6	12	9	V	7.3	3.1	5.58	159
250051004	2012	6	12	10	V	7.3	4	5.46	160
250051004	2012	6	12	11	V	10.5	3.6	5.5	163
250051004	2012	6	12	12	V	18.4	2	6.3	159
250051004	2012	6	12	13	V	15.9	5.6	6.31	158
250051004	2012	6	12	14	V	16.9	2.8	5.77	157
250051004	2012	6	12	15	V	6.4	0.9	6.13	154
250051004	2012	6	12	16	V	6.0	0.9	6.4	158
250051004	2012	6	12	17	V	4.3	0.8	5.67	166
250051004	2012	6	12	18	V	3.6	0.9	4.85	168
250051004	2012	6	12	19	V	3.3	-999	4.48	169
250051004	2012	6	12	20	V	3.2	0.5	4.8	175
250051004	2012	6	12	21	V	3.1	0.7	4.54	177
250051004	2012	6	12	22	V	3.0	0.8	4.31	174
250051004	2012	6	12	23	V	3.1	0.8	4.48	176
250051004	2012	6	12	24	V	6.8	0.9	4.22	175

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	13	1	V	9.1	0.8	3.8	175
250051004	2012	6	13	2	V	6.4	0.9	3.4	174
250051004	2012	6	13	3	V	9.1	0.8	3.71	174
250051004	2012	6	13	4	V	7.6	0.8	3.39	175
250051004	2012	6	13	5	V	7.4	0.7	3.46	180
250051004	2012	6	13	6	V	8.0	1	3.4	181
250051004	2012	6	13	7	V	7.8	1	4.29	169
250051004	2012	6	13	8	V	7.5	0.9	4.66	171
250051004	2012	6	13	9	V	7.3	0.9	3.15	167
250051004	2012	6	13	10	V	7.3	1	3.46	173
250051004	2012	6	13	11	V	10.5	4.5	3.3	168
250051004	2012	6	13	12	V	18.4	1.6	3.98	169
250051004	2012	6	13	13	V	15.9	0.9	3.37	153
250051004	2012	6	13	14	V	16.9	0.9	3.22	160
250051004	2012	6	13	15	V	6.4	0.8	3.13	161
250051004	2012	6	13	16	V	6.0	0.7	3.2	160
250051004	2012	6	13	17	V	4.3	0.7	3.12	159
250051004	2012	6	13	18	V	3.6	0.7	3.2	163
250051004	2012	6	13	19	V	3.3	0.7	3.08	164
250051004	2012	6	13	20	V	3.2	0.2	2.57	171
250051004	2012	6	13	21	V	3.1	0.8	2.62	180
250051004	2012	6	13	22	V	3.0	0.6	2.62	178
250051004	2012	6	13	23	V	3.1	0.6	2.1	179
250051004	2012	6	13	24	V	6.8	0.7	1.37	151
250051004	2012	6	14	1	V	9.1	0.7	1.65	153
250051004	2012	6	14	2	V	6.4	0.7	1.11	201
250051004	2012	6	14	3	V	9.1	0.8	0.87	300
250051004	2012	6	14	4	V	7.6	0.7	1.5	345
250051004	2012	6	14	5	V	7.4	0.7	4.73	30
250051004	2012	6	14	6	V	8.0	0.7	4.9	32
250051004	2012	6	14	7	V	7.8	0.5	5.39	27
250051004	2012	6	14	8	V	7.5	0.6	7.5	34
250051004	2012	6	14	9	V	7.3	0.7	6.69	34
250051004	2012	6	14	10	V	7.3	0.3	6.53	32
250051004	2012	6	14	11	V	10.5	0.7	6.64	41
250051004	2012	6	14	12	V	18.4	0.7	6.63	44
250051004	2012	6	14	13	V	15.9	0.6	7.21	36
250051004	2012	6	14	14	V	16.9	0.6	6.04	38
250051004	2012	6	14	15	V	6.4	0.7	6.29	42
250051004	2012	6	14	16	V	6.0	0.7	5.72	51
250051004	2012	6	14	17	V	4.3	0.7	4.97	60
250051004	2012	6	14	18	V	3.6	0.6	3.52	75
250051004	2012	6	14	19	V	3.3	0.5	3.22	74
250051004	2012	6	14	20	V	3.2	1.6	2.45	65
250051004	2012	6	14	21	V	3.1	1.9	0.6	85
250051004	2012	6	14	22	V	3.0	3	1.33	320

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	14	23	V	3.1	1.2	1.13	292
250051004	2012	6	14	24	V	6.8	0.9	1.04	308
250051004	2012	6	15	1	V	9.1	0.6	1.13	294
250051004	2012	6	15	2	V	6.4	0.6	1.06	263
250051004	2012	6	15	3	V	9.1	0.8	1.91	334
250051004	2012	6	15	4	V	7.6	0.9	3.76	345
250051004	2012	6	15	5	V	7.4	0.7	3.71	343
250051004	2012	6	15	6	V	8.0	0.9	4.03	353
250051004	2012	6	15	7	V	7.8	0.6	4.48	11
250051004	2012	6	15	8	V	7.5	1	5.51	17
250051004	2012	6	15	9	V	7.3	0.7	5.73	15
250051004	2012	6	15	10	V	7.3	0.6	6.81	23
250051004	2012	6	15	11	V	10.5	0.7	6.69	29
250051004	2012	6	15	12	V	18.4	0.6	6.6	46
250051004	2012	6	15	13	V	15.9	0.6	7.03	45
250051004	2012	6	15	14	V	16.9	0.5	6.77	44
250051004	2012	6	15	15	V	6.4	0.6	6.28	51
250051004	2012	6	15	16	V	6.0	0.5	6.43	49
250051004	2012	6	15	17	V	4.3	0.6	6.01	52
250051004	2012	6	15	18	V	3.6	0.5	5.21	52
250051004	2012	6	15	19	V	3.3	-999	4.63	56
250051004	2012	6	15	20	V	3.2	0.4	2.66	45
250051004	2012	6	15	21	V	3.1	0.7	2.04	33
250051004	2012	6	15	22	V	3.0	0.7	1.69	329
250051004	2012	6	15	23	V	3.1	0.7	1.35	283
250051004	2012	6	15	24	V	6.8	0.8	1.25	263
250051004	2012	6	16	1	V	9.1	0.6	1.2	288
250051004	2012	6	16	2	V	6.4	0.6	1.3	290
250051004	2012	6	16	3	V	9.1	0.7	1.08	277
250051004	2012	6	16	4	V	7.6	0.8	1.76	353
250051004	2012	6	16	5	V	7.4	0.8	3.63	354
250051004	2012	6	16	6	V	8.0	0.9	4.75	352
250051004	2012	6	16	7	V	7.8	0.6	4.7	8
250051004	2012	6	16	8	V	7.5	0.7	5.92	30
250051004	2012	6	16	9	V	7.3	0.7	6.09	39
250051004	2012	6	16	10	V	7.3	0.5	6.28	44
250051004	2012	6	16	11	V	10.5	0.4	5.33	46
250051004	2012	6	16	12	V	18.4	0.6	6.38	45
250051004	2012	6	16	13	V	15.9	0.6	5.92	46
250051004	2012	6	16	14	V	16.9	0.6	5.9	39
250051004	2012	6	16	15	V	6.4	0.5	5.46	47
250051004	2012	6	16	16	V	6.0	0.6	5.31	36
250051004	2012	6	16	17	V	4.3	0.5	5.33	57
250051004	2012	6	16	18	V	3.6	0.6	5.8	45
250051004	2012	6	16	19	V	3.3	0.6	5.55	42
250051004	2012	6	16	20	V	3.2	0.7	4.87	49

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	16	21	V	3.1	0.5	4.75	56
250051004	2012	6	16	22	V	3.0	0.5	4.63	59
250051004	2012	6	16	23	V	3.1	0.5	4.1	52
250051004	2012	6	16	24	V	6.8	0.5	3.35	48
250051004	2012	6	17	1	V	9.1	0.5	3	42
250051004	2012	6	17	2	V	6.4	0.5	3.41	59
250051004	2012	6	17	3	V	9.1	0.8	3.12	50
250051004	2012	6	17	4	V	7.6	0.6	3.34	42
250051004	2012	6	17	5	V	7.4	1.1	3.18	50
250051004	2012	6	17	6	V	8.0	1.2	3.44	47
250051004	2012	6	17	7	V	7.8	0.9	3.37	51
250051004	2012	6	17	8	V	7.5	0.7	2.79	60
250051004	2012	6	17	9	V	7.3	0.5	2.71	48
250051004	2012	6	17	10	V	7.3	0.5	2.96	70
250051004	2012	6	17	11	V	10.5	0.6	3.01	82
250051004	2012	6	17	12	V	18.4	0.5	2.4	69
250051004	2012	6	17	13	V	15.9	0.5	3	114
250051004	2012	6	17	14	V	16.9	0.5	3.57	120
250051004	2012	6	17	15	V	6.4	0.6	4.65	156
250051004	2012	6	17	16	V	6.0	0.7	5.29	170
250051004	2012	6	17	17	V	4.3	0.7	5.26	169
250051004	2012	6	17	18	V	3.6	0.7	4.97	168
250051004	2012	6	17	19	V	3.3	0.9	4.53	167
250051004	2012	6	17	20	V	3.2	0.8	3.23	157
250051004	2012	6	17	21	V	3.1	0.6	2.52	144
250051004	2012	6	17	22	V	3.0	0.6	3.59	91
250051004	2012	6	17	23	V	3.1	0.6	2.2	77
250051004	2012	6	17	24	V	6.8	0.7	2.1	89
250051004	2012	6	18	1	V	9.1	0.6	2.1	41
250051004	2012	6	18	2	V	6.4	0.6	2.05	27
250051004	2012	6	18	3	V	9.1	0.3	1.6	43
250051004	2012	6	18	4	V	7.6	-999	2.13	41
250051004	2012	6	18	5	V	7.4	-999	2.11	17
250051004	2012	6	18	6	V	8.0	0.7	2.27	32
250051004	2012	6	18	7	V	7.8	1.4	2.69	46
250051004	2012	6	18	8	V	7.5	0.8	3.08	67
250051004	2012	6	18	9	V	7.3	0.8	2.45	67
250051004	2012	6	18	10	V	7.3	1	2.66	90
250051004	2012	6	18	11	V	10.5	1	2.33	105
250051004	2012	6	18	12	V	18.4	0.8	3.32	167
250051004	2012	6	18	13	V	15.9	1.6	4.02	149
250051004	2012	6	18	14	V	16.9	0.8	5.04	148
250051004	2012	6	18	15	V	6.4	0.8	5.28	155
250051004	2012	6	18	16	V	6.0	0.7	5.67	159
250051004	2012	6	18	17	V	4.3	0.7	6.14	160
250051004	2012	6	18	18	V	3.6	0.3	5.65	159

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	18	19	V	3.3	-999	4.68	161
250051004	2012	6	18	20	V	3.2	0.7	4.31	178
250051004	2012	6	18	21	V	3.1	0.6	3.68	202
250051004	2012	6	18	22	V	3.0	0.7	2.13	179
250051004	2012	6	18	23	V	3.1	0.8	2.11	212
250051004	2012	6	18	24	V	6.8	0.7	2.13	240
250051004	2012	6	19	1	V	9.1	0.6	1.47	213
250051004	2012	6	19	2	V	6.4	0.5	1.18	212
250051004	2012	6	19	3	V	9.1	0.7	0.99	210
250051004	2012	6	19	4	V	7.6	2.9	2.01	201
250051004	2012	6	19	5	V	7.4	1.7	2.1	217
250051004	2012	6	19	6	V	8.0	1.9	1.99	200
250051004	2012	6	19	7	V	7.9	1.3	3.07	206
250051004	2012	6	19	8	V	7.5	1.4	3.61	202
250051004	2012	6	19	9	V	7.3	2	3.52	224
250051004	2012	6	19	10	V	7.3	3.7	3.68	202
250051004	2012	6	19	11	V	10.5	4.4	4.03	202
250051004	2012	6	19	12	V	18.4	-999	4.36	198
250051004	2012	6	19	13	V	15.9	-999	5.34	188
250051004	2012	6	19	14	V	17.0	-999	5.5	195
250051004	2012	6	19	15	V	6.4	0	5.05	218
250051004	2012	6	19	16	V	6.0	0.6	4.27	223
250051004	2012	6	19	17	V	4.4	0.7	4.54	224
250051004	2012	6	19	18	V	3.6	0.7	4.48	226
250051004	2012	6	19	19	V	3.3	0.8	4.02	205
250051004	2012	6	19	20	V	3.2	0.8	3.78	189
250051004	2012	6	19	21	V	3.1	0.6	3.98	201
250051004	2012	6	19	22	V	3.0	0.6	3.12	196
250051004	2012	6	19	23	V	3.1	0.6	2.88	187
250051004	2012	6	19	24	V	6.8	0.7	2.98	191
250051004	2012	6	20	1	V	9.1	0.7	2.78	204
250051004	2012	6	20	2	V	6.4	0.8	2.73	218
250051004	2012	6	20	3	V	9.1	1.8	2.93	207
250051004	2012	6	20	4	V	7.6	3.4	2.25	187
250051004	2012	6	20	5	V	7.4	1.2	2.04	180
250051004	2012	6	20	6	V	8.6	1.4	1.81	208
250051004	2012	6	20	7	V	8.5	1.7	2.15	230
250051004	2012	6	20	8	V	8.0	1.5	2.64	248
250051004	2012	6	20	9	V	7.4	1.3	3.3	261
250051004	2012	6	20	10	V	7.4	1.4	3.81	277
250051004	2012	6	20	11	V	10.6	1.7	4.1	281
250051004	2012	6	20	12	V	18.5	1.6	3.78	286
250051004	2012	6	20	13	V	16.0	1.8	4.17	281
250051004	2012	6	20	14	V	17.0	1.7	4.36	268
250051004	2012	6	20	15	V	6.5	1.5	5.41	277
250051004	2012	6	20	16	V	6.1	1.4	4.85	271

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	20	17	V	4.4	1.6	4.48	272
250051004	2012	6	20	18	V	3.7	2	4.75	268
250051004	2012	6	20	19	V	3.3	2.2	3.68	266
250051004	2012	6	20	20	V	3.2	1.9	2.79	260
250051004	2012	6	20	21	V	3.1	1.7	2.9	263
250051004	2012	6	20	22	V	3.0	1.6	3	266
250051004	2012	6	20	23	V	3.1	1.7	3.3	277
250051004	2012	6	20	24	V	6.8	1.9	3.08	289
250051004	2012	6	21	1	V	9.1	2.3	3.2	301
250051004	2012	6	21	2	V	6.4	1.6	2.88	298
250051004	2012	6	21	3	V	9.1	1.6	2.59	267
250051004	2012	6	21	4	V	7.6	2	2.93	253
250051004	2012	6	21	5	V	7.4	1.9	2.78	256
250051004	2012	6	21	6	V	8.0	1.7	3.01	264
250051004	2012	6	21	7	V	7.9	2.2	4.24	277
250051004	2012	6	21	8	V	7.5	2.2	4.26	287
250051004	2012	6	21	9	V	7.4	2	4.66	292
250051004	2012	6	21	10	V	7.4	2.1	4.71	290
250051004	2012	6	21	11	V	10.6	2	4.54	284
250051004	2012	6	21	12	V	22.9	2.1	3.95	311
250051004	2012	6	21	13	V	24.9	1.7	4.94	319
250051004	2012	6	21	14	V	26.0	1.8	4.75	336
250051004	2012	6	21	15	V	17.5	1.8	4.02	327
250051004	2012	6	21	16	V	8.7	1.8	3.17	305
250051004	2012	6	21	17	V	5.3	2.5	2.98	298
250051004	2012	6	21	18	V	3.7	1.8	3.25	266
250051004	2012	6	21	19	V	3.3	-999	2.78	237
250051004	2012	6	21	20	V	3.2	1.8	2.95	226
250051004	2012	6	21	21	V	3.1	1.9	3.46	255
250051004	2012	6	21	22	V	3.0	2.3	3	264
250051004	2012	6	21	23	V	3.1	2.3	2.84	258
250051004	2012	6	21	24	V	6.8	2.3	3.13	261
250051004	2012	6	22	1	V	9.1	2.1	2.88	265
250051004	2012	6	22	2	V	6.4	2.2	2.54	258
250051004	2012	6	22	3	V	9.1	2.3	2.23	267
250051004	2012	6	22	4	V	7.6	2.3	1.64	268
250051004	2012	6	22	5	V	7.4	2.3	0.96	310
250051004	2012	6	22	6	V	8.0	2.6	1.23	263
250051004	2012	6	22	7	V	7.8	2.5	1.65	275
250051004	2012	6	22	8	V	28.3	2.4	1.42	310
250051004	2012	6	22	9	V	12.2	2.5	4.1	340
250051004	2012	6	22	10	V	11.4	2.3	3.54	314
250051004	2012	6	22	11	V	11.3	2.2	3.56	306
250051004	2012	6	22	12	V	18.5	2.4	3.8	298
250051004	2012	6	22	13	V	16.0	2.5	3.98	274
250051004	2012	6	22	14	V	17.1	2.5	2.89	289

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	22	15	V	6.5	2.2	2.88	248
250051004	2012	6	22	16	V	6.0	2.2	4.39	152
250051004	2012	6	22	17	V	4.3	2.3	7.16	238
250051004	2012	6	22	18	V	3.6	1.5	6.09	274
250051004	2012	6	22	19	V	3.3	1.4	2.57	264
250051004	2012	6	22	20	V	3.2	1.3	2.4	271
250051004	2012	6	22	21	V	3.1	1.2	1.79	294
250051004	2012	6	22	22	V	3.0	1.9	1.6	283
250051004	2012	6	22	23	V	3.1	1.7	1.67	271
250051004	2012	6	22	24	V	6.8	1.8	1.91	222
250051004	2012	6	23	1	V	9.1	1.4	1.13	191
250051004	2012	6	23	2	V	6.4	1.4	1.57	228
250051004	2012	6	23	3	V	9.1	1.3	2.06	228
250051004	2012	6	23	4	V	7.6	1.4	2.49	217
250051004	2012	6	23	5	V	7.4	1.3	4.75	284
250051004	2012	6	23	6	V	8.2	1.5	4.68	314
250051004	2012	6	23	7	V	8.3	1.4	4.76	338
250051004	2012	6	23	8	V	7.5	1.3	4.44	351
250051004	2012	6	23	9	V	8.3	1.4	2.52	343
250051004	2012	6	23	10	V	7.9	1.9	1.3	280
250051004	2012	6	23	11	V	10.8	2.8	1.99	276
250051004	2012	6	23	12	V	18.6	1.5	2.25	253
250051004	2012	6	23	13	V	16.0	1.6	3.1	229
250051004	2012	6	23	14	V	17.0	1.8	5.36	147
250051004	2012	6	23	15	V	6.4	1.6	5.17	151
250051004	2012	6	23	16	V	6.0	1.4	4.95	244
250051004	2012	6	23	17	V	4.3	1.5	6.8	274
250051004	2012	6	23	18	V	10.0	2.3	7.2	328
250051004	2012	6	23	19	V	3.3	2	4.36	4
250051004	2012	6	23	20	V	3.2	1.3	3.78	320
250051004	2012	6	23	21	V	3.1	1.2	2.95	297
250051004	2012	6	23	22	V	3.0	1.4	3.07	297
250051004	2012	6	23	23	V	3.1	1.3	2.47	289
250051004	2012	6	23	24	V	6.8	1.4	2.04	286
250051004	2012	6	24	1	V	9.1	1.3	2.18	280
250051004	2012	6	24	2	V	6.4	1.3	1.88	262
250051004	2012	6	24	3	V	9.1	1.7	2.18	233
250051004	2012	6	24	4	V	7.6	1.5	2.08	242
250051004	2012	6	24	5	V	7.4	1.5	2.78	266
250051004	2012	6	24	6	V	8.0	1.3	3.2	291
250051004	2012	6	24	7	V	7.8	1.7	3.8	299
250051004	2012	6	24	8	V	7.6	1.3	3.13	300
250051004	2012	6	24	9	V	12.7	3.8	3.9	328
250051004	2012	6	24	10	V	12.2	6.7	4.17	332
250051004	2012	6	24	11	V	14.7	3.9	4.68	329
250051004	2012	6	24	12	V	18.4	1.9	4.24	295

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	24	13	V	16.0	1.3	3.98	290
250051004	2012	6	24	14	V	17.0	1.4	3.27	267
250051004	2012	6	24	15	V	6.5	1.3	3.35	276
250051004	2012	6	24	16	V	6.0	1.3	4.2	281
250051004	2012	6	24	17	V	4.3	1.4	5.55	247
250051004	2012	6	24	18	V	3.6	1.4	5.79	240
250051004	2012	6	24	19	V	3.3	-999	4.49	236
250051004	2012	6	24	20	V	3.2	1.3	4.1	239
250051004	2012	6	24	21	V	3.1	1.3	4.34	245
250051004	2012	6	24	22	V	3.0	1.4	4.56	248
250051004	2012	6	24	23	V	3.1	1.5	4.05	244
250051004	2012	6	24	24	V	6.8	1.3	3.63	239
250051004	2012	6	25	1	V	9.1	1.4	3.4	232
250051004	2012	6	25	2	V	6.4	1.6	3.05	249
250051004	2012	6	25	3	V	9.1	1.4	2.88	176
250051004	2012	6	25	4	V	7.6	2.2	2.73	180
250051004	2012	6	25	5	V	7.4	2.4	2.57	172
250051004	2012	6	25	6	V	8.0	1.9	2.69	185
250051004	2012	6	25	7	V	7.8	1.7	2.79	168
250051004	2012	6	25	8	V	7.5	1.7	3.56	158
250051004	2012	6	25	9	V	7.4	1.8	2.71	230
250051004	2012	6	25	10	V	7.4	1.7	2.37	195
250051004	2012	6	25	11	V	10.5	2	3.3	202
250051004	2012	6	25	12	V	18.4	1.7	2.74	130
250051004	2012	6	25	13	V	15.9	2	4.31	179
250051004	2012	6	25	14	V	16.9	2.3	4.82	175
250051004	2012	6	25	15	V	6.4	1.4	5.85	192
250051004	2012	6	25	16	V	6.0	1.5	5.12	227
250051004	2012	6	25	17	V	4.4	1.6	4.19	222
250051004	2012	6	25	18	V	3.6	1.6	3.56	181
250051004	2012	6	25	19	V	3.3	1.4	3.61	179
250051004	2012	6	25	20	V	3.2	1.4	3.3	192
250051004	2012	6	25	21	V	3.1	1.6	2.64	212
250051004	2012	6	25	22	V	3.0	1.6	2.76	255
250051004	2012	6	25	23	V	3.1	1.6	2.54	263
250051004	2012	6	25	24	V	6.8	1.7	2.61	278
250051004	2012	6	26	1	V	9.1	2	2.59	299
250051004	2012	6	26	2	V	6.4	1.7	2.52	326
250051004	2012	6	26	3	V	9.1	2.2	3.3	315
250051004	2012	6	26	4	V	7.6	2.4	3.63	312
250051004	2012	6	26	5	V	7.4	3.2	3.15	320
250051004	2012	6	26	6	V	8.3	2.5	4.36	315
250051004	2012	6	26	7	V	7.9	2	4.39	306
250051004	2012	6	26	8	V	7.9	1.9	4.92	311
250051004	2012	6	26	9	V	7.8	2.3	4.68	312
250051004	2012	6	26	10	V	7.7	2	4.02	309

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	26	11	V	11.9	2.2	4.94	314
250051004	2012	6	26	12	V	18.8	2	4.99	308
250051004	2012	6	26	13	V	15.9	1.8	6.06	301
250051004	2012	6	26	14	V	16.9	1.9	6.48	300
250051004	2012	6	26	15	V	6.4	1.7	7.72	293
250051004	2012	6	26	16	V	7.3	1.6	7.81	313
250051004	2012	6	26	17	V	5.6	1.6	7.11	314
250051004	2012	6	26	18	V	3.6	1.6	5.45	302
250051004	2012	6	26	19	V	3.3	1.5	3.61	296
250051004	2012	6	26	20	V	3.2	1.4	4.88	293
250051004	2012	6	26	21	V	3.1	1.9	4.24	274
250051004	2012	6	26	22	V	3.0	1.6	3.97	268
250051004	2012	6	26	23	V	3.1	1.3	4.37	272
250051004	2012	6	26	24	V	6.8	1.6	4.1	261
250051004	2012	6	27	1	V	9.1	1.7	4.02	260
250051004	2012	6	27	2	V	6.4	1.7	3.35	254
250051004	2012	6	27	3	V	9.1	1.8	3.18	250
250051004	2012	6	27	4	V	7.6	1.7	3.73	251
250051004	2012	6	27	5	V	7.4	1.3	2.73	225
250051004	2012	6	27	6	V	8.0	1.6	3.44	246
250051004	2012	6	27	7	V	7.8	1.2	5.45	267
250051004	2012	6	27	8	V	7.5	1.8	5.58	276
250051004	2012	6	27	9	V	7.3	1.7	5.5	279
250051004	2012	6	27	10	V	7.3	1.7	6.33	288
250051004	2012	6	27	11	V	10.5	1.9	7.38	285
250051004	2012	6	27	12	V	18.4	1.7	6.82	291
250051004	2012	6	27	13	V	15.9	1.7	6.94	283
250051004	2012	6	27	14	V	17.0	1.7	6.8	292
250051004	2012	6	27	15	V	6.4	1.6	6.5	279
250051004	2012	6	27	16	V	6.0	1.8	6.55	283
250051004	2012	6	27	17	V	4.3	1.6	5.11	285
250051004	2012	6	27	18	V	3.6	1.7	4.07	297
250051004	2012	6	27	19	V	3.3	-999	3.22	305
250051004	2012	6	27	20	V	3.2	4.3	2.44	291
250051004	2012	6	27	21	V	3.1	1.6	1.94	282
250051004	2012	6	27	22	V	3.0	1.5	1.79	275
250051004	2012	6	27	23	V	3.1	1.6	1.65	275
250051004	2012	6	27	24	V	6.8	1.6	1.98	249
250051004	2012	6	28	1	V	9.1	1.6	3.12	263
250051004	2012	6	28	2	V	6.4	1.7	3.46	269
250051004	2012	6	28	3	V	9.1	1.9	3.4	267
250051004	2012	6	28	4	V	7.6	2	3.35	280
250051004	2012	6	28	5	V	7.4	2.1	2.76	275
250051004	2012	6	28	6	V	8.0	2.2	3.66	266
250051004	2012	6	28	7	V	7.8	2.3	3.61	264
250051004	2012	6	28	8	V	7.5	2.2	3.54	289

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	28	9	V	7.3	1.8	3.95	297
250051004	2012	6	28	10	V	7.3	2.2	4	300
250051004	2012	6	28	11	V	10.5	2.1	5.51	280
250051004	2012	6	28	12	V	18.4	1.8	5.27	286
250051004	2012	6	28	13	V	15.9	1.6	5.51	297
250051004	2012	6	28	14	V	17.0	1.8	5.07	291
250051004	2012	6	28	15	V	6.5	1.8	4.68	272
250051004	2012	6	28	16	V	6.1	1.8	4.78	278
250051004	2012	6	28	17	V	4.4	1.6	4.82	262
250051004	2012	6	28	18	V	3.7	1.9	5.19	230
250051004	2012	6	28	19	V	3.3	1.9	4.9	206
250051004	2012	6	28	20	V	3.2	1.8	3.8	207
250051004	2012	6	28	21	V	3.1	2.4	3.78	212
250051004	2012	6	28	22	V	3.0	2.2	2.55	212
250051004	2012	6	28	23	V	3.1	2	2.06	186
250051004	2012	6	28	24	V	6.8	1.8	1.64	155
250051004	2012	6	29	1	V	9.1	1.7	1.93	184
250051004	2012	6	29	2	V	6.4	2.3	1.93	179
250051004	2012	6	29	3	V	9.1	3.3	1.52	180
250051004	2012	6	29	4	V	7.6	5.6	1.25	158
250051004	2012	6	29	5	V	7.4	2.2	1.62	188
250051004	2012	6	29	6	V	8.0	2.5	2.35	184
250051004	2012	6	29	7	V	7.8	3.4	2.91	181
250051004	2012	6	29	8	V	7.7	5.1	1.6	207
250051004	2012	6	29	9	V	7.8	2.6	1.54	240
250051004	2012	6	29	10	V	7.6	3.9	2.03	53
250051004	2012	6	29	11	V	11.3	2.8	1.89	126
250051004	2012	6	29	12	V	19.3	9.8	2.3	174
250051004	2012	6	29	13	V	16.0	6.6	5.1	160
250051004	2012	6	29	14	V	17.0	3	7.23	153
250051004	2012	6	29	15	V	6.5	3	6.11	153
250051004	2012	6	29	16	V	6.2	2.7	5.41	153
250051004	2012	6	29	17	V	4.5	2.5	5.07	195
250051004	2012	6	29	18	V	3.7	2.5	4.51	210
250051004	2012	6	29	19	V	3.3	2.6	3.37	204
250051004	2012	6	29	20	V	3.2	2.7	2.81	209
250051004	2012	6	29	21	V	3.1	2.4	3.97	267
250051004	2012	6	29	22	V	3.0	2.2	1.37	264
250051004	2012	6	29	23	V	3.1	2.5	1.91	289
250051004	2012	6	29	24	V	6.8	2.5	1.38	298
250051004	2012	6	30	1	V	9.1	3.9	1.69	255
250051004	2012	6	30	2	V	6.4	2	2.22	247
250051004	2012	6	30	3	V	9.1	2.5	2.47	272
250051004	2012	6	30	4	V	7.6	2	2.81	255
250051004	2012	6	30	5	V	7.4	1.8	3.27	251
250051004	2012	6	30	6	V	8.0	2	4.41	258

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	6	30	7	V	7.8	1.8	4.27	259
250051004	2012	6	30	8	V	7.5	1.8	4.41	266
250051004	2012	6	30	9	V	7.4	1.9	4.92	286
250051004	2012	6	30	10	V	7.4	2.3	5.67	295
250051004	2012	6	30	11	V	10.6	1.9	5.38	278
250051004	2012	6	30	12	V	18.5	1.6	5.99	271
250051004	2012	6	30	13	V	16.1	1.8	5.67	271
250051004	2012	6	30	14	V	17.1	1.8	5.38	277
250051004	2012	6	30	15	V	6.6	1.8	5.26	272
250051004	2012	6	30	16	V	6.1	1.8	4.82	261
250051004	2012	6	30	17	V	4.4	2	5.19	259
250051004	2012	6	30	18	V	3.7	1.9	5	219
250051004	2012	6	30	19	V	3.3	-999	4.8	212
250051004	2012	6	30	20	V	3.2	2.3	3.51	213
250051004	2012	6	30	21	V	3.1	2.3	3.86	236
250051004	2012	6	30	22	V	3.0	2.2	3.56	248
250051004	2012	6	30	23	V	3.1	2.1	3.49	262
250051004	2012	6	30	24	V	6.8	2.1	2.72	262
250051004	2012	7	1	1	V	9.1	2.1	3.18	266
250051004	2012	7	1	2	V	6.4	2.1	2.61	265
250051004	2012	7	1	3	V	9.1	1.7	2.32	263
250051004	2012	7	1	4	V	7.6	1.8	2.06	265
250051004	2012	7	1	5	V	7.4	1.9	2.04	261
250051004	2012	7	1	6	V	8.0	2	1.93	257
250051004	2012	7	1	7	V	7.8	2.7	2.47	264
250051004	2012	7	1	8	V	7.7	3.6	2.52	270
250051004	2012	7	1	9	V	7.9	2.6	2.81	289
250051004	2012	7	1	10	V	8.0	2	2.49	248
250051004	2012	7	1	11	V	11.0	1.9	3.44	240
250051004	2012	7	1	12	V	18.8	2	4.24	241
250051004	2012	7	1	13	V	16.2	2.1	5.43	253
250051004	2012	7	1	14	V	17.1	2.3	5.12	242
250051004	2012	7	1	15	V	6.6	2.2	5.28	222
250051004	2012	7	1	16	V	6.1	2.5	5.82	293
250051004	2012	7	1	17	V	5.0	1.5	1.88	228
250051004	2012	7	1	18	V	4.0	1.7	1.99	234
250051004	2012	7	1	19	V	3.3	1.6	2.64	214
250051004	2012	7	1	20	V	3.2	1.5	3	230
250051004	2012	7	1	21	V	3.1	1.5	2.23	257
250051004	2012	7	1	22	V	3.0	1.5	2.89	266
250051004	2012	7	1	23	V	3.1	1.5	3.15	284
250051004	2012	7	1	24	V	6.8	1.5	2.3	351
250051004	2012	7	2	1	V	9.1	1.4	1.48	274
250051004	2012	7	2	2	V	6.4	1.7	1.64	287
250051004	2012	7	2	3	V	9.1	-999	1.77	307
250051004	2012	7	2	4	V	7.6	-999	1.64	314

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	2	5	V	7.4	1.2	1.88	320
250051004	2012	7	2	6	V	17.6	1.6	1.88	323
250051004	2012	7	2	7	V	8.1	1.5	4	346
250051004	2012	7	2	8	V	7.5	1.3	4.54	351
250051004	2012	7	2	9	V	7.5	1.2	4.73	7
250051004	2012	7	2	10	V	7.5	1.3	3.73	359
250051004	2012	7	2	11	V	11.0	1.3	2.78	11
250051004	2012	7	2	12	V	47.1	3.8	3.44	321
250051004	2012	7	2	13	V	17.5	3.9	3.56	359
250051004	2012	7	2	14	V	28.9	1.4	2.83	311
250051004	2012	7	2	15	V	6.6	3.2	4.05	287
250051004	2012	7	2	16	V	32.2	3.2	3.1	329
250051004	2012	7	2	17	V	4.5	2.1	4.17	359
250051004	2012	7	2	18	V	3.9	1.8	3.23	226
250051004	2012	7	2	19	V	3.3	1.4	3.3	220
250051004	2012	7	2	20	V	3.2	1.4	3.57	270
250051004	2012	7	2	21	V	3.1	1.5	2.62	260
250051004	2012	7	2	22	V	3.0	1.4	2.56	262
250051004	2012	7	2	23	V	3.1	1.3	2.15	260
250051004	2012	7	2	24	V	6.8	1.5	1.82	261
250051004	2012	7	3	1	V	9.1	1.4	2.74	254
250051004	2012	7	3	2	V	6.4	1.4	2.27	270
250051004	2012	7	3	3	V	9.1	1.7	1.96	325
250051004	2012	7	3	4	V	7.6	1.5	1.4	272
250051004	2012	7	3	5	V	7.4	2	0.96	183
250051004	2012	7	3	6	V	8.0	1.9	1.3	251
250051004	2012	7	3	7	V	8.0	1.8	2.23	295
250051004	2012	7	3	8	V	8.5	2.7	3.76	345
250051004	2012	7	3	9	V	7.4	1.4	4.41	353
250051004	2012	7	3	10	V	16.1	5.2	4.75	329
250051004	2012	7	3	11	V	16.9	3.2	4.22	328
250051004	2012	7	3	12	V	23.8	1.8	4.42	325
250051004	2012	7	3	13	V	16.6	1.1	4.24	302
250051004	2012	7	3	14	V	17.0	1.3	3.81	290
250051004	2012	7	3	15	V	7.1	1.4	3.56	302
250051004	2012	7	3	16	V	6.1	1.3	3.97	264
250051004	2012	7	3	17	V	4.4	1.4	2.98	270
250051004	2012	7	3	18	V	3.7	1.4	4.65	235
250051004	2012	7	3	19	V	3.3	-999	4.73	221
250051004	2012	7	3	20	V	3.2	0.9	3.98	225
250051004	2012	7	3	21	V	3.1	1.4	3.88	234
250051004	2012	7	3	22	V	3.0	1.7	3.03	227
250051004	2012	7	3	23	V	3.1	1.5	2.64	199
250051004	2012	7	3	24	V	6.8	1.5	2.22	180
250051004	2012	7	4	1	V	9.1	1.4	2.98	175
250051004	2012	7	4	2	V	6.4	1.6	2.96	179

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	4	3	V	9.1	1.5	2.61	185
250051004	2012	7	4	4	V	7.6	1.5	1.93	233
250051004	2012	7	4	5	V	7.4	1.3	1.4	144
250051004	2012	7	4	6	V	8.0	1.4	2.73	177
250051004	2012	7	4	7	V	7.8	1.2	4.2	188
250051004	2012	7	4	8	V	7.5	1.2	3.34	205
250051004	2012	7	4	9	V	7.4	1.6	2.78	214
250051004	2012	7	4	10	V	7.3	2	3.81	226
250051004	2012	7	4	11	V	10.6	1.9	3.49	269
250051004	2012	7	4	12	V	18.5	1.6	3.42	281
250051004	2012	7	4	13	V	16.1	1.6	3.3	272
250051004	2012	7	4	14	V	17.0	1.7	4.12	270
250051004	2012	7	4	15	V	6.5	1.8	4.78	266
250051004	2012	7	4	16	V	6.1	2	4.73	258
250051004	2012	7	4	17	V	4.4	1.7	5.12	240
250051004	2012	7	4	18	V	3.7	2	4.95	223
250051004	2012	7	4	19	V	3.3	2	4.32	201
250051004	2012	7	4	20	V	3.2	2	3.49	208
250051004	2012	7	4	21	V	3.1	2.2	2.56	199
250051004	2012	7	4	22	V	3.0	2.2	1.96	212
250051004	2012	7	4	23	V	3.1	2	4.15	235
250051004	2012	7	4	24	V	6.8	1.9	4.83	261
250051004	2012	7	5	1	V	9.1	2	4.19	264
250051004	2012	7	5	2	V	6.4	2.4	3.75	261
250051004	2012	7	5	3	V	9.1	2.1	2.73	273
250051004	2012	7	5	4	V	7.6	2	1.86	321
250051004	2012	7	5	5	V	7.4	2.6	2.47	329
250051004	2012	7	5	6	V	8.0	2.3	3.39	350
250051004	2012	7	5	7	V	7.9	1.6	4.53	347
250051004	2012	7	5	8	V	7.5	1.4	5.51	351
250051004	2012	7	5	9	V	7.3	1.5	6.47	352
250051004	2012	7	5	10	V	7.3	1.3	6.55	357
250051004	2012	7	5	11	V	10.9	1.3	5.43	348
250051004	2012	7	5	12	V	22.4	1.4	4.99	342
250051004	2012	7	5	13	V	16.6	1.6	4.95	350
250051004	2012	7	5	14	V	33.2	1.3	4.49	332
250051004	2012	7	5	15	V	6.6	1.5	3.98	353
250051004	2012	7	5	16	V	7.6	1.4	3.97	348
250051004	2012	7	5	17	V	5.3	1.6	3.59	350
250051004	2012	7	5	18	V	3.7	1.4	3.42	156
250051004	2012	7	5	19	V	3.3	1.4	3.54	167
250051004	2012	7	5	20	V	3.2	1	3.35	174
250051004	2012	7	5	21	V	3.1	1.4	2.81	195
250051004	2012	7	5	22	V	3.0	1.6	2.47	202
250051004	2012	7	5	23	V	3.1	2.2	1.94	219
250051004	2012	7	5	24	V	6.8	1.4	2.45	262

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	6	1	V	9.1	1.3	2.13	267
250051004	2012	7	6	2	V	6.4	1.3	1.67	284
250051004	2012	7	6	3	V	9.1	2.6	1.4	308
250051004	2012	7	6	4	V	7.6	1.9	1.45	274
250051004	2012	7	6	5	V	7.4	1.5	2.3	276
250051004	2012	7	6	6	V	8.0	1.5	1.65	281
250051004	2012	7	6	7	V	12.0	2.8	1.62	305
250051004	2012	7	6	8	V	17.1	3.3	1.81	340
250051004	2012	7	6	9	V	12.3	1.2	2.5	349
250051004	2012	7	6	10	V	7.4	1.3	3.57	283
250051004	2012	7	6	11	V	10.8	1.3	3.46	288
250051004	2012	7	6	12	V	18.6	1.4	3.46	276
250051004	2012	7	6	13	V	16.4	1.5	2.78	282
250051004	2012	7	6	14	V	17.5	1.5	2.35	240
250051004	2012	7	6	15	V	6.8	1.1	2.54	265
250051004	2012	7	6	16	V	6.3	1.3	2.73	149
250051004	2012	7	6	17	V	5.2	1.2	2.84	292
250051004	2012	7	6	18	V	3.7	1.4	3.46	271
250051004	2012	7	6	19	V	3.3	-999	2.25	246
250051004	2012	7	6	20	V	3.2	1.2	2.93	204
250051004	2012	7	6	21	V	3.1	1.3	3.15	205
250051004	2012	7	6	22	V	3.0	1.3	3.07	206
250051004	2012	7	6	23	V	3.1	1.5	3.68	202
250051004	2012	7	6	24	V	6.8	1.3	3.29	205
250051004	2012	7	7	1	V	9.1	1.2	3.63	222
250051004	2012	7	7	2	V	6.4	1.3	2.78	213
250051004	2012	7	7	3	V	9.1	1.5	3.27	220
250051004	2012	7	7	4	V	7.6	1.5	4.29	245
250051004	2012	7	7	5	V	7.4	1.5	3.3	235
250051004	2012	7	7	6	V	8.1	1.6	2.11	236
250051004	2012	7	7	7	V	7.9	1.7	3.39	256
250051004	2012	7	7	8	V	7.5	1.8	3.2	281
250051004	2012	7	7	9	V	7.3	2	3.35	283
250051004	2012	7	7	10	V	7.4	2.2	2.69	287
250051004	2012	7	7	11	V	10.8	2.1	2.78	297
250051004	2012	7	7	12	V	18.5	1.9	3.1	269
250051004	2012	7	7	13	V	16.0	2	3.71	283
250051004	2012	7	7	14	V	17.0	1.9	4.56	288
250051004	2012	7	7	15	V	6.4	2.1	3.78	276
250051004	2012	7	7	16	V	6.0	1.9	3.37	272
250051004	2012	7	7	17	V	4.4	2	3.92	285
250051004	2012	7	7	18	V	3.6	1.7	5.05	277
250051004	2012	7	7	19	V	3.3	1.8	4.26	296
250051004	2012	7	7	20	V	3.2	3.4	2.57	309
250051004	2012	7	7	21	V	3.1	1.7	2.84	316
250051004	2012	7	7	22	V	3.0	5.6	2.91	318

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	7	23	V	3.1	7	3.05	322
250051004	2012	7	7	24	V	6.8	2.6	2.39	312
250051004	2012	7	8	1	V	9.1	1.8	2.27	306
250051004	2012	7	8	2	V	6.4	1.7	1.84	280
250051004	2012	7	8	3	V	9.1	3.4	1.72	294
250051004	2012	7	8	4	V	7.6	6.2	1.91	293
250051004	2012	7	8	5	V	7.4	4.8	1.6	277
250051004	2012	7	8	6	V	8.0	21.7	1.55	275
250051004	2012	7	8	7	V	8.2	9.4	2.06	308
250051004	2012	7	8	8	V	10.1	5.1	3.91	340
250051004	2012	7	8	9	V	7.6	2.5	3.88	353
250051004	2012	7	8	10	V	9.3	5.9	3.03	345
250051004	2012	7	8	11	V	10.6	6.4	3.29	280
250051004	2012	7	8	12	V	18.4	1.6	4.92	284
250051004	2012	7	8	13	V	16.3	1.8	3.97	297
250051004	2012	7	8	14	V	17.0	1.7	4.44	273
250051004	2012	7	8	15	V	6.5	1.6	5.24	287
250051004	2012	7	8	16	V	6.0	1.6	4.83	302
250051004	2012	7	8	17	V	4.3	1.6	4.59	305
250051004	2012	7	8	18	V	3.6	1.6	3.13	306
250051004	2012	7	8	19	V	3.3	1	4.42	235
250051004	2012	7	8	20	V	3.2	1.4	3.59	242
250051004	2012	7	8	21	V	3.1	1.8	3.56	260
250051004	2012	7	8	22	V	3.0	1.7	2.98	286
250051004	2012	7	8	23	V	3.1	1.6	3.54	348
250051004	2012	7	8	24	V	6.8	1.5	5.8	20
250051004	2012	7	9	1	V	9.1	1.4	5.39	21
250051004	2012	7	9	2	V	6.4	1.4	5.04	19
250051004	2012	7	9	3	V	9.1	1.3	4.32	360
250051004	2012	7	9	4	V	7.6	1.3	2.86	347
250051004	2012	7	9	5	V	7.4	1.3	2.69	338
250051004	2012	7	9	6	V	8.0	1.2	2.35	335
250051004	2012	7	9	7	V	7.8	1.2	3.13	347
250051004	2012	7	9	8	V	7.5	1.1	3.9	352
250051004	2012	7	9	9	V	7.3	1.3	4.12	355
250051004	2012	7	9	10	V	7.3	1.1	3.68	343
250051004	2012	7	9	11	V	10.5	1.1	3.98	340
250051004	2012	7	9	12	V	18.4	1.3	3.88	332
250051004	2012	7	9	13	V	15.9	1.3	3.32	1
250051004	2012	7	9	14	V	16.9	1.3	3.71	345
250051004	2012	7	9	15	V	6.4	1.3	3.97	312
250051004	2012	7	9	16	V	6.0	1.3	4.09	314
250051004	2012	7	9	17	V	4.3	1.3	3.46	297
250051004	2012	7	9	18	V	3.6	1.5	3.22	289
250051004	2012	7	9	19	V	3.3	-999	4.27	213
250051004	2012	7	9	20	V	3.2	1.1	3.39	230

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	9	21	V	3.1	1.3	2.27	226
250051004	2012	7	9	22	V	3.0	1.2	2.96	250
250051004	2012	7	9	23	V	3.1	1.3	2.1	288
250051004	2012	7	9	24	V	6.8	1.3	1.89	243
250051004	2012	7	10	1	V	9.1	1.3	1.91	280
250051004	2012	7	10	2	V	6.4	1.4	2.72	336
250051004	2012	7	10	3	V	9.1	1.7	3.12	345
250051004	2012	7	10	4	V	7.6	1.4	3.46	349
250051004	2012	7	10	5	V	7.4	1.2	2.27	343
250051004	2012	7	10	6	V	8.4	1.4	1.98	336
250051004	2012	7	10	7	V	7.9	1.6	2.25	359
250051004	2012	7	10	8	V	7.6	1.4	2.15	28
250051004	2012	7	10	9	V	7.5	1.2	1.77	98
250051004	2012	7	10	10	V	7.4	2.1	2.18	51
250051004	2012	7	10	11	V	10.7	2.5	1.99	92
250051004	2012	7	10	12	V	18.5	14.1	2.16	244
250051004	2012	7	10	13	V	16.0	-999	3.08	273
250051004	2012	7	10	14	V	17.1	-999	2.84	269
250051004	2012	7	10	15	V	6.5	1.5	3.54	242
250051004	2012	7	10	16	V	6.0	1.2	5.16	147
250051004	2012	7	10	17	V	4.4	1.4	5.68	178
250051004	2012	7	10	18	V	3.7	1.4	4.63	179
250051004	2012	7	10	19	V	3.3	1.2	3.74	189
250051004	2012	7	10	20	V	3.2	1.3	2.88	206
250051004	2012	7	10	21	V	3.1	1.2	2.08	191
250051004	2012	7	10	22	V	3.0	1	1.62	189
250051004	2012	7	10	23	V	3.1	1.1	1.4	189
250051004	2012	7	10	24	V	6.8	1.1	1.38	197
250051004	2012	7	11	1	V	9.1	0.9	1.38	158
250051004	2012	7	11	2	V	6.4	1.9	1.48	166
250051004	2012	7	11	3	V	9.1	4.9	1.71	189
250051004	2012	7	11	4	V	7.6	3	1.74	194
250051004	2012	7	11	5	V	7.4	1.9	0.86	209
250051004	2012	7	11	6	V	8.0	3.5	1.33	225
250051004	2012	7	11	7	V	8.3	2.1	1.59	246
250051004	2012	7	11	8	V	9.0	2	1.47	292
250051004	2012	7	11	9	V	7.8	1.2	1.99	192
250051004	2012	7	11	10	V	7.7	1.4	2.16	176
250051004	2012	7	11	11	V	10.6	1.1	3.78	158
250051004	2012	7	11	12	V	18.4	1.8	4.53	149
250051004	2012	7	11	13	V	16.0	3.8	5.39	150
250051004	2012	7	11	14	V	17.0	2.6	6.75	152
250051004	2012	7	11	15	V	6.5	1	6.18	164
250051004	2012	7	11	16	V	6.2	0.8	5	179
250051004	2012	7	11	17	V	4.5	0.9	5.48	158
250051004	2012	7	11	18	V	3.7	1	5.02	160

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	11	19	V	3.3	1.1	4.75	163
250051004	2012	7	11	20	V	3.2	1	3.39	172
250051004	2012	7	11	21	V	3.1	0.8	3.3	190
250051004	2012	7	11	22	V	3.0	0.8	2.13	203
250051004	2012	7	11	23	V	3.1	0.7	2.15	202
250051004	2012	7	11	24	V	6.8	0.8	1.84	205
250051004	2012	7	12	1	V	9.1	0.8	1.57	247
250051004	2012	7	12	2	V	6.4	0.8	1.99	275
250051004	2012	7	12	3	V	9.1	0.7	1.57	264
250051004	2012	7	12	4	V	7.6	0.8	1.5	264
250051004	2012	7	12	5	V	7.4	0.8	1.21	256
250051004	2012	7	12	6	V	8.0	0.8	1.01	262
250051004	2012	7	12	7	V	10.5	3.6	1.14	246
250051004	2012	7	12	8	V	10.7	5.3	1.6	284
250051004	2012	7	12	9	V	10.0	1.7	1.6	264
250051004	2012	7	12	10	V	8.7	0.8	2.25	207
250051004	2012	7	12	11	V	10.8	1.1	4.41	164
250051004	2012	7	12	12	V	18.6	1.4	5.24	154
250051004	2012	7	12	13	V	16.1	0.9	5.89	148
250051004	2012	7	12	14	V	17.1	1.6	5.94	155
250051004	2012	7	12	15	V	6.6	1	6.19	151
250051004	2012	7	12	16	V	6.2	1.1	6.07	154
250051004	2012	7	12	17	V	4.5	1.1	5.77	183
250051004	2012	7	12	18	V	3.7	1	6.02	195
250051004	2012	7	12	19	V	3.3	-999	4.68	205
250051004	2012	7	12	20	V	3.2	0.7	3.78	201
250051004	2012	7	12	21	V	3.1	0.8	3.57	208
250051004	2012	7	12	22	V	3.0	1	3.1	221
250051004	2012	7	12	23	V	3.1	0.8	3.01	216
250051004	2012	7	12	24	V	6.8	0.9	2.04	208
250051004	2012	7	13	1	V	9.1	0.8	2.96	217
250051004	2012	7	13	2	V	6.4	1	2.84	197
250051004	2012	7	13	3	V	9.1	1.1	2.71	197
250051004	2012	7	13	4	V	7.6	1.1	1.59	188
250051004	2012	7	13	5	V	7.4	1.1	1.37	158
250051004	2012	7	13	6	V	8.3	2	2.13	169
250051004	2012	7	13	7	V	8.5	3.8	2.38	184
250051004	2012	7	13	8	V	8.4	3.6	2.32	216
250051004	2012	7	13	9	V	7.4	4.7	3.76	218
250051004	2012	7	13	10	V	7.5	6.1	3.86	200
250051004	2012	7	13	11	V	10.8	3.8	3.66	189
250051004	2012	7	13	12	V	18.6	4.1	4.03	145
250051004	2012	7	13	13	V	16.1	5	5.73	149
250051004	2012	7	13	14	V	17.1	2.1	6.5	177
250051004	2012	7	13	15	V	6.6	1.1	5.29	164
250051004	2012	7	13	16	V	6.2	0.7	4.46	154

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	13	17	V	4.5	0.7	4.22	165
250051004	2012	7	13	18	V	3.7	0.9	4.07	177
250051004	2012	7	13	19	V	3.3	0.9	3.47	197
250051004	2012	7	13	20	V	3.2	0.8	3	198
250051004	2012	7	13	21	V	3.1	1.3	2.66	204
250051004	2012	7	13	22	V	3.0	1.3	2.18	200
250051004	2012	7	13	23	V	3.1	1	1.67	219
250051004	2012	7	13	24	V	6.8	1	2.01	220
250051004	2012	7	14	1	V	9.1	1	1.81	183
250051004	2012	7	14	2	V	6.4	1	1.4	160
250051004	2012	7	14	3	V	9.1	1.2	1.93	176
250051004	2012	7	14	4	V	7.6	1.1	2.08	169
250051004	2012	7	14	5	V	7.4	1.1	2.25	185
250051004	2012	7	14	6	V	8.0	1.1	2.69	222
250051004	2012	7	14	7	V	7.8	1.1	3.37	279
250051004	2012	7	14	8	V	8.2	1.1	2.49	308
250051004	2012	7	14	9	V	7.4	1.8	3.97	303
250051004	2012	7	14	10	V	7.3	1.3	4.27	286
250051004	2012	7	14	11	V	10.9	1.6	3.29	285
250051004	2012	7	14	12	V	19.1	1	3.13	276
250051004	2012	7	14	13	V	16.2	0.9	4.78	263
250051004	2012	7	14	14	V	17.2	1.2	5.39	267
250051004	2012	7	14	15	V	6.6	1.1	5.7	279
250051004	2012	7	14	16	V	6.2	1.4	4.95	280
250051004	2012	7	14	17	V	4.5	1.2	5.29	243
250051004	2012	7	14	18	V	3.7	1.1	5.97	242
250051004	2012	7	14	19	V	3.3	1.1	5.72	236
250051004	2012	7	14	20	V	3.2	1.2	4.1	231
250051004	2012	7	14	21	V	3.1	1.7	3.91	236
250051004	2012	7	14	22	V	3.0	1.4	3.35	228
250051004	2012	7	14	23	V	3.1	1.3	3.23	237
250051004	2012	7	14	24	V	6.8	1.3	3.71	247
250051004	2012	7	15	1	V	9.1	1.4	3.17	260
250051004	2012	7	15	2	V	6.4	1.2	1.87	216
250051004	2012	7	15	3	V	9.1	1.2	2.15	237
250051004	2012	7	15	4	V	7.6	1.2	1.23	260
250051004	2012	7	15	5	V	7.4	1.1	1.99	265
250051004	2012	7	15	6	V	8.2	1.1	2.01	236
250051004	2012	7	15	7	V	8.6	1.3	2.15	241
250051004	2012	7	15	8	V	8.3	1.4	2.3	244
250051004	2012	7	15	9	V	8.2	1.4	2.64	218
250051004	2012	7	15	10	V	7.7	1.5	3.03	230
250051004	2012	7	15	11	V	11.1	1.3	2.83	240
250051004	2012	7	15	12	V	18.6	1.4	4.02	179
250051004	2012	7	15	13	V	16.4	1.5	3.78	204
250051004	2012	7	15	14	V	17.2	1.8	4.03	246

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	15	15	V	6.6	1.8	3.71	245
250051004	2012	7	15	16	V	6.1	2	5.16	216
250051004	2012	7	15	17	V	4.5	2.1	4.9	226
250051004	2012	7	15	18	V	3.8	2.2	3.66	222
250051004	2012	7	15	19	V	3.3	-999	3.24	210
250051004	2012	7	15	20	V	3.2	1.2	3.27	226
250051004	2012	7	15	21	V	3.1	1.2	3.12	237
250051004	2012	7	15	22	V	3.0	1.3	2.33	223
250051004	2012	7	15	23	V	3.1	1.2	1.81	179
250051004	2012	7	15	24	V	6.8	1.2	1.82	179
250051004	2012	7	16	1	V	9.1	1.1	2.84	212
250051004	2012	7	16	2	V	6.4	1.5	2.33	234
250051004	2012	7	16	3	V	9.1	-999	2.93	258
250051004	2012	7	16	4	V	7.6	-999	3.44	274
250051004	2012	7	16	5	V	7.4	1.4	2.4	288
250051004	2012	7	16	6	V	8.0	2.6	3.3	274
250051004	2012	7	16	7	V	8.1	1.9	3.17	292
250051004	2012	7	16	8	V	8.0	1.9	4.58	303
250051004	2012	7	16	9	V	16.0	3.4	4.85	311
250051004	2012	7	16	10	V	25.8	3.9	4.8	314
250051004	2012	7	16	11	V	15.0	1.6	4.41	305
250051004	2012	7	16	12	V	21.3	1.7	4.54	303
250051004	2012	7	16	13	V	20.0	1.6	4.85	305
250051004	2012	7	16	14	V	17.9	3.5	5.38	301
250051004	2012	7	16	15	V	6.8	4.3	5.19	296
250051004	2012	7	16	16	V	6.1	2.5	5.87	282
250051004	2012	7	16	17	V	4.5	1.7	4.51	9
250051004	2012	7	16	18	V	4.1	1.5	1.94	241
250051004	2012	7	16	19	V	3.3	4.8	3.32	276
250051004	2012	7	16	20	V	3.2	2.7	1.89	152
250051004	2012	7	16	21	V	3.1	1.9	1.48	182
250051004	2012	7	16	22	V	3.0	1.7	2.2	261
250051004	2012	7	16	23	V	3.1	3.5	2.08	264
250051004	2012	7	16	24	V	6.8	1.8	3.34	272
250051004	2012	7	17	1	V	9.1	1.8	3.22	268
250051004	2012	7	17	2	V	6.4	1.6	2.16	263
250051004	2012	7	17	3	V	9.1	2.2	2.47	272
250051004	2012	7	17	4	V	7.6	2.5	2.69	269
250051004	2012	7	17	5	V	7.4	2.3	2.35	269
250051004	2012	7	17	6	V	8.0	2.3	1.93	258
250051004	2012	7	17	7	V	7.8	2.6	1.82	258
250051004	2012	7	17	8	V	10.5	2.4	1.47	229
250051004	2012	7	17	9	V	9.5	2.6	1.88	274
250051004	2012	7	17	10	V	7.8	2.3	2.84	219
250051004	2012	7	17	11	V	10.9	2.8	3.66	246
250051004	2012	7	17	12	V	18.8	3	4.36	231

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	17	13	V	16.2	2.7	5.58	229
250051004	2012	7	17	14	V	17.1	1.9	7.67	213
250051004	2012	7	17	15	V	6.6	2.1	7.4	215
250051004	2012	7	17	16	V	6.1	1.9	8.4	222
250051004	2012	7	17	17	V	4.5	1.9	6.99	225
250051004	2012	7	17	18	V	3.7	1.9	6.23	223
250051004	2012	7	17	19	V	3.3	1.9	5.68	226
250051004	2012	7	17	20	V	3.2	2	6.23	234
250051004	2012	7	17	21	V	3.1	2.2	5.6	235
250051004	2012	7	17	22	V	3.0	2.8	5.45	243
250051004	2012	7	17	23	V	3.1	2.9	5.6	246
250051004	2012	7	17	24	V	6.8	3	5.62	246
250051004	2012	7	18	1	V	9.1	2.7	4.95	236
250051004	2012	7	18	2	V	6.4	2.6	4.78	240
250051004	2012	7	18	3	V	9.1	3.3	3.22	261
250051004	2012	7	18	4	V	7.6	2.9	2.5	272
250051004	2012	7	18	5	V	7.4	2.5	2.59	255
250051004	2012	7	18	6	V	8.0	2.3	2.38	250
250051004	2012	7	18	7	V	7.9	3.5	2.86	231
250051004	2012	7	18	8	V	7.5	3.1	3.66	249
250051004	2012	7	18	9	V	7.6	3.4	3.07	259
250051004	2012	7	18	10	V	8.5	3.1	2.47	257
250051004	2012	7	18	11	V	11.6	3	2.54	242
250051004	2012	7	18	12	V	22.2	2.8	2.15	9
250051004	2012	7	18	13	V	16.2	3	4.44	164
250051004	2012	7	18	14	V	17.1	2.8	5.43	149
250051004	2012	7	18	15	V	6.5	3.2	6.75	199
250051004	2012	7	18	16	V	32.6	6.7	5.33	335
250051004	2012	7	18	17	V	6.0	10.4	1.37	82
250051004	2012	7	18	18	V	4.5	2.4	1.28	150
250051004	2012	7	18	19	V	3.3	-999	2.04	118
250051004	2012	7	18	20	V	3.2	2.1	1.86	164
250051004	2012	7	18	21	V	3.1	2.6	2.16	187
250051004	2012	7	18	22	V	3.0	2.7	1.98	91
250051004	2012	7	18	23	V	3.1	2.9	2.95	352
250051004	2012	7	18	24	V	6.8	1.7	1.33	353
250051004	2012	7	19	1	V	9.1	1.7	2.08	64
250051004	2012	7	19	2	V	6.4	1.3	4.75	22
250051004	2012	7	19	3	V	9.1	1.3	4	25
250051004	2012	7	19	4	V	7.6	1.2	4.97	37
250051004	2012	7	19	5	V	7.4	1.4	4.09	41
250051004	2012	7	19	6	V	8.0	1.2	3.59	50
250051004	2012	7	19	7	V	7.9	1.6	3.34	49
250051004	2012	7	19	8	V	7.6	1.6	3.08	49
250051004	2012	7	19	9	V	7.6	1.3	2.69	35
250051004	2012	7	19	10	V	7.7	1.2	2.35	41

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	19	11	V	10.9	1.3	3.1	59
250051004	2012	7	19	12	V	19.7	1.2	2.15	81
250051004	2012	7	19	13	V	17.2	1.3	1.72	93
250051004	2012	7	19	14	V	17.6	3	2.61	175
250051004	2012	7	19	15	V	6.7	2.5	3.3	168
250051004	2012	7	19	16	V	6.1	13.4	4.19	169
250051004	2012	7	19	17	V	4.5	5.5	4.46	157
250051004	2012	7	19	18	V	3.7	3.4	5	158
250051004	2012	7	19	19	V	3.3	1.3	4.39	179
250051004	2012	7	19	20	V	3.2	1.2	3.2	199
250051004	2012	7	19	21	V	3.1	1.3	2.76	187
250051004	2012	7	19	22	V	3.0	1.3	2.13	231
250051004	2012	7	19	23	V	3.1	1.1	1.37	129
250051004	2012	7	19	24	V	6.8	1.3	0.82	157
250051004	2012	7	20	1	V	9.1	1.1	1.48	113
250051004	2012	7	20	2	V	6.4	1.1	1.31	114
250051004	2012	7	20	3	V	9.1	1.1	2.45	110
250051004	2012	7	20	4	V	7.6	1.1	2.35	122
250051004	2012	7	20	5	V	7.4	1	1.77	90
250051004	2012	7	20	6	V	8.0	1.2	2.49	55
250051004	2012	7	20	7	V	7.9	1.3	2.83	56
250051004	2012	7	20	8	V	7.5	1.3	2.96	45
250051004	2012	7	20	9	V	7.4	1.2	3.24	47
250051004	2012	7	20	10	V	7.4	1.1	2.69	160
250051004	2012	7	20	11	V	10.7	1	2.42	172
250051004	2012	7	20	12	V	19.9	1.1	1.35	204
250051004	2012	7	20	13	V	16.5	1.3	1.76	229
250051004	2012	7	20	14	V	20.2	1.2	1.14	12
250051004	2012	7	20	15	V	6.8	1.1	1.81	55
250051004	2012	7	20	16	V	6.9	3.6	1.21	209
250051004	2012	7	20	17	V	9.4	11.5	1.45	314
250051004	2012	7	20	18	V	5.1	2.7	1.99	343
250051004	2012	7	20	19	V	3.3	2	2.35	32
250051004	2012	7	20	20	V	3.2	1.7	2.22	55
250051004	2012	7	20	21	V	3.1	1.3	2.67	55
250051004	2012	7	20	22	V	3.0	1.3	2.45	49
250051004	2012	7	20	23	V	3.1	1.2	2.3	46
250051004	2012	7	20	24	V	6.8	1	2.11	48
250051004	2012	7	21	1	V	9.1	1.3	2.18	3
250051004	2012	7	21	2	V	6.4	1.3	2.28	347
250051004	2012	7	21	3	V	9.1	1.1	2.4	345
250051004	2012	7	21	4	V	7.6	1.2	2.61	353
250051004	2012	7	21	5	V	7.4	1.1	2.5	349
250051004	2012	7	21	6	V	8.1	1	2.3	344
250051004	2012	7	21	7	V	7.9	1.3	2.76	15
250051004	2012	7	21	8	V	7.6	1.6	3.8	38

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	21	9	V	7.6	1.4	3.13	44
250051004	2012	7	21	10	V	7.5	1	3.35	74
250051004	2012	7	21	11	V	10.9	1.1	2.95	59
250051004	2012	7	21	12	V	18.5	1.1	3.34	73
250051004	2012	7	21	13	V	16.2	1.1	3.18	94
250051004	2012	7	21	14	V	17.4	1.2	2.78	99
250051004	2012	7	21	15	V	6.7	1	3.27	106
250051004	2012	7	21	16	V	6.1	1.1	4.39	133
250051004	2012	7	21	17	V	4.4	0.9	5.46	169
250051004	2012	7	21	18	V	3.7	0.8	4.88	171
250051004	2012	7	21	19	V	3.3	-999	4.2	184
250051004	2012	7	21	20	V	3.2	0.9	3.54	191
250051004	2012	7	21	21	V	3.1	1.1	2.79	203
250051004	2012	7	21	22	V	3.0	1.2	2.52	211
250051004	2012	7	21	23	V	3.1	0.9	1.82	232
250051004	2012	7	21	24	V	6.8	1.2	1.81	253
250051004	2012	7	22	1	V	9.1	0.9	1.47	260
250051004	2012	7	22	2	V	6.4	0.9	2.11	260
250051004	2012	7	22	3	V	9.1	0.9	1.96	256
250051004	2012	7	22	4	V	7.6	0.7	1.93	256
250051004	2012	7	22	5	V	7.4	0.9	1.08	227
250051004	2012	7	22	6	V	8.0	1.1	1.77	262
250051004	2012	7	22	7	V	8.5	1	1.89	255
250051004	2012	7	22	8	V	8.2	1	2.15	239
250051004	2012	7	22	9	V	7.9	1.1	2.28	215
250051004	2012	7	22	10	V	7.5	1	3.47	171
250051004	2012	7	22	11	V	10.6	1.1	5.75	149
250051004	2012	7	22	12	V	18.5	0.9	6.77	147
250051004	2012	7	22	13	V	16.0	1.1	7.31	148
250051004	2012	7	22	14	V	17.0	1.1	7.06	150
250051004	2012	7	22	15	V	6.5	1.1	6.63	167
250051004	2012	7	22	16	V	6.1	1.1	6.14	181
250051004	2012	7	22	17	V	4.4	1	6.09	190
250051004	2012	7	22	18	V	3.7	1.1	5.56	193
250051004	2012	7	22	19	V	3.3	1	4.92	193
250051004	2012	7	22	20	V	3.2	1	4.68	199
250051004	2012	7	22	21	V	3.1	1.1	3.4	201
250051004	2012	7	22	22	V	3.0	1	3.03	201
250051004	2012	7	22	23	V	3.1	1	3.22	205
250051004	2012	7	22	24	V	6.8	0.9	2.73	202
250051004	2012	7	23	1	V	9.1	1.2	1.64	184
250051004	2012	7	23	2	V	6.4	2.8	1.23	161
250051004	2012	7	23	3	V	9.1	6.8	1.54	184
250051004	2012	7	23	4	V	7.6	6.1	1.88	197
250051004	2012	7	23	5	V	7.4	8.9	1.57	199
250051004	2012	7	23	6	V	8.0	7.9	1.25	165

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	23	7	V	8.5	5.2	1.94	162
250051004	2012	7	23	8	V	7.8	3.9	2.47	171
250051004	2012	7	23	9	V	7.6	5.3	2.73	207
250051004	2012	7	23	10	V	7.5	5.4	3.56	236
250051004	2012	7	23	11	V	10.7	6	3.83	220
250051004	2012	7	23	12	V	18.6	4.9	4.17	196
250051004	2012	7	23	13	V	16.1	7.6	4.95	205
250051004	2012	7	23	14	V	17.1	4.8	5.68	216
250051004	2012	7	23	15	V	6.5	2.4	6.18	201
250051004	2012	7	23	16	V	6.1	3.1	6.53	199
250051004	2012	7	23	17	V	4.4	1.9	6.26	205
250051004	2012	7	23	18	V	3.7	1.7	5.53	205
250051004	2012	7	23	19	V	3.3	1.6	4.68	197
250051004	2012	7	23	20	V	3.2	1.7	4.77	199
250051004	2012	7	23	21	V	3.1	1.6	4.12	201
250051004	2012	7	23	22	V	3.0	1.6	3.54	196
250051004	2012	7	23	23	V	3.1	1.4	4.14	209
250051004	2012	7	23	24	V	6.8	1.4	3.47	213
250051004	2012	7	24	1	V	9.1	2.2	3.52	203
250051004	2012	7	24	2	V	6.4	4.8	3.66	231
250051004	2012	7	24	3	V	9.1	5.3	2.91	193
250051004	2012	7	24	4	V	7.6	6.7	2.3	217
250051004	2012	7	24	5	V	7.4	3.9	2.27	227
250051004	2012	7	24	6	V	8.0	4	3.37	191
250051004	2012	7	24	7	V	7.9	9.5	2.96	192
250051004	2012	7	24	8	V	7.5	3.5	4.76	240
250051004	2012	7	24	9	V	7.5	3.1	3.98	243
250051004	2012	7	24	10	V	7.5	3	3.88	265
250051004	2012	7	24	11	V	10.6	3	4.95	278
250051004	2012	7	24	12	V	18.5	2.9	6.11	290
250051004	2012	7	24	13	V	16.0	2.5	6.43	288
250051004	2012	7	24	14	V	17.1	2.3	5.92	285
250051004	2012	7	24	15	V	6.5	2.3	6.23	287
250051004	2012	7	24	16	V	6.8	8.1	7.45	308
250051004	2012	7	24	17	V	27.5	32.9	4.87	318
250051004	2012	7	24	18	V	34.1	2.3	3.3	326
250051004	2012	7	24	19	V	3.3	-999	3.12	295
250051004	2012	7	24	20	V	3.2	2.5	1.74	287
250051004	2012	7	24	21	V	3.1	3.5	4.51	307
250051004	2012	7	24	22	V	3.0	3.2	3.81	311
250051004	2012	7	24	23	V	3.1	1.8	3.68	329
250051004	2012	7	24	24	V	6.8	1.6	4.51	331
250051004	2012	7	25	1	V	9.1	1.6	3.86	324
250051004	2012	7	25	2	V	6.4	1.9	4.54	326
250051004	2012	7	25	3	V	9.1	1.9	3.97	330
250051004	2012	7	25	4	V	7.6	1.8	3.22	337

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	25	5	V	7.4	5.4	3.46	305
250051004	2012	7	25	6	V	8.5	7.9	3.63	315
250051004	2012	7	25	7	V	19.2	38.4	4.87	319
250051004	2012	7	25	8	V	12.1	21	5.24	327
250051004	2012	7	25	9	V	11.4	3.9	4.99	321
250051004	2012	7	25	10	V	9.7	2.2	5.85	314
250051004	2012	7	25	11	V	11.4	3.1	6.24	309
250051004	2012	7	25	12	V	20.9	3.6	6.43	315
250051004	2012	7	25	13	V	18.3	2.6	5.58	315
250051004	2012	7	25	14	V	17.8	2.9	5.43	308
250051004	2012	7	25	15	V	12.5	3.3	5.17	324
250051004	2012	7	25	16	V	8.8	2.9	4.22	312
250051004	2012	7	25	17	V	4.6	2.5	4.97	302
250051004	2012	7	25	18	V	3.7	2	4.19	289
250051004	2012	7	25	19	V	3.3	1.8	2.76	280
250051004	2012	7	25	20	V	3.2	1.7	2.54	274
250051004	2012	7	25	21	V	3.1	2	3.03	271
250051004	2012	7	25	22	V	3.0	2	2.3	268
250051004	2012	7	25	23	V	3.1	1.9	2.69	265
250051004	2012	7	25	24	V	6.8	2.5	1.5	252
250051004	2012	7	26	1	V	9.1	2.1	0.94	220
250051004	2012	7	26	2	V	6.4	2.7	1.5	246
250051004	2012	7	26	3	V	9.1	1.7	2.36	246
250051004	2012	7	26	4	C	-999	4.3	0	0
250051004	2012	7	26	5	V	7.4	3.4	2.36	230
250051004	2012	7	26	6	V	8.0	3.9	3.36	227
250051004	2012	7	26	7	V	7.8	3.4	3.81	242
250051004	2012	7	26	8	V	7.5	3.1	4.32	240
250051004	2012	7	26	9	V	7.3	3.6	4.46	228
250051004	2012	7	26	10	V	7.3	3	5.38	238
250051004	2012	7	26	11	V	10.5	4.8	4.12	202
250051004	2012	7	26	12	V	18.4	8.3	4.09	192
250051004	2012	7	26	13	V	15.9	7.8	4.97	196
250051004	2012	7	26	14	V	16.9	7	5.17	202
250051004	2012	7	26	15	V	6.4	2.2	4.94	208
250051004	2012	7	26	16	V	6.0	2.1	5.24	220
250051004	2012	7	26	17	V	4.4	2.4	5.34	232
250051004	2012	7	26	18	V	3.6	2.3	4.61	218
250051004	2012	7	26	19	V	3.3	2.5	3.05	192
250051004	2012	7	26	20	V	3.2	2.4	3.61	183
250051004	2012	7	26	21	V	3.1	2.5	3.13	170
250051004	2012	7	26	22	V	3.0	2	3.91	216
250051004	2012	7	26	23	V	3.1	2	6.52	255
250051004	2012	7	26	24	V	6.8	2	4.83	260
250051004	2012	7	27	1	V	9.1	1.9	5.41	262
250051004	2012	7	27	2	V	6.4	1.8	5.09	259

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	27	3	V	9.1	1.6	3.58	274
250051004	2012	7	27	4	V	7.6	2	2.56	295
250051004	2012	7	27	5	V	7.4	4.3	3.1	176
250051004	2012	7	27	6	V	8.0	5.9	1.98	195
250051004	2012	7	27	7	V	8.1	4.1	1.98	190
250051004	2012	7	27	8	V	7.8	7	2.06	202
250051004	2012	7	27	9	V	7.8	5.5	1.82	209
250051004	2012	7	27	10	V	8.1	2.7	1.62	219
250051004	2012	7	27	11	V	23.8	3.8	2.08	316
250051004	2012	7	27	12	V	18.6	13.3	2.45	92
250051004	2012	7	27	13	V	16.2	11.1	2.38	94
250051004	2012	7	27	14	V	17.2	13.9	2.3	111
250051004	2012	7	27	15	V	6.5	2.5	3.26	97
250051004	2012	7	27	16	V	6.1	1.9	4	27
250051004	2012	7	27	17	V	4.4	1.9	3.88	48
250051004	2012	7	27	18	V	3.7	1.7	3.51	65
250051004	2012	7	27	19	V	3.3	-999	3.97	48
250051004	2012	7	27	20	V	3.2	1.5	3.85	42
250051004	2012	7	27	21	V	3.1	1.6	2.5	62
250051004	2012	7	27	22	V	3.0	1.5	1.72	73
250051004	2012	7	27	23	V	3.1	1.7	0.7	106
250051004	2012	7	27	24	V	6.8	1.7	1.54	37
250051004	2012	7	28	1	V	9.1	1.7	0.87	83
250051004	2012	7	28	2	V	6.4	1.5	0.79	50
250051004	2012	7	28	3	V	9.1	1.4	1.74	40
250051004	2012	7	28	4	V	7.6	1.7	1.42	30
250051004	2012	7	28	5	V	7.4	1.2	1.09	79
250051004	2012	7	28	6	V	8.0	1.6	1.72	65
250051004	2012	7	28	7	V	8.2	1.4	2.4	48
250051004	2012	7	28	8	V	7.9	1.5	2.86	58
250051004	2012	7	28	9	V	7.6	1.6	3.66	74
250051004	2012	7	28	10	V	7.5	1.4	3.51	86
250051004	2012	7	28	11	V	11.1	1.3	2.45	86
250051004	2012	7	28	12	V	18.6	1.4	3.25	117
250051004	2012	7	28	13	V	16.1	1.4	4.02	131
250051004	2012	7	28	14	V	17.0	1.5	3.83	129
250051004	2012	7	28	15	V	6.6	1.6	2.3	139
250051004	2012	7	28	16	V	6.1	1.4	3.01	145
250051004	2012	7	28	17	V	4.4	1.4	3.37	164
250051004	2012	7	28	18	V	3.6	1.4	2.84	154
250051004	2012	7	28	19	V	3.3	1.5	7.3	11
250051004	2012	7	28	20	V	3.2	1.4	6.04	55
250051004	2012	7	28	21	V	3.1	1.3	5.09	51
250051004	2012	7	28	22	V	3.0	1.3	3.08	37
250051004	2012	7	28	23	V	3.1	1.4	4.1	37
250051004	2012	7	28	24	V	6.8	1.4	4.31	21

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	29	1	V	9.1	1.5	4.19	23
250051004	2012	7	29	2	V	6.4	1.5	4.39	27
250051004	2012	7	29	3	V	9.1	1.3	4.36	19
250051004	2012	7	29	4	V	7.6	1.5	3.54	7
250051004	2012	7	29	5	V	7.4	1.5	3.44	358
250051004	2012	7	29	6	V	8.0	1.4	3.68	347
250051004	2012	7	29	7	V	7.8	1.3	4.09	2
250051004	2012	7	29	8	V	7.5	1.4	4.85	17
250051004	2012	7	29	9	V	7.3	1.3	4.9	21
250051004	2012	7	29	10	V	7.3	1.2	4.78	15
250051004	2012	7	29	11	V	10.5	1.3	4.58	22
250051004	2012	7	29	12	V	18.4	1.3	5.14	31
250051004	2012	7	29	13	V	15.9	1.2	4.58	22
250051004	2012	7	29	14	V	17.0	1.3	5.17	23
250051004	2012	7	29	15	V	6.4	1.3	4.32	36
250051004	2012	7	29	16	V	6.0	1.4	4.25	44
250051004	2012	7	29	17	V	4.4	1.4	3.9	40
250051004	2012	7	29	18	V	3.6	1.6	4.46	52
250051004	2012	7	29	19	V	3.3	1.5	5.16	44
250051004	2012	7	29	20	V	3.2	1.4	5.07	35
250051004	2012	7	29	21	V	3.1	1.1	3.39	27
250051004	2012	7	29	22	V	3.0	1.3	3.92	33
250051004	2012	7	29	23	V	3.1	1.3	2.84	33
250051004	2012	7	29	24	V	6.8	1.3	2.61	35
250051004	2012	7	30	1	V	9.1	1.1	2.08	16
250051004	2012	7	30	2	V	6.4	1.3	2.06	9
250051004	2012	7	30	3	V	9.1	-999	1.79	320
250051004	2012	7	30	4	V	7.6	-999	2.1	308
250051004	2012	7	30	5	V	7.4	0.8	0.99	282
250051004	2012	7	30	6	V	8.0	1.4	1.16	358
250051004	2012	7	30	7	V	9.7	1.4	1.42	7
250051004	2012	7	30	8	V	10.8	1.2	1.28	71
250051004	2012	7	30	9	V	10.9	1.3	1.38	125
250051004	2012	7	30	10	V	9.4	6.4	1.91	149
250051004	2012	7	30	11	V	11.1	10.7	3.13	147
250051004	2012	7	30	12	V	18.8	4.8	3.52	148
250051004	2012	7	30	13	V	16.2	2.7	4.03	144
250051004	2012	7	30	14	V	17.1	1.4	5.41	152
250051004	2012	7	30	15	V	6.5	1.2	6.46	150
250051004	2012	7	30	16	V	6.1	1.2	5.96	164
250051004	2012	7	30	17	V	4.4	1.2	5.96	155
250051004	2012	7	30	18	V	3.7	1	5.96	165
250051004	2012	7	30	19	V	3.3	-999	5.36	176
250051004	2012	7	30	20	V	3.2	1	2.86	206
250051004	2012	7	30	21	V	3.1	1	2.36	208
250051004	2012	7	30	22	V	3.0	1.3	1.79	208

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	7	30	23	V	3.1	0.9	1.64	224
250051004	2012	7	30	24	V	6.8	0.9	1.3	217
250051004	2012	7	31	1	V	9.1	1.1	1.26	241
250051004	2012	7	31	2	V	6.4	1.2	0.69	187
250051004	2012	7	31	3	V	9.1	1.2	1.09	262
250051004	2012	7	31	4	V	7.6	1.4	0.72	276
250051004	2012	7	31	5	V	7.4	1.2	0.79	342
250051004	2012	7	31	6	V	8.0	1.2	1.69	4
250051004	2012	7	31	7	V	8.4	1.4	2.2	32
250051004	2012	7	31	8	V	7.9	1.4	2.62	70
250051004	2012	7	31	9	V	7.5	1.3	3.46	112
250051004	2012	7	31	10	V	7.4	1.2	4.03	119
250051004	2012	7	31	11	V	10.7	1.2	4.2	128
250051004	2012	7	31	12	V	18.6	1	3.69	131
250051004	2012	7	31	13	V	16.2	1.3	3.1	97
250051004	2012	7	31	14	V	17.1	1.4	3.2	95
250051004	2012	7	31	15	V	6.5	1.5	3.81	97
250051004	2012	7	31	16	V	6.1	1.6	4.29	83
250051004	2012	7	31	17	V	4.4	1.5	3.39	63
250051004	2012	7	31	18	V	3.6	1.5	4.95	48
250051004	2012	7	31	19	V	3.3	1.5	4.8	21
250051004	2012	7	31	20	V	3.2	1.7	4.31	3
250051004	2012	7	31	21	V	3.1	1.6	4.17	336
250051004	2012	7	31	22	V	3.0	1.5	4.22	342
250051004	2012	7	31	23	V	3.5	1.6	4.29	327
250051004	2012	7	31	24	V	6.8	1.6	2.9	313
250051004	2012	8	1	1	V	9.1	1.6	3.29	293
250051004	2012	8	1	2	V	6.4	1.5	2.62	283
250051004	2012	8	1	3	V	9.1	1.5	2.49	280
250051004	2012	8	1	4	V	7.6	1.6	2.03	289
250051004	2012	8	1	5	V	7.4	2	1.28	235
250051004	2012	8	1	6	C	-999	1.9	0	0
250051004	2012	8	1	7	C	-999	1.8	0	0
250051004	2012	8	1	8	V	8.1	2	2.36	222
250051004	2012	8	1	9	M	-999	2.8	2.36	999
250051004	2012	8	1	10	V	7.8	4.7	2.86	144
250051004	2012	8	1	11	V	10.9	2.6	3.86	138
250051004	2012	8	1	12	V	18.5	5.8	6.46	153
250051004	2012	8	1	13	V	16.0	5.7	7.46	147
250051004	2012	8	1	14	V	17.0	2.3	6.89	161
250051004	2012	8	1	15	V	6.5	1.8	7.38	167
250051004	2012	8	1	16	V	6.1	1.7	6.31	162
250051004	2012	8	1	17	V	4.4	1.6	5.27	155
250051004	2012	8	1	18	V	3.7	1.7	4.14	157
250051004	2012	8	1	19	V	3.3	1.7	3.47	173
250051004	2012	8	1	20	V	3.2	1.6	3.2	180

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	1	21	V	3.1	1.3	2.33	176
250051004	2012	8	1	22	V	3.0	1.6	2.47	179
250051004	2012	8	1	23	V	3.1	1.5	1.84	223
250051004	2012	8	1	24	V	6.8	1.6	1.82	222
250051004	2012	8	2	1	V	9.1	1.5	1.77	200
250051004	2012	8	2	2	V	6.4	2	1.47	180
250051004	2012	8	2	3	V	9.1	6	1.23	198
250051004	2012	8	2	4	V	7.6	2	0.86	276
250051004	2012	8	2	5	V	7.4	1.9	1.94	225
250051004	2012	8	2	6	V	8.0	1.8	1.26	187
250051004	2012	8	2	7	V	7.9	1.8	1.4	171
250051004	2012	8	2	8	V	8.1	1.8	2.06	169
250051004	2012	8	2	9	V	8.0	1.7	2.49	227
250051004	2012	8	2	10	V	8.1	2	2.35	200
250051004	2012	8	2	11	V	11.4	5.1	2.76	250
250051004	2012	8	2	12	V	18.5	3.1	4.88	168
250051004	2012	8	2	13	V	16.1	3.9	4.8	149
250051004	2012	8	2	14	V	17.1	3.4	4.87	143
250051004	2012	8	2	15	V	6.5	2	5	159
250051004	2012	8	2	16	V	6.1	1.9	4.78	229
250051004	2012	8	2	17	V	4.5	2.2	4.03	211
250051004	2012	8	2	18	V	3.7	2.2	3.81	217
250051004	2012	8	2	19	V	3.3	-999	3.32	203
250051004	2012	8	2	20	V	3.2	1.8	3.35	196
250051004	2012	8	2	21	V	3.1	1.9	3.3	205
250051004	2012	8	2	22	V	3.0	1.9	3.12	217
250051004	2012	8	2	23	V	3.1	2	2.74	215
250051004	2012	8	2	24	V	6.8	1.8	2.44	200
250051004	2012	8	3	1	V	9.1	1.8	2.39	180
250051004	2012	8	3	2	V	6.4	3.3	2.62	199
250051004	2012	8	3	3	V	9.1	2.2	1.79	186
250051004	2012	8	3	4	V	7.6	3.5	1.89	198
250051004	2012	8	3	5	V	7.4	5.1	1.86	231
250051004	2012	8	3	6	V	8.0	2.3	2.37	240
250051004	2012	8	3	7	V	7.9	1.9	3.44	248
250051004	2012	8	3	8	V	7.6	2.1	3.46	233
250051004	2012	8	3	9	V	7.6	3.2	3.54	240
250051004	2012	8	3	10	V	7.4	3.5	4.53	264
250051004	2012	8	3	11	V	10.6	3.3	4.8	253
250051004	2012	8	3	12	V	18.5	4	5.24	255
250051004	2012	8	3	13	V	16.1	5.4	5	242
250051004	2012	8	3	14	V	17.1	3.7	4.78	231
250051004	2012	8	3	15	V	6.6	2.2	4.32	221
250051004	2012	8	3	16	V	6.1	2.2	5.87	212
250051004	2012	8	3	17	V	4.4	2	5.56	220
250051004	2012	8	3	18	V	3.7	1.8	4.42	216

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	3	19	V	3.3	2.1	4.15	204
250051004	2012	8	3	20	V	3.2	2.1	3.86	210
250051004	2012	8	3	21	V	3.1	1.8	3.18	214
250051004	2012	8	3	22	V	3.0	1.9	3.12	214
250051004	2012	8	3	23	V	3.1	1.6	2.28	208
250051004	2012	8	3	24	V	6.8	1.5	2.15	235
250051004	2012	8	4	1	V	9.1	1.5	1.74	204
250051004	2012	8	4	2	V	6.4	1.4	1.96	187
250051004	2012	8	4	3	V	9.1	1.5	1.35	160
250051004	2012	8	4	4	V	7.6	1.3	1.45	162
250051004	2012	8	4	5	V	7.4	1.2	1.28	175
250051004	2012	8	4	6	V	8.0	1.3	1.54	202
250051004	2012	8	4	7	V	8.0	1.2	1.88	210
250051004	2012	8	4	8	V	9.3	1.1	1.31	189
250051004	2012	8	4	9	V	8.8	1.9	1.77	216
250051004	2012	8	4	10	V	10.5	1.5	1.67	212
250051004	2012	8	4	11	V	10.7	1.6	4	155
250051004	2012	8	4	12	V	18.5	1.6	5.31	146
250051004	2012	8	4	13	V	16.0	1.4	5.43	145
250051004	2012	8	4	14	V	17.1	1.4	6.01	152
250051004	2012	8	4	15	V	6.5	1.4	6.14	159
250051004	2012	8	4	16	V	6.1	1.3	5.9	191
250051004	2012	8	4	17	V	4.4	1.2	5.67	189
250051004	2012	8	4	18	V	3.7	1.4	5.05	198
250051004	2012	8	4	19	V	3.3	1.2	3.39	196
250051004	2012	8	4	20	V	3.2	1.2	3.23	172
250051004	2012	8	4	21	V	3.1	1.1	3.34	184
250051004	2012	8	4	22	V	3.0	1	3.83	195
250051004	2012	8	4	23	V	3.1	1.1	3.06	196
250051004	2012	8	4	24	V	6.8	1.2	2.66	193
250051004	2012	8	5	1	V	9.1	1	1.94	170
250051004	2012	8	5	2	V	6.4	1	2.39	194
250051004	2012	8	5	3	V	9.1	1.1	2.69	178
250051004	2012	8	5	4	V	7.6	1.1	3.13	179
250051004	2012	8	5	5	V	7.4	1.2	3.01	186
250051004	2012	8	5	6	V	8.0	1.1	2.95	195
250051004	2012	8	5	7	V	7.8	1.3	4.1	198
250051004	2012	8	5	8	V	7.5	1.3	5.38	204
250051004	2012	8	5	9	V	7.3	1.3	5.6	202
250051004	2012	8	5	10	V	7.3	1.3	5.95	196
250051004	2012	8	5	11	V	10.6	1.3	6.3	196
250051004	2012	8	5	12	V	18.4	1.5	7.03	199
250051004	2012	8	5	13	V	16.0	1.5	7.86	194
250051004	2012	8	5	14	V	17.0	1.5	7.84	188
250051004	2012	8	5	15	V	6.5	1.4	9.29	195
250051004	2012	8	5	16	V	6.1	1.4	8.3	200

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	5	17	V	4.4	1.5	7.18	203
250051004	2012	8	5	18	V	3.7	1.5	6.65	203
250051004	2012	8	5	19	V	3.3	-999	6.04	203
250051004	2012	8	5	20	V	3.2	1.3	6.82	204
250051004	2012	8	5	21	V	3.1	1.5	7.64	208
250051004	2012	8	5	22	V	3.0	1.6	7.77	233
250051004	2012	8	5	23	V	3.1	1.5	4.39	244
250051004	2012	8	5	24	V	6.8	1.6	3.41	219
250051004	2012	8	6	1	V	9.1	1.6	4.63	220
250051004	2012	8	6	2	V	6.4	2.3	4.31	225
250051004	2012	8	6	3	V	9.1	1.7	3.12	254
250051004	2012	8	6	4	V	7.6	1.7	3.92	219
250051004	2012	8	6	5	V	7.4	1.5	1.52	189
250051004	2012	8	6	6	V	8.0	2.6	2.18	256
250051004	2012	8	6	7	V	8.3	1.7	2.11	275
250051004	2012	8	6	8	V	7.6	1.9	3.97	292
250051004	2012	8	6	9	V	41.1	1.8	4.77	322
250051004	2012	8	6	10	V	17.1	15.2	5.04	313
250051004	2012	8	6	11	V	10.6	2.7	4.83	289
250051004	2012	8	6	12	V	18.5	2.2	5.05	294
250051004	2012	8	6	13	V	16.1	2.3	5.89	300
250051004	2012	8	6	14	V	17.1	1.8	6.11	299
250051004	2012	8	6	15	V	6.5	1.8	5.89	297
250051004	2012	8	6	16	V	6.2	1.9	5.94	301
250051004	2012	8	6	17	V	32.7	1.9	5.5	319
250051004	2012	8	6	18	V	15.0	1.9	5.26	316
250051004	2012	8	6	19	V	3.3	1.8	3.47	313
250051004	2012	8	6	20	V	3.2	1.7	2.86	308
250051004	2012	8	6	21	V	3.1	1.7	2.67	300
250051004	2012	8	6	22	V	3.0	1.9	2.2	292
250051004	2012	8	6	23	V	3.1	2	1.94	297
250051004	2012	8	6	24	V	6.8	1.7	1.04	301
250051004	2012	8	7	1	V	9.1	1.6	0.75	244
250051004	2012	8	7	2	V	6.4	1.8	1.25	275
250051004	2012	8	7	3	V	9.1	1.9	1.45	281
250051004	2012	8	7	4	V	7.6	2	0.91	224
250051004	2012	8	7	5	V	7.4	1.8	0.6	219
250051004	2012	8	7	6	V	8.0	1.9	0.94	340
250051004	2012	8	7	7	V	37.3	1.7	0.91	321
250051004	2012	8	7	8	V	9.3	1.6	1.26	55
250051004	2012	8	7	9	V	8.4	1.6	1.64	121
250051004	2012	8	7	10	V	7.8	2.1	2.33	165
250051004	2012	8	7	11	V	10.7	1.6	3.44	149
250051004	2012	8	7	12	V	18.6	1.8	4.24	153
250051004	2012	8	7	13	V	16.0	3.7	6.07	153
250051004	2012	8	7	14	V	17.0	3.8	6.6	154

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	7	15	V	6.5	1.5	6.29	172
250051004	2012	8	7	16	V	6.1	1.6	5.58	197
250051004	2012	8	7	17	V	4.4	1.8	5.14	194
250051004	2012	8	7	18	V	3.7	1.8	4.27	197
250051004	2012	8	7	19	V	3.3	1.8	4.22	200
250051004	2012	8	7	20	V	3.2	1.7	3.03	208
250051004	2012	8	7	21	V	3.1	1.7	3.2	207
250051004	2012	8	7	22	V	3.0	1.8	2.89	205
250051004	2012	8	7	23	V	3.1	1.7	2.32	190
250051004	2012	8	7	24	V	6.8	1.7	1.54	195
250051004	2012	8	8	1	V	9.1	1.9	1.16	185
250051004	2012	8	8	2	V	6.4	6.8	1.5	192
250051004	2012	8	8	3	V	9.1	4.2	0.84	195
250051004	2012	8	8	4	V	7.6	1.9	1.43	216
250051004	2012	8	8	5	V	7.4	3.1	1.14	199
250051004	2012	8	8	6	V	8.0	2.2	1.3	220
250051004	2012	8	8	7	V	7.8	5	1.11	163
250051004	2012	8	8	8	V	7.9	5.3	1.4	192
250051004	2012	8	8	9	V	8.4	2.1	1.88	212
250051004	2012	8	8	10	V	8.1	2	2.16	190
250051004	2012	8	8	11	V	10.8	2.1	3.3	171
250051004	2012	8	8	12	V	18.5	2.1	5.24	154
250051004	2012	8	8	13	V	16.0	4.6	5.8	147
250051004	2012	8	8	14	V	17.0	2.1	6.02	149
250051004	2012	8	8	15	V	6.5	2	5.85	151
250051004	2012	8	8	16	V	6.1	2	6.01	193
250051004	2012	8	8	17	V	4.4	1.8	5.16	200
250051004	2012	8	8	18	V	3.7	1.7	3.83	197
250051004	2012	8	8	19	V	3.3	-999	3.41	192
250051004	2012	8	8	20	V	3.2	1.7	2.79	183
250051004	2012	8	8	21	V	3.1	1.8	2.52	203
250051004	2012	8	8	22	V	3.0	1.7	2.49	190
250051004	2012	8	8	23	V	3.1	1.7	1.16	187
250051004	2012	8	8	24	V	6.8	1.7	1.13	203
250051004	2012	8	9	1	V	9.1	1.8	1.26	175
250051004	2012	8	9	2	V	6.4	3.7	2.27	227
250051004	2012	8	9	3	V	9.1	2	1.77	270
250051004	2012	8	9	4	C	-999	1.8	0	0
250051004	2012	8	9	5	V	7.4	1.5	1.26	169
250051004	2012	8	9	6	V	8.0	1.7	0.99	210
250051004	2012	8	9	7	V	7.8	3.4	1.01	201
250051004	2012	8	9	8	V	9.3	2.7	1.74	211
250051004	2012	8	9	9	V	8.5	2	2.2	168
250051004	2012	8	9	10	V	7.7	2.2	3.22	156
250051004	2012	8	9	11	V	10.7	2.8	4.61	146
250051004	2012	8	9	12	V	18.5	4.6	6.33	153

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	9	13	V	16.0	6.6	6.4	151
250051004	2012	8	9	14	V	17.1	3	6.36	147
250051004	2012	8	9	15	V	6.5	2	6.6	153
250051004	2012	8	9	16	V	6.2	1.8	5.56	168
250051004	2012	8	9	17	V	4.5	1.9	5.75	157
250051004	2012	8	9	18	V	3.7	1.8	5.09	184
250051004	2012	8	9	19	V	3.3	1.8	4.4	192
250051004	2012	8	9	20	V	3.2	1.7	3.37	195
250051004	2012	8	9	21	V	3.1	1.7	2.74	188
250051004	2012	8	9	22	V	3.0	1.6	2.93	182
250051004	2012	8	9	23	V	3.1	1.7	3.37	205
250051004	2012	8	9	24	V	6.8	1.5	3.15	199
250051004	2012	8	10	1	V	9.1	1.7	2.72	194
250051004	2012	8	10	2	V	6.4	1.7	3.98	187
250051004	2012	8	10	3	V	9.1	3.2	2.4	175
250051004	2012	8	10	4	V	7.6	1.9	2.1	168
250051004	2012	8	10	5	V	7.4	1.8	3.08	187
250051004	2012	8	10	6	V	8.0	1.4	3.32	186
250051004	2012	8	10	7	V	7.8	2	2.71	168
250051004	2012	8	10	8	V	7.5	1.7	3.88	162
250051004	2012	8	10	9	V	7.3	2.2	5.26	153
250051004	2012	8	10	10	V	7.3	1.7	6.31	151
250051004	2012	8	10	11	V	10.6	1.6	7.38	152
250051004	2012	8	10	12	V	18.4	1.9	8.62	152
250051004	2012	8	10	13	V	16.0	1.7	7.71	153
250051004	2012	8	10	14	V	17.0	1.7	6.43	157
250051004	2012	8	10	15	V	6.5	1.8	5.97	142
250051004	2012	8	10	16	V	6.0	1.8	6.99	136
250051004	2012	8	10	17	V	4.4	1.9	4.17	185
250051004	2012	8	10	18	V	3.7	1.8	5.9	177
250051004	2012	8	10	19	V	3.3	1.9	5.53	192
250051004	2012	8	10	20	V	3.2	1.7	5.48	198
250051004	2012	8	10	21	V	3.1	1.8	4.65	202
250051004	2012	8	10	22	V	3.0	1.6	4.2	207
250051004	2012	8	10	23	V	3.1	1.9	3.39	206
250051004	2012	8	10	24	V	6.8	2	2.91	208
250051004	2012	8	11	1	V	9.1	1.9	2.66	208
250051004	2012	8	11	2	V	6.4	1.9	1.72	189
250051004	2012	8	11	3	V	9.1	1.6	0.7	187
250051004	2012	8	11	4	V	7.6	1.8	0.8	206
250051004	2012	8	11	5	V	7.4	1.8	0.97	122
250051004	2012	8	11	6	V	8.0	1.8	0.99	152
250051004	2012	8	11	7	V	7.8	1.9	1.04	250
250051004	2012	8	11	8	V	8.1	1.8	1.72	132
250051004	2012	8	11	9	V	7.6	1.9	2.74	163
250051004	2012	8	11	10	V	7.3	1.8	4.2	154

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	11	11	V	10.6	1.7	4.8	176
250051004	2012	8	11	12	V	18.5	1.8	6.18	189
250051004	2012	8	11	13	V	16.0	1.8	6.21	197
250051004	2012	8	11	14	V	17.0	1.9	6.75	189
250051004	2012	8	11	15	V	6.5	2	6.64	186
250051004	2012	8	11	16	V	6.1	1.9	5.46	203
250051004	2012	8	11	17	V	4.4	1.7	5	184
250051004	2012	8	11	18	V	3.7	1.9	5.29	198
250051004	2012	8	11	19	V	3.3	-999	4.63	207
250051004	2012	8	11	20	V	3.2	1.6	4.77	205
250051004	2012	8	11	21	V	3.1	1.8	4.03	205
250051004	2012	8	11	22	V	3.0	1.7	3.56	201
250051004	2012	8	11	23	V	3.1	1.7	4.05	193
250051004	2012	8	11	24	V	6.8	1.6	4.63	196
250051004	2012	8	12	1	V	9.1	1.7	4.2	197
250051004	2012	8	12	2	V	6.4	1.9	3.46	189
250051004	2012	8	12	3	V	9.1	1.7	2.52	181
250051004	2012	8	12	4	V	7.6	1.7	2.06	174
250051004	2012	8	12	5	V	7.4	1.7	3.23	171
250051004	2012	8	12	6	V	8.0	1.8	3.81	169
250051004	2012	8	12	7	V	7.8	1.7	3.73	173
250051004	2012	8	12	8	V	7.5	1.7	3.4	182
250051004	2012	8	12	9	V	7.4	1.7	3.57	189
250051004	2012	8	12	10	V	7.4	1.8	3.27	188
250051004	2012	8	12	11	V	10.6	1.8	3.97	176
250051004	2012	8	12	12	V	18.5	1.9	4.42	179
250051004	2012	8	12	13	V	16.0	1.8	5.1	174
250051004	2012	8	12	14	V	17.0	1.9	6.55	191
250051004	2012	8	12	15	V	6.5	1.8	6.06	188
250051004	2012	8	12	16	V	6.1	1.9	5.89	189
250051004	2012	8	12	17	V	4.4	2	5.84	197
250051004	2012	8	12	18	V	3.7	2.1	5.04	198
250051004	2012	8	12	19	V	3.3	1.9	5.1	200
250051004	2012	8	12	20	V	3.2	2	3.63	201
250051004	2012	8	12	21	V	3.1	1.8	2.39	206
250051004	2012	8	12	22	V	3.0	1.9	2.21	195
250051004	2012	8	12	23	V	3.1	2.1	1.86	208
250051004	2012	8	12	24	V	6.8	2	1.92	225
250051004	2012	8	13	1	V	9.1	1.8	1.93	240
250051004	2012	8	13	2	V	6.4	1.9	2.04	252
250051004	2012	8	13	3	V	9.1	-999	2.11	263
250051004	2012	8	13	4	V	7.6	-999	2.42	265
250051004	2012	8	13	5	V	7.4	2.8	2.56	254
250051004	2012	8	13	6	V	8.0	3.7	2.79	264
250051004	2012	8	13	7	V	7.9	2.5	2.67	277
250051004	2012	8	13	8	V	8.5	2.2	1.93	280

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	13	9	V	8.0	2.4	2.28	277
250051004	2012	8	13	10	V	7.9	2.7	2.84	253
250051004	2012	8	13	11	V	10.8	2.2	3.27	290
250051004	2012	8	13	12	V	18.6	2.2	3.59	280
250051004	2012	8	13	13	V	17.1	2.1	4.65	302
250051004	2012	8	13	14	V	17.1	1.7	4.36	288
250051004	2012	8	13	15	V	6.6	2.1	4.86	282
250051004	2012	8	13	16	V	6.4	2.1	2.66	261
250051004	2012	8	13	17	V	4.5	2.2	3.47	268
250051004	2012	8	13	18	V	3.7	2.2	4.94	236
250051004	2012	8	13	19	V	3.3	2.1	3.75	225
250051004	2012	8	13	20	V	3.2	1.9	3.05	230
250051004	2012	8	13	21	V	3.1	1.1	2.84	249
250051004	2012	8	13	22	V	3.0	2	3.1	263
250051004	2012	8	13	23	V	3.1	2.1	2.64	260
250051004	2012	8	13	24	V	6.8	2	2.35	270
250051004	2012	8	14	1	V	9.1	2.1	1.84	290
250051004	2012	8	14	2	V	6.4	2.3	2.01	283
250051004	2012	8	14	3	V	9.1	2.4	1.93	270
250051004	2012	8	14	4	V	7.6	2.2	2.59	271
250051004	2012	8	14	5	V	7.4	2.1	2.49	264
250051004	2012	8	14	6	V	8.0	2.8	3.06	271
250051004	2012	8	14	7	V	7.9	3.3	2.18	280
250051004	2012	8	14	8	V	11.5	3.5	1.64	302
250051004	2012	8	14	9	V	7.8	3.1	2.16	288
250051004	2012	8	14	10	V	7.4	3.1	3.41	288
250051004	2012	8	14	11	V	10.6	2.2	4.22	276
250051004	2012	8	14	12	V	18.5	2	4.27	276
250051004	2012	8	14	13	V	16.1	2	4.12	261
250051004	2012	8	14	14	V	17.1	1.8	4.34	297
250051004	2012	8	14	15	V	6.6	1.6	3.52	277
250051004	2012	8	14	16	V	6.3	2	2.64	256
250051004	2012	8	14	17	V	4.4	2	4.71	171
250051004	2012	8	14	18	V	3.7	1.7	3.76	220
250051004	2012	8	14	19	V	3.3	2.2	3.01	216
250051004	2012	8	14	20	V	3.2	2.3	2.98	211
250051004	2012	8	14	21	V	3.1	2.2	2.56	197
250051004	2012	8	14	22	V	3.0	2.1	1.89	203
250051004	2012	8	14	23	V	3.1	1.9	2.11	188
250051004	2012	8	14	24	V	6.8	2	1.98	204
250051004	2012	8	15	1	V	9.1	1.9	1.98	203
250051004	2012	8	15	2	V	6.4	2	1.93	186
250051004	2012	8	15	3	V	9.1	2	0.63	223
250051004	2012	8	15	4	V	7.6	1.9	1.2	120
250051004	2012	8	15	5	V	7.4	1.9	1.14	224
250051004	2012	8	15	6	V	8.0	1.9	1.89	132

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	15	7	V	7.8	2	3.37	143
250051004	2012	8	15	8	V	7.5	4	4.63	357
250051004	2012	8	15	9	V	7.3	2.1	3.22	45
250051004	2012	8	15	10	V	7.4	2.1	1.86	94
250051004	2012	8	15	11	V	14.5	2	1.37	160
250051004	2012	8	15	12	V	19.3	2	2.23	158
250051004	2012	8	15	13	V	16.3	3.7	3.1	159
250051004	2012	8	15	14	V	17.2	3.5	3.25	160
250051004	2012	8	15	15	V	6.5	2.2	3.44	159
250051004	2012	8	15	16	V	6.1	2.1	4.39	149
250051004	2012	8	15	17	V	4.4	2.1	3.44	155
250051004	2012	8	15	18	V	3.7	2	2.76	174
250051004	2012	8	15	19	V	3.3	1.9	1.59	164
250051004	2012	8	15	20	V	3.2	2	2.54	192
250051004	2012	8	15	21	V	3.1	1.8	3.85	209
250051004	2012	8	15	22	V	3.0	1.9	1.77	138
250051004	2012	8	15	23	V	3.1	2	1.52	358
250051004	2012	8	15	24	V	6.8	2.1	1.31	232
250051004	2012	8	16	1	V	9.1	2	1.55	327
250051004	2012	8	16	2	V	6.4	3.6	1.82	292
250051004	2012	8	16	3	V	9.1	3.1	2.1	283
250051004	2012	8	16	4	V	7.6	2.4	2.37	301
250051004	2012	8	16	5	V	7.4	2.2	1.26	265
250051004	2012	8	16	6	V	8.0	2.2	1.7	24
250051004	2012	8	16	7	V	8.0	2.2	2.5	344
250051004	2012	8	16	8	V	9.5	2.3	3.63	339
250051004	2012	8	16	9	V	8.0	8.7	2.88	295
250051004	2012	8	16	10	V	46.7	-999	2.96	327
250051004	2012	8	16	11	V	41.4	2.5	4.15	319
250051004	2012	8	16	12	V	60.0	7.5	4.8	329
250051004	2012	8	16	13	V	57.3	12.4	5.36	331
250051004	2012	8	16	14	V	22.5	9.2	5.14	308
250051004	2012	8	16	15	V	7.4	2.4	5.16	302
250051004	2012	8	16	16	V	6.2	2.1	5.02	296
250051004	2012	8	16	17	V	4.5	2.1	4.63	293
250051004	2012	8	16	18	V	3.7	2.3	3.75	277
250051004	2012	8	16	19	V	3.3	-999	2.73	262
250051004	2012	8	16	20	V	3.2	2.2	2.01	255
250051004	2012	8	16	21	V	3.1	2.3	2.49	260
250051004	2012	8	16	22	V	3.0	2.2	2.84	260
250051004	2012	8	16	23	V	3.1	2.3	3.27	265
250051004	2012	8	16	24	V	6.8	2.3	3.18	265
250051004	2012	8	17	1	V	9.1	2.2	3	261
250051004	2012	8	17	2	V	6.4	3.4	2.79	251
250051004	2012	8	17	3	V	9.1	2.3	2.78	260
250051004	2012	8	17	4	V	7.6	2.3	2.52	273

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	17	5	V	7.4	2.6	2.33	251
250051004	2012	8	17	6	V	8.0	6.9	1.89	249
250051004	2012	8	17	7	V	7.8	3.5	2.11	250
250051004	2012	8	17	8	V	7.5	2.7	1.57	241
250051004	2012	8	17	9	V	7.8	2.3	2.3	235
250051004	2012	8	17	10	V	7.5	2.2	3.76	216
250051004	2012	8	17	11	V	10.7	2.4	5.21	229
250051004	2012	8	17	12	V	18.6	7.4	5.36	230
250051004	2012	8	17	13	V	16.1	7	6.26	225
250051004	2012	8	17	14	V	17.1	4.4	6.57	212
250051004	2012	8	17	15	V	6.6	2.9	6.6	206
250051004	2012	8	17	16	V	6.1	2.8	6.86	213
250051004	2012	8	17	17	V	4.5	2.9	5.8	209
250051004	2012	8	17	18	V	3.7	2.8	4.44	204
250051004	2012	8	17	19	V	3.3	2.9	4.15	206
250051004	2012	8	17	20	V	3.2	2.6	3.56	202
250051004	2012	8	17	21	V	3.1	2.4	3.58	205
250051004	2012	8	17	22	V	3.0	2.5	3.03	244
250051004	2012	8	17	23	V	3.1	2.5	2.11	301
250051004	2012	8	17	24	V	6.8	2.4	1.99	330
250051004	2012	8	18	1	V	9.1	2.2	1.84	314
250051004	2012	8	18	2	V	6.4	2.4	1.81	306
250051004	2012	8	18	3	V	9.1	2.1	2.37	315
250051004	2012	8	18	4	V	7.6	2.3	3.01	299
250051004	2012	8	18	5	V	7.4	4.6	2.91	341
250051004	2012	8	18	6	V	8.0	2.4	3.68	346
250051004	2012	8	18	7	V	8.4	2	3.63	333
250051004	2012	8	18	8	V	7.5	3.3	3.78	344
250051004	2012	8	18	9	V	7.3	2.2	4.07	353
250051004	2012	8	18	10	V	7.3	2.2	3.46	349
250051004	2012	8	18	11	V	34.6	2.4	1.98	318
250051004	2012	8	18	12	V	33.1	2.3	2.03	343
250051004	2012	8	18	13	V	17.5	1.9	1.65	16
250051004	2012	8	18	14	V	17.1	2.5	2.4	279
250051004	2012	8	18	15	V	6.6	2.7	2.5	356
250051004	2012	8	18	16	V	6.9	2.5	1.45	32
250051004	2012	8	18	17	V	5.8	2.3	0.86	149
250051004	2012	8	18	18	V	4.4	2.2	0.99	4
250051004	2012	8	18	19	V	3.3	2.2	1.23	35
250051004	2012	8	18	20	V	3.2	2.2	1.26	327
250051004	2012	8	18	21	V	3.1	2.2	1.3	285
250051004	2012	8	18	22	V	3.0	2.1	1.28	268
250051004	2012	8	18	23	V	3.1	2	1.31	221
250051004	2012	8	18	24	V	6.8	2.3	1.57	276
250051004	2012	8	19	1	V	9.1	2.3	2.37	330
250051004	2012	8	19	2	V	6.4	2.3	2.83	333

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	19	3	V	9.1	2.1	2.89	322
250051004	2012	8	19	4	V	7.6	2	3.46	341
250051004	2012	8	19	5	V	7.4	2	3.73	333
250051004	2012	8	19	6	V	8.0	1.9	2.96	336
250051004	2012	8	19	7	V	19.1	2	2.91	332
250051004	2012	8	19	8	V	7.6	2	3.71	355
250051004	2012	8	19	9	V	7.4	2.2	4.05	358
250051004	2012	8	19	10	V	8.4	2.2	2.54	354
250051004	2012	8	19	11	V	11.2	2.1	1.76	66
250051004	2012	8	19	12	V	19.0	2.2	1.82	87
250051004	2012	8	19	13	V	16.1	2.1	3.27	153
250051004	2012	8	19	14	V	18.1	3.7	1.42	161
250051004	2012	8	19	15	V	6.7	15.2	2.08	284
250051004	2012	8	19	16	V	7.5	2.8	1.93	297
250051004	2012	8	19	17	V	4.5	2.6	1.86	253
250051004	2012	8	19	18	V	3.6	2.6	2.44	194
250051004	2012	8	19	19	V	3.3	-999	2.08	247
250051004	2012	8	19	20	V	3.2	2.1	2.49	265
250051004	2012	8	19	21	V	3.1	2.2	2.45	267
250051004	2012	8	19	22	V	3.0	2.7	1.57	297
250051004	2012	8	19	23	V	3.1	2.6	1.52	274
250051004	2012	8	19	24	V	6.8	2.1	2.01	283
250051004	2012	8	20	1	V	9.1	2.3	1.94	271
250051004	2012	8	20	2	V	6.4	2.5	1.43	266
250051004	2012	8	20	3	V	9.1	2.3	1.11	262
250051004	2012	8	20	4	V	7.6	2.4	1.28	266
250051004	2012	8	20	5	V	7.4	2.2	1.42	283
250051004	2012	8	20	6	V	8.0	2.2	1.31	258
250051004	2012	8	20	7	V	7.8	2.3	1.13	218
250051004	2012	8	20	8	V	8.6	2.6	1.31	294
250051004	2012	8	20	9	V	14.7	2.5	0.75	120
250051004	2012	8	20	10	V	8.9	3.4	1.35	74
250051004	2012	8	20	11	V	11.3	4.5	1.74	138
250051004	2012	8	20	12	V	18.9	2.7	2.13	128
250051004	2012	8	20	13	V	16.3	2.7	2.47	112
250051004	2012	8	20	14	V	17.2	2.6	2.95	131
250051004	2012	8	20	15	V	6.6	10.5	2.95	164
250051004	2012	8	20	16	V	6.1	10.4	3.98	172
250051004	2012	8	20	17	V	4.4	2.3	3.92	175
250051004	2012	8	20	18	V	3.7	2.4	3.54	184
250051004	2012	8	20	19	V	3.3	2.4	2.55	199
250051004	2012	8	20	20	V	3.2	2	2.64	198
250051004	2012	8	20	21	V	3.1	2.3	2.73	211
250051004	2012	8	20	22	V	3.0	2.3	2.08	205
250051004	2012	8	20	23	V	3.1	2.3	1.52	198
250051004	2012	8	20	24	V	6.8	2.2	1.57	211

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	21	1	V	9.1	2.2	1.72	252
250051004	2012	8	21	2	V	6.4	2	1.31	179
250051004	2012	8	21	3	V	9.1	3.1	1.35	201
250051004	2012	8	21	4	V	7.6	2.2	1.54	231
250051004	2012	8	21	5	V	7.4	2.3	2.15	252
250051004	2012	8	21	6	V	8.0	2.3	1.84	258
250051004	2012	8	21	7	V	7.8	2.2	1.52	273
250051004	2012	8	21	8	V	7.8	2.5	2.06	284
250051004	2012	8	21	9	V	7.7	2.8	2.71	299
250051004	2012	8	21	10	V	7.9	3	1.91	279
250051004	2012	8	21	11	V	11.4	2.8	1.74	274
250051004	2012	8	21	12	V	19.7	2.7	1.86	287
250051004	2012	8	21	13	V	16.4	3.4	3.08	292
250051004	2012	8	21	14	V	17.1	3.2	4.02	271
250051004	2012	8	21	15	V	6.6	2.2	3.42	288
250051004	2012	8	21	16	V	6.1	2.3	3.51	276
250051004	2012	8	21	17	V	4.4	2.3	4.49	289
250051004	2012	8	21	18	V	3.7	2.3	3.15	280
250051004	2012	8	21	19	V	3.3	2	1.96	268
250051004	2012	8	21	20	V	3.2	1.3	2.37	231
250051004	2012	8	21	21	V	3.1	2.2	2.79	261
250051004	2012	8	21	22	V	3.0	2	3.1	268
250051004	2012	8	21	23	V	3.1	2	2.88	262
250051004	2012	8	21	24	V	6.8	1.9	1.62	242
250051004	2012	8	22	1	V	9.1	1.9	1.93	268
250051004	2012	8	22	2	V	6.4	1.8	1.71	258
250051004	2012	8	22	3	V	9.1	2	2.18	267
250051004	2012	8	22	4	V	7.6	2.1	1.59	270
250051004	2012	8	22	5	V	7.4	2.1	1.82	264
250051004	2012	8	22	6	V	8.0	2.1	1.67	265
250051004	2012	8	22	7	V	7.8	2.2	1.14	277
250051004	2012	8	22	8	V	7.5	2.3	1.01	351
250051004	2012	8	22	9	V	7.6	2.3	1.2	24
250051004	2012	8	22	10	V	10.9	2	1.21	96
250051004	2012	8	22	11	V	11.3	2.3	1.94	139
250051004	2012	8	22	12	V	28.8	10.3	1.5	349
250051004	2012	8	22	13	V	17.5	34.5	1.77	131
250051004	2012	8	22	14	V	17.6	46.1	2.32	169
250051004	2012	8	22	15	V	6.6	3.3	4.51	183
250051004	2012	8	22	16	V	6.1	2.5	4.9	194
250051004	2012	8	22	17	V	4.4	2.2	4.44	205
250051004	2012	8	22	18	V	3.7	2.1	3.69	199
250051004	2012	8	22	19	V	3.3	-999	2.96	207
250051004	2012	8	22	20	V	3.2	2	2.84	201
250051004	2012	8	22	21	V	3.1	2.1	2.03	204
250051004	2012	8	22	22	V	3.0	1.9	2.23	218

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	22	23	V	3.1	1.9	1.6	207
250051004	2012	8	22	24	V	6.8	1.9	1.01	186
250051004	2012	8	23	1	V	9.1	2	2.35	258
250051004	2012	8	23	2	V	6.4	1.9	2.57	256
250051004	2012	8	23	3	V	9.1	1.8	1.65	237
250051004	2012	8	23	4	V	7.6	1.7	1.76	254
250051004	2012	8	23	5	V	7.4	1.8	2.37	272
250051004	2012	8	23	6	V	8.0	1.9	1.99	264
250051004	2012	8	23	7	V	7.8	2.2	2.59	269
250051004	2012	8	23	8	V	7.5	2.3	2.16	263
250051004	2012	8	23	9	V	7.6	2.2	2.44	263
250051004	2012	8	23	10	V	7.4	2.4	3.15	265
250051004	2012	8	23	11	V	10.8	2.7	2.86	233
250051004	2012	8	23	12	V	18.6	3.1	3.44	179
250051004	2012	8	23	13	V	16.1	3.8	4.42	143
250051004	2012	8	23	14	V	17.1	3	5	159
250051004	2012	8	23	15	V	6.5	2.3	5.22	156
250051004	2012	8	23	16	V	6.1	2.3	6.09	202
250051004	2012	8	23	17	V	4.4	2.2	5.38	216
250051004	2012	8	23	18	V	3.7	2.2	4.8	217
250051004	2012	8	23	19	V	3.3	2.1	3.29	218
250051004	2012	8	23	20	V	3.2	2.2	2.54	204
250051004	2012	8	23	21	V	3.1	2	2.78	226
250051004	2012	8	23	22	V	3.0	1.9	2.73	209
250051004	2012	8	23	23	V	3.1	1.9	2.79	230
250051004	2012	8	23	24	V	6.8	1.9	1.79	226
250051004	2012	8	24	1	V	9.1	1.8	1.48	230
250051004	2012	8	24	2	V	6.4	1.9	1.47	261
250051004	2012	8	24	3	V	9.1	1.9	1.45	263
250051004	2012	8	24	4	V	7.6	1.8	1.52	266
250051004	2012	8	24	5	V	7.4	1.8	1.08	269
250051004	2012	8	24	6	V	8.0	1.8	1.21	270
250051004	2012	8	24	7	V	7.9	2.6	1.13	285
250051004	2012	8	24	8	V	13.2	2.5	1.82	342
250051004	2012	8	24	9	V	7.5	2.4	2.2	41
250051004	2012	8	24	10	V	8.1	2.4	1.84	59
250051004	2012	8	24	11	V	11.5	2	2.18	115
250051004	2012	8	24	12	V	20.4	2.2	1.79	90
250051004	2012	8	24	13	V	16.9	2.9	2.08	89
250051004	2012	8	24	14	V	17.5	8.7	2.42	123
250051004	2012	8	24	15	V	6.5	4.7	4.41	155
250051004	2012	8	24	16	V	6.1	2.2	4.7	167
250051004	2012	8	24	17	V	4.5	2.2	3.1	171
250051004	2012	8	24	18	V	3.7	2.2	2.35	143
250051004	2012	8	24	19	V	3.3	2.3	2.13	145
250051004	2012	8	24	20	V	3.2	2.1	1.64	172

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	24	21	C	-999	2	0	0
250051004	2012	8	24	22	V	3.0	2.1	1.13	87
250051004	2012	8	24	23	V	3.1	1.7	0.69	77
250051004	2012	8	24	24	V	6.8	1.7	0.7	123
250051004	2012	8	25	1	V	9.1	1.5	0.77	230
250051004	2012	8	25	2	V	6.4	1.6	1.11	268
250051004	2012	8	25	3	V	9.1	1.8	1.35	262
250051004	2012	8	25	4	V	7.6	1.7	1.04	301
250051004	2012	8	25	5	V	7.4	1.6	0.72	297
250051004	2012	8	25	6	V	8.0	1.7	0.69	97
250051004	2012	8	25	7	V	7.8	1.7	1.52	105
250051004	2012	8	25	8	V	7.5	1.8	2.25	118
250051004	2012	8	25	9	V	7.3	1.9	3.46	128
250051004	2012	8	25	10	V	7.3	1.7	3.88	136
250051004	2012	8	25	11	V	10.5	1.4	2.74	127
250051004	2012	8	25	12	V	18.4	1.7	3.25	130
250051004	2012	8	25	13	V	15.9	1.7	2.71	141
250051004	2012	8	25	14	V	16.9	1.8	1.93	145
250051004	2012	8	25	15	V	6.4	1.6	2.45	137
250051004	2012	8	25	16	V	6.0	1.7	3.76	145
250051004	2012	8	25	17	V	4.3	1.8	4.48	160
250051004	2012	8	25	18	V	3.6	1.7	3.66	153
250051004	2012	8	25	19	V	3.3	-999	2.27	126
250051004	2012	8	25	20	V	3.2	1.5	1.42	105
250051004	2012	8	25	21	V	3.1	1.7	2.74	83
250051004	2012	8	25	22	V	3.0	1.6	1.62	85
250051004	2012	8	25	23	V	3.1	1.6	1.77	44
250051004	2012	8	25	24	V	6.8	1.7	1.74	52
250051004	2012	8	26	1	V	9.1	1.6	1.6	36
250051004	2012	8	26	2	V	6.4	1.5	1.26	31
250051004	2012	8	26	3	V	9.1	1.5	2.32	21
250051004	2012	8	26	4	V	7.6	1.6	2.74	25
250051004	2012	8	26	5	V	7.4	1.6	2.3	42
250051004	2012	8	26	6	V	8.0	1.5	2.18	36
250051004	2012	8	26	7	V	7.8	1.6	2.2	29
250051004	2012	8	26	8	V	7.5	1.6	1.88	36
250051004	2012	8	26	9	V	7.3	2.1	2.56	53
250051004	2012	8	26	10	V	7.3	1.7	2.45	87
250051004	2012	8	26	11	V	10.5	1.6	1.98	137
250051004	2012	8	26	12	V	18.4	1.8	2.11	140
250051004	2012	8	26	13	V	15.9	1.8	2.33	98
250051004	2012	8	26	14	V	16.9	1.9	2.86	166
250051004	2012	8	26	15	V	6.4	2	3.88	163
250051004	2012	8	26	16	V	6.0	1.8	5.07	160
250051004	2012	8	26	17	V	4.3	1.7	4.61	167
250051004	2012	8	26	18	V	3.6	1.8	3.74	166

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	26	19	V	3.3	1.7	3.42	185
250051004	2012	8	26	20	V	3.2	1.7	2.61	209
250051004	2012	8	26	21	V	3.1	1.6	1.96	213
250051004	2012	8	26	22	V	3.0	1.7	1.55	225
250051004	2012	8	26	23	V	3.1	1.5	1.91	249
250051004	2012	8	26	24	V	6.8	1.7	1.82	250
250051004	2012	8	27	1	V	9.1	1.5	1.04	251
250051004	2012	8	27	2	V	6.4	1.5	1.09	277
250051004	2012	8	27	3	V	9.1	-999	1.3	267
250051004	2012	8	27	4	V	7.6	-999	1.26	265
250051004	2012	8	27	5	V	7.4	1.6	0.99	231
250051004	2012	8	27	6	V	8.0	2	0.97	225
250051004	2012	8	27	7	V	7.8	2.2	1.45	282
250051004	2012	8	27	8	V	7.8	3.1	0.96	235
250051004	2012	8	27	9	V	7.4	2.8	1.89	184
250051004	2012	8	27	10	V	7.4	4.1	2.32	185
250051004	2012	8	27	11	V	10.5	2.8	3.85	175
250051004	2012	8	27	12	V	18.4	4	4.9	153
250051004	2012	8	27	13	V	15.9	5.3	6.38	150
250051004	2012	8	27	14	V	17.0	3.5	7.18	158
250051004	2012	8	27	15	V	6.4	2.2	6.77	174
250051004	2012	8	27	16	V	6.0	2.2	6.35	196
250051004	2012	8	27	17	V	4.3	2.2	5.68	196
250051004	2012	8	27	18	V	3.6	2.1	5.56	189
250051004	2012	8	27	19	V	3.3	2	5.27	197
250051004	2012	8	27	20	V	3.2	1.9	4.94	190
250051004	2012	8	27	21	V	3.1	1.9	5.16	201
250051004	2012	8	27	22	V	3.0	2.2	4.26	212
250051004	2012	8	27	23	V	3.1	2.2	4.41	207
250051004	2012	8	27	24	V	6.8	2.2	4	211
250051004	2012	8	28	1	V	9.1	2.3	2.98	207
250051004	2012	8	28	2	V	6.4	3	3.01	210
250051004	2012	8	28	3	V	9.1	7	3.08	215
250051004	2012	8	28	4	V	7.6	6.5	2.59	214
250051004	2012	8	28	5	V	7.4	4.8	2.55	211
250051004	2012	8	28	6	V	8.0	5.7	2.23	214
250051004	2012	8	28	7	V	7.8	6.3	1.98	195
250051004	2012	8	28	8	V	7.5	7	2.23	186
250051004	2012	8	28	9	V	7.3	7.4	3.66	202
250051004	2012	8	28	10	V	7.3	4.9	4.77	224
250051004	2012	8	28	11	V	10.5	6.3	5.55	236
250051004	2012	8	28	12	V	18.4	3.5	5.77	296
250051004	2012	8	28	13	V	30.1	2.9	5.27	325
250051004	2012	8	28	14	V	17.2	2.8	5.75	304
250051004	2012	8	28	15	V	7.2	9.3	5.29	307
250051004	2012	8	28	16	V	6.0	2.9	5.99	295

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	28	17	V	4.4	2.9	4.99	291
250051004	2012	8	28	18	V	3.7	2.7	3.9	287
250051004	2012	8	28	19	V	3.3	-999	3.78	311
250051004	2012	8	28	20	V	3.2	7.8	3.51	328
250051004	2012	8	28	21	V	3.1	2.9	1.86	285
250051004	2012	8	28	22	V	3.0	2.8	2.21	323
250051004	2012	8	28	23	V	3.1	2.7	3.3	348
250051004	2012	8	28	24	V	6.8	2.7	4.44	357
250051004	2012	8	29	1	V	9.1	2.6	5.53	5
250051004	2012	8	29	2	V	6.4	2.5	5	2
250051004	2012	8	29	3	V	9.1	2.3	3.9	351
250051004	2012	8	29	4	V	7.6	2.3	3.25	346
250051004	2012	8	29	5	V	7.4	2.4	3.56	345
250051004	2012	8	29	6	V	8.0	2.3	4.1	344
250051004	2012	8	29	7	V	7.8	2.4	4.97	350
250051004	2012	8	29	8	V	7.5	2.3	4.94	348
250051004	2012	8	29	9	V	7.3	2.2	5.51	339
250051004	2012	8	29	10	V	7.3	2.3	5.43	336
250051004	2012	8	29	11	V	10.5	2.3	5	342
250051004	2012	8	29	12	V	18.4	2.3	4.17	342
250051004	2012	8	29	13	V	15.9	2.3	4.39	340
250051004	2012	8	29	14	V	16.9	2.1	4.41	343
250051004	2012	8	29	15	V	6.4	2.4	3.86	343
250051004	2012	8	29	16	V	6.0	2.5	3.93	319
250051004	2012	8	29	17	V	4.3	2.4	3.59	318
250051004	2012	8	29	18	V	3.6	2.4	3.4	289
250051004	2012	8	29	19	V	3.3	2.4	2.33	275
250051004	2012	8	29	20	V	3.2	2.4	1.89	259
250051004	2012	8	29	21	V	3.1	2.2	2.9	263
250051004	2012	8	29	22	V	3.0	2.2	2.3	270
250051004	2012	8	29	23	V	3.1	2.3	2.35	267
250051004	2012	8	29	24	V	6.8	2.4	1.91	266
250051004	2012	8	30	1	V	9.1	3.2	1.82	261
250051004	2012	8	30	2	V	6.4	3.5	1.86	257
250051004	2012	8	30	3	V	9.1	3.1	2.54	257
250051004	2012	8	30	4	V	7.6	3	2.55	267
250051004	2012	8	30	5	V	7.4	3.1	2.06	264
250051004	2012	8	30	6	V	8.0	3.1	1.76	265
250051004	2012	8	30	7	V	7.8	3.7	2.08	263
250051004	2012	8	30	8	V	7.5	4.1	1.79	243
250051004	2012	8	30	9	V	7.3	3.6	2.57	269
250051004	2012	8	30	10	V	7.3	2.9	2.49	255
250051004	2012	8	30	11	V	10.5	2.3	4.44	261
250051004	2012	8	30	12	V	18.4	2.2	4.32	247
250051004	2012	8	30	13	V	15.9	2.2	4.58	245
250051004	2012	8	30	14	V	16.9	2.4	5.46	262

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	8	30	15	V	6.4	2.2	5.65	250
250051004	2012	8	30	16	V	6.0	2.5	5.5	259
250051004	2012	8	30	17	V	4.3	2.7	5.67	263
250051004	2012	8	30	18	V	3.6	2.5	4.08	231
250051004	2012	8	30	19	V	3.3	2.6	3.56	222
250051004	2012	8	30	20	V	3.2	2.6	4.6	243
250051004	2012	8	30	21	V	3.1	2.4	3.81	257
250051004	2012	8	30	22	V	3.0	2.4	4.43	262
250051004	2012	8	30	23	V	3.1	2.4	4.8	263
250051004	2012	8	30	24	V	6.8	2.4	5.47	252
250051004	2012	8	31	1	V	9.1	2.4	2.61	259
250051004	2012	8	31	2	V	6.4	2.3	1.03	181
250051004	2012	8	31	3	V	9.1	2.5	1.08	139
250051004	2012	8	31	4	V	7.6	3.1	1.53	216
250051004	2012	8	31	5	V	7.4	3.3	3.85	262
250051004	2012	8	31	6	V	8.0	3.4	3.08	238
250051004	2012	8	31	7	V	7.8	3.9	3.42	243
250051004	2012	8	31	8	V	7.5	3.8	4.31	255
250051004	2012	8	31	9	V	7.3	3.8	4.09	254
250051004	2012	8	31	10	V	7.3	3.8	3.76	241
250051004	2012	8	31	11	V	10.6	3.6	4.92	258
250051004	2012	8	31	12	V	18.4	3.9	6.02	258
250051004	2012	8	31	13	V	16.0	3.7	6.48	259
250051004	2012	8	31	14	V	17.0	3.9	5.84	243
250051004	2012	8	31	15	V	6.5	7.9	6.16	215
250051004	2012	8	31	16	V	6.1	6.7	5.55	228
250051004	2012	8	31	17	V	4.4	4.3	5.12	219
250051004	2012	8	31	18	V	3.7	3.8	3.73	212
250051004	2012	8	31	19	V	3.3	-999	3.59	204
250051004	2012	8	31	20	V	3.2	3.2	4.37	231
250051004	2012	8	31	21	V	3.1	3.3	4.39	227
250051004	2012	8	31	22	V	3.0	3.2	3.9	243
250051004	2012	8	31	23	V	3.1	3.2	4.12	248
250051004	2012	8	31	24	V	6.8	3.2	3.71	253
250051004	2012	9	1	1	V	9.4	3.7	4.25	257
250051004	2012	9	1	2	V	7.1	4	4.71	267
250051004	2012	9	1	3	V	9.1	3.8	4.48	276
250051004	2012	9	1	4	V	12.2	3.9	2.59	328
250051004	2012	9	1	5	V	10.4	3.8	1.42	311
250051004	2012	9	1	6	V	11.0	3.8	2.3	342
250051004	2012	9	1	7	V	11.3	3.7	4.03	8
250051004	2012	9	1	8	V	8.3	3.4	4.8	28
250051004	2012	9	1	9	V	8.2	2.8	5.7	38
250051004	2012	9	1	10	V	9.4	2.7	4.94	49
250051004	2012	9	1	11	V	7.5	2	4.99	52
250051004	2012	9	1	12	V	8.9	2.5	5.29	41

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	1	13	V	7.5	2.2	4.65	49
250051004	2012	9	1	14	V	7.0	2.3	4.51	75
250051004	2012	9	1	15	V	4.0	2.3	5.77	94
250051004	2012	9	1	16	V	3.7	2.5	5.67	79
250051004	2012	9	1	17	V	3.0	2.3	5.19	69
250051004	2012	9	1	18	V	2.7	2	4.53	77
250051004	2012	9	1	19	V	2.9	2.1	3.34	83
250051004	2012	9	1	20	V	2.7	2.1	2.67	88
250051004	2012	9	1	21	V	2.7	2.2	2.69	69
250051004	2012	9	1	22	V	2.6	2	2.59	60
250051004	2012	9	1	23	V	2.6	2.1	2.66	58
250051004	2012	9	1	24	V	7.9	2.1	2.55	56
250051004	2012	9	2	1	V	9.4	2	2.39	54
250051004	2012	9	2	2	V	7.1	2.2	2.4	60
250051004	2012	9	2	3	V	9.1	2.1	1.48	68
250051004	2012	9	2	4	V	12.2	2.2	1.67	38
250051004	2012	9	2	5	V	10.4	2	1.45	22
250051004	2012	9	2	6	V	11.0	2.3	1.57	16
250051004	2012	9	2	7	V	11.3	2.3	0.7	13
250051004	2012	9	2	8	V	8.3	2	1.79	87
250051004	2012	9	2	9	V	8.2	2.1	3.47	152
250051004	2012	9	2	10	V	9.4	2	3.68	156
250051004	2012	9	2	11	V	7.5	2.1	3.2	147
250051004	2012	9	2	12	V	8.9	2.2	4.2	134
250051004	2012	9	2	13	V	7.5	2.1	4.56	145
250051004	2012	9	2	14	V	7.0	2.2	4.6	145
250051004	2012	9	2	15	V	4.0	2.2	5.87	147
250051004	2012	9	2	16	V	3.7	2.2	4.76	152
250051004	2012	9	2	17	V	3.0	2.2	4.46	166
250051004	2012	9	2	18	V	2.7	2.1	2.98	136
250051004	2012	9	2	19	V	2.9	2.2	1.82	120
250051004	2012	9	2	20	V	2.7	2.1	1.43	88
250051004	2012	9	2	21	V	2.7	1.9	1.28	265
250051004	2012	9	2	22	V	2.6	2	2.22	351
250051004	2012	9	2	23	V	2.6	2.1	2.86	16
250051004	2012	9	2	24	V	7.9	2	2.47	18
250051004	2012	9	3	1	V	9.4	2	2.32	359
250051004	2012	9	3	2	V	7.1	2	2.28	359
250051004	2012	9	3	3	V	9.1	1.9	2.38	360
250051004	2012	9	3	4	V	12.2	1.9	2.03	349
250051004	2012	9	3	5	V	10.4	2	2.11	352
250051004	2012	9	3	6	V	11.0	1.8	2.37	30
250051004	2012	9	3	7	V	11.3	2.3	2.2	21
250051004	2012	9	3	8	V	8.3	2.3	2.54	42
250051004	2012	9	3	9	V	8.2	1.9	3.27	68
250051004	2012	9	3	10	V	9.4	1.8	3.27	65

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	3	11	V	7.5	1.9	2.18	83
250051004	2012	9	3	12	V	8.9	2	2.64	124
250051004	2012	9	3	13	V	7.5	2	4.03	150
250051004	2012	9	3	14	V	7.0	1.9	5.12	172
250051004	2012	9	3	15	V	4.0	2.1	5.73	169
250051004	2012	9	3	16	V	3.7	2	5.82	158
250051004	2012	9	3	17	V	3.0	2	4.85	161
250051004	2012	9	3	18	V	2.7	2	4.24	164
250051004	2012	9	3	19	V	2.9	-999	3.71	154
250051004	2012	9	3	20	V	2.7	1.9	2.86	135
250051004	2012	9	3	21	V	2.7	1.8	1.64	143
250051004	2012	9	3	22	V	2.6	2	2.57	141
250051004	2012	9	3	23	V	2.6	2	2.37	144
250051004	2012	9	3	24	V	7.9	2	1.71	123
250051004	2012	9	4	1	V	9.4	1.9	2.37	140
250051004	2012	9	4	2	V	7.1	1.9	2.67	142
250051004	2012	9	4	3	V	9.1	2	1.99	131
250051004	2012	9	4	4	V	12.2	2.1	1.48	133
250051004	2012	9	4	5	V	10.4	1.9	2.42	135
250051004	2012	9	4	6	V	11.0	1.9	2.38	125
250051004	2012	9	4	7	V	11.3	1.9	2.64	132
250051004	2012	9	4	8	V	8.3	2.1	2.79	134
250051004	2012	9	4	9	V	8.2	2.1	3.97	135
250051004	2012	9	4	10	V	9.4	2.3	3.88	140
250051004	2012	9	4	11	V	7.5	2.3	3.73	162
250051004	2012	9	4	12	V	8.9	2.3	3.56	163
250051004	2012	9	4	13	V	7.5	1.9	4.27	163
250051004	2012	9	4	14	V	7.1	2.2	2.03	168
250051004	2012	9	4	15	V	4.0	2	2.74	157
250051004	2012	9	4	16	V	3.7	2.3	2.74	160
250051004	2012	9	4	17	V	3.1	2.4	2.96	173
250051004	2012	9	4	18	V	2.7	2.3	3.47	175
250051004	2012	9	4	19	V	2.9	2.2	3.46	169
250051004	2012	9	4	20	V	2.7	2.4	2.66	167
250051004	2012	9	4	21	V	2.7	2.4	2.88	184
250051004	2012	9	4	22	V	2.6	2.2	3	178
250051004	2012	9	4	23	V	2.6	2.4	3.98	181
250051004	2012	9	4	24	V	7.9	2.3	4.78	182
250051004	2012	9	5	1	V	9.4	2.5	5.84	196
250051004	2012	9	5	2	V	7.1	3.5	6.23	197
250051004	2012	9	5	3	V	9.1	5.5	6.62	201
250051004	2012	9	5	4	V	12.2	6.9	6.84	203
250051004	2012	9	5	5	V	10.4	4.9	5.97	206
250051004	2012	9	5	6	V	11.0	3.8	6.43	208
250051004	2012	9	5	7	V	11.3	3.8	5.53	212
250051004	2012	9	5	8	V	8.3	3.9	5.43	215

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	5	9	V	8.2	3.7	4.9	207
250051004	2012	9	5	10	V	9.4	3.5	4.24	201
250051004	2012	9	5	11	V	7.5	3.1	3.41	200
250051004	2012	9	5	12	V	9.0	2.9	2.2	209
250051004	2012	9	5	13	V	7.6	4.7	2.84	296
250051004	2012	9	5	14	V	7.3	4	1.76	272
250051004	2012	9	5	15	V	4.1	3.4	2.28	258
250051004	2012	9	5	16	V	3.9	3.5	2.1	263
250051004	2012	9	5	17	V	3.3	3.2	1.57	242
250051004	2012	9	5	18	V	2.7	3	2.04	170
250051004	2012	9	5	19	V	2.9	2.9	1.25	152
250051004	2012	9	5	20	V	2.7	2.7	0.69	113
250051004	2012	9	5	21	V	2.7	2.8	2.62	47
250051004	2012	9	5	22	V	2.6	2.6	3.78	43
250051004	2012	9	5	23	V	2.6	2.6	2.33	30
250051004	2012	9	5	24	V	7.9	2.6	1.64	18
250051004	2012	9	6	1	V	9.4	2.5	1.45	356
250051004	2012	9	6	2	V	7.1	2.6	1.67	3
250051004	2012	9	6	3	V	9.1	2.6	1.69	3
250051004	2012	9	6	4	V	12.2	2.5	1.26	349
250051004	2012	9	6	5	V	10.4	2.3	0.65	263
250051004	2012	9	6	6	V	11.0	2.6	0.62	229
250051004	2012	9	6	7	V	12.5	2.8	0.67	86
250051004	2012	9	6	8	V	9.0	2.7	1.13	93
250051004	2012	9	6	9	V	8.5	2.6	1.79	134
250051004	2012	9	6	10	V	10.1	5	1.47	213
250051004	2012	9	6	11	V	8.5	28.8	1.23	270
250051004	2012	9	6	12	V	9.1	44.4	2.37	116
250051004	2012	9	6	13	V	7.7	7.1	2.55	170
250051004	2012	9	6	14	V	7.0	3.8	4.73	155
250051004	2012	9	6	15	V	4.0	3.1	4.68	161
250051004	2012	9	6	16	V	3.7	2.9	3.98	165
250051004	2012	9	6	17	V	3.1	2.7	4.17	172
250051004	2012	9	6	18	V	2.7	2.8	3.05	172
250051004	2012	9	6	19	V	2.9	-999	3.01	190
250051004	2012	9	6	20	V	2.7	2.4	2.47	197
250051004	2012	9	6	21	V	2.7	2.4	2.37	199
250051004	2012	9	6	22	V	2.6	2.5	3.2	200
250051004	2012	9	6	23	V	2.6	2.5	2.25	202
250051004	2012	9	6	24	V	7.9	2.5	1.26	185
250051004	2012	9	7	1	V	9.4	2.5	1.37	177
250051004	2012	9	7	2	V	7.1	2.5	1.99	164
250051004	2012	9	7	3	V	9.1	3.1	2.52	184
250051004	2012	9	7	4	V	12.2	2.6	2.52	185
250051004	2012	9	7	5	V	10.4	2.6	1.91	178
250051004	2012	9	7	6	V	11.0	2.6	2.04	189

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	7	7	V	11.3	3.9	2.25	200
250051004	2012	9	7	8	V	8.3	5	1.67	208
250051004	2012	9	7	9	V	8.5	4	1.35	235
250051004	2012	9	7	10	V	9.9	5.2	1.2	154
250051004	2012	9	7	11	V	7.9	4.7	1.72	160
250051004	2012	9	7	12	V	9.1	4	2.38	156
250051004	2012	9	7	13	V	7.6	3.6	3.4	149
250051004	2012	9	7	14	V	7.1	3.9	4.59	145
250051004	2012	9	7	15	V	4.1	3.3	5.33	187
250051004	2012	9	7	16	V	3.7	3.2	5.71	195
250051004	2012	9	7	17	V	3.1	3.1	5.38	192
250051004	2012	9	7	18	V	2.7	3	4.43	202
250051004	2012	9	7	19	V	2.9	2.8	3.68	194
250051004	2012	9	7	20	V	2.7	2.3	3.13	185
250051004	2012	9	7	21	V	2.7	2.5	2.78	169
250051004	2012	9	7	22	V	2.6	2.2	3.07	180
250051004	2012	9	7	23	V	2.6	2.5	3.1	171
250051004	2012	9	7	24	V	7.9	2.5	3.63	178
250051004	2012	9	8	1	V	9.4	2.6	3.71	192
250051004	2012	9	8	2	V	7.1	2.4	4.56	197
250051004	2012	9	8	3	V	9.1	2.4	3.88	192
250051004	2012	9	8	4	V	12.2	2.6	4.02	190
250051004	2012	9	8	5	V	10.4	1.9	3.47	181
250051004	2012	9	8	6	V	11.0	2.6	3.97	169
250051004	2012	9	8	7	V	11.3	2.7	3.98	181
250051004	2012	9	8	8	V	8.3	2.8	5.14	182
250051004	2012	9	8	9	V	8.2	2.8	6.63	182
250051004	2012	9	8	10	V	9.4	2.7	7.11	178
250051004	2012	9	8	11	V	7.5	2.7	7.45	165
250051004	2012	9	8	12	V	8.9	2.6	7.88	166
250051004	2012	9	8	13	V	7.5	2.7	8.73	170
250051004	2012	9	8	14	V	7.0	2.8	8.95	171
250051004	2012	9	8	15	V	4.0	2.9	8.71	174
250051004	2012	9	8	16	V	3.7	2.9	8.03	173
250051004	2012	9	8	17	V	3.0	2.9	7.81	178
250051004	2012	9	8	18	V	2.7	2.9	8.54	182
250051004	2012	9	8	19	V	2.9	3.1	9.17	191
250051004	2012	9	8	20	V	2.7	2.9	8.69	199
250051004	2012	9	8	21	V	2.7	2.9	6.69	221
250051004	2012	9	8	22	V	2.6	3	3.69	285
250051004	2012	9	8	23	V	2.6	2.8	4.03	310
250051004	2012	9	8	24	V	7.9	2.8	3.13	315
250051004	2012	9	9	1	V	9.4	2.5	2.78	301
250051004	2012	9	9	2	V	7.1	2.9	3.13	294
250051004	2012	9	9	3	V	9.1	2.8	1.84	323
250051004	2012	9	9	4	V	12.2	2.9	1.28	224

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	9	5	V	10.4	2.8	2.52	285
250051004	2012	9	9	6	V	11.0	2.8	2.79	296
250051004	2012	9	9	7	V	11.3	2.9	2.32	282
250051004	2012	9	9	8	V	8.3	2.9	2.49	288
250051004	2012	9	9	9	V	8.2	2.9	3.18	308
250051004	2012	9	9	10	V	9.4	3	3.54	337
250051004	2012	9	9	11	V	7.5	2.8	2.78	331
250051004	2012	9	9	12	V	8.9	2.8	2.95	348
250051004	2012	9	9	13	V	7.5	2.9	3	338
250051004	2012	9	9	14	V	7.0	2.9	2.91	356
250051004	2012	9	9	15	V	4.0	2.8	2.9	30
250051004	2012	9	9	16	V	3.7	2.9	2.86	91
250051004	2012	9	9	17	V	3.0	2.7	2.5	127
250051004	2012	9	9	18	V	2.7	2.9	1.79	147
250051004	2012	9	9	19	V	2.9	-999	1.53	210
250051004	2012	9	9	20	V	2.7	2.8	1.3	255
250051004	2012	9	9	21	V	2.7	2.9	1.28	255
250051004	2012	9	9	22	V	2.6	2.8	0.69	40
250051004	2012	9	9	23	V	2.6	2.7	1.4	1
250051004	2012	9	9	24	V	7.9	2.7	2.4	334
250051004	2012	9	10	1	V	9.4	2.6	2.03	326
250051004	2012	9	10	2	V	7.1	2	1.6	317
250051004	2012	9	10	3	V	9.1	-999	2.18	331
250051004	2012	9	10	4	V	12.2	-999	4.03	345
250051004	2012	9	10	5	V	10.4	2.4	4.68	353
250051004	2012	9	10	6	V	11.0	2.7	5.09	352
250051004	2012	9	10	7	V	11.3	2.7	4.95	356
250051004	2012	9	10	8	V	8.3	2.6	4.88	345
250051004	2012	9	10	9	V	8.2	2.7	6.55	349
250051004	2012	9	10	10	V	9.4	2.7	5.99	345
250051004	2012	9	10	11	V	7.5	2.6	6.35	343
250051004	2012	9	10	12	V	8.9	2.9	6.06	341
250051004	2012	9	10	13	V	7.5	-999	6.43	341
250051004	2012	9	10	14	V	7.0	0	6.48	342
250051004	2012	9	10	15	V	4.0	0.9	6.82	340
250051004	2012	9	10	16	V	3.7	0.9	6.55	339
250051004	2012	9	10	17	V	3.0	0.9	5.09	333
250051004	2012	9	10	18	V	2.7	0.9	5	339
250051004	2012	9	10	19	V	2.9	0.6	4.19	329
250051004	2012	9	10	20	V	2.7	0.9	3.27	332
250051004	2012	9	10	21	V	2.7	0.7	3.93	342
250051004	2012	9	10	22	V	2.6	0.7	2.91	324
250051004	2012	9	10	23	V	2.6	0.6	2.49	287
250051004	2012	9	10	24	V	7.9	0.6	3.61	303
250051004	2012	9	11	1	V	9.4	0.7	4.49	313
250051004	2012	9	11	2	V	7.1	0.4	3.58	302

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	11	3	V	9.1	0.5	3	305
250051004	2012	9	11	4	V	12.2	0.4	3.18	301
250051004	2012	9	11	5	V	10.4	0.4	3.01	304
250051004	2012	9	11	6	V	11.0	0.5	2.72	301
250051004	2012	9	11	7	V	11.3	0.8	3.66	318
250051004	2012	9	11	8	V	8.3	0.6	4.29	342
250051004	2012	9	11	9	V	8.2	0.4	3.8	348
250051004	2012	9	11	10	V	9.4	0.5	2.18	359
250051004	2012	9	11	11	V	7.5	0.5	1.79	324
250051004	2012	9	11	12	V	8.9	0.4	2.06	306
250051004	2012	9	11	13	V	7.5	0.5	1.93	311
250051004	2012	9	11	14	V	7.0	0.5	1.82	274
250051004	2012	9	11	15	V	4.0	0.6	3.22	161
250051004	2012	9	11	16	V	3.7	0.8	4.63	162
250051004	2012	9	11	17	V	3.0	0.7	5.17	177
250051004	2012	9	11	18	V	2.7	0.5	4.85	198
250051004	2012	9	11	19	V	2.9	0.6	2.73	213
250051004	2012	9	11	20	V	2.7	0.4	2.4	224
250051004	2012	9	11	21	V	2.7	0.3	2.37	242
250051004	2012	9	11	22	V	2.6	0.3	1.98	237
250051004	2012	9	11	23	V	2.6	0.3	1.82	244
250051004	2012	9	11	24	V	7.9	0.2	1.26	258
250051004	2012	9	12	1	V	9.4	0.3	2.32	267
250051004	2012	9	12	2	V	7.1	0.3	1.67	242
250051004	2012	9	12	3	V	9.1	0.3	1.53	263
250051004	2012	9	12	4	V	12.2	0.2	1.25	257
250051004	2012	9	12	5	V	10.4	0.1	1.35	246
250051004	2012	9	12	6	V	11.0	0.3	1.28	249
250051004	2012	9	12	7	V	11.3	0.7	0.91	239
250051004	2012	9	12	8	V	8.3	0.6	1.11	208
250051004	2012	9	12	9	V	8.2	0.4	0.87	181
250051004	2012	9	12	10	V	9.4	0.6	1.96	211
250051004	2012	9	12	11	V	7.5	0.4	2.23	169
250051004	2012	9	12	12	V	8.9	0.6	3.37	164
250051004	2012	9	12	13	V	7.5	0.5	4.54	158
250051004	2012	9	12	14	V	7.0	-999	6.28	158
250051004	2012	9	12	15	V	4.0	-999	5.9	153
250051004	2012	9	12	16	V	3.7	-999	5.58	150
250051004	2012	9	12	17	V	3.0	-999	4.99	168
250051004	2012	9	12	18	V	2.7	0.4	4.58	188
250051004	2012	9	12	19	V	2.9	-999	3.22	190
250051004	2012	9	12	20	V	2.7	0	3	204
250051004	2012	9	12	21	V	2.7	0.2	2.78	200
250051004	2012	9	12	22	V	2.6	0.1	2.04	201
250051004	2012	9	12	23	V	2.6	0.3	1.18	199
250051004	2012	9	12	24	V	7.9	0.2	1.37	216

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	13	1	V	9.4	0.1	1.26	198
250051004	2012	9	13	2	V	7.1	0.2	1.06	202
250051004	2012	9	13	3	V	9.1	0.2	0.8	224
250051004	2012	9	13	4	V	12.2	0.4	0.7	168
250051004	2012	9	13	5	C	-999	0.5	0	0
250051004	2012	9	13	6	V	11.0	0.4	0.7	196
250051004	2012	9	13	7	V	11.3	1.8	1.03	190
250051004	2012	9	13	8	V	8.4	1.1	1.72	186
250051004	2012	9	13	9	V	8.2	1.3	3.47	226
250051004	2012	9	13	10	V	9.5	1.4	3.07	232
250051004	2012	9	13	11	V	7.5	3.9	3.32	233
250051004	2012	9	13	12	V	8.9	4.7	4.2	171
250051004	2012	9	13	13	V	7.5	4.9	4.27	150
250051004	2012	9	13	14	V	7.1	1.6	3.66	207
250051004	2012	9	13	15	V	4.0	0.6	6.09	180
250051004	2012	9	13	16	V	3.7	0.6	6.09	188
250051004	2012	9	13	17	V	3.0	0.5	5.48	190
250051004	2012	9	13	18	V	2.7	0.5	4.7	198
250051004	2012	9	13	19	V	2.9	0.3	3.56	203
250051004	2012	9	13	20	V	2.7	0.4	2.93	206
250051004	2012	9	13	21	V	2.7	0.4	2.74	203
250051004	2012	9	13	22	V	2.6	0.5	2.79	203
250051004	2012	9	13	23	V	2.6	0.4	2.49	201
250051004	2012	9	13	24	V	7.9	0.5	1.62	213
250051004	2012	9	14	1	V	9.4	0.2	1.94	211
250051004	2012	9	14	2	V	7.1	0.3	2.01	212
250051004	2012	9	14	3	V	9.1	0.3	1.74	205
250051004	2012	9	14	4	V	12.2	0.4	1.65	210
250051004	2012	9	14	5	V	10.4	0.2	2.04	215
250051004	2012	9	14	6	V	11.0	0.2	0.72	184
250051004	2012	9	14	7	V	11.3	1.6	0.99	181
250051004	2012	9	14	8	V	8.3	1.1	1.57	215
250051004	2012	9	14	9	V	8.2	2.1	3.03	220
250051004	2012	9	14	10	V	9.4	4.5	2.81	195
250051004	2012	9	14	11	V	7.5	4.5	4.49	164
250051004	2012	9	14	12	V	8.9	4.1	5.17	145
250051004	2012	9	14	13	V	7.5	3.6	4.85	182
250051004	2012	9	14	14	V	7.0	1.8	6.3	150
250051004	2012	9	14	15	V	4.0	0.8	6.24	160
250051004	2012	9	14	16	V	3.7	0.8	6.46	181
250051004	2012	9	14	17	V	3.0	0.6	6.38	191
250051004	2012	9	14	18	V	2.7	0.8	4.66	196
250051004	2012	9	14	19	V	2.9	0.9	3.47	197
250051004	2012	9	14	20	V	2.7	0.8	2.55	195
250051004	2012	9	14	21	V	2.7	0.7	2.23	194
250051004	2012	9	14	22	V	2.6	0.6	1.74	189

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	14	23	V	2.6	0.6	2.01	190
250051004	2012	9	14	24	V	7.9	0.5	1.86	172
250051004	2012	9	15	1	V	9.4	0.6	1.96	237
250051004	2012	9	15	2	V	7.1	0.6	1.5	236
250051004	2012	9	15	3	V	9.1	0.6	1.76	188
250051004	2012	9	15	4	V	12.2	0.6	1.57	244
250051004	2012	9	15	5	V	10.4	0.5	2.64	238
250051004	2012	9	15	6	V	11.0	0.5	1.71	273
250051004	2012	9	15	7	V	11.3	0.8	2.35	257
250051004	2012	9	15	8	V	8.3	0.8	3.69	296
250051004	2012	9	15	9	V	9.6	4	4.94	317
250051004	2012	9	15	10	V	15.9	25.7	4.53	323
250051004	2012	9	15	11	V	12.2	42.9	4.82	318
250051004	2012	9	15	12	V	9.6	10.3	5.72	309
250051004	2012	9	15	13	V	11.6	3.6	6.28	318
250051004	2012	9	15	14	V	13.4	3	6.31	322
250051004	2012	9	15	15	V	4.5	4.6	6.01	308
250051004	2012	9	15	16	V	4.0	5.1	6.11	308
250051004	2012	9	15	17	V	7.6	4.1	5.16	319
250051004	2012	9	15	18	V	2.7	5.3	4.12	298
250051004	2012	9	15	19	V	2.9	-999	3.95	300
250051004	2012	9	15	20	V	2.7	0.9	3.42	298
250051004	2012	9	15	21	V	2.7	1.3	2.47	312
250051004	2012	9	15	22	V	2.6	2.1	2.27	309
250051004	2012	9	15	23	V	2.6	1.3	1.62	289
250051004	2012	9	15	24	V	7.9	1.1	1.55	270
250051004	2012	9	16	1	V	9.4	1	2.01	270
250051004	2012	9	16	2	V	7.1	1	2.69	268
250051004	2012	9	16	3	V	9.1	0.8	2.1	270
250051004	2012	9	16	4	V	12.2	0.8	1.82	259
250051004	2012	9	16	5	V	10.4	0.8	2.33	263
250051004	2012	9	16	6	V	11.0	0.7	1.7	269
250051004	2012	9	16	7	V	11.3	1	2.13	250
250051004	2012	9	16	8	V	8.3	0.9	2.01	291
250051004	2012	9	16	9	V	8.2	0.8	3.63	289
250051004	2012	9	16	10	V	9.4	0.9	4.65	274
250051004	2012	9	16	11	V	7.5	0.8	5.36	297
250051004	2012	9	16	12	V	8.9	0.6	5.38	296
250051004	2012	9	16	13	V	7.5	0.9	4.87	300
250051004	2012	9	16	14	V	7.0	0.9	4.85	286
250051004	2012	9	16	15	V	4.0	1	4.39	292
250051004	2012	9	16	16	V	3.7	1	4.65	281
250051004	2012	9	16	17	V	3.0	0.9	5.02	275
250051004	2012	9	16	18	V	2.7	1	3.34	275
250051004	2012	9	16	19	V	2.9	1	1.86	274
250051004	2012	9	16	20	V	2.7	1.3	1.64	242

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	16	21	V	2.7	1.1	1.08	203
250051004	2012	9	16	22	V	2.6	1.1	2.2	261
250051004	2012	9	16	23	V	2.6	0.8	2.38	262
250051004	2012	9	16	24	V	7.9	0.7	1.99	273
250051004	2012	9	17	1	V	9.4	0.8	1.59	263
250051004	2012	9	17	2	V	7.1	1	1.79	278
250051004	2012	9	17	3	V	9.1	0.1	1.59	274
250051004	2012	9	17	4	V	12.2	0.9	1.86	274
250051004	2012	9	17	5	V	10.4	0.9	1.21	164
250051004	2012	9	17	6	V	11.0	1.2	1.65	270
250051004	2012	9	17	7	V	11.3	1.6	1.08	267
250051004	2012	9	17	8	V	8.3	1.9	0.53	56
250051004	2012	9	17	9	V	8.2	1.7	1.06	46
250051004	2012	9	17	10	V	9.4	1.3	2.23	289
250051004	2012	9	17	11	V	7.5	1.5	2.13	255
250051004	2012	9	17	12	V	8.9	1.5	2.91	252
250051004	2012	9	17	13	V	7.5	1.5	2.49	254
250051004	2012	9	17	14	V	7.0	1.9	2.03	203
250051004	2012	9	17	15	V	4.0	1.1	4.14	149
250051004	2012	9	17	16	V	3.7	1.2	4.15	142
250051004	2012	9	17	17	V	3.0	1.2	4.05	167
250051004	2012	9	17	18	V	2.7	1	3.98	202
250051004	2012	9	17	19	V	2.9	1.1	2.78	210
250051004	2012	9	17	20	V	2.7	0.9	2.28	205
250051004	2012	9	17	21	V	2.7	1	2.32	194
250051004	2012	9	17	22	V	2.6	1	2.33	205
250051004	2012	9	17	23	V	2.6	0.9	0.91	186
250051004	2012	9	17	24	V	7.9	0.8	0.65	187
250051004	2012	9	18	1	C	-999	0.6	0	0
250051004	2012	9	18	2	C	-999	0.7	0	0
250051004	2012	9	18	3	C	-999	0.8	0	0
250051004	2012	9	18	4	C	-999	0.8	0	0
250051004	2012	9	18	5	V	10.4	1.1	0.69	121
250051004	2012	9	18	6	V	11.0	0.9	0.63	225
250051004	2012	9	18	7	V	11.3	1	1.03	205
250051004	2012	9	18	8	V	8.3	1	2.76	168
250051004	2012	9	18	9	V	8.2	1	5.67	156
250051004	2012	9	18	10	V	9.4	1.1	7.13	158
250051004	2012	9	18	11	V	7.5	1.1	7.71	157
250051004	2012	9	18	12	V	8.9	1.1	7.86	162
250051004	2012	9	18	13	V	7.5	1.1	8.45	164
250051004	2012	9	18	14	V	7.0	1.1	8.37	165
250051004	2012	9	18	15	V	4.0	1.1	8.74	168
250051004	2012	9	18	16	V	3.7	1.1	9.44	176
250051004	2012	9	18	17	V	3.0	1.1	10.03	173
250051004	2012	9	18	18	V	2.7	1.2	10.65	173

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	18	19	V	2.9	-999	10.44	175
250051004	2012	9	18	20	V	2.7	1.1	10.31	174
250051004	2012	9	18	21	V	2.7	1.1	11.74	174
250051004	2012	9	18	22	V	2.6	1.2	10.78	175
250051004	2012	9	18	23	V	2.6	1.2	11.23	176
250051004	2012	9	18	24	V	7.9	1.2	11.8	179
250051004	2012	9	19	1	V	9.4	1.1	11.91	198
250051004	2012	9	19	2	V	7.1	1.2	5.38	208
250051004	2012	9	19	3	V	9.1	5.1	3.74	187
250051004	2012	9	19	4	V	12.2	8.3	3.08	184
250051004	2012	9	19	5	V	10.4	5.3	2.45	227
250051004	2012	9	19	6	V	11.0	2.7	5.26	304
250051004	2012	9	19	7	V	11.3	1.8	4.31	312
250051004	2012	9	19	8	V	8.3	1.5	4.66	314
250051004	2012	9	19	9	V	8.2	1.5	4.53	321
250051004	2012	9	19	10	V	9.4	1.1	4.83	325
250051004	2012	9	19	11	V	7.5	1.3	5.43	335
250051004	2012	9	19	12	V	8.9	1.1	5.27	338
250051004	2012	9	19	13	V	7.5	1.1	5.39	320
250051004	2012	9	19	14	V	7.0	0.9	4.39	330
250051004	2012	9	19	15	V	4.0	1	4.41	318
250051004	2012	9	19	16	V	3.7	0.9	4.76	301
250051004	2012	9	19	17	V	3.0	0.9	4.68	303
250051004	2012	9	19	18	V	2.7	0.9	3.35	306
250051004	2012	9	19	19	V	2.9	0.7	2.64	310
250051004	2012	9	19	20	V	2.7	0.7	2.84	321
250051004	2012	9	19	21	V	2.7	0.9	2.49	338
250051004	2012	9	19	22	V	2.6	1	2.72	354
250051004	2012	9	19	23	V	2.6	0.9	2.44	353
250051004	2012	9	19	24	V	7.9	0.3	2.71	345
250051004	2012	9	20	1	V	9.4	0.6	3.05	352
250051004	2012	9	20	2	V	7.1	0.9	4.12	11
250051004	2012	9	20	3	V	9.1	0.8	4.65	25
250051004	2012	9	20	4	V	12.2	0.6	4.54	21
250051004	2012	9	20	5	V	10.4	0.7	4.88	24
250051004	2012	9	20	6	V	11.0	0.9	4.71	26
250051004	2012	9	20	7	V	11.3	0.9	3.85	20
250051004	2012	9	20	8	V	8.3	0.7	4.03	31
250051004	2012	9	20	9	V	8.2	0.5	5.27	42
250051004	2012	9	20	10	V	9.4	0.6	5.05	61
250051004	2012	9	20	11	V	7.5	0.6	4.07	61
250051004	2012	9	20	12	V	8.9	0.3	3.81	81
250051004	2012	9	20	13	V	7.5	0.5	3.51	96
250051004	2012	9	20	14	V	7.0	0.7	3.18	91
250051004	2012	9	20	15	V	4.0	0.8	2.93	78
250051004	2012	9	20	16	V	3.7	0.8	3.85	84

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	20	17	V	3.0	0.8	4.44	86
250051004	2012	9	20	18	V	2.7	0.6	4	78
250051004	2012	9	20	19	V	2.9	0.6	3.42	74
250051004	2012	9	20	20	V	2.7	0.8	3.1	75
250051004	2012	9	20	21	V	2.7	0.8	2.23	53
250051004	2012	9	20	22	V	2.6	0.5	2.15	29
250051004	2012	9	20	23	V	2.6	0.6	1.64	360
250051004	2012	9	20	24	V	7.9	0.4	1.31	13
250051004	2012	9	21	1	V	9.4	0.5	2.21	355
250051004	2012	9	21	2	V	7.1	0.6	3.17	348
250051004	2012	9	21	3	V	9.1	0.7	2.61	356
250051004	2012	9	21	4	V	12.2	0.7	2.35	356
250051004	2012	9	21	5	V	10.4	0.6	3.08	351
250051004	2012	9	21	6	V	11.0	0.8	2.5	357
250051004	2012	9	21	7	V	11.3	1	2.23	359
250051004	2012	9	21	8	V	8.3	1.2	2.44	360
250051004	2012	9	21	9	V	8.2	1.3	3.2	19
250051004	2012	9	21	10	V	9.4	1.9	3.68	20
250051004	2012	9	21	11	V	7.5	1.3	4.09	28
250051004	2012	9	21	12	V	8.9	1.1	4.2	19
250051004	2012	9	21	13	V	7.5	1	3.85	37
250051004	2012	9	21	14	V	7.0	0.9	3.8	54
250051004	2012	9	21	15	V	4.0	0.9	3.51	57
250051004	2012	9	21	16	V	3.7	0.9	3.76	30
250051004	2012	9	21	17	V	3.0	1	4.78	48
250051004	2012	9	21	18	V	2.7	1.1	4.36	54
250051004	2012	9	21	19	V	2.9	-999	4.26	37
250051004	2012	9	21	20	V	2.7	0.7	3.85	29
250051004	2012	9	21	21	V	2.7	0.8	3.66	13
250051004	2012	9	21	22	V	2.6	0.9	3.05	8
250051004	2012	9	21	23	V	2.6	1.1	3.42	6
250051004	2012	9	21	24	V	7.9	1	3.46	353
250051004	2012	9	22	1	V	9.4	0.9	3.17	345
250051004	2012	9	22	2	V	7.1	0.8	2.95	358
250051004	2012	9	22	3	V	9.1	1	2.5	343
250051004	2012	9	22	4	V	12.2	0.9	2.81	344
250051004	2012	9	22	5	V	10.4	0.9	2.49	333
250051004	2012	9	22	6	V	11.0	0.9	2.2	327
250051004	2012	9	22	7	V	11.3	0.9	2.4	316
250051004	2012	9	22	8	V	8.3	1	2.39	322
250051004	2012	9	22	9	V	8.2	1.1	2.06	333
250051004	2012	9	22	10	V	9.4	1	1.33	314
250051004	2012	9	22	11	V	7.5	1	1.82	222
250051004	2012	9	22	12	V	8.9	1.1	2.04	149
250051004	2012	9	22	13	V	7.5	1	3.83	157
250051004	2012	9	22	14	V	7.0	1.2	5.53	157

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	22	15	V	4.0	1.2	6.12	152
250051004	2012	9	22	16	V	3.7	1.2	5.9	160
250051004	2012	9	22	17	V	3.0	1.2	4.48	170
250051004	2012	9	22	18	V	2.7	1.1	3.52	198
250051004	2012	9	22	19	V	2.9	1.2	2.06	187
250051004	2012	9	22	20	V	2.7	1.2	2.11	164
250051004	2012	9	22	21	V	2.7	1.1	1.79	170
250051004	2012	9	22	22	V	2.6	1.2	2.5	189
250051004	2012	9	22	23	V	2.6	1.2	6.33	187
250051004	2012	9	22	24	V	7.9	1.1	6.36	200
250051004	2012	9	23	1	V	9.4	1.2	4.93	225
250051004	2012	9	23	2	V	7.1	1.2	2.25	201
250051004	2012	9	23	3	V	9.1	1.1	1.16	239
250051004	2012	9	23	4	V	12.2	1.1	2.96	261
250051004	2012	9	23	5	V	10.4	1.2	3.22	266
250051004	2012	9	23	6	V	11.0	1.1	2.91	259
250051004	2012	9	23	7	V	11.3	1.2	3.35	274
250051004	2012	9	23	8	V	8.3	1	5.53	302
250051004	2012	9	23	9	V	8.2	1.1	5.56	307
250051004	2012	9	23	10	V	9.4	1.1	6.24	306
250051004	2012	9	23	11	V	7.5	1.1	6.6	306
250051004	2012	9	23	12	V	8.9	1	4.97	311
250051004	2012	9	23	13	V	7.5	1.3	5.19	303
250051004	2012	9	23	14	V	7.0	1	5.5	318
250051004	2012	9	23	15	V	4.0	1.1	5.29	312
250051004	2012	9	23	16	V	3.7	1.1	4.51	321
250051004	2012	9	23	17	V	3.0	1.1	4.44	305
250051004	2012	9	23	18	V	2.7	1.1	3.78	307
250051004	2012	9	23	19	V	2.9	1	2.91	308
250051004	2012	9	23	20	V	2.7	1	2.21	308
250051004	2012	9	23	21	V	2.7	0.9	2.03	276
250051004	2012	9	23	22	V	2.6	0.9	1.3	273
250051004	2012	9	23	23	V	2.6	0.9	1.3	253
250051004	2012	9	23	24	V	7.9	1.1	1.2	303
250051004	2012	9	24	1	V	9.4	0.9	0.84	345
250051004	2012	9	24	2	V	7.1	0.8	1.45	276
250051004	2012	9	24	3	V	9.1	-999	1.08	291
250051004	2012	9	24	4	V	12.2	-999	1.03	282
250051004	2012	9	24	5	V	10.4	0.5	1.03	259
250051004	2012	9	24	6	V	11.0	0.8	1.21	267
250051004	2012	9	24	7	V	11.3	1.2	1.01	313
250051004	2012	9	24	8	V	8.3	1.1	1.71	313
250051004	2012	9	24	9	V	8.2	0.8	3.61	340
250051004	2012	9	24	10	V	9.4	0.9	3.83	347
250051004	2012	9	24	11	V	7.5	1	2.74	280
250051004	2012	9	24	12	V	8.9	1.1	2.98	299

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	24	13	V	7.5	1.2	4.48	287
250051004	2012	9	24	14	V	7.0	1.2	4.75	280
250051004	2012	9	24	15	V	4.0	0.8	4.31	284
250051004	2012	9	24	16	V	3.7	1.1	4.44	277
250051004	2012	9	24	17	V	3.0	1.1	3.49	279
250051004	2012	9	24	18	V	2.7	0.9	2.18	273
250051004	2012	9	24	19	V	2.9	-999	1.93	258
250051004	2012	9	24	20	V	2.7	0.7	1.77	251
250051004	2012	9	24	21	V	2.7	0.8	1.86	255
250051004	2012	9	24	22	V	2.6	0.6	1.84	258
250051004	2012	9	24	23	V	2.6	0.6	1.79	261
250051004	2012	9	24	24	V	7.9	0.5	1.43	245
250051004	2012	9	25	1	V	9.4	0.7	1.03	243
250051004	2012	9	25	2	V	7.1	0.7	1.13	255
250051004	2012	9	25	3	V	9.1	0.7	2.1	267
250051004	2012	9	25	4	V	12.2	0.9	2.49	271
250051004	2012	9	25	5	V	10.4	0.9	1.67	261
250051004	2012	9	25	6	V	11.0	0.9	0.8	251
250051004	2012	9	25	7	V	11.3	2.1	1.3	213
250051004	2012	9	25	8	V	8.3	10.9	2.11	178
250051004	2012	9	25	9	V	8.2	5.3	4.48	204
250051004	2012	9	25	10	V	9.4	1.8	5.75	222
250051004	2012	9	25	11	V	7.5	3.6	6.84	216
250051004	2012	9	25	12	V	8.9	2.9	7.65	217
250051004	2012	9	25	13	V	7.5	4.6	7.72	221
250051004	2012	9	25	14	V	7.0	2.5	8.03	215
250051004	2012	9	25	15	V	4.0	1.2	8.52	217
250051004	2012	9	25	16	V	3.7	1.1	8.05	214
250051004	2012	9	25	17	V	3.0	1	6.6	211
250051004	2012	9	25	18	V	2.7	1.1	5.38	204
250051004	2012	9	25	19	V	2.9	1.1	4.73	200
250051004	2012	9	25	20	V	2.7	1	3.83	196
250051004	2012	9	25	21	V	2.7	1	1.86	196
250051004	2012	9	25	22	V	2.6	0.8	2.5	173
250051004	2012	9	25	23	V	2.6	0.9	2.1	171
250051004	2012	9	25	24	V	7.9	0.9	2.91	171
250051004	2012	9	26	1	V	9.4	0.9	3.34	178
250051004	2012	9	26	2	V	7.1	1	3.44	186
250051004	2012	9	26	3	V	9.1	16.6	3.29	196
250051004	2012	9	26	4	V	12.2	11.1	3.4	183
250051004	2012	9	26	5	V	10.4	8.8	2.78	169
250051004	2012	9	26	6	V	11.0	13.5	3.86	188
250051004	2012	9	26	7	V	11.3	13.7	4.53	185
250051004	2012	9	26	8	V	8.3	8.7	5.46	182
250051004	2012	9	26	9	V	8.2	9.6	6.4	203
250051004	2012	9	26	10	V	9.4	11.4	6.67	204

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	26	11	V	7.5	6.2	6.81	208
250051004	2012	9	26	12	V	8.9	4.7	6.6	201
250051004	2012	9	26	13	V	7.5	4.4	7.13	210
250051004	2012	9	26	14	V	7.0	2.9	5.89	206
250051004	2012	9	26	15	V	4.0	1.4	6.96	206
250051004	2012	9	26	16	V	3.7	0.8	5.75	210
250051004	2012	9	26	17	V	3.0	1.2	4.95	211
250051004	2012	9	26	18	V	2.7	1.2	5.31	213
250051004	2012	9	26	19	V	2.9	1.2	4.37	209
250051004	2012	9	26	20	V	2.7	1.1	3.24	209
250051004	2012	9	26	21	V	2.7	1.1	2.44	201
250051004	2012	9	26	22	V	2.6	1	2.37	199
250051004	2012	9	26	23	V	2.6	1.1	2.4	204
250051004	2012	9	26	24	V	7.9	1.1	3.05	220
250051004	2012	9	27	1	V	9.4	0.5	3.57	225
250051004	2012	9	27	2	V	7.1	1	3.86	258
250051004	2012	9	27	3	V	9.1	1	4.86	272
250051004	2012	9	27	4	V	12.2	1.2	3.36	271
250051004	2012	9	27	5	V	10.4	1.1	3.86	273
250051004	2012	9	27	6	V	11.0	1	3.36	257
250051004	2012	9	27	7	C	-999	1.1	0	0
250051004	2012	9	27	8	V	8.3	1.3	3.36	342
250051004	2012	9	27	9	V	8.2	2.7	4.24	359
250051004	2012	9	27	10	V	9.4	1.2	4.34	351
250051004	2012	9	27	11	V	7.5	0.9	4.58	3
250051004	2012	9	27	12	V	8.9	1	4.42	2
250051004	2012	9	27	13	V	7.5	0.9	4.15	349
250051004	2012	9	27	14	V	7.0	1	4.73	1
250051004	2012	9	27	15	V	4.0	0.9	3.71	360
250051004	2012	9	27	16	V	3.7	1.1	3.32	350
250051004	2012	9	27	17	V	3.0	1	3.68	153
250051004	2012	9	27	18	V	2.7	0.9	2.47	139
250051004	2012	9	27	19	V	2.9	-999	2.61	90
250051004	2012	9	27	20	V	2.7	0.6	2.81	80
250051004	2012	9	27	21	V	2.7	0.6	2.5	67
250051004	2012	9	27	22	V	2.6	0.7	1.89	53
250051004	2012	9	27	23	V	2.6	0.6	2.49	37
250051004	2012	9	27	24	V	7.9	0.8	2.56	46
250051004	2012	9	28	1	V	9.4	0.7	1.93	45
250051004	2012	9	28	2	V	7.1	1	2.01	40
250051004	2012	9	28	3	V	9.1	0.9	2.71	50
250051004	2012	9	28	4	V	12.2	1.4	3.05	63
250051004	2012	9	28	5	V	10.4	0.8	2.98	59
250051004	2012	9	28	6	V	11.0	0.6	3.15	51
250051004	2012	9	28	7	V	11.3	0.9	3.2	55
250051004	2012	9	28	8	V	8.3	1	2.76	74

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	28	9	V	8.2	1	2.79	56
250051004	2012	9	28	10	V	9.4	0.8	3.3	104
250051004	2012	9	28	11	V	7.5	0.7	5.72	129
250051004	2012	9	28	12	V	8.9	0.8	6.14	132
250051004	2012	9	28	13	V	7.5	0.9	4.56	103
250051004	2012	9	28	14	V	7.0	0.9	3.37	101
250051004	2012	9	28	15	V	4.0	0.9	3.59	121
250051004	2012	9	28	16	V	3.7	0.9	3.54	125
250051004	2012	9	28	17	V	3.0	1	4.09	98
250051004	2012	9	28	18	V	2.7	1	3.49	98
250051004	2012	9	28	19	V	2.9	0.8	4.44	99
250051004	2012	9	28	20	V	2.7	1	4.73	64
250051004	2012	9	28	21	V	2.7	1	5.5	1
250051004	2012	9	28	22	V	2.6	1.1	4.05	6
250051004	2012	9	28	23	V	2.6	1.1	4.2	352
250051004	2012	9	28	24	V	7.9	1.2	3.81	356
250051004	2012	9	29	1	V	9.4	1	3.71	350
250051004	2012	9	29	2	V	7.1	1.2	4.05	354
250051004	2012	9	29	3	V	9.1	1.2	4.34	355
250051004	2012	9	29	4	V	12.2	1.2	4.48	357
250051004	2012	9	29	5	V	10.4	1.2	4.42	357
250051004	2012	9	29	6	V	11.0	1	3.81	2
250051004	2012	9	29	7	V	11.3	1.1	4.09	356
250051004	2012	9	29	8	V	8.3	1.1	4.42	3
250051004	2012	9	29	9	V	8.2	1.1	5	17
250051004	2012	9	29	10	V	9.4	1.2	4.53	8
250051004	2012	9	29	11	V	7.5	1.2	3.92	352
250051004	2012	9	29	12	V	8.9	1.1	4.17	3
250051004	2012	9	29	13	V	7.5	1.3	3.1	6
250051004	2012	9	29	14	V	7.0	1.3	3	17
250051004	2012	9	29	15	V	4.0	1.3	3.56	7
250051004	2012	9	29	16	V	3.7	1.3	2.96	30
250051004	2012	9	29	17	V	3.0	1.1	2.66	40
250051004	2012	9	29	18	V	2.7	1.1	2.47	47
250051004	2012	9	29	19	V	2.9	1.2	2.3	61
250051004	2012	9	29	20	V	2.7	1.1	1.91	50
250051004	2012	9	29	21	V	2.7	1.1	1.91	36
250051004	2012	9	29	22	V	2.6	1.2	2.45	46
250051004	2012	9	29	23	V	2.6	1.1	2.3	45
250051004	2012	9	29	24	V	7.9	1.2	2.15	50
250051004	2012	9	30	1	V	9.4	1.1	2.44	46
250051004	2012	9	30	2	V	7.1	1.2	2.42	28
250051004	2012	9	30	3	V	9.1	1.1	2.33	36
250051004	2012	9	30	4	V	12.2	1.2	2.56	23
250051004	2012	9	30	5	V	10.4	1.2	2.76	16
250051004	2012	9	30	6	V	11.0	1.3	2.83	9

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	9	30	7	V	11.3	1.3	3.32	3
250051004	2012	9	30	8	V	8.3	1.2	3.42	359
250051004	2012	9	30	9	V	8.2	1.2	3.29	1
250051004	2012	9	30	10	V	9.4	1.3	3.56	354
250051004	2012	9	30	11	V	7.5	1.4	3.32	345
250051004	2012	9	30	12	V	8.9	1.5	2.72	338
250051004	2012	9	30	13	V	7.5	1.5	2.32	342
250051004	2012	9	30	14	V	7.0	1.4	1.87	263
250051004	2012	9	30	15	V	4.0	1.3	1.81	247
250051004	2012	9	30	16	V	3.7	1.5	2.25	200
250051004	2012	9	30	17	V	3.0	1.5	2.4	173
250051004	2012	9	30	18	V	2.7	1.5	3.12	208
250051004	2012	9	30	19	V	2.9	-999	2.37	214
250051004	2012	9	30	20	V	2.7	0.9	3.05	202
250051004	2012	9	30	21	V	2.7	1.2	2.25	196
250051004	2012	9	30	22	V	2.6	1.5	2.23	211
250051004	2012	9	30	23	V	2.6	1.3	1.62	195
250051004	2012	9	30	24	V	7.9	1.5	1.33	216
250051004	2012	10	1	1	V	9.4	1.7	1.86	230
250051004	2012	10	1	2	V	7.1	1.4	2.49	210
250051004	2012	10	1	3	V	9.1	1.5	3.08	223
250051004	2012	10	1	4	V	12.2	1.7	4.14	229
250051004	2012	10	1	5	V	10.4	1.5	3.64	226
250051004	2012	10	1	6	V	11.0	1.5	4.17	230
250051004	2012	10	1	7	V	11.3	1.6	4.97	239
250051004	2012	10	1	8	V	8.3	1.5	5.6	244
250051004	2012	10	1	9	V	8.2	1.7	6.48	246
250051004	2012	10	1	10	V	9.4	1.6	6.43	254
250051004	2012	10	1	11	V	7.5	1.5	6.35	246
250051004	2012	10	1	12	V	8.9	1.4	7.49	253
250051004	2012	10	1	13	V	7.5	1.5	7.86	261
250051004	2012	10	1	14	V	7.0	1.5	7.35	260
250051004	2012	10	1	15	V	4.0	1.5	6.81	254
250051004	2012	10	1	16	V	3.7	1.3	6.11	264
250051004	2012	10	1	17	V	3.0	1.5	5.05	267
250051004	2012	10	1	18	V	2.7	1.4	3.2	249
250051004	2012	10	1	19	V	2.9	1.3	2.42	229
250051004	2012	10	1	20	V	2.7	1.2	1.65	208
250051004	2012	10	1	21	V	2.7	1.3	1.93	240
250051004	2012	10	1	22	V	2.6	1.2	2.54	257
250051004	2012	10	1	23	V	2.6	1.2	3.08	265
250051004	2012	10	1	24	V	7.9	1.2	2.91	256
250051004	2012	10	2	1	V	9.4	1.1	2.83	262
250051004	2012	10	2	2	V	7.1	1.3	2.39	261
250051004	2012	10	2	3	V	9.1	1.2	2.91	263
250051004	2012	10	2	4	V	12.2	1.4	2.08	262

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	2	5	V	10.4	1.3	1.69	260
250051004	2012	10	2	6	V	11.0	1.6	1.91	255
250051004	2012	10	2	7	V	11.3	1.9	1.59	236
250051004	2012	10	2	8	V	8.3	2	1.52	238
250051004	2012	10	2	9	V	8.2	2.4	0.99	216
250051004	2012	10	2	10	V	9.4	8.1	1.5	202
250051004	2012	10	2	11	V	7.5	3.2	3.22	203
250051004	2012	10	2	12	V	8.9	4.1	2.84	171
250051004	2012	10	2	13	V	7.5	7.1	3.15	147
250051004	2012	10	2	14	V	7.0	2.6	2.83	171
250051004	2012	10	2	15	V	4.0	1.5	3.3	209
250051004	2012	10	2	16	V	3.7	1.5	1.77	231
250051004	2012	10	2	17	V	3.0	1.2	1.62	190
250051004	2012	10	2	18	V	2.7	1.1	1.4	286
250051004	2012	10	2	19	V	2.9	1.1	0.84	70
250051004	2012	10	2	20	V	2.7	1.1	1.62	29
250051004	2012	10	2	21	V	2.7	1.1	2.5	23
250051004	2012	10	2	22	V	2.6	1.2	1.77	73
250051004	2012	10	2	23	V	2.6	1.2	2.22	38
250051004	2012	10	2	24	V	7.9	1.2	2.84	30
250051004	2012	10	3	1	V	9.4	1.1	2.93	39
250051004	2012	10	3	2	V	7.1	1.1	2.42	21
250051004	2012	10	3	3	V	9.1	1.1	2.2	12
250051004	2012	10	3	4	V	12.2	1.2	2.52	17
250051004	2012	10	3	5	V	10.4	1.2	2.32	19
250051004	2012	10	3	6	V	11.0	1.1	2.83	17
250051004	2012	10	3	7	V	11.3	1.2	3.01	19
250051004	2012	10	3	8	V	8.3	1.2	3.08	15
250051004	2012	10	3	9	V	8.2	1.2	2.56	12
250051004	2012	10	3	10	V	9.4	1.2	2.71	358
250051004	2012	10	3	11	V	7.5	1.1	2.4	30
250051004	2012	10	3	12	V	9.0	1	2.49	11
250051004	2012	10	3	13	V	7.6	1.2	2.72	13
250051004	2012	10	3	14	V	7.1	1.2	2.3	24
250051004	2012	10	3	15	V	4.0	1.2	2.86	28
250051004	2012	10	3	16	V	3.7	1.1	3.01	14
250051004	2012	10	3	17	V	3.0	1.1	3.42	12
250051004	2012	10	3	18	V	2.7	1.1	3.2	27
250051004	2012	10	3	19	V	2.9	-999	3.12	21
250051004	2012	10	3	20	V	2.7	0.8	2.71	28
250051004	2012	10	3	21	V	2.7	1	2.91	19
250051004	2012	10	3	22	V	2.6	0.8	3	19
250051004	2012	10	3	23	V	2.6	0.7	2.93	16
250051004	2012	10	3	24	V	7.9	0.9	3.73	16
250051004	2012	10	4	1	V	9.4	0.9	3.1	13
250051004	2012	10	4	2	V	7.1	0.8	3.03	4

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	4	3	V	9.1	0.8	2.81	18
250051004	2012	10	4	4	V	12.2	0.9	2.88	358
250051004	2012	10	4	5	V	10.4	1	3.01	9
250051004	2012	10	4	6	V	11.0	0.6	2.84	6
250051004	2012	10	4	7	V	11.3	0.9	3.37	4
250051004	2012	10	4	8	V	8.3	1	3.05	13
250051004	2012	10	4	9	V	8.2	1.1	3	19
250051004	2012	10	4	10	V	9.4	1.1	3.3	7
250051004	2012	10	4	11	V	7.5	1.1	3	350
250051004	2012	10	4	12	V	8.9	1.1	3.75	353
250051004	2012	10	4	13	V	7.5	1.1	3.59	356
250051004	2012	10	4	14	V	7.0	1	3.17	32
250051004	2012	10	4	15	V	4.0	1.2	3.07	49
250051004	2012	10	4	16	V	3.7	1.1	1.69	23
250051004	2012	10	4	17	V	3.0	1.3	1.91	320
250051004	2012	10	4	18	V	2.7	1	2.01	346
250051004	2012	10	4	19	V	2.9	1.2	2.28	11
250051004	2012	10	4	20	V	2.7	1.2	1.6	26
250051004	2012	10	4	21	V	2.7	1.1	1.3	76
250051004	2012	10	4	22	V	2.6	1.2	2.86	196
250051004	2012	10	4	23	V	2.6	1.2	1.65	342
250051004	2012	10	4	24	V	7.9	1	1.86	297
250051004	2012	10	5	1	V	9.4	1.1	1.59	226
250051004	2012	10	5	2	V	7.1	1.2	2.15	278
250051004	2012	10	5	3	V	9.1	1.2	1.3	289
250051004	2012	10	5	4	V	12.2	1.1	0.53	218
250051004	2012	10	5	5	V	10.4	1.3	0.58	265
250051004	2012	10	5	6	V	11.0	1.2	1.01	41
250051004	2012	10	5	7	V	11.3	1.2	0.84	179
250051004	2012	10	5	8	V	8.3	1.3	2.03	252
250051004	2012	10	5	9	V	8.2	1.6	2.11	265
250051004	2012	10	5	10	V	9.4	1.5	2.59	269
250051004	2012	10	5	11	V	7.5	1.7	4.1	298
250051004	2012	10	5	12	V	8.9	1.9	5.1	308
250051004	2012	10	5	13	V	7.5	2	4.19	303
250051004	2012	10	5	14	V	7.0	2	4.15	279
250051004	2012	10	5	15	V	4.0	2.1	4.26	278
250051004	2012	10	5	16	V	3.7	1.9	2.98	287
250051004	2012	10	5	17	V	3.0	1.8	2.49	251
250051004	2012	10	5	18	V	2.7	1.7	1.76	218
250051004	2012	10	5	19	V	2.9	1.5	2.37	222
250051004	2012	10	5	20	V	2.7	1.6	2.15	236
250051004	2012	10	5	21	V	2.7	1.6	1.77	221
250051004	2012	10	5	22	V	2.6	1.5	1.43	201
250051004	2012	10	5	23	V	2.6	1.5	1.3	202
250051004	2012	10	5	24	V	7.9	1.5	1.38	201

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	6	1	V	9.4	1.5	1.52	181
250051004	2012	10	6	2	V	7.1	1.5	0.77	229
250051004	2012	10	6	3	V	9.1	1.5	0.63	180
250051004	2012	10	6	4	V	12.2	1.7	0.77	169
250051004	2012	10	6	5	V	10.4	1.4	1.42	164
250051004	2012	10	6	6	V	11.0	1.4	2.83	194
250051004	2012	10	6	7	V	11.3	1.3	2.44	180
250051004	2012	10	6	8	V	8.3	1.6	2.76	175
250051004	2012	10	6	9	V	8.2	1.8	4.48	197
250051004	2012	10	6	10	V	9.4	1.8	5.05	209
250051004	2012	10	6	11	V	7.5	2.1	6.31	209
250051004	2012	10	6	12	V	8.9	2.1	6.91	212
250051004	2012	10	6	13	V	7.5	1.9	8.23	216
250051004	2012	10	6	14	V	7.0	2	7.84	200
250051004	2012	10	6	15	V	4.0	2	7.98	201
250051004	2012	10	6	16	V	3.7	1.9	7.23	203
250051004	2012	10	6	17	V	3.0	1.5	6.36	202
250051004	2012	10	6	18	V	2.7	1.8	6.16	230
250051004	2012	10	6	19	V	2.9	-999	4.71	295
250051004	2012	10	6	20	V	2.7	1.4	4	299
250051004	2012	10	6	21	V	2.7	1.5	4.17	301
250051004	2012	10	6	22	V	2.6	1.4	3.93	316
250051004	2012	10	6	23	V	2.6	1.4	2.37	299
250051004	2012	10	6	24	V	7.9	1.3	1.52	272
250051004	2012	10	7	1	V	9.4	1.3	2.62	289
250051004	2012	10	7	2	V	7.1	1.3	2.4	288
250051004	2012	10	7	3	V	9.1	1.3	1.82	280
250051004	2012	10	7	4	V	12.2	1.3	2.38	283
250051004	2012	10	7	5	V	10.4	1.5	2.42	270
250051004	2012	10	7	6	V	11.0	1.6	3.03	283
250051004	2012	10	7	7	V	11.3	1.6	3.1	290
250051004	2012	10	7	8	V	8.3	1.5	3	292
250051004	2012	10	7	9	V	8.8	1.5	2.35	327
250051004	2012	10	7	10	V	9.4	1.4	1.7	2
250051004	2012	10	7	11	V	7.5	1.1	2.06	10
250051004	2012	10	7	12	V	9.4	1.2	1.64	325
250051004	2012	10	7	13	V	7.5	1.3	2.15	280
250051004	2012	10	7	14	V	7.0	1.3	2.08	272
250051004	2012	10	7	15	V	4.0	1.4	2.28	290
250051004	2012	10	7	16	V	3.7	1.5	2.47	278
250051004	2012	10	7	17	V	3.0	1.8	1.74	249
250051004	2012	10	7	18	V	2.7	2.4	0.99	289
250051004	2012	10	7	19	V	2.9	2.3	1.3	128
250051004	2012	10	7	20	V	2.7	1.7	1.42	224
250051004	2012	10	7	21	V	2.7	1.6	3.37	270
250051004	2012	10	7	22	V	2.6	1.5	2.84	276

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	7	23	V	2.6	1.2	3.78	294
250051004	2012	10	7	24	V	7.9	1.1	2.42	302
250051004	2012	10	8	1	V	9.4	1.1	2.47	296
250051004	2012	10	8	2	V	7.1	1.1	2.3	314
250051004	2012	10	8	3	V	9.1	-999	1.86	299
250051004	2012	10	8	4	V	12.2	-999	1.69	330
250051004	2012	10	8	5	V	10.4	1	1.65	340
250051004	2012	10	8	6	V	11.0	1.1	1.14	19
250051004	2012	10	8	7	V	11.3	1.3	1.3	271
250051004	2012	10	8	8	V	8.3	1.3	2.08	313
250051004	2012	10	8	9	V	8.2	1.5	3.49	336
250051004	2012	10	8	10	V	9.4	1.3	3.9	340
250051004	2012	10	8	11	V	7.5	1.3	2.38	3
250051004	2012	10	8	12	V	8.9	1.1	1.84	24
250051004	2012	10	8	13	V	7.5	0.9	2.01	176
250051004	2012	10	8	14	V	7.0	1	3.17	158
250051004	2012	10	8	15	V	4.0	1.1	2.73	156
250051004	2012	10	8	16	V	3.7	1.2	2.28	180
250051004	2012	10	8	17	V	3.0	0.9	2.03	203
250051004	2012	10	8	18	V	2.7	0.5	2.27	214
250051004	2012	10	8	19	V	2.9	0.8	1.91	231
250051004	2012	10	8	20	V	2.7	0.8	1.04	193
250051004	2012	10	8	21	V	2.7	1	1.45	16
250051004	2012	10	8	22	V	2.6	0.8	2.32	21
250051004	2012	10	8	23	V	2.6	1	2.59	41
250051004	2012	10	8	24	V	7.9	1	2.67	54
250051004	2012	10	9	1	V	9.4	0.9	2.89	51
250051004	2012	10	9	2	V	7.1	1	3.66	53
250051004	2012	10	9	3	V	9.1	1	3.86	55
250051004	2012	10	9	4	V	12.2	0.9	3.68	54
250051004	2012	10	9	5	V	10.4	1	3.71	43
250051004	2012	10	9	6	V	11.0	1	3.57	43
250051004	2012	10	9	7	V	11.3	1	4.02	48
250051004	2012	10	9	8	V	8.3	1.1	3.78	44
250051004	2012	10	9	9	V	8.2	1.2	4.61	49
250051004	2012	10	9	10	V	9.4	1.2	4.24	52
250051004	2012	10	9	11	V	7.5	1.2	5.39	48
250051004	2012	10	9	12	V	8.9	1	5.96	54
250051004	2012	10	9	13	V	7.5	1	5.28	52
250051004	2012	10	9	14	V	7.0	1.1	5.75	39
250051004	2012	10	9	15	V	4.0	1.1	5.99	43
250051004	2012	10	9	16	V	3.7	1.1	5.6	42
250051004	2012	10	9	17	V	3.0	1.2	5.79	48
250051004	2012	10	9	18	V	2.7	1.1	5.26	45
250051004	2012	10	9	19	V	2.9	-999	4.76	38
250051004	2012	10	9	20	V	2.7	1	4.29	32

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	9	21	V	2.7	1.2	4.32	26
250051004	2012	10	9	22	V	2.6	1.3	4.29	31
250051004	2012	10	9	23	V	2.6	1.2	3.71	31
250051004	2012	10	9	24	V	7.9	1.1	3.52	23
250051004	2012	10	10	1	V	9.4	1.2	2.91	23
250051004	2012	10	10	2	V	7.1	1.3	3.36	17
250051004	2012	10	10	3	V	9.1	1.2	3.56	10
250051004	2012	10	10	4	V	12.2	1.2	3.08	6
250051004	2012	10	10	5	V	10.4	1.3	3.15	8
250051004	2012	10	10	6	V	11.0	1.3	2.69	8
250051004	2012	10	10	7	V	11.3	1.4	3.27	3
250051004	2012	10	10	8	V	8.3	1.5	3.27	22
250051004	2012	10	10	9	V	8.2	1.4	2.9	20
250051004	2012	10	10	10	V	9.4	1.3	3.25	46
250051004	2012	10	10	11	V	7.5	1.6	3.22	68
250051004	2012	10	10	12	V	8.9	1.3	2.76	95
250051004	2012	10	10	13	V	7.5	1.5	3.29	129
250051004	2012	10	10	14	V	7.0	1.6	4.36	150
250051004	2012	10	10	15	V	4.0	1.5	4.42	165
250051004	2012	10	10	16	V	3.7	1.7	3.56	174
250051004	2012	10	10	17	V	3.0	1.8	2.62	184
250051004	2012	10	10	18	V	2.7	1.7	2.86	191
250051004	2012	10	10	19	V	2.9	1.8	4.34	244
250051004	2012	10	10	20	V	2.7	1.7	3.47	230
250051004	2012	10	10	21	V	2.7	1.7	2.76	209
250051004	2012	10	10	22	V	2.6	1.7	3.51	244
250051004	2012	10	10	23	V	2.6	1.9	6.38	280
250051004	2012	10	10	24	V	7.9	1.6	4.07	299
250051004	2012	10	11	1	V	9.4	1.9	4.03	275
250051004	2012	10	11	2	V	7.1	1.6	3.61	262
250051004	2012	10	11	3	V	9.1	1.4	3.71	268
250051004	2012	10	11	4	V	12.2	1.4	4.31	268
250051004	2012	10	11	5	V	10.4	1.4	3.97	262
250051004	2012	10	11	6	V	11.0	1.5	4.92	265
250051004	2012	10	11	7	V	11.3	1.6	5.56	278
250051004	2012	10	11	8	V	8.3	1.7	6.06	286
250051004	2012	10	11	9	V	8.2	2	6.5	297
250051004	2012	10	11	10	V	9.4	1.6	6.43	288
250051004	2012	10	11	11	V	7.5	1.5	6.18	290
250051004	2012	10	11	12	V	8.9	1.6	5.82	282
250051004	2012	10	11	13	V	7.5	2.1	4.85	282
250051004	2012	10	11	14	V	7.0	1.2	5.12	288
250051004	2012	10	11	15	V	4.0	1.3	4.68	295
250051004	2012	10	11	16	V	3.7	1.3	3.83	270
250051004	2012	10	11	17	V	3.0	1.3	3.37	266
250051004	2012	10	11	18	V	2.7	1.3	1.81	251

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	11	19	V	2.9	1.3	2.22	207
250051004	2012	10	11	20	V	2.7	1.2	2.54	241
250051004	2012	10	11	21	V	2.7	0.8	2.67	236
250051004	2012	10	11	22	V	2.6	0.8	2.83	217
250051004	2012	10	11	23	V	2.6	1.2	1.23	237
250051004	2012	10	11	24	V	7.9	1.4	1.62	223
250051004	2012	10	12	1	V	9.4	1.1	1.65	170
250051004	2012	10	12	2	V	7.1	1.2	3.01	217
250051004	2012	10	12	3	V	9.1	2	2.72	220
250051004	2012	10	12	4	V	12.2	1.8	2.44	200
250051004	2012	10	12	5	V	10.4	2.2	1.98	201
250051004	2012	10	12	6	V	11.0	2.3	1.69	203
250051004	2012	10	12	7	V	11.3	2.4	1.57	232
250051004	2012	10	12	8	V	8.3	2.6	3.98	265
250051004	2012	10	12	9	V	8.2	2.8	3.97	279
250051004	2012	10	12	10	V	9.4	2.7	5.72	313
250051004	2012	10	12	11	V	7.5	2.4	6.13	336
250051004	2012	10	12	12	V	8.9	1.6	4.63	352
250051004	2012	10	12	13	V	7.5	1.4	3.22	330
250051004	2012	10	12	14	V	7.0	1.3	5.85	316
250051004	2012	10	12	15	V	4.0	1.6	5.87	328
250051004	2012	10	12	16	V	3.7	1.4	5.51	330
250051004	2012	10	12	17	V	3.0	1.2	5.19	330
250051004	2012	10	12	18	V	2.7	1.4	3.64	324
250051004	2012	10	12	19	V	2.9	-999	4.49	327
250051004	2012	10	12	20	V	2.7	1	4.61	330
250051004	2012	10	12	21	V	2.7	1.1	5	339
250051004	2012	10	12	22	V	2.6	0.9	4.31	338
250051004	2012	10	12	23	V	2.6	1.1	2.35	331
250051004	2012	10	12	24	V	7.9	1	2.83	336
250051004	2012	10	13	1	V	9.4	1.1	3.37	315
250051004	2012	10	13	2	V	7.1	0.9	3.35	327
250051004	2012	10	13	3	V	9.1	1	2.84	333
250051004	2012	10	13	4	V	12.2	1	1.98	305
250051004	2012	10	13	5	V	10.4	1.1	2.13	283
250051004	2012	10	13	6	V	11.0	1.1	1.79	265
250051004	2012	10	13	7	V	11.3	1.3	2.44	277
250051004	2012	10	13	8	V	8.3	1.3	2.38	288
250051004	2012	10	13	9	V	8.2	1.2	3.52	313
250051004	2012	10	13	10	V	9.4	1.3	3.71	339
250051004	2012	10	13	11	V	7.5	1.3	3.3	336
250051004	2012	10	13	12	V	8.9	1.2	3.75	277
250051004	2012	10	13	13	V	7.5	0.9	4.15	258
250051004	2012	10	13	14	V	7.0	1	4.39	258
250051004	2012	10	13	15	V	4.0	1	3.97	263
250051004	2012	10	13	16	V	3.7	1	3.88	269

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	13	17	V	3.0	1	2.69	269
250051004	2012	10	13	18	V	2.7	1	2.95	215
250051004	2012	10	13	19	V	2.9	0.9	2.21	221
250051004	2012	10	13	20	V	2.7	1.2	1.89	217
250051004	2012	10	13	21	V	2.7	1.3	2.38	214
250051004	2012	10	13	22	V	2.6	1.3	2.71	217
250051004	2012	10	13	23	V	2.6	1.3	2.67	212
250051004	2012	10	13	24	V	7.9	1.2	1.11	212
250051004	2012	10	14	1	V	9.4	1.1	1.21	168
250051004	2012	10	14	2	V	7.1	1.1	1.96	187
250051004	2012	10	14	3	V	9.1	1.2	2.37	194
250051004	2012	10	14	4	V	12.2	1.5	1.67	162
250051004	2012	10	14	5	V	10.4	1.5	2.33	182
250051004	2012	10	14	6	V	11.0	1.4	3.51	193
250051004	2012	10	14	7	V	11.3	1.4	4.48	201
250051004	2012	10	14	8	V	8.3	1.5	4.34	204
250051004	2012	10	14	9	V	8.2	1.5	5.55	215
250051004	2012	10	14	10	V	9.4	1.5	5.99	225
250051004	2012	10	14	11	V	7.5	1.5	6.21	225
250051004	2012	10	14	12	V	8.9	1.5	7.16	226
250051004	2012	10	14	13	V	7.5	1.6	8.4	222
250051004	2012	10	14	14	V	7.0	1.5	7.11	220
250051004	2012	10	14	15	V	4.0	1.6	7.67	211
250051004	2012	10	14	16	V	3.7	1.7	6.23	218
250051004	2012	10	14	17	V	3.0	1.6	5.62	213
250051004	2012	10	14	18	V	2.7	1.5	4.8	209
250051004	2012	10	14	19	V	2.9	1.4	4.95	204
250051004	2012	10	14	20	V	2.7	1.4	4.85	207
250051004	2012	10	14	21	V	2.7	1.4	5.36	209
250051004	2012	10	14	22	V	2.6	1.2	5.22	200
250051004	2012	10	14	23	V	2.6	1.4	5.22	202
250051004	2012	10	14	24	V	7.9	1.6	5.09	204
250051004	2012	10	15	1	V	9.4	1.5	5.9	204
250051004	2012	10	15	2	V	7.1	1.5	5.82	204
250051004	2012	10	15	3	V	9.1	10.4	4.99	196
250051004	2012	10	15	4	V	12.2	16.4	5.51	199
250051004	2012	10	15	5	V	10.4	12.6	5.73	200
250051004	2012	10	15	6	V	11.0	11.7	5.99	197
250051004	2012	10	15	7	V	11.3	12.4	5.95	193
250051004	2012	10	15	8	V	8.3	11.9	6.43	191
250051004	2012	10	15	9	V	8.2	8.9	6.74	187
250051004	2012	10	15	10	V	9.4	6.9	8.27	198
250051004	2012	10	15	11	V	7.5	7	8.42	200
250051004	2012	10	15	12	V	8.9	8.5	7.01	203
250051004	2012	10	15	13	V	7.5	6.2	6.47	202
250051004	2012	10	15	14	V	7.0	3	7.35	195

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	15	15	V	4.0	2.5	7.64	198
250051004	2012	10	15	16	V	3.7	2.4	7.15	196
250051004	2012	10	15	17	V	3.0	2.1	7.08	196
250051004	2012	10	15	18	V	2.7	2.3	6.89	199
250051004	2012	10	15	19	V	2.9	-999	5.65	206
250051004	2012	10	15	20	V	2.7	2	3.83	205
250051004	2012	10	15	21	V	2.7	1.9	3.52	196
250051004	2012	10	15	22	V	2.6	2	3.56	196
250051004	2012	10	15	23	V	2.6	2	4.17	208
250051004	2012	10	15	24	V	7.9	2.1	3.37	223
250051004	2012	10	16	1	V	9.4	2.2	3.15	278
250051004	2012	10	16	2	V	7.1	2	2.64	271
250051004	2012	10	16	3	V	9.1	2	4	298
250051004	2012	10	16	4	V	12.2	2.6	4.07	314
250051004	2012	10	16	5	V	10.4	10.7	4.2	317
250051004	2012	10	16	6	V	11.0	3.6	4.76	309
250051004	2012	10	16	7	V	11.3	3.5	6.29	307
250051004	2012	10	16	8	V	8.3	2.8	6.67	304
250051004	2012	10	16	9	V	8.2	3.8	8.1	298
250051004	2012	10	16	10	V	9.4	2.6	7.89	303
250051004	2012	10	16	11	V	7.5	2.2	7.88	305
250051004	2012	10	16	12	V	13.1	2.1	6.94	317
250051004	2012	10	16	13	V	8.9	3.4	6.46	313
250051004	2012	10	16	14	V	8.3	2.3	6.01	313
250051004	2012	10	16	15	V	5.8	2.6	6.36	315
250051004	2012	10	16	16	V	3.7	2.2	5.72	307
250051004	2012	10	16	17	V	3.0	1.9	4.65	308
250051004	2012	10	16	18	V	2.7	2	3.01	307
250051004	2012	10	16	19	V	2.9	2	2.33	279
250051004	2012	10	16	20	V	2.7	2.2	2.78	268
250051004	2012	10	16	21	V	2.7	2.3	3.07	258
250051004	2012	10	16	22	V	2.6	2	2.91	257
250051004	2012	10	16	23	V	2.6	2.1	2.57	285
250051004	2012	10	16	24	V	7.9	2.2	2.4	293
250051004	2012	10	17	1	V	9.4	1.9	2.93	318
250051004	2012	10	17	2	V	7.1	1.7	2.3	334
250051004	2012	10	17	3	V	9.1	1.5	3.2	347
250051004	2012	10	17	4	V	12.2	1.8	2.98	338
250051004	2012	10	17	5	V	10.4	1.8	2.1	336
250051004	2012	10	17	6	V	11.0	1.7	1.31	344
250051004	2012	10	17	7	V	11.3	1.9	1.03	255
250051004	2012	10	17	8	V	8.3	2.2	1.26	272
250051004	2012	10	17	9	V	8.2	2.2	1.69	294
250051004	2012	10	17	10	V	9.4	1.8	3.17	1
250051004	2012	10	17	11	V	7.5	1.9	2.49	338
250051004	2012	10	17	12	V	8.9	1.9	2.18	333

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	17	13	V	7.5	1.9	2.4	314
250051004	2012	10	17	14	V	7.0	2.1	2.3	293
250051004	2012	10	17	15	V	4.0	2.4	4.46	155
250051004	2012	10	17	16	V	3.7	1.8	3.86	157
250051004	2012	10	17	17	V	3.0	1.9	2.73	156
250051004	2012	10	17	18	V	2.7	1.8	2.47	173
250051004	2012	10	17	19	V	2.9	1.7	1.67	201
250051004	2012	10	17	20	V	2.7	1.5	1.38	225
250051004	2012	10	17	21	V	2.7	1.5	1.65	247
250051004	2012	10	17	22	V	2.6	1.5	1.38	215
250051004	2012	10	17	23	V	2.6	1.5	1.25	231
250051004	2012	10	17	24	V	7.9	1.5	1.48	189
250051004	2012	10	18	1	V	9.4	1.5	0.87	217
250051004	2012	10	18	2	V	7.1	1.4	0.67	260
250051004	2012	10	18	3	V	9.1	1.6	1.08	263
250051004	2012	10	18	4	V	12.2	1.7	1.33	288
250051004	2012	10	18	5	V	10.4	1.8	0.8	295
250051004	2012	10	18	6	V	11.0	2	1.25	288
250051004	2012	10	18	7	V	11.3	2.5	0.99	286
250051004	2012	10	18	8	V	8.3	2.5	0.82	326
250051004	2012	10	18	9	V	8.2	2.4	0.79	34
250051004	2012	10	18	10	V	9.4	2.3	1.62	150
250051004	2012	10	18	11	V	7.5	2.8	3.86	173
250051004	2012	10	18	12	V	8.9	1.9	4.8	166
250051004	2012	10	18	13	V	7.5	2.4	5.29	142
250051004	2012	10	18	14	V	7.0	2.5	5.22	149
250051004	2012	10	18	15	V	4.0	1.6	4.78	161
250051004	2012	10	18	16	V	3.7	1.6	4.34	160
250051004	2012	10	18	17	V	3.0	1.5	3.46	162
250051004	2012	10	18	18	V	2.7	1.4	3.2	137
250051004	2012	10	18	19	V	2.9	-999	2.86	135
250051004	2012	10	18	20	V	2.7	1.2	2.64	125
250051004	2012	10	18	21	V	2.7	1.3	0.77	120
250051004	2012	10	18	22	V	2.6	1.3	1.93	45
250051004	2012	10	18	23	V	2.6	1.4	2.66	32
250051004	2012	10	18	24	V	7.9	1.4	2.06	352
250051004	2012	10	19	1	V	9.4	1.4	2.76	15
250051004	2012	10	19	2	V	7.1	1.4	2.2	360
250051004	2012	10	19	3	V	9.1	1.4	2.74	11
250051004	2012	10	19	4	V	12.2	1.3	2.79	17
250051004	2012	10	19	5	V	10.4	1.4	2.54	15
250051004	2012	10	19	6	V	11.0	1.5	2.35	11
250051004	2012	10	19	7	V	11.3	1.4	2.2	17
250051004	2012	10	19	8	V	8.3	1.6	1.98	5
250051004	2012	10	19	9	V	8.2	1.8	2.11	50
250051004	2012	10	19	10	V	9.4	1.6	7.06	125

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	19	11	V	7.5	1.6	7.54	125
250051004	2012	10	19	12	V	8.9	1.6	7.69	125
250051004	2012	10	19	13	V	7.5	1.8	7.47	133
250051004	2012	10	19	14	V	7.0	1.7	6.26	148
250051004	2012	10	19	15	V	4.0	1.8	6.55	141
250051004	2012	10	19	16	V	3.7	1.8	5.51	128
250051004	2012	10	19	17	V	3.0	1.9	5.6	130
250051004	2012	10	19	18	V	2.7	1.9	6.7	148
250051004	2012	10	19	19	V	2.9	1.9	7.81	173
250051004	2012	10	19	20	V	2.7	1.8	5.9	181
250051004	2012	10	19	21	V	2.7	1.9	4.56	201
250051004	2012	10	19	22	V	2.6	1.9	3.51	157
250051004	2012	10	19	23	V	2.6	1.9	1.76	159
250051004	2012	10	19	24	V	7.9	1.9	2.49	133
250051004	2012	10	20	1	V	9.4	1.9	3.32	141
250051004	2012	10	20	2	V	7.1	1.9	4.24	202
250051004	2012	10	20	3	V	9.1	2	4.58	223
250051004	2012	10	20	4	V	12.2	2	2.74	222
250051004	2012	10	20	5	V	10.4	2.1	1.5	183
250051004	2012	10	20	6	V	11.0	2	2.04	131
250051004	2012	10	20	7	V	11.3	2	2.55	151
250051004	2012	10	20	8	V	8.3	2	2.69	166
250051004	2012	10	20	9	V	8.2	2	2.78	172
250051004	2012	10	20	10	V	9.4	2	3.15	163
250051004	2012	10	20	11	V	7.5	1.9	4.29	193
250051004	2012	10	20	12	V	8.9	2	4.88	234
250051004	2012	10	20	13	V	7.5	1.7	5.48	231
250051004	2012	10	20	14	V	7.0	2.3	7.28	223
250051004	2012	10	20	15	V	4.0	2.3	7.54	229
250051004	2012	10	20	16	V	3.7	2.2	6.87	215
250051004	2012	10	20	17	V	3.0	2.1	4.83	192
250051004	2012	10	20	18	V	2.7	2	3.86	201
250051004	2012	10	20	19	V	2.9	2	3.66	203
250051004	2012	10	20	20	V	2.7	2	4.31	215
250051004	2012	10	20	21	V	2.7	2.2	3.52	236
250051004	2012	10	20	22	V	2.6	2.2	4	260
250051004	2012	10	20	23	V	2.6	2.1	3.91	255
250051004	2012	10	20	24	V	7.9	2.3	3.58	243
250051004	2012	10	21	1	V	9.4	2.3	3.83	255
250051004	2012	10	21	2	V	7.1	2.1	1.87	236
250051004	2012	10	21	3	V	9.1	2.1	1.86	236
250051004	2012	10	21	4	V	12.2	2	1.96	252
250051004	2012	10	21	5	V	10.4	2	2.83	253
250051004	2012	10	21	6	V	11.0	2.3	3.3	264
250051004	2012	10	21	7	V	11.3	2.2	2.95	258
250051004	2012	10	21	8	V	8.3	2.6	3.22	257

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	21	9	V	8.2	2.5	3.51	244
250051004	2012	10	21	10	V	9.4	2.5	5.17	268
250051004	2012	10	21	11	V	7.5	2.4	5.82	286
250051004	2012	10	21	12	V	8.9	2.3	5.8	276
250051004	2012	10	21	13	V	7.5	2.2	5.82	297
250051004	2012	10	21	14	V	7.0	1.8	5.77	294
250051004	2012	10	21	15	V	4.0	1.9	5.87	291
250051004	2012	10	21	16	V	3.7	2	5.17	298
250051004	2012	10	21	17	V	3.0	2.2	4.66	285
250051004	2012	10	21	18	V	2.7	2.2	2.88	264
250051004	2012	10	21	19	V	2.9	-999	2.13	213
250051004	2012	10	21	20	V	2.7	1.7	2.47	237
250051004	2012	10	21	21	V	2.7	1.7	1.74	252
250051004	2012	10	21	22	V	2.6	1.8	2.25	232
250051004	2012	10	21	23	V	2.6	1.7	1.94	211
250051004	2012	10	21	24	V	7.9	1.9	2.55	259
250051004	2012	10	22	1	V	9.4	1.8	3.78	256
250051004	2012	10	22	2	V	7.1	2	4.1	250
250051004	2012	10	22	3	V	9.1	-999	4.19	248
250051004	2012	10	22	4	V	12.2	-999	3.4	259
250051004	2012	10	22	5	V	10.4	1.6	4.25	259
250051004	2012	10	22	6	V	11.0	1.9	4.9	262
250051004	2012	10	22	7	V	11.3	2.2	5.46	261
250051004	2012	10	22	8	V	8.3	2.2	6.65	264
250051004	2012	10	22	9	V	8.2	2.1	7.08	268
250051004	2012	10	22	10	V	9.4	2.1	6.92	277
250051004	2012	10	22	11	V	7.5	2	7.31	286
250051004	2012	10	22	12	V	8.9	2.2	7.11	290
250051004	2012	10	22	13	V	7.5	1.9	6.89	289
250051004	2012	10	22	14	V	7.0	2	7.03	299
250051004	2012	10	22	15	V	4.0	2.1	6.63	299
250051004	2012	10	22	16	V	3.7	2	5.44	299
250051004	2012	10	22	17	V	3.0	2	4.1	293
250051004	2012	10	22	18	V	2.7	2	2.96	266
250051004	2012	10	22	19	V	2.9	2.1	2.67	250
250051004	2012	10	22	20	V	2.7	2.2	3.1	254
250051004	2012	10	22	21	V	2.7	2.1	2.84	260
250051004	2012	10	22	22	V	2.6	2.1	3.18	268
250051004	2012	10	22	23	V	2.6	2	3.08	287
250051004	2012	10	22	24	V	7.9	2.1	2.67	271
250051004	2012	10	23	1	V	9.4	1.8	2.11	280
250051004	2012	10	23	2	V	7.1	1.8	1.4	302
250051004	2012	10	23	3	V	9.1	1.6	1.16	261
250051004	2012	10	23	4	V	12.2	1.7	1.18	203
250051004	2012	10	23	5	V	10.4	1.6	1.28	274
250051004	2012	10	23	6	V	11.0	1.7	1.35	314

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	23	7	V	11.3	2.1	0.86	252
250051004	2012	10	23	8	V	8.3	2.7	1.6	187
250051004	2012	10	23	9	V	8.2	2.7	2.49	281
250051004	2012	10	23	10	V	9.4	4.3	3.37	357
250051004	2012	10	23	11	V	7.5	2.4	1.28	355
250051004	2012	10	23	12	V	8.9	2.2	1.47	233
250051004	2012	10	23	13	V	7.5	2.2	3.15	166
250051004	2012	10	23	14	V	7.0	2.3	4.78	168
250051004	2012	10	23	15	V	4.0	-999	4.22	186
250051004	2012	10	23	16	V	3.7	2.2	3.17	198
250051004	2012	10	23	17	V	3.0	1.9	2.69	240
250051004	2012	10	23	18	V	2.7	1.9	2.35	258
250051004	2012	10	23	19	V	2.9	-999	2.49	265
250051004	2012	10	23	20	V	2.7	1.8	2.08	277
250051004	2012	10	23	21	V	2.7	1.9	1.82	265
250051004	2012	10	23	22	V	2.6	1.7	1.81	266
250051004	2012	10	23	23	V	2.6	1.6	1.98	275
250051004	2012	10	23	24	V	7.9	1.6	1.96	309
250051004	2012	10	24	1	V	9.4	1.9	2.23	351
250051004	2012	10	24	2	V	7.1	1.8	1.55	340
250051004	2012	10	24	3	V	9.1	1.6	2.35	7
250051004	2012	10	24	4	V	12.2	1.6	3.35	23
250051004	2012	10	24	5	V	10.4	1.6	3.4	18
250051004	2012	10	24	6	V	11.0	1.4	3.56	16
250051004	2012	10	24	7	V	11.3	1.7	3.93	20
250051004	2012	10	24	8	V	8.3	1.5	3.63	26
250051004	2012	10	24	9	V	8.2	1.5	4.03	34
250051004	2012	10	24	10	V	9.4	1.5	3.86	44
250051004	2012	10	24	11	V	7.5	1.5	3.61	51
250051004	2012	10	24	12	V	8.9	1.6	2.95	35
250051004	2012	10	24	13	V	7.5	1.8	3.64	42
250051004	2012	10	24	14	V	7.0	1.7	3.95	42
250051004	2012	10	24	15	V	4.0	1.7	2.49	52
250051004	2012	10	24	16	V	3.7	1.4	1.33	81
250051004	2012	10	24	17	V	3.0	1.5	1.98	88
250051004	2012	10	24	18	V	2.7	1.6	1.84	67
250051004	2012	10	24	19	V	2.9	1.6	1.91	77
250051004	2012	10	24	20	V	2.7	1.5	1.28	78
250051004	2012	10	24	21	V	2.7	1.5	1.55	60
250051004	2012	10	24	22	V	2.6	1.4	1.04	39
250051004	2012	10	24	23	V	2.6	1.4	0.55	54
250051004	2012	10	24	24	C	-999	1.4	0	0
250051004	2012	10	25	1	V	9.4	1.3	0.69	66
250051004	2012	10	25	2	V	7.1	1.7	0.87	27
250051004	2012	10	25	3	V	9.1	1.8	1.69	317
250051004	2012	10	25	4	V	12.2	1.7	1.69	281

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	25	5	V	10.4	1.9	0.87	26
250051004	2012	10	25	6	V	11.0	2.4	1.99	21
250051004	2012	10	25	7	V	11.3	2.4	0.92	339
250051004	2012	10	25	8	C	-999	2.6	0	0
250051004	2012	10	25	9	V	8.2	2.7	1.25	43
250051004	2012	10	25	10	V	9.4	1.9	1.33	54
250051004	2012	10	25	11	V	7.5	2.5	2.11	126
250051004	2012	10	25	12	V	8.9	2.7	2.73	147
250051004	2012	10	25	13	V	7.5	3.2	2.61	166
250051004	2012	10	25	14	V	7.0	1.5	3.22	173
250051004	2012	10	25	15	V	4.0	1.5	3.76	172
250051004	2012	10	25	16	V	3.7	1.4	3.86	184
250051004	2012	10	25	17	V	3.0	1.3	2.84	191
250051004	2012	10	25	18	V	2.7	1.3	1.91	173
250051004	2012	10	25	19	V	2.9	1.6	1.65	168
250051004	2012	10	25	20	V	2.7	1.4	1.23	189
250051004	2012	10	25	21	V	2.7	1.2	1.08	208
250051004	2012	10	25	22	V	2.6	1.4	0.77	209
250051004	2012	10	25	23	V	2.6	1.3	1.14	267
250051004	2012	10	25	24	V	7.9	1.3	0.72	302
250051004	2012	10	26	1	V	9.4	1.4	0.75	276
250051004	2012	10	26	2	V	7.1	1.4	1.06	280
250051004	2012	10	26	3	V	9.1	1.4	0.67	322
250051004	2012	10	26	4	V	12.2	1.1	0.91	293
250051004	2012	10	26	5	V	10.4	1.7	0.96	302
250051004	2012	10	26	6	V	11.0	1.8	0.97	291
250051004	2012	10	26	7	V	11.3	2.1	1.11	255
250051004	2012	10	26	8	V	8.3	2.6	0.79	224
250051004	2012	10	26	9	V	8.2	3.6	0.91	146
250051004	2012	10	26	10	V	9.4	-999	2.72	152
250051004	2012	10	26	11	V	7.5	-999	4.37	152
250051004	2012	10	26	12	V	8.9	-999	4.36	153
250051004	2012	10	26	13	V	7.5	2.3	4.99	151
250051004	2012	10	26	14	V	7.0	0.9	6.19	150
250051004	2012	10	26	15	V	4.0	0.9	6.01	149
250051004	2012	10	26	16	V	3.7	1.4	5.34	151
250051004	2012	10	26	17	V	3.0	1.5	3.61	159
250051004	2012	10	26	18	V	2.7	1.6	2.64	174
250051004	2012	10	26	19	V	2.9	-999	1.91	174
250051004	2012	10	26	20	V	2.7	1.2	1.57	181
250051004	2012	10	26	21	V	2.7	1.4	1.4	217
250051004	2012	10	26	22	V	2.6	1.3	1.43	252
250051004	2012	10	26	23	V	2.6	1.4	1.43	288
250051004	2012	10	26	24	V	7.9	1.5	0.86	256
250051004	2012	10	27	1	C	-999	1.6	0	0
250051004	2012	10	27	2	V	7.1	1.6	0.91	270

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	27	3	V	9.1	1.7	0.86	28
250051004	2012	10	27	4	V	12.2	1.7	1.3	35
250051004	2012	10	27	5	V	10.4	1.9	1.31	358
250051004	2012	10	27	6	V	11.0	2	1.21	38
250051004	2012	10	27	7	V	11.3	2.1	1.01	75
250051004	2012	10	27	8	V	8.3	2.4	1.04	7
250051004	2012	10	27	9	V	8.2	2.9	1.81	20
250051004	2012	10	27	10	V	9.4	2.3	2.73	18
250051004	2012	10	27	11	V	7.5	2.3	3.49	22
250051004	2012	10	27	12	V	8.9	2.3	2.76	7
250051004	2012	10	27	13	V	7.5	2.1	2.33	42
250051004	2012	10	27	14	V	7.0	1.9	2.39	42
250051004	2012	10	27	15	V	4.0	1.8	2.52	79
250051004	2012	10	27	16	V	3.7	1.9	3.63	101
250051004	2012	10	27	17	V	3.0	2.1	3.54	87
250051004	2012	10	27	18	V	2.7	1.8	5.38	74
250051004	2012	10	27	19	V	2.9	1.6	4.24	58
250051004	2012	10	27	20	V	2.7	1.7	4.1	38
250051004	2012	10	27	21	V	2.7	2	3.42	31
250051004	2012	10	27	22	V	2.6	2	4.75	27
250051004	2012	10	27	23	V	2.6	2.1	5.36	26
250051004	2012	10	27	24	V	7.9	1.9	5.29	35
250051004	2012	10	28	1	V	9.4	1.8	4.82	39
250051004	2012	10	28	2	V	7.1	1.6	4.17	36
250051004	2012	10	28	3	V	9.1	1.3	4.54	33
250051004	2012	10	28	4	V	12.2	1.8	4.37	35
250051004	2012	10	28	5	V	10.4	1.9	4.58	30
250051004	2012	10	28	6	V	11.0	1.9	4.99	35
250051004	2012	10	28	7	V	11.3	1.8	6.12	35
250051004	2012	10	28	8	V	8.3	1.9	6.45	48
250051004	2012	10	28	9	V	8.2	1.7	6.19	59
250051004	2012	10	28	10	V	9.4	1.7	6.41	61
250051004	2012	10	28	11	V	7.5	1.7	7.01	53
250051004	2012	10	28	12	V	8.9	1.6	7.88	39
250051004	2012	10	28	13	V	7.5	1.8	8.44	42
250051004	2012	10	28	14	V	7.0	1.9	9.13	51
250051004	2012	10	28	15	V	4.0	1.9	8.32	47
250051004	2012	10	28	16	V	3.7	1.8	7.4	52
250051004	2012	10	28	17	V	3.0	-999	6.89	45
250051004	2012	10	28	18	V	2.7	1.7	7.15	46
250051004	2012	10	28	19	V	2.9	1.9	7.77	46
250051004	2012	10	28	20	V	2.7	1.8	8.35	46
250051004	2012	10	28	21	V	2.7	1.8	7.09	40
250051004	2012	10	28	22	V	2.6	2	6.77	35
250051004	2012	10	28	23	V	2.6	1.8	8.67	36
250051004	2012	10	28	24	V	7.9	1.8	7.88	41

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	29	1	V	9.4	2	7.86	42
250051004	2012	10	29	2	V	7.1	2.1	9.27	48
250051004	2012	10	29	3	V	9.1	2.3	9.76	45
250051004	2012	10	29	4	V	12.2	2.2	9.59	37
250051004	2012	10	29	5	V	10.4	2.1	10.15	38
250051004	2012	10	29	6	V	11.0	2.4	10.29	39
250051004	2012	10	29	7	V	11.3	2.3	10.36	40
250051004	2012	10	29	8	V	8.3	2.2	10.65	39
250051004	2012	10	29	9	V	8.2	2.5	11.28	41
250051004	2012	10	29	10	V	9.4	2.5	11.99	44
250051004	2012	10	29	11	V	7.5	2.7	13.15	49
250051004	2012	10	29	12	V	8.9	2.9	13.62	54
250051004	2012	10	29	13	V	7.5	3	13.84	56
250051004	2012	10	29	14	V	7.0	3.1	14.59	61
250051004	2012	10	29	15	V	4.0	2.9	14.59	67
250051004	2012	10	29	16	V	3.7	3.1	15.13	83
250051004	2012	10	29	17	V	3.0	3	15.13	97
250051004	2012	10	29	18	V	2.7	3	14.15	99
250051004	2012	10	29	19	V	2.9	-999	11.62	101
250051004	2012	10	29	20	V	2.7	2.8	9.08	107
250051004	2012	10	29	21	V	2.7	3	6.96	103
250051004	2012	10	29	22	V	2.6	2.9	6.23	107
250051004	2012	10	29	23	V	2.6	2.8	6.77	120
250051004	2012	10	29	24	V	7.9	2.9	5.02	135
250051004	2012	10	30	1	V	9.4	2.7	5.85	131
250051004	2012	10	30	2	V	7.1	2.7	5.55	131
250051004	2012	10	30	3	V	9.1	2.7	6.01	129
250051004	2012	10	30	4	V	12.2	2.7	5.33	133
250051004	2012	10	30	5	V	10.4	2.6	5.58	123
250051004	2012	10	30	6	V	11.0	2.5	4.71	132
250051004	2012	10	30	7	V	11.3	2.6	2.15	138
250051004	2012	10	30	8	V	8.3	2.4	3.01	144
250051004	2012	10	30	9	V	8.2	2.3	4.32	144
250051004	2012	10	30	10	V	9.4	2.3	4.66	141
250051004	2012	10	30	11	V	7.5	2.3	4.76	141
250051004	2012	10	30	12	V	8.9	2.4	5.22	148
250051004	2012	10	30	13	V	7.5	2.2	4.63	147
250051004	2012	10	30	14	V	7.0	2.2	5.72	127
250051004	2012	10	30	15	V	4.0	2.3	4.29	133
250051004	2012	10	30	16	V	3.7	2.3	3.52	143
250051004	2012	10	30	17	V	3.0	2.3	4.08	174
250051004	2012	10	30	18	V	2.7	2.3	1.99	175
250051004	2012	10	30	19	V	2.9	2.5	2.93	111
250051004	2012	10	30	20	V	2.7	2.3	2.35	135
250051004	2012	10	30	21	V	2.7	2.3	2.23	123
250051004	2012	10	30	22	V	2.6	2.2	1.42	106

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	10	30	23	V	2.6	2.3	1.57	69
250051004	2012	10	30	24	V	7.9	2.3	2.36	307
250051004	2012	10	31	1	C	-999	2.4	0	0
250051004	2012	10	31	2	V	7.1	2.5	2.86	60
250051004	2012	10	31	3	V	9.1	2.6	1.21	329
250051004	2012	10	31	4	V	12.2	2.5	1.14	66
250051004	2012	10	31	5	V	10.4	2.7	2.57	215
250051004	2012	10	31	6	V	11.0	2.8	3.34	210
250051004	2012	10	31	7	V	11.3	9.1	4.73	217
250051004	2012	10	31	8	V	8.3	4.2	4.42	217
250051004	2012	10	31	9	V	8.2	8	3.71	219
250051004	2012	10	31	10	V	9.4	3.9	2.83	215
250051004	2012	10	31	11	V	7.5	3.8	3.61	201
250051004	2012	10	31	12	V	8.9	4.5	3.85	207
250051004	2012	10	31	13	V	7.5	4.5	3.17	214
250051004	2012	10	31	14	V	7.0	2.7	4.42	219
250051004	2012	10	31	15	V	4.0	2.6	3.97	216
250051004	2012	10	31	16	V	3.7	2.5	5.19	198
250051004	2012	10	31	17	V	3.0	2.4	3.91	206
250051004	2012	10	31	18	V	2.7	2.5	3.41	206
250051004	2012	10	31	19	V	2.9	2.5	2.98	214
250051004	2012	10	31	20	V	2.7	2.4	3.35	217
250051004	2012	10	31	21	V	2.7	2.6	2.73	212
250051004	2012	10	31	22	V	2.6	2.7	2.06	205
250051004	2012	10	31	23	V	2.6	2.6	1.45	192
250051004	2012	10	31	24	V	7.9	2.7	1.18	172
250051004	2012	11	1	1	V	9.4	2.9	2.08	218
250051004	2012	11	1	2	V	7.1	-999	2.39	229
250051004	2012	11	1	3	V	9.1	-999	2.4	205
250051004	2012	11	1	4	V	12.2	-999	2.61	222
250051004	2012	11	1	5	V	10.4	-999	2.54	243
250051004	2012	11	1	6	V	11.0	-999	1.37	213
250051004	2012	11	1	7	V	11.3	-999	1.08	176
250051004	2012	11	1	8	V	8.6	-999	0.75	172
250051004	2012	11	1	9	V	8.2	-999	2.47	235
250051004	2012	11	1	10	V	9.4	-999	4.61	238
250051004	2012	11	1	11	V	7.5	-999	5.04	234
250051004	2012	11	1	12	V	8.9	-999	4.77	234
250051004	2012	11	1	13	V	7.5	-999	5.65	222
250051004	2012	11	1	14	V	7.0	-999	5.67	221
250051004	2012	11	1	15	V	4.0	-999	5.17	218
250051004	2012	11	1	16	V	3.7	-999	4.29	222
250051004	2012	11	1	17	V	3.0	-999	3.54	229
250051004	2012	11	1	18	V	2.7	-999	3.17	240
250051004	2012	11	1	19	V	2.9	-999	3.13	240
250051004	2012	11	1	20	V	2.7	-999	2.52	242

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	1	21	V	2.7	-999	2.22	245
250051004	2012	11	1	22	V	2.6	-999	2.35	261
250051004	2012	11	1	23	V	2.6	-999	3.2	270
250051004	2012	11	1	24	V	7.9	-999	3.15	274
250051004	2012	11	2	1	V	9.4	-999	2.28	257
250051004	2012	11	2	2	V	7.1	-999	2.32	257
250051004	2012	11	2	3	V	9.1	-999	2.42	271
250051004	2012	11	2	4	V	12.2	-999	1.6	267
250051004	2012	11	2	5	V	10.4	-999	1.71	273
250051004	2012	11	2	6	V	11.0	-999	1.62	245
250051004	2012	11	2	7	V	11.3	-999	1.74	230
250051004	2012	11	2	8	V	8.3	-999	2.49	267
250051004	2012	11	2	9	V	8.2	-999	3.39	275
250051004	2012	11	2	10	V	9.4	3.5	4.36	282
250051004	2012	11	2	11	V	7.5	3.1	4.48	289
250051004	2012	11	2	12	V	8.9	3.1	4.82	299
250051004	2012	11	2	13	V	7.5	2.7	4.61	302
250051004	2012	11	2	14	V	7.0	2.7	4.58	293
250051004	2012	11	2	15	V	4.0	2.9	5.19	285
250051004	2012	11	2	16	V	3.7	2.8	3.64	310
250051004	2012	11	2	17	V	3.0	2.9	3.17	325
250051004	2012	11	2	18	V	2.7	6.1	2.49	320
250051004	2012	11	2	19	V	2.9	-999	3.54	297
250051004	2012	11	2	20	V	2.7	2.9	4.83	303
250051004	2012	11	2	21	V	2.7	2.9	5.79	301
250051004	2012	11	2	22	V	2.6	2.7	5.22	293
250051004	2012	11	2	23	V	2.6	3	4.12	277
250051004	2012	11	2	24	V	7.9	2.9	4.05	292
250051004	2012	11	3	1	V	9.4	2.7	4.44	302
250051004	2012	11	3	2	V	7.1	2.6	4.36	289
250051004	2012	11	3	3	V	9.1	3	4.34	281
250051004	2012	11	3	4	V	12.2	2.8	4.31	291
250051004	2012	11	3	5	V	10.4	2.4	3.9	296
250051004	2012	11	3	6	V	11.0	2.5	3.73	300
250051004	2012	11	3	7	V	11.3	3	4.1	312
250051004	2012	11	3	8	V	8.3	2.7	4.76	306
250051004	2012	11	3	9	V	8.5	2.6	4.83	310
250051004	2012	11	3	10	V	10.5	16.8	5.24	310
250051004	2012	11	3	11	V	11.8	17.9	5.33	315
250051004	2012	11	3	12	V	10.4	9.9	5.24	309
250051004	2012	11	3	13	V	10.0	2.6	4.78	313
250051004	2012	11	3	14	V	7.6	3	5	306
250051004	2012	11	3	15	V	9.6	2.5	5.19	319
250051004	2012	11	3	16	V	6.1	2.3	5.43	318
250051004	2012	11	3	17	V	3.0	2.5	5.36	315
250051004	2012	11	3	18	V	2.7	2.1	5.29	311

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	3	19	V	2.9	2	4.48	309
250051004	2012	11	3	20	V	2.7	1.7	4.48	303
250051004	2012	11	3	21	V	2.7	2.4	3.73	298
250051004	2012	11	3	22	V	2.6	2.3	3.56	298
250051004	2012	11	3	23	V	2.6	2.2	3.34	295
250051004	2012	11	3	24	V	7.9	2.1	3.4	289
250051004	2012	11	4	1	V	9.4	2.4	3.52	278
250051004	2012	11	4	2	V	7.1	2.6	3.57	280
250051004	2012	11	4	3	V	9.1	2.4	2.9	281
250051004	2012	11	4	4	V	12.2	2.3	2.83	286
250051004	2012	11	4	5	V	10.4	2.3	2.71	289
250051004	2012	11	4	6	V	11.0	2.2	2.56	275
250051004	2012	11	4	7	V	11.3	2.3	2.74	276
250051004	2012	11	4	8	V	8.3	2.4	3.78	301
250051004	2012	11	4	9	V	13.9	9.9	4.78	323
250051004	2012	11	4	10	V	13.1	27.1	4.41	316
250051004	2012	11	4	11	V	13.3	10.3	3.9	338
250051004	2012	11	4	12	V	18.1	13.5	2.95	325
250051004	2012	11	4	13	V	12.2	2.5	2.84	312
250051004	2012	11	4	14	V	12.4	2.3	3.01	316
250051004	2012	11	4	15	V	11.3	3.1	3.37	323
250051004	2012	11	4	16	V	3.7	2.4	3.76	294
250051004	2012	11	4	17	V	3.0	2.4	3.46	309
250051004	2012	11	4	18	V	2.7	2.2	4.19	330
250051004	2012	11	4	19	V	2.9	2	5.97	1
250051004	2012	11	4	20	V	2.7	1.9	3.92	345
250051004	2012	11	4	21	V	2.7	2.3	2.37	331
250051004	2012	11	4	22	V	2.6	3.7	1.86	297
250051004	2012	11	4	23	V	2.6	4.3	1.45	297
250051004	2012	11	4	24	V	7.9	3.3	1.86	282
250051004	2012	11	5	1	V	9.4	2.6	1.82	336
250051004	2012	11	5	2	V	7.1	2.4	1.42	303
250051004	2012	11	5	3	V	9.1	-999	3.56	353
250051004	2012	11	5	4	V	12.2	-999	5.72	350
250051004	2012	11	5	5	V	10.4	2	6.24	356
250051004	2012	11	5	6	V	11.0	2.2	5.68	347
250051004	2012	11	5	7	V	11.3	4.1	4.09	331
250051004	2012	11	5	8	V	10.6	25.4	4.44	332
250051004	2012	11	5	9	V	9.9	4.3	5.24	338
250051004	2012	11	5	10	V	12.3	4.5	5.24	337
250051004	2012	11	5	11	V	10.3	10.1	5.1	338
250051004	2012	11	5	12	V	9.8	5.3	4.71	344
250051004	2012	11	5	13	V	12.3	5.3	4.76	337
250051004	2012	11	5	14	V	7.5	4.1	5.07	349
250051004	2012	11	5	15	V	4.0	11.7	5.6	354
250051004	2012	11	5	16	V	3.8	10.4	5.27	344

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	5	17	V	3.0	33.4	4.78	348
250051004	2012	11	5	18	V	2.7	8.5	4.08	343
250051004	2012	11	5	19	V	2.9	-999	3.91	333
250051004	2012	11	5	20	V	2.7	8	3.93	334
250051004	2012	11	5	21	V	2.7	2.3	3.56	346
250051004	2012	11	5	22	V	2.6	2.2	3.27	343
250051004	2012	11	5	23	V	2.6	2.4	2.88	338
250051004	2012	11	5	24	V	7.9	2.2	2.16	332
250051004	2012	11	6	1	V	9.4	2	2.57	334
250051004	2012	11	6	2	V	7.1	2.1	2.44	317
250051004	2012	11	6	3	V	9.1	12.5	2.01	301
250051004	2012	11	6	4	V	12.2	14.2	2.05	313
250051004	2012	11	6	5	V	10.4	5.2	2.78	334
250051004	2012	11	6	6	V	11.0	3.1	1.53	6
250051004	2012	11	6	7	V	11.3	3	2.23	356
250051004	2012	11	6	8	V	8.3	3.4	1.48	247
250051004	2012	11	6	9	V	8.7	3.6	3.59	354
250051004	2012	11	6	10	V	9.4	2.4	4.87	7
250051004	2012	11	6	11	V	7.5	2.3	4.25	15
250051004	2012	11	6	12	V	9.2	2	2.23	46
250051004	2012	11	6	13	V	8.0	1.9	1.96	22
250051004	2012	11	6	14	V	7.3	2	2.16	14
250051004	2012	11	6	15	V	4.2	2	1.94	37
250051004	2012	11	6	16	V	3.7	1.9	2.74	47
250051004	2012	11	6	17	V	3.0	2.2	2.1	61
250051004	2012	11	6	18	V	2.7	2.3	2.49	59
250051004	2012	11	6	19	V	2.9	2.1	3.1	59
250051004	2012	11	6	20	V	2.7	2.3	3.06	70
250051004	2012	11	6	21	V	2.7	2.3	3.69	63
250051004	2012	11	6	22	V	2.6	2	3.76	50
250051004	2012	11	6	23	V	2.6	2.1	3.12	47
250051004	2012	11	6	24	V	7.9	2.3	3.47	30
250051004	2012	11	7	1	V	9.4	2.4	3.63	20
250051004	2012	11	7	2	V	7.1	2.7	4.83	3
250051004	2012	11	7	3	V	9.1	2.8	5.02	6
250051004	2012	11	7	4	V	12.2	2.7	5.5	11
250051004	2012	11	7	5	V	10.4	2.6	6.53	21
250051004	2012	11	7	6	V	11.0	2.4	5.58	10
250051004	2012	11	7	7	V	11.3	2.3	6.58	4
250051004	2012	11	7	8	V	8.3	2.3	6.69	358
250051004	2012	11	7	9	V	8.2	2.3	8.9	24
250051004	2012	11	7	10	V	9.4	2.4	10.87	31
250051004	2012	11	7	11	V	7.5	2.4	11.45	31
250051004	2012	11	7	12	V	8.9	2.4	8.4	6
250051004	2012	11	7	13	V	7.5	2.3	8.79	16
250051004	2012	11	7	14	V	7.0	2.4	8.73	10

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	7	15	V	4.0	2.3	10.58	16
250051004	2012	11	7	16	V	3.7	2.5	9.87	12
250051004	2012	11	7	17	V	3.0	2.4	9.85	12
250051004	2012	11	7	18	V	2.7	2.5	10.8	9
250051004	2012	11	7	19	V	2.9	2.4	10.36	10
250051004	2012	11	7	20	V	2.7	2.3	11.36	6
250051004	2012	11	7	21	V	2.7	2.3	11.68	7
250051004	2012	11	7	22	V	2.6	2.3	12.6	8
250051004	2012	11	7	23	V	2.6	2.5	12.82	6
250051004	2012	11	7	24	V	7.9	2.6	12.58	9
250051004	2012	11	8	1	V	9.4	2.6	12.84	8
250051004	2012	11	8	2	V	7.1	2.7	12.23	7
250051004	2012	11	8	3	V	9.1	2.6	12.65	7
250051004	2012	11	8	4	V	12.2	2.3	12.87	5
250051004	2012	11	8	5	V	10.4	2.5	13.21	3
250051004	2012	11	8	6	V	11.0	2.8	12.67	2
250051004	2012	11	8	7	V	11.3	2.8	13.15	360
250051004	2012	11	8	8	V	8.3	2.8	12.89	360
250051004	2012	11	8	9	V	8.2	2.8	12.62	356
250051004	2012	11	8	10	V	9.4	3	13.13	355
250051004	2012	11	8	11	V	7.5	2.9	12.7	354
250051004	2012	11	8	12	V	8.9	2.9	12.33	352
250051004	2012	11	8	13	V	7.5	3	12.62	353
250051004	2012	11	8	14	V	7.0	3.1	10.97	351
250051004	2012	11	8	15	V	4.0	2.8	10.94	349
250051004	2012	11	8	16	V	3.7	2.7	10.04	348
250051004	2012	11	8	17	V	3.0	2.7	8.9	345
250051004	2012	11	8	18	V	2.7	2.6	8.83	344
250051004	2012	11	8	19	V	2.9	-999	8.98	346
250051004	2012	11	8	20	V	2.7	2.3	7.81	344
250051004	2012	11	8	21	V	3.5	2.4	6.52	333
250051004	2012	11	8	22	V	3.2	2.5	6.62	334
250051004	2012	11	8	23	V	3.1	2.6	6.09	333
250051004	2012	11	8	24	V	9.3	3.8	5.43	326
250051004	2012	11	9	1	V	10.3	35.9	5.48	325
250051004	2012	11	9	2	V	7.3	44.1	5.41	324
250051004	2012	11	9	3	V	9.3	38.9	4.8	323
250051004	2012	11	9	4	V	12.3	35.3	5.16	325
250051004	2012	11	9	5	V	10.4	39.5	4.92	322
250051004	2012	11	9	6	V	11.0	8.1	4.65	318
250051004	2012	11	9	7	V	11.3	24.6	4.7	324
250051004	2012	11	9	8	V	22.2	56	5.48	324
250051004	2012	11	9	9	V	27.2	65.9	5.34	328
250051004	2012	11	9	10	V	24.2	36.3	6.02	333
250051004	2012	11	9	11	V	21.1	42.6	6.58	333
250051004	2012	11	9	12	V	24.3	40.5	6.84	325

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	9	13	V	23.7	21.9	6.33	328
250051004	2012	11	9	14	V	18.3	32.7	5.31	320
250051004	2012	11	9	15	V	5.2	18	6.19	311
250051004	2012	11	9	16	V	6.9	5.6	5.72	318
250051004	2012	11	9	17	V	3.0	2.6	4.29	307
250051004	2012	11	9	18	V	2.7	2.8	3.85	309
250051004	2012	11	9	19	V	2.9	2.3	3.46	305
250051004	2012	11	9	20	V	2.7	2.4	3.37	310
250051004	2012	11	9	21	V	2.7	2.5	3.13	300
250051004	2012	11	9	22	V	2.6	2.8	1.86	294
250051004	2012	11	9	23	V	2.6	3.3	1.81	259
250051004	2012	11	9	24	V	7.9	2.8	3.15	265
250051004	2012	11	10	1	V	9.4	2.9	3.46	257
250051004	2012	11	10	2	V	7.1	2.6	3.32	256
250051004	2012	11	10	3	V	9.1	3.1	3.37	257
250051004	2012	11	10	4	V	12.2	3.1	3.07	260
250051004	2012	11	10	5	V	10.4	2.8	2.33	254
250051004	2012	11	10	6	V	11.0	3.3	2.88	261
250051004	2012	11	10	7	V	11.3	3.2	2.98	258
250051004	2012	11	10	8	V	8.3	3.9	3.39	256
250051004	2012	11	10	9	V	8.2	3.3	3.12	274
250051004	2012	11	10	10	V	9.7	3.3	3.44	319
250051004	2012	11	10	11	V	8.0	2.5	3.71	331
250051004	2012	11	10	12	V	9.4	3.5	2.98	346
250051004	2012	11	10	13	V	8.0	2.7	2.74	355
250051004	2012	11	10	14	V	7.9	13.6	1.89	358
250051004	2012	11	10	15	V	4.1	11.4	1.81	46
250051004	2012	11	10	16	V	3.7	2.7	1.79	113
250051004	2012	11	10	17	V	3.0	2.2	1.89	160
250051004	2012	11	10	18	V	2.7	2.7	1.55	181
250051004	2012	11	10	19	V	2.9	1.9	0.53	177
250051004	2012	11	10	20	V	2.7	1.5	2.11	96
250051004	2012	11	10	21	V	2.7	1.8	1.31	119
250051004	2012	11	10	22	V	2.6	1.7	0.55	276
250051004	2012	11	10	23	V	2.6	1.7	1.04	47
250051004	2012	11	10	24	V	7.9	1.7	0.57	356
250051004	2012	11	11	1	V	9.4	1.7	0.79	23
250051004	2012	11	11	2	V	7.1	1.9	1.13	256
250051004	2012	11	11	3	V	9.1	2	0.72	311
250051004	2012	11	11	4	V	12.2	2.2	0.87	30
250051004	2012	11	11	5	V	10.4	1.9	0.8	320
250051004	2012	11	11	6	V	11.0	1.9	0.58	169
250051004	2012	11	11	7	C	-999	2.1	0	0
250051004	2012	11	11	8	V	8.3	1.9	0.72	223
250051004	2012	11	11	9	V	8.2	1.4	1.03	170
250051004	2012	11	11	10	V	9.4	1.7	4.65	192

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	11	11	V	7.5	1.3	5.33	191
250051004	2012	11	11	12	V	8.9	1.6	5.22	198
250051004	2012	11	11	13	V	7.5	3	5.31	219
250051004	2012	11	11	14	V	7.0	3.4	4.77	212
250051004	2012	11	11	15	V	4.0	2.8	5.1	212
250051004	2012	11	11	16	V	3.7	2.9	5.7	201
250051004	2012	11	11	17	V	3.0	3.1	4.88	202
250051004	2012	11	11	18	V	2.7	2.6	3.49	193
250051004	2012	11	11	19	V	2.9	-999	3.44	187
250051004	2012	11	11	20	V	2.7	1.9	3.41	193
250051004	2012	11	11	21	V	2.7	1.9	3.17	189
250051004	2012	11	11	22	V	2.6	1.9	2.76	203
250051004	2012	11	11	23	V	2.6	1.5	2.66	220
250051004	2012	11	11	24	V	7.9	1.6	3.12	207
250051004	2012	11	12	1	V	9.4	1.6	2.81	175
250051004	2012	11	12	2	V	7.1	1.6	2.95	173
250051004	2012	11	12	3	V	9.1	1.9	2.88	175
250051004	2012	11	12	4	V	12.2	25.5	2.54	173
250051004	2012	11	12	5	V	10.4	3.2	2.59	169
250051004	2012	11	12	6	V	11.0	3.8	3.07	197
250051004	2012	11	12	7	V	11.3	5.6	3.3	205
250051004	2012	11	12	8	V	8.3	10.5	3.68	192
250051004	2012	11	12	9	V	8.2	9.5	3.91	204
250051004	2012	11	12	10	V	9.4	11.2	3.88	184
250051004	2012	11	12	11	V	7.5	11	5.75	193
250051004	2012	11	12	12	V	8.9	7.6	5.8	198
250051004	2012	11	12	13	V	7.5	6.7	7.3	197
250051004	2012	11	12	14	V	7.0	6.1	6.52	197
250051004	2012	11	12	15	V	4.0	1.8	6.77	202
250051004	2012	11	12	16	V	3.7	1.6	5.48	198
250051004	2012	11	12	17	V	3.0	1.4	3.56	164
250051004	2012	11	12	18	V	2.7	1.4	3.34	162
250051004	2012	11	12	19	V	2.9	1.3	4.31	166
250051004	2012	11	12	20	V	2.7	1.4	4.65	168
250051004	2012	11	12	21	V	2.7	1.4	4.29	172
250051004	2012	11	12	22	V	2.6	1.5	5.39	179
250051004	2012	11	12	23	V	2.6	1.5	5.19	177
250051004	2012	11	12	24	V	7.9	1.5	5.5	178
250051004	2012	11	13	1	V	9.4	1.4	5.07	176
250051004	2012	11	13	2	V	7.1	1.5	5.75	180
250051004	2012	11	13	3	V	9.1	1.5	7.26	186
250051004	2012	11	13	4	V	12.2	3.9	7.83	192
250051004	2012	11	13	5	V	10.4	3.7	7.13	197
250051004	2012	11	13	6	V	11.0	5	8.01	198
250051004	2012	11	13	7	V	11.3	4	7.18	196
250051004	2012	11	13	8	V	8.3	8.3	6.6	201

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	13	9	V	8.2	8	6.96	263
250051004	2012	11	13	10	V	10.1	13.7	5.58	317
250051004	2012	11	13	11	V	7.5	5	4.85	334
250051004	2012	11	13	12	V	8.9	1.9	3.95	331
250051004	2012	11	13	13	V	7.5	1.8	3.8	340
250051004	2012	11	13	14	V	7.0	2.6	4.71	331
250051004	2012	11	13	15	V	4.0	3.4	4.97	322
250051004	2012	11	13	16	V	3.7	5.7	3.83	330
250051004	2012	11	13	17	V	3.0	8.9	2.93	327
250051004	2012	11	13	18	V	2.7	1.7	3.29	340
250051004	2012	11	13	19	V	2.9	1.5	2.96	340
250051004	2012	11	13	20	V	2.7	1.8	5.11	346
250051004	2012	11	13	21	V	2.7	1.5	6.07	349
250051004	2012	11	13	22	V	2.6	1.5	5.05	349
250051004	2012	11	13	23	V	2.6	1.5	5.46	356
250051004	2012	11	13	24	V	7.9	1.4	6.43	358
250051004	2012	11	14	1	V	9.4	1.4	6.41	356
250051004	2012	11	14	2	V	7.1	1.5	5.67	355
250051004	2012	11	14	3	V	9.1	1.4	5.53	357
250051004	2012	11	14	4	V	12.2	1.5	5.38	356
250051004	2012	11	14	5	V	10.4	1.4	4.95	356
250051004	2012	11	14	6	V	11.0	1.6	5.56	350
250051004	2012	11	14	7	V	11.3	1.6	6.07	360
250051004	2012	11	14	8	V	8.3	1.8	6.4	360
250051004	2012	11	14	9	V	8.2	1.9	7.21	10
250051004	2012	11	14	10	V	9.4	1.7	7.18	12
250051004	2012	11	14	11	V	7.5	1.4	7.69	16
250051004	2012	11	14	12	V	8.9	1.5	7.48	24
250051004	2012	11	14	13	V	7.5	1.5	7.26	26
250051004	2012	11	14	14	V	7.0	1.6	6.94	23
250051004	2012	11	14	15	V	4.0	1.4	5.99	37
250051004	2012	11	14	16	V	3.7	1.3	4.75	43
250051004	2012	11	14	17	V	3.0	1.3	4.39	42
250051004	2012	11	14	18	V	2.7	1.6	3.13	36
250051004	2012	11	14	19	V	2.9	-999	2.78	20
250051004	2012	11	14	20	V	2.7	1.8	3.06	18
250051004	2012	11	14	21	V	2.7	1.9	3.61	5
250051004	2012	11	14	22	V	2.6	1.8	3.37	344
250051004	2012	11	14	23	V	2.6	1.7	4.36	342
250051004	2012	11	14	24	V	7.9	2.2	4.82	355
250051004	2012	11	15	1	V	9.4	2.4	5.67	2
250051004	2012	11	15	2	V	7.1	2.3	5.43	1
250051004	2012	11	15	3	V	9.1	1.8	5.44	359
250051004	2012	11	15	4	V	12.2	1.9	5.78	352
250051004	2012	11	15	5	V	10.4	1.9	5.5	355
250051004	2012	11	15	6	V	11.0	1.9	5.39	355

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	15	7	V	11.3	2.4	5.53	350
250051004	2012	11	15	8	V	8.3	2.6	5.9	351
250051004	2012	11	15	9	V	8.2	3.8	5.72	351
250051004	2012	11	15	10	V	9.4	2.9	6.04	356
250051004	2012	11	15	11	V	7.5	2.1	6.65	359
250051004	2012	11	15	12	V	8.9	2.2	5.87	3
250051004	2012	11	15	13	V	7.5	1.7	5.72	8
250051004	2012	11	15	14	V	7.0	1.9	5.89	13
250051004	2012	11	15	15	V	4.0	1.8	5.29	10
250051004	2012	11	15	16	V	3.7	1.8	5.12	20
250051004	2012	11	15	17	V	3.0	1.7	4.54	38
250051004	2012	11	15	18	V	2.7	1.6	2.84	42
250051004	2012	11	15	19	V	2.9	1.7	1.98	20
250051004	2012	11	15	20	V	2.7	1.7	2.03	343
250051004	2012	11	15	21	V	2.7	1.9	2.54	324
250051004	2012	11	15	22	V	2.6	1.9	3.18	331
250051004	2012	11	15	23	V	2.6	2	3.08	334
250051004	2012	11	15	24	V	7.9	2.1	3.69	349
250051004	2012	11	16	1	V	9.4	2.4	3.66	345
250051004	2012	11	16	2	V	7.1	2.4	3.23	341
250051004	2012	11	16	3	V	9.1	2.2	3.2	345
250051004	2012	11	16	4	V	12.2	2.1	3.25	346
250051004	2012	11	16	5	V	10.4	2.1	3.08	346
250051004	2012	11	16	6	V	11.0	2.4	3.29	343
250051004	2012	11	16	7	V	11.3	2.8	3.3	350
250051004	2012	11	16	8	V	8.3	3.3	2.69	346
250051004	2012	11	16	9	V	8.2	2.8	3.81	350
250051004	2012	11	16	10	V	9.4	3	4.63	3
250051004	2012	11	16	11	V	7.5	2.8	4.83	9
250051004	2012	11	16	12	V	8.9	3.2	4.29	1
250051004	2012	11	16	13	V	7.6	3.5	3.52	13
250051004	2012	11	16	14	V	7.1	2.9	3	7
250051004	2012	11	16	15	V	4.0	2.1	2.98	26
250051004	2012	11	16	16	V	3.7	2	2.71	15
250051004	2012	11	16	17	V	3.0	2.2	2.96	13
250051004	2012	11	16	18	V	2.7	2.2	3.35	4
250051004	2012	11	16	19	V	2.9	2.3	1.99	14
250051004	2012	11	16	20	V	2.7	2.2	1.74	1
250051004	2012	11	16	21	V	2.7	2.4	1.74	330
250051004	2012	11	16	22	V	2.6	2.4	1.59	307
250051004	2012	11	16	23	V	2.6	2.2	1.54	326
250051004	2012	11	16	24	V	7.9	2.6	2.39	341
250051004	2012	11	17	1	V	9.4	2.5	3.46	345
250051004	2012	11	17	2	V	7.1	2.2	3.12	341
250051004	2012	11	17	3	V	9.1	2.3	3.68	341
250051004	2012	11	17	4	V	12.2	2.2	4.26	346

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	17	5	V	10.4	2.3	4.03	352
250051004	2012	11	17	6	V	11.0	2.2	3.93	355
250051004	2012	11	17	7	V	11.3	2.2	4.75	355
250051004	2012	11	17	8	V	8.3	2.5	4.7	350
250051004	2012	11	17	9	V	8.2	2.4	5.51	355
250051004	2012	11	17	10	V	9.5	2.4	4.94	360
250051004	2012	11	17	11	V	7.5	2.3	4.83	17
250051004	2012	11	17	12	V	9.0	2	4.32	30
250051004	2012	11	17	13	V	7.6	1.9	3.81	16
250051004	2012	11	17	14	V	7.5	1.9	2.95	358
250051004	2012	11	17	15	V	4.1	2	2.55	6
250051004	2012	11	17	16	V	3.7	1.7	2.45	3
250051004	2012	11	17	17	V	3.0	1.5	2.16	23
250051004	2012	11	17	18	V	2.7	1.3	2.2	73
250051004	2012	11	17	19	V	2.9	-999	1.71	82
250051004	2012	11	17	20	V	2.7	1.6	1.71	44
250051004	2012	11	17	21	V	2.7	1.8	1.11	5
250051004	2012	11	17	22	V	2.6	1.7	1.03	328
250051004	2012	11	17	23	V	2.6	1.7	1.31	309
250051004	2012	11	17	24	V	7.9	1.8	2.21	337
250051004	2012	11	18	1	V	9.4	1.8	1.37	271
250051004	2012	11	18	2	V	7.1	2	1.21	297
250051004	2012	11	18	3	V	9.1	1.7	1.04	305
250051004	2012	11	18	4	V	12.2	1.6	1.3	296
250051004	2012	11	18	5	V	10.4	1.6	1.35	295
250051004	2012	11	18	6	V	11.0	1.5	1.3	314
250051004	2012	11	18	7	V	11.3	1.6	3.03	347
250051004	2012	11	18	8	V	8.3	2.3	3.07	350
250051004	2012	11	18	9	V	8.3	2.9	4.03	359
250051004	2012	11	18	10	V	9.5	2.9	3.81	14
250051004	2012	11	18	11	V	7.6	2.8	3.35	37
250051004	2012	11	18	12	V	9.0	1.9	4.24	62
250051004	2012	11	18	13	V	7.6	1.4	4.66	41
250051004	2012	11	18	14	V	7.1	1.3	4.8	49
250051004	2012	11	18	15	V	4.0	1.3	4.82	45
250051004	2012	11	18	16	V	3.7	1.3	4.7	54
250051004	2012	11	18	17	V	3.0	1.3	4.24	57
250051004	2012	11	18	18	V	2.7	1.5	4.61	49
250051004	2012	11	18	19	V	2.9	1.6	3.66	28
250051004	2012	11	18	20	V	2.7	2	3.86	29
250051004	2012	11	18	21	V	2.7	1.8	3.3	19
250051004	2012	11	18	22	V	2.6	2	3.08	360
250051004	2012	11	18	23	V	2.6	1.9	2.83	355
250051004	2012	11	18	24	V	7.9	2.4	2.66	358
250051004	2012	11	19	1	V	9.4	2.1	2.86	355
250051004	2012	11	19	2	V	7.1	2.3	4.36	349

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	19	3	V	9.1	-999	3.63	349
250051004	2012	11	19	4	V	12.2	-999	3.98	346
250051004	2012	11	19	5	V	10.4	1.9	4.73	357
250051004	2012	11	19	6	V	11.0	1.9	3.69	357
250051004	2012	11	19	7	V	11.3	2.6	3.27	356
250051004	2012	11	19	8	V	8.3	3	3.61	355
250051004	2012	11	19	9	V	8.2	3.4	4.17	356
250051004	2012	11	19	10	V	9.4	3.5	4.68	1
250051004	2012	11	19	11	V	7.5	3.6	4.29	14
250051004	2012	11	19	12	V	8.9	3.2	4.82	15
250051004	2012	11	19	13	V	7.6	2.5	4.7	20
250051004	2012	11	19	14	V	7.0	2.3	4.14	30
250051004	2012	11	19	15	V	4.0	1.9	4.31	43
250051004	2012	11	19	16	V	3.7	1.9	3.42	24
250051004	2012	11	19	17	V	3.0	1.8	3.73	23
250051004	2012	11	19	18	V	2.7	1.9	4.41	21
250051004	2012	11	19	19	V	2.9	2	4.03	21
250051004	2012	11	19	20	V	2.7	2.1	3.9	16
250051004	2012	11	19	21	V	2.7	2.3	3.85	9
250051004	2012	11	19	22	V	2.6	2.5	3.1	353
250051004	2012	11	19	23	V	2.6	2.5	3.32	347
250051004	2012	11	19	24	V	7.9	2.4	2.66	358
250051004	2012	11	20	1	V	9.4	2.5	3.1	355
250051004	2012	11	20	2	V	7.1	2.5	3.68	354
250051004	2012	11	20	3	V	9.1	2.5	4.15	350
250051004	2012	11	20	4	V	12.2	2.4	4.15	346
250051004	2012	11	20	5	V	10.4	2.5	4.56	341
250051004	2012	11	20	6	V	11.0	2.4	4.46	342
250051004	2012	11	20	7	V	11.3	2.4	4.39	351
250051004	2012	11	20	8	V	8.3	2.8	4.15	349
250051004	2012	11	20	9	V	8.2	3.6	4.56	354
250051004	2012	11	20	10	V	9.5	3.6	3.93	8
250051004	2012	11	20	11	V	7.5	3.3	4.12	22
250051004	2012	11	20	12	V	9.0	2.7	4.08	40
250051004	2012	11	20	13	V	7.6	2.4	4.68	46
250051004	2012	11	20	14	V	7.0	2.2	4.44	58
250051004	2012	11	20	15	V	4.0	2.2	3.57	31
250051004	2012	11	20	16	V	3.7	-999	3.68	21
250051004	2012	11	20	17	V	3.0	-999	3.22	22
250051004	2012	11	20	18	V	2.7	0.4	3.42	26
250051004	2012	11	20	19	V	2.9	-999	3.29	34
250051004	2012	11	20	20	V	2.7	0.5	2.83	39
250051004	2012	11	20	21	V	2.7	0	2.74	21
250051004	2012	11	20	22	V	2.6	1.1	2.32	6
250051004	2012	11	20	23	V	2.6	0.9	2.56	346
250051004	2012	11	20	24	V	7.9	0.9	2.89	340

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	21	1	V	9.4	0.8	3.54	342
250051004	2012	11	21	2	V	7.1	1	3.46	343
250051004	2012	11	21	3	V	9.1	1.2	3.42	344
250051004	2012	11	21	4	V	12.2	1.4	2.96	356
250051004	2012	11	21	5	V	10.4	1.9	3	352
250051004	2012	11	21	6	V	11.0	1.9	3.32	345
250051004	2012	11	21	7	V	11.3	2.1	3.52	340
250051004	2012	11	21	8	V	8.3	2.5	4.46	350
250051004	2012	11	21	9	V	8.2	2.3	4.31	360
250051004	2012	11	21	10	V	9.4	2.2	4.94	8
250051004	2012	11	21	11	V	7.5	2.1	5.38	17
250051004	2012	11	21	12	V	8.9	1.5	6.07	11
250051004	2012	11	21	13	V	7.5	1	5.07	24
250051004	2012	11	21	14	V	7.0	0.7	5.75	48
250051004	2012	11	21	15	V	4.0	0.5	5.31	47
250051004	2012	11	21	16	V	3.7	0.6	4.95	28
250051004	2012	11	21	17	V	3.0	0.5	4.1	26
250051004	2012	11	21	18	V	2.7	0.5	3.98	21
250051004	2012	11	21	19	V	2.9	0.5	3.42	24
250051004	2012	11	21	20	V	2.7	0.5	3.64	360
250051004	2012	11	21	21	V	2.7	0.3	3.59	355
250051004	2012	11	21	22	V	2.6	0.4	4.37	358
250051004	2012	11	21	23	V	2.6	0.6	3.63	357
250051004	2012	11	21	24	V	7.9	0.4	2.79	358
250051004	2012	11	22	1	V	9.4	0.6	2.98	347
250051004	2012	11	22	2	V	7.1	0.4	3.18	348
250051004	2012	11	22	3	V	9.1	0.4	2.78	349
250051004	2012	11	22	4	V	12.2	0.5	3.47	350
250051004	2012	11	22	5	V	10.4	0.3	3.27	348
250051004	2012	11	22	6	V	11.0	0.3	3.34	355
250051004	2012	11	22	7	V	11.3	0.6	3.25	352
250051004	2012	11	22	8	V	8.3	1	3.29	357
250051004	2012	11	22	9	V	8.3	1.7	3.37	1
250051004	2012	11	22	10	V	9.5	1.6	3.3	10
250051004	2012	11	22	11	V	7.6	0.9	3.27	36
250051004	2012	11	22	12	V	9.3	0.8	2.33	53
250051004	2012	11	22	13	V	8.2	0.6	1.86	97
250051004	2012	11	22	14	V	7.7	0.7	1.67	101
250051004	2012	11	22	15	V	4.6	0.7	1.45	161
250051004	2012	11	22	16	V	3.7	0.3	1.69	197
250051004	2012	11	22	17	V	3.0	0.4	1.47	214
250051004	2012	11	22	18	V	2.7	0.4	0.82	172
250051004	2012	11	22	19	V	2.9	0.3	0.53	126
250051004	2012	11	22	20	C	-999	0.3	0	0
250051004	2012	11	22	21	V	2.7	0.4	1.36	284
250051004	2012	11	22	22	V	2.6	0.3	1.99	274

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	22	23	V	2.6	0.1	1.43	270
250051004	2012	11	22	24	V	7.9	0.1	1.2	250
250051004	2012	11	23	1	V	9.4	0.3	1.74	281
250051004	2012	11	23	2	V	7.1	0.8	1.76	294
250051004	2012	11	23	3	V	9.1	0.6	1.03	279
250051004	2012	11	23	4	V	12.2	0.8	0.74	280
250051004	2012	11	23	5	V	10.4	1.1	1.01	280
250051004	2012	11	23	6	V	11.0	1.1	1.33	260
250051004	2012	11	23	7	V	11.3	0.9	1.37	218
250051004	2012	11	23	8	V	8.3	1	2.08	204
250051004	2012	11	23	9	V	8.2	1.2	2.22	180
250051004	2012	11	23	10	V	9.4	3.2	2.64	166
250051004	2012	11	23	11	V	7.6	3.1	3.15	173
250051004	2012	11	23	12	V	9.0	4.2	4.87	186
250051004	2012	11	23	13	V	7.6	5.1	4.19	157
250051004	2012	11	23	14	V	7.1	4.7	4.26	148
250051004	2012	11	23	15	V	4.0	1.9	5.16	151
250051004	2012	11	23	16	V	3.7	0.9	4.58	167
250051004	2012	11	23	17	V	3.0	0.7	4.54	187
250051004	2012	11	23	18	V	2.7	1	1.96	180
250051004	2012	11	23	19	V	2.9	-999	1.2	193
250051004	2012	11	23	20	V	2.7	0.8	2.06	192
250051004	2012	11	23	21	V	2.7	1.1	2.49	215
250051004	2012	11	23	22	V	2.6	1	1.89	217
250051004	2012	11	23	23	V	2.6	0.8	1.86	206
250051004	2012	11	23	24	V	7.9	1.1	2.38	212
250051004	2012	11	24	1	V	9.4	1.3	3.2	222
250051004	2012	11	24	2	V	7.1	1.3	2.4	233
250051004	2012	11	24	3	V	9.1	1.3	2.22	211
250051004	2012	11	24	4	V	12.2	1.3	2.38	206
250051004	2012	11	24	5	V	10.4	1.4	3.56	240
250051004	2012	11	24	6	V	11.0	1.5	4.65	270
250051004	2012	11	24	7	V	11.3	1.8	4.37	299
250051004	2012	11	24	8	V	8.3	1.4	3.15	309
250051004	2012	11	24	9	V	9.1	1.3	6.18	314
250051004	2012	11	24	10	V	9.6	1.5	7.21	309
250051004	2012	11	24	11	V	7.6	1.4	6.7	304
250051004	2012	11	24	12	V	8.9	1.4	7.69	296
250051004	2012	11	24	13	V	7.5	1.3	8.71	294
250051004	2012	11	24	14	V	7.0	1.4	9.02	293
250051004	2012	11	24	15	V	4.0	1.2	7.93	294
250051004	2012	11	24	16	V	3.7	1.5	8.25	284
250051004	2012	11	24	17	V	3.0	1.5	7.42	292
250051004	2012	11	24	18	V	2.7	1.6	6.92	286
250051004	2012	11	24	19	V	2.9	1.1	6.31	283
250051004	2012	11	24	20	V	2.7	1.4	6.75	288

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	24	21	V	2.7	1.6	6.58	291
250051004	2012	11	24	22	V	2.6	1.7	6.11	294
250051004	2012	11	24	23	V	2.6	1.6	5.09	281
250051004	2012	11	24	24	V	7.9	1.2	5.14	278
250051004	2012	11	25	1	V	9.4	1.2	5.7	279
250051004	2012	11	25	2	V	7.1	1.3	6.06	281
250051004	2012	11	25	3	V	9.1	1.3	6.07	284
250051004	2012	11	25	4	V	12.2	1.1	6.06	286
250051004	2012	11	25	5	V	10.4	1.3	6.18	282
250051004	2012	11	25	6	V	11.0	1.4	6.35	289
250051004	2012	11	25	7	V	11.3	1.7	6.3	288
250051004	2012	11	25	8	V	8.3	1.8	4.66	275
250051004	2012	11	25	9	V	8.2	1.5	5.53	271
250051004	2012	11	25	10	V	9.4	1.8	6.33	275
250051004	2012	11	25	11	V	7.5	1.5	7.31	285
250051004	2012	11	25	12	V	8.9	1.4	8.22	293
250051004	2012	11	25	13	V	7.5	1.6	7.96	289
250051004	2012	11	25	14	V	7.0	1.5	8.13	282
250051004	2012	11	25	15	V	4.0	1.2	7.18	281
250051004	2012	11	25	16	V	3.7	1.4	5.94	276
250051004	2012	11	25	17	V	3.0	1.3	4.29	263
250051004	2012	11	25	18	V	2.7	1.3	2.4	248
250051004	2012	11	25	19	V	2.9	1.1	2.49	223
250051004	2012	11	25	20	V	2.7	1.2	3.8	243
250051004	2012	11	25	21	V	2.7	1.3	3.93	237
250051004	2012	11	25	22	V	2.6	1	4.24	249
250051004	2012	11	25	23	V	2.6	1.2	4.46	251
250051004	2012	11	25	24	V	7.9	1.4	2.95	235
250051004	2012	11	26	1	V	9.4	1.6	3.22	240
250051004	2012	11	26	2	V	7.1	2	2.83	236
250051004	2012	11	26	3	V	9.1	2.3	4.19	240
250051004	2012	11	26	4	V	12.2	2.5	3.39	246
250051004	2012	11	26	5	V	10.4	3.2	3.18	247
250051004	2012	11	26	6	V	11.0	3.8	3.51	245
250051004	2012	11	26	7	V	11.3	4	2.96	254
250051004	2012	11	26	8	V	8.3	4.2	3.08	247
250051004	2012	11	26	9	V	8.2	4	4.37	256
250051004	2012	11	26	10	V	9.4	3.5	5.84	271
250051004	2012	11	26	11	V	7.5	2.2	6.12	282
250051004	2012	11	26	12	V	8.9	2	6.29	296
250051004	2012	11	26	13	V	7.5	1.7	6.7	290
250051004	2012	11	26	14	V	7.0	1.2	5.87	284
250051004	2012	11	26	15	V	4.0	0.7	6.72	297
250051004	2012	11	26	16	V	3.7	0.8	6.23	299
250051004	2012	11	26	17	V	3.0	0.4	4.41	288
250051004	2012	11	26	18	V	2.7	0.7	3.1	284

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	26	19	V	2.9	-999	3.25	266
250051004	2012	11	26	20	V	2.7	0.9	3.01	268
250051004	2012	11	26	21	V	2.7	1.1	2.25	274
250051004	2012	11	26	22	V	2.6	2.1	1.81	269
250051004	2012	11	26	23	V	2.6	2.1	1.79	263
250051004	2012	11	26	24	V	7.9	1.2	1.76	263
250051004	2012	11	27	1	V	9.4	0.9	2.37	260
250051004	2012	11	27	2	V	7.1	0.7	2.74	266
250051004	2012	11	27	3	V	9.1	1	2.11	277
250051004	2012	11	27	4	V	12.2	1.8	1.3	277
250051004	2012	11	27	5	V	10.4	2.1	0.97	264
250051004	2012	11	27	6	V	11.0	3	0.89	240
250051004	2012	11	27	7	V	11.3	3.2	1.89	265
250051004	2012	11	27	8	V	8.3	6.5	1.23	267
250051004	2012	11	27	9	V	8.2	8	0.91	232
250051004	2012	11	27	10	V	9.4	3.4	1.77	220
250051004	2012	11	27	11	V	8.0	0.7	1.08	255
250051004	2012	11	27	12	V	14.6	1	1.03	302
250051004	2012	11	27	13	V	7.9	0.7	1.28	50
250051004	2012	11	27	14	V	7.1	0.8	1.72	41
250051004	2012	11	27	15	V	4.0	0.6	2.23	37
250051004	2012	11	27	16	V	3.7	0.5	2.69	40
250051004	2012	11	27	17	V	3.0	0.5	3	36
250051004	2012	11	27	18	V	2.7	0.1	2.91	21
250051004	2012	11	27	19	V	2.9	0.2	3.15	13
250051004	2012	11	27	20	V	2.7	0.6	3.47	15
250051004	2012	11	27	21	V	2.7	0.5	3.63	13
250051004	2012	11	27	22	V	2.6	0.6	3.73	359
250051004	2012	11	27	23	V	2.6	0.6	4.17	4
250051004	2012	11	27	24	V	7.9	0.9	4.29	2
250051004	2012	11	28	1	V	9.4	0.9	5.34	1
250051004	2012	11	28	2	V	7.1	0.8	4.49	4
250051004	2012	11	28	3	V	9.1	1.1	5.04	355
250051004	2012	11	28	4	V	12.2	1.1	5.16	353
250051004	2012	11	28	5	V	10.4	0.9	4.97	350
250051004	2012	11	28	6	V	11.0	2.5	4.44	335
250051004	2012	11	28	7	V	11.3	2.6	5.21	347
250051004	2012	11	28	8	V	8.3	1.8	5.02	349
250051004	2012	11	28	9	V	8.2	1.9	5.22	351
250051004	2012	11	28	10	V	9.4	2.4	6.02	353
250051004	2012	11	28	11	V	7.5	1.8	6.07	350
250051004	2012	11	28	12	V	8.9	1.1	6.45	356
250051004	2012	11	28	13	V	7.5	1	5.72	5
250051004	2012	11	28	14	V	7.0	1	4.94	356
250051004	2012	11	28	15	V	10.1	4.6	4.41	332
250051004	2012	11	28	16	V	3.7	5.2	3.27	317

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	28	17	V	3.0	2	1.98	285
250051004	2012	11	28	18	V	2.7	3.1	1.6	274
250051004	2012	11	28	19	V	2.9	2	2.25	278
250051004	2012	11	28	20	V	2.7	1.9	2.11	264
250051004	2012	11	28	21	V	2.7	1.5	2.56	271
250051004	2012	11	28	22	V	2.6	1.7	2.1	266
250051004	2012	11	28	23	V	2.6	2	2.03	243
250051004	2012	11	28	24	V	7.9	1.2	3.03	259
250051004	2012	11	29	1	V	9.4	1.1	4.15	268
250051004	2012	11	29	2	V	7.1	1.1	4.2	270
250051004	2012	11	29	3	V	9.1	1.1	4.03	263
250051004	2012	11	29	4	V	12.2	1.4	4.31	264
250051004	2012	11	29	5	V	10.4	1.2	4.17	273
250051004	2012	11	29	6	V	11.0	1.3	4.17	264
250051004	2012	11	29	7	V	11.3	1.5	2.88	265
250051004	2012	11	29	8	V	8.3	1.5	4.09	260
250051004	2012	11	29	9	V	8.2	1.5	4.29	261
250051004	2012	11	29	10	V	9.4	1.3	4.71	262
250051004	2012	11	29	11	V	7.5	0.2	4.37	272
250051004	2012	11	29	12	V	8.9	0.9	4.8	260
250051004	2012	11	29	13	V	7.5	1.4	4.94	256
250051004	2012	11	29	14	V	7.0	0.8	6.21	252
250051004	2012	11	29	15	V	4.0	0.3	5.41	247
250051004	2012	11	29	16	V	3.7	1.1	5.22	235
250051004	2012	11	29	17	V	3.0	1.3	3.46	222
250051004	2012	11	29	18	V	2.7	1.3	2.88	220
250051004	2012	11	29	19	V	2.9	-999	4.03	224
250051004	2012	11	29	20	V	2.7	1.8	3.91	226
250051004	2012	11	29	21	V	2.7	1.9	4.94	238
250051004	2012	11	29	22	V	2.6	1.5	4.65	239
250051004	2012	11	29	23	V	2.6	1.8	4.83	242
250051004	2012	11	29	24	V	7.9	2.2	4.82	239
250051004	2012	11	30	1	V	9.4	2.1	4.9	238
250051004	2012	11	30	2	V	7.1	2.5	3.29	248
250051004	2012	11	30	3	V	9.1	2.9	2.5	257
250051004	2012	11	30	4	V	12.2	2.8	2.74	259
250051004	2012	11	30	5	V	10.4	2.7	3.13	271
250051004	2012	11	30	6	V	11.0	3	2.84	356
250051004	2012	11	30	7	V	11.3	2.7	2.42	33
250051004	2012	11	30	8	V	8.3	1.9	2.76	28
250051004	2012	11	30	9	V	8.2	1.9	4.12	27
250051004	2012	11	30	10	V	9.4	1.2	5.68	22
250051004	2012	11	30	11	V	7.5	0.9	5.65	24
250051004	2012	11	30	12	V	8.9	0.6	5.33	18
250051004	2012	11	30	13	V	7.5	0.6	4.63	26
250051004	2012	11	30	14	V	7.0	0.5	4.22	22

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	11	30	15	V	4.0	1	3.83	22
250051004	2012	11	30	16	V	3.7	1	3.76	30
250051004	2012	11	30	17	V	3.0	0.5	3.05	58
250051004	2012	11	30	18	V	2.7	0.3	4.12	61
250051004	2012	11	30	19	V	2.9	0.3	3.69	58
250051004	2012	11	30	20	V	2.7	1.1	3.64	50
250051004	2012	11	30	21	V	2.7	1	3.59	54
250051004	2012	11	30	22	V	2.6	1.1	4	51
250051004	2012	11	30	23	V	2.6	1	3.54	52
250051004	2012	11	30	24	V	7.9	0.4	3.71	47
250051004	2012	12	1	1	V	4.1	0.7	3.32	41
250051004	2012	12	1	2	V	5.3	0.7	4.02	37
250051004	2012	12	1	3	V	4.8	0.7	4.03	30
250051004	2012	12	1	4	V	7.3	0.8	4.24	24
250051004	2012	12	1	5	V	8.0	0.3	3.42	27
250051004	2012	12	1	6	V	6.2	0.4	2.69	9
250051004	2012	12	1	7	V	9.3	0.1	3.69	2
250051004	2012	12	1	8	V	8.3	0	5.21	4
250051004	2012	12	1	9	V	7.2	0.6	4.42	14
250051004	2012	12	1	10	V	8.1	0.2	3.18	15
250051004	2012	12	1	11	V	8.6	0.3	3.46	15
250051004	2012	12	1	12	V	8.4	0.7	4	19
250051004	2012	12	1	13	V	8.8	0.8	3.8	19
250051004	2012	12	1	14	V	9.3	1	3.47	23
250051004	2012	12	1	15	V	8.0	0.7	3.63	25
250051004	2012	12	1	16	V	6.8	0.7	3.97	17
250051004	2012	12	1	17	V	8.9	1	3.78	21
250051004	2012	12	1	18	V	5.8	1	3.71	10
250051004	2012	12	1	19	V	4.4	0.8	3.22	11
250051004	2012	12	1	20	V	4.3	0.5	3.03	20
250051004	2012	12	1	21	V	4.1	0.4	2.84	15
250051004	2012	12	1	22	V	3.6	0.5	3.18	2
250051004	2012	12	1	23	V	3.7	0.7	2.3	18
250051004	2012	12	1	24	V	4.8	0.8	2.79	17
250051004	2012	12	2	1	V	4.1	0.8	2.42	360
250051004	2012	12	2	2	V	5.3	0.7	2.88	7
250051004	2012	12	2	3	V	4.8	0.8	2.15	9
250051004	2012	12	2	4	V	7.3	0.7	3.29	359
250051004	2012	12	2	5	V	8.0	0.9	2.88	4
250051004	2012	12	2	6	V	6.2	1.2	2.15	347
250051004	2012	12	2	7	V	9.3	1.7	2.04	334
250051004	2012	12	2	8	V	8.3	2.1	1.96	344
250051004	2012	12	2	9	V	7.2	2.2	1.67	3
250051004	2012	12	2	10	V	8.1	2.9	0.96	29
250051004	2012	12	2	11	V	8.7	2.5	0.69	64
250051004	2012	12	2	12	V	8.8	2.3	1.31	95

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	2	13	V	8.9	1.3	1.93	142
250051004	2012	12	2	14	V	9.3	1	2.04	151
250051004	2012	12	2	15	V	8.1	0.8	1.71	155
250051004	2012	12	2	16	V	6.8	0.7	3.39	194
250051004	2012	12	2	17	V	8.9	0.5	5.16	205
250051004	2012	12	2	18	V	5.8	0.7	5.12	216
250051004	2012	12	2	19	V	4.4	-999	5.85	220
250051004	2012	12	2	20	V	4.3	0.5	5.14	215
250051004	2012	12	2	21	V	4.1	0.7	3.2	191
250051004	2012	12	2	22	V	3.6	1	3.78	202
250051004	2012	12	2	23	V	3.7	0.9	5.62	223
250051004	2012	12	2	24	V	4.8	0.9	5.7	228
250051004	2012	12	3	1	V	4.1	1	6.12	230
250051004	2012	12	3	2	V	5.3	0.8	5.97	242
250051004	2012	12	3	3	V	4.8	-999	4.99	250
250051004	2012	12	3	4	V	7.3	-999	5.58	251
250051004	2012	12	3	5	V	8.0	0.8	3.88	265
250051004	2012	12	3	6	V	6.2	0.8	2.81	255
250051004	2012	12	3	7	V	9.3	0.8	3.39	241
250051004	2012	12	3	8	V	8.3	1	2.95	239
250051004	2012	12	3	9	V	7.2	1.9	3.57	251
250051004	2012	12	3	10	V	8.1	2.8	4.15	291
250051004	2012	12	3	11	V	9.3	1.5	4.58	313
250051004	2012	12	3	12	V	15.3	0.9	4.61	325
250051004	2012	12	3	13	V	13.6	1.3	4.76	321
250051004	2012	12	3	14	V	10.8	1.6	3.73	317
250051004	2012	12	3	15	V	9.5	0.8	3.42	317
250051004	2012	12	3	16	V	6.9	1.5	3.2	325
250051004	2012	12	3	17	V	8.9	1.3	1.89	304
250051004	2012	12	3	18	V	5.8	1.4	1.89	292
250051004	2012	12	3	19	V	4.4	3.6	1.94	289
250051004	2012	12	3	20	V	4.3	2.5	1.79	269
250051004	2012	12	3	21	V	4.1	1.8	1.42	269
250051004	2012	12	3	22	V	3.6	1.4	1.28	290
250051004	2012	12	3	23	V	3.7	1.7	1.65	353
250051004	2012	12	3	24	V	4.8	1	1.74	301
250051004	2012	12	4	1	V	4.1	0.8	1.18	290
250051004	2012	12	4	2	V	5.3	0.7	1.28	292
250051004	2012	12	4	3	V	4.8	0.8	1.04	287
250051004	2012	12	4	4	V	7.3	0.6	1.2	285
250051004	2012	12	4	5	V	8.0	0.3	1.79	294
250051004	2012	12	4	6	V	6.2	0.3	1.08	295
250051004	2012	12	4	7	V	9.3	0.6	1.26	325
250051004	2012	12	4	8	V	8.3	0.3	1.04	6
250051004	2012	12	4	9	V	7.2	0.4	0.91	135
250051004	2012	12	4	10	V	8.1	0.7	1.06	267

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	4	11	V	8.8	0.5	1.01	191
250051004	2012	12	4	12	V	8.5	0.8	2.28	177
250051004	2012	12	4	13	V	8.8	1.5	1.93	184
250051004	2012	12	4	14	V	9.3	4.5	2.39	173
250051004	2012	12	4	15	V	8.0	1	2.79	161
250051004	2012	12	4	16	V	6.8	0.7	3.3	168
250051004	2012	12	4	17	V	8.9	0.8	3	158
250051004	2012	12	4	18	V	5.8	0.7	3.18	147
250051004	2012	12	4	19	V	4.4	0.6	3.49	149
250051004	2012	12	4	20	V	4.3	0.6	2.79	167
250051004	2012	12	4	21	V	4.1	0.7	3.56	168
250051004	2012	12	4	22	V	3.6	0.7	3.42	166
250051004	2012	12	4	23	V	3.7	0.7	4.61	181
250051004	2012	12	4	24	V	4.8	0.7	6.48	203
250051004	2012	12	5	1	V	4.1	0.8	6.62	208
250051004	2012	12	5	2	V	5.3	0.8	6.04	212
250051004	2012	12	5	3	V	4.8	1.2	5.36	202
250051004	2012	12	5	4	V	7.3	18.3	5.68	206
250051004	2012	12	5	5	V	8.0	14.7	5.33	215
250051004	2012	12	5	6	V	6.2	4.4	4.54	246
250051004	2012	12	5	7	V	9.3	1.8	3.64	258
250051004	2012	12	5	8	V	8.3	1.4	3.51	292
250051004	2012	12	5	9	V	7.2	1.5	4.03	296
250051004	2012	12	5	10	V	8.1	1.4	6.46	304
250051004	2012	12	5	11	V	8.6	1.8	6.4	298
250051004	2012	12	5	12	V	8.5	-999	6.02	306
250051004	2012	12	5	13	V	8.8	-999	6.35	307
250051004	2012	12	5	14	V	9.3	-999	6.31	304
250051004	2012	12	5	15	V	8.0	-999	7.59	304
250051004	2012	12	5	16	V	6.8	-999	6.97	306
250051004	2012	12	5	17	V	8.9	0.7	8.39	308
250051004	2012	12	5	18	V	5.8	0.4	7.96	306
250051004	2012	12	5	19	V	4.4	-999	6.55	302
250051004	2012	12	5	20	V	4.3	0.4	5.11	294
250051004	2012	12	5	21	V	4.1	4.3	6.31	309
250051004	2012	12	5	22	V	4.2	17.5	5.6	322
250051004	2012	12	5	23	V	3.7	9	5.51	338
250051004	2012	12	5	24	V	4.9	4.6	7.54	336
250051004	2012	12	6	1	V	4.4	11.7	5.75	325
250051004	2012	12	6	2	V	5.3	16.3	4.2	330
250051004	2012	12	6	3	V	4.8	8.8	6.48	344
250051004	2012	12	6	4	V	7.3	3.8	4.63	337
250051004	2012	12	6	5	V	8.0	9.7	4.97	330
250051004	2012	12	6	6	V	6.3	12.6	4.9	327
250051004	2012	12	6	7	V	9.3	13.1	4.29	333
250051004	2012	12	6	8	V	8.3	3.4	3.91	326

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	6	9	V	11.4	5.8	4.83	337
250051004	2012	12	6	10	V	8.3	2.3	5.51	348
250051004	2012	12	6	11	V	8.7	2.1	5.07	351
250051004	2012	12	6	12	V	9.6	2	3.61	350
250051004	2012	12	6	13	V	8.9	0.6	3.22	4
250051004	2012	12	6	14	V	9.4	3.9	2.42	1
250051004	2012	12	6	15	V	11.2	1	1.45	319
250051004	2012	12	6	16	V	6.8	0.6	1.13	239
250051004	2012	12	6	17	V	8.9	1.3	1.3	127
250051004	2012	12	6	18	V	5.8	1.8	1.18	118
250051004	2012	12	6	19	V	4.4	1.4	1.37	242
250051004	2012	12	6	20	V	4.3	1.2	1.59	258
250051004	2012	12	6	21	V	4.1	1.3	1.23	260
250051004	2012	12	6	22	V	3.6	1.4	1.06	265
250051004	2012	12	6	23	V	3.7	1.7	1.2	274
250051004	2012	12	6	24	V	4.8	2	0.89	277
250051004	2012	12	7	1	V	4.1	1.9	1.14	312
250051004	2012	12	7	2	V	5.3	2	0.7	254
250051004	2012	12	7	3	V	4.8	2.2	1.55	279
250051004	2012	12	7	4	V	7.3	2.5	1.01	290
250051004	2012	12	7	5	V	8.0	2.4	1.23	301
250051004	2012	12	7	6	V	6.2	2.8	0.74	16
250051004	2012	12	7	7	V	9.3	4	0.94	353
250051004	2012	12	7	8	V	8.3	4.5	1.06	30
250051004	2012	12	7	9	V	7.2	5.4	0.77	32
250051004	2012	12	7	10	V	8.2	4.7	0.62	139
250051004	2012	12	7	11	V	9.2	2.7	1.04	171
250051004	2012	12	7	12	V	8.9	2.3	1.53	183
250051004	2012	12	7	13	V	8.8	1.7	2.11	153
250051004	2012	12	7	14	V	9.3	1.4	1.59	152
250051004	2012	12	7	15	V	8.0	1.3	2.16	156
250051004	2012	12	7	16	V	6.8	1.2	2.16	166
250051004	2012	12	7	17	V	8.9	0.8	1.57	172
250051004	2012	12	7	18	V	5.8	0.9	1.86	187
250051004	2012	12	7	19	V	4.4	0.8	1.93	184
250051004	2012	12	7	20	V	4.3	0.5	2.11	194
250051004	2012	12	7	21	V	4.1	0.1	1.81	184
250051004	2012	12	7	22	V	3.6	0.4	1.57	172
250051004	2012	12	7	23	V	3.7	0.7	1.76	170
250051004	2012	12	7	24	V	4.8	0.7	1.6	170
250051004	2012	12	8	1	V	4.1	0.7	1.38	169
250051004	2012	12	8	2	V	5.3	0.7	1.6	162
250051004	2012	12	8	3	V	4.8	0.6	0.86	158
250051004	2012	12	8	4	V	7.3	0.6	0.53	142
250051004	2012	12	8	5	V	8.0	0.5	1.62	144
250051004	2012	12	8	6	V	6.2	0.8	1.62	125

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	8	7	V	9.3	0.6	1.93	62
250051004	2012	12	8	8	V	8.3	0.9	2.81	19
250051004	2012	12	8	9	V	7.2	1	3.13	18
250051004	2012	12	8	10	V	8.1	0.9	3.1	8
250051004	2012	12	8	11	V	8.6	1	3.12	5
250051004	2012	12	8	12	V	8.4	0.9	3.23	358
250051004	2012	12	8	13	V	8.8	1	3.46	358
250051004	2012	12	8	14	V	9.3	0.7	3.17	345
250051004	2012	12	8	15	V	8.0	0.7	2.1	346
250051004	2012	12	8	16	V	6.8	1	1.93	352
250051004	2012	12	8	17	V	8.9	1	1.89	4
250051004	2012	12	8	18	V	5.8	0.6	1.08	79
250051004	2012	12	8	19	V	4.4	-999	1.31	159
250051004	2012	12	8	20	V	4.3	1	1.13	225
250051004	2012	12	8	21	V	4.1	1	3.86	259
250051004	2012	12	8	22	V	3.6	1.1	3.88	252
250051004	2012	12	8	23	V	3.7	0.8	3.01	254
250051004	2012	12	8	24	V	4.8	0.8	3.2	247
250051004	2012	12	9	1	V	4.1	0.9	2.71	251
250051004	2012	12	9	2	V	5.3	0.9	2.47	251
250051004	2012	12	9	3	V	4.8	0.8	3.32	267
250051004	2012	12	9	4	V	7.3	0.7	2.04	300
250051004	2012	12	9	5	V	8.0	0.7	1.42	290
250051004	2012	12	9	6	V	6.2	0.8	1.74	294
250051004	2012	12	9	7	V	9.3	0.9	2.06	316
250051004	2012	12	9	8	V	8.3	2	2.62	322
250051004	2012	12	9	9	V	7.9	1.4	5.07	335
250051004	2012	12	9	10	V	8.1	1.2	5.51	351
250051004	2012	12	9	11	V	8.6	0.9	5.99	13
250051004	2012	12	9	12	V	8.4	0.8	5.58	7
250051004	2012	12	9	13	V	8.8	0.9	5.41	24
250051004	2012	12	9	14	V	9.3	0.8	4.07	23
250051004	2012	12	9	15	V	8.0	0.7	3.85	19
250051004	2012	12	9	16	V	6.8	0.8	3.68	24
250051004	2012	12	9	17	V	8.9	0.6	2.89	51
250051004	2012	12	9	18	V	5.8	0.5	3.17	64
250051004	2012	12	9	19	V	4.4	0.4	2.37	41
250051004	2012	12	9	20	V	4.3	0.4	2.83	36
250051004	2012	12	9	21	V	4.1	0.5	3.05	52
250051004	2012	12	9	22	V	3.6	0.4	2.95	60
250051004	2012	12	9	23	V	3.7	0.3	2.69	68
250051004	2012	12	9	24	V	4.8	0.6	2.95	78
250051004	2012	12	10	1	V	4.1	0.5	3.01	70
250051004	2012	12	10	2	V	5.3	0.5	3.01	28
250051004	2012	12	10	3	V	4.8	0.5	2.79	44
250051004	2012	12	10	4	V	7.3	0.8	2.42	39

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	10	5	V	8.0	0.9	2.3	8
250051004	2012	12	10	6	V	6.2	3	1.21	299
250051004	2012	12	10	7	V	9.3	5.7	0.53	232
250051004	2012	12	10	8	V	8.3	6.1	1.16	344
250051004	2012	12	10	9	V	7.2	7.8	1.11	140
250051004	2012	12	10	10	V	8.1	4.2	5.24	208
250051004	2012	12	10	11	V	8.6	4.6	6.21	213
250051004	2012	12	10	12	V	8.4	4.7	5.31	211
250051004	2012	12	10	13	V	8.8	2.9	4.37	202
250051004	2012	12	10	14	V	9.3	4.9	4.14	200
250051004	2012	12	10	15	V	8.0	1.8	4.37	203
250051004	2012	12	10	16	V	6.8	1.4	4.24	202
250051004	2012	12	10	17	V	8.9	1.3	4.97	203
250051004	2012	12	10	18	V	5.8	1.3	3.66	210
250051004	2012	12	10	19	V	4.4	1.3	2.69	214
250051004	2012	12	10	20	V	4.3	1.4	2.61	216
250051004	2012	12	10	21	V	4.1	1.3	3.78	218
250051004	2012	12	10	22	V	3.6	1.3	3.29	239
250051004	2012	12	10	23	V	3.7	1.3	2.49	216
250051004	2012	12	10	24	V	4.8	1.2	2.88	217
250051004	2012	12	11	1	V	4.1	1.3	3.22	227
250051004	2012	12	11	2	V	5.3	1.3	3.23	266
250051004	2012	12	11	3	V	4.8	1.1	3.98	310
250051004	2012	12	11	4	V	7.3	1.1	3.13	301
250051004	2012	12	11	5	V	8.0	1.7	3.73	318
250051004	2012	12	11	6	V	6.2	7.4	2.15	329
250051004	2012	12	11	7	V	9.3	1.7	2.66	313
250051004	2012	12	11	8	V	8.3	1.6	4.17	313
250051004	2012	12	11	9	V	7.2	1.2	3.95	285
250051004	2012	12	11	10	V	8.1	1.5	5	308
250051004	2012	12	11	11	V	8.6	1.4	5.56	305
250051004	2012	12	11	12	V	8.8	1.2	4.73	313
250051004	2012	12	11	13	V	9.1	1.2	5.56	313
250051004	2012	12	11	14	V	9.4	1	6.35	312
250051004	2012	12	11	15	V	8.3	1.6	5.65	314
250051004	2012	12	11	16	V	6.8	5.1	5.19	310
250051004	2012	12	11	17	V	8.9	1.6	4.51	300
250051004	2012	12	11	18	V	5.8	1.1	3.8	283
250051004	2012	12	11	19	V	4.4	-999	4.07	283
250051004	2012	12	11	20	V	4.3	0.6	4.66	294
250051004	2012	12	11	21	V	4.1	0.7	4.99	303
250051004	2012	12	11	22	V	3.6	1	4.12	305
250051004	2012	12	11	23	V	3.7	0.8	4.29	304
250051004	2012	12	11	24	V	4.8	0.9	4.39	298
250051004	2012	12	12	1	V	4.1	0.9	4.97	307
250051004	2012	12	12	2	V	5.3	0.8	4.49	306

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	12	3	V	4.8	0.8	2.86	322
250051004	2012	12	12	4	V	7.3	0.7	2.15	337
250051004	2012	12	12	5	V	8.0	1.9	2.57	325
250051004	2012	12	12	6	V	6.2	7.6	1.93	300
250051004	2012	12	12	7	V	9.3	3.4	2.18	319
250051004	2012	12	12	8	V	8.3	5.8	1.47	275
250051004	2012	12	12	9	V	7.2	5.7	2.06	306
250051004	2012	12	12	10	V	8.1	2.3	4.02	351
250051004	2012	12	12	11	V	9.7	1.8	3.42	344
250051004	2012	12	12	12	V	8.8	1.6	4.02	346
250051004	2012	12	12	13	V	13.1	2.3	3.15	339
250051004	2012	12	12	14	V	10.9	1	2.05	346
250051004	2012	12	12	15	V	8.9	1.1	1.67	345
250051004	2012	12	12	16	V	6.8	0.8	2.11	296
250051004	2012	12	12	17	V	8.9	0.9	1.7	294
250051004	2012	12	12	18	V	5.8	1.3	1.77	297
250051004	2012	12	12	19	V	4.4	1.3	1.82	294
250051004	2012	12	12	20	V	4.3	1.3	1.54	304
250051004	2012	12	12	21	V	4.1	1.3	1.86	309
250051004	2012	12	12	22	V	3.6	1.3	1.55	277
250051004	2012	12	12	23	V	3.7	1.6	1.16	315
250051004	2012	12	12	24	V	4.8	1.3	1.6	354
250051004	2012	12	13	1	V	4.1	1.2	1.98	333
250051004	2012	12	13	2	V	5.3	1.1	2.15	341
250051004	2012	12	13	3	V	4.8	1.4	1.33	261
250051004	2012	12	13	4	V	7.3	1.5	1.55	297
250051004	2012	12	13	5	V	8.0	1.4	1.38	278
250051004	2012	12	13	6	V	6.2	1.6	1.26	275
250051004	2012	12	13	7	V	9.3	2.2	1.35	344
250051004	2012	12	13	8	V	8.3	2.8	1.23	274
250051004	2012	12	13	9	V	7.2	2.8	1.57	291
250051004	2012	12	13	10	V	8.1	2.3	2.66	3
250051004	2012	12	13	11	V	8.6	1.5	3.74	26
250051004	2012	12	13	12	V	8.7	1	1.74	97
250051004	2012	12	13	13	V	9.7	0.9	1.08	20
250051004	2012	12	13	14	V	9.6	3.4	1.37	151
250051004	2012	12	13	15	V	8.0	2.7	2.67	100
250051004	2012	12	13	16	V	6.8	1.8	2.59	147
250051004	2012	12	13	17	V	8.9	1.3	1.3	185
250051004	2012	12	13	18	V	5.8	1.2	1.21	235
250051004	2012	12	13	19	V	4.4	1.6	1.01	240
250051004	2012	12	13	20	V	4.3	2	1.38	267
250051004	2012	12	13	21	V	4.1	1.3	1.72	259
250051004	2012	12	13	22	V	3.6	0.9	2.23	261
250051004	2012	12	13	23	V	3.7	1.4	1.96	261
250051004	2012	12	13	24	V	4.8	1.2	2.03	261

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	14	1	V	4.1	1.2	2.45	259
250051004	2012	12	14	2	V	5.3	0.9	2.3	263
250051004	2012	12	14	3	V	4.8	1	1.38	252
250051004	2012	12	14	4	V	7.3	1.4	1.96	268
250051004	2012	12	14	5	V	8.0	1.4	1.47	224
250051004	2012	12	14	6	V	6.2	1.5	1.42	278
250051004	2012	12	14	7	V	9.3	2.1	1.13	244
250051004	2012	12	14	8	V	8.3	2.7	1.16	235
250051004	2012	12	14	9	V	7.2	3.6	2.93	216
250051004	2012	12	14	10	V	8.1	1.8	5.36	243
250051004	2012	12	14	11	V	8.6	1.5	6.91	245
250051004	2012	12	14	12	V	8.4	1.7	7.04	246
250051004	2012	12	14	13	V	8.8	2.1	6.5	243
250051004	2012	12	14	14	V	9.3	3.8	5.53	248
250051004	2012	12	14	15	V	8.0	3.7	5.17	250
250051004	2012	12	14	16	V	6.8	3.8	3.69	272
250051004	2012	12	14	17	V	8.9	3.4	2.25	294
250051004	2012	12	14	18	V	5.8	3.5	2.74	297
250051004	2012	12	14	19	V	4.4	-999	2.64	309
250051004	2012	12	14	20	V	4.3	2.3	1.7	293
250051004	2012	12	14	21	V	4.1	2.3	1.57	274
250051004	2012	12	14	22	V	3.6	2.8	1.57	283
250051004	2012	12	14	23	V	3.7	3	1.35	271
250051004	2012	12	14	24	V	4.8	2.9	1.43	248
250051004	2012	12	15	1	V	4.1	2.8	2.1	251
250051004	2012	12	15	2	V	5.3	2.5	2.35	257
250051004	2012	12	15	3	V	4.8	2.1	2.23	252
250051004	2012	12	15	4	V	7.3	2.5	3.15	262
250051004	2012	12	15	5	V	8.0	2.2	2.04	274
250051004	2012	12	15	6	V	6.2	2.3	1.03	282
250051004	2012	12	15	7	V	9.3	4.9	1.76	264
250051004	2012	12	15	8	V	8.3	3.8	1.11	123
250051004	2012	12	15	9	V	7.2	2.1	1.69	43
250051004	2012	12	15	10	V	8.1	1.2	3.32	29
250051004	2012	12	15	11	V	8.6	1.5	3.75	22
250051004	2012	12	15	12	V	8.5	1.3	3.47	11
250051004	2012	12	15	13	V	8.8	0.9	2.76	33
250051004	2012	12	15	14	V	9.3	1	2.42	45
250051004	2012	12	15	15	V	8.0	0.8	2.67	53
250051004	2012	12	15	16	V	6.8	1	2.86	58
250051004	2012	12	15	17	V	8.9	0.9	2.95	66
250051004	2012	12	15	18	V	5.8	0.8	3.47	77
250051004	2012	12	15	19	V	4.4	0.6	3.08	85
250051004	2012	12	15	20	V	4.3	0.8	2.11	78
250051004	2012	12	15	21	V	4.1	0.8	1.79	40
250051004	2012	12	15	22	V	3.6	0.9	2.3	33

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	15	23	V	3.7	0.6	2.5	36
250051004	2012	12	15	24	V	4.8	0.7	1.74	44
250051004	2012	12	16	1	V	4.1	0.8	2.32	36
250051004	2012	12	16	2	V	5.3	0.8	2.45	51
250051004	2012	12	16	3	V	4.8	0.9	2.52	46
250051004	2012	12	16	4	V	7.3	1	2.32	45
250051004	2012	12	16	5	V	8.0	0.9	2.74	50
250051004	2012	12	16	6	V	6.2	0.8	3.41	60
250051004	2012	12	16	7	V	9.3	1.3	3.73	58
250051004	2012	12	16	8	V	8.3	1.1	3.71	71
250051004	2012	12	16	9	V	7.2	0.9	3.73	70
250051004	2012	12	16	10	V	8.1	0.9	4.34	79
250051004	2012	12	16	11	V	8.6	0.8	4.68	82
250051004	2012	12	16	12	V	8.5	0.8	5.26	87
250051004	2012	12	16	13	V	8.8	0.6	4.56	83
250051004	2012	12	16	14	V	9.3	0.5	4.34	84
250051004	2012	12	16	15	V	8.0	0.6	4.12	79
250051004	2012	12	16	16	V	6.8	0.6	3.64	62
250051004	2012	12	16	17	V	8.9	0.6	3.78	62
250051004	2012	12	16	18	V	5.8	0.6	3.63	59
250051004	2012	12	16	19	V	4.4	0.7	4.37	52
250051004	2012	12	16	20	V	4.3	0.7	4.43	62
250051004	2012	12	16	21	V	4.1	0.8	4.41	64
250051004	2012	12	16	22	V	3.6	0.7	4.51	57
250051004	2012	12	16	23	V	3.7	0.7	4.66	54
250051004	2012	12	16	24	V	4.8	0.7	4.85	42
250051004	2012	12	17	1	V	4.1	0.7	4.88	37
250051004	2012	12	17	2	V	5.3	0.8	5.04	37
250051004	2012	12	17	3	V	4.8	-999	4.66	37
250051004	2012	12	17	4	V	7.3	-999	4.82	36
250051004	2012	12	17	5	V	8.0	0.6	4.97	30
250051004	2012	12	17	6	V	6.2	0.7	4.19	37
250051004	2012	12	17	7	V	9.3	0.9	4.63	29
250051004	2012	12	17	8	V	8.3	1	5.68	34
250051004	2012	12	17	9	V	7.2	1.1	4.9	30
250051004	2012	12	17	10	V	8.1	1	4.92	24
250051004	2012	12	17	11	V	8.6	1.3	4.27	348
250051004	2012	12	17	12	V	8.4	1.1	4.6	360
250051004	2012	12	17	13	V	8.8	1.1	4.7	354
250051004	2012	12	17	14	V	9.3	0.7	4.75	357
250051004	2012	12	17	15	V	8.0	0.9	4.41	3
250051004	2012	12	17	16	V	6.8	1.1	4.32	359
250051004	2012	12	17	17	V	8.9	1.2	4.12	3
250051004	2012	12	17	18	V	5.8	1.1	4.15	359
250051004	2012	12	17	19	V	4.4	-999	3.73	355
250051004	2012	12	17	20	V	4.3	0.6	3.34	13

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	17	21	V	4.1	1.2	3.29	360
250051004	2012	12	17	22	V	3.6	1.2	3.29	360
250051004	2012	12	17	23	V	3.7	1.2	4.36	1
250051004	2012	12	17	24	V	4.8	1.2	4.7	8
250051004	2012	12	18	1	V	4.1	1.4	4.24	2
250051004	2012	12	18	2	V	5.3	1.2	3.95	11
250051004	2012	12	18	3	V	4.8	1.3	4.78	359
250051004	2012	12	18	4	V	7.3	1.1	3.46	353
250051004	2012	12	18	5	V	8.0	1.5	3.98	11
250051004	2012	12	18	6	V	6.2	1.5	3.07	8
250051004	2012	12	18	7	V	9.3	1.7	3.58	331
250051004	2012	12	18	8	V	8.3	4.2	3.86	16
250051004	2012	12	18	9	V	7.2	2.6	1.3	338
250051004	2012	12	18	10	V	9.7	2.1	2.35	332
250051004	2012	12	18	11	V	8.6	7.3	2.08	308
250051004	2012	12	18	12	V	8.4	2.9	1.76	275
250051004	2012	12	18	13	V	8.8	3.4	2.62	264
250051004	2012	12	18	14	V	9.3	2.7	3.88	234
250051004	2012	12	18	15	V	8.0	2.6	4.25	271
250051004	2012	12	18	16	V	6.8	2.5	3.88	271
250051004	2012	12	18	17	V	8.9	2.2	3.57	275
250051004	2012	12	18	18	V	5.8	2.2	2.76	261
250051004	2012	12	18	19	V	4.4	2	4.24	258
250051004	2012	12	18	20	V	4.3	2	3.32	290
250051004	2012	12	18	21	V	4.1	2.1	2.86	266
250051004	2012	12	18	22	V	3.6	2.2	2.57	267
250051004	2012	12	18	23	V	3.7	2.2	2.38	294
250051004	2012	12	18	24	V	4.8	2	3.44	277
250051004	2012	12	19	1	V	4.1	2	5.94	282
250051004	2012	12	19	2	V	5.3	2	5.65	293
250051004	2012	12	19	3	V	4.8	1.8	5.95	290
250051004	2012	12	19	4	V	7.3	2	6.48	290
250051004	2012	12	19	5	V	8.0	2.2	6.92	290
250051004	2012	12	19	6	V	6.2	2.6	6.01	300
250051004	2012	12	19	7	V	9.3	2.6	6.55	301
250051004	2012	12	19	8	V	8.3	2.5	7.13	306
250051004	2012	12	19	9	V	7.2	2.6	7.74	307
250051004	2012	12	19	10	V	8.3	3.3	7.88	308
250051004	2012	12	19	11	V	11.5	3.9	7.42	314
250051004	2012	12	19	12	V	11.6	9.4	7.96	314
250051004	2012	12	19	13	V	44.1	31.9	8.44	323
250051004	2012	12	19	14	V	28.5	10.5	8.78	320
250051004	2012	12	19	15	V	40.4	42.8	8.86	329
250051004	2012	12	19	16	V	9.1	49.8	7.59	333
250051004	2012	12	19	17	V	8.9	18	7.86	340
250051004	2012	12	19	18	V	5.8	10.5	6.96	338

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	19	19	V	4.4	5.7	5.82	334
250051004	2012	12	19	20	V	4.3	2.3	4.75	334
250051004	2012	12	19	21	V	4.1	1.3	4.39	332
250051004	2012	12	19	22	V	3.7	1.5	4.37	327
250051004	2012	12	19	23	V	3.7	3.9	3.8	332
250051004	2012	12	19	24	V	4.8	1.1	3.03	331
250051004	2012	12	20	1	V	4.1	1.1	2.69	341
250051004	2012	12	20	2	V	5.3	2.6	2.08	329
250051004	2012	12	20	3	V	4.8	1.2	3.06	331
250051004	2012	12	20	4	V	7.3	1.1	3.25	329
250051004	2012	12	20	5	V	8.0	1.4	2.33	326
250051004	2012	12	20	6	V	6.2	1.7	2.08	315
250051004	2012	12	20	7	V	9.3	2.3	2.93	332
250051004	2012	12	20	8	V	8.3	2.9	2.2	297
250051004	2012	12	20	9	V	7.2	4	4.14	343
250051004	2012	12	20	10	V	8.1	3.1	5.24	1
250051004	2012	12	20	11	V	8.6	1.5	4.88	14
250051004	2012	12	20	12	V	8.5	0.6	3.66	24
250051004	2012	12	20	13	V	8.8	1.3	2.96	17
250051004	2012	12	20	14	V	9.3	1.3	1.91	121
250051004	2012	12	20	15	V	8.0	1.1	2.93	86
250051004	2012	12	20	16	V	6.8	1	3.1	101
250051004	2012	12	20	17	V	8.9	0.8	3.1	91
250051004	2012	12	20	18	V	5.8	0.8	3.81	92
250051004	2012	12	20	19	V	4.4	-999	4.22	86
250051004	2012	12	20	20	V	4.3	0.9	3.25	81
250051004	2012	12	20	21	V	4.1	0.8	2.03	56
250051004	2012	12	20	22	V	3.6	1.1	2.23	58
250051004	2012	12	20	23	V	3.7	1.1	3.03	80
250051004	2012	12	20	24	V	4.8	0.9	2.95	79
250051004	2012	12	21	1	V	4.1	1	4.32	79
250051004	2012	12	21	2	V	5.3	1.1	2.62	63
250051004	2012	12	21	3	V	4.8	1.2	3.59	78
250051004	2012	12	21	4	V	7.3	1.3	4.29	92
250051004	2012	12	21	5	V	8.0	1.4	4.9	116
250051004	2012	12	21	6	V	6.2	1.4	7.47	104
250051004	2012	12	21	7	V	9.3	1.5	8.85	103
250051004	2012	12	21	8	V	8.3	1.7	9.05	105
250051004	2012	12	21	9	V	7.2	1.8	9.93	102
250051004	2012	12	21	10	V	8.2	1.9	10.6	109
250051004	2012	12	21	11	V	8.6	2	10.95	114
250051004	2012	12	21	12	V	8.5	2.1	11.75	121
250051004	2012	12	21	13	V	8.8	2.3	12.72	143
250051004	2012	12	21	14	V	9.3	3.3	7.94	184
250051004	2012	12	21	15	V	8.0	4.1	10.43	199
250051004	2012	12	21	16	V	6.8	2.5	8.79	209

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	21	17	V	8.9	2.5	5.9	208
250051004	2012	12	21	18	V	5.8	2.6	5.56	216
250051004	2012	12	21	19	V	4.4	2.8	7.21	221
250051004	2012	12	21	20	V	4.3	2.7	6.65	225
250051004	2012	12	21	21	V	4.1	2.7	6.8	227
250051004	2012	12	21	22	V	3.6	2.8	6.18	228
250051004	2012	12	21	23	V	3.7	3	6.36	231
250051004	2012	12	21	24	V	4.8	3.1	6.23	239
250051004	2012	12	22	1	V	4.1	3.2	5.38	240
250051004	2012	12	22	2	V	5.3	3.1	4.54	227
250051004	2012	12	22	3	V	4.8	3.6	4.31	222
250051004	2012	12	22	4	V	7.3	4.3	3.86	214
250051004	2012	12	22	5	V	8.0	3.3	4.9	230
250051004	2012	12	22	6	V	6.2	3.1	4.24	241
250051004	2012	12	22	7	V	9.3	3.1	4.42	246
250051004	2012	12	22	8	V	8.3	3	4.46	245
250051004	2012	12	22	9	V	7.2	3	5.19	255
250051004	2012	12	22	10	V	8.1	2.6	7.6	280
250051004	2012	12	22	11	V	8.6	1.9	8.49	284
250051004	2012	12	22	12	V	8.5	2	9.24	286
250051004	2012	12	22	13	V	8.8	2.2	9.53	283
250051004	2012	12	22	14	V	9.3	2.2	8.9	286
250051004	2012	12	22	15	V	8.0	2.2	8.85	284
250051004	2012	12	22	16	V	6.8	2.2	9.25	289
250051004	2012	12	22	17	V	8.9	2.2	8.64	289
250051004	2012	12	22	18	V	5.8	2.5	7.72	293
250051004	2012	12	22	19	V	4.4	2.1	7.67	300
250051004	2012	12	22	20	V	4.3	1.9	8.05	300
250051004	2012	12	22	21	V	4.1	1.6	8.1	300
250051004	2012	12	22	22	V	3.6	2	7.94	301
250051004	2012	12	22	23	V	3.7	1.7	7.64	300
250051004	2012	12	22	24	V	4.8	1.7	7.6	302
250051004	2012	12	23	1	V	4.1	1.8	6.67	297
250051004	2012	12	23	2	V	5.3	1.7	8.1	296
250051004	2012	12	23	3	V	4.8	1.7	5.36	284
250051004	2012	12	23	4	V	7.3	1.7	4.77	273
250051004	2012	12	23	5	V	8.0	1.6	4.41	273
250051004	2012	12	23	6	V	6.2	1.6	6.28	277
250051004	2012	12	23	7	V	9.3	1.6	5.75	261
250051004	2012	12	23	8	V	8.3	1.6	6.23	264
250051004	2012	12	23	9	V	7.2	1.3	6.35	263
250051004	2012	12	23	10	V	8.2	1.3	6.75	265
250051004	2012	12	23	11	V	8.6	1.4	6.52	252
250051004	2012	12	23	12	V	8.5	1.6	5.5	252
250051004	2012	12	23	13	V	8.8	1.3	5.63	254
250051004	2012	12	23	14	V	9.3	1.2	4.02	256

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	23	15	V	8.0	1.6	3.63	235
250051004	2012	12	23	16	V	6.8	1.6	4.08	226
250051004	2012	12	23	17	V	8.9	1.7	2.74	220
250051004	2012	12	23	18	V	5.8	1.8	2.18	192
250051004	2012	12	23	19	V	4.4	-999	2.22	188
250051004	2012	12	23	20	V	4.3	1.5	2.59	227
250051004	2012	12	23	21	V	4.1	1.7	2.76	246
250051004	2012	12	23	22	V	3.6	2.2	2.83	274
250051004	2012	12	23	23	V	3.7	2.7	2.86	265
250051004	2012	12	23	24	V	4.8	3.1	2.64	265
250051004	2012	12	24	1	V	4.1	3.4	2.76	263
250051004	2012	12	24	2	V	5.3	3.6	2.18	204
250051004	2012	12	24	3	V	4.8	3.5	1.28	216
250051004	2012	12	24	4	V	7.3	3.1	1.43	217
250051004	2012	12	24	5	V	8.0	3.2	2.43	226
250051004	2012	12	24	6	V	6.2	3.1	2.66	243
250051004	2012	12	24	7	V	9.3	3	2.66	247
250051004	2012	12	24	8	V	8.3	2.5	2.01	255
250051004	2012	12	24	9	V	7.2	2.6	2.69	251
250051004	2012	12	24	10	V	8.1	2.5	2.91	280
250051004	2012	12	24	11	V	8.6	3.3	4.12	291
250051004	2012	12	24	12	V	8.5	3.2	2.76	284
250051004	2012	12	24	13	V	9.2	1.7	2.04	263
250051004	2012	12	24	14	V	9.3	1.4	2.37	229
250051004	2012	12	24	15	V	8.0	1.4	1.74	226
250051004	2012	12	24	16	V	6.8	1.5	1.55	246
250051004	2012	12	24	17	V	8.9	1.9	1.59	168
250051004	2012	12	24	18	V	5.8	2	1.26	173
250051004	2012	12	24	19	V	4.4	1.9	1.38	237
250051004	2012	12	24	20	V	4.3	1.7	1.25	242
250051004	2012	12	24	21	V	4.1	2.1	0.84	309
250051004	2012	12	24	22	V	3.6	2.1	0.84	268
250051004	2012	12	24	23	V	3.7	2.6	1.08	55
250051004	2012	12	24	24	V	4.8	2.2	1.23	8
250051004	2012	12	25	1	V	4.1	3.2	2.25	1
250051004	2012	12	25	2	V	5.3	2.1	2.06	29
250051004	2012	12	25	3	V	4.8	1.7	2.57	40
250051004	2012	12	25	4	V	7.3	1.7	3.01	26
250051004	2012	12	25	5	V	8.0	1.5	2.69	19
250051004	2012	12	25	6	V	6.2	1.5	3.18	8
250051004	2012	12	25	7	V	9.3	1.5	3.9	3
250051004	2012	12	25	8	V	8.3	1.6	4.12	5
250051004	2012	12	25	9	V	7.2	1.7	4.49	4
250051004	2012	12	25	10	V	8.1	1.7	5.14	360
250051004	2012	12	25	11	V	8.6	1.9	4.73	353
250051004	2012	12	25	12	V	8.4	1.6	3.88	350

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	25	13	V	8.8	1.6	4.53	346
250051004	2012	12	25	14	V	9.3	1.6	4.7	350
250051004	2012	12	25	15	V	10.4	1.6	4.29	335
250051004	2012	12	25	16	V	6.8	1.3	3.54	347
250051004	2012	12	25	17	V	8.9	1.3	3.68	351
250051004	2012	12	25	18	V	5.8	1.4	2.78	352
250051004	2012	12	25	19	V	4.4	1.4	2.16	328
250051004	2012	12	25	20	V	4.3	1.3	3.32	328
250051004	2012	12	25	21	V	4.1	1.5	3.22	333
250051004	2012	12	25	22	V	3.6	1.3	3.68	331
250051004	2012	12	25	23	V	3.7	1.4	3.08	334
250051004	2012	12	25	24	V	4.8	1.3	2.66	331
250051004	2012	12	26	1	V	4.1	1.2	3.35	347
250051004	2012	12	26	2	V	5.3	1.2	1.71	330
250051004	2012	12	26	3	V	4.8	1.3	3.27	340
250051004	2012	12	26	4	V	7.3	1.4	2.54	336
250051004	2012	12	26	5	V	8.0	1.2	4.07	353
250051004	2012	12	26	6	V	6.2	1.3	3.54	3
250051004	2012	12	26	7	V	9.3	1.6	2.93	347
250051004	2012	12	26	8	V	8.3	2.1	2.25	313
250051004	2012	12	26	9	V	7.2	2.6	3.98	2
250051004	2012	12	26	10	V	8.1	2.4	2.35	353
250051004	2012	12	26	11	V	8.7	2.3	3.34	20
250051004	2012	12	26	12	V	8.5	2.4	3.37	30
250051004	2012	12	26	13	V	8.8	1.6	4.8	46
250051004	2012	12	26	14	V	9.3	1.6	5.33	52
250051004	2012	12	26	15	V	8.0	1.3	4.85	48
250051004	2012	12	26	16	V	6.8	1.1	5.02	46
250051004	2012	12	26	17	V	8.9	1.2	4.58	61
250051004	2012	12	26	18	V	5.8	1.2	5.05	57
250051004	2012	12	26	19	V	4.4	-999	5.62	53
250051004	2012	12	26	20	V	4.3	1	6.21	65
250051004	2012	12	26	21	V	4.1	0.9	5.67	58
250051004	2012	12	26	22	V	3.6	1.1	5.7	61
250051004	2012	12	26	23	V	3.7	1.1	6.14	63
250051004	2012	12	26	24	V	4.8	1.2	7.81	53
250051004	2012	12	27	1	V	4.1	1.4	7.84	59
250051004	2012	12	27	2	V	5.3	1.4	8.57	61
250051004	2012	12	27	3	V	4.8	1.7	8.35	61
250051004	2012	12	27	4	V	7.3	1.9	7.77	54
250051004	2012	12	27	5	V	8.0	2	7.42	52
250051004	2012	12	27	6	V	6.2	2.1	7.04	29
250051004	2012	12	27	7	V	9.3	2.2	6.86	12
250051004	2012	12	27	8	V	8.3	2.3	5.8	9
250051004	2012	12	27	9	V	7.2	2.5	4.6	351
250051004	2012	12	27	10	V	8.1	2.5	4.48	5

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	27	11	V	8.6	3.1	4.59	345
250051004	2012	12	27	12	V	8.4	4.2	5.63	356
250051004	2012	12	27	13	V	9.4	3.2	6.46	341
250051004	2012	12	27	14	V	9.3	2.8	6.62	350
250051004	2012	12	27	15	V	22.6	2.4	5.31	329
250051004	2012	12	27	16	V	7.8	3.2	6.06	322
250051004	2012	12	27	17	V	10.1	4.9	6.97	321
250051004	2012	12	27	18	V	10.5	4.8	7.38	327
250051004	2012	12	27	19	V	8.8	8.5	7.32	326
250051004	2012	12	27	20	V	8.7	86.3	7.52	324
250051004	2012	12	27	21	V	6.9	64.1	6.74	328
250051004	2012	12	27	22	V	3.9	78.4	5.29	323
250051004	2012	12	27	23	V	3.7	31.3	5.33	312
250051004	2012	12	27	24	V	4.8	3.7	6.91	303
250051004	2012	12	28	1	V	4.1	2.6	7.14	304
250051004	2012	12	28	2	V	5.3	2.1	7.11	302
250051004	2012	12	28	3	V	4.8	7.6	6.89	301
250051004	2012	12	28	4	V	7.3	25.2	6.09	303
250051004	2012	12	28	5	V	8.1	4.7	6.23	319
250051004	2012	12	28	6	V	8.6	12.6	7.6	324
250051004	2012	12	28	7	V	9.3	2.1	6.01	316
250051004	2012	12	28	8	V	8.3	1.8	5.44	307
250051004	2012	12	28	9	V	7.2	3	6.07	296
250051004	2012	12	28	10	V	8.8	4.2	7.5	311
250051004	2012	12	28	11	V	12.2	6.2	6.47	314
250051004	2012	12	28	12	V	26.2	16.6	6.69	319
250051004	2012	12	28	13	V	9.3	1.9	6.91	308
250051004	2012	12	28	14	V	16.9	2.6	5.62	315
250051004	2012	12	28	15	V	8.1	1.8	5.26	304
250051004	2012	12	28	16	V	6.8	2	4.36	304
250051004	2012	12	28	17	V	8.9	1.8	3.74	303
250051004	2012	12	28	18	V	5.8	1.9	2.62	296
250051004	2012	12	28	19	V	4.4	1.7	2.78	272
250051004	2012	12	28	20	V	4.3	1.4	2.67	290
250051004	2012	12	28	21	V	4.1	1.8	1.86	285
250051004	2012	12	28	22	V	3.6	1.8	1.28	249
250051004	2012	12	28	23	V	3.7	2.1	1.82	224
250051004	2012	12	28	24	V	4.8	2.2	1.7	231
250051004	2012	12	29	1	V	4.1	1.9	1.84	216
250051004	2012	12	29	2	V	5.3	1.8	1.48	247
250051004	2012	12	29	3	V	4.8	2.1	0.86	313
250051004	2012	12	29	4	V	7.3	6.5	1.5	197
250051004	2012	12	29	5	V	8.0	3	1.48	259
250051004	2012	12	29	6	V	6.2	2.8	0.86	243
250051004	2012	12	29	7	V	9.3	3.7	1.79	211
250051004	2012	12	29	8	V	8.3	3.6	1.38	33

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	29	9	V	7.3	5.6	0.87	323
250051004	2012	12	29	10	V	8.1	5.3	2.15	36
250051004	2012	12	29	11	V	8.6	2.6	2.4	36
250051004	2012	12	29	12	V	8.6	2.1	2.47	50
250051004	2012	12	29	13	V	8.8	2	3.95	49
250051004	2012	12	29	14	V	9.3	2.4	4.85	42
250051004	2012	12	29	15	V	8.0	2.3	5.11	41
250051004	2012	12	29	16	V	6.8	2.2	4.07	23
250051004	2012	12	29	17	V	8.9	2.3	5.58	16
250051004	2012	12	29	18	V	5.8	2.2	5.75	11
250051004	2012	12	29	19	V	4.4	-999	5.8	360
250051004	2012	12	29	20	V	4.3	2	6.92	358
250051004	2012	12	29	21	V	4.1	2.2	6.69	349
250051004	2012	12	29	22	V	3.6	2.1	6.14	342
250051004	2012	12	29	23	V	4.3	2.1	6.14	330
250051004	2012	12	29	24	V	5.1	10.4	6.81	334
250051004	2012	12	30	1	V	4.2	2.8	6.3	334
250051004	2012	12	30	2	V	7.3	14.9	5.89	325
250051004	2012	12	30	3	V	4.8	13.5	5.63	310
250051004	2012	12	30	4	V	7.3	11.9	4.75	308
250051004	2012	12	30	5	V	8.0	2.9	4.54	293
250051004	2012	12	30	6	V	6.2	2.8	6.21	293
250051004	2012	12	30	7	V	9.3	2.3	6.89	297
250051004	2012	12	30	8	V	8.3	2.3	7.28	299
250051004	2012	12	30	9	V	7.2	2.1	7.23	303
250051004	2012	12	30	10	V	8.3	1.4	7.89	308
250051004	2012	12	30	11	V	8.7	2.3	8.56	307
250051004	2012	12	30	12	V	8.5	1.9	8.81	297
250051004	2012	12	30	13	V	8.8	2.7	9.44	300
250051004	2012	12	30	14	V	9.3	2.3	7.77	304
250051004	2012	12	30	15	V	8.0	1.9	7.18	299
250051004	2012	12	30	16	V	6.8	2	8.1	298
250051004	2012	12	30	17	V	8.9	1.8	8.06	294
250051004	2012	12	30	18	V	5.8	1.8	6.81	296
250051004	2012	12	30	19	V	4.4	1.6	6.75	297
250051004	2012	12	30	20	V	4.3	1.6	6.77	298
250051004	2012	12	30	21	V	4.1	1.5	6.28	300
250051004	2012	12	30	22	V	3.6	1.7	6.01	298
250051004	2012	12	30	23	V	3.7	1.6	6.64	301
250051004	2012	12	30	24	V	4.8	1.6	4.88	301
250051004	2012	12	31	1	V	4.1	1.8	3.81	291
250051004	2012	12	31	2	V	5.3	1.8	2.91	281
250051004	2012	12	31	3	V	4.8	-999	3.15	279
250051004	2012	12	31	4	V	7.3	-999	4.24	249
250051004	2012	12	31	5	V	8.0	1.6	4.65	238
250051004	2012	12	31	6	V	6.2	1.3	5.34	240

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2012	12	31	7	V	9.3	1.6	4.6	229
250051004	2012	12	31	8	V	8.3	1.8	4.59	231
250051004	2012	12	31	9	V	7.2	1.9	5.34	239
250051004	2012	12	31	10	V	8.1	2	4.95	245
250051004	2012	12	31	11	V	8.6	2	3.91	257
250051004	2012	12	31	12	V	8.5	2	5	270
250051004	2012	12	31	13	V	8.8	1.8	5.9	280
250051004	2012	12	31	14	V	9.3	1.7	6.09	276
250051004	2012	12	31	15	V	8.0	1.9	5.84	264
250051004	2012	12	31	16	V	6.8	2.2	4.53	253
250051004	2012	12	31	17	V	8.9	1.8	3.29	228
250051004	2012	12	31	18	V	5.8	2.2	3.9	225
250051004	2012	12	31	19	V	4.4	2.2	3.42	238
250051004	2012	12	31	20	V	4.3	2.8	3.91	240
250051004	2012	12	31	21	V	4.1	3.5	5.36	248
250051004	2012	12	31	22	V	3.6	3.8	3.86	261
250051004	2012	12	31	23	V	3.7	4.2	4.86	261
250051004	2012	12	31	24	V	4.8	4.1	3.36	248
250051004	2013	1	1	1	V	4.1	3.8	3.36	231
250051004	2013	1	1	2	V	5.3	3.6	3.86	228
250051004	2013	1	1	3	V	4.8	3.5	3.86	234
250051004	2013	1	1	4	V	7.3	3.8	4.36	233
250051004	2013	1	1	5	V	8.0	3.6	4.7	240
250051004	2013	1	1	6	V	6.2	3.7	3.74	228
250051004	2013	1	1	7	V	9.3	3.7	4.51	229
250051004	2013	1	1	8	V	8.3	3.1	3.91	234
250051004	2013	1	1	9	V	7.2	3.2	3.61	245
250051004	2013	1	1	10	V	8.1	3.2	4.39	269
250051004	2013	1	1	11	V	8.6	2.6	6.3	294
250051004	2013	1	1	12	V	8.5	2	6.86	300
250051004	2013	1	1	13	V	8.8	2.3	5.82	302
250051004	2013	1	1	14	V	9.3	1.9	6.6	294
250051004	2013	1	1	15	V	8.0	2.1	5.09	302
250051004	2013	1	1	16	V	6.8	3	5.55	309
250051004	2013	1	1	17	V	8.9	2.7	7.42	293
250051004	2013	1	1	18	V	5.8	1.6	5.72	299
250051004	2013	1	1	19	V	4.4	-999	5.48	301
250051004	2013	1	1	20	V	4.3	1.7	4.76	303
250051004	2013	1	1	21	V	4.1	1.9	5.19	299
250051004	2013	1	1	22	V	3.6	2.1	4.92	296
250051004	2013	1	1	23	V	3.7	2	5.04	297
250051004	2013	1	1	24	V	4.8	2.1	4.37	293
250051004	2013	1	2	1	V	4.1	2	4.02	295
250051004	2013	1	2	2	V	5.3	1.8	3.42	299
250051004	2013	1	2	3	V	4.8	2.3	3.4	299
250051004	2013	1	2	4	V	7.3	2.4	2.86	299

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	2	5	V	8.0	4	2.91	295
250051004	2013	1	2	6	V	6.2	3.6	3	275
250051004	2013	1	2	7	V	9.3	2.9	4.14	278
250051004	2013	1	2	8	V	8.3	3.1	5.05	276
250051004	2013	1	2	9	V	7.2	3	4.53	277
250051004	2013	1	2	10	V	8.2	2.5	5.21	281
250051004	2013	1	2	11	V	8.6	2.6	5.33	267
250051004	2013	1	2	12	V	8.5	2.4	5.78	278
250051004	2013	1	2	13	V	8.8	2.1	5.77	275
250051004	2013	1	2	14	V	9.3	2.2	5.65	282
250051004	2013	1	2	15	V	8.0	2	6.67	295
250051004	2013	1	2	16	V	6.8	2	6.77	294
250051004	2013	1	2	17	V	8.9	2	5.17	304
250051004	2013	1	2	18	V	5.8	3.3	3.24	309
250051004	2013	1	2	19	V	4.4	3	2.4	315
250051004	2013	1	2	20	V	4.3	1.7	3.01	299
250051004	2013	1	2	21	V	4.1	1.6	1.98	315
250051004	2013	1	2	22	V	3.6	5.6	3.46	321
250051004	2013	1	2	23	V	3.7	21.8	4.63	339
250051004	2013	1	2	24	V	4.8	3.8	4.26	322
250051004	2013	1	3	1	V	4.1	7	3.81	334
250051004	2013	1	3	2	V	5.6	2.3	4.85	325
250051004	2013	1	3	3	V	4.9	6	5.14	330
250051004	2013	1	3	4	V	7.3	2.8	5.28	316
250051004	2013	1	3	5	V	8.0	12.8	4.2	317
250051004	2013	1	3	6	V	6.2	8.3	3.42	306
250051004	2013	1	3	7	V	9.3	3.7	3.29	303
250051004	2013	1	3	8	V	8.3	4	2.95	295
250051004	2013	1	3	9	V	11.0	3.9	4.48	318
250051004	2013	1	3	10	V	16.1	4.6	3.49	315
250051004	2013	1	3	11	V	16.0	8.9	3.69	313
250051004	2013	1	3	12	V	8.6	3.3	3.73	291
250051004	2013	1	3	13	V	8.9	3.4	3.69	287
250051004	2013	1	3	14	V	9.5	2.8	3.52	297
250051004	2013	1	3	15	V	8.3	2.9	4.56	307
250051004	2013	1	3	16	V	6.8	2	4.68	306
250051004	2013	1	3	17	V	8.9	2.4	2.5	288
250051004	2013	1	3	18	V	5.8	2.6	2.25	252
250051004	2013	1	3	19	V	4.4	2.8	1.79	233
250051004	2013	1	3	20	V	4.3	2.6	1.91	219
250051004	2013	1	3	21	V	4.1	2.5	2.3	220
250051004	2013	1	3	22	V	3.6	2.5	1.45	249
250051004	2013	1	3	23	V	3.7	2.6	1.65	230
250051004	2013	1	3	24	V	4.8	2.4	1.08	237
250051004	2013	1	4	1	V	4.1	2.8	3.27	267
250051004	2013	1	4	2	V	5.3	3.2	4.19	265

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	4	3	V	4.8	4	4.44	264
250051004	2013	1	4	4	V	7.3	4.1	4.51	262
250051004	2013	1	4	5	V	8.0	4.2	5.07	255
250051004	2013	1	4	6	V	6.2	4	5.22	255
250051004	2013	1	4	7	V	9.3	4.3	4.8	262
250051004	2013	1	4	8	V	8.3	4.5	4.93	262
250051004	2013	1	4	9	V	7.2	4.9	5.22	265
250051004	2013	1	4	10	V	8.2	3.7	5.89	263
250051004	2013	1	4	11	V	8.6	3.2	6.07	267
250051004	2013	1	4	12	V	8.5	2.8	5.7	252
250051004	2013	1	4	13	V	8.8	3.3	7.01	240
250051004	2013	1	4	14	V	9.3	2.6	7.55	248
250051004	2013	1	4	15	V	8.0	2.5	7.89	242
250051004	2013	1	4	16	V	6.8	2.3	7.4	244
250051004	2013	1	4	17	V	8.9	2.2	5.77	233
250051004	2013	1	4	18	V	5.8	2.4	4.53	230
250051004	2013	1	4	19	V	4.4	-999	4	228
250051004	2013	1	4	20	V	4.3	2.3	4.14	234
250051004	2013	1	4	21	V	4.1	2.5	4.88	236
250051004	2013	1	4	22	V	3.6	2.8	4.73	240
250051004	2013	1	4	23	V	3.7	2.7	3.05	226
250051004	2013	1	4	24	V	4.8	2.7	2.79	217
250051004	2013	1	5	1	V	4.1	2.8	3.25	227
250051004	2013	1	5	2	V	5.3	2.6	2.81	230
250051004	2013	1	5	3	V	4.8	2.5	2.67	223
250051004	2013	1	5	4	V	7.3	2.3	3.17	224
250051004	2013	1	5	5	V	8.0	2	4.94	228
250051004	2013	1	5	6	V	6.2	2	5.6	238
250051004	2013	1	5	7	V	9.3	2	4.58	233
250051004	2013	1	5	8	V	8.3	1.8	4.41	229
250051004	2013	1	5	9	V	7.2	1.8	4.92	236
250051004	2013	1	5	10	V	8.1	1.9	5.58	249
250051004	2013	1	5	11	V	8.6	1.7	5.56	275
250051004	2013	1	5	12	V	8.5	1.7	5.62	300
250051004	2013	1	5	13	V	9.0	2.8	6.62	305
250051004	2013	1	5	14	V	19.7	1.6	5.43	318
250051004	2013	1	5	15	V	8.4	1.5	4.24	304
250051004	2013	1	5	16	V	6.8	1.8	3.59	276
250051004	2013	1	5	17	V	8.9	2.1	2.62	274
250051004	2013	1	5	18	V	5.8	2	2.3	260
250051004	2013	1	5	19	V	4.4	1.8	2.76	266
250051004	2013	1	5	20	V	4.3	2.2	1.98	271
250051004	2013	1	5	21	V	4.1	2.5	1.62	280
250051004	2013	1	5	22	V	3.6	2.4	1.16	265
250051004	2013	1	5	23	V	3.7	3.1	0.96	170
250051004	2013	1	5	24	V	4.8	2.4	1.25	255

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	6	1	V	4.1	3.3	0.77	258
250051004	2013	1	6	2	V	5.3	3.2	1.62	268
250051004	2013	1	6	3	V	4.8	4	1.11	272
250051004	2013	1	6	4	V	7.3	4.1	1.16	249
250051004	2013	1	6	5	V	8.0	3.3	1.01	178
250051004	2013	1	6	6	V	6.2	2.6	1.04	188
250051004	2013	1	6	7	V	9.3	2.2	2.03	180
250051004	2013	1	6	8	V	8.3	1.9	0.72	174
250051004	2013	1	6	9	V	7.2	2.3	2.64	207
250051004	2013	1	6	10	V	8.2	3.4	4.46	223
250051004	2013	1	6	11	V	8.6	3.2	4.6	232
250051004	2013	1	6	12	V	8.5	2.8	6.21	245
250051004	2013	1	6	13	V	8.8	2.4	5.63	242
250051004	2013	1	6	14	V	9.4	2.4	4.24	243
250051004	2013	1	6	15	V	8.1	2.4	3.49	249
250051004	2013	1	6	16	V	6.8	2.5	3.12	261
250051004	2013	1	6	17	V	8.9	2.5	2.3	243
250051004	2013	1	6	18	V	5.8	2.7	1.69	242
250051004	2013	1	6	19	V	4.4	3	1.35	241
250051004	2013	1	6	20	V	4.3	2.7	1.48	225
250051004	2013	1	6	21	V	4.1	3	2.25	256
250051004	2013	1	6	22	V	3.6	3	1.64	247
250051004	2013	1	6	23	V	3.7	2.8	2.2	231
250051004	2013	1	6	24	V	4.8	3.3	2.84	263
250051004	2013	1	7	1	V	4.1	3.4	4	264
250051004	2013	1	7	2	V	5.3	3.2	3.25	270
250051004	2013	1	7	3	V	4.8	3.5	3.51	266
250051004	2013	1	7	4	V	7.3	3.4	3.27	276
250051004	2013	1	7	5	V	8.0	3.8	3.63	289
250051004	2013	1	7	6	V	6.2	4.5	3.98	282
250051004	2013	1	7	7	V	9.3	4.7	3.73	280
250051004	2013	1	7	8	V	8.3	4.7	4.7	288
250051004	2013	1	7	9	V	7.2	5.2	4.7	296
250051004	2013	1	7	10	V	21.2	17.3	5.09	330
250051004	2013	1	7	11	V	8.9	6.2	7.13	345
250051004	2013	1	7	12	V	9.2	2.2	6.86	345
250051004	2013	1	7	13	V	13.2	2.1	5.38	342
250051004	2013	1	7	14	V	15.3	3.1	3.81	343
250051004	2013	1	7	15	V	22.8	1.7	3.52	322
250051004	2013	1	7	16	V	6.8	1.8	2.36	355
250051004	2013	1	7	17	V	8.9	2	2.12	341
250051004	2013	1	7	18	V	5.8	1.8	2.23	315
250051004	2013	1	7	19	V	4.4	-999	1.09	343
250051004	2013	1	7	20	V	4.3	1.7	1.32	195
250051004	2013	1	7	21	V	4.1	1.9	1.16	221
250051004	2013	1	7	22	V	3.6	1.5	1.12	284

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	7	23	V	3.7	1.2	1.14	278
250051004	2013	1	7	24	V	4.8	1.1	1.4	268
250051004	2013	1	8	1	V	4.1	1	1.26	271
250051004	2013	1	8	2	V	5.3	0.9	1.3	239
250051004	2013	1	8	3	V	4.8	1.1	1.48	227
250051004	2013	1	8	4	V	7.3	23.5	2.2	198
250051004	2013	1	8	5	V	8.0	13.3	1.98	211
250051004	2013	1	8	6	V	6.2	5	1.55	216
250051004	2013	1	8	7	V	9.3	3.5	2.91	208
250051004	2013	1	8	8	V	8.3	2.9	4.12	216
250051004	2013	1	8	9	V	7.2	2.9	6.47	227
250051004	2013	1	8	10	V	8.1	2.6	7.56	227
250051004	2013	1	8	11	V	8.6	1.9	7.99	236
250051004	2013	1	8	12	V	8.4	1.8	8.71	244
250051004	2013	1	8	13	V	8.8	1.7	7.93	241
250051004	2013	1	8	14	V	9.3	1.7	6.5	231
250051004	2013	1	8	15	V	8.0	1.7	5.97	230
250051004	2013	1	8	16	V	6.8	1.7	5.1	219
250051004	2013	1	8	17	V	8.9	1.9	3.81	217
250051004	2013	1	8	18	V	5.8	1.9	2.45	235
250051004	2013	1	8	19	V	4.4	1.7	2.91	213
250051004	2013	1	8	20	V	4.3	1.8	1.38	180
250051004	2013	1	8	21	V	4.1	1.8	1.06	78
250051004	2013	1	8	22	V	3.6	1.5	1.42	287
250051004	2013	1	8	23	V	3.7	1.6	0.84	238
250051004	2013	1	8	24	V	4.8	1.6	2.05	196
250051004	2013	1	9	1	V	4.1	1.9	1.5	210
250051004	2013	1	9	2	V	5.3	1.5	0.96	201
250051004	2013	1	9	3	V	4.8	1.5	0.69	205
250051004	2013	1	9	4	V	7.3	1.7	1.28	228
250051004	2013	1	9	5	V	8.0	1.5	1.2	257
250051004	2013	1	9	6	V	6.2	1.1	1.38	288
250051004	2013	1	9	7	V	9.3	1.3	1.21	290
250051004	2013	1	9	8	V	8.3	2.1	0.77	35
250051004	2013	1	9	9	V	7.2	3.1	0.75	244
250051004	2013	1	9	10	V	8.1	6.2	0.62	195
250051004	2013	1	9	11	V	8.6	8.2	1.03	140
250051004	2013	1	9	12	V	8.4	6.5	2.49	161
250051004	2013	1	9	13	V	8.8	3.5	3.2	161
250051004	2013	1	9	14	V	9.3	3.5	2.18	198
250051004	2013	1	9	15	V	8.0	3.2	2.89	198
250051004	2013	1	9	16	V	6.8	2.8	3.2	185
250051004	2013	1	9	17	V	8.9	2.5	4.88	170
250051004	2013	1	9	18	V	5.8	2.2	3.06	217
250051004	2013	1	9	19	V	4.4	2.4	6.74	235
250051004	2013	1	9	20	V	4.3	2.2	7.96	248

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	9	21	V	4.1	2	7.01	252
250051004	2013	1	9	22	V	3.6	2.7	7.42	256
250051004	2013	1	9	23	V	3.7	2.9	5.94	258
250051004	2013	1	9	24	V	4.8	2.5	5.48	265
250051004	2013	1	10	1	V	4.1	2.4	4.48	265
250051004	2013	1	10	2	V	5.3	2.2	5.14	270
250051004	2013	1	10	3	V	4.8	1.5	8.2	289
250051004	2013	1	10	4	V	7.3	1.2	7.67	299
250051004	2013	1	10	5	V	8.0	1.4	5.33	307
250051004	2013	1	10	6	V	6.2	1.5	6.09	303
250051004	2013	1	10	7	V	9.3	1.7	4.58	294
250051004	2013	1	10	8	V	8.3	2.3	4.37	283
250051004	2013	1	10	9	V	7.2	1.3	4.88	281
250051004	2013	1	10	10	V	8.1	1.3	5.89	294
250051004	2013	1	10	11	V	8.7	1.4	7.08	307
250051004	2013	1	10	12	V	9.8	1.8	6.84	312
250051004	2013	1	10	13	V	9.1	1.4	6.58	307
250051004	2013	1	10	14	V	9.7	1.4	6.57	308
250051004	2013	1	10	15	V	8.5	1.5	6.4	310
250051004	2013	1	10	16	V	6.8	2.6	5.48	308
250051004	2013	1	10	17	V	8.9	1.2	4.05	314
250051004	2013	1	10	18	V	5.8	1.4	2.45	302
250051004	2013	1	10	19	V	4.4	-999	2.84	288
250051004	2013	1	10	20	V	4.3	1.6	2.59	284
250051004	2013	1	10	21	V	4.1	2.1	2.59	281
250051004	2013	1	10	22	V	3.6	2.2	2.21	309
250051004	2013	1	10	23	V	3.7	1.8	2.15	319
250051004	2013	1	10	24	V	4.8	1.6	2.57	344
250051004	2013	1	11	1	V	4.1	1.3	2.47	345
250051004	2013	1	11	2	V	5.3	1.3	1.62	341
250051004	2013	1	11	3	V	4.8	1.4	1.6	314
250051004	2013	1	11	4	V	7.3	1.5	0.96	345
250051004	2013	1	11	5	V	8.0	1.1	1.06	319
250051004	2013	1	11	6	V	6.2	1.5	1.37	306
250051004	2013	1	11	7	V	9.3	1.8	1.67	344
250051004	2013	1	11	8	V	8.3	2.6	1.42	13
250051004	2013	1	11	9	V	7.2	4	0.94	237
250051004	2013	1	11	10	V	8.2	4.2	0.99	15
250051004	2013	1	11	11	V	8.9	3.3	1.52	87
250051004	2013	1	11	12	V	11.3	2	0.67	127
250051004	2013	1	11	13	V	13.2	2	0.58	114
250051004	2013	1	11	14	C	-999	3.1	0	0
250051004	2013	1	11	15	V	8.0	2.8	1.37	167
250051004	2013	1	11	16	V	6.8	2.3	1.14	116
250051004	2013	1	11	17	V	8.9	1.6	1.2	97
250051004	2013	1	11	18	V	5.8	1.4	0.62	118

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	11	19	V	4.4	1.4	0.84	86
250051004	2013	1	11	20	V	4.3	1.3	1.21	128
250051004	2013	1	11	21	V	4.1	1.3	1.84	124
250051004	2013	1	11	22	V	3.6	1.3	1.88	107
250051004	2013	1	11	23	V	3.7	1.2	3.27	123
250051004	2013	1	11	24	V	4.8	1.1	3.05	130
250051004	2013	1	12	1	V	4.1	1.2	2.49	83
250051004	2013	1	12	2	V	5.3	1.1	2.16	99
250051004	2013	1	12	3	V	4.8	1.3	1.71	91
250051004	2013	1	12	4	V	7.3	1.1	2.62	121
250051004	2013	1	12	5	V	8.0	1.3	2.06	123
250051004	2013	1	12	6	V	6.2	1.3	1.77	61
250051004	2013	1	12	7	V	9.3	1.3	2.33	46
250051004	2013	1	12	8	V	8.3	1.1	2.28	13
250051004	2013	1	12	9	V	7.2	1.3	2.4	16
250051004	2013	1	12	10	V	8.1	1.4	3	32
250051004	2013	1	12	11	V	8.7	1.5	2.37	30
250051004	2013	1	12	12	V	8.7	1.4	2.03	40
250051004	2013	1	12	13	V	8.9	1.4	2.5	58
250051004	2013	1	12	14	V	9.6	1.4	1.64	12
250051004	2013	1	12	15	V	8.2	1.4	1.48	35
250051004	2013	1	12	16	V	6.8	1.2	1.2	61
250051004	2013	1	12	17	V	8.9	1.3	1.47	42
250051004	2013	1	12	18	V	5.8	1.5	1.08	331
250051004	2013	1	12	19	V	4.4	1.2	0.96	349
250051004	2013	1	12	20	V	4.3	1.1	0.58	197
250051004	2013	1	12	21	V	4.1	1.4	0.99	235
250051004	2013	1	12	22	V	3.6	1.4	1.13	264
250051004	2013	1	12	23	V	3.7	1.3	0.91	220
250051004	2013	1	12	24	V	4.8	1.3	0.97	209
250051004	2013	1	13	1	V	4.1	1.2	0.53	236
250051004	2013	1	13	2	V	5.3	1.3	1.11	167
250051004	2013	1	13	3	V	4.8	1.3	1.13	174
250051004	2013	1	13	4	V	7.3	1.3	0.96	187
250051004	2013	1	13	5	V	8.0	1.3	0.94	147
250051004	2013	1	13	6	V	6.2	1.4	1.77	162
250051004	2013	1	13	7	V	9.3	1.3	2.28	181
250051004	2013	1	13	8	V	8.3	1.2	2.47	178
250051004	2013	1	13	9	V	7.2	1.2	2.57	188
250051004	2013	1	13	10	V	8.1	1.2	2.61	183
250051004	2013	1	13	11	V	8.6	1.1	3.2	178
250051004	2013	1	13	12	V	8.4	1.3	2.83	160
250051004	2013	1	13	13	V	8.8	1.1	3.74	187
250051004	2013	1	13	14	V	9.3	1.5	3.91	181
250051004	2013	1	13	15	V	8.0	1.4	4.92	197
250051004	2013	1	13	16	V	6.8	1.3	4.9	191

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	13	17	V	8.9	1.2	4.6	183
250051004	2013	1	13	18	V	5.8	1.2	3.78	182
250051004	2013	1	13	19	V	4.4	-999	4.26	186
250051004	2013	1	13	20	V	4.3	1.2	3.97	185
250051004	2013	1	13	21	V	4.1	1.3	1.96	164
250051004	2013	1	13	22	V	3.6	1.3	3.27	221
250051004	2013	1	13	23	V	3.7	1.4	2.66	207
250051004	2013	1	13	24	V	4.8	1.3	2.59	187
250051004	2013	1	14	1	V	4.1	1.3	3.25	191
250051004	2013	1	14	2	V	5.3	1.4	2.88	203
250051004	2013	1	14	3	V	4.8	-999	4.08	222
250051004	2013	1	14	4	V	7.3	-999	4.65	227
250051004	2013	1	14	5	V	8.0	2.9	3.54	221
250051004	2013	1	14	6	V	6.2	4.4	3.23	210
250051004	2013	1	14	7	V	9.3	10.4	3.71	186
250051004	2013	1	14	8	V	8.3	5	5.07	181
250051004	2013	1	14	9	V	7.2	3.9	5.34	234
250051004	2013	1	14	10	V	8.1	3.4	3.8	229
250051004	2013	1	14	11	V	8.6	2.4	3.69	289
250051004	2013	1	14	12	V	8.4	2.6	4.92	297
250051004	2013	1	14	13	V	8.9	2.8	3.08	285
250051004	2013	1	14	14	V	9.3	2.3	4.58	282
250051004	2013	1	14	15	V	8.1	2	5.61	309
250051004	2013	1	14	16	V	6.8	1.6	5.56	307
250051004	2013	1	14	17	V	8.9	1.5	4.32	311
250051004	2013	1	14	18	V	5.8	1.7	4.26	311
250051004	2013	1	14	19	V	4.4	1.6	3.69	304
250051004	2013	1	14	20	V	4.3	3.2	3.86	302
250051004	2013	1	14	21	V	4.1	2.7	4.9	312
250051004	2013	1	14	22	V	3.6	7.5	4.8	320
250051004	2013	1	14	23	V	3.7	3.6	5.31	313
250051004	2013	1	14	24	V	4.8	2.2	3.93	317
250051004	2013	1	15	1	V	4.1	1.6	3.2	327
250051004	2013	1	15	2	V	5.3	1.5	1.65	350
250051004	2013	1	15	3	V	4.8	1.2	2.18	353
250051004	2013	1	15	4	V	7.3	1.2	1.91	311
250051004	2013	1	15	5	V	8.0	1.4	2.35	342
250051004	2013	1	15	6	V	6.2	1.4	1.98	339
250051004	2013	1	15	7	V	9.3	1.9	2.16	332
250051004	2013	1	15	8	V	8.3	2.1	2.86	338
250051004	2013	1	15	9	V	7.2	1.8	3.59	347
250051004	2013	1	15	10	V	8.2	1.7	3.49	352
250051004	2013	1	15	11	V	8.6	1.6	4.26	357
250051004	2013	1	15	12	V	8.5	2	3.42	2
250051004	2013	1	15	13	V	11.8	2	2.16	346
250051004	2013	1	15	14	V	15.9	1.6	2.11	339

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	15	15	V	8.2	1.7	2.37	348
250051004	2013	1	15	16	V	6.8	1.7	2.1	358
250051004	2013	1	15	17	V	8.9	2	1.98	327
250051004	2013	1	15	18	V	5.8	1.8	1.94	317
250051004	2013	1	15	19	V	4.4	1.7	1.94	336
250051004	2013	1	15	20	V	4.3	1.8	2.93	343
250051004	2013	1	15	21	V	4.1	2	3.24	347
250051004	2013	1	15	22	V	3.6	1.8	2.57	344
250051004	2013	1	15	23	V	3.7	1.9	2.35	2
250051004	2013	1	15	24	V	4.8	2.5	3.3	31
250051004	2013	1	16	1	V	4.1	2.8	2.88	20
250051004	2013	1	16	2	V	5.3	2.8	2.27	41
250051004	2013	1	16	3	V	4.8	2	1.59	52
250051004	2013	1	16	4	V	7.3	1.6	2.86	22
250051004	2013	1	16	5	V	8.0	1.6	2.95	356
250051004	2013	1	16	6	V	6.2	1.8	2.84	10
250051004	2013	1	16	7	V	9.3	1.7	2.45	13
250051004	2013	1	16	8	V	8.3	1.9	2.27	22
250051004	2013	1	16	9	V	7.2	1.8	3.61	10
250051004	2013	1	16	10	V	8.1	1.9	3.37	33
250051004	2013	1	16	11	V	8.6	1.9	3.27	23
250051004	2013	1	16	12	V	8.5	1.9	3.25	357
250051004	2013	1	16	13	V	8.8	1.7	3.79	359
250051004	2013	1	16	14	V	9.3	1.7	2.95	3
250051004	2013	1	16	15	V	8.0	2	3.69	22
250051004	2013	1	16	16	V	6.8	2	3.9	338
250051004	2013	1	16	17	V	8.9	2	2.71	323
250051004	2013	1	16	18	V	5.8	2.5	1.71	289
250051004	2013	1	16	19	V	4.4	-999	1.48	287
250051004	2013	1	16	20	V	4.3	2.1	1.53	241
250051004	2013	1	16	21	V	4.1	2.3	1.57	207
250051004	2013	1	16	22	V	3.6	2.1	2.38	205
250051004	2013	1	16	23	V	3.7	2	3.07	264
250051004	2013	1	16	24	V	4.8	1.9	3.15	254
250051004	2013	1	17	1	V	4.1	2.1	2.95	248
250051004	2013	1	17	2	V	5.3	1.8	2.86	254
250051004	2013	1	17	3	V	4.8	1.9	2.44	251
250051004	2013	1	17	4	V	7.3	1.9	2.84	237
250051004	2013	1	17	5	V	8.0	2	2.4	212
250051004	2013	1	17	6	V	6.2	2	2.56	225
250051004	2013	1	17	7	V	9.3	1.9	2.3	216
250051004	2013	1	17	8	V	8.3	2.1	2.28	215
250051004	2013	1	17	9	V	7.2	2.3	2.59	244
250051004	2013	1	17	10	V	8.1	2.5	3.42	269
250051004	2013	1	17	11	V	8.6	2.6	4.51	287
250051004	2013	1	17	12	V	8.5	2.5	5.38	286

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	17	13	V	8.8	2.2	5.05	300
250051004	2013	1	17	14	V	9.9	2.3	5.99	311
250051004	2013	1	17	15	V	8.1	1.9	6.64	307
250051004	2013	1	17	16	V	6.8	1.9	5.84	303
250051004	2013	1	17	17	V	8.9	2.1	3.85	290
250051004	2013	1	17	18	V	5.8	2.4	3.22	289
250051004	2013	1	17	19	V	4.4	2	2.88	293
250051004	2013	1	17	20	V	4.3	2	3.52	304
250051004	2013	1	17	21	V	4.1	2	3.3	309
250051004	2013	1	17	22	V	3.7	3.5	3.58	326
250051004	2013	1	17	23	V	3.7	2.7	4.05	334
250051004	2013	1	17	24	V	4.8	1.7	4.14	357
250051004	2013	1	18	1	V	4.1	1.8	5.36	358
250051004	2013	1	18	2	V	5.3	1.7	5.99	360
250051004	2013	1	18	3	V	4.8	1.5	6.04	6
250051004	2013	1	18	4	V	7.3	1.5	5.7	9
250051004	2013	1	18	5	V	8.0	1.5	6.07	356
250051004	2013	1	18	6	V	6.2	1.5	6.52	349
250051004	2013	1	18	7	V	9.3	1.9	6.52	355
250051004	2013	1	18	8	V	8.3	1.7	5.67	359
250051004	2013	1	18	9	V	7.9	2.4	6.52	339
250051004	2013	1	18	10	V	8.5	2.6	6.33	344
250051004	2013	1	18	11	V	13.4	11.7	5.84	339
250051004	2013	1	18	12	V	23.1	26.9	7.33	323
250051004	2013	1	18	13	V	26.4	19.1	7.03	329
250051004	2013	1	18	14	V	14.2	14.6	6.92	315
250051004	2013	1	18	15	V	17.1	2.9	6.46	318
250051004	2013	1	18	16	V	6.8	0	5.39	295
250051004	2013	1	18	17	V	8.9	1.3	5.16	296
250051004	2013	1	18	18	V	5.8	1.4	3.17	293
250051004	2013	1	18	19	V	4.4	1.2	2.33	250
250051004	2013	1	18	20	V	4.3	1.5	2.42	207
250051004	2013	1	18	21	V	4.1	1.3	3.35	214
250051004	2013	1	18	22	V	3.6	1.8	2.91	199
250051004	2013	1	18	23	V	3.7	1.6	1.79	217
250051004	2013	1	18	24	V	4.8	1.6	2.47	204
250051004	2013	1	19	1	V	4.1	1.7	3.42	187
250051004	2013	1	19	2	V	5.3	1.8	3.2	208
250051004	2013	1	19	3	V	4.8	1.9	4.51	199
250051004	2013	1	19	4	V	7.3	1.7	4.92	195
250051004	2013	1	19	5	V	8.0	1.7	4.24	193
250051004	2013	1	19	6	V	6.2	1.6	5.36	204
250051004	2013	1	19	7	V	9.3	1.6	6.7	211
250051004	2013	1	19	8	V	8.3	1.7	7.25	212
250051004	2013	1	19	9	V	7.2	1.6	8.95	213
250051004	2013	1	19	10	V	8.2	1.6	10.07	218

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	19	11	V	8.6	1.6	10.82	217
250051004	2013	1	19	12	V	8.5	1.5	10.63	221
250051004	2013	1	19	13	V	8.8	1.5	11.12	215
250051004	2013	1	19	14	V	9.3	1.6	10.58	217
250051004	2013	1	19	15	V	8.0	1.6	9.1	221
250051004	2013	1	19	16	V	6.8	1.6	7.04	219
250051004	2013	1	19	17	V	8.9	1.8	6.5	215
250051004	2013	1	19	18	V	5.8	1.8	4.37	213
250051004	2013	1	19	19	V	4.4	-999	3.97	213
250051004	2013	1	19	20	V	4.3	1.6	3.85	205
250051004	2013	1	19	21	V	4.1	1.8	4.39	205
250051004	2013	1	19	22	V	3.6	1.8	5.14	206
250051004	2013	1	19	23	V	3.7	1.7	4.73	207
250051004	2013	1	19	24	V	4.8	2	4.56	205
250051004	2013	1	20	1	V	4.1	1.9	5.19	210
250051004	2013	1	20	2	V	5.3	2	6.74	212
250051004	2013	1	20	3	V	4.8	1.8	6.16	214
250051004	2013	1	20	4	V	7.3	2	5.8	212
250051004	2013	1	20	5	V	8.0	2.1	5.62	215
250051004	2013	1	20	6	V	6.2	2.3	5.8	210
250051004	2013	1	20	7	V	9.3	2.3	6.31	205
250051004	2013	1	20	8	V	8.3	2.4	6.18	210
250051004	2013	1	20	9	V	7.2	2.5	6.19	214
250051004	2013	1	20	10	V	8.1	2.4	6.7	227
250051004	2013	1	20	11	V	8.6	2.7	9.58	237
250051004	2013	1	20	12	V	8.4	2.8	11.02	239
250051004	2013	1	20	13	V	8.8	2.9	12.09	241
250051004	2013	1	20	14	V	9.3	3	11.09	251
250051004	2013	1	20	15	V	8.0	3.2	8.23	257
250051004	2013	1	20	16	V	6.8	3.1	6.6	271
250051004	2013	1	20	17	V	8.9	2.9	4.19	289
250051004	2013	1	20	18	V	5.8	2.7	5.6	292
250051004	2013	1	20	19	V	4.4	3.8	7.47	314
250051004	2013	1	20	20	V	4.3	1.9	6.23	305
250051004	2013	1	20	21	V	4.1	2.1	6.04	302
250051004	2013	1	20	22	V	3.6	2	6.19	307
250051004	2013	1	20	23	V	3.7	1.8	5.85	306
250051004	2013	1	20	24	V	4.8	1.9	6.11	302
250051004	2013	1	21	1	V	4.1	1.9	5.9	296
250051004	2013	1	21	2	V	5.3	1.6	4.15	289
250051004	2013	1	21	3	V	4.8	1.8	5.14	307
250051004	2013	1	21	4	V	7.3	1.7	5.21	304
250051004	2013	1	21	5	V	8.0	2.1	3.83	300
250051004	2013	1	21	6	V	6.2	4.6	3.05	293
250051004	2013	1	21	7	V	9.3	6.4	2.15	289
250051004	2013	1	21	8	V	8.3	3.8	2.13	234

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	21	9	V	7.2	2.6	2.66	273
250051004	2013	1	21	10	V	9.2	3.4	2.78	307
250051004	2013	1	21	11	V	8.7	2.8	2.66	290
250051004	2013	1	21	12	V	9.0	2.1	2.76	292
250051004	2013	1	21	13	V	8.9	1.9	2.74	243
250051004	2013	1	21	14	V	9.3	1.8	2.54	236
250051004	2013	1	21	15	V	8.1	1.9	2.3	209
250051004	2013	1	21	16	V	6.8	1.8	3.54	182
250051004	2013	1	21	17	V	8.9	1.7	4.15	182
250051004	2013	1	21	18	V	5.8	1.8	1.42	204
250051004	2013	1	21	19	V	4.4	1.7	0.69	32
250051004	2013	1	21	20	V	4.3	2	1.91	41
250051004	2013	1	21	21	V	4.1	2.1	2.81	39
250051004	2013	1	21	22	V	3.6	2.2	2.5	30
250051004	2013	1	21	23	V	3.7	2.4	3.1	19
250051004	2013	1	21	24	V	4.8	2.3	3.44	12
250051004	2013	1	22	1	V	4.1	3.3	1.64	127
250051004	2013	1	22	2	V	5.3	3.1	2.33	286
250051004	2013	1	22	3	V	4.8	2.9	2.1	296
250051004	2013	1	22	4	V	7.3	3.1	3.05	317
250051004	2013	1	22	5	V	8.0	3.7	2.76	301
250051004	2013	1	22	6	V	6.2	3	3.73	293
250051004	2013	1	22	7	V	9.3	3.9	5.89	296
250051004	2013	1	22	8	V	8.3	3.2	7.11	295
250051004	2013	1	22	9	V	7.2	3.2	7.04	295
250051004	2013	1	22	10	V	8.2	3.3	7.76	293
250051004	2013	1	22	11	V	8.6	3.1	8.33	292
250051004	2013	1	22	12	V	8.5	2.8	7.43	296
250051004	2013	1	22	13	V	8.8	2.6	7.48	291
250051004	2013	1	22	14	V	9.3	2.1	7.38	287
250051004	2013	1	22	15	V	8.0	2.6	6.53	280
250051004	2013	1	22	16	V	6.8	2	6.4	299
250051004	2013	1	22	17	V	8.9	2.5	6.53	304
250051004	2013	1	22	18	V	5.8	2.6	5.43	306
250051004	2013	1	22	19	V	4.4	-999	4.92	309
250051004	2013	1	22	20	V	4.3	2.4	4.7	312
250051004	2013	1	22	21	V	4.1	2.4	4.14	302
250051004	2013	1	22	22	V	3.6	2.5	4.63	297
250051004	2013	1	22	23	V	3.7	2.4	4.19	298
250051004	2013	1	22	24	V	4.8	2.3	3.81	297
250051004	2013	1	23	1	V	4.1	2.3	3.54	283
250051004	2013	1	23	2	V	5.3	2.1	3.81	278
250051004	2013	1	23	3	V	4.8	2.5	4.48	280
250051004	2013	1	23	4	V	7.3	2.3	4.61	284
250051004	2013	1	23	5	V	8.0	2.8	4.12	281
250051004	2013	1	23	6	V	6.2	2.8	4.32	279

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	23	7	V	9.3	2.5	4.8	286
250051004	2013	1	23	8	V	8.3	2.7	5.67	296
250051004	2013	1	23	9	V	7.2	2.5	5.6	277
250051004	2013	1	23	10	V	8.2	2.8	6.4	292
250051004	2013	1	23	11	V	8.6	2.9	6.57	297
250051004	2013	1	23	12	V	8.5	2.9	7.69	304
250051004	2013	1	23	13	V	8.8	2.7	7.5	295
250051004	2013	1	23	14	V	9.3	2.9	7.91	292
250051004	2013	1	23	15	V	8.0	-999	7.88	284
250051004	2013	1	23	16	V	6.9	-999	6.28	300
250051004	2013	1	23	17	V	8.9	1.3	5.96	299
250051004	2013	1	23	18	V	5.8	1.3	6.35	295
250051004	2013	1	23	19	V	4.4	1.5	4.85	296
250051004	2013	1	23	20	V	4.3	1.4	5.19	299
250051004	2013	1	23	21	V	4.1	1.3	5.77	314
250051004	2013	1	23	22	V	3.6	1.5	4.17	305
250051004	2013	1	23	23	V	3.7	1.8	4.31	292
250051004	2013	1	23	24	V	4.8	1.6	4.88	290
250051004	2013	1	24	1	V	4.1	1.9	5.09	295
250051004	2013	1	24	2	V	5.3	1.8	4.1	307
250051004	2013	1	24	3	V	4.8	1.9	3.41	310
250051004	2013	1	24	4	V	7.3	2.1	3.56	311
250051004	2013	1	24	5	V	8.0	4.3	3.68	303
250051004	2013	1	24	6	V	6.2	3.3	2.52	298
250051004	2013	1	24	7	V	9.3	4.2	2.67	286
250051004	2013	1	24	8	V	8.3	4.9	3.24	294
250051004	2013	1	24	9	V	8.0	33.7	4.85	311
250051004	2013	1	24	10	V	31.5	100	6.3	330
250051004	2013	1	24	11	V	30.6	71.2	6.41	324
250051004	2013	1	24	12	V	20.3	6.8	6.36	318
250051004	2013	1	24	13	V	27.5	16	6.86	322
250051004	2013	1	24	14	V	11.4	7	6.98	311
250051004	2013	1	24	15	V	8.3	3.7	7.3	307
250051004	2013	1	24	16	V	6.9	1.8	8.05	307
250051004	2013	1	24	17	V	8.9	1.6	7.4	309
250051004	2013	1	24	18	V	5.8	1.8	5.46	295
250051004	2013	1	24	19	V	4.4	1.7	5.96	286
250051004	2013	1	24	20	V	4.3	1.5	5.89	289
250051004	2013	1	24	21	V	4.1	1.2	5.8	285
250051004	2013	1	24	22	V	3.6	1.5	7.13	291
250051004	2013	1	24	23	V	3.7	1.9	6.69	297
250051004	2013	1	24	24	V	4.8	1.4	6.94	289
250051004	2013	1	25	1	V	4.1	1.5	5.9	301
250051004	2013	1	25	2	V	5.3	1.5	5.21	302
250051004	2013	1	25	3	V	4.8	1.4	4.53	300
250051004	2013	1	25	4	V	7.3	1.3	3.66	296

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	25	5	V	8.0	1.6	2.79	276
250051004	2013	1	25	6	V	6.2	1.4	2.95	295
250051004	2013	1	25	7	V	9.3	2.1	3.05	290
250051004	2013	1	25	8	V	8.3	2.7	3.69	296
250051004	2013	1	25	9	V	7.2	2.4	4.61	288
250051004	2013	1	25	10	V	8.2	2.2	4.87	296
250051004	2013	1	25	11	V	8.7	2.6	4.39	303
250051004	2013	1	25	12	V	9.2	2.8	4.54	308
250051004	2013	1	25	13	V	8.8	2.3	4.6	289
250051004	2013	1	25	14	V	9.4	2.2	3.29	282
250051004	2013	1	25	15	V	8.1	1.9	3.27	274
250051004	2013	1	25	16	V	6.8	2.5	4.31	245
250051004	2013	1	25	17	V	8.9	2.1	3.93	256
250051004	2013	1	25	18	V	5.8	2.5	3.13	265
250051004	2013	1	25	19	V	4.4	-999	3.18	265
250051004	2013	1	25	20	V	4.3	1.8	2.22	265
250051004	2013	1	25	21	V	4.1	2.2	2.03	274
250051004	2013	1	25	22	V	3.6	2.1	2.59	265
250051004	2013	1	25	23	V	3.7	1.3	1.82	307
250051004	2013	1	25	24	V	4.8	1.3	2.55	346
250051004	2013	1	26	1	V	4.1	1.5	3.32	345
250051004	2013	1	26	2	V	5.3	1.8	2.98	345
250051004	2013	1	26	3	V	4.8	1.8	2.66	337
250051004	2013	1	26	4	V	7.3	1.8	2.05	332
250051004	2013	1	26	5	V	8.0	1.9	2.13	330
250051004	2013	1	26	6	V	6.2	2.3	2.4	331
250051004	2013	1	26	7	V	9.3	2.4	2.91	337
250051004	2013	1	26	8	V	8.3	2.4	3.39	329
250051004	2013	1	26	9	V	9.5	3.3	4.95	336
250051004	2013	1	26	10	V	11.3	3.2	5.79	338
250051004	2013	1	26	11	V	17.8	6.4	5.14	333
250051004	2013	1	26	12	V	14.3	5.2	5.33	337
250051004	2013	1	26	13	V	14.0	7.8	5.04	317
250051004	2013	1	26	14	V	12.4	6.1	5.22	314
250051004	2013	1	26	15	V	10.0	11.5	5.39	313
250051004	2013	1	26	16	V	7.4	5.3	6.11	312
250051004	2013	1	26	17	V	9.1	3.4	5.77	322
250051004	2013	1	26	18	V	5.9	2.3	4.9	329
250051004	2013	1	26	19	V	5.9	12.6	7.21	322
250051004	2013	1	26	20	V	4.8	26.4	6.74	331
250051004	2013	1	26	21	V	4.1	32.9	5.05	321
250051004	2013	1	26	22	V	3.6	43.4	4.61	317
250051004	2013	1	26	23	V	3.7	13.3	3.95	310
250051004	2013	1	26	24	V	4.8	1.9	2.96	297
250051004	2013	1	27	1	V	4.1	1.9	3.9	295
250051004	2013	1	27	2	V	5.3	1.6	3.64	297

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	27	3	V	4.8	1.7	3.78	297
250051004	2013	1	27	4	V	7.3	2.2	3.73	292
250051004	2013	1	27	5	V	8.0	2.1	2.88	293
250051004	2013	1	27	6	V	6.2	1.9	2.54	274
250051004	2013	1	27	7	V	9.3	2.2	3.07	281
250051004	2013	1	27	8	V	8.3	2.6	3.78	302
250051004	2013	1	27	9	V	7.2	2.5	4.94	306
250051004	2013	1	27	10	V	18.1	23.2	6.46	332
250051004	2013	1	27	11	V	18.1	19.3	5.36	333
250051004	2013	1	27	12	V	15.6	20.9	5.87	320
250051004	2013	1	27	13	V	11.0	8.9	5.55	313
250051004	2013	1	27	14	V	11.7	13.6	5.79	314
250051004	2013	1	27	15	V	19.1	5.8	5.12	325
250051004	2013	1	27	16	V	6.9	3.9	4.73	303
250051004	2013	1	27	17	V	8.9	2.7	4.24	306
250051004	2013	1	27	18	V	5.8	1.3	3.78	303
250051004	2013	1	27	19	V	4.4	2	3	309
250051004	2013	1	27	20	V	4.3	1.5	3.22	305
250051004	2013	1	27	21	V	4.1	1.7	3.49	300
250051004	2013	1	27	22	V	3.6	1.9	3.05	295
250051004	2013	1	27	23	V	3.7	2.4	1.94	291
250051004	2013	1	27	24	V	4.8	1.9	1.91	277
250051004	2013	1	28	1	V	4.1	2.7	1.71	269
250051004	2013	1	28	2	V	5.3	3.6	2.06	270
250051004	2013	1	28	3	V	4.8	-999	1.86	286
250051004	2013	1	28	4	V	7.3	-999	1.94	268
250051004	2013	1	28	5	V	8.0	3.7	1.54	250
250051004	2013	1	28	6	V	6.2	3.7	1.13	261
250051004	2013	1	28	7	V	9.3	3.5	1.18	219
250051004	2013	1	28	8	V	8.3	3.5	1.37	192
250051004	2013	1	28	9	V	7.2	3.7	1.47	216
250051004	2013	1	28	10	V	8.1	4.1	0.99	168
250051004	2013	1	28	11	V	8.8	3	1.6	168
250051004	2013	1	28	12	V	8.5	4.3	2.67	161
250051004	2013	1	28	13	V	8.8	3.1	3.51	184
250051004	2013	1	28	14	V	9.3	2.7	3.42	214
250051004	2013	1	28	15	V	8.1	2.2	1.89	179
250051004	2013	1	28	16	V	6.8	2	2.52	126
250051004	2013	1	28	17	V	8.9	1.6	1.82	83
250051004	2013	1	28	18	V	5.8	1.7	1.94	82
250051004	2013	1	28	19	V	4.4	-999	1.5	70
250051004	2013	1	28	20	V	4.3	1.2	1.93	45
250051004	2013	1	28	21	V	4.1	1.4	2.44	9
250051004	2013	1	28	22	V	3.6	1.2	2.44	10
250051004	2013	1	28	23	V	3.7	1.2	2.3	360
250051004	2013	1	28	24	V	4.8	1.4	2.03	357

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	29	1	V	4.1	1.1	1.86	348
250051004	2013	1	29	2	V	5.3	1.3	2.04	341
250051004	2013	1	29	3	V	4.8	1.1	2.66	1
250051004	2013	1	29	4	V	7.3	1.2	3.81	360
250051004	2013	1	29	5	V	8.0	0.9	3.25	360
250051004	2013	1	29	6	V	6.2	1	3.57	358
250051004	2013	1	29	7	V	9.3	1.8	2.83	345
250051004	2013	1	29	8	V	8.3	1.9	3.66	354
250051004	2013	1	29	9	V	7.2	2.2	3.44	1
250051004	2013	1	29	10	V	8.1	2.2	3.13	358
250051004	2013	1	29	11	V	8.7	2.6	2.42	354
250051004	2013	1	29	12	V	8.5	2.3	2.49	13
250051004	2013	1	29	13	V	8.9	2.5	2.38	31
250051004	2013	1	29	14	V	9.4	2.2	1.93	36
250051004	2013	1	29	15	V	8.0	2.1	2.45	52
250051004	2013	1	29	16	V	6.8	2.2	2.54	56
250051004	2013	1	29	17	V	8.9	1.6	1.47	99
250051004	2013	1	29	18	V	5.8	1.5	1.3	169
250051004	2013	1	29	19	V	4.4	1.4	0.99	183
250051004	2013	1	29	20	V	4.3	1.5	0.94	98
250051004	2013	1	29	21	V	4.1	1.2	0.96	35
250051004	2013	1	29	22	V	3.6	1.2	1.33	38
250051004	2013	1	29	23	V	3.7	1.1	0.72	70
250051004	2013	1	29	24	V	4.8	1.2	0.97	238
250051004	2013	1	30	1	V	4.1	1.1	0.91	36
250051004	2013	1	30	2	V	5.3	1.1	0.65	173
250051004	2013	1	30	3	V	4.8	1	0.6	261
250051004	2013	1	30	4	V	7.3	1.2	0.53	179
250051004	2013	1	30	5	V	8.0	1.2	1.86	191
250051004	2013	1	30	6	V	6.2	1.3	1.13	135
250051004	2013	1	30	7	V	9.3	1.3	1.6	167
250051004	2013	1	30	8	V	8.3	1.5	2.45	147
250051004	2013	1	30	9	V	7.2	2	2.79	170
250051004	2013	1	30	10	V	8.1	2	5.67	171
250051004	2013	1	30	11	V	8.6	2.6	7.2	187
250051004	2013	1	30	12	V	8.4	3.4	7.33	187
250051004	2013	1	30	13	V	8.8	3.5	9.44	201
250051004	2013	1	30	14	V	9.3	2.1	9.83	206
250051004	2013	1	30	15	V	8.0	1.7	9.2	214
250051004	2013	1	30	16	V	6.8	1.7	8.49	207
250051004	2013	1	30	17	V	8.9	1.6	8.86	207
250051004	2013	1	30	18	V	5.8	1.6	9.71	209
250051004	2013	1	30	19	V	4.4	1.7	10.53	203
250051004	2013	1	30	20	V	4.3	1.7	11.16	204
250051004	2013	1	30	21	V	4.1	1.7	11.58	208
250051004	2013	1	30	22	V	3.6	1.6	9.53	215

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	1	30	23	V	3.7	1.8	9.3	207
250051004	2013	1	30	24	V	4.8	1.8	11.99	201
250051004	2013	1	31	1	V	4.1	1.8	13.62	199
250051004	2013	1	31	2	V	5.3	2	14.27	194
250051004	2013	1	31	3	V	4.8	2.2	13.64	190
250051004	2013	1	31	4	V	7.3	2.5	13.15	187
250051004	2013	1	31	5	V	8.0	2.4	11.74	180
250051004	2013	1	31	6	V	6.2	2.3	15.19	184
250051004	2013	1	31	7	V	9.3	2.3	13.49	207
250051004	2013	1	31	8	V	8.3	3.8	8.32	201
250051004	2013	1	31	9	V	7.2	5.3	10.89	207
250051004	2013	1	31	10	V	8.1	4.3	11.05	233
250051004	2013	1	31	11	V	8.6	3.2	10	270
250051004	2013	1	31	12	V	8.4	2.8	11.09	270
250051004	2013	1	31	13	V	8.8	2.4	10.31	261
250051004	2013	1	31	14	V	9.3	2.6	10.19	261
250051004	2013	1	31	15	V	8.0	2.3	9.97	266
250051004	2013	1	31	16	V	6.8	2	9.46	262
250051004	2013	1	31	17	V	8.9	2.1	9.9	260
250051004	2013	1	31	18	V	5.8	2.4	7.32	262
250051004	2013	1	31	19	V	4.4	-999	8.5	265
250051004	2013	1	31	20	V	4.3	1.8	7.69	270
250051004	2013	1	31	21	V	4.1	2	10.05	261
250051004	2013	1	31	22	V	3.6	2	9.29	262
250051004	2013	1	31	23	V	3.7	2.1	8.25	257
250051004	2013	1	31	24	V	4.8	1.9	8.18	258
250051004	2013	2	1	1	V	4.1	2.2	6.84	256
250051004	2013	2	1	2	V	5.3	2	7.47	254
250051004	2013	2	1	3	V	4.8	2.1	5.96	247
250051004	2013	2	1	4	V	7.3	1.9	6.46	259
250051004	2013	2	1	5	V	8.0	2.1	7.46	247
250051004	2013	2	1	6	V	6.2	2.1	4.86	236
250051004	2013	2	1	7	V	9.3	1.9	4.86	239
250051004	2013	2	1	8	V	8.3	2.2	6.96	236
250051004	2013	2	1	9	V	7.2	2.4	7.7	264
250051004	2013	2	1	10	V	8.1	2.1	7.88	270
250051004	2013	2	1	11	V	8.6	2.2	6.46	293
250051004	2013	2	1	12	V	8.5	2.1	6.3	294
250051004	2013	2	1	13	V	8.8	2.2	6.14	296
250051004	2013	2	1	14	V	9.3	2.6	5.48	301
250051004	2013	2	1	15	V	8.2	2.2	6.5	310
250051004	2013	2	1	16	V	6.8	2	6.48	300
250051004	2013	2	1	17	V	8.9	1.9	6.92	301
250051004	2013	2	1	18	V	5.8	1.6	6.09	286
250051004	2013	2	1	19	V	4.4	1.5	6.23	292
250051004	2013	2	1	20	V	4.3	1.5	6.36	286

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	1	21	V	4.1	1.3	6.02	285
250051004	2013	2	1	22	V	3.6	1.1	6.74	295
250051004	2013	2	1	23	V	3.7	1.4	5.24	292
250051004	2013	2	1	24	V	4.8	1.5	4.78	277
250051004	2013	2	2	1	V	4.1	1.4	4.73	269
250051004	2013	2	2	2	V	5.3	1.5	4.97	270
250051004	2013	2	2	3	V	4.8	1.4	5.48	279
250051004	2013	2	2	4	V	7.3	1.2	5.85	288
250051004	2013	2	2	5	V	8.0	1.4	5.31	281
250051004	2013	2	2	6	V	6.2	1.4	4.15	287
250051004	2013	2	2	7	V	9.3	1.5	3.34	271
250051004	2013	2	2	8	V	8.3	1.5	2.88	264
250051004	2013	2	2	9	V	7.2	1.7	3.69	264
250051004	2013	2	2	10	V	8.2	1.7	3.71	272
250051004	2013	2	2	11	V	8.6	1.2	3.86	245
250051004	2013	2	2	12	V	8.5	1.2	3.8	225
250051004	2013	2	2	13	V	8.8	1.2	4.24	209
250051004	2013	2	2	14	V	9.3	1.1	6.12	218
250051004	2013	2	2	15	V	8.0	1.6	6.38	215
250051004	2013	2	2	16	V	6.8	0.9	5.62	214
250051004	2013	2	2	17	V	8.9	1.7	5.62	214
250051004	2013	2	2	18	V	5.8	1.5	5.56	210
250051004	2013	2	2	19	V	4.4	1.4	4.34	217
250051004	2013	2	2	20	V	4.3	1.5	3.98	220
250051004	2013	2	2	21	V	4.1	1.7	3.51	228
250051004	2013	2	2	22	V	3.6	1.7	3	234
250051004	2013	2	2	23	V	3.7	2	4.58	250
250051004	2013	2	2	24	V	4.8	2	4.8	262
250051004	2013	2	3	1	V	4.1	2.2	3.95	285
250051004	2013	2	3	2	V	5.3	2.8	3.81	310
250051004	2013	2	3	3	V	4.8	2.6	2.66	287
250051004	2013	2	3	4	V	7.3	2.6	2.81	312
250051004	2013	2	3	5	V	8.0	2.5	2.83	349
250051004	2013	2	3	6	V	6.2	2.3	3.22	360
250051004	2013	2	3	7	V	9.3	2.3	3.52	19
250051004	2013	2	3	8	V	8.3	2.3	2.28	14
250051004	2013	2	3	9	V	7.2	2.6	2.16	14
250051004	2013	2	3	10	V	8.1	2.9	2.96	29
250051004	2013	2	3	11	V	8.7	3.2	2.5	15
250051004	2013	2	3	12	V	9.9	3	2.49	350
250051004	2013	2	3	13	V	11.3	4.1	2.11	353
250051004	2013	2	3	14	V	9.3	2.9	3.03	7
250051004	2013	2	3	15	V	8.0	3.2	4.24	29
250051004	2013	2	3	16	V	6.8	3.3	4.71	16
250051004	2013	2	3	17	V	8.9	3	5.65	12
250051004	2013	2	3	18	V	5.8	3.7	4.63	359

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	3	19	V	4.4	-999	4.03	354
250051004	2013	2	3	20	V	4.3	2.5	3.93	355
250051004	2013	2	3	21	V	4.1	2.4	3.29	340
250051004	2013	2	3	22	V	3.6	4	3.68	335
250051004	2013	2	3	23	V	3.7	12.2	3.54	328
250051004	2013	2	3	24	V	4.8	6.5	2.95	306
250051004	2013	2	4	1	V	4.1	6.3	2.45	276
250051004	2013	2	4	2	V	5.3	3.2	3.71	272
250051004	2013	2	4	3	V	4.8	3.3	3.27	272
250051004	2013	2	4	4	V	7.3	3.8	3.1	270
250051004	2013	2	4	5	V	8.0	4.5	3.66	292
250051004	2013	2	4	6	V	6.2	4.8	4.48	288
250051004	2013	2	4	7	V	9.3	4.7	4.59	282
250051004	2013	2	4	8	V	8.3	4.4	5.87	287
250051004	2013	2	4	9	V	7.2	3.4	6.31	285
250051004	2013	2	4	10	V	8.2	3.4	6.91	295
250051004	2013	2	4	11	V	8.6	2.8	7.67	283
250051004	2013	2	4	12	V	8.5	2.7	6.4	289
250051004	2013	2	4	13	V	8.8	2.5	8.22	284
250051004	2013	2	4	14	V	9.3	2.5	7.52	284
250051004	2013	2	4	15	V	8.0	1.9	6.94	281
250051004	2013	2	4	16	V	6.9	1.8	6.7	276
250051004	2013	2	4	17	V	8.9	1.9	6.07	277
250051004	2013	2	4	18	V	5.8	2.2	4.12	272
250051004	2013	2	4	19	V	4.4	2.2	1.99	258
250051004	2013	2	4	20	V	4.3	2.1	2.06	265
250051004	2013	2	4	21	V	4.1	2.2	1.96	254
250051004	2013	2	4	22	V	3.6	2.5	2.32	256
250051004	2013	2	4	23	V	3.7	2.8	1.5	272
250051004	2013	2	4	24	V	4.8	2.2	1.21	290
250051004	2013	2	5	1	V	4.1	2.2	1.21	294
250051004	2013	2	5	2	V	5.3	2.6	1.74	333
250051004	2013	2	5	3	V	4.8	2.7	1.88	348
250051004	2013	2	5	4	V	7.3	2.8	1.62	24
250051004	2013	2	5	5	V	8.0	2.7	1.03	27
250051004	2013	2	5	6	V	6.2	2.4	1.35	40
250051004	2013	2	5	7	V	9.3	2.7	1.94	61
250051004	2013	2	5	8	V	8.3	4.1	2.49	52
250051004	2013	2	5	9	V	7.2	3.9	2.57	39
250051004	2013	2	5	10	V	8.2	2.7	2.62	57
250051004	2013	2	5	11	V	8.6	2.3	2.67	57
250051004	2013	2	5	12	V	8.6	2	1.96	61
250051004	2013	2	5	13	V	8.9	2.1	2.01	46
250051004	2013	2	5	14	V	9.4	2.3	2.16	69
250051004	2013	2	5	15	V	8.0	2.1	2.13	74
250051004	2013	2	5	16	V	6.8	2.7	2.4	76

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	5	17	V	8.9	2.5	2.16	56
250051004	2013	2	5	18	V	5.8	2.5	2.28	53
250051004	2013	2	5	19	V	4.4	2.4	2.18	50
250051004	2013	2	5	20	V	4.3	1.9	2.32	44
250051004	2013	2	5	21	V	4.1	2.2	2.33	16
250051004	2013	2	5	22	V	3.6	2	2.95	8
250051004	2013	2	5	23	V	3.7	1.8	2.83	8
250051004	2013	2	5	24	V	4.8	2.5	2.44	357
250051004	2013	2	6	1	V	4.1	2.2	2.4	346
250051004	2013	2	6	2	V	5.3	2.4	1.84	343
250051004	2013	2	6	3	V	4.8	2.2	2.64	344
250051004	2013	2	6	4	V	7.3	2.3	2.3	350
250051004	2013	2	6	5	V	8.0	2.1	1.59	329
250051004	2013	2	6	6	V	6.2	2.4	1.59	356
250051004	2013	2	6	7	V	9.3	2.4	1.53	311
250051004	2013	2	6	8	V	8.3	2.8	1.72	255
250051004	2013	2	6	9	V	7.2	2.9	1.76	270
250051004	2013	2	6	10	V	8.2	4.9	2.98	277
250051004	2013	2	6	11	V	8.6	5.2	4.46	286
250051004	2013	2	6	12	V	8.5	3.7	5.62	291
250051004	2013	2	6	13	V	8.8	2.8	5.84	282
250051004	2013	2	6	14	V	9.3	2.9	6.45	293
250051004	2013	2	6	15	V	8.0	3	5.82	291
250051004	2013	2	6	16	V	6.8	2.4	5.31	301
250051004	2013	2	6	17	V	8.9	2.4	5.21	301
250051004	2013	2	6	18	V	5.8	2.6	4.37	302
250051004	2013	2	6	19	V	4.4	-999	4.7	296
250051004	2013	2	6	20	V	4.3	1.5	4.8	307
250051004	2013	2	6	21	V	4.1	1.7	5.33	309
250051004	2013	2	6	22	V	3.6	1.5	4.54	294
250051004	2013	2	6	23	V	3.7	1.9	4.88	305
250051004	2013	2	6	24	V	4.8	1.5	3.81	298
250051004	2013	2	7	1	V	4.1	1.8	3.47	286
250051004	2013	2	7	2	V	5.3	1.8	3.07	297
250051004	2013	2	7	3	V	4.8	1.8	3.61	299
250051004	2013	2	7	4	V	7.3	2	2.27	288
250051004	2013	2	7	5	V	8.0	2.8	2.67	304
250051004	2013	2	7	6	V	6.2	9.5	1.91	323
250051004	2013	2	7	7	V	9.3	10.6	1.37	261
250051004	2013	2	7	8	V	8.3	5.9	2.11	287
250051004	2013	2	7	9	V	7.2	4.9	4.02	352
250051004	2013	2	7	10	V	8.1	2.7	5.17	355
250051004	2013	2	7	11	V	8.6	2.5	4.15	354
250051004	2013	2	7	12	V	13.6	5	3.34	336
250051004	2013	2	7	13	V	8.8	2.6	3.3	359
250051004	2013	2	7	14	V	9.3	1.4	3.39	28

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	7	15	V	8.0	1.2	3	51
250051004	2013	2	7	16	V	6.8	1	2.22	60
250051004	2013	2	7	17	V	8.9	1.4	2.16	86
250051004	2013	2	7	18	V	5.8	1.2	2.11	134
250051004	2013	2	7	19	V	4.4	1.1	1.86	109
250051004	2013	2	7	20	V	4.3	1.6	4.44	86
250051004	2013	2	7	21	V	4.1	1.3	4.78	87
250051004	2013	2	7	22	V	3.6	1.1	3.98	78
250051004	2013	2	7	23	V	3.7	1.7	1.21	55
250051004	2013	2	7	24	V	4.8	2.1	2.13	61
250051004	2013	2	8	1	V	4.1	1.4	2.42	40
250051004	2013	2	8	2	V	5.3	1.5	3.3	56
250051004	2013	2	8	3	V	4.8	1.3	4.31	59
250051004	2013	2	8	4	V	7.3	1.2	4.29	63
250051004	2013	2	8	5	V	8.0	1.3	3.13	65
250051004	2013	2	8	6	V	6.2	1.2	3.34	54
250051004	2013	2	8	7	V	9.3	1.7	4	66
250051004	2013	2	8	8	V	8.3	1.4	4.82	70
250051004	2013	2	8	9	V	7.2	1.8	5.04	76
250051004	2013	2	8	10	V	8.1	1.4	4.8	74
250051004	2013	2	8	11	V	8.6	1.8	4.39	51
250051004	2013	2	8	12	V	8.4	1.4	5.58	45
250051004	2013	2	8	13	V	8.8	1.5	5.92	52
250051004	2013	2	8	14	V	9.3	1.5	6.7	51
250051004	2013	2	8	15	V	8.0	1.4	7.4	49
250051004	2013	2	8	16	V	6.8	1.7	8.86	44
250051004	2013	2	8	17	V	8.9	1.5	10.31	46
250051004	2013	2	8	18	V	5.8	1.8	11.06	40
250051004	2013	2	8	19	V	4.4	1.5	11.68	31
250051004	2013	2	8	20	V	4.3	2	13.92	28
250051004	2013	2	8	21	V	4.1	1.9	15.32	23
250051004	2013	2	8	22	V	3.6	2.2	16.79	29
250051004	2013	2	8	23	V	3.7	-999	16.17	17
250051004	2013	2	8	24	V	4.8	-999	14.27	4
250051004	2013	2	9	1	V	4.1	-999	13.5	2
250051004	2013	2	9	2	V	5.3	-999	12.26	349
250051004	2013	2	9	3	V	4.8	-999	10.1	341
250051004	2013	2	9	4	V	7.3	-999	10.49	352
250051004	2013	2	9	5	V	8.0	-999	9.58	347
250051004	2013	2	9	6	V	6.2	-999	7.69	340
250051004	2013	2	9	7	V	9.3	-999	7.47	333
250051004	2013	2	9	8	V	8.3	-999	8.03	334
250051004	2013	2	9	9	M	-999	-999	7.31	330
250051004	2013	2	9	10	M	-999	-999	8.23	326
250051004	2013	2	9	11	M	-999	-999	8.96	331
250051004	2013	2	9	12	M	-999	-999	9.61	336

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	9	13	M	-999	-999	9.24	337
250051004	2013	2	9	14	M	-999	-999	9.13	337
250051004	2013	2	9	15	M	-999	-999	9.1	333
250051004	2013	2	9	16	M	-999	-999	9.22	345
250051004	2013	2	9	17	V	8.9	6.4	8.98	342
250051004	2013	2	9	18	V	5.8	4	6.53	329
250051004	2013	2	9	19	V	4.5	-999	6.77	326
250051004	2013	2	9	20	V	4.4	3.2	6.64	326
250051004	2013	2	9	21	V	4.1	16.2	6.35	329
250051004	2013	2	9	22	V	3.7	31	6.16	327
250051004	2013	2	9	23	V	3.7	22.5	5.99	320
250051004	2013	2	9	24	V	4.8	18.1	5.29	316
250051004	2013	2	10	1	V	4.1	2.4	4.24	321
250051004	2013	2	10	2	V	5.3	3.8	4.99	326
250051004	2013	2	10	3	V	4.8	2.1	5.29	320
250051004	2013	2	10	4	V	7.3	1.9	5.29	310
250051004	2013	2	10	5	V	8.0	1.8	5.11	306
250051004	2013	2	10	6	V	6.2	2.1	4.63	299
250051004	2013	2	10	7	V	9.3	2.5	3.44	300
250051004	2013	2	10	8	V	8.3	2.4	2.92	314
250051004	2013	2	10	9	V	7.2	3.7	3.78	319
250051004	2013	2	10	10	V	8.1	4.6	3.63	337
250051004	2013	2	10	11	V	8.6	4.6	2.37	1
250051004	2013	2	10	12	V	8.4	3.5	1.96	10
250051004	2013	2	10	13	V	8.8	3.8	2.46	321
250051004	2013	2	10	14	V	9.3	3.5	1.57	312
250051004	2013	2	10	15	V	8.0	1.8	2.11	160
250051004	2013	2	10	16	V	6.8	3.3	3.29	157
250051004	2013	2	10	17	V	8.9	2.3	2.54	154
250051004	2013	2	10	18	V	5.8	1.3	1.71	156
250051004	2013	2	10	19	V	4.4	1.5	0.73	200
250051004	2013	2	10	20	V	4.3	1.1	1.22	268
250051004	2013	2	10	21	V	4.1	1.2	1	240
250051004	2013	2	10	22	V	3.6	1.1	1.56	203
250051004	2013	2	10	23	V	3.7	1.4	2.17	216
250051004	2013	2	10	24	C	-999	1.4	0	0
250051004	2013	2	11	1	M	-999	1.2	999	999
250051004	2013	2	11	2	M	-999	1.6	999	999
250051004	2013	2	11	3	M	-999	-999	999	999
250051004	2013	2	11	4	M	-999	-999	999	999
250051004	2013	2	11	5	M	-999	2	999	999
250051004	2013	2	11	6	V	6.2	2.4	1.76	296
250051004	2013	2	11	7	V	9.3	2.7	1.17	308
250051004	2013	2	11	8	V	8.3	2.1	0.84	256
250051004	2013	2	11	9	C	-999	1.9	0	0
250051004	2013	2	11	10	V	8.1	1.6	1.31	165

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	11	11	V	8.6	1.5	5.21	161
250051004	2013	2	11	12	V	8.4	1.6	4.78	165
250051004	2013	2	11	13	V	8.8	1.3	6.82	171
250051004	2013	2	11	14	V	9.3	1.7	6.16	184
250051004	2013	2	11	15	V	8.0	1.5	4.19	198
250051004	2013	2	11	16	V	6.8	1.7	3.32	210
250051004	2013	2	11	17	V	8.9	1.5	4.12	221
250051004	2013	2	11	18	V	5.8	1.7	3.18	220
250051004	2013	2	11	19	V	4.4	1.3	3.01	225
250051004	2013	2	11	20	V	4.3	1.6	2.61	216
250051004	2013	2	11	21	V	4.1	1.6	2.28	175
250051004	2013	2	11	22	V	3.6	1.8	2.18	184
250051004	2013	2	11	23	V	3.7	1.8	2.54	191
250051004	2013	2	11	24	V	4.8	1.6	3.57	268
250051004	2013	2	12	1	V	4.1	1.8	4.24	295
250051004	2013	2	12	2	V	5.3	1.4	3	303
250051004	2013	2	12	3	V	4.8	1.9	4.27	289
250051004	2013	2	12	4	V	7.3	1.7	3.86	302
250051004	2013	2	12	5	V	8.0	2	3.3	293
250051004	2013	2	12	6	V	6.2	1.9	2.2	240
250051004	2013	2	12	7	V	9.3	2.1	1.91	224
250051004	2013	2	12	8	V	8.3	2.1	2.15	200
250051004	2013	2	12	9	V	7.2	2.1	3.01	230
250051004	2013	2	12	10	V	8.1	2.2	5.7	272
250051004	2013	2	12	11	V	8.6	2	6.02	274
250051004	2013	2	12	12	V	8.4	2.2	6.81	291
250051004	2013	2	12	13	V	8.8	2	7.09	295
250051004	2013	2	12	14	V	9.3	1.9	6.45	292
250051004	2013	2	12	15	V	8.0	2	5.92	285
250051004	2013	2	12	16	V	6.8	2.2	5.39	287
250051004	2013	2	12	17	V	8.9	2.3	3.68	298
250051004	2013	2	12	18	V	5.8	1.8	5.14	298
250051004	2013	2	12	19	V	4.4	-999	4.27	281
250051004	2013	2	12	20	V	4.3	1.7	4.48	263
250051004	2013	2	12	21	V	4.1	1.7	2.76	290
250051004	2013	2	12	22	V	3.6	2.2	2.25	277
250051004	2013	2	12	23	V	3.7	1.8	1.59	250
250051004	2013	2	12	24	V	4.8	2.3	2.72	260
250051004	2013	2	13	1	V	4.1	2.1	3.15	278
250051004	2013	2	13	2	V	5.3	2.2	2.91	277
250051004	2013	2	13	3	V	4.8	2.1	2.95	241
250051004	2013	2	13	4	V	7.3	1.9	3.64	239
250051004	2013	2	13	5	V	8.0	1.9	2.98	261
250051004	2013	2	13	6	V	6.2	2.3	2.57	269
250051004	2013	2	13	7	V	9.3	2.7	1.93	294
250051004	2013	2	13	8	V	8.3	2.8	1.74	264

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	13	9	V	7.2	3.4	2.47	237
250051004	2013	2	13	10	V	8.2	2	3.08	291
250051004	2013	2	13	11	V	9.4	2.4	1.6	293
250051004	2013	2	13	12	V	8.6	2.3	1.91	268
250051004	2013	2	13	13	V	8.8	1.9	3.71	178
250051004	2013	2	13	14	V	9.3	1.8	5.22	140
250051004	2013	2	13	15	V	8.0	1.8	4.82	136
250051004	2013	2	13	16	V	6.8	1.6	3.9	136
250051004	2013	2	13	17	V	8.9	2	3.2	141
250051004	2013	2	13	18	V	5.8	1.8	3.41	145
250051004	2013	2	13	19	V	4.4	1.9	2.01	160
250051004	2013	2	13	20	V	4.3	1.7	1.79	132
250051004	2013	2	13	21	V	4.1	2.2	1.2	72
250051004	2013	2	13	22	V	3.6	2.5	1.84	36
250051004	2013	2	13	23	V	3.7	2.4	1.38	52
250051004	2013	2	13	24	V	4.8	2.6	1.37	358
250051004	2013	2	14	1	V	4.1	2.5	2.11	346
250051004	2013	2	14	2	V	5.3	2.5	2.39	360
250051004	2013	2	14	3	V	4.8	2.3	2.76	356
250051004	2013	2	14	4	V	7.3	2.3	3.24	343
250051004	2013	2	14	5	V	8.0	2.1	3.25	328
250051004	2013	2	14	6	V	6.2	2.7	3.51	333
250051004	2013	2	14	7	V	9.3	3.8	4.09	330
250051004	2013	2	14	8	V	8.3	6.2	4.19	335
250051004	2013	2	14	9	V	7.2	4.9	4.2	342
250051004	2013	2	14	10	V	8.4	7.1	4.03	348
250051004	2013	2	14	11	V	8.6	5.1	4.09	356
250051004	2013	2	14	12	V	8.5	5.8	4.03	354
250051004	2013	2	14	13	V	9.2	4.1	1.76	34
250051004	2013	2	14	14	V	9.8	2.1	1.62	117
250051004	2013	2	14	15	V	8.1	5.5	2.67	169
250051004	2013	2	14	16	V	6.8	2	5.72	166
250051004	2013	2	14	17	V	8.9	2	5.44	158
250051004	2013	2	14	18	V	5.8	1.5	4.07	185
250051004	2013	2	14	19	V	4.4	1.8	3.49	209
250051004	2013	2	14	20	V	4.3	1.9	1.62	206
250051004	2013	2	14	21	V	4.1	1.7	2.06	203
250051004	2013	2	14	22	V	3.6	2.1	1.26	191
250051004	2013	2	14	23	V	3.7	1.9	1.45	220
250051004	2013	2	14	24	V	4.8	1.9	1.28	263
250051004	2013	2	15	1	V	4.1	1.8	0.6	215
250051004	2013	2	15	2	V	5.3	1.9	1.37	154
250051004	2013	2	15	3	V	4.8	4	0.58	186
250051004	2013	2	15	4	V	7.3	9	0.62	153
250051004	2013	2	15	5	V	8.0	6.5	0.99	179
250051004	2013	2	15	6	V	6.2	3.1	1.98	176

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	15	7	V	9.3	2.6	1.94	209
250051004	2013	2	15	8	V	8.3	3.7	1.14	158
250051004	2013	2	15	9	V	7.2	6.3	2.44	175
250051004	2013	2	15	10	V	8.2	7.6	4.83	198
250051004	2013	2	15	11	V	8.6	6.6	6.14	193
250051004	2013	2	15	12	V	8.5	6.8	6.09	191
250051004	2013	2	15	13	V	8.8	3.8	6.57	182
250051004	2013	2	15	14	V	9.3	2.4	6.14	187
250051004	2013	2	15	15	V	8.0	2.1	6.5	181
250051004	2013	2	15	16	V	6.8	5.7	6.01	180
250051004	2013	2	15	17	V	8.9	1.8	5	183
250051004	2013	2	15	18	V	5.8	1.8	4.56	182
250051004	2013	2	15	19	V	4.4	-999	2.5	203
250051004	2013	2	15	20	V	4.3	1.8	3.08	175
250051004	2013	2	15	21	V	4.1	2.3	2.27	179
250051004	2013	2	15	22	V	3.6	1.6	1.7	197
250051004	2013	2	15	23	V	3.7	1.6	1.01	132
250051004	2013	2	15	24	V	4.8	1.5	0.67	24
250051004	2013	2	16	1	V	4.1	1.4	0.86	185
250051004	2013	2	16	2	V	5.3	1.5	0.86	142
250051004	2013	2	16	3	V	4.8	1.7	1.04	291
250051004	2013	2	16	4	V	7.3	1.8	1.18	305
250051004	2013	2	16	5	V	8.0	1.6	3.08	322
250051004	2013	2	16	6	V	6.2	1.6	4.99	352
250051004	2013	2	16	7	V	9.3	1.4	4.88	353
250051004	2013	2	16	8	V	8.3	1.7	5.05	355
250051004	2013	2	16	9	V	7.2	1.8	5.65	356
250051004	2013	2	16	10	V	8.1	1.9	5.67	5
250051004	2013	2	16	11	V	8.6	1.9	5.24	6
250051004	2013	2	16	12	V	8.4	1.6	4.63	16
250051004	2013	2	16	13	V	8.8	1.9	4.31	9
250051004	2013	2	16	14	V	9.3	1.9	4.44	358
250051004	2013	2	16	15	V	8.0	1.9	4.08	355
250051004	2013	2	16	16	V	6.8	1.9	4.65	360
250051004	2013	2	16	17	V	8.9	1.8	4.61	2
250051004	2013	2	16	18	V	5.8	1.9	3.27	344
250051004	2013	2	16	19	V	4.4	1.8	3.3	342
250051004	2013	2	16	20	V	4.3	2	3.52	16
250051004	2013	2	16	21	V	4.1	2	4.19	4
250051004	2013	2	16	22	V	3.6	2.1	5.19	352
250051004	2013	2	16	23	V	3.7	2.2	7.13	355
250051004	2013	2	16	24	V	4.8	2.4	7.65	356
250051004	2013	2	17	1	V	4.1	2.4	7.09	357
250051004	2013	2	17	2	V	5.3	2.2	6.79	356
250051004	2013	2	17	3	V	4.8	2.3	7.65	351
250051004	2013	2	17	4	V	7.3	2.2	8.1	342

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	17	5	V	8.3	2.8	7.47	334
250051004	2013	2	17	6	V	7.3	10.1	7.79	332
250051004	2013	2	17	7	V	15.9	16.8	8.11	328
250051004	2013	2	17	8	V	20.4	123.9	8.85	327
250051004	2013	2	17	9	V	22.1	137.1	8.06	325
250051004	2013	2	17	10	V	9.1	45	8.06	314
250051004	2013	2	17	11	V	9.3	6.3	8.1	313
250051004	2013	2	17	12	V	8.5	5.3	9.24	306
250051004	2013	2	17	13	V	8.8	4.9	9.92	308
250051004	2013	2	17	14	V	9.3	4	9.42	305
250051004	2013	2	17	15	V	8.0	3.8	10.07	301
250051004	2013	2	17	16	V	6.8	3.6	10.75	302
250051004	2013	2	17	17	V	8.9	2.8	9.02	301
250051004	2013	2	17	18	V	5.8	2.5	8.15	285
250051004	2013	2	17	19	V	4.4	2.4	9.32	283
250051004	2013	2	17	20	V	4.3	2.4	9.13	283
250051004	2013	2	17	21	V	4.1	2.2	10.87	287
250051004	2013	2	17	22	V	3.6	2.1	9.95	293
250051004	2013	2	17	23	V	3.7	2.2	9.2	298
250051004	2013	2	17	24	V	4.8	2.2	8.59	297
250051004	2013	2	18	1	V	4.1	2.1	8.44	298
250051004	2013	2	18	2	V	5.3	2.1	8.57	297
250051004	2013	2	18	3	V	4.8	2.2	8.13	294
250051004	2013	2	18	4	V	7.3	2.1	8.91	295
250051004	2013	2	18	5	V	8.0	2	7.62	300
250051004	2013	2	18	6	V	6.2	2.1	7.91	303
250051004	2013	2	18	7	V	9.3	2.5	6.97	303
250051004	2013	2	18	8	V	8.3	2.3	7.67	304
250051004	2013	2	18	9	V	7.2	2.5	7.81	300
250051004	2013	2	18	10	V	8.2	3	8.88	303
250051004	2013	2	18	11	V	8.6	2.9	8.01	305
250051004	2013	2	18	12	V	8.5	2.5	8.15	300
250051004	2013	2	18	13	V	8.8	1.9	8.52	283
250051004	2013	2	18	14	V	9.3	1.9	7.98	283
250051004	2013	2	18	15	V	8.0	1.9	8.01	284
250051004	2013	2	18	16	V	6.9	1.5	7.86	285
250051004	2013	2	18	17	V	8.9	1.6	6.21	287
250051004	2013	2	18	18	V	5.8	1.4	4.82	280
250051004	2013	2	18	19	V	4.4	-999	5.12	276
250051004	2013	2	18	20	V	4.3	1.9	4.7	272
250051004	2013	2	18	21	V	4.1	2.1	3.56	274
250051004	2013	2	18	22	V	3.6	2.1	4.22	275
250051004	2013	2	18	23	V	3.7	2.2	4.36	264
250051004	2013	2	18	24	V	4.8	2.4	1.77	251
250051004	2013	2	19	1	V	4.1	2.3	1.16	195
250051004	2013	2	19	2	V	5.3	2.1	2.13	222

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	19	3	V	4.8	2.4	1.31	262
250051004	2013	2	19	4	V	7.3	4.9	1.28	138
250051004	2013	2	19	5	V	8.0	3.6	1.67	205
250051004	2013	2	19	6	V	6.2	5.7	1.45	201
250051004	2013	2	19	7	V	9.3	4.6	0.97	4
250051004	2013	2	19	8	V	8.3	4.8	0.67	221
250051004	2013	2	19	9	V	7.2	3.6	2.08	191
250051004	2013	2	19	10	V	8.1	6.4	3.69	178
250051004	2013	2	19	11	V	8.6	7.8	5.27	189
250051004	2013	2	19	12	V	8.4	7.5	6.64	194
250051004	2013	2	19	13	V	8.8	6.7	7.33	189
250051004	2013	2	19	14	V	9.3	2.2	7.91	192
250051004	2013	2	19	15	V	8.0	2.1	6.38	180
250051004	2013	2	19	16	V	6.8	1.9	5.27	162
250051004	2013	2	19	17	V	8.9	1.9	4.19	158
250051004	2013	2	19	18	V	5.8	2	2.98	152
250051004	2013	2	19	19	V	4.4	2	5.21	187
250051004	2013	2	19	20	V	4.3	2.1	4.97	172
250051004	2013	2	19	21	V	4.1	2.2	4.14	160
250051004	2013	2	19	22	V	3.6	1.9	3.47	226
250051004	2013	2	19	23	V	3.7	2.2	1.86	221
250051004	2013	2	19	24	V	4.8	2.1	3	247
250051004	2013	2	20	1	V	4.1	2.3	2.49	249
250051004	2013	2	20	2	V	5.3	2.6	4.09	245
250051004	2013	2	20	3	V	4.8	2.3	5.09	254
250051004	2013	2	20	4	V	7.3	2.3	6.38	265
250051004	2013	2	20	5	V	8.0	2.4	6.09	279
250051004	2013	2	20	6	V	6.2	2.6	4.63	283
250051004	2013	2	20	7	V	9.3	2.4	5.85	287
250051004	2013	2	20	8	V	8.3	2.4	7.09	284
250051004	2013	2	20	9	V	7.2	2.5	7.31	291
250051004	2013	2	20	10	V	8.1	2.4	8.2	288
250051004	2013	2	20	11	V	8.6	2.5	8.47	280
250051004	2013	2	20	12	V	8.4	2.2	8.42	286
250051004	2013	2	20	13	V	8.8	2.3	8.2	282
250051004	2013	2	20	14	V	9.3	2.3	8.42	294
250051004	2013	2	20	15	V	8.0	2.5	8.08	283
250051004	2013	2	20	16	V	6.8	2.4	8.03	289
250051004	2013	2	20	17	V	8.9	2.5	6.87	285
250051004	2013	2	20	18	V	5.8	2.4	7.81	288
250051004	2013	2	20	19	V	4.4	-999	6.48	287
250051004	2013	2	20	20	V	4.3	2.7	6.02	283
250051004	2013	2	20	21	V	4.1	2.1	7.33	282
250051004	2013	2	20	22	V	3.6	2.2	6.43	282
250051004	2013	2	20	23	V	3.7	2.2	5.6	280
250051004	2013	2	20	24	V	4.8	2.1	6.09	286

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	21	1	V	4.1	1.8	5.65	275
250051004	2013	2	21	2	V	5.3	2.5	5.39	270
250051004	2013	2	21	3	V	4.8	2.5	4.44	256
250051004	2013	2	21	4	V	7.3	2.4	4.73	254
250051004	2013	2	21	5	V	8.0	2.1	5.31	259
250051004	2013	2	21	6	V	6.2	2.3	5.19	267
250051004	2013	2	21	7	V	9.3	2.1	6.58	271
250051004	2013	2	21	8	V	8.3	2.1	6.55	273
250051004	2013	2	21	9	V	7.2	2.5	6.28	281
250051004	2013	2	21	10	V	8.2	2.2	7.04	284
250051004	2013	2	21	11	V	8.6	2.3	7.47	291
250051004	2013	2	21	12	V	8.4	2.9	8.67	298
250051004	2013	2	21	13	V	8.9	3.1	7.93	306
250051004	2013	2	21	14	V	9.3	3.5	8.5	306
250051004	2013	2	21	15	V	8.4	13.2	7.6	310
250051004	2013	2	21	16	V	7.2	5.5	7.89	311
250051004	2013	2	21	17	V	9.8	54.9	7.26	315
250051004	2013	2	21	18	V	6.5	57.4	6.79	326
250051004	2013	2	21	19	V	5.6	66.9	7.26	329
250051004	2013	2	21	20	V	4.3	4.8	7.54	337
250051004	2013	2	21	21	V	4.1	1.9	5.8	336
250051004	2013	2	21	22	V	3.6	1.8	5.04	330
250051004	2013	2	21	23	V	3.7	15.9	4.44	324
250051004	2013	2	21	24	V	4.8	23.6	5	315
250051004	2013	2	22	1	V	4.1	9.9	5.33	314
250051004	2013	2	22	2	V	5.3	9.4	4.39	332
250051004	2013	2	22	3	V	4.8	1.9	4.48	342
250051004	2013	2	22	4	V	7.3	1.8	4.9	355
250051004	2013	2	22	5	V	8.0	1.4	5.26	353
250051004	2013	2	22	6	V	6.2	2	3.25	332
250051004	2013	2	22	7	V	9.3	6.1	3.32	333
250051004	2013	2	22	8	V	8.3	7.6	4.54	350
250051004	2013	2	22	9	V	7.2	2.1	5.29	2
250051004	2013	2	22	10	V	8.1	1.3	5.26	13
250051004	2013	2	22	11	V	8.6	1.8	4.31	24
250051004	2013	2	22	12	V	8.5	1.9	4.41	37
250051004	2013	2	22	13	V	8.8	1.4	4.07	38
250051004	2013	2	22	14	V	9.3	1.1	4.17	36
250051004	2013	2	22	15	V	8.0	1	4.34	39
250051004	2013	2	22	16	V	6.8	1.2	4.26	65
250051004	2013	2	22	17	V	8.9	1.1	4.02	74
250051004	2013	2	22	18	V	5.8	1	2.69	92
250051004	2013	2	22	19	V	4.4	1.1	2.37	95
250051004	2013	2	22	20	V	4.3	1.1	1.94	116
250051004	2013	2	22	21	V	4.1	0.9	1.88	112
250051004	2013	2	22	22	V	3.6	1.1	1.31	128

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	22	23	V	3.7	1.4	0.62	155
250051004	2013	2	22	24	V	4.8	1.9	0.69	67
250051004	2013	2	23	1	V	4.1	2.7	1.31	40
250051004	2013	2	23	2	V	5.3	1.6	0.58	45
250051004	2013	2	23	3	V	4.8	1.5	0.53	58
250051004	2013	2	23	4	V	7.3	1.8	1.28	46
250051004	2013	2	23	5	V	8.0	1.9	0.82	60
250051004	2013	2	23	6	V	6.2	1.7	0.77	69
250051004	2013	2	23	7	V	9.3	1.7	1.11	85
250051004	2013	2	23	8	V	8.3	1.7	2.16	121
250051004	2013	2	23	9	V	7.2	1.6	3.24	126
250051004	2013	2	23	10	V	8.1	1.5	3.47	128
250051004	2013	2	23	11	V	8.6	1.4	4.34	133
250051004	2013	2	23	12	V	8.4	1.4	4.53	127
250051004	2013	2	23	13	V	8.8	1.2	4.78	134
250051004	2013	2	23	14	V	9.3	1.4	4.99	137
250051004	2013	2	23	15	V	8.0	1.3	4.7	137
250051004	2013	2	23	16	V	6.8	1.3	4.32	131
250051004	2013	2	23	17	V	8.9	1.5	2.27	104
250051004	2013	2	23	18	V	5.8	1.3	2.32	65
250051004	2013	2	23	19	V	4.4	-999	2.28	59
250051004	2013	2	23	20	V	4.3	1.3	2.93	48
250051004	2013	2	23	21	V	4.1	1.4	3.54	17
250051004	2013	2	23	22	V	3.6	1.5	4.17	18
250051004	2013	2	23	23	V	3.7	1.6	4.09	33
250051004	2013	2	23	24	V	4.8	1.7	4.63	41
250051004	2013	2	24	1	V	4.1	1.7	5.38	21
250051004	2013	2	24	2	V	5.3	1.7	6.55	9
250051004	2013	2	24	3	V	4.8	1.8	6.26	17
250051004	2013	2	24	4	V	7.3	1.8	6.35	10
250051004	2013	2	24	5	V	8.0	1.9	5.53	7
250051004	2013	2	24	6	V	6.2	1.9	5.36	345
250051004	2013	2	24	7	V	9.3	1.8	5.24	346
250051004	2013	2	24	8	V	8.3	2	7.57	354
250051004	2013	2	24	9	V	7.2	2	8.27	359
250051004	2013	2	24	10	V	8.1	2	7.93	359
250051004	2013	2	24	11	V	8.6	1.9	7.37	353
250051004	2013	2	24	12	V	8.5	2	6.72	345
250051004	2013	2	24	13	V	8.8	2	8.56	358
250051004	2013	2	24	14	V	9.3	2	8.2	355
250051004	2013	2	24	15	V	8.0	2	7.6	2
250051004	2013	2	24	16	V	6.8	1.9	6.24	349
250051004	2013	2	24	17	V	8.9	2	6.24	351
250051004	2013	2	24	18	V	5.8	1.9	5.85	348
250051004	2013	2	24	19	V	4.4	1.7	5.24	344
250051004	2013	2	24	20	V	4.3	1.8	4.9	338

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	24	21	V	4.1	1.8	4.48	344
250051004	2013	2	24	22	V	3.6	1.7	3.97	336
250051004	2013	2	24	23	V	3.7	1.8	4.49	348
250051004	2013	2	24	24	V	4.8	1.6	3.54	349
250051004	2013	2	25	1	V	4.1	1.5	2.89	344
250051004	2013	2	25	2	V	5.3	1.4	2.46	335
250051004	2013	2	25	3	V	4.8	-999	3.9	342
250051004	2013	2	25	4	V	7.3	-999	3.2	354
250051004	2013	2	25	5	V	8.0	1.2	2.61	357
250051004	2013	2	25	6	V	6.2	2.3	3.86	17
250051004	2013	2	25	7	V	9.3	2.2	2.42	319
250051004	2013	2	25	8	V	9.5	4.5	2.66	328
250051004	2013	2	25	9	V	21.1	6	3.97	331
250051004	2013	2	25	10	V	8.2	2.5	4.68	353
250051004	2013	2	25	11	V	8.6	1.7	5.79	14
250051004	2013	2	25	12	V	8.5	1.8	5.36	16
250051004	2013	2	25	13	V	8.8	1.8	4.05	12
250051004	2013	2	25	14	V	12.9	1.8	3.15	343
250051004	2013	2	25	15	V	13.6	-999	3.98	338
250051004	2013	2	25	16	V	6.8	-999	3.69	9
250051004	2013	2	25	17	V	8.9	1.5	2.71	14
250051004	2013	2	25	18	V	5.8	1	2.96	336
250051004	2013	2	25	19	V	4.4	1	2.76	350
250051004	2013	2	25	20	V	4.3	1.3	1.93	341
250051004	2013	2	25	21	V	4.1	1.2	1.54	308
250051004	2013	2	25	22	V	3.6	1.1	1.25	269
250051004	2013	2	25	23	V	3.7	1.2	1.18	241
250051004	2013	2	25	24	V	4.8	1	1.03	210
250051004	2013	2	26	1	V	4.1	0.4	1.09	170
250051004	2013	2	26	2	V	5.3	1.1	1.23	147
250051004	2013	2	26	3	V	4.8	0.8	0.97	205
250051004	2013	2	26	4	V	7.3	0.9	2.17	233
250051004	2013	2	26	5	V	8.0	1.4	1.17	32
250051004	2013	2	26	6	V	6.2	1.9	0.77	69
250051004	2013	2	26	7	V	9.3	1.5	1.04	94
250051004	2013	2	26	8	V	8.3	1.5	1.2	98
250051004	2013	2	26	9	V	7.2	1	1.37	106
250051004	2013	2	26	10	V	8.5	3.9	1.94	106
250051004	2013	2	26	11	V	8.6	1.4	3.23	141
250051004	2013	2	26	12	V	8.6	1	2.61	143
250051004	2013	2	26	13	V	8.8	1.4	3.66	162
250051004	2013	2	26	14	V	9.3	0.7	3.68	154
250051004	2013	2	26	15	V	8.0	0.5	4	175
250051004	2013	2	26	16	V	6.9	0.5	4.44	172
250051004	2013	2	26	17	V	8.9	0.6	3.66	167
250051004	2013	2	26	18	V	5.8	0.6	3.44	130

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	26	19	V	4.4	-999	4.03	107
250051004	2013	2	26	20	V	4.3	0.8	3.3	102
250051004	2013	2	26	21	V	4.1	0.9	3.58	74
250051004	2013	2	26	22	V	3.6	0.9	3.47	68
250051004	2013	2	26	23	V	3.7	1.1	4.41	62
250051004	2013	2	26	24	V	4.8	1.3	4.46	60
250051004	2013	2	27	1	V	4.1	1.2	4.29	54
250051004	2013	2	27	2	V	5.3	1.1	5.02	50
250051004	2013	2	27	3	V	4.8	1.2	4.66	49
250051004	2013	2	27	4	V	7.3	1.1	5.45	37
250051004	2013	2	27	5	V	8.0	1.3	6.19	47
250051004	2013	2	27	6	V	6.2	1.3	5.96	56
250051004	2013	2	27	7	V	9.3	1.2	6.4	61
250051004	2013	2	27	8	V	8.3	1.3	5.85	86
250051004	2013	2	27	9	V	7.2	1.6	7.76	92
250051004	2013	2	27	10	V	8.1	1.3	7.57	90
250051004	2013	2	27	11	V	8.6	1.4	8.42	90
250051004	2013	2	27	12	V	8.4	1.6	7.72	83
250051004	2013	2	27	13	V	8.8	1.5	7.67	87
250051004	2013	2	27	14	V	9.3	1.4	7.74	83
250051004	2013	2	27	15	V	8.0	1.9	5.16	75
250051004	2013	2	27	16	V	6.8	1.7	5.36	79
250051004	2013	2	27	17	V	8.9	1.6	4.68	79
250051004	2013	2	27	18	V	5.8	1.8	4.32	23
250051004	2013	2	27	19	V	4.4	1.7	3.57	8
250051004	2013	2	27	20	V	4.3	1.6	4.39	10
250051004	2013	2	27	21	V	4.1	1.8	3.37	357
250051004	2013	2	27	22	V	3.6	1.7	2.37	326
250051004	2013	2	27	23	V	3.7	1.6	2.55	316
250051004	2013	2	27	24	V	4.8	1.8	2.6	307
250051004	2013	2	28	1	V	4.1	1.7	3.16	296
250051004	2013	2	28	2	V	5.3	1.8	2.81	303
250051004	2013	2	28	3	V	4.8	1.8	2.47	300
250051004	2013	2	28	4	V	7.3	1.8	2.18	301
250051004	2013	2	28	5	V	8.0	2.1	1.6	210
250051004	2013	2	28	6	V	6.2	1.8	1.31	298
250051004	2013	2	28	7	V	9.3	2.1	1.59	297
250051004	2013	2	28	8	V	8.3	2.5	2.1	280
250051004	2013	2	28	9	V	7.2	1.8	1.96	292
250051004	2013	2	28	10	V	9.5	4.2	1.08	16
250051004	2013	2	28	11	V	9.4	12.7	1.25	43
250051004	2013	2	28	12	V	11.5	6.1	0.84	125
250051004	2013	2	28	13	V	9.3	7.3	1.37	137
250051004	2013	2	28	14	V	10.6	7.9	1.3	77
250051004	2013	2	28	15	V	8.8	7	1.33	73
250051004	2013	2	28	16	V	7.2	5.4	1.31	141

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	2	28	17	V	8.9	4	1.86	170
250051004	2013	2	28	18	V	5.8	4.3	1.86	25
250051004	2013	2	28	19	V	4.4	3.6	1.48	357
250051004	2013	2	28	20	V	4.3	3	2.25	292
250051004	2013	2	28	21	V	4.1	3.1	1.94	310
250051004	2013	2	28	22	V	3.6	3.1	1.96	331
250051004	2013	2	28	23	V	3.7	3.4	2.28	331
250051004	2013	2	28	24	V	4.8	3	2.28	302
250051004	2013	3	1	1	V	5.5	2.5	2.64	324
250051004	2013	3	1	2	V	8.4	2.9	3.15	325
250051004	2013	3	1	3	V	4.7	2.7	3.03	337
250051004	2013	3	1	4	V	5.4	2.5	2.52	337
250051004	2013	3	1	5	V	4.8	2.4	2.2	322
250051004	2013	3	1	6	V	5.0	2.1	2.28	335
250051004	2013	3	1	7	V	6.8	3.7	2.47	314
250051004	2013	3	1	8	V	12.0	6	3.39	319
250051004	2013	3	1	9	V	10.6	8.3	5.9	338
250051004	2013	3	1	10	V	8.2	4.5	6.77	339
250051004	2013	3	1	11	V	12.4	2.9	5.99	341
250051004	2013	3	1	12	V	7.9	2.2	6.35	349
250051004	2013	3	1	13	V	14.4	4.5	6.09	344
250051004	2013	3	1	14	V	9.4	9	6.36	344
250051004	2013	3	1	15	V	8.5	2.3	6.18	338
250051004	2013	3	1	16	V	3.7	2	5.48	342
250051004	2013	3	1	17	V	3.6	1.8	6.69	353
250051004	2013	3	1	18	V	2.5	1.8	5.16	346
250051004	2013	3	1	19	V	2.3	-999	3.71	340
250051004	2013	3	1	20	V	2.0	2.6	3.03	326
250051004	2013	3	1	21	V	2.4	2	3.78	328
250051004	2013	3	1	22	V	2.2	2.1	4.14	327
250051004	2013	3	1	23	V	2.6	2.2	3.51	322
250051004	2013	3	1	24	V	2.8	9.1	3.17	315
250051004	2013	3	2	1	V	5.5	27.6	2.97	316
250051004	2013	3	2	2	V	8.4	10.6	4.05	298
250051004	2013	3	2	3	V	4.7	3.5	4.68	295
250051004	2013	3	2	4	V	5.4	2.3	4.07	302
250051004	2013	3	2	5	V	4.8	2.5	3.32	295
250051004	2013	3	2	6	V	5.0	2.2	3.8	302
250051004	2013	3	2	7	V	6.8	2.7	3.34	303
250051004	2013	3	2	8	V	6.1	2.6	3.25	286
250051004	2013	3	2	9	V	5.8	2.2	3.74	290
250051004	2013	3	2	10	V	5.9	8.9	4.53	312
250051004	2013	3	2	11	V	12.1	2.7	4.26	318
250051004	2013	3	2	12	V	14.4	3.4	3.83	325
250051004	2013	3	2	13	V	14.0	2.6	3.34	313
250051004	2013	3	2	14	V	8.5	2.3	2.95	301

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	2	15	V	4.8	2.4	2.76	312
250051004	2013	3	2	16	V	2.3	2.3	3.08	294
250051004	2013	3	2	17	V	3.6	2.2	3.17	292
250051004	2013	3	2	18	V	2.5	2.4	2.89	296
250051004	2013	3	2	19	V	2.3	2.1	2.23	297
250051004	2013	3	2	20	V	2.0	2.5	1.86	293
250051004	2013	3	2	21	V	2.3	2.3	2.28	325
250051004	2013	3	2	22	V	2.1	2.3	2.52	279
250051004	2013	3	2	23	V	2.6	2.2	4.44	289
250051004	2013	3	2	24	V	2.8	3.3	3.44	323
250051004	2013	3	3	1	V	5.5	2	3.88	330
250051004	2013	3	3	2	V	8.4	2.2	2.89	315
250051004	2013	3	3	3	V	4.7	2.3	3.2	304
250051004	2013	3	3	4	V	5.4	2.2	3.07	305
250051004	2013	3	3	5	V	4.8	2.4	3.2	310
250051004	2013	3	3	6	V	5.0	2.4	3.18	303
250051004	2013	3	3	7	V	6.8	2	3.06	302
250051004	2013	3	3	8	V	6.1	2.4	3.71	307
250051004	2013	3	3	9	V	5.8	2.5	3.44	306
250051004	2013	3	3	10	V	5.5	2.3	3.61	308
250051004	2013	3	3	11	V	12.5	2.6	3.15	312
250051004	2013	3	3	12	V	10.8	2.6	2.18	305
250051004	2013	3	3	13	V	12.0	2.4	2.33	275
250051004	2013	3	3	14	V	8.4	2.3	2.62	271
250051004	2013	3	3	15	V	4.2	2.5	2.61	302
250051004	2013	3	3	16	V	2.4	2.2	4.12	291
250051004	2013	3	3	17	V	3.6	2.5	4.71	289
250051004	2013	3	3	18	V	2.5	2.4	5.24	308
250051004	2013	3	3	19	V	2.3	2.3	5.55	311
250051004	2013	3	3	20	V	2.0	2	4.6	302
250051004	2013	3	3	21	V	2.3	2.5	4.36	309
250051004	2013	3	3	22	V	2.1	3.5	4.26	309
250051004	2013	3	3	23	V	2.6	2	4.17	304
250051004	2013	3	3	24	V	2.8	2	4.32	298
250051004	2013	3	4	1	V	5.5	1.9	4.03	298
250051004	2013	3	4	2	V	8.4	2.1	4.42	302
250051004	2013	3	4	3	V	4.7	2.2	4.97	304
250051004	2013	3	4	4	V	5.4	1.9	5.09	302
250051004	2013	3	4	5	V	4.8	2	4.85	305
250051004	2013	3	4	6	V	5.0	2.5	4.22	299
250051004	2013	3	4	7	V	6.8	2.2	4.7	301
250051004	2013	3	4	8	V	6.1	2.7	5.31	309
250051004	2013	3	4	9	V	7.1	3.4	6.46	314
250051004	2013	3	4	10	V	5.5	2.6	7.59	307
250051004	2013	3	4	11	V	9.3	2.5	8.05	300
250051004	2013	3	4	12	V	7.8	3	8.39	288

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	4	13	V	13.1	2.6	10.56	313
250051004	2013	3	4	14	V	8.4	2.5	7.86	299
250051004	2013	3	4	15	V	3.3	2.4	7.89	304
250051004	2013	3	4	16	V	2.3	2.1	7.98	301
250051004	2013	3	4	17	V	3.6	1.7	7.3	302
250051004	2013	3	4	18	V	2.5	2	6.55	293
250051004	2013	3	4	19	V	2.3	-999	6.75	301
250051004	2013	3	4	20	V	2.0	1.4	6.09	301
250051004	2013	3	4	21	V	2.3	1.9	5.92	305
250051004	2013	3	4	22	V	2.1	1.8	6.81	311
250051004	2013	3	4	23	V	2.7	47.6	6.38	317
250051004	2013	3	4	24	V	4.6	53.9	6.23	325
250051004	2013	3	5	1	V	5.5	8.8	5.6	312
250051004	2013	3	5	2	V	8.4	2.1	5.55	313
250051004	2013	3	5	3	V	4.7	3.2	5.82	316
250051004	2013	3	5	4	V	5.4	20	5.36	312
250051004	2013	3	5	5	V	4.8	26.4	5.11	311
250051004	2013	3	5	6	V	5.0	6.2	5.1	311
250051004	2013	3	5	7	V	6.8	9.2	4.66	312
250051004	2013	3	5	8	V	7.6	61.9	4.46	318
250051004	2013	3	5	9	V	17.6	15.4	5.16	325
250051004	2013	3	5	10	V	6.3	6.2	6.06	343
250051004	2013	3	5	11	V	9.4	2.4	5.99	351
250051004	2013	3	5	12	V	7.9	2	5.16	353
250051004	2013	3	5	13	V	11.9	2.5	5.55	3
250051004	2013	3	5	14	V	8.4	2.1	4.87	20
250051004	2013	3	5	15	V	3.4	1.9	4.68	31
250051004	2013	3	5	16	V	2.4	1.6	4.95	45
250051004	2013	3	5	17	V	3.6	1.5	3.83	26
250051004	2013	3	5	18	V	2.5	1.9	3.47	34
250051004	2013	3	5	19	V	2.3	1.8	3.61	53
250051004	2013	3	5	20	V	2.0	1.5	4.19	40
250051004	2013	3	5	21	V	2.3	1.7	2.66	41
250051004	2013	3	5	22	V	2.1	1.8	1.96	10
250051004	2013	3	5	23	V	2.6	1.6	1.99	306
250051004	2013	3	5	24	V	2.8	1.6	1.96	4
250051004	2013	3	6	1	V	5.5	1.7	1.52	314
250051004	2013	3	6	2	V	8.4	1.7	1.48	301
250051004	2013	3	6	3	V	4.7	1.8	2.54	20
250051004	2013	3	6	4	V	5.4	1.8	4.22	29
250051004	2013	3	6	5	V	4.8	1.4	4.32	30
250051004	2013	3	6	6	V	5.0	1.3	4.22	38
250051004	2013	3	6	7	V	6.8	1.6	5.46	49
250051004	2013	3	6	8	V	6.1	1.9	7.06	59
250051004	2013	3	6	9	V	5.8	1.3	8.06	65
250051004	2013	3	6	10	V	5.4	1.5	8.52	67

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	6	11	V	9.3	1.5	9.81	63
250051004	2013	3	6	12	V	7.8	1.3	9.93	62
250051004	2013	3	6	13	V	11.9	1.3	9.44	60
250051004	2013	3	6	14	V	8.3	1.5	10.22	58
250051004	2013	3	6	15	V	3.3	1.6	10.9	60
250051004	2013	3	6	16	V	2.3	1.4	10.1	54
250051004	2013	3	6	17	V	3.6	1.2	10.51	47
250051004	2013	3	6	18	V	2.5	1.4	10.09	39
250051004	2013	3	6	19	V	2.3	1.4	10.05	41
250051004	2013	3	6	20	V	2.0	1.3	9.87	36
250051004	2013	3	6	21	V	2.3	1.1	10.49	33
250051004	2013	3	6	22	V	2.1	1.2	11.68	32
250051004	2013	3	6	23	V	2.6	1.4	10.85	32
250051004	2013	3	6	24	V	2.8	1.4	12.14	28
250051004	2013	3	7	1	V	5.5	1.3	12.28	28
250051004	2013	3	7	2	V	8.4	1.4	12.13	25
250051004	2013	3	7	3	V	4.7	1.4	11.77	22
250051004	2013	3	7	4	V	5.4	1.4	11	16
250051004	2013	3	7	5	V	4.8	1.3	10.97	18
250051004	2013	3	7	6	V	5.0	1.3	11.14	14
250051004	2013	3	7	7	V	6.8	1.3	10.6	9
250051004	2013	3	7	8	V	6.1	1.4	10.85	6
250051004	2013	3	7	9	V	5.8	1.4	11.33	6
250051004	2013	3	7	10	V	5.4	1.3	11.11	7
250051004	2013	3	7	11	V	9.3	1.4	10.43	8
250051004	2013	3	7	12	V	7.8	1.4	11.43	13
250051004	2013	3	7	13	V	11.8	1.3	11.17	11
250051004	2013	3	7	14	V	8.3	1.3	11.62	11
250051004	2013	3	7	15	V	3.3	1.3	11.62	13
250051004	2013	3	7	16	V	2.3	1.3	12.13	10
250051004	2013	3	7	17	V	3.6	1.3	10.41	7
250051004	2013	3	7	18	V	2.5	1.3	10.36	4
250051004	2013	3	7	19	V	2.3	-999	10.53	1
250051004	2013	3	7	20	V	2.0	1.1	11.06	3
250051004	2013	3	7	21	V	2.3	1.4	10.31	2
250051004	2013	3	7	22	V	2.1	1.2	10.19	1
250051004	2013	3	7	23	V	2.6	1.1	9.61	360
250051004	2013	3	7	24	V	2.8	1.4	8.88	360
250051004	2013	3	8	1	V	5.5	1.3	9.36	3
250051004	2013	3	8	2	V	8.4	1.5	9.97	2
250051004	2013	3	8	3	V	4.7	1.4	9.59	3
250051004	2013	3	8	4	V	5.4	1.3	8.25	360
250051004	2013	3	8	5	V	4.8	1.5	8.15	3
250051004	2013	3	8	6	V	5.0	1.6	8.59	3
250051004	2013	3	8	7	V	6.8	1.4	8.37	1
250051004	2013	3	8	8	V	6.1	1.6	8.96	3

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	8	9	V	5.8	1.6	9.44	5
250051004	2013	3	8	10	V	5.4	1.5	10.05	7
250051004	2013	3	8	11	V	9.3	1.6	10.15	6
250051004	2013	3	8	12	V	7.8	1.6	10.36	7
250051004	2013	3	8	13	V	11.8	1.5	10.48	5
250051004	2013	3	8	14	V	8.3	1.4	10.36	4
250051004	2013	3	8	15	V	3.3	1.6	9.66	6
250051004	2013	3	8	16	V	2.3	1.4	9.08	10
250051004	2013	3	8	17	V	3.6	1.3	9.17	8
250051004	2013	3	8	18	V	2.5	1.1	10.09	11
250051004	2013	3	8	19	V	2.3	1.2	7.3	1
250051004	2013	3	8	20	V	2.0	1.3	5.85	344
250051004	2013	3	8	21	V	2.3	1.4	7.26	354
250051004	2013	3	8	22	V	2.1	1.5	8.37	3
250051004	2013	3	8	23	V	2.6	1.5	8.06	360
250051004	2013	3	8	24	V	2.8	1.4	7.54	360
250051004	2013	3	9	1	V	5.5	1.2	8.11	2
250051004	2013	3	9	2	V	8.4	1.4	8	1
250051004	2013	3	9	3	V	4.7	1.8	8.49	3
250051004	2013	3	9	4	V	5.4	1.9	8.08	5
250051004	2013	3	9	5	V	4.8	1.8	7.28	6
250051004	2013	3	9	6	V	5.0	1.7	7.81	5
250051004	2013	3	9	7	V	6.8	1.7	7.21	5
250051004	2013	3	9	8	V	6.1	1.9	8.05	4
250051004	2013	3	9	9	V	5.8	1.6	9.29	17
250051004	2013	3	9	10	V	5.5	1.3	7.98	17
250051004	2013	3	9	11	V	9.3	1.1	7.62	18
250051004	2013	3	9	12	V	7.8	1.2	7.86	21
250051004	2013	3	9	13	V	11.9	1	7.72	16
250051004	2013	3	9	14	V	8.4	1.1	7.67	25
250051004	2013	3	9	15	V	3.4	1.1	5.94	35
250051004	2013	3	9	16	V	2.4	1	5.85	39
250051004	2013	3	9	17	V	3.6	0.9	5.7	38
250051004	2013	3	9	18	V	2.5	0.8	4.59	48
250051004	2013	3	9	19	V	2.3	1	4.19	53
250051004	2013	3	9	20	V	2.0	1.2	2.91	30
250051004	2013	3	9	21	V	2.3	1	3.27	17
250051004	2013	3	9	22	V	2.1	0.9	2.93	359
250051004	2013	3	9	23	V	2.6	0.8	2.78	3
250051004	2013	3	9	24	V	2.8	0.8	3.07	338
250051004	2013	3	10	1	V	5.5	0.8	4.07	340
250051004	2013	3	10	2	V	8.4	0.8	3.42	342
250051004	2013	3	10	3	V	4.7	0.7	3.2	337
250051004	2013	3	10	4	V	5.4	0.8	3.71	344
250051004	2013	3	10	5	V	4.8	0.9	3.06	355
250051004	2013	3	10	6	V	5.0	1	3.25	9

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	10	7	V	6.8	1.2	2.73	5
250051004	2013	3	10	8	V	6.1	1.2	3.2	13
250051004	2013	3	10	9	V	5.8	1.7	3.86	20
250051004	2013	3	10	10	V	5.5	1.5	4.51	24
250051004	2013	3	10	11	V	9.4	1.1	3.76	45
250051004	2013	3	10	12	V	8.0	1.2	3.59	37
250051004	2013	3	10	13	M	-999	1	2.36	999
250051004	2013	3	10	14	V	8.9	1	2.36	46
250051004	2013	3	10	15	M	-999	0.7	1.76	999
250051004	2013	3	10	16	M	-999	0.8	1.76	999
250051004	2013	3	10	17	V	3.6	0.7	4.86	148
250051004	2013	3	10	18	V	2.5	0.7	4.86	184
250051004	2013	3	10	19	V	2.3	-999	3.36	166
250051004	2013	3	10	20	V	2.0	0.3	3.36	179
250051004	2013	3	10	21	V	2.3	0.6	2.86	176
250051004	2013	3	10	22	V	2.1	1.1	1.76	197
250051004	2013	3	10	23	V	2.6	0.7	2.24	179
250051004	2013	3	10	24	V	2.8	0.7	2.27	189
250051004	2013	3	11	1	V	5.5	0.8	3.17	218
250051004	2013	3	11	2	V	8.4	1.8	4.02	218
250051004	2013	3	11	3	V	4.7	-999	3.32	189
250051004	2013	3	11	4	V	5.4	-999	3.05	215
250051004	2013	3	11	5	V	4.8	6.4	2.28	212
250051004	2013	3	11	6	V	5.0	3.8	2.52	191
250051004	2013	3	11	7	V	6.8	3.6	2.9	179
250051004	2013	3	11	8	V	6.1	1.4	3.03	185
250051004	2013	3	11	9	V	5.8	2.2	3.8	177
250051004	2013	3	11	10	V	5.5	4.5	3.44	157
250051004	2013	3	11	11	V	9.4	4.6	4.77	172
250051004	2013	3	11	12	V	7.8	5.7	6.57	153
250051004	2013	3	11	13	V	11.9	4.5	7.4	150
250051004	2013	3	11	14	V	8.4	1.7	7.52	150
250051004	2013	3	11	15	V	3.3	1	7.52	151
250051004	2013	3	11	16	V	2.3	1.1	5.9	154
250051004	2013	3	11	17	V	3.6	1.2	5.38	162
250051004	2013	3	11	18	V	2.5	1	4.54	167
250051004	2013	3	11	19	V	2.3	1.1	4.24	164
250051004	2013	3	11	20	V	2.0	1	3.44	164
250051004	2013	3	11	21	V	2.3	1.2	2.93	170
250051004	2013	3	11	22	V	2.1	1	2.05	174
250051004	2013	3	11	23	V	2.6	1.2	2.9	188
250051004	2013	3	11	24	V	2.8	1	2.18	170
250051004	2013	3	12	1	V	5.5	1.2	1.91	146
250051004	2013	3	12	2	V	8.4	1.1	2.32	162
250051004	2013	3	12	3	V	4.7	1.5	2.93	154
250051004	2013	3	12	4	V	5.4	1.1	2.16	158

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	12	5	V	4.8	1.4	4.53	171
250051004	2013	3	12	6	V	5.0	1.5	5	172
250051004	2013	3	12	7	V	6.8	1.3	4.94	159
250051004	2013	3	12	8	V	6.1	1.2	3.66	157
250051004	2013	3	12	9	V	5.8	1.3	4.24	153
250051004	2013	3	12	10	V	5.4	1.4	4.7	158
250051004	2013	3	12	11	V	9.3	1.5	5.73	168
250051004	2013	3	12	12	V	7.8	1.3	5.04	169
250051004	2013	3	12	13	V	11.8	1.4	4.46	167
250051004	2013	3	12	14	V	8.3	1.3	4.76	157
250051004	2013	3	12	15	V	3.3	1.3	5.96	161
250051004	2013	3	12	16	V	2.3	1.4	7.79	166
250051004	2013	3	12	17	V	3.6	1.6	8.35	162
250051004	2013	3	12	18	V	2.5	1.6	8.35	168
250051004	2013	3	12	19	V	2.3	1.7	8.88	165
250051004	2013	3	12	20	V	2.0	1.7	8.95	184
250051004	2013	3	12	21	V	2.3	1.6	7.23	186
250051004	2013	3	12	22	V	2.1	1.7	4.39	205
250051004	2013	3	12	23	V	2.6	1.8	3.08	237
250051004	2013	3	12	24	V	2.8	1.8	3.52	279
250051004	2013	3	13	1	V	5.5	1.7	4.78	306
250051004	2013	3	13	2	V	8.4	1.8	4.12	318
250051004	2013	3	13	3	V	4.7	2	4.56	315
250051004	2013	3	13	4	V	5.4	3.6	4.75	311
250051004	2013	3	13	5	V	4.8	4.6	5.29	304
250051004	2013	3	13	6	V	5.0	3.2	4.9	308
250051004	2013	3	13	7	V	6.8	3.4	4.58	312
250051004	2013	3	13	8	V	6.3	4.7	4.87	310
250051004	2013	3	13	9	V	7.3	4.6	5.8	315
250051004	2013	3	13	10	V	5.6	2.3	5.97	309
250051004	2013	3	13	11	V	9.3	2.2	5.24	296
250051004	2013	3	13	12	V	7.8	2.2	5.28	291
250051004	2013	3	13	13	V	11.9	2.2	6.33	295
250051004	2013	3	13	14	V	8.4	2.3	6.13	294
250051004	2013	3	13	15	V	3.3	2.1	6.11	285
250051004	2013	3	13	16	V	2.4	2	6.01	296
250051004	2013	3	13	17	V	3.6	2	6.6	289
250051004	2013	3	13	18	V	2.5	1.8	5.45	306
250051004	2013	3	13	19	V	2.3	1.6	3.23	300
250051004	2013	3	13	20	V	2.0	2	2.27	291
250051004	2013	3	13	21	V	2.3	2.5	1.62	278
250051004	2013	3	13	22	V	2.1	2.3	1.62	255
250051004	2013	3	13	23	V	2.6	2.3	2.52	271
250051004	2013	3	13	24	V	2.8	2.4	2.62	268
250051004	2013	3	14	1	V	5.5	2.6	2.86	269
250051004	2013	3	14	2	V	8.4	2.8	2.81	260

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	14	3	V	4.7	2.4	2.28	257
250051004	2013	3	14	4	V	5.4	2.6	2.81	270
250051004	2013	3	14	5	V	4.8	2.6	2.71	269
250051004	2013	3	14	6	V	5.0	2.6	2.55	288
250051004	2013	3	14	7	V	6.8	2.5	3.37	297
250051004	2013	3	14	8	V	6.1	3.1	4.26	289
250051004	2013	3	14	9	V	5.8	2.4	5.24	277
250051004	2013	3	14	10	V	5.4	2.4	5.63	290
250051004	2013	3	14	11	V	9.3	2.9	5.94	289
250051004	2013	3	14	12	V	7.8	2.5	6.84	288
250051004	2013	3	14	13	V	11.9	2.3	8.15	291
250051004	2013	3	14	14	V	8.4	-999	7.89	295
250051004	2013	3	14	15	V	3.3	-999	7.86	301
250051004	2013	3	14	16	V	2.4	-999	8.44	292
250051004	2013	3	14	17	V	3.6	-999	9.15	295
250051004	2013	3	14	18	V	2.5	-999	10.27	306
250051004	2013	3	14	19	V	2.3	-999	9.13	304
250051004	2013	3	14	20	V	2.0	1.4	8.2	306
250051004	2013	3	14	21	V	2.3	3.9	8.32	313
250051004	2013	3	14	22	V	2.1	4.1	5.7	310
250051004	2013	3	14	23	V	2.6	1.8	4.27	304
250051004	2013	3	14	24	V	2.8	1.6	2.79	303
250051004	2013	3	15	1	V	5.5	1.9	4.42	311
250051004	2013	3	15	2	V	8.4	1.5	4.8	302
250051004	2013	3	15	3	V	4.7	1.5	7.09	305
250051004	2013	3	15	4	V	5.4	3.3	7.01	304
250051004	2013	3	15	5	V	4.8	3.7	7.45	306
250051004	2013	3	15	6	V	5.0	4.8	5.9	308
250051004	2013	3	15	7	V	6.8	30.9	4.92	303
250051004	2013	3	15	8	V	6.1	5.2	5.38	299
250051004	2013	3	15	9	V	6.0	3.4	5.7	305
250051004	2013	3	15	10	V	5.5	2	5.56	280
250051004	2013	3	15	11	V	9.4	1.8	5.63	277
250051004	2013	3	15	12	V	7.9	1.8	5.5	268
250051004	2013	3	15	13	V	11.9	2	5.51	258
250051004	2013	3	15	14	V	8.4	2.2	5.82	244
250051004	2013	3	15	15	V	3.4	1.9	5.7	240
250051004	2013	3	15	16	V	2.4	2	7.43	239
250051004	2013	3	15	17	V	3.6	2.3	7.67	249
250051004	2013	3	15	18	V	2.5	2.8	6.43	252
250051004	2013	3	15	19	V	2.3	3	5.6	255
250051004	2013	3	15	20	V	2.0	2.7	3.39	252
250051004	2013	3	15	21	V	2.3	2.9	3.13	253
250051004	2013	3	15	22	V	2.1	3	4.44	245
250051004	2013	3	15	23	V	2.6	2.9	3.98	275
250051004	2013	3	15	24	V	2.8	2.4	6.43	277

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	16	1	V	5.5	2.1	4.2	282
250051004	2013	3	16	2	V	8.4	2.3	3.18	285
250051004	2013	3	16	3	V	4.7	2.1	2.5	307
250051004	2013	3	16	4	V	5.4	2.1	3.44	301
250051004	2013	3	16	5	V	4.8	2.1	3.59	291
250051004	2013	3	16	6	V	5.0	2.2	3	286
250051004	2013	3	16	7	V	6.8	2.1	3.01	299
250051004	2013	3	16	8	V	6.1	2	4.17	301
250051004	2013	3	16	9	V	9.3	2	4.02	312
250051004	2013	3	16	10	V	6.6	2.4	3.61	307
250051004	2013	3	16	11	V	9.4	1.9	2.81	280
250051004	2013	3	16	12	V	9.0	1.9	2.03	294
250051004	2013	3	16	13	V	12.6	1.9	1.76	286
250051004	2013	3	16	14	V	8.6	2	2.21	284
250051004	2013	3	16	15	V	3.4	1.9	2.88	269
250051004	2013	3	16	16	V	2.5	1.7	4.1	185
250051004	2013	3	16	17	V	3.6	2	4.94	152
250051004	2013	3	16	18	V	2.5	1.8	4.24	164
250051004	2013	3	16	19	V	2.3	2.1	2.72	178
250051004	2013	3	16	20	V	2.0	1.9	1.47	180
250051004	2013	3	16	21	V	2.3	2.1	2.15	234
250051004	2013	3	16	22	V	2.1	2.2	3.3	256
250051004	2013	3	16	23	V	2.6	2	2.84	270
250051004	2013	3	16	24	V	2.8	2.1	2.54	268
250051004	2013	3	17	1	V	5.5	2.3	2.13	280
250051004	2013	3	17	2	V	8.4	2.3	3.4	314
250051004	2013	3	17	3	V	4.7	2.5	2.81	330
250051004	2013	3	17	4	V	5.4	2.7	2.81	322
250051004	2013	3	17	5	V	4.8	3.2	2.38	296
250051004	2013	3	17	6	V	5.0	4.3	2.18	279
250051004	2013	3	17	7	V	6.8	3.3	3.4	288
250051004	2013	3	17	8	V	6.1	2	4.83	305
250051004	2013	3	17	9	V	9.8	1.8	5.96	315
250051004	2013	3	17	10	V	18.7	3.1	6.36	320
250051004	2013	3	17	11	V	10.6	5.5	5.87	309
250051004	2013	3	17	12	V	15.0	2.4	7.04	316
250051004	2013	3	17	13	V	32.4	4	7.06	327
250051004	2013	3	17	14	V	30.3	7.4	6.13	329
250051004	2013	3	17	15	V	3.5	2.9	6.57	305
250051004	2013	3	17	16	V	5.2	4.1	6.53	314
250051004	2013	3	17	17	V	10.0	1.5	5.27	319
250051004	2013	3	17	18	V	2.7	1.8	4.56	326
250051004	2013	3	17	19	V	2.3	-999	2.86	325
250051004	2013	3	17	20	V	2.0	1.8	2.03	324
250051004	2013	3	17	21	V	2.3	1.5	1.93	295
250051004	2013	3	17	22	V	2.1	1.6	1.72	307

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	17	23	V	2.6	1.4	2.56	353
250051004	2013	3	17	24	V	2.8	1.5	3.76	12
250051004	2013	3	18	1	V	5.5	1.5	4.27	360
250051004	2013	3	18	2	V	8.4	2	4.92	13
250051004	2013	3	18	3	V	4.7	1.7	5.39	16
250051004	2013	3	18	4	V	5.4	1.6	5.5	7
250051004	2013	3	18	5	V	4.8	1.3	4.73	2
250051004	2013	3	18	6	V	5.0	1.3	3.61	359
250051004	2013	3	18	7	V	6.8	1.5	1.99	26
250051004	2013	3	18	8	V	6.1	1.2	4.15	23
250051004	2013	3	18	9	V	5.9	1.3	3.54	16
250051004	2013	3	18	10	V	5.9	1	1.86	41
250051004	2013	3	18	11	V	9.6	1.2	2.38	70
250051004	2013	3	18	12	V	8.3	1.2	2.03	94
250051004	2013	3	18	13	V	12.1	1.2	2.89	166
250051004	2013	3	18	14	V	8.4	1	4.09	174
250051004	2013	3	18	15	V	3.3	0.7	4.41	168
250051004	2013	3	18	16	V	2.3	0.8	4.68	163
250051004	2013	3	18	17	V	3.6	0.9	4.44	153
250051004	2013	3	18	18	V	2.5	0.9	3.97	146
250051004	2013	3	18	19	V	2.3	0.9	4.37	143
250051004	2013	3	18	20	V	2.0	1.2	4.73	138
250051004	2013	3	18	21	V	2.3	1.1	4.66	133
250051004	2013	3	18	22	V	2.1	1.1	4.56	125
250051004	2013	3	18	23	V	2.6	1	4.9	119
250051004	2013	3	18	24	V	2.8	1.2	5.36	90
250051004	2013	3	19	1	V	5.5	0.9	4.27	78
250051004	2013	3	19	2	V	8.4	1.2	4.82	82
250051004	2013	3	19	3	V	4.7	1.3	5.14	73
250051004	2013	3	19	4	V	5.4	1.4	5.44	63
250051004	2013	3	19	5	V	4.8	1.4	5.45	54
250051004	2013	3	19	6	V	5.0	1.4	5.6	61
250051004	2013	3	19	7	V	6.8	1.5	5.84	59
250051004	2013	3	19	8	V	6.1	1.6	6.01	56
250051004	2013	3	19	9	V	5.8	1.7	5.99	57
250051004	2013	3	19	10	V	5.4	1.7	6.04	55
250051004	2013	3	19	11	V	9.3	1.8	5.84	39
250051004	2013	3	19	12	V	7.8	2	6.16	44
250051004	2013	3	19	13	V	11.9	1.9	6.18	37
250051004	2013	3	19	14	V	8.4	1.9	5.48	351
250051004	2013	3	19	15	V	3.3	2	7.82	353
250051004	2013	3	19	16	V	2.3	2	7.88	1
250051004	2013	3	19	17	V	3.6	2.2	6.16	346
250051004	2013	3	19	18	V	3.0	2	4.94	327
250051004	2013	3	19	19	V	2.3	2.1	4.03	315
250051004	2013	3	19	20	V	2.0	2.1	4.65	286

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	19	21	V	2.3	1.9	5.36	292
250051004	2013	3	19	22	V	2.1	2.1	4.78	309
250051004	2013	3	19	23	V	2.6	2.3	3.86	308
250051004	2013	3	19	24	V	2.8	6	4.19	328
250051004	2013	3	20	1	V	5.5	3.2	2.52	297
250051004	2013	3	20	2	V	8.4	2.2	3.97	279
250051004	2013	3	20	3	V	4.7	2.8	5.12	285
250051004	2013	3	20	4	V	5.4	2.3	5.94	275
250051004	2013	3	20	5	V	4.8	2.1	5.92	270
250051004	2013	3	20	6	V	5.0	2.3	4.2	260
250051004	2013	3	20	7	V	6.8	2.7	3.85	268
250051004	2013	3	20	8	V	6.1	2.8	5.39	274
250051004	2013	3	20	9	V	5.8	2.4	7.74	269
250051004	2013	3	20	10	V	5.5	2.4	8.39	280
250051004	2013	3	20	11	V	9.3	2.3	8.27	276
250051004	2013	3	20	12	V	7.9	2	7.67	279
250051004	2013	3	20	13	V	11.9	2	7.96	276
250051004	2013	3	20	14	V	8.4	1.8	7.65	273
250051004	2013	3	20	15	V	3.4	2.2	7.04	288
250051004	2013	3	20	16	V	2.4	1.9	6.2	264
250051004	2013	3	20	17	V	3.6	2	6.09	264
250051004	2013	3	20	18	V	2.5	1.9	4.83	277
250051004	2013	3	20	19	V	2.3	-999	2.95	246
250051004	2013	3	20	20	V	2.0	2.2	1.93	190
250051004	2013	3	20	21	V	2.3	2.3	1.91	190
250051004	2013	3	20	22	V	2.1	2.5	1.82	223
250051004	2013	3	20	23	V	2.6	2.4	2.16	277
250051004	2013	3	20	24	V	2.8	2.4	1.96	276
250051004	2013	3	21	1	V	5.5	2.5	1.55	248
250051004	2013	3	21	2	V	8.4	2.7	1.76	278
250051004	2013	3	21	3	V	4.7	2.8	1.14	317
250051004	2013	3	21	4	V	5.4	3	1.84	355
250051004	2013	3	21	5	V	4.8	3.1	1.91	23
250051004	2013	3	21	6	V	5.0	3.2	2.86	353
250051004	2013	3	21	7	V	6.8	3.4	3.93	350
250051004	2013	3	21	8	V	6.1	4	4.83	350
250051004	2013	3	21	9	V	5.9	2.9	3.75	2
250051004	2013	3	21	10	V	5.5	2.6	3.61	3
250051004	2013	3	21	11	V	9.6	2.6	3.93	351
250051004	2013	3	21	12	V	8.1	2.5	4.88	352
250051004	2013	3	21	13	V	11.9	2.7	5.58	358
250051004	2013	3	21	14	V	8.5	2.7	5.22	354
250051004	2013	3	21	15	V	3.8	2.7	5.07	346
250051004	2013	3	21	16	V	2.4	2.6	4.46	353
250051004	2013	3	21	17	V	3.6	2.5	3.9	4
250051004	2013	3	21	18	V	2.5	2.4	4.95	346

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	21	19	V	2.3	2.8	3.95	351
250051004	2013	3	21	20	V	2.0	2.9	3.93	358
250051004	2013	3	21	21	V	2.3	2.5	2.59	15
250051004	2013	3	21	22	V	2.1	2.7	1.74	313
250051004	2013	3	21	23	V	2.6	2.6	2.45	280
250051004	2013	3	21	24	V	2.8	2.3	4.15	298
250051004	2013	3	22	1	V	5.5	2.6	5.5	303
250051004	2013	3	22	2	V	8.4	2.5	5.41	301
250051004	2013	3	22	3	V	4.7	2.5	5.22	297
250051004	2013	3	22	4	V	5.4	2.7	4.87	296
250051004	2013	3	22	5	V	4.8	4.4	3.81	299
250051004	2013	3	22	6	V	5.0	4	4.03	293
250051004	2013	3	22	7	V	6.8	3.6	4.17	294
250051004	2013	3	22	8	V	6.1	3.6	5.43	302
250051004	2013	3	22	9	V	6.0	3.2	5.34	304
250051004	2013	3	22	10	V	5.8	3.1	5.21	303
250051004	2013	3	22	11	V	9.7	2.8	5.67	303
250051004	2013	3	22	12	V	7.9	2.5	5.72	289
250051004	2013	3	22	13	V	11.9	2.2	7.04	282
250051004	2013	3	22	14	V	8.4	2.6	6.74	285
250051004	2013	3	22	15	V	3.3	2.2	6.69	283
250051004	2013	3	22	16	V	2.4	2.3	6.48	277
250051004	2013	3	22	17	V	3.6	2.4	6.35	284
250051004	2013	3	22	18	V	2.5	2	5.46	279
250051004	2013	3	22	19	V	2.3	2.2	4.39	279
250051004	2013	3	22	20	V	2.0	2.1	4.19	287
250051004	2013	3	22	21	V	2.3	2.1	6.74	280
250051004	2013	3	22	22	V	2.1	2.3	6.57	291
250051004	2013	3	22	23	V	2.6	2.1	5.56	288
250051004	2013	3	22	24	V	2.8	2.1	5.19	292
250051004	2013	3	23	1	V	5.5	2	5.44	289
250051004	2013	3	23	2	V	8.4	2	4.66	285
250051004	2013	3	23	3	V	4.7	2.4	3.54	292
250051004	2013	3	23	4	V	5.4	2.4	4.37	272
250051004	2013	3	23	5	V	4.8	2.3	3.52	267
250051004	2013	3	23	6	V	5.0	2.4	1.62	210
250051004	2013	3	23	7	V	6.8	2.4	3.47	259
250051004	2013	3	23	8	V	6.1	2.4	6.74	276
250051004	2013	3	23	9	V	5.8	2.4	8.57	287
250051004	2013	3	23	10	V	5.5	2.2	8.5	294
250051004	2013	3	23	11	V	9.3	2.1	8.1	300
250051004	2013	3	23	12	V	7.8	1.8	9.12	290
250051004	2013	3	23	13	V	11.9	1.9	8.81	285
250051004	2013	3	23	14	V	8.4	1.9	9.56	291
250051004	2013	3	23	15	V	3.3	2	10	293
250051004	2013	3	23	16	V	2.4	1.9	9.75	298

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	23	17	V	3.7	1.7	8.18	303
250051004	2013	3	23	18	V	2.5	1.6	7.94	306
250051004	2013	3	23	19	V	2.3	-999	5.96	296
250051004	2013	3	23	20	V	2.0	1.6	5.36	293
250051004	2013	3	23	21	V	2.3	1.8	5.17	292
250051004	2013	3	23	22	V	2.1	1.8	4.29	287
250051004	2013	3	23	23	V	2.6	1.9	4.44	277
250051004	2013	3	23	24	V	2.8	2	4.83	279
250051004	2013	3	24	1	V	5.5	1.9	5.8	273
250051004	2013	3	24	2	V	8.4	1.8	5.82	279
250051004	2013	3	24	3	V	4.7	1.9	5.48	275
250051004	2013	3	24	4	V	5.4	1.9	4.73	282
250051004	2013	3	24	5	V	4.8	2.1	3.97	283
250051004	2013	3	24	6	V	5.0	2	4.63	268
250051004	2013	3	24	7	V	6.8	2.2	4.63	276
250051004	2013	3	24	8	V	6.1	2.2	5.09	286
250051004	2013	3	24	9	V	5.9	1.8	5.97	288
250051004	2013	3	24	10	V	6.2	3	5.48	305
250051004	2013	3	24	11	V	13.5	4.6	4.39	308
250051004	2013	3	24	12	V	22.1	4.7	4.83	322
250051004	2013	3	24	13	V	21.3	9.8	4.71	327
250051004	2013	3	24	14	V	12.0	3.5	3.69	334
250051004	2013	3	24	15	V	4.6	2.4	3.3	351
250051004	2013	3	24	16	V	2.4	1.9	3.56	20
250051004	2013	3	24	17	V	3.6	1.9	4.48	25
250051004	2013	3	24	18	V	2.5	1.6	4.66	107
250051004	2013	3	24	19	V	2.3	1.7	3.08	152
250051004	2013	3	24	20	V	2.0	1.6	2.52	170
250051004	2013	3	24	21	V	2.3	1.8	2.15	192
250051004	2013	3	24	22	V	2.1	2	1.18	166
250051004	2013	3	24	23	V	2.6	2	0.74	86
250051004	2013	3	24	24	V	2.8	2.2	1.47	283
250051004	2013	3	25	1	V	5.5	2.1	0.67	315
250051004	2013	3	25	2	V	8.4	2.2	1.35	3
250051004	2013	3	25	3	V	4.7	-999	2.01	351
250051004	2013	3	25	4	V	5.4	-999	2.03	357
250051004	2013	3	25	5	V	4.8	2.8	2.78	6
250051004	2013	3	25	6	V	5.0	3.3	4.1	25
250051004	2013	3	25	7	V	6.8	3.3	4.75	28
250051004	2013	3	25	8	V	6.1	3.4	4.17	29
250051004	2013	3	25	9	V	5.8	3.1	5.79	43
250051004	2013	3	25	10	V	5.5	2.4	5.6	56
250051004	2013	3	25	11	V	9.3	2.1	6.77	70
250051004	2013	3	25	12	V	7.8	2.1	6.99	71
250051004	2013	3	25	13	V	11.9	2.2	7.6	64
250051004	2013	3	25	14	V	8.3	2.2	9.25	65

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	25	15	V	3.3	2	11	54
250051004	2013	3	25	16	V	2.3	1.9	9.92	59
250051004	2013	3	25	17	V	3.6	1.8	8.73	54
250051004	2013	3	25	18	V	2.5	2.5	8.11	50
250051004	2013	3	25	19	V	2.3	2.4	7.77	35
250051004	2013	3	25	20	V	2.0	2.2	6.02	32
250051004	2013	3	25	21	V	2.3	2.1	7.65	22
250051004	2013	3	25	22	V	2.1	2.3	7.42	22
250051004	2013	3	25	23	V	2.6	2.4	7.11	12
250051004	2013	3	25	24	V	2.8	2.2	6.58	356
250051004	2013	3	26	1	V	5.5	2.2	5.94	10
250051004	2013	3	26	2	V	8.4	2.2	5.92	351
250051004	2013	3	26	3	V	4.7	2.1	5.22	356
250051004	2013	3	26	4	V	5.4	2.1	3.81	357
250051004	2013	3	26	5	V	4.8	2.1	3.52	335
250051004	2013	3	26	6	V	5.0	4.1	3.66	331
250051004	2013	3	26	7	V	6.8	6.2	3.56	333
250051004	2013	3	26	8	V	7.2	5.7	4.31	341
250051004	2013	3	26	9	V	8.0	5	4.56	342
250051004	2013	3	26	10	V	6.6	6.1	4.92	345
250051004	2013	3	26	11	V	18.9	7.3	4.6	325
250051004	2013	3	26	12	V	14.0	3.2	5.05	319
250051004	2013	3	26	13	V	19.5	2.5	5.21	326
250051004	2013	3	26	14	V	8.4	2.3	5.34	294
250051004	2013	3	26	15	V	6.6	2	4.83	343
250051004	2013	3	26	16	V	2.4	4.9	5.12	293
250051004	2013	3	26	17	V	3.6	2.1	5.77	295
250051004	2013	3	26	18	V	2.5	2	5.12	278
250051004	2013	3	26	19	V	2.3	-999	3.41	269
250051004	2013	3	26	20	V	2.0	2	2.95	269
250051004	2013	3	26	21	V	2.3	2.1	2.62	268
250051004	2013	3	26	22	V	2.1	2.6	2.23	267
250051004	2013	3	26	23	V	2.6	2.3	2.08	269
250051004	2013	3	26	24	V	2.8	2.5	1.86	271
250051004	2013	3	27	1	V	5.5	2.5	2.66	280
250051004	2013	3	27	2	V	8.4	2.8	2.61	281
250051004	2013	3	27	3	V	4.7	2.9	2.79	270
250051004	2013	3	27	4	V	5.4	4.1	2.52	266
250051004	2013	3	27	5	V	4.8	4.3	2.66	265
250051004	2013	3	27	6	V	5.0	3.1	2.54	270
250051004	2013	3	27	7	V	6.8	3.6	2.61	284
250051004	2013	3	27	8	V	6.3	4.1	4.66	311
250051004	2013	3	27	9	V	8.4	2.8	4.44	311
250051004	2013	3	27	10	V	5.8	2.1	4.24	298
250051004	2013	3	27	11	V	9.6	2.4	5.55	300
250051004	2013	3	27	12	V	8.6	2.2	5.72	305

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	27	13	V	11.8	2	6.18	309
250051004	2013	3	27	14	V	8.3	1.9	5.56	305
250051004	2013	3	27	15	V	3.3	1.8	5.43	315
250051004	2013	3	27	16	V	2.3	1.8	7.04	297
250051004	2013	3	27	17	V	3.6	1.8	6.23	308
250051004	2013	3	27	18	V	2.5	1.6	5.39	316
250051004	2013	3	27	19	V	2.3	1.5	4.88	298
250051004	2013	3	27	20	V	2.0	1.5	4.95	301
250051004	2013	3	27	21	V	2.3	1.5	5.04	310
250051004	2013	3	27	22	V	2.1	1.6	5.04	312
250051004	2013	3	27	23	V	2.6	1.8	4.32	319
250051004	2013	3	27	24	V	2.8	1.9	3.69	316
250051004	2013	3	28	1	V	5.5	1.9	3.63	320
250051004	2013	3	28	2	V	8.4	1.5	5.12	345
250051004	2013	3	28	3	V	4.7	1.6	5.16	341
250051004	2013	3	28	4	V	5.4	1.6	3.91	337
250051004	2013	3	28	5	V	4.8	1.6	4.29	337
250051004	2013	3	28	6	V	5.0	2.6	4.32	335
250051004	2013	3	28	7	V	7.0	5.5	4.54	338
250051004	2013	3	28	8	V	6.1	4.9	5.63	345
250051004	2013	3	28	9	V	5.8	2.9	6.52	10
250051004	2013	3	28	10	V	5.5	2.3	5.97	13
250051004	2013	3	28	11	V	9.3	1.8	4.66	37
250051004	2013	3	28	12	V	7.8	1.6	4.15	29
250051004	2013	3	28	13	V	11.9	1.5	5.07	27
250051004	2013	3	28	14	V	8.4	1.9	3.49	12
250051004	2013	3	28	15	V	4.1	1.9	3	348
250051004	2013	3	28	16	V	2.4	1.8	2.57	45
250051004	2013	3	28	17	V	3.7	1.9	2.05	54
250051004	2013	3	28	18	V	2.5	2	1.84	140
250051004	2013	3	28	19	V	2.3	2.5	1.62	215
250051004	2013	3	28	20	V	2.0	2.2	1.47	223
250051004	2013	3	28	21	V	2.3	2.2	1.7	247
250051004	2013	3	28	22	V	2.1	2.2	1.54	257
250051004	2013	3	28	23	V	2.6	2.2	1.86	259
250051004	2013	3	28	24	V	2.8	2.3	1.91	272
250051004	2013	3	29	1	V	5.5	2.2	1.48	251
250051004	2013	3	29	2	V	8.4	2.3	1.72	261
250051004	2013	3	29	3	V	4.7	2.1	3.34	301
250051004	2013	3	29	4	V	5.4	2	3.1	293
250051004	2013	3	29	5	V	4.8	2.2	2.32	278
250051004	2013	3	29	6	V	5.0	2.2	2.45	285
250051004	2013	3	29	7	V	6.8	2.7	2.93	282
250051004	2013	3	29	8	V	6.1	2.6	3.54	299
250051004	2013	3	29	9	V	5.8	3.4	3.66	322
250051004	2013	3	29	10	V	5.4	3.2	4.05	338

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	29	11	V	9.3	2.1	3.91	321
250051004	2013	3	29	12	V	7.8	2	4.07	316
250051004	2013	3	29	13	V	11.8	1.6	3.93	321
250051004	2013	3	29	14	V	8.3	1.6	2.06	202
250051004	2013	3	29	15	V	3.3	1.3	3.3	115
250051004	2013	3	29	16	V	2.3	1.7	3.27	212
250051004	2013	3	29	17	V	3.6	1.7	4.14	323
250051004	2013	3	29	18	V	2.5	1.6	5.38	307
250051004	2013	3	29	19	V	2.3	-999	3.44	294
250051004	2013	3	29	20	V	2.0	1.3	3.17	302
250051004	2013	3	29	21	V	2.3	1.6	3.61	315
250051004	2013	3	29	22	V	2.1	2.7	4.48	315
250051004	2013	3	29	23	V	2.6	4.1	3.81	309
250051004	2013	3	29	24	V	2.8	4.7	3.49	319
250051004	2013	3	30	1	V	5.5	4.7	3.88	331
250051004	2013	3	30	2	V	8.4	3.3	3.29	326
250051004	2013	3	30	3	V	4.7	3.8	3.15	322
250051004	2013	3	30	4	V	5.4	4.3	3.3	323
250051004	2013	3	30	5	V	4.8	2.6	4.09	314
250051004	2013	3	30	6	V	5.0	2.9	3.51	311
250051004	2013	3	30	7	V	6.9	5.5	3.61	314
250051004	2013	3	30	8	V	9.0	15.6	4.09	323
250051004	2013	3	30	9	V	9.5	3.7	4.92	333
250051004	2013	3	30	10	V	7.4	3.9	4.77	333
250051004	2013	3	30	11	V	10.9	3.1	4.95	323
250051004	2013	3	30	12	V	8.7	2.1	4.75	314
250051004	2013	3	30	13	V	12.3	1.8	5.26	308
250051004	2013	3	30	14	V	9.6	1.3	4.82	336
250051004	2013	3	30	15	V	4.6	1.9	3.59	325
250051004	2013	3	30	16	V	3.0	1.5	4.08	309
250051004	2013	3	30	17	V	5.6	1.5	3.74	330
250051004	2013	3	30	18	V	2.5	1.5	4.83	300
250051004	2013	3	30	19	V	2.3	1.6	3.32	303
250051004	2013	3	30	20	V	2.0	1.7	2.66	292
250051004	2013	3	30	21	V	2.3	1.8	2.54	270
250051004	2013	3	30	22	V	2.1	1.8	1.87	270
250051004	2013	3	30	23	V	2.6	1.4	1.76	260
250051004	2013	3	30	24	V	2.8	2	2.18	276
250051004	2013	3	31	1	V	5.5	2.2	1.31	264
250051004	2013	3	31	2	V	8.4	2.2	1.37	253
250051004	2013	3	31	3	V	4.7	2.1	1.4	254
250051004	2013	3	31	4	V	5.4	1.9	1.06	246
250051004	2013	3	31	5	V	4.8	1.8	1.06	254
250051004	2013	3	31	6	V	5.0	1.6	1.52	259
250051004	2013	3	31	7	V	6.8	2.5	0.92	219
250051004	2013	3	31	8	V	6.1	3.1	0.53	150

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	3	31	9	V	5.8	2.1	2.52	175
250051004	2013	3	31	10	V	5.4	2	5.65	153
250051004	2013	3	31	11	V	9.3	1.8	6.75	150
250051004	2013	3	31	12	V	7.8	2.1	6.31	168
250051004	2013	3	31	13	V	11.8	2	8.37	207
250051004	2013	3	31	14	V	8.3	1.9	9.29	209
250051004	2013	3	31	15	V	3.3	1.8	8.61	204
250051004	2013	3	31	16	V	2.3	1.9	7.57	194
250051004	2013	3	31	17	V	3.6	1.9	4.37	149
250051004	2013	3	31	18	V	2.5	1.8	4.02	159
250051004	2013	3	31	19	V	2.3	1.9	3.35	165
250051004	2013	3	31	20	V	2.0	1.5	3.56	132
250051004	2013	3	31	21	V	2.3	1.7	7.57	151
250051004	2013	3	31	22	V	2.1	1.7	7.2	140
250051004	2013	3	31	23	V	2.6	1.9	6.77	134
250051004	2013	3	31	24	V	2.8	2.1	7.04	123
250051004	2013	4	1	1	V	5.5	2.2	6.31	150
250051004	2013	4	1	2	V	8.4	4.4	3.83	199
250051004	2013	4	1	3	V	4.7	3.7	4.51	245
250051004	2013	4	1	4	V	5.4	3	5.27	262
250051004	2013	4	1	5	V	4.8	2.5	5.51	274
250051004	2013	4	1	6	V	5.0	2.4	4.92	288
250051004	2013	4	1	7	V	6.8	2.6	5.04	281
250051004	2013	4	1	8	V	6.1	2.8	4.22	261
250051004	2013	4	1	9	V	5.8	2.9	4.46	261
250051004	2013	4	1	10	V	5.5	2.7	4.12	255
250051004	2013	4	1	11	V	9.4	4.3	4.34	227
250051004	2013	4	1	12	V	7.8	6	6.7	191
250051004	2013	4	1	13	V	11.9	5.1	8.81	188
250051004	2013	4	1	14	V	8.4	2.8	8.49	217
250051004	2013	4	1	15	V	3.3	2.6	8.91	213
250051004	2013	4	1	16	V	2.3	2.7	10.39	240
250051004	2013	4	1	17	V	3.6	2.1	6.5	289
250051004	2013	4	1	18	V	2.5	2	7.52	300
250051004	2013	4	1	19	V	2.3	-999	6.35	298
250051004	2013	4	1	20	V	2.0	1.6	5.82	306
250051004	2013	4	1	21	V	2.3	1.8	7.13	307
250051004	2013	4	1	22	V	2.1	2	6.75	302
250051004	2013	4	1	23	V	2.6	2	5.04	298
250051004	2013	4	1	24	V	2.8	2.1	4.65	300
250051004	2013	4	2	1	V	5.5	2.1	5.7	304
250051004	2013	4	2	2	V	8.4	2	4.92	297
250051004	2013	4	2	3	V	4.7	1.8	3.47	289
250051004	2013	4	2	4	V	5.4	1.9	3.05	283
250051004	2013	4	2	5	V	4.8	2.1	2.32	264
250051004	2013	4	2	6	V	5.0	2.4	2.49	210

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	2	7	V	6.8	2.2	3.08	245
250051004	2013	4	2	8	V	6.1	2.3	4.44	261
250051004	2013	4	2	9	V	5.8	2.3	6.47	273
250051004	2013	4	2	10	V	5.5	2.3	6.74	272
250051004	2013	4	2	11	V	9.3	2	6.5	268
250051004	2013	4	2	12	V	7.8	2.2	6.57	277
250051004	2013	4	2	13	V	11.9	6.1	7.25	270
250051004	2013	4	2	14	V	8.4	2.1	8.79	265
250051004	2013	4	2	15	V	3.3	2	8.64	285
250051004	2013	4	2	16	V	2.4	2	8.17	290
250051004	2013	4	2	17	V	3.6	1.8	8.13	292
250051004	2013	4	2	18	V	2.5	1.7	7.93	287
250051004	2013	4	2	19	V	2.3	1.8	6.06	286
250051004	2013	4	2	20	V	2.0	2	3.27	297
250051004	2013	4	2	21	V	2.3	1.9	2.71	287
250051004	2013	4	2	22	V	2.1	1.9	3.49	268
250051004	2013	4	2	23	V	2.6	2	2.49	245
250051004	2013	4	2	24	V	2.8	2	2.61	246
250051004	2013	4	3	1	V	5.5	1.9	5.94	274
250051004	2013	4	3	2	V	8.4	1.9	5.87	269
250051004	2013	4	3	3	V	4.7	2	3.98	275
250051004	2013	4	3	4	V	5.4	1.8	4.25	271
250051004	2013	4	3	5	V	4.8	2.1	6.06	280
250051004	2013	4	3	6	V	5.0	2.2	6.19	279
250051004	2013	4	3	7	V	6.9	2.2	6.57	275
250051004	2013	4	3	8	V	6.1	2	8.08	287
250051004	2013	4	3	9	V	5.9	2.4	7.66	296
250051004	2013	4	3	10	V	5.5	2.4	8.52	292
250051004	2013	4	3	11	V	9.4	2.1	8.79	291
250051004	2013	4	3	12	V	7.9	2	8.34	287
250051004	2013	4	3	13	V	11.9	1.8	8.67	289
250051004	2013	4	3	14	V	8.4	2.3	8.42	280
250051004	2013	4	3	15	V	3.3	2.2	8.88	292
250051004	2013	4	3	16	V	2.4	2.2	8.23	291
250051004	2013	4	3	17	V	3.6	2	8.78	283
250051004	2013	4	3	18	V	2.5	1.6	8.17	289
250051004	2013	4	3	19	V	2.3	1.5	7.23	297
250051004	2013	4	3	20	V	2.0	1.7	7.28	296
250051004	2013	4	3	21	V	2.3	1.9	7.14	298
250051004	2013	4	3	22	V	2.1	1.6	6.23	295
250051004	2013	4	3	23	V	2.6	1.8	5.77	296
250051004	2013	4	3	24	V	2.8	1.5	4.87	295
250051004	2013	4	4	1	V	5.5	1.6	4.58	298
250051004	2013	4	4	2	V	8.4	1.7	4.83	309
250051004	2013	4	4	3	V	4.7	2.1	4.05	316
250051004	2013	4	4	4	V	5.4	13.3	3.54	304

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	4	5	V	4.8	3.1	3.2	290
250051004	2013	4	4	6	V	5.0	1.9	3.54	272
250051004	2013	4	4	7	V	6.8	1.9	3.47	255
250051004	2013	4	4	8	V	6.1	1.7	4.63	271
250051004	2013	4	4	9	V	5.9	1.7	4.82	287
250051004	2013	4	4	10	V	5.6	1.6	3.07	284
250051004	2013	4	4	11	V	9.6	1.6	2.79	279
250051004	2013	4	4	12	V	8.0	1.9	3.69	191
250051004	2013	4	4	13	V	11.9	2.9	5.38	151
250051004	2013	4	4	14	V	8.4	1.7	4	176
250051004	2013	4	4	15	V	3.3	1.7	5.84	219
250051004	2013	4	4	16	V	2.4	8	6.75	204
250051004	2013	4	4	17	V	3.6	2.1	7.23	210
250051004	2013	4	4	18	V	2.5	1.6	6.07	212
250051004	2013	4	4	19	V	2.3	1.4	5.63	207
250051004	2013	4	4	20	V	2.0	1.4	5.79	208
250051004	2013	4	4	21	V	2.3	1.5	4.75	212
250051004	2013	4	4	22	V	2.1	1.5	5.07	206
250051004	2013	4	4	23	V	2.6	1.5	4.66	207
250051004	2013	4	4	24	V	2.8	1.6	4.99	205
250051004	2013	4	5	1	V	5.5	1.6	4.07	204
250051004	2013	4	5	2	V	8.4	3.7	3.69	205
250051004	2013	4	5	3	V	4.7	2.5	3.47	201
250051004	2013	4	5	4	V	5.4	2.9	3.63	204
250051004	2013	4	5	5	V	4.8	3	3.25	205
250051004	2013	4	5	6	V	5.0	4.6	2.78	210
250051004	2013	4	5	7	V	6.8	5.4	2.93	199
250051004	2013	4	5	8	V	6.1	6.2	2.23	198
250051004	2013	4	5	9	V	6.1	7.3	2.23	196
250051004	2013	4	5	10	V	5.6	3.7	2.1	188
250051004	2013	4	5	11	V	9.5	2.9	2.27	215
250051004	2013	4	5	12	V	8.1	2.6	2.3	205
250051004	2013	4	5	13	V	18.4	2.6	2.23	313
250051004	2013	4	5	14	V	13.6	2.5	2.64	313
250051004	2013	4	5	15	V	3.5	2.7	2.64	197
250051004	2013	4	5	16	V	4.5	2.8	4.19	310
250051004	2013	4	5	17	V	3.6	2.7	4.61	250
250051004	2013	4	5	18	V	2.5	2.4	7.03	310
250051004	2013	4	5	19	V	2.3	2.3	6.18	301
250051004	2013	4	5	20	V	2.0	2	6.69	292
250051004	2013	4	5	21	V	2.3	2.2	8.11	299
250051004	2013	4	5	22	V	2.1	1.8	7.93	299
250051004	2013	4	5	23	V	2.6	1.7	7.08	307
250051004	2013	4	5	24	V	2.8	2	5.21	306
250051004	2013	4	6	1	V	5.5	1.7	4.05	298
250051004	2013	4	6	2	V	8.4	1.7	4.05	301

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	6	3	V	4.7	2.7	4.7	300
250051004	2013	4	6	4	V	5.4	2.5	4.29	301
250051004	2013	4	6	5	V	4.8	3	5.7	316
250051004	2013	4	6	6	V	5.0	1.6	6.26	318
250051004	2013	4	6	7	V	11.5	2.9	5.73	321
250051004	2013	4	6	8	V	15.8	2.5	6.65	323
250051004	2013	4	6	9	V	7.4	1.4	8.5	342
250051004	2013	4	6	10	V	7.2	1.7	8	343
250051004	2013	4	6	11	V	18.6	2.4	6.96	332
250051004	2013	4	6	12	V	9.4	1.5	7.23	345
250051004	2013	4	6	13	V	18.8	1.4	5.48	335
250051004	2013	4	6	14	V	13.7	1.6	5.51	318
250051004	2013	4	6	15	V	6.4	2.2	4.77	314
250051004	2013	4	6	16	V	3.8	1.7	3.76	307
250051004	2013	4	6	17	V	7.5	1.3	3.01	316
250051004	2013	4	6	18	V	2.5	1	4.51	154
250051004	2013	4	6	19	V	2.3	1	3.9	175
250051004	2013	4	6	20	V	2.0	1.1	2.39	191
250051004	2013	4	6	21	V	2.3	1.3	2.01	190
250051004	2013	4	6	22	V	2.1	1.4	2.71	256
250051004	2013	4	6	23	V	2.6	1.6	2.74	271
250051004	2013	4	6	24	V	2.8	1.5	1.26	33
250051004	2013	4	7	1	V	5.5	1.4	1.55	231
250051004	2013	4	7	2	V	8.4	1.7	0.94	274
250051004	2013	4	7	3	V	4.7	1.6	1.55	251
250051004	2013	4	7	4	V	5.4	1.4	1.09	223
250051004	2013	4	7	5	V	4.8	1.3	1.65	254
250051004	2013	4	7	6	V	5.0	1.3	1.14	252
250051004	2013	4	7	7	V	7.4	1.6	1.03	216
250051004	2013	4	7	8	V	6.3	1.4	2.55	177
250051004	2013	4	7	9	V	5.8	1.4	7.15	195
250051004	2013	4	7	10	V	5.5	1.6	8.56	187
250051004	2013	4	7	11	V	9.3	1.4	8.76	184
250051004	2013	4	7	12	V	7.8	1.4	7.91	175
250051004	2013	4	7	13	V	11.9	1.4	8.67	172
250051004	2013	4	7	14	V	8.3	1.5	8.79	170
250051004	2013	4	7	15	V	3.3	1.5	9.85	197
250051004	2013	4	7	16	V	2.3	1.5	10.85	201
250051004	2013	4	7	17	V	3.6	1.5	9.88	191
250051004	2013	4	7	18	V	2.5	1.4	8.44	183
250051004	2013	4	7	19	V	2.3	1.5	5.82	199
250051004	2013	4	7	20	V	2.0	1.5	7.28	200
250051004	2013	4	7	21	V	2.3	1.4	6.5	201
250051004	2013	4	7	22	V	2.1	1.6	5.53	207
250051004	2013	4	7	23	V	2.6	1.6	5.09	213
250051004	2013	4	7	24	V	2.8	1.8	5.14	212

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	8	1	V	5.5	1.4	4.53	209
250051004	2013	4	8	2	V	8.4	-999	4.42	206
250051004	2013	4	8	3	V	4.7	-999	3.68	204
250051004	2013	4	8	4	V	5.4	3.1	2.45	188
250051004	2013	4	8	5	V	4.8	4.1	1.65	190
250051004	2013	4	8	6	V	5.0	4.7	1.59	223
250051004	2013	4	8	7	V	6.8	2.7	2.1	257
250051004	2013	4	8	8	V	6.2	3	2.35	285
250051004	2013	4	8	9	V	17.3	2.8	2.67	318
250051004	2013	4	8	10	V	13.1	3	3.22	322
250051004	2013	4	8	11	V	18.9	2.4	3.44	324
250051004	2013	4	8	12	V	8.0	1.8	3.18	287
250051004	2013	4	8	13	V	11.9	1.6	5.58	157
250051004	2013	4	8	14	V	8.4	1.6	6.19	155
250051004	2013	4	8	15	V	3.3	1.7	6.21	156
250051004	2013	4	8	16	V	2.4	1.8	5.84	155
250051004	2013	4	8	17	V	3.6	1.8	4.22	153
250051004	2013	4	8	18	V	2.5	1.9	4.19	158
250051004	2013	4	8	19	V	2.3	1.7	2.66	146
250051004	2013	4	8	20	V	2.0	1.6	3.03	140
250051004	2013	4	8	21	V	2.3	1.5	2.37	154
250051004	2013	4	8	22	V	2.1	1.4	1.84	165
250051004	2013	4	8	23	V	2.6	1.6	3.95	166
250051004	2013	4	8	24	V	2.8	1.5	3.95	161
250051004	2013	4	9	1	V	5.5	1.7	3.93	153
250051004	2013	4	9	2	V	8.4	1.9	2.18	140
250051004	2013	4	9	3	V	4.7	1.8	3.68	164
250051004	2013	4	9	4	V	5.4	2	5.75	166
250051004	2013	4	9	5	V	4.8	1.7	5.56	174
250051004	2013	4	9	6	V	5.0	1.8	2.45	182
250051004	2013	4	9	7	V	6.8	4.8	1.43	150
250051004	2013	4	9	8	V	6.1	7.7	2.18	183
250051004	2013	4	9	9	V	6.2	4.2	2.61	208
250051004	2013	4	9	10	V	5.5	2.9	4.54	237
250051004	2013	4	9	11	V	9.3	3.8	6.64	264
250051004	2013	4	9	12	V	7.8	2.4	6.06	274
250051004	2013	4	9	13	V	11.9	2.4	7.89	298
250051004	2013	4	9	14	V	8.4	2	8.1	297
250051004	2013	4	9	15	V	3.3	1.9	8.22	297
250051004	2013	4	9	16	V	2.4	1.9	6.79	300
250051004	2013	4	9	17	V	3.6	1.8	5.5	297
250051004	2013	4	9	18	V	6.3	2	4.59	323
250051004	2013	4	9	19	V	2.3	-999	3.88	307
250051004	2013	4	9	20	V	2.0	1.7	2.15	309
250051004	2013	4	9	21	V	2.3	1.6	2.47	11
250051004	2013	4	9	22	V	2.1	1.5	3.8	119

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	9	23	V	2.6	1.4	3.52	126
250051004	2013	4	9	24	V	2.8	1.4	3.39	151
250051004	2013	4	10	1	V	5.5	1.6	3.51	165
250051004	2013	4	10	2	V	8.4	1.8	2.27	143
250051004	2013	4	10	3	V	4.7	1.7	4.41	17
250051004	2013	4	10	4	V	5.4	1.7	3.8	69
250051004	2013	4	10	5	V	4.8	1.9	2.89	62
250051004	2013	4	10	6	V	5.0	1.9	3.69	11
250051004	2013	4	10	7	V	6.8	-999	3.37	23
250051004	2013	4	10	8	V	6.1	-999	3.07	30
250051004	2013	4	10	9	V	6.5	1.9	1.55	55
250051004	2013	4	10	10	V	7.0	2	1.5	21
250051004	2013	4	10	11	V	20.0	-999	1.53	324
250051004	2013	4	10	12	V	8.1	-999	2.49	32
250051004	2013	4	10	13	V	12.2	1.5	2.35	16
250051004	2013	4	10	14	V	9.6	1.8	1.48	212
250051004	2013	4	10	15	V	3.4	4.1	2.79	131
250051004	2013	4	10	16	V	2.3	2	5.58	168
250051004	2013	4	10	17	V	3.6	1.9	7.26	170
250051004	2013	4	10	18	V	2.5	1.8	6.02	163
250051004	2013	4	10	19	V	2.3	1.9	5.73	172
250051004	2013	4	10	20	V	2.0	1.7	4.59	181
250051004	2013	4	10	21	V	2.3	1.6	3	127
250051004	2013	4	10	22	V	2.1	1.7	2.78	142
250051004	2013	4	10	23	V	2.6	1.6	1.57	146
250051004	2013	4	10	24	V	2.8	1.9	2.4	146
250051004	2013	4	11	1	V	5.5	1.8	1.99	147
250051004	2013	4	11	2	V	8.4	1.9	1.14	1
250051004	2013	4	11	3	V	4.7	1.7	0.53	58
250051004	2013	4	11	4	V	5.4	1.9	2.13	353
250051004	2013	4	11	5	V	4.8	1.8	3.29	339
250051004	2013	4	11	6	V	5.0	2.1	4.53	342
250051004	2013	4	11	7	V	6.8	2.1	5.1	351
250051004	2013	4	11	8	V	6.1	2	4.99	359
250051004	2013	4	11	9	V	5.8	1.9	5.46	359
250051004	2013	4	11	10	V	5.4	1.8	5.21	18
250051004	2013	4	11	11	V	9.3	1.8	5.34	19
250051004	2013	4	11	12	V	7.8	1.7	5.55	32
250051004	2013	4	11	13	V	11.8	1.7	5.97	14
250051004	2013	4	11	14	V	8.3	1.5	4.51	7
250051004	2013	4	11	15	V	3.3	1.7	3.34	41
250051004	2013	4	11	16	V	2.3	1.8	3.78	116
250051004	2013	4	11	17	V	3.6	1.8	3.69	146
250051004	2013	4	11	18	V	2.5	1.7	4.42	156
250051004	2013	4	11	19	V	2.3	1.7	3.06	123
250051004	2013	4	11	20	V	2.0	1.7	4.8	114

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	11	21	V	2.3	1.4	3.08	98
250051004	2013	4	11	22	V	2.1	1.5	2.21	133
250051004	2013	4	11	23	V	2.6	1.6	2.16	116
250051004	2013	4	11	24	V	2.8	1.6	3.47	61
250051004	2013	4	12	1	V	5.5	1.4	3.93	65
250051004	2013	4	12	2	V	8.4	1.5	4.44	59
250051004	2013	4	12	3	V	4.7	1.6	4.85	60
250051004	2013	4	12	4	V	5.4	1.6	5.02	59
250051004	2013	4	12	5	V	4.8	1.7	5.22	57
250051004	2013	4	12	6	V	5.0	1.7	5.9	70
250051004	2013	4	12	7	V	6.8	1.8	6.81	78
250051004	2013	4	12	8	V	6.1	1.9	7.13	82
250051004	2013	4	12	9	V	5.8	1.7	8.03	86
250051004	2013	4	12	10	V	5.4	1.6	8.06	94
250051004	2013	4	12	11	V	9.3	1.7	8.56	102
250051004	2013	4	12	12	V	7.8	1.7	7.33	99
250051004	2013	4	12	13	V	11.9	1.5	5.21	88
250051004	2013	4	12	14	V	8.3	1.7	6.35	91
250051004	2013	4	12	15	V	3.3	1.8	5.92	70
250051004	2013	4	12	16	V	2.3	1.8	4.99	51
250051004	2013	4	12	17	V	3.6	1.8	5.73	40
250051004	2013	4	12	18	V	2.5	2	6.02	32
250051004	2013	4	12	19	V	2.3	-999	6.29	27
250051004	2013	4	12	20	V	2.0	2	7.14	22
250051004	2013	4	12	21	V	2.3	2.1	7.3	17
250051004	2013	4	12	22	V	2.1	2.2	7.62	19
250051004	2013	4	12	23	V	2.6	2.1	7.18	18
250051004	2013	4	12	24	V	2.8	2.2	7.06	15
250051004	2013	4	13	1	V	5.5	2.1	7.71	14
250051004	2013	4	13	2	V	8.4	1.9	8.13	2
250051004	2013	4	13	3	V	4.7	2.1	7.35	22
250051004	2013	4	13	4	V	5.4	2.1	7.23	9
250051004	2013	4	13	5	V	4.8	2.1	6.67	2
250051004	2013	4	13	6	V	5.0	2	6.46	1
250051004	2013	4	13	7	V	6.8	2.1	6.45	1
250051004	2013	4	13	8	V	6.1	2	5.99	358
250051004	2013	4	13	9	V	5.8	1.9	4.34	352
250051004	2013	4	13	10	V	5.4	1.9	3.93	345
250051004	2013	4	13	11	V	9.3	2.2	2.44	334
250051004	2013	4	13	12	V	7.8	2.3	2.4	322
250051004	2013	4	13	13	V	11.8	2.2	4.92	299
250051004	2013	4	13	14	V	8.3	2.1	4.97	299
250051004	2013	4	13	15	V	3.3	2.2	3.88	274
250051004	2013	4	13	16	V	2.3	2.1	3.34	273
250051004	2013	4	13	17	V	3.6	1.9	4.1	291
250051004	2013	4	13	18	V	2.5	2.1	5.21	283

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	13	19	V	2.3	2.1	2.95	286
250051004	2013	4	13	20	V	2.0	2.2	2.67	275
250051004	2013	4	13	21	V	2.3	2.5	2.13	252
250051004	2013	4	13	22	V	2.1	2.1	2.57	248
250051004	2013	4	13	23	V	2.6	2.1	2.15	234
250051004	2013	4	13	24	V	2.8	2.1	1.43	209
250051004	2013	4	14	1	V	5.5	2	3.15	239
250051004	2013	4	14	2	V	8.4	2.1	3.42	265
250051004	2013	4	14	3	V	4.7	2.2	2.44	270
250051004	2013	4	14	4	V	5.4	2.1	2.91	250
250051004	2013	4	14	5	V	4.8	2	2.73	255
250051004	2013	4	14	6	V	5.0	2.3	2.71	248
250051004	2013	4	14	7	V	6.8	2.5	3.32	254
250051004	2013	4	14	8	V	6.1	2.5	3.69	280
250051004	2013	4	14	9	V	5.8	2.6	3.37	262
250051004	2013	4	14	10	V	5.4	2.4	5.09	283
250051004	2013	4	14	11	V	9.3	2	6.43	303
250051004	2013	4	14	12	V	7.8	3	6.28	306
250051004	2013	4	14	13	V	11.8	2	6.72	298
250051004	2013	4	14	14	V	8.3	1.8	6.23	303
250051004	2013	4	14	15	V	3.3	1.6	6.4	300
250051004	2013	4	14	16	V	2.3	1.1	7.28	306
250051004	2013	4	14	17	V	3.6	1.6	7.76	301
250051004	2013	4	14	18	V	2.5	1.7	6.33	310
250051004	2013	4	14	19	V	2.3	1.6	5.48	319
250051004	2013	4	14	20	V	2.0	1.5	3.68	307
250051004	2013	4	14	21	V	2.3	1.4	3.01	296
250051004	2013	4	14	22	V	2.1	1.5	2.23	285
250051004	2013	4	14	23	V	2.6	1.6	2.67	282
250051004	2013	4	14	24	V	2.8	1.7	2.84	304
250051004	2013	4	15	1	V	5.5	5.9	2.81	289
250051004	2013	4	15	2	V	8.4	2.6	2.35	317
250051004	2013	4	15	3	V	4.7	2	2.54	359
250051004	2013	4	15	4	V	5.4	1.9	3.25	347
250051004	2013	4	15	5	V	4.8	1.7	2.21	332
250051004	2013	4	15	6	V	5.0	1.8	1.93	319
250051004	2013	4	15	7	V	6.8	1.9	2.01	344
250051004	2013	4	15	8	V	6.2	1.8	1.98	5
250051004	2013	4	15	9	V	6.0	2	2.25	57
250051004	2013	4	15	10	V	5.8	1.7	1.64	108
250051004	2013	4	15	11	V	9.5	1.5	2.15	181
250051004	2013	4	15	12	V	7.9	1.4	2.52	149
250051004	2013	4	15	13	V	11.9	2.1	5.36	151
250051004	2013	4	15	14	V	8.3	1.4	6.3	154
250051004	2013	4	15	15	V	3.3	1.3	6.5	153
250051004	2013	4	15	16	V	2.3	1.3	5.97	153

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	15	17	V	3.6	1.2	5.68	153
250051004	2013	4	15	18	V	2.5	1.3	5.09	153
250051004	2013	4	15	19	V	2.3	-999	3.66	158
250051004	2013	4	15	20	V	2.0	0.9	3.85	155
250051004	2013	4	15	21	V	2.3	0.9	3.56	177
250051004	2013	4	15	22	V	2.1	1.2	2.33	175
250051004	2013	4	15	23	V	2.6	1.2	1.96	193
250051004	2013	4	15	24	V	2.8	1.3	1.82	199
250051004	2013	4	16	1	V	5.5	1.2	1.14	184
250051004	2013	4	16	2	V	8.4	1.2	0.84	218
250051004	2013	4	16	3	C	-999	1.3	0	0
250051004	2013	4	16	4	V	5.4	1.2	0.52	65
250051004	2013	4	16	5	V	4.8	1.3	1.04	226
250051004	2013	4	16	6	V	5.0	1.4	1.31	250
250051004	2013	4	16	7	V	6.9	1.4	2.23	195
250051004	2013	4	16	8	V	6.1	1.4	4.22	171
250051004	2013	4	16	9	V	5.8	1.3	5.67	157
250051004	2013	4	16	10	V	5.4	1.4	7.18	156
250051004	2013	4	16	11	V	9.3	4.4	7.74	163
250051004	2013	4	16	12	V	7.8	3.4	7.65	155
250051004	2013	4	16	13	V	11.9	4.3	8.16	160
250051004	2013	4	16	14	V	8.4	2	7.01	158
250051004	2013	4	16	15	V	3.3	1.4	8.5	188
250051004	2013	4	16	16	V	2.3	1.5	9.05	196
250051004	2013	4	16	17	V	3.6	1.4	8.95	195
250051004	2013	4	16	18	V	2.5	1.6	9.08	199
250051004	2013	4	16	19	V	2.3	1.4	7.91	210
250051004	2013	4	16	20	V	2.0	1.5	6.94	212
250051004	2013	4	16	21	V	2.3	1.6	6.77	215
250051004	2013	4	16	22	V	2.1	1.5	7.93	213
250051004	2013	4	16	23	V	2.6	1.6	7.77	218
250051004	2013	4	16	24	V	2.8	1.5	6.92	224
250051004	2013	4	17	1	V	5.5	1.6	6.97	231
250051004	2013	4	17	2	V	8.4	2.6	6.64	230
250051004	2013	4	17	3	V	4.7	2.9	4.09	252
250051004	2013	4	17	4	V	5.4	1.9	2.78	263
250051004	2013	4	17	5	V	4.8	1.9	3.56	270
250051004	2013	4	17	6	V	5.0	1.8	3	308
250051004	2013	4	17	7	V	9.0	2.4	3.68	327
250051004	2013	4	17	8	V	6.4	4.8	4.82	341
250051004	2013	4	17	9	V	13.0	1.6	4.83	336
250051004	2013	4	17	10	V	9.3	1.8	4.08	346
250051004	2013	4	17	11	V	12.3	4.1	3.85	348
250051004	2013	4	17	12	V	12.8	4.2	3.81	344
250051004	2013	4	17	13	V	14.9	1.9	3.68	306
250051004	2013	4	17	14	V	16.2	1.8	3.17	321

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	17	15	V	4.0	2.6	3.73	296
250051004	2013	4	17	16	V	2.4	1.6	4.48	148
250051004	2013	4	17	17	V	3.6	1.6	7.23	154
250051004	2013	4	17	18	V	2.5	1.4	6.19	160
250051004	2013	4	17	19	V	2.3	1.6	4.44	163
250051004	2013	4	17	20	V	2.0	1.3	3.13	165
250051004	2013	4	17	21	V	2.3	1.3	2.13	151
250051004	2013	4	17	22	V	2.1	1.3	1.79	231
250051004	2013	4	17	23	V	2.6	1.4	1.09	268
250051004	2013	4	17	24	V	2.8	1.4	0.67	60
250051004	2013	4	18	1	V	5.5	1.8	1.43	168
250051004	2013	4	18	2	V	8.4	2.1	0.97	233
250051004	2013	4	18	3	V	4.7	1.8	1.86	281
250051004	2013	4	18	4	V	5.4	2.1	0.87	252
250051004	2013	4	18	5	V	4.8	1.7	0.97	18
250051004	2013	4	18	6	V	5.0	2.6	0.97	31
250051004	2013	4	18	7	V	8.0	2.4	1.09	27
250051004	2013	4	18	8	V	6.7	1.5	2.1	73
250051004	2013	4	18	9	V	5.9	1.2	4.22	134
250051004	2013	4	18	10	V	5.6	1.1	4.29	151
250051004	2013	4	18	11	V	9.4	1.3	5.26	169
250051004	2013	4	18	12	V	7.9	1.3	5.19	161
250051004	2013	4	18	13	V	11.9	1.2	6.02	166
250051004	2013	4	18	14	V	8.4	1.2	6.94	163
250051004	2013	4	18	15	V	3.3	1.2	6.48	159
250051004	2013	4	18	16	V	2.4	1.3	6.33	157
250051004	2013	4	18	17	V	3.6	1.3	6.12	161
250051004	2013	4	18	18	V	2.5	1.4	5.02	171
250051004	2013	4	18	19	V	2.3	-999	4.7	168
250051004	2013	4	18	20	V	2.0	1.2	4.53	175
250051004	2013	4	18	21	V	2.3	1.3	4.66	171
250051004	2013	4	18	22	V	2.1	1.5	4.88	170
250051004	2013	4	18	23	V	2.6	1.5	4.78	174
250051004	2013	4	18	24	V	2.8	1.6	3.97	169
250051004	2013	4	19	1	V	5.5	1.5	4.26	172
250051004	2013	4	19	2	V	8.4	1.6	2.33	148
250051004	2013	4	19	3	V	4.7	2.7	2.66	150
250051004	2013	4	19	4	V	5.4	3.5	1.52	151
250051004	2013	4	19	5	V	4.8	3.5	4.88	180
250051004	2013	4	19	6	V	5.0	2.2	6.23	193
250051004	2013	4	19	7	V	6.8	6	5.75	199
250051004	2013	4	19	8	V	6.1	4.3	5.96	194
250051004	2013	4	19	9	V	5.8	5.4	6.62	199
250051004	2013	4	19	10	V	5.4	4	7.71	198
250051004	2013	4	19	11	V	9.3	6.1	8.13	197
250051004	2013	4	19	12	V	7.8	4.5	9.05	192

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	19	13	V	11.9	1.9	9.02	186
250051004	2013	4	19	14	V	8.3	1.9	10.22	197
250051004	2013	4	19	15	V	3.3	2	9.56	204
250051004	2013	4	19	16	V	2.3	2	8.3	200
250051004	2013	4	19	17	V	3.6	2.1	9.29	194
250051004	2013	4	19	18	V	2.5	1.9	9.27	204
250051004	2013	4	19	19	V	2.3	1.8	9.52	203
250051004	2013	4	19	20	V	2.0	2.2	9.85	204
250051004	2013	4	19	21	V	2.3	2	9.87	203
250051004	2013	4	19	22	V	2.1	2.2	11.51	205
250051004	2013	4	19	23	V	2.6	2.1	10.21	204
250051004	2013	4	19	24	V	2.8	2.2	10.85	206
250051004	2013	4	20	1	V	5.5	2.1	8.71	208
250051004	2013	4	20	2	V	8.4	2.3	6.92	210
250051004	2013	4	20	3	V	4.7	2.2	8	206
250051004	2013	4	20	4	V	5.4	2.2	6.45	204
250051004	2013	4	20	5	V	4.8	2.3	4.41	228
250051004	2013	4	20	6	V	5.0	2.2	5.11	309
250051004	2013	4	20	7	V	6.8	2.1	5.24	308
250051004	2013	4	20	8	V	6.2	2	5.92	311
250051004	2013	4	20	9	V	5.8	2	4.17	305
250051004	2013	4	20	10	V	5.5	2.1	3.49	278
250051004	2013	4	20	11	V	9.3	1.8	4.92	267
250051004	2013	4	20	12	V	7.8	1.8	6.14	269
250051004	2013	4	20	13	V	11.8	1.9	6.19	277
250051004	2013	4	20	14	V	8.3	1.9	5.58	270
250051004	2013	4	20	15	V	3.3	1.8	4.54	271
250051004	2013	4	20	16	V	2.3	1.8	5.22	287
250051004	2013	4	20	17	V	3.6	2	5.07	279
250051004	2013	4	20	18	V	2.5	2.1	3.61	274
250051004	2013	4	20	19	V	2.3	1.9	2.28	230
250051004	2013	4	20	20	V	2.0	1.7	2.73	248
250051004	2013	4	20	21	V	2.3	1.9	3.63	312
250051004	2013	4	20	22	V	2.1	1.9	4.7	315
250051004	2013	4	20	23	V	2.6	1.9	5.92	315
250051004	2013	4	20	24	V	2.8	2.5	6.67	316
250051004	2013	4	21	1	V	5.5	2.5	7.08	310
250051004	2013	4	21	2	V	8.4	3	4.97	315
250051004	2013	4	21	3	V	4.7	2.6	5.9	318
250051004	2013	4	21	4	V	5.4	2.9	3.86	323
250051004	2013	4	21	5	V	4.8	2.5	3.37	313
250051004	2013	4	21	6	V	5.0	1.3	3.66	311
250051004	2013	4	21	7	V	15.8	3.5	5	323
250051004	2013	4	21	8	V	7.6	1.4	5.94	343
250051004	2013	4	21	9	V	9.0	1.1	5.34	342
250051004	2013	4	21	10	V	5.6	0.9	5.44	356

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	21	11	V	10.1	1.3	4.14	355
250051004	2013	4	21	12	V	12.8	1.2	4	341
250051004	2013	4	21	13	V	12.2	1.2	4.15	360
250051004	2013	4	21	14	V	8.9	0.9	3.3	2
250051004	2013	4	21	15	V	3.7	1.2	3.27	5
250051004	2013	4	21	16	V	2.6	1.2	2.79	31
250051004	2013	4	21	17	V	3.6	1.1	5.28	104
250051004	2013	4	21	18	V	2.5	1	6.58	169
250051004	2013	4	21	19	V	2.3	-999	5.1	177
250051004	2013	4	21	20	V	2.0	0.6	3.56	193
250051004	2013	4	21	21	V	2.3	0.6	2.32	215
250051004	2013	4	21	22	V	2.1	0.9	1.84	230
250051004	2013	4	21	23	V	2.6	0.9	0.97	222
250051004	2013	4	21	24	V	2.8	1	1.28	318
250051004	2013	4	22	1	V	5.5	1.1	2.69	345
250051004	2013	4	22	2	V	8.4	-999	2.57	344
250051004	2013	4	22	3	V	4.7	-999	2.23	355
250051004	2013	4	22	4	V	5.4	1.2	2.28	6
250051004	2013	4	22	5	V	4.8	2.1	3.18	18
250051004	2013	4	22	6	V	5.0	1.6	3.41	36
250051004	2013	4	22	7	V	6.9	1.1	4.46	49
250051004	2013	4	22	8	V	6.1	1.2	5.72	60
250051004	2013	4	22	9	V	5.8	1.1	6.28	80
250051004	2013	4	22	10	V	5.5	1	6.12	79
250051004	2013	4	22	11	V	9.3	0.8	6.58	81
250051004	2013	4	22	12	V	7.8	0.9	6.57	87
250051004	2013	4	22	13	V	11.9	0.8	6.02	75
250051004	2013	4	22	14	V	8.4	1	6.86	78
250051004	2013	4	22	15	V	3.3	0.9	6.45	92
250051004	2013	4	22	16	V	2.3	0.9	6.81	76
250051004	2013	4	22	17	V	3.6	0.9	6.35	84
250051004	2013	4	22	18	V	2.5	1	6.91	69
250051004	2013	4	22	19	V	2.3	0.8	6.53	66
250051004	2013	4	22	20	V	2.0	0.8	6.45	65
250051004	2013	4	22	21	V	2.3	0.8	6.28	60
250051004	2013	4	22	22	V	2.1	1	5.07	55
250051004	2013	4	22	23	V	2.6	1.1	5.04	52
250051004	2013	4	22	24	V	2.8	1	4.77	46
250051004	2013	4	23	1	V	5.5	1.1	4.95	37
250051004	2013	4	23	2	V	8.4	1.1	4.56	28
250051004	2013	4	23	3	V	4.7	1.1	5.05	29
250051004	2013	4	23	4	V	5.4	1.1	4.99	31
250051004	2013	4	23	5	V	4.8	1.1	5.44	39
250051004	2013	4	23	6	V	5.0	1.2	5.58	34
250051004	2013	4	23	7	V	6.8	1.2	5.48	26
250051004	2013	4	23	8	V	6.1	1.2	6.07	26

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	23	9	V	5.8	1.3	6.21	30
250051004	2013	4	23	10	V	5.4	1.2	6.01	32
250051004	2013	4	23	11	V	9.3	1.3	6.72	32
250051004	2013	4	23	12	V	7.8	1.3	7.03	31
250051004	2013	4	23	13	V	11.8	1.5	7.4	29
250051004	2013	4	23	14	V	8.3	1.5	7.65	17
250051004	2013	4	23	15	V	3.3	1.6	8.11	19
250051004	2013	4	23	16	V	2.3	1.6	7.79	15
250051004	2013	4	23	17	V	3.6	1.4	8.68	15
250051004	2013	4	23	18	V	2.5	1.6	8.85	15
250051004	2013	4	23	19	V	2.3	1.6	9.54	13
250051004	2013	4	23	20	V	2.0	1.6	8.79	12
250051004	2013	4	23	21	V	2.3	1.6	9.08	21
250051004	2013	4	23	22	V	2.1	1.8	9.07	9
250051004	2013	4	23	23	V	2.6	1.7	8.45	3
250051004	2013	4	23	24	V	2.8	1.8	8.11	8
250051004	2013	4	24	1	V	5.5	1.9	8.01	14
250051004	2013	4	24	2	V	8.4	1.9	7.46	2
250051004	2013	4	24	3	V	4.7	1.9	8.46	341
250051004	2013	4	24	4	V	5.4	2.1	6.46	336
250051004	2013	4	24	5	V	7.2	2.1	6.96	327
250051004	2013	4	24	6	V	5.1	2.9	5.87	334
250051004	2013	4	24	7	V	7.3	4.7	6.45	339
250051004	2013	4	24	8	V	6.2	9	6.41	308
250051004	2013	4	24	9	V	7.9	3.3	5.63	313
250051004	2013	4	24	10	V	9.2	7.2	3.29	308
250051004	2013	4	24	11	V	9.5	3	3.03	261
250051004	2013	4	24	12	V	7.9	2.3	3.58	226
250051004	2013	4	24	13	V	11.9	2.3	4.95	153
250051004	2013	4	24	14	V	8.4	2.2	6.35	149
250051004	2013	4	24	15	V	3.3	2.2	6.82	182
250051004	2013	4	24	16	V	2.4	2.4	7.43	199
250051004	2013	4	24	17	V	3.6	2.5	7.25	185
250051004	2013	4	24	18	V	2.5	2.8	7.06	208
250051004	2013	4	24	19	V	2.3	-999	6.11	201
250051004	2013	4	24	20	V	2.0	1.9	5.99	186
250051004	2013	4	24	21	V	2.3	1.8	6.31	202
250051004	2013	4	24	22	V	2.1	1.8	6.23	201
250051004	2013	4	24	23	V	2.6	2	6.45	207
250051004	2013	4	24	24	V	2.8	4.8	6.99	211
250051004	2013	4	25	1	V	5.5	7.6	6.45	203
250051004	2013	4	25	2	V	8.4	6.1	7.14	212
250051004	2013	4	25	3	V	4.7	3.8	5.22	225
250051004	2013	4	25	4	V	5.4	3	4	216
250051004	2013	4	25	5	V	4.8	3.9	2.15	245
250051004	2013	4	25	6	V	5.0	2.6	6.14	293

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	25	7	V	6.8	4.9	4.54	305
250051004	2013	4	25	8	V	6.7	10.7	4.36	314
250051004	2013	4	25	9	V	5.8	2.3	4.97	300
250051004	2013	4	25	10	V	7.8	2.3	5.33	316
250051004	2013	4	25	11	V	9.4	4	5.48	303
250051004	2013	4	25	12	V	8.9	2	5.16	310
250051004	2013	4	25	13	V	14.8	1.9	4.63	316
250051004	2013	4	25	14	V	8.5	2.1	4.58	304
250051004	2013	4	25	15	V	5.7	1.8	3.68	314
250051004	2013	4	25	16	V	2.5	2	3.85	302
250051004	2013	4	25	17	V	7.8	2	3.25	321
250051004	2013	4	25	18	V	2.5	2.1	2.5	177
250051004	2013	4	25	19	V	2.3	2	1.98	185
250051004	2013	4	25	20	V	2.0	1.9	1.18	345
250051004	2013	4	25	21	V	2.3	1.9	2.13	275
250051004	2013	4	25	22	V	2.1	1.9	1.45	279
250051004	2013	4	25	23	V	2.6	2	2.2	290
250051004	2013	4	25	24	V	2.8	1.9	2.72	306
250051004	2013	4	26	1	V	5.5	2.5	3.47	328
250051004	2013	4	26	2	V	8.4	2.6	2.74	354
250051004	2013	4	26	3	V	4.7	2	1.84	347
250051004	2013	4	26	4	V	5.4	2	2.61	343
250051004	2013	4	26	5	V	4.8	2	2.5	347
250051004	2013	4	26	6	V	5.0	1.9	2.84	5
250051004	2013	4	26	7	V	6.8	2.2	3.95	35
250051004	2013	4	26	8	V	6.1	1.8	3.06	66
250051004	2013	4	26	9	V	5.9	1.6	2.66	79
250051004	2013	4	26	10	V	5.6	1.4	2.62	131
250051004	2013	4	26	11	V	9.4	1.4	3.78	154
250051004	2013	4	26	12	V	7.8	1.7	5.36	161
250051004	2013	4	26	13	V	11.8	1.5	6.6	164
250051004	2013	4	26	14	V	8.3	1.5	6.94	162
250051004	2013	4	26	15	V	3.3	1.4	6.65	153
250051004	2013	4	26	16	V	2.3	1.5	6.11	150
250051004	2013	4	26	17	V	3.6	1.4	5.27	134
250051004	2013	4	26	18	V	2.5	1.6	4.27	143
250051004	2013	4	26	19	V	2.3	1.6	3.27	156
250051004	2013	4	26	20	V	2.0	1.5	2.99	156
250051004	2013	4	26	21	V	2.3	1.4	1.74	145
250051004	2013	4	26	22	V	2.1	1.3	1.26	136
250051004	2013	4	26	23	V	2.6	1.4	1.6	112
250051004	2013	4	26	24	V	2.8	1.2	0.74	26
250051004	2013	4	27	1	V	5.5	1.5	1.74	358
250051004	2013	4	27	2	V	8.4	1.4	1.86	345
250051004	2013	4	27	3	V	4.7	1.6	1.06	317
250051004	2013	4	27	4	V	5.4	1.6	1.96	358

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	27	5	V	4.8	1.4	1.38	304
250051004	2013	4	27	6	V	5.0	1.6	1.54	337
250051004	2013	4	27	7	V	9.7	2.1	1.93	342
250051004	2013	4	27	8	V	6.2	2.1	1.56	30
250051004	2013	4	27	9	V	5.8	1.5	2.16	79
250051004	2013	4	27	10	V	5.4	1.6	3.22	122
250051004	2013	4	27	11	V	9.3	1.6	3.64	155
250051004	2013	4	27	12	V	7.8	1.5	4.34	147
250051004	2013	4	27	13	V	11.8	1.5	5.9	153
250051004	2013	4	27	14	V	8.3	1.5	6.26	163
250051004	2013	4	27	15	V	3.3	1.5	6.48	154
250051004	2013	4	27	16	V	2.3	1.4	6.55	156
250051004	2013	4	27	17	V	3.6	1.5	6.18	165
250051004	2013	4	27	18	V	2.5	1.7	5.44	155
250051004	2013	4	27	19	V	2.3	-999	4.42	164
250051004	2013	4	27	20	V	2.0	1.5	2.98	183
250051004	2013	4	27	21	V	2.3	1.5	1.93	200
250051004	2013	4	27	22	V	2.1	1.5	2.13	210
250051004	2013	4	27	23	V	2.6	1.7	1.62	206
250051004	2013	4	27	24	V	2.8	1.7	0.84	182
250051004	2013	4	28	1	V	5.5	1.7	1.2	266
250051004	2013	4	28	2	V	8.4	1.8	1.26	224
250051004	2013	4	28	3	V	4.7	1.7	0.94	199
250051004	2013	4	28	4	V	5.4	1.7	0.63	120
250051004	2013	4	28	5	V	4.8	1.6	0.99	254
250051004	2013	4	28	6	V	5.0	1.9	1.26	283
250051004	2013	4	28	7	V	6.8	2.3	1.35	274
250051004	2013	4	28	8	V	6.1	2.4	1.31	253
250051004	2013	4	28	9	V	5.8	1.9	2.42	174
250051004	2013	4	28	10	V	5.4	1.9	4.2	151
250051004	2013	4	28	11	V	9.3	1.7	5.56	153
250051004	2013	4	28	12	V	7.8	1.7	6.7	155
250051004	2013	4	28	13	V	11.8	1.7	7.14	154
250051004	2013	4	28	14	V	8.3	1.7	7.55	154
250051004	2013	4	28	15	V	3.3	1.8	8.05	155
250051004	2013	4	28	16	V	2.3	2	8.39	154
250051004	2013	4	28	17	V	3.6	1.8	6.89	155
250051004	2013	4	28	18	V	2.5	1.6	5.7	169
250051004	2013	4	28	19	V	2.3	1.7	5.14	179
250051004	2013	4	28	20	V	2.0	1.8	4.29	160
250051004	2013	4	28	21	V	2.3	1.7	3.68	175
250051004	2013	4	28	22	V	2.1	1.7	3.07	184
250051004	2013	4	28	23	V	2.6	1.6	2.37	203
250051004	2013	4	28	24	V	2.8	4.2	1.09	193
250051004	2013	4	29	1	V	5.5	2.6	1.16	183
250051004	2013	4	29	2	V	8.4	2	1.2	149

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	4	29	3	V	4.7	2.6	1.21	186
250051004	2013	4	29	4	V	5.4	1.9	0.84	149
250051004	2013	4	29	5	V	4.8	1.9	1.08	182
250051004	2013	4	29	6	V	5.0	1.8	1.4	212
250051004	2013	4	29	7	V	6.8	2.2	1.25	187
250051004	2013	4	29	8	V	6.3	5.7	1.98	177
250051004	2013	4	29	9	V	5.9	4	3.29	163
250051004	2013	4	29	10	V	5.5	3.7	5.05	149
250051004	2013	4	29	11	V	9.3	4.6	6.5	150
250051004	2013	4	29	12	V	7.8	3.7	6.97	152
250051004	2013	4	29	13	V	11.9	3.5	7.06	152
250051004	2013	4	29	14	V	8.3	1.9	7.11	149
250051004	2013	4	29	15	V	3.3	1.7	6.77	153
250051004	2013	4	29	16	V	2.4	1.7	5.7	156
250051004	2013	4	29	17	V	3.6	1.8	5.09	155
250051004	2013	4	29	18	V	2.5	1.9	4.75	152
250051004	2013	4	29	19	V	2.3	1.7	3.81	161
250051004	2013	4	29	20	V	2.0	1.9	3.22	169
250051004	2013	4	29	21	V	2.3	1.8	2.66	167
250051004	2013	4	29	22	V	2.1	1.8	2.71	175
250051004	2013	4	29	23	V	2.6	1.8	1.55	180
250051004	2013	4	29	24	V	2.8	1.8	0.87	141
250051004	2013	4	30	1	V	5.5	1.8	0.63	192
250051004	2013	4	30	2	V	8.4	2	1.11	140
250051004	2013	4	30	3	V	4.7	2.3	0.55	174
250051004	2013	4	30	4	V	5.4	2	0.96	338
250051004	2013	4	30	5	C	-999	2.1	0	0
250051004	2013	4	30	6	V	5.0	2.3	1.09	356
250051004	2013	4	30	7	V	6.9	2.2	1.42	24
250051004	2013	4	30	8	V	6.7	2.2	1.38	72
250051004	2013	4	30	9	V	6.3	1.8	1.62	69
250051004	2013	4	30	10	V	5.5	1.7	2.66	149
250051004	2013	4	30	11	V	9.4	1.8	2.88	159
250051004	2013	4	30	12	V	7.9	1.9	3.92	182
250051004	2013	4	30	13	V	11.9	1.8	4.32	162
250051004	2013	4	30	14	V	8.4	1.8	5.41	171
250051004	2013	4	30	15	V	3.3	1.8	6.4	154
250051004	2013	4	30	16	V	2.3	1.7	6.33	151
250051004	2013	4	30	17	V	3.6	1.8	5.62	155
250051004	2013	4	30	18	V	2.5	1.7	4.26	168
250051004	2013	4	30	19	V	2.3	1.7	3.47	165
250051004	2013	4	30	20	V	2.0	2	2.76	159
250051004	2013	4	30	21	V	2.3	1.7	1.86	186
250051004	2013	4	30	22	V	2.1	1.8	1.11	227
250051004	2013	4	30	23	V	2.6	1.9	0.91	251
250051004	2013	4	30	24	V	2.8	1.7	0.69	158

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	1	1	V	5.5	1.7	1.01	258
250051004	2013	5	1	2	V	8.4	1.9	1.2	299
250051004	2013	5	1	3	V	4.7	2.1	1.13	313
250051004	2013	5	1	4	V	5.4	1.9	1.42	287
250051004	2013	5	1	5	V	4.8	1.8	0.89	284
250051004	2013	5	1	6	V	5.0	2	0.86	270
250051004	2013	5	1	7	V	13.6	2.1	0.84	348
250051004	2013	5	1	8	V	6.3	2.4	1.79	69
250051004	2013	5	1	9	V	5.9	2	2.27	53
250051004	2013	5	1	10	V	5.5	1.6	2.67	43
250051004	2013	5	1	11	V	9.4	1.6	3.27	91
250051004	2013	5	1	12	V	7.8	1.4	3.81	95
250051004	2013	5	1	13	V	11.8	1.4	5.63	125
250051004	2013	5	1	14	V	8.3	1.7	5.26	157
250051004	2013	5	1	15	V	3.3	1.7	5.77	163
250051004	2013	5	1	16	V	2.3	1.6	6.33	164
250051004	2013	5	1	17	V	3.6	1.8	5.9	166
250051004	2013	5	1	18	V	2.5	1.6	4.8	169
250051004	2013	5	1	19	V	2.3	-999	2.95	167
250051004	2013	5	1	20	V	2.0	1.3	2.22	194
250051004	2013	5	1	21	V	2.3	1.4	2.05	205
250051004	2013	5	1	22	V	2.1	1.5	1.86	194
250051004	2013	5	1	23	V	2.6	1.4	1.84	232
250051004	2013	5	1	24	V	2.8	1.4	1.72	226
250051004	2013	5	2	1	V	5.5	1.4	1.52	210
250051004	2013	5	2	2	V	8.4	2.5	1.16	239
250051004	2013	5	2	3	V	4.7	1.6	0.87	156
250051004	2013	5	2	4	V	5.4	1.6	1.09	233
250051004	2013	5	2	5	V	4.8	1.7	1.82	263
250051004	2013	5	2	6	V	5.0	2.2	1.59	252
250051004	2013	5	2	7	V	6.8	2.4	1.04	241
250051004	2013	5	2	8	V	6.4	-999	0.97	193
250051004	2013	5	2	9	V	6.0	-999	1.3	157
250051004	2013	5	2	10	V	5.6	1.4	1.47	181
250051004	2013	5	2	11	V	9.3	1.5	2.57	174
250051004	2013	5	2	12	V	7.8	1.7	2.37	153
250051004	2013	5	2	13	V	11.9	2.6	2.79	170
250051004	2013	5	2	14	V	8.3	2.1	6.12	152
250051004	2013	5	2	15	V	3.3	1.5	7.2	153
250051004	2013	5	2	16	V	2.3	1.6	7.04	148
250051004	2013	5	2	17	V	3.6	1	4.95	151
250051004	2013	5	2	18	V	2.5	1.3	3.05	130
250051004	2013	5	2	19	V	2.3	-999	6.69	45
250051004	2013	5	2	20	V	2.0	1.3	7.84	53
250051004	2013	5	2	21	V	2.3	1.4	5.92	47
250051004	2013	5	2	22	V	2.1	1.3	3.39	45

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	2	23	V	2.6	1.4	3.8	30
250051004	2013	5	2	24	V	2.8	1.4	4.51	20
250051004	2013	5	3	1	V	5.5	1.3	5.02	18
250051004	2013	5	3	2	V	8.4	1.1	5.38	14
250051004	2013	5	3	3	V	4.7	1.1	4.58	8
250051004	2013	5	3	4	V	5.4	1.4	4.44	18
250051004	2013	5	3	5	V	4.8	1.3	4.32	10
250051004	2013	5	3	6	V	5.0	1.4	4.27	360
250051004	2013	5	3	7	V	6.8	1.6	5.58	18
250051004	2013	5	3	8	V	6.1	1.6	5.89	23
250051004	2013	5	3	9	V	5.8	1.3	7.35	29
250051004	2013	5	3	10	V	5.4	1.3	8.22	27
250051004	2013	5	3	11	V	9.3	1.3	8.67	32
250051004	2013	5	3	12	V	7.8	1	8.06	32
250051004	2013	5	3	13	V	11.8	1.2	7.52	34
250051004	2013	5	3	14	V	8.3	1.4	6.36	41
250051004	2013	5	3	15	V	3.3	1.5	5.55	42
250051004	2013	5	3	16	V	2.3	1.6	5.6	35
250051004	2013	5	3	17	V	3.6	1.6	5.82	45
250051004	2013	5	3	18	V	2.5	1.5	6.06	38
250051004	2013	5	3	19	V	2.3	1.6	5.8	31
250051004	2013	5	3	20	V	2.0	1.6	4.42	24
250051004	2013	5	3	21	V	2.3	1.5	2.98	25
250051004	2013	5	3	22	V	2.1	1.6	2.98	20
250051004	2013	5	3	23	V	2.6	1.5	2.67	355
250051004	2013	5	3	24	V	2.8	1.4	2.67	336
250051004	2013	5	4	1	V	5.5	1.5	3.27	340
250051004	2013	5	4	2	V	8.4	1.7	3.12	356
250051004	2013	5	4	3	V	4.7	1.6	2.47	8
250051004	2013	5	4	4	V	5.4	1.6	2.3	28
250051004	2013	5	4	5	V	4.8	1.6	2.83	27
250051004	2013	5	4	6	V	5.0	1.8	2.86	31
250051004	2013	5	4	7	V	6.8	1.9	4.19	34
250051004	2013	5	4	8	V	6.1	2	4.87	26
250051004	2013	5	4	9	V	5.8	1.8	5.38	37
250051004	2013	5	4	10	V	5.4	1.8	6.77	45
250051004	2013	5	4	11	V	9.3	1.7	7.26	39
250051004	2013	5	4	12	V	7.8	1.8	5.78	61
250051004	2013	5	4	13	V	11.8	1.6	6.63	66
250051004	2013	5	4	14	V	8.3	1.6	7.13	60
250051004	2013	5	4	15	V	3.3	1.6	6.21	61
250051004	2013	5	4	16	V	2.3	1.6	6.16	58
250051004	2013	5	4	17	V	3.6	1.8	5.61	64
250051004	2013	5	4	18	V	2.5	1.6	5.31	75
250051004	2013	5	4	19	V	2.3	1.7	5.04	80
250051004	2013	5	4	20	V	2.0	1.6	4.95	71

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	4	21	V	2.3	1.6	4.02	55
250051004	2013	5	4	22	V	2.1	1.5	3.44	44
250051004	2013	5	4	23	V	2.6	1.4	2.83	33
250051004	2013	5	4	24	V	2.8	1.5	2.83	20
250051004	2013	5	5	1	V	5.5	1.8	3.22	25
250051004	2013	5	5	2	V	8.4	1.7	2.49	11
250051004	2013	5	5	3	V	4.7	1.6	2.74	347
250051004	2013	5	5	4	V	5.4	1.6	3.2	349
250051004	2013	5	5	5	V	4.8	1.6	2.88	353
250051004	2013	5	5	6	V	5.0	1.7	3.17	355
250051004	2013	5	5	7	V	6.8	1.9	4.48	27
250051004	2013	5	5	8	V	6.1	2.1	5.1	32
250051004	2013	5	5	9	V	5.8	1.9	4.68	46
250051004	2013	5	5	10	V	5.4	1.7	4.56	58
250051004	2013	5	5	11	V	9.3	1.7	3.66	58
250051004	2013	5	5	12	V	7.8	1.7	3.54	87
250051004	2013	5	5	13	V	11.8	1.6	3.85	91
250051004	2013	5	5	14	V	8.3	1.7	3.76	123
250051004	2013	5	5	15	V	3.3	1.7	3.18	137
250051004	2013	5	5	16	V	2.3	1.8	3.9	156
250051004	2013	5	5	17	V	3.6	1.9	5.27	171
250051004	2013	5	5	18	V	2.5	1.9	5.27	175
250051004	2013	5	5	19	V	2.3	-999	4.76	183
250051004	2013	5	5	20	V	2.0	1.6	3.44	186
250051004	2013	5	5	21	V	2.3	1.5	2.62	162
250051004	2013	5	5	22	V	2.1	1.4	2.18	143
250051004	2013	5	5	23	V	2.6	1.5	2.13	149
250051004	2013	5	5	24	V	2.8	1.4	1.76	156
250051004	2013	5	6	1	V	5.5	1.4	1.28	82
250051004	2013	5	6	2	V	8.4	-999	1.01	78
250051004	2013	5	6	3	V	4.7	-999	1.52	98
250051004	2013	5	6	4	V	5.4	1.3	2.47	53
250051004	2013	5	6	5	V	4.8	1.7	2.15	53
250051004	2013	5	6	6	V	5.0	1.8	1.94	106
250051004	2013	5	6	7	V	6.9	1.6	1.42	28
250051004	2013	5	6	8	V	6.2	1.8	1.81	45
250051004	2013	5	6	9	V	6.1	1.9	1.14	47
250051004	2013	5	6	10	V	5.6	1.6	1.7	136
250051004	2013	5	6	11	V	9.3	1.9	2.86	91
250051004	2013	5	6	12	V	7.8	1.9	4.03	121
250051004	2013	5	6	13	V	11.8	1.7	4.46	145
250051004	2013	5	6	14	V	8.3	1.8	5.94	152
250051004	2013	5	6	15	V	3.3	1.7	6.6	157
250051004	2013	5	6	16	V	2.3	1.8	6.55	153
250051004	2013	5	6	17	V	3.6	1.9	6.11	156
250051004	2013	5	6	18	V	2.5	1.9	4.63	160

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	6	19	V	2.3	1.7	4.54	156
250051004	2013	5	6	20	V	2.0	1.9	2.81	162
250051004	2013	5	6	21	V	2.3	1.8	1.94	143
250051004	2013	5	6	22	V	2.1	1.7	3	168
250051004	2013	5	6	23	V	2.6	1.7	2.35	175
250051004	2013	5	6	24	V	2.8	1.8	0.84	141
250051004	2013	5	7	1	V	5.5	1.9	0.69	198
250051004	2013	5	7	2	V	8.4	1.7	0.75	206
250051004	2013	5	7	3	C	-999	1.7	0	0
250051004	2013	5	7	4	V	5.4	1.7	1.08	31
250051004	2013	5	7	5	V	4.8	1.7	1.25	31
250051004	2013	5	7	6	V	5.0	1.6	1.67	348
250051004	2013	5	7	7	V	6.8	2.4	1.47	10
250051004	2013	5	7	8	V	6.1	2.4	1.57	32
250051004	2013	5	7	9	V	5.8	2.2	2.3	81
250051004	2013	5	7	10	V	5.4	2	3.2	105
250051004	2013	5	7	11	V	9.3	1.8	4.12	155
250051004	2013	5	7	12	V	7.8	1.8	4.22	149
250051004	2013	5	7	13	V	11.8	2.4	4.34	158
250051004	2013	5	7	14	V	8.3	2	6.67	154
250051004	2013	5	7	15	V	3.3	1.9	6.57	154
250051004	2013	5	7	16	V	2.3	1.9	6.62	156
250051004	2013	5	7	17	V	3.6	1.9	6.33	153
250051004	2013	5	7	18	V	2.5	1.8	5.6	151
250051004	2013	5	7	19	V	2.3	1.9	3.68	152
250051004	2013	5	7	20	V	2.0	1.9	3.54	160
250051004	2013	5	7	21	V	2.3	1.8	2.55	166
250051004	2013	5	7	22	V	2.1	1.8	1.54	170
250051004	2013	5	7	23	V	2.6	1.6	0.91	180
250051004	2013	5	7	24	V	2.8	1.9	1.04	186
250051004	2013	5	8	1	V	5.5	1.9	0.79	132
250051004	2013	5	8	2	V	8.4	1.9	1.04	57
250051004	2013	5	8	3	V	4.7	1.8	1.3	38
250051004	2013	5	8	4	V	5.4	1.7	1.77	20
250051004	2013	5	8	5	V	4.8	1.5	2.11	50
250051004	2013	5	8	6	V	5.0	1.8	1.64	36
250051004	2013	5	8	7	V	6.8	1.7	2.47	34
250051004	2013	5	8	8	V	6.1	1.8	2.08	67
250051004	2013	5	8	9	V	5.8	1.8	2.42	88
250051004	2013	5	8	10	V	5.4	1.8	5.02	131
250051004	2013	5	8	11	V	9.3	1.8	6.18	136
250051004	2013	5	8	12	V	7.8	1.9	7.32	133
250051004	2013	5	8	13	V	11.8	1.8	7.5	133
250051004	2013	5	8	14	V	8.3	1.8	6.21	128
250051004	2013	5	8	15	V	3.3	1.9	7.42	132
250051004	2013	5	8	16	V	2.3	2	7.06	146

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	8	17	V	3.6	1.9	5.77	137
250051004	2013	5	8	18	V	2.5	1.9	5.5	135
250051004	2013	5	8	19	V	2.3	-999	5.34	137
250051004	2013	5	8	20	V	2.0	1.9	4.03	146
250051004	2013	5	8	21	V	2.3	2	3.56	167
250051004	2013	5	8	22	V	2.1	2	3.01	168
250051004	2013	5	8	23	V	2.6	1.9	2.3	162
250051004	2013	5	8	24	V	2.8	4.3	1.84	139
250051004	2013	5	9	1	V	5.5	2.7	1.62	116
250051004	2013	5	9	2	V	8.4	2.2	0.84	269
250051004	2013	5	9	3	V	4.7	2.1	1.79	23
250051004	2013	5	9	4	V	5.4	2	1.74	51
250051004	2013	5	9	5	V	4.8	2.1	1.47	61
250051004	2013	5	9	6	V	5.0	2.2	0.75	276
250051004	2013	5	9	7	V	6.8	-999	1.45	11
250051004	2013	5	9	8	V	6.1	-999	1.47	7
250051004	2013	5	9	9	V	6.0	-999	1.6	43
250051004	2013	5	9	10	V	5.5	-999	1.91	273
250051004	2013	5	9	11	V	9.3	-999	2.67	131
250051004	2013	5	9	12	V	8.1	-999	1.87	55
250051004	2013	5	9	13	V	12.0	3	2.01	155
250051004	2013	5	9	14	V	8.3	1.1	4.15	142
250051004	2013	5	9	15	V	3.3	0.3	4.1	167
250051004	2013	5	9	16	V	2.3	0.4	3.07	150
250051004	2013	5	9	17	V	3.6	0.4	3.66	146
250051004	2013	5	9	18	V	2.5	0.3	4.03	164
250051004	2013	5	9	19	V	2.3	0.1	3.01	144
250051004	2013	5	9	20	V	2.0	0.2	2.37	156
250051004	2013	5	9	21	V	2.3	0.2	1.82	161
250051004	2013	5	9	22	V	2.1	0.2	1.74	181
250051004	2013	5	9	23	V	2.6	0.3	2.37	249
250051004	2013	5	9	24	V	2.8	0.3	3.18	263
250051004	2013	5	10	1	V	5.5	0.4	3.59	269
250051004	2013	5	10	2	V	8.4	0.3	2.86	271
250051004	2013	5	10	3	V	4.7	0.3	3.27	274
250051004	2013	5	10	4	V	5.4	0.2	2.3	256
250051004	2013	5	10	5	V	4.8	0.4	1.42	232
250051004	2013	5	10	6	V	5.0	1	1.57	214
250051004	2013	5	10	7	V	6.9	0.8	2.44	262
250051004	2013	5	10	8	V	6.2	0.5	1.77	268
250051004	2013	5	10	9	V	6.0	0.5	1.76	273
250051004	2013	5	10	10	V	5.5	0.5	2.04	269
250051004	2013	5	10	11	V	9.3	0.6	3.47	172
250051004	2013	5	10	12	V	7.8	0.6	4.27	154
250051004	2013	5	10	13	V	11.8	0.5	5.31	156
250051004	2013	5	10	14	V	8.3	0.4	5.43	149

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	10	15	V	3.3	0.4	5.29	154
250051004	2013	5	10	16	V	2.3	0.4	4.82	147
250051004	2013	5	10	17	V	3.6	0.5	5.89	190
250051004	2013	5	10	18	V	2.5	0.5	5.7	202
250051004	2013	5	10	19	V	2.3	0.5	4.07	206
250051004	2013	5	10	20	V	2.0	0.3	3.56	163
250051004	2013	5	10	21	V	2.3	0.4	3.29	188
250051004	2013	5	10	22	V	2.1	0.5	2.98	163
250051004	2013	5	10	23	V	2.6	0.6	3.15	169
250051004	2013	5	10	24	V	2.8	0.5	3.58	169
250051004	2013	5	11	1	V	5.5	0.4	3.35	163
250051004	2013	5	11	2	V	8.4	0.4	3.15	155
250051004	2013	5	11	3	V	4.7	0.3	3.68	162
250051004	2013	5	11	4	V	5.4	0.5	3.44	160
250051004	2013	5	11	5	V	4.8	0.4	3.03	152
250051004	2013	5	11	6	V	5.0	0.4	2.5	179
250051004	2013	5	11	7	V	6.8	0.3	3.34	171
250051004	2013	5	11	8	V	6.1	0.4	4.51	192
250051004	2013	5	11	9	V	5.8	0.4	5.44	198
250051004	2013	5	11	10	V	5.4	0.5	6.87	211
250051004	2013	5	11	11	V	9.3	0.6	8.71	208
250051004	2013	5	11	12	V	7.8	0.6	7.62	211
250051004	2013	5	11	13	V	11.8	0.5	7.69	209
250051004	2013	5	11	14	V	8.3	0.6	7.55	197
250051004	2013	5	11	15	V	3.3	0.5	6.64	198
250051004	2013	5	11	16	V	2.3	0.5	5.77	193
250051004	2013	5	11	17	V	3.6	0.4	6.07	193
250051004	2013	5	11	18	V	2.5	0.5	6.58	199
250051004	2013	5	11	19	V	2.3	-999	4.73	173
250051004	2013	5	11	20	V	2.0	0.3	3.63	175
250051004	2013	5	11	21	V	2.3	0.5	3.52	209
250051004	2013	5	11	22	V	2.1	0.6	3.27	193
250051004	2013	5	11	23	V	2.6	0.6	3.35	218
250051004	2013	5	11	24	V	2.8	0.7	3.08	215
250051004	2013	5	12	1	V	5.5	0.6	3.24	180
250051004	2013	5	12	2	V	8.4	0.6	2.18	176
250051004	2013	5	12	3	V	4.7	0.6	2.84	142
250051004	2013	5	12	4	V	5.4	0.6	3.2	166
250051004	2013	5	12	5	V	4.8	0.7	3.17	157
250051004	2013	5	12	6	V	5.0	0.7	3.12	174
250051004	2013	5	12	7	V	6.8	0.6	3.26	199
250051004	2013	5	12	8	V	6.1	0.8	2.49	194
250051004	2013	5	12	9	V	5.8	0.8	2.93	224
250051004	2013	5	12	10	V	5.4	0.7	2.66	217
250051004	2013	5	12	11	V	9.3	0.7	4.36	225
250051004	2013	5	12	12	V	7.8	0.7	5.84	244

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	12	13	V	11.8	0.7	5.46	249
250051004	2013	5	12	14	V	8.3	0.8	5.55	260
250051004	2013	5	12	15	V	3.3	0.9	5.68	246
250051004	2013	5	12	16	V	2.3	0.9	6.6	228
250051004	2013	5	12	17	V	3.6	0.7	7.98	272
250051004	2013	5	12	18	V	2.5	0.5	6.77	290
250051004	2013	5	12	19	V	2.3	0.8	4.56	300
250051004	2013	5	12	20	V	2.0	0.6	3.83	305
250051004	2013	5	12	21	V	2.3	5	3.73	312
250051004	2013	5	12	22	V	2.1	2.3	2.52	290
250051004	2013	5	12	23	V	2.6	0.7	4.15	296
250051004	2013	5	12	24	V	2.8	0.6	2.88	279
250051004	2013	5	13	1	V	5.5	0.5	2.69	263
250051004	2013	5	13	2	V	8.4	0.3	2.74	248
250051004	2013	5	13	3	V	4.7	0.4	1.89	233
250051004	2013	5	13	4	V	5.4	0.4	1.4	222
250051004	2013	5	13	5	V	4.8	0.3	1.98	258
250051004	2013	5	13	6	V	5.0	0.6	3.2	235
250051004	2013	5	13	7	V	6.8	0.5	4.63	258
250051004	2013	5	13	8	V	6.1	0.4	5.7	264
250051004	2013	5	13	9	V	5.8	0.5	6.19	260
250051004	2013	5	13	10	V	5.4	0.3	5.29	251
250051004	2013	5	13	11	V	9.3	0.3	5.38	257
250051004	2013	5	13	12	V	7.8	0.6	4.7	253
250051004	2013	5	13	13	V	11.8	2.3	5.56	253
250051004	2013	5	13	14	V	8.3	1	5.43	278
250051004	2013	5	13	15	V	3.3	0.5	4.39	282
250051004	2013	5	13	16	V	2.3	0.6	4.37	294
250051004	2013	5	13	17	V	3.7	0.7	4.76	304
250051004	2013	5	13	18	V	2.9	0.5	5.82	315
250051004	2013	5	13	19	V	2.3	0.6	5.62	309
250051004	2013	5	13	20	V	2.1	9.6	5.05	323
250051004	2013	5	13	21	V	2.3	8.3	4.36	334
250051004	2013	5	13	22	V	2.1	10.7	3.49	316
250051004	2013	5	13	23	V	2.6	15.6	3.29	310
250051004	2013	5	13	24	V	2.8	15.7	3.27	312
250051004	2013	5	14	1	V	5.5	1.5	2.49	308
250051004	2013	5	14	2	V	8.4	0.6	2.01	279
250051004	2013	5	14	3	V	4.7	1.6	2.16	260
250051004	2013	5	14	4	V	5.4	0.8	2.13	270
250051004	2013	5	14	5	V	4.8	3.6	2.78	300
250051004	2013	5	14	6	V	6.9	0.6	3.61	325
250051004	2013	5	14	7	V	7.9	0.4	4.88	340
250051004	2013	5	14	8	V	6.5	-999	5.34	345
250051004	2013	5	14	9	V	5.8	0.5	5.21	6
250051004	2013	5	14	10	V	5.5	0.2	4.15	11

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	14	11	V	9.4	9.7	3.17	8
250051004	2013	5	14	12	V	8.8	0.4	3.58	315
250051004	2013	5	14	13	V	12.2	0.2	3.3	302
250051004	2013	5	14	14	V	8.3	0.3	4.76	283
250051004	2013	5	14	15	V	3.5	0.4	4.71	303
250051004	2013	5	14	16	V	2.7	0.2	4.9	309
250051004	2013	5	14	17	V	3.9	0.3	4.2	306
250051004	2013	5	14	18	V	2.5	0.3	4.56	294
250051004	2013	5	14	19	V	2.3	-999	3.23	286
250051004	2013	5	14	20	V	2.0	0.5	3.05	292
250051004	2013	5	14	21	V	2.3	0.2	1.96	282
250051004	2013	5	14	22	V	2.1	0.3	1.81	260
250051004	2013	5	14	23	V	2.6	0.5	2.49	262
250051004	2013	5	14	24	V	2.8	0.2	2.98	261
250051004	2013	5	15	1	V	5.5	3.6	3	261
250051004	2013	5	15	2	V	8.4	1	2.96	265
250051004	2013	5	15	3	V	4.7	0.9	3.05	259
250051004	2013	5	15	4	V	5.4	1.8	2.1	255
250051004	2013	5	15	5	V	4.8	0.1	1.42	255
250051004	2013	5	15	6	V	5.0	1.9	1.42	202
250051004	2013	5	15	7	V	7.0	2.2	1.88	207
250051004	2013	5	15	8	V	6.1	5.7	3.27	173
250051004	2013	5	15	9	V	5.8	2.6	4.14	144
250051004	2013	5	15	10	V	5.4	5.8	6.38	216
250051004	2013	5	15	11	V	9.3	4.2	7.2	206
250051004	2013	5	15	12	V	7.8	5.8	7.69	200
250051004	2013	5	15	13	V	11.8	4.3	8.22	200
250051004	2013	5	15	14	V	8.3	1.8	8.57	188
250051004	2013	5	15	15	V	3.3	0.9	5.63	162
250051004	2013	5	15	16	V	2.3	0.6	6.5	173
250051004	2013	5	15	17	V	3.6	0.8	7.4	176
250051004	2013	5	15	18	V	2.5	0.7	8.05	176
250051004	2013	5	15	19	V	2.3	0.8	7.23	179
250051004	2013	5	15	20	V	2.0	0.7	5.39	184
250051004	2013	5	15	21	V	2.3	0.7	4.48	199
250051004	2013	5	15	22	V	2.1	0.8	4	197
250051004	2013	5	15	23	V	2.6	0.8	1.26	190
250051004	2013	5	15	24	V	2.8	0.9	2.42	246
250051004	2013	5	16	1	V	5.5	1	3.01	237
250051004	2013	5	16	2	V	8.4	0.8	3	258
250051004	2013	5	16	3	V	4.7	0.8	2.95	242
250051004	2013	5	16	4	V	5.4	0.9	2.74	255
250051004	2013	5	16	5	V	4.8	1.1	3.49	259
250051004	2013	5	16	6	V	5.0	1.1	3.32	248
250051004	2013	5	16	7	V	6.8	1.4	3.27	235
250051004	2013	5	16	8	V	6.1	1.4	3.12	225

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	16	9	V	5.8	1.4	3.63	255
250051004	2013	5	16	10	V	5.4	1	6.74	271
250051004	2013	5	16	11	V	9.3	0.9	6.06	282
250051004	2013	5	16	12	V	7.8	0.9	5.36	273
250051004	2013	5	16	13	V	11.9	1.8	5.19	266
250051004	2013	5	16	14	V	8.3	2.9	6.65	260
250051004	2013	5	16	15	V	3.3	1.3	6.41	234
250051004	2013	5	16	16	V	2.3	1.1	7.08	219
250051004	2013	5	16	17	V	3.6	1.3	6.77	213
250051004	2013	5	16	18	V	2.5	1.4	6.62	212
250051004	2013	5	16	19	V	2.3	1.2	5.78	231
250051004	2013	5	16	20	V	2.0	1.2	5.02	238
250051004	2013	5	16	21	V	2.3	1.1	5.05	245
250051004	2013	5	16	22	V	2.1	0.8	4.66	263
250051004	2013	5	16	23	V	2.6	1	3.32	268
250051004	2013	5	16	24	V	2.8	0.9	2.03	316
250051004	2013	5	17	1	V	5.5	4.7	1.81	304
250051004	2013	5	17	2	V	8.4	1.3	3.56	335
250051004	2013	5	17	3	V	4.7	0.9	3.41	8
250051004	2013	5	17	4	V	5.4	0.6	2.76	341
250051004	2013	5	17	5	V	4.8	0.7	1.71	252
250051004	2013	5	17	6	V	6.3	1.1	2.11	324
250051004	2013	5	17	7	V	7.2	3.1	5.07	341
250051004	2013	5	17	8	V	7.9	5.3	6.24	336
250051004	2013	5	17	9	V	9.1	6.5	5.72	334
250051004	2013	5	17	10	V	5.6	2.2	5.72	347
250051004	2013	5	17	11	V	10.2	1.3	4.88	342
250051004	2013	5	17	12	V	8.2	1	4.78	346
250051004	2013	5	17	13	V	12.9	1.4	5.04	340
250051004	2013	5	17	14	V	9.4	1.3	4.32	340
250051004	2013	5	17	15	V	4.9	0.4	4.46	334
250051004	2013	5	17	16	V	2.5	0.4	4.44	350
250051004	2013	5	17	17	V	3.6	0.3	5.28	37
250051004	2013	5	17	18	V	2.5	0.4	6.62	149
250051004	2013	5	17	19	V	2.3	-999	4.95	166
250051004	2013	5	17	20	V	2.0	0.1	2.57	176
250051004	2013	5	17	21	V	2.3	0.1	2.01	212
250051004	2013	5	17	22	V	2.1	0	1.37	215
250051004	2013	5	17	23	V	2.6	0	1.52	202
250051004	2013	5	17	24	V	2.8	0	1.16	192
250051004	2013	5	18	1	V	5.5	0	1.65	243
250051004	2013	5	18	2	V	8.4	0	1.88	252
250051004	2013	5	18	3	V	4.7	0	1.94	240
250051004	2013	5	18	4	V	5.4	0	1.47	191
250051004	2013	5	18	5	V	4.8	0	1.43	198
250051004	2013	5	18	6	V	5.0	0.1	1.62	232

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	18	7	V	6.9	0.1	2.79	260
250051004	2013	5	18	8	V	6.1	0.6	2.69	255
250051004	2013	5	18	9	V	5.9	0.2	1.99	268
250051004	2013	5	18	10	V	5.5	0	2.06	256
250051004	2013	5	18	11	V	9.4	0	2.32	250
250051004	2013	5	18	12	V	7.8	0	3.22	183
250051004	2013	5	18	13	V	11.8	0.1	5.8	147
250051004	2013	5	18	14	V	8.3	0.1	5.85	166
250051004	2013	5	18	15	V	3.3	0.1	6.55	184
250051004	2013	5	18	16	V	2.3	0.1	6.69	198
250051004	2013	5	18	17	V	3.6	0.1	5.7	221
250051004	2013	5	18	18	V	2.5	0.1	6.07	225
250051004	2013	5	18	19	V	2.3	0.1	5.19	229
250051004	2013	5	18	20	V	2.0	0.1	4.27	217
250051004	2013	5	18	21	V	2.3	0	4.22	216
250051004	2013	5	18	22	V	2.1	0	2.98	216
250051004	2013	5	18	23	V	2.6	0	2.32	210
250051004	2013	5	18	24	V	2.8	0	2.22	200
250051004	2013	5	19	1	V	5.5	0	2.18	204
250051004	2013	5	19	2	V	8.4	0	1.65	203
250051004	2013	5	19	3	V	4.7	0	1.38	231
250051004	2013	5	19	4	V	5.4	0	1.33	204
250051004	2013	5	19	5	V	4.8	0	0.96	221
250051004	2013	5	19	6	V	5.0	0	1.04	213
250051004	2013	5	19	7	V	7.0	0	1.76	216
250051004	2013	5	19	8	V	6.3	0	2.18	204
250051004	2013	5	19	9	V	5.9	0	3.25	196
250051004	2013	5	19	10	V	5.5	0	4.75	171
250051004	2013	5	19	11	V	9.3	0	4.73	186
250051004	2013	5	19	12	V	7.8	0	6.41	164
250051004	2013	5	19	13	V	11.8	0	6.52	153
250051004	2013	5	19	14	V	8.3	0.1	6.35	191
250051004	2013	5	19	15	V	3.3	0	6.02	187
250051004	2013	5	19	16	V	2.3	0.1	4.78	207
250051004	2013	5	19	17	V	3.6	0.2	3.98	199
250051004	2013	5	19	18	V	2.5	0	3.73	187
250051004	2013	5	19	19	V	2.3	0	3.97	174
250051004	2013	5	19	20	V	2.0	0	4.19	174
250051004	2013	5	19	21	V	2.3	0	4.32	167
250051004	2013	5	19	22	V	2.1	0	3.81	168
250051004	2013	5	19	23	V	2.6	0	4.73	171
250051004	2013	5	19	24	V	2.8	0	4.43	172
250051004	2013	5	20	1	V	5.5	0.1	5	167
250051004	2013	5	20	2	V	8.4	-999	3.12	173
250051004	2013	5	20	3	V	4.7	-999	2.4	180
250051004	2013	5	20	4	V	5.4	3.5	2.36	187

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	20	5	V	4.8	2.1	2.36	224
250051004	2013	5	20	6	V	5.0	2.5	2.36	182
250051004	2013	5	20	7	V	6.8	2.3	2.36	197
250051004	2013	5	20	8	V	6.1	2.6	2.36	200
250051004	2013	5	20	9	C	-999	1.1	0	0
250051004	2013	5	20	10	V	5.5	2.2	4.36	231
250051004	2013	5	20	11	V	9.3	0.9	5.36	274
250051004	2013	5	20	12	M	-999	1	2.86	999
250051004	2013	5	20	13	M	-999	0.9	1.76	999
250051004	2013	5	20	14	V	8.4	0.7	4.86	237
250051004	2013	5	20	15	V	3.4	0.6	4.36	270
250051004	2013	5	20	16	V	2.5	0.7	2.86	259
250051004	2013	5	20	17	V	3.6	0.8	4.86	210
250051004	2013	5	20	18	V	2.5	0.8	3.86	245
250051004	2013	5	20	19	V	2.3	-999	3.86	234
250051004	2013	5	20	20	V	2.0	0.6	3.36	236
250051004	2013	5	20	21	V	2.3	0.7	4.36	239
250051004	2013	5	20	22	V	2.1	0.8	1.76	299
250051004	2013	5	20	23	V	2.6	0.8	2	260
250051004	2013	5	20	24	V	2.8	0.9	1.71	247
250051004	2013	5	21	1	V	5.5	1	1.33	252
250051004	2013	5	21	2	V	8.4	0.7	1.5	215
250051004	2013	5	21	3	V	4.7	0.8	0.99	158
250051004	2013	5	21	4	V	5.4	1.1	1.18	202
250051004	2013	5	21	5	V	4.8	1	1.45	190
250051004	2013	5	21	6	V	5.0	1.5	0.75	162
250051004	2013	5	21	7	V	6.8	1.5	1.82	171
250051004	2013	5	21	8	V	6.1	1.6	2.33	151
250051004	2013	5	21	9	V	5.8	1.4	2.45	144
250051004	2013	5	21	10	V	5.4	3.9	4.19	157
250051004	2013	5	21	11	V	9.3	3.9	3.98	176
250051004	2013	5	21	12	V	7.8	3.7	5.55	240
250051004	2013	5	21	13	V	11.8	3.8	4.07	188
250051004	2013	5	21	14	V	8.3	1.1	4.95	205
250051004	2013	5	21	15	V	3.3	1	6.87	223
250051004	2013	5	21	16	V	2.3	1.1	6.65	217
250051004	2013	5	21	17	V	3.6	0.8	6.98	350
250051004	2013	5	21	18	V	2.5	0.7	6.86	23
250051004	2013	5	21	19	V	2.3	0.5	5.44	31
250051004	2013	5	21	20	V	2.0	0.6	5.96	15
250051004	2013	5	21	21	V	2.3	0.5	4.2	43
250051004	2013	5	21	22	V	2.1	0.5	4.85	20
250051004	2013	5	21	23	V	2.6	0.5	4.54	22
250051004	2013	5	21	24	V	2.8	0.4	6.31	12
250051004	2013	5	22	1	V	5.5	0.3	6.7	16
250051004	2013	5	22	2	V	8.4	0.4	4.17	48

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	22	3	V	4.7	0.4	1.67	81
250051004	2013	5	22	4	V	5.4	0.4	3.18	1
250051004	2013	5	22	5	V	4.8	0.5	1.43	61
250051004	2013	5	22	6	V	5.0	0.6	1.67	175
250051004	2013	5	22	7	V	6.8	0.8	3.08	167
250051004	2013	5	22	8	V	6.1	2.4	4.49	191
250051004	2013	5	22	9	V	5.8	5.5	3.56	204
250051004	2013	5	22	10	V	5.5	3.2	1.84	191
250051004	2013	5	22	11	V	9.4	1.7	2.03	113
250051004	2013	5	22	12	V	7.8	2.3	3.18	144
250051004	2013	5	22	13	V	11.9	1.3	2.71	153
250051004	2013	5	22	14	V	8.4	1	3.29	154
250051004	2013	5	22	15	V	3.4	0.9	3.27	157
250051004	2013	5	22	16	V	2.3	0.9	4.12	154
250051004	2013	5	22	17	V	3.6	0.8	5.41	151
250051004	2013	5	22	18	V	2.5	0.6	4.31	148
250051004	2013	5	22	19	V	2.3	0.6	3.44	151
250051004	2013	5	22	20	V	2.0	0.5	3.61	142
250051004	2013	5	22	21	V	2.3	0.2	2.84	152
250051004	2013	5	22	22	V	2.1	0.5	2.76	147
250051004	2013	5	22	23	V	2.6	0.3	2.5	150
250051004	2013	5	22	24	V	2.8	0.6	3	165
250051004	2013	5	23	1	V	5.5	1.4	3.06	179
250051004	2013	5	23	2	V	8.4	2.6	3.61	188
250051004	2013	5	23	3	V	4.7	2.3	3.8	188
250051004	2013	5	23	4	V	5.4	2.9	4.12	194
250051004	2013	5	23	5	V	4.8	2.7	3.86	195
250051004	2013	5	23	6	V	5.0	3.4	4.63	204
250051004	2013	5	23	7	V	6.8	4.2	4.73	199
250051004	2013	5	23	8	V	6.1	4.5	5.36	205
250051004	2013	5	23	9	V	5.8	5.3	5.51	205
250051004	2013	5	23	10	V	5.4	6.1	5.67	212
250051004	2013	5	23	11	V	9.3	5.9	6.29	212
250051004	2013	5	23	12	V	7.8	5.2	6.96	217
250051004	2013	5	23	13	V	11.8	6.4	7.42	218
250051004	2013	5	23	14	V	8.3	4.4	7.98	212
250051004	2013	5	23	15	V	3.3	1.1	8.62	203
250051004	2013	5	23	16	V	2.3	0.8	8.25	199
250051004	2013	5	23	17	V	3.6	0.9	8.54	201
250051004	2013	5	23	18	V	2.5	0.8	7.65	204
250051004	2013	5	23	19	V	2.3	-999	6.72	202
250051004	2013	5	23	20	V	2.0	0.6	6.5	192
250051004	2013	5	23	21	V	2.3	0.6	5.9	191
250051004	2013	5	23	22	V	2.1	0.8	6.64	191
250051004	2013	5	23	23	V	2.6	0.8	6.6	201
250051004	2013	5	23	24	V	2.8	1.6	6.94	189

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	24	1	V	5.5	3.2	4.71	171
250051004	2013	5	24	2	V	8.4	1.4	5.36	174
250051004	2013	5	24	3	V	4.7	1.4	4.44	160
250051004	2013	5	24	4	V	5.4	2.2	3.83	190
250051004	2013	5	24	5	V	4.8	3.2	3.27	181
250051004	2013	5	24	6	V	5.0	4.5	4.15	188
250051004	2013	5	24	7	V	6.8	3.2	3.71	179
250051004	2013	5	24	8	V	6.1	3.8	3.44	187
250051004	2013	5	24	9	V	5.8	4.5	2.83	196
250051004	2013	5	24	10	V	5.4	2.4	3.1	148
250051004	2013	5	24	11	V	9.3	4.3	2.93	140
250051004	2013	5	24	12	V	7.8	1.9	2.83	149
250051004	2013	5	24	13	V	11.8	1.4	3.3	144
250051004	2013	5	24	14	V	8.3	1.3	3.39	144
250051004	2013	5	24	15	V	3.3	1.5	3.9	145
250051004	2013	5	24	16	V	2.3	1.2	4.49	162
250051004	2013	5	24	17	V	3.8	1.2	4.44	326
250051004	2013	5	24	18	V	2.5	1.2	4.65	313
250051004	2013	5	24	19	V	2.3	1	4.94	336
250051004	2013	5	24	20	V	2.0	1.3	4.95	330
250051004	2013	5	24	21	V	2.3	1.1	5.19	340
250051004	2013	5	24	22	V	2.1	0.8	6.58	351
250051004	2013	5	24	23	V	2.6	0.6	5.11	333
250051004	2013	5	24	24	V	2.8	1.3	4.75	331
250051004	2013	5	25	1	V	5.5	1	4.09	327
250051004	2013	5	25	2	V	8.4	1.2	5.58	347
250051004	2013	5	25	3	V	4.7	1	5.85	351
250051004	2013	5	25	4	V	5.4	1.1	4.39	341
250051004	2013	5	25	5	V	4.8	1.2	4.48	345
250051004	2013	5	25	6	V	5.0	1.3	4.77	353
250051004	2013	5	25	7	M	-999	1.4	4.46	339
250051004	2013	5	25	8	M	-999	1.1	4.46	339
250051004	2013	5	25	9	M	-999	1.3	4.83	341
250051004	2013	5	25	10	M	-999	1.5	5.33	342
250051004	2013	5	25	11	M	-999	1.6	4.63	332
250051004	2013	5	25	12	M	-999	2.1	4.42	334
250051004	2013	5	25	13	M	-999	2.3	4.34	332
250051004	2013	5	25	14	M	-999	2	4.77	301
250051004	2013	5	25	15	M	-999	1.5	6.29	299
250051004	2013	5	25	16	M	-999	1.2	6.96	308
250051004	2013	5	25	17	M	-999	1.1	7.13	310
250051004	2013	5	25	18	M	-999	1.1	7.79	312
250051004	2013	5	25	19	V	2.3	1	6.41	314
250051004	2013	5	25	20	V	2.0	1	5.94	312
250051004	2013	5	25	21	V	2.3	1	6.01	312
250051004	2013	5	25	22	V	2.1	1.1	6.04	307

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	25	23	V	2.6	1	5.39	305
250051004	2013	5	25	24	V	2.8	0.9	4.92	302
250051004	2013	5	26	1	V	5.5	0.8	5.07	297
250051004	2013	5	26	2	V	8.4	1.3	6.06	295
250051004	2013	5	26	3	V	4.7	1.1	5.26	284
250051004	2013	5	26	4	V	5.4	1.1	5.38	283
250051004	2013	5	26	5	V	4.8	1	5.63	291
250051004	2013	5	26	6	V	5.0	0.9	6.01	281
250051004	2013	5	26	7	V	6.8	1.3	5.62	282
250051004	2013	5	26	8	V	6.1	0.4	6.36	293
250051004	2013	5	26	9	V	5.8	0.7	6.86	302
250051004	2013	5	26	10	V	5.4	1.1	7.84	295
250051004	2013	5	26	11	V	9.3	1.1	7.82	304
250051004	2013	5	26	12	V	7.8	1.1	8.79	303
250051004	2013	5	26	13	V	11.8	0.8	7.91	311
250051004	2013	5	26	14	V	8.3	0.8	8.39	306
250051004	2013	5	26	15	V	3.3	1.1	8.2	293
250051004	2013	5	26	16	V	2.3	0.8	8.03	306
250051004	2013	5	26	17	V	3.6	0.7	7.43	309
250051004	2013	5	26	18	V	2.5	0.7	6.48	312
250051004	2013	5	26	19	V	2.3	-999	6.06	305
250051004	2013	5	26	20	V	2.0	0.3	4.26	298
250051004	2013	5	26	21	V	2.3	0.5	3.13	299
250051004	2013	5	26	22	V	2.1	0.3	2.05	261
250051004	2013	5	26	23	V	2.6	0.6	2.76	246
250051004	2013	5	26	24	V	2.8	0.6	3.51	262
250051004	2013	5	27	1	V	5.5	0.5	2.96	261
250051004	2013	5	27	2	V	8.4	0.4	0.99	205
250051004	2013	5	27	3	V	4.7	0.4	1.84	248
250051004	2013	5	27	4	V	5.4	0.5	4	264
250051004	2013	5	27	5	V	4.8	0.5	5.38	263
250051004	2013	5	27	6	V	5.0	0.7	5.65	264
250051004	2013	5	27	7	V	6.8	0.9	4.75	266
250051004	2013	5	27	8	V	6.1	0.8	6.14	284
250051004	2013	5	27	9	V	5.8	0.3	5.82	283
250051004	2013	5	27	10	V	5.4	0.6	5.75	284
250051004	2013	5	27	11	V	9.3	0.5	6.78	284
250051004	2013	5	27	12	V	7.8	0.5	8.46	292
250051004	2013	5	27	13	V	11.8	0.6	3.86	288
250051004	2013	5	27	14	V	8.3	0.6	6.18	298
250051004	2013	5	27	15	V	3.3	0.8	5.84	299
250051004	2013	5	27	16	V	2.3	0.8	5.09	294
250051004	2013	5	27	17	V	3.6	0.8	5.12	293
250051004	2013	5	27	18	V	2.5	0.8	4.59	286
250051004	2013	5	27	19	V	2.3	0.9	4.29	258
250051004	2013	5	27	20	V	2.0	0.8	4.46	232

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	27	21	V	2.3	0.7	4.26	254
250051004	2013	5	27	22	V	2.1	0.7	3.75	259
250051004	2013	5	27	23	V	2.6	0.5	3.27	260
250051004	2013	5	27	24	V	2.8	0.7	2.5	263
250051004	2013	5	28	1	V	5.5	2.1	1.52	303
250051004	2013	5	28	2	V	8.4	1.1	1.04	272
250051004	2013	5	28	3	V	4.7	0.8	0.91	334
250051004	2013	5	28	4	V	5.4	0.6	1.38	282
250051004	2013	5	28	5	V	4.8	1.4	1.25	238
250051004	2013	5	28	6	V	5.0	1.3	0.97	285
250051004	2013	5	28	7	V	6.8	1.7	1.76	11
250051004	2013	5	28	8	V	6.1	0.9	1.25	54
250051004	2013	5	28	9	V	5.8	0.7	1.91	124
250051004	2013	5	28	10	V	5.4	0.8	2.88	159
250051004	2013	5	28	11	V	9.3	1.6	3.81	151
250051004	2013	5	28	12	V	7.8	2.5	4.24	149
250051004	2013	5	28	13	V	11.8	5.8	4.99	154
250051004	2013	5	28	14	V	8.3	5.9	5.84	147
250051004	2013	5	28	15	V	3.3	1.2	4.85	152
250051004	2013	5	28	16	V	2.3	1.5	4.73	164
250051004	2013	5	28	17	V	3.6	1.5	4.53	194
250051004	2013	5	28	18	V	2.5	1.2	4.02	209
250051004	2013	5	28	19	V	2.3	0.9	4.02	227
250051004	2013	5	28	20	V	2.0	0.7	3.15	212
250051004	2013	5	28	21	V	2.3	0.7	3.59	193
250051004	2013	5	28	22	V	2.1	0.5	3.34	197
250051004	2013	5	28	23	V	2.6	0.4	3.18	162
250051004	2013	5	28	24	V	2.8	0.4	3.47	156
250051004	2013	5	29	1	V	5.5	0.4	4.34	167
250051004	2013	5	29	2	V	8.4	0.3	4.97	166
250051004	2013	5	29	3	V	4.7	0.3	3.51	162
250051004	2013	5	29	4	V	5.4	0.5	3.78	166
250051004	2013	5	29	5	V	4.8	0.5	5.04	176
250051004	2013	5	29	6	V	5.0	0.6	3.61	184
250051004	2013	5	29	7	V	6.8	0.7	2.89	177
250051004	2013	5	29	8	V	6.1	0.5	3.05	162
250051004	2013	5	29	9	V	5.8	1.2	3.35	182
250051004	2013	5	29	10	V	5.4	3.7	2.71	199
250051004	2013	5	29	11	V	9.3	3.2	1.52	181
250051004	2013	5	29	12	V	7.8	3.7	3.63	162
250051004	2013	5	29	13	V	11.8	3	4.8	149
250051004	2013	5	29	14	V	8.3	3.2	4.17	138
250051004	2013	5	29	15	V	3.3	1	3.75	139
250051004	2013	5	29	16	V	2.3	1	3.83	171
250051004	2013	5	29	17	V	3.6	1	3.86	157
250051004	2013	5	29	18	V	2.5	1	3.12	141

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	29	19	V	2.3	-999	3.25	157
250051004	2013	5	29	20	V	2.0	0.7	2.45	157
250051004	2013	5	29	21	V	2.3	0.7	3	159
250051004	2013	5	29	22	V	2.1	0.6	3.97	258
250051004	2013	5	29	23	V	2.6	0.7	3	276
250051004	2013	5	29	24	V	2.8	0.7	2.78	190
250051004	2013	5	30	1	V	5.5	3	2.54	184
250051004	2013	5	30	2	V	8.4	4.7	2.37	204
250051004	2013	5	30	3	V	4.7	8	2.61	213
250051004	2013	5	30	4	V	5.4	5.4	1.08	198
250051004	2013	5	30	5	V	4.8	1.3	1.26	181
250051004	2013	5	30	6	V	5.0	2.8	1.67	181
250051004	2013	5	30	7	V	7.8	1.7	1.21	231
250051004	2013	5	30	8	V	6.3	1.2	2.15	261
250051004	2013	5	30	9	V	6.0	1.2	2.42	275
250051004	2013	5	30	10	V	5.5	1.2	3.13	279
250051004	2013	5	30	11	V	9.4	1.1	4.37	299
250051004	2013	5	30	12	V	7.9	1.2	4.05	277
250051004	2013	5	30	13	V	11.9	1.4	4.26	264
250051004	2013	5	30	14	V	8.4	1.8	4.51	261
250051004	2013	5	30	15	V	3.4	1.6	5.04	267
250051004	2013	5	30	16	V	2.4	1.6	5.41	251
250051004	2013	5	30	17	V	3.6	1.4	6.09	216
250051004	2013	5	30	18	V	2.5	1.4	3.86	216
250051004	2013	5	30	19	V	2.3	-999	3.36	235
250051004	2013	5	30	20	V	2.0	1.3	3.98	237
250051004	2013	5	30	21	V	2.3	1.4	4.22	247
250051004	2013	5	30	22	V	2.1	1.4	4.7	257
250051004	2013	5	30	23	V	2.6	1.4	4.24	258
250051004	2013	5	30	24	V	2.8	2.5	3.47	261
250051004	2013	5	31	1	V	5.5	12.6	3.51	263
250051004	2013	5	31	2	V	8.4	3.2	2.5	266
250051004	2013	5	31	3	V	4.7	2	1.84	250
250051004	2013	5	31	4	V	5.4	1.9	1.57	241
250051004	2013	5	31	5	V	4.8	1.5	1.28	238
250051004	2013	5	31	6	V	5.0	1.8	0.74	236
250051004	2013	5	31	7	V	6.8	1.5	1.14	251
250051004	2013	5	31	8	V	7.2	1.6	1.4	214
250051004	2013	5	31	9	V	6.2	1.5	1.99	162
250051004	2013	5	31	10	V	5.6	1.2	2.96	151
250051004	2013	5	31	11	V	9.3	3.8	5.16	155
250051004	2013	5	31	12	V	7.8	5.4	5.22	153
250051004	2013	5	31	13	V	11.8	4.8	5.53	151
250051004	2013	5	31	14	V	8.3	7	4.47	149
250051004	2013	5	31	15	V	3.3	2.3	6.96	215
250051004	2013	5	31	16	V	2.3	1.9	7.46	203

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	5	31	17	V	3.6	1.9	6.46	222
250051004	2013	5	31	18	V	2.5	2	5.96	234
250051004	2013	5	31	19	V	2.3	0.6	4.86	224
250051004	2013	5	31	20	V	2.0	0.8	4.86	244
250051004	2013	5	31	21	V	2.3	1.2	4.36	241
250051004	2013	5	31	22	V	2.1	1.2	4.86	245
250051004	2013	5	31	23	V	2.6	1.3	2.86	227
250051004	2013	5	31	24	V	2.8	1.3	2.86	207
250051004	2013	6	1	1	V	9.1	1.4	2.78	198
250051004	2013	6	1	2	V	6.4	1.2	2.45	174
250051004	2013	6	1	3	V	9.1	1.3	2.28	171
250051004	2013	6	1	4	V	7.6	1.1	2.06	168
250051004	2013	6	1	5	V	7.4	1.1	1.28	151
250051004	2013	6	1	6	V	8.0	1.2	2.11	167
250051004	2013	6	1	7	V	7.8	1.4	2.84	195
250051004	2013	6	1	8	V	7.5	1.4	3.81	229
250051004	2013	6	1	9	V	7.3	1.5	4.37	234
250051004	2013	6	1	10	V	7.3	1.4	5.48	237
250051004	2013	6	1	11	V	10.5	1.5	7.09	229
250051004	2013	6	1	12	V	18.4	1.5	7.23	221
250051004	2013	6	1	13	V	15.9	1.3	7.48	214
250051004	2013	6	1	14	V	17.0	1.4	7.72	217
250051004	2013	6	1	15	V	6.4	1.4	8.05	216
250051004	2013	6	1	16	V	6.0	1.5	7.84	217
250051004	2013	6	1	17	V	4.3	-999	7.82	221
250051004	2013	6	1	18	V	3.6	1.4	6.34	210
250051004	2013	6	1	19	V	3.3	1.1	5.19	208
250051004	2013	6	1	20	V	3.2	1.1	4.34	194
250051004	2013	6	1	21	V	3.1	-999	4.41	198
250051004	2013	6	1	22	V	3.0	1.2	4.32	224
250051004	2013	6	1	23	V	3.1	1.4	3.64	209
250051004	2013	6	1	24	V	6.8	1.3	2.95	192
250051004	2013	6	2	1	V	9.1	1.2	3.39	185
250051004	2013	6	2	2	V	6.4	1.3	2.28	161
250051004	2013	6	2	3	V	9.1	-999	2.61	166
250051004	2013	6	2	4	V	7.6	1.3	2.67	184
250051004	2013	6	2	5	V	7.4	-999	3.78	175
250051004	2013	6	2	6	V	8.0	0.9	4.03	192
250051004	2013	6	2	7	V	7.9	0.9	3.69	180
250051004	2013	6	2	8	V	7.5	1.1	4.2	158
250051004	2013	6	2	9	V	7.3	1.1	5.45	145
250051004	2013	6	2	10	V	7.3	1.2	5.55	144
250051004	2013	6	2	11	V	10.5	1.3	5.62	162
250051004	2013	6	2	12	V	18.4	1.5	7.67	195
250051004	2013	6	2	13	V	15.9	-999	8.5	203
250051004	2013	6	2	14	V	16.9	-999	8.79	196

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	2	15	V	6.4	-999	8.71	189
250051004	2013	6	2	16	V	6.0	-999	9.76	204
250051004	2013	6	2	17	V	4.3	-999	9.61	209
250051004	2013	6	2	18	V	3.6	-999	7.55	209
250051004	2013	6	2	19	V	3.3	1.3	6.36	213
250051004	2013	6	2	20	V	3.2	1.5	5.53	210
250051004	2013	6	2	21	V	3.1	1.4	4.71	206
250051004	2013	6	2	22	V	3.0	1.4	4.22	200
250051004	2013	6	2	23	V	3.1	1.2	3.61	191
250051004	2013	6	2	24	V	6.8	-999	4.1	177
250051004	2013	6	3	1	V	9.1	-999	3.44	180
250051004	2013	6	3	2	V	6.4	5.6	3.74	182
250051004	2013	6	3	3	V	9.1	4.9	3.37	196
250051004	2013	6	3	4	V	7.6	3.8	3.32	205
250051004	2013	6	3	5	V	7.4	4	3.75	189
250051004	2013	6	3	6	V	8.0	2.6	3.93	199
250051004	2013	6	3	7	V	7.8	5.7	3.73	217
250051004	2013	6	3	8	V	7.6	6.1	2.13	203
250051004	2013	6	3	9	V	7.4	5.4	2.15	179
250051004	2013	6	3	10	V	7.3	7.1	3.49	220
250051004	2013	6	3	11	V	10.6	3.8	2.83	267
250051004	2013	6	3	12	V	18.5	2.5	2.08	272
250051004	2013	6	3	13	V	16.0	3.4	2.27	244
250051004	2013	6	3	14	V	17.0	3.1	2.88	241
250051004	2013	6	3	15	V	6.4	1.6	3.86	185
250051004	2013	6	3	16	V	6.0	1.5	3.95	183
250051004	2013	6	3	17	V	4.4	1.3	4.49	178
250051004	2013	6	3	18	V	3.6	1.4	4.56	180
250051004	2013	6	3	19	V	3.3	1.3	4.2	179
250051004	2013	6	3	20	V	3.2	1.3	3.41	215
250051004	2013	6	3	21	V	3.1	1.2	2.35	263
250051004	2013	6	3	22	V	3.0	1	1.96	259
250051004	2013	6	3	23	V	3.1	1.1	4.36	318
250051004	2013	6	3	24	V	6.8	1.2	7.96	307
250051004	2013	6	4	1	V	9.1	1.2	5.8	302
250051004	2013	6	4	2	V	6.4	1.2	5.07	308
250051004	2013	6	4	3	V	9.1	1.1	5.5	309
250051004	2013	6	4	4	V	7.6	1.3	4.48	325
250051004	2013	6	4	5	V	7.4	1.6	3.56	304
250051004	2013	6	4	6	V	8.0	1.1	3.47	292
250051004	2013	6	4	7	V	8.0	1.2	4.83	310
250051004	2013	6	4	8	V	7.8	-999	5.96	311
250051004	2013	6	4	9	V	8.7	-999	5.73	315
250051004	2013	6	4	10	V	11.0	-999	5.94	320
250051004	2013	6	4	11	V	11.2	-999	5.19	310
250051004	2013	6	4	12	V	18.9	1.1	6.41	310

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	4	13	V	17.3	-999	5.9	313
250051004	2013	6	4	14	V	19.2	1	5.79	316
250051004	2013	6	4	15	V	7.7	-999	5.82	313
250051004	2013	6	4	16	V	6.0	1.2	6.07	301
250051004	2013	6	4	17	V	5.3	1	5.31	312
250051004	2013	6	4	18	V	3.7	1.3	4.73	307
250051004	2013	6	4	19	V	3.3	1.2	3.44	290
250051004	2013	6	4	20	V	3.2	1	2.81	265
250051004	2013	6	4	21	V	3.1	1	2.73	264
250051004	2013	6	4	22	V	3.0	0.9	2.22	285
250051004	2013	6	4	23	V	3.1	0.9	1.54	249
250051004	2013	6	4	24	V	6.8	1.2	2.98	324
250051004	2013	6	5	1	V	9.1	1	3.12	3
250051004	2013	6	5	2	V	6.4	0.9	1.93	360
250051004	2013	6	5	3	V	9.1	0.9	1.67	306
250051004	2013	6	5	4	V	7.6	0.8	1.38	258
250051004	2013	6	5	5	V	7.4	0.5	1.6	293
250051004	2013	6	5	6	V	8.1	0.7	1.48	268
250051004	2013	6	5	7	V	9.9	0.9	1.47	301
250051004	2013	6	5	8	V	7.6	0.5	2.52	12
250051004	2013	6	5	9	V	7.4	0.8	2.81	39
250051004	2013	6	5	10	V	8.2	1.6	2.44	356
250051004	2013	6	5	11	V	10.7	9.8	1.93	88
250051004	2013	6	5	12	V	18.5	4.9	3.05	168
250051004	2013	6	5	13	V	15.9	2.9	5.02	158
250051004	2013	6	5	14	V	17.0	5.1	5.77	153
250051004	2013	6	5	15	V	6.4	1	5.8	155
250051004	2013	6	5	16	V	6.0	0.9	5.22	180
250051004	2013	6	5	17	V	4.4	0.8	5.43	195
250051004	2013	6	5	18	V	3.6	0.8	6.18	197
250051004	2013	6	5	19	V	3.3	-999	4.87	203
250051004	2013	6	5	20	V	3.2	0.5	2.91	197
250051004	2013	6	5	21	V	3.1	0.8	2.91	180
250051004	2013	6	5	22	V	3.0	0.7	2.72	178
250051004	2013	6	5	23	V	3.1	0.6	2.07	203
250051004	2013	6	5	24	V	6.8	8.3	1.96	217
250051004	2013	6	6	1	V	9.1	3.8	1.43	195
250051004	2013	6	6	2	V	6.4	-999	1.88	192
250051004	2013	6	6	3	V	9.1	-999	1.48	235
250051004	2013	6	6	4	V	7.6	1	1.03	261
250051004	2013	6	6	5	V	7.4	1.1	1.11	248
250051004	2013	6	6	6	V	8.0	2.7	1.55	264
250051004	2013	6	6	7	V	7.8	1.8	1.18	272
250051004	2013	6	6	8	V	7.8	1.1	1.72	207
250051004	2013	6	6	9	V	7.9	1.1	1.74	174
250051004	2013	6	6	10	V	7.6	1	2.37	158

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	6	11	V	10.6	1.3	3.98	166
250051004	2013	6	6	12	V	18.4	0.7	5.02	161
250051004	2013	6	6	13	V	15.9	0.7	5.99	163
250051004	2013	6	6	14	V	17.0	0.7	6.02	163
250051004	2013	6	6	15	V	6.4	0.7	5.96	159
250051004	2013	6	6	16	V	6.0	0.8	6.07	164
250051004	2013	6	6	17	V	4.3	0.8	4.66	163
250051004	2013	6	6	18	V	3.6	0.8	3.32	147
250051004	2013	6	6	19	V	3.3	0.9	2.73	122
250051004	2013	6	6	20	V	3.2	1	2.93	132
250051004	2013	6	6	21	V	3.1	0.9	3.17	127
250051004	2013	6	6	22	V	3.0	0.9	2.62	133
250051004	2013	6	6	23	V	3.1	0.9	2.08	113
250051004	2013	6	6	24	V	6.8	0.9	1.65	119
250051004	2013	6	7	1	V	9.1	0.9	2.74	54
250051004	2013	6	7	2	V	6.4	1.1	3.59	57
250051004	2013	6	7	3	V	9.1	1	2.61	46
250051004	2013	6	7	4	V	7.6	0.9	2.59	46
250051004	2013	6	7	5	V	7.4	0.9	2.76	38
250051004	2013	6	7	6	V	8.0	0.9	3.22	50
250051004	2013	6	7	7	V	7.8	0.7	3.12	54
250051004	2013	6	7	8	V	7.5	0.9	3.13	60
250051004	2013	6	7	9	V	7.3	0.8	3.01	46
250051004	2013	6	7	10	V	7.3	0.8	2.4	57
250051004	2013	6	7	11	V	10.5	0.6	3	103
250051004	2013	6	7	12	V	18.4	0.7	4.58	105
250051004	2013	6	7	13	V	15.9	1	4.73	89
250051004	2013	6	7	14	V	16.9	1	4.97	89
250051004	2013	6	7	15	V	6.4	1	4.63	84
250051004	2013	6	7	16	V	6.0	1.1	4.29	75
250051004	2013	6	7	17	V	4.3	1.2	4.48	58
250051004	2013	6	7	18	V	3.6	1.1	5.44	45
250051004	2013	6	7	19	V	3.3	1.3	6.41	33
250051004	2013	6	7	20	V	3.2	1.2	5.75	19
250051004	2013	6	7	21	V	3.1	1.2	6.92	10
250051004	2013	6	7	22	V	3.0	1.2	5.73	12
250051004	2013	6	7	23	V	3.1	1.2	5.36	13
250051004	2013	6	7	24	V	6.8	1.3	4.71	22
250051004	2013	6	8	1	V	9.1	-999	5.8	5
250051004	2013	6	8	2	V	6.4	-999	4.94	8
250051004	2013	6	8	3	V	9.1	1.6	4.42	2
250051004	2013	6	8	4	V	7.6	1.6	5.96	6
250051004	2013	6	8	5	V	7.4	1.4	6.96	358
250051004	2013	6	8	6	V	8.0	1.8	5.36	346
250051004	2013	6	8	7	V	7.8	1.7	5.96	337
250051004	2013	6	8	8	V	7.5	1.7	5.96	309

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	8	9	V	7.3	1.6	7.46	327
250051004	2013	6	8	10	V	7.3	1.5	5.36	294
250051004	2013	6	8	11	V	10.5	1.5	5.82	288
250051004	2013	6	8	12	V	18.4	1.4	5.33	273
250051004	2013	6	8	13	V	15.9	1.5	5.46	255
250051004	2013	6	8	14	V	16.9	1.5	5.48	246
250051004	2013	6	8	15	V	6.4	1.7	5.62	245
250051004	2013	6	8	16	V	6.0	-999	6.04	250
250051004	2013	6	8	17	V	4.3	1.5	5.73	261
250051004	2013	6	8	18	V	3.6	1.5	4.48	275
250051004	2013	6	8	19	V	3.3	-999	3.47	302
250051004	2013	6	8	20	V	3.2	1.2	3.1	250
250051004	2013	6	8	21	V	3.1	1.2	3.05	222
250051004	2013	6	8	22	V	3.0	1.3	2.32	277
250051004	2013	6	8	23	V	3.1	1.3	2.35	268
250051004	2013	6	8	24	V	6.8	1.2	1.76	269
250051004	2013	6	9	1	V	9.1	1.1	1.74	313
250051004	2013	6	9	2	V	6.4	1.1	1.98	279
250051004	2013	6	9	3	V	9.1	1	2.69	270
250051004	2013	6	9	4	V	7.6	1.1	2.59	265
250051004	2013	6	9	5	V	7.4	1.1	1.81	266
250051004	2013	6	9	6	V	8.0	1.1	3.78	262
250051004	2013	6	9	7	V	7.8	1.2	3.93	281
250051004	2013	6	9	8	V	7.5	1	3.95	293
250051004	2013	6	9	9	V	7.3	1.1	5.36	300
250051004	2013	6	9	10	V	7.3	1	4.9	307
250051004	2013	6	9	11	V	10.5	1	4.58	294
250051004	2013	6	9	12	V	18.4	1	4.2	266
250051004	2013	6	9	13	V	15.9	1.1	4.1	295
250051004	2013	6	9	14	V	16.9	1.2	3.83	269
250051004	2013	6	9	15	V	6.4	-999	4.78	274
250051004	2013	6	9	16	V	6.0	-999	4.37	284
250051004	2013	6	9	17	V	4.3	1.9	4.03	286
250051004	2013	6	9	18	V	3.6	1.1	4.61	218
250051004	2013	6	9	19	V	3.3	1.2	3.81	237
250051004	2013	6	9	20	V	3.2	1.2	3.05	232
250051004	2013	6	9	21	V	3.1	1	2.96	243
250051004	2013	6	9	22	V	3.0	1	2.93	257
250051004	2013	6	9	23	V	3.1	0.7	2.67	258
250051004	2013	6	9	24	V	6.8	1.1	3.15	267
250051004	2013	6	10	1	V	9.1	1.1	2.28	272
250051004	2013	6	10	2	V	6.4	1	1.33	271
250051004	2013	6	10	3	V	9.1	1.1	1.38	269
250051004	2013	6	10	4	V	7.6	1.1	0.89	310
250051004	2013	6	10	5	V	7.4	1.1	1.42	228
250051004	2013	6	10	6	V	8.0	1.4	1.48	244

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	10	7	V	7.8	1.4	1.21	313
250051004	2013	6	10	8	V	7.5	1.2	2.11	50
250051004	2013	6	10	9	V	7.3	1.2	1.5	78
250051004	2013	6	10	10	V	7.3	1.2	1.74	64
250051004	2013	6	10	11	V	10.5	1.1	1.77	67
250051004	2013	6	10	12	V	18.4	1.2	2.72	58
250051004	2013	6	10	13	V	15.9	1	3.37	58
250051004	2013	6	10	14	V	16.9	0.9	3.39	70
250051004	2013	6	10	15	V	6.4	1.1	3.32	89
250051004	2013	6	10	16	V	6.0	-999	3.69	117
250051004	2013	6	10	17	V	4.3	1.1	3.1	110
250051004	2013	6	10	18	V	3.6	1	3.03	102
250051004	2013	6	10	19	V	3.3	-999	4.2	89
250051004	2013	6	10	20	V	3.2	0.7	4.26	86
250051004	2013	6	10	21	V	3.1	0.9	4.83	83
250051004	2013	6	10	22	V	3.0	1.2	3.34	86
250051004	2013	6	10	23	V	3.1	1.2	3.97	88
250051004	2013	6	10	24	V	6.8	1.2	3.32	55
250051004	2013	6	11	1	V	9.1	1.4	3.3	37
250051004	2013	6	11	2	V	6.4	1.2	3.12	53
250051004	2013	6	11	3	V	9.1	1.4	2.98	42
250051004	2013	6	11	4	V	7.6	1.4	2.45	19
250051004	2013	6	11	5	V	7.4	1.5	2.66	356
250051004	2013	6	11	6	V	8.0	1.5	2.66	358
250051004	2013	6	11	7	V	7.8	4.8	2.18	327
250051004	2013	6	11	8	V	7.5	8.4	1.82	322
250051004	2013	6	11	9	V	7.3	8.3	0.87	299
250051004	2013	6	11	10	V	7.3	6.7	1.11	336
250051004	2013	6	11	11	V	10.5	2.8	1.91	12
250051004	2013	6	11	12	V	18.4	2.5	2.42	358
250051004	2013	6	11	13	V	15.9	3.1	3.3	288
250051004	2013	6	11	14	V	16.9	3.1	3.81	274
250051004	2013	6	11	15	V	6.4	2.1	2.86	249
250051004	2013	6	11	16	V	6.0	2.3	4.59	147
250051004	2013	6	11	17	V	4.3	2.3	5.6	196
250051004	2013	6	11	18	V	3.6	2	4.87	206
250051004	2013	6	11	19	V	3.3	2.2	4.82	204
250051004	2013	6	11	20	V	3.2	2	5.24	292
250051004	2013	6	11	21	V	3.1	1.9	4.1	342
250051004	2013	6	11	22	V	3.0	-999	1.59	322
250051004	2013	6	11	23	V	3.1	-999	0.96	44
250051004	2013	6	11	24	V	6.8	-999	2.25	216
250051004	2013	6	12	1	V	9.1	-999	5.29	273
250051004	2013	6	12	2	V	6.4	-999	6.02	265
250051004	2013	6	12	3	V	9.1	-999	6.02	270
250051004	2013	6	12	4	V	7.6	0.4	4.9	271

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	12	5	V	7.4	0.9	5.36	267
250051004	2013	6	12	6	V	8.0	1.2	5.8	273
250051004	2013	6	12	7	V	7.8	1.2	6.53	284
250051004	2013	6	12	8	V	7.5	0.9	7.11	296
250051004	2013	6	12	9	V	7.3	-999	7.33	302
250051004	2013	6	12	10	V	7.3	1.7	7.93	308
250051004	2013	6	12	11	V	10.5	1.3	7.64	299
250051004	2013	6	12	12	V	18.4	1.7	7.4	299
250051004	2013	6	12	13	V	15.9	1.5	7.71	296
250051004	2013	6	12	14	V	16.9	1.7	7.65	301
250051004	2013	6	12	15	V	6.4	1.7	8.44	310
250051004	2013	6	12	16	V	6.0	1.7	8.23	313
250051004	2013	6	12	17	V	4.3	1.9	6.65	326
250051004	2013	6	12	18	V	3.6	1.4	7.01	322
250051004	2013	6	12	19	V	3.3	2.1	5.12	313
250051004	2013	6	12	20	V	3.2	1.5	3.76	310
250051004	2013	6	12	21	V	3.1	1.6	2.64	302
250051004	2013	6	12	22	V	3.0	-999	2.79	318
250051004	2013	6	12	23	V	3.1	-999	2.5	292
250051004	2013	6	12	24	V	6.8	-999	3.27	312
250051004	2013	6	13	1	V	9.1	-999	3.03	334
250051004	2013	6	13	2	V	6.4	-999	1.52	284
250051004	2013	6	13	3	V	9.1	-999	1.91	255
250051004	2013	6	13	4	V	7.6	-999	1.86	258
250051004	2013	6	13	5	V	7.4	-999	1.82	256
250051004	2013	6	13	6	V	8.0	-999	1.28	222
250051004	2013	6	13	7	V	7.8	-999	0.82	249
250051004	2013	6	13	8	V	7.5	-999	1.11	140
250051004	2013	6	13	9	V	7.3	-999	1.11	156
250051004	2013	6	13	10	V	7.3	-999	1.93	160
250051004	2013	6	13	11	V	10.5	-999	2.78	176
250051004	2013	6	13	12	V	18.4	0.9	1.53	147
250051004	2013	6	13	13	V	15.9	1.1	2.86	113
250051004	2013	6	13	14	V	16.9	1.4	2.33	132
250051004	2013	6	13	15	V	6.4	1.4	2.93	107
250051004	2013	6	13	16	V	6.0	1.7	4.5	100
250051004	2013	6	13	17	V	4.3	1.4	4.46	111
250051004	2013	6	13	18	V	3.6	1.4	5.7	106
250051004	2013	6	13	19	V	3.3	1.5	5.46	44
250051004	2013	6	13	20	V	3.2	1.5	6.58	36
250051004	2013	6	13	21	V	3.1	1.6	6.07	36
250051004	2013	6	13	22	V	3.0	1.4	6.92	37
250051004	2013	6	13	23	V	3.1	1.4	7.57	30
250051004	2013	6	13	24	V	6.8	1.4	7.94	26
250051004	2013	6	14	1	V	9.1	1.6	8.4	34
250051004	2013	6	14	2	V	6.4	1.5	7.38	32

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	14	3	V	9.1	1.4	6.75	27
250051004	2013	6	14	4	V	7.6	1.7	7.59	26
250051004	2013	6	14	5	V	7.4	1.7	6.99	18
250051004	2013	6	14	6	V	8.0	1.7	6.47	21
250051004	2013	6	14	7	V	7.8	1.6	6.98	22
250051004	2013	6	14	8	V	7.5	1.6	8.57	22
250051004	2013	6	14	9	V	7.3	1.6	8.54	26
250051004	2013	6	14	10	V	7.3	-999	8.37	26
250051004	2013	6	14	11	V	10.5	1.6	8.17	19
250051004	2013	6	14	12	V	18.4	1.7	8.28	15
250051004	2013	6	14	13	V	15.9	1.5	8.71	22
250051004	2013	6	14	14	V	16.9	1.5	5.85	11
250051004	2013	6	14	15	V	6.4	1.5	4.46	350
250051004	2013	6	14	16	V	6.0	2.1	4.19	323
250051004	2013	6	14	17	V	4.3	1.6	3.63	298
250051004	2013	6	14	18	V	3.6	1.6	3.35	302
250051004	2013	6	14	19	V	3.3	1.8	2.88	272
250051004	2013	6	14	20	V	3.2	1.6	3.17	260
250051004	2013	6	14	21	V	3.1	1.5	3.12	259
250051004	2013	6	14	22	V	3.0	1.7	4.53	267
250051004	2013	6	14	23	V	3.1	1.7	3.9	275
250051004	2013	6	14	24	V	6.8	1.6	2.89	279
250051004	2013	6	15	1	V	9.1	-999	3.66	307
250051004	2013	6	15	2	V	6.4	-999	3.85	321
250051004	2013	6	15	3	V	9.1	1.8	2.84	324
250051004	2013	6	15	4	V	7.6	1.5	3.98	321
250051004	2013	6	15	5	V	7.4	-999	3.66	314
250051004	2013	6	15	6	V	8.0	4.3	4.17	322
250051004	2013	6	15	7	V	7.8	1.9	4.92	332
250051004	2013	6	15	8	V	7.5	1.5	4.82	338
250051004	2013	6	15	9	V	7.3	2.2	4.31	326
250051004	2013	6	15	10	V	7.3	1.6	4.76	332
250051004	2013	6	15	11	V	10.5	1.5	4.02	331
250051004	2013	6	15	12	V	18.4	1.4	3.81	306
250051004	2013	6	15	13	V	15.9	1.5	5.33	279
250051004	2013	6	15	14	V	16.9	1.4	4.97	284
250051004	2013	6	15	15	V	6.4	1.5	4.54	288
250051004	2013	6	15	16	V	6.0	1.3	4.03	290
250051004	2013	6	15	17	V	4.3	1.3	4.08	277
250051004	2013	6	15	18	V	3.6	1.4	4.9	273
250051004	2013	6	15	19	V	3.3	1.3	3.56	275
250051004	2013	6	15	20	V	3.2	1.4	2.2	262
250051004	2013	6	15	21	V	3.1	1.4	2.1	240
250051004	2013	6	15	22	V	3.0	1.4	2.4	244
250051004	2013	6	15	23	V	3.1	1.4	2.13	251
250051004	2013	6	15	24	V	6.8	1.2	3.37	263

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	16	1	V	9.1	1.3	3.47	269
250051004	2013	6	16	2	V	6.4	1.2	2.62	271
250051004	2013	6	16	3	V	9.1	1.4	2.74	261
250051004	2013	6	16	4	V	7.6	1.2	2.16	248
250051004	2013	6	16	5	V	7.4	1.3	2.23	252
250051004	2013	6	16	6	V	8.0	1.5	2.52	254
250051004	2013	6	16	7	V	7.8	1.6	2.45	251
250051004	2013	6	16	8	V	7.5	1.6	2.84	255
250051004	2013	6	16	9	V	7.3	1.6	3.32	255
250051004	2013	6	16	10	V	7.3	1.5	5.07	246
250051004	2013	6	16	11	V	10.5	1.5	4.92	213
250051004	2013	6	16	12	V	18.4	1.2	4.46	198
250051004	2013	6	16	13	V	15.9	1.4	5.09	191
250051004	2013	6	16	14	V	16.9	1.7	6.38	203
250051004	2013	6	16	15	V	6.4	1.5	5.68	193
250051004	2013	6	16	16	V	6.0	-999	6.3	193
250051004	2013	6	16	17	V	4.3	2.2	5.43	179
250051004	2013	6	16	18	V	3.6	-999	5.36	203
250051004	2013	6	16	19	V	3.3	1.7	4.65	207
250051004	2013	6	16	20	V	3.2	1.7	3.78	222
250051004	2013	6	16	21	V	3.1	1.6	3.51	229
250051004	2013	6	16	22	V	3.0	1.8	3.49	234
250051004	2013	6	16	23	V	3.1	1.8	3.44	258
250051004	2013	6	16	24	V	6.8	1.8	3.64	262
250051004	2013	6	17	1	V	9.1	1.6	2.89	276
250051004	2013	6	17	2	V	6.4	1.6	4.36	278
250051004	2013	6	17	3	V	9.1	1.5	4.14	275
250051004	2013	6	17	4	V	7.6	1.5	3.35	265
250051004	2013	6	17	5	V	7.4	1.4	2.95	276
250051004	2013	6	17	6	V	8.0	1.5	1.86	239
250051004	2013	6	17	7	V	7.8	-999	3.18	256
250051004	2013	6	17	8	V	7.5	-999	4.07	247
250051004	2013	6	17	9	V	7.3	-999	4.41	249
250051004	2013	6	17	10	V	7.3	-999	4.65	261
250051004	2013	6	17	11	V	10.5	-999	4.63	255
250051004	2013	6	17	12	V	18.4	2.1	5.43	252
250051004	2013	6	17	13	V	15.9	5	6.06	244
250051004	2013	6	17	14	V	16.9	3.1	6.45	218
250051004	2013	6	17	15	V	6.4	2.1	6.98	203
250051004	2013	6	17	16	V	6.0	2.6	6.99	209
250051004	2013	6	17	17	V	4.3	2.2	7.3	220
250051004	2013	6	17	18	V	3.6	2	6.79	264
250051004	2013	6	17	19	V	3.3	-999	4.34	358
250051004	2013	6	17	20	V	3.2	1.3	1.79	111
250051004	2013	6	17	21	V	3.1	1.3	1.06	203
250051004	2013	6	17	22	V	3.0	1.3	1.62	202

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	17	23	V	3.1	1.3	1.99	212
250051004	2013	6	17	24	V	6.8	2.4	1.94	235
250051004	2013	6	18	1	C	-999	2.1	0	0
250051004	2013	6	18	2	C	-999	-999	0	0
250051004	2013	6	18	3	C	-999	-999	0	0
250051004	2013	6	18	4	V	7.6	1.6	1.76	205
250051004	2013	6	18	5	C	-999	1.7	0	0
250051004	2013	6	18	6	C	-999	1.6	0	0
250051004	2013	6	18	7	C	-999	2.7	0	0
250051004	2013	6	18	8	V	7.5	2.3	1.99	24
250051004	2013	6	18	9	V	7.6	1.8	1.77	28
250051004	2013	6	18	10	V	7.5	2	1.79	67
250051004	2013	6	18	11	V	10.7	3.1	1.91	95
250051004	2013	6	18	12	V	18.5	2.8	2.71	161
250051004	2013	6	18	13	V	15.9	3.5	4.31	164
250051004	2013	6	18	14	V	17.0	1.6	4.82	163
250051004	2013	6	18	15	V	6.4	1.6	4.51	162
250051004	2013	6	18	16	V	6.0	1.6	7.01	45
250051004	2013	6	18	17	V	4.3	1.6	6.79	55
250051004	2013	6	18	18	V	3.6	1.6	4.53	41
250051004	2013	6	18	19	V	3.3	2	5.05	12
250051004	2013	6	18	20	V	3.2	1.5	2.76	46
250051004	2013	6	18	21	V	3.1	1.4	3.56	40
250051004	2013	6	18	22	V	3.0	1.4	3.29	33
250051004	2013	6	18	23	V	3.1	1.5	3.9	13
250051004	2013	6	18	24	V	6.8	1.5	4.59	357
250051004	2013	6	19	1	V	9.1	1.3	5.39	360
250051004	2013	6	19	2	V	6.4	1.3	5.56	360
250051004	2013	6	19	3	V	9.1	1.4	6.11	3
250051004	2013	6	19	4	V	7.6	1.5	4.61	357
250051004	2013	6	19	5	V	7.4	1.4	4.02	351
250051004	2013	6	19	6	V	8.0	1.3	4.53	352
250051004	2013	6	19	7	V	7.8	1.4	5.17	5
250051004	2013	6	19	8	V	7.5	1.2	5.41	357
250051004	2013	6	19	9	V	7.3	1.8	5.43	9
250051004	2013	6	19	10	V	7.3	1.5	5.36	20
250051004	2013	6	19	11	V	10.5	1.5	5.34	22
250051004	2013	6	19	12	V	18.4	1.5	4.19	32
250051004	2013	6	19	13	V	15.9	1.4	3.83	30
250051004	2013	6	19	14	V	17.2	1.4	3.2	358
250051004	2013	6	19	15	V	6.8	1.5	3.63	352
250051004	2013	6	19	16	V	6.9	1.4	2.42	355
250051004	2013	6	19	17	V	4.4	2.3	3.1	217
250051004	2013	6	19	18	V	3.6	1.4	5.34	177
250051004	2013	6	19	19	V	3.3	1.4	4.22	172
250051004	2013	6	19	20	V	3.2	1.3	2.3	164

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	19	21	V	3.1	1.1	2.32	184
250051004	2013	6	19	22	V	3.0	1.2	2.22	191
250051004	2013	6	19	23	V	3.1	1.1	1.48	196
250051004	2013	6	19	24	V	6.8	5.6	1.42	208
250051004	2013	6	20	1	V	9.1	5.3	0.94	214
250051004	2013	6	20	2	V	6.4	5.5	1.18	215
250051004	2013	6	20	3	V	9.1	2.6	1.26	256
250051004	2013	6	20	4	C	-999	1.6	0	0
250051004	2013	6	20	5	V	7.4	2	0.7	181
250051004	2013	6	20	6	V	8.2	3.2	0.86	76
250051004	2013	6	20	7	V	8.4	1.6	1.04	11
250051004	2013	6	20	8	V	8.9	1.7	1.06	3
250051004	2013	6	20	9	V	7.8	1.8	0.96	213
250051004	2013	6	20	10	V	7.5	3.4	1.4	241
250051004	2013	6	20	11	V	10.6	2.2	2.38	206
250051004	2013	6	20	12	V	18.4	1.3	2.9	208
250051004	2013	6	20	13	V	15.9	1.2	4.39	158
250051004	2013	6	20	14	V	16.9	1.4	5.38	148
250051004	2013	6	20	15	V	6.4	1.1	4.36	141
250051004	2013	6	20	16	V	6.0	1	4.22	238
250051004	2013	6	20	17	V	4.3	1.1	6.97	206
250051004	2013	6	20	18	V	3.6	1	6.09	210
250051004	2013	6	20	19	V	3.3	-999	5.36	215
250051004	2013	6	20	20	V	3.2	0.9	4.71	217
250051004	2013	6	20	21	V	3.1	1.1	4.07	205
250051004	2013	6	20	22	V	3.0	0.9	2.81	197
250051004	2013	6	20	23	V	3.1	1	2.79	191
250051004	2013	6	20	24	V	6.8	10.2	3.25	188
250051004	2013	6	21	1	V	9.1	5.2	2.95	186
250051004	2013	6	21	2	V	6.4	5.7	2.9	197
250051004	2013	6	21	3	V	9.1	3.5	2.88	194
250051004	2013	6	21	4	V	7.6	3.8	2.49	192
250051004	2013	6	21	5	V	7.4	3.4	2.25	178
250051004	2013	6	21	6	V	8.0	3.9	2.01	189
250051004	2013	6	21	7	V	7.8	2.6	4.05	226
250051004	2013	6	21	8	V	7.5	2.6	4.71	231
250051004	2013	6	21	9	V	7.3	1.2	4.9	233
250051004	2013	6	21	10	V	7.3	3	4.56	236
250051004	2013	6	21	11	V	10.5	3.9	3.76	231
250051004	2013	6	21	12	V	18.4	5.6	3.75	212
250051004	2013	6	21	13	V	15.9	3.4	5.16	206
250051004	2013	6	21	14	V	16.9	2.9	6.23	199
250051004	2013	6	21	15	V	6.4	1.5	6.3	210
250051004	2013	6	21	16	V	6.0	1.3	5.84	219
250051004	2013	6	21	17	V	4.3	1.2	5.82	227
250051004	2013	6	21	18	V	3.6	1.2	5.43	216

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	21	19	V	3.3	1.2	4.32	219
250051004	2013	6	21	20	V	3.2	1.2	3.63	210
250051004	2013	6	21	21	V	3.1	0.9	3.27	212
250051004	2013	6	21	22	V	3.0	1.1	3	220
250051004	2013	6	21	23	V	3.1	1.2	2.96	209
250051004	2013	6	21	24	V	6.8	1.2	3.3	206
250051004	2013	6	22	1	V	9.1	1.2	3	210
250051004	2013	6	22	2	V	6.4	1.1	3.1	211
250051004	2013	6	22	3	V	9.1	1.3	2.37	209
250051004	2013	6	22	4	V	7.6	1.1	2.79	198
250051004	2013	6	22	5	V	7.4	1.3	3.3	212
250051004	2013	6	22	6	V	8.0	1.2	3.51	218
250051004	2013	6	22	7	V	7.8	1.1	3.27	226
250051004	2013	6	22	8	V	7.5	1.3	3.39	219
250051004	2013	6	22	9	V	7.3	1.3	5.05	230
250051004	2013	6	22	10	V	7.3	1.3	4.24	233
250051004	2013	6	22	11	V	10.5	1.3	4.39	242
250051004	2013	6	22	12	V	18.4	1.4	4.29	225
250051004	2013	6	22	13	V	15.9	1.3	4.24	207
250051004	2013	6	22	14	V	16.9	1.4	5.07	206
250051004	2013	6	22	15	V	6.4	1.4	5.73	168
250051004	2013	6	22	16	V	6.0	1.2	6.23	163
250051004	2013	6	22	17	V	4.3	1.2	6.75	187
250051004	2013	6	22	18	V	3.6	1.2	5.04	201
250051004	2013	6	22	19	V	3.3	1.3	5.04	196
250051004	2013	6	22	20	V	3.2	1.3	3.68	191
250051004	2013	6	22	21	V	3.1	1.1	3.75	202
250051004	2013	6	22	22	V	3.0	1.1	3.34	198
250051004	2013	6	22	23	V	3.1	1.2	2.79	197
250051004	2013	6	22	24	V	6.8	1.1	2.52	200
250051004	2013	6	23	1	V	9.1	1.2	1.72	193
250051004	2013	6	23	2	V	6.4	1.2	2.16	188
250051004	2013	6	23	3	V	9.1	1.2	2.27	181
250051004	2013	6	23	4	V	7.6	1.2	2.33	177
250051004	2013	6	23	5	V	7.4	1.2	2.54	187
250051004	2013	6	23	6	V	8.0	1.2	2.79	186
250051004	2013	6	23	7	V	7.9	1.4	2.57	188
250051004	2013	6	23	8	V	7.5	1.4	2.91	207
250051004	2013	6	23	9	V	7.3	1.5	2.86	168
250051004	2013	6	23	10	V	7.3	1.4	4.05	169
250051004	2013	6	23	11	V	10.5	1.6	5.43	205
250051004	2013	6	23	12	V	18.4	1.7	6.23	228
250051004	2013	6	23	13	V	15.9	1.7	6.94	223
250051004	2013	6	23	14	V	16.9	1.6	6.86	216
250051004	2013	6	23	15	V	6.4	1.6	6.94	206
250051004	2013	6	23	16	V	6.0	1.6	7.47	213

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	23	17	V	4.3	1.5	7.5	220
250051004	2013	6	23	18	V	3.6	1.6	6.79	215
250051004	2013	6	23	19	V	3.3	-999	6.23	218
250051004	2013	6	23	20	V	3.2	1.2	5.19	218
250051004	2013	6	23	21	V	3.1	1.3	4.65	224
250051004	2013	6	23	22	V	3.0	1.3	4.85	229
250051004	2013	6	23	23	V	3.1	1.4	5.02	229
250051004	2013	6	23	24	V	6.8	4.8	4.29	226
250051004	2013	6	24	1	V	9.1	3.5	3.54	229
250051004	2013	6	24	2	V	6.4	2.1	3.2	227
250051004	2013	6	24	3	V	9.1	1.7	3.63	217
250051004	2013	6	24	4	V	7.6	5.6	2.86	193
250051004	2013	6	24	5	V	7.4	6.6	2.81	205
250051004	2013	6	24	6	V	8.0	8.8	3.51	222
250051004	2013	6	24	7	V	7.9	3.3	3.3	245
250051004	2013	6	24	8	V	7.5	2.5	3.59	254
250051004	2013	6	24	9	V	7.4	2	3.56	245
250051004	2013	6	24	10	V	7.3	1.9	4.24	271
250051004	2013	6	24	11	V	10.6	2	4.66	275
250051004	2013	6	24	12	V	18.4	2.1	4.82	273
250051004	2013	6	24	13	V	15.9	2.2	5.09	285
250051004	2013	6	24	14	V	17.0	2.1	5.65	271
250051004	2013	6	24	15	V	6.4	2.1	5.28	264
250051004	2013	6	24	16	V	6.0	2.4	5.51	258
250051004	2013	6	24	17	V	4.4	2.3	6.09	249
250051004	2013	6	24	18	V	3.7	2.4	5.33	226
250051004	2013	6	24	19	V	3.3	2.4	4.22	230
250051004	2013	6	24	20	V	3.2	2.3	6.8	285
250051004	2013	6	24	21	V	3.1	2	3.83	295
250051004	2013	6	24	22	V	3.0	1.5	2.38	8
250051004	2013	6	24	23	V	3.1	1.9	1.98	192
250051004	2013	6	24	24	V	6.8	3.3	1.62	252
250051004	2013	6	25	1	V	9.1	2.3	2.61	262
250051004	2013	6	25	2	V	6.4	1.8	3.83	253
250051004	2013	6	25	3	V	9.1	1.3	3.05	275
250051004	2013	6	25	4	V	7.6	1.9	2.96	265
250051004	2013	6	25	5	V	7.4	2	3.83	261
250051004	2013	6	25	6	V	8.0	2	2.27	258
250051004	2013	6	25	7	V	7.8	-999	2.52	253
250051004	2013	6	25	8	V	7.5	2.1	2.4	249
250051004	2013	6	25	9	V	7.4	1.8	3.46	255
250051004	2013	6	25	10	V	7.4	1.9	4	243
250051004	2013	6	25	11	V	10.6	2.2	4.58	259
250051004	2013	6	25	12	V	18.4	2.5	3.98	260
250051004	2013	6	25	13	V	16.0	3	4.85	249
250051004	2013	6	25	14	V	17.0	3.3	4.99	226

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	25	15	V	6.5	2.7	5.9	206
250051004	2013	6	25	16	V	6.0	2.9	6.31	209
250051004	2013	6	25	17	V	4.4	2.9	6.46	219
250051004	2013	6	25	18	V	3.7	2.7	5.67	212
250051004	2013	6	25	19	V	3.3	-999	4.43	209
250051004	2013	6	25	20	V	3.2	2.7	4.03	227
250051004	2013	6	25	21	V	3.1	2.8	3.49	225
250051004	2013	6	25	22	V	3.0	2.9	3.01	234
250051004	2013	6	25	23	V	3.1	2.8	2.52	245
250051004	2013	6	25	24	V	6.8	3.8	2.52	241
250051004	2013	6	26	1	V	9.1	2.4	2.5	252
250051004	2013	6	26	2	V	6.4	2.2	2.66	264
250051004	2013	6	26	3	V	9.1	2.2	2.67	247
250051004	2013	6	26	4	V	7.6	2.3	1.54	210
250051004	2013	6	26	5	V	7.4	2.3	0.84	208
250051004	2013	6	26	6	V	8.0	3.5	2.04	212
250051004	2013	6	26	7	V	7.8	3.7	2.08	226
250051004	2013	6	26	8	V	7.6	2.4	3.08	284
250051004	2013	6	26	9	V	7.4	2.3	3.78	279
250051004	2013	6	26	10	V	7.4	2.5	4.7	272
250051004	2013	6	26	11	V	10.6	2.3	4.87	290
250051004	2013	6	26	12	V	18.5	2.2	4.99	276
250051004	2013	6	26	13	V	16.0	2.4	4.88	271
250051004	2013	6	26	14	V	17.0	2.3	5.43	265
250051004	2013	6	26	15	V	6.4	2.3	6.01	258
250051004	2013	6	26	16	V	6.1	2.4	3.93	267
250051004	2013	6	26	17	V	4.4	2.3	3.73	289
250051004	2013	6	26	18	V	3.7	2.2	4.09	288
250051004	2013	6	26	19	V	3.3	2.2	3.08	283
250051004	2013	6	26	20	V	3.2	2.2	2.27	261
250051004	2013	6	26	21	V	3.1	2.3	1.89	238
250051004	2013	6	26	22	V	3.0	2.2	1.48	232
250051004	2013	6	26	23	V	3.1	2.1	1.77	38
250051004	2013	6	26	24	V	6.8	1.9	2.42	50
250051004	2013	6	27	1	V	9.1	2	2.25	24
250051004	2013	6	27	2	V	6.4	2.1	2.91	14
250051004	2013	6	27	3	V	9.1	2.1	2.79	40
250051004	2013	6	27	4	V	7.6	2	2.28	60
250051004	2013	6	27	5	V	7.4	1.8	2.96	51
250051004	2013	6	27	6	V	8.0	2	3.46	45
250051004	2013	6	27	7	V	7.8	2	3.73	47
250051004	2013	6	27	8	V	7.5	1.9	3.47	51
250051004	2013	6	27	9	V	7.3	1.9	3.83	52
250051004	2013	6	27	10	V	7.4	2	2.66	61
250051004	2013	6	27	11	V	10.8	2	2.25	52
250051004	2013	6	27	12	V	18.5	2.1	2.71	25

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	27	13	V	16.1	2.2	2.84	13
250051004	2013	6	27	14	V	17.1	2.2	2.61	18
250051004	2013	6	27	15	V	6.6	2.2	2.3	56
250051004	2013	6	27	16	V	6.6	2.3	1.47	90
250051004	2013	6	27	17	V	5.7	2.2	1.03	99
250051004	2013	6	27	18	V	3.8	2.1	1.69	86
250051004	2013	6	27	19	V	3.3	2.2	2.69	76
250051004	2013	6	27	20	V	3.2	2.2	3.32	63
250051004	2013	6	27	21	V	3.1	2.1	3.13	66
250051004	2013	6	27	22	V	3.0	2.1	2.81	60
250051004	2013	6	27	23	V	3.1	2.1	2.79	75
250051004	2013	6	27	24	V	6.8	2.2	3.22	82
250051004	2013	6	28	1	V	9.1	2	2.47	49
250051004	2013	6	28	2	V	6.4	2.2	2.69	44
250051004	2013	6	28	3	V	9.1	2.7	3.1	167
250051004	2013	6	28	4	V	7.6	4.7	4.31	191
250051004	2013	6	28	5	V	7.4	5.8	4.32	189
250051004	2013	6	28	6	V	8.0	3.3	4.34	181
250051004	2013	6	28	7	V	7.8	2.9	3.69	165
250051004	2013	6	28	8	V	7.5	3.4	5.51	183
250051004	2013	6	28	9	V	7.3	3.3	5.24	179
250051004	2013	6	28	10	V	7.3	2.9	5.11	177
250051004	2013	6	28	11	V	10.5	2.6	5.39	185
250051004	2013	6	28	12	V	18.4	4.2	6.62	193
250051004	2013	6	28	13	V	15.9	5.6	6.74	197
250051004	2013	6	28	14	V	17.0	5	7.59	197
250051004	2013	6	28	15	V	6.4	2.9	7.26	206
250051004	2013	6	28	16	V	6.0	2.7	6.09	191
250051004	2013	6	28	17	V	4.4	2.2	7.23	176
250051004	2013	6	28	18	V	3.7	2.2	5.24	188
250051004	2013	6	28	19	V	3.3	-999	3.93	186
250051004	2013	6	28	20	V	3.2	2.3	4.73	175
250051004	2013	6	28	21	V	3.1	2.3	4.34	194
250051004	2013	6	28	22	V	3.0	2.4	3.54	191
250051004	2013	6	28	23	V	3.1	2.4	4.1	173
250051004	2013	6	28	24	V	6.8	2.4	3.64	173
250051004	2013	6	29	1	V	9.1	2.6	3.23	148
250051004	2013	6	29	2	V	6.4	2.6	3.18	169
250051004	2013	6	29	3	V	9.1	2.6	2.61	154
250051004	2013	6	29	4	V	7.6	2.5	3.61	154
250051004	2013	6	29	5	V	7.4	4.2	3.54	179
250051004	2013	6	29	6	V	8.0	5.8	2.74	193
250051004	2013	6	29	7	V	7.8	4.7	3.32	173
250051004	2013	6	29	8	V	7.5	5.5	3.51	188
250051004	2013	6	29	9	V	7.3	6.4	4.22	198
250051004	2013	6	29	10	V	7.3	3.6	2.89	185

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	6	29	11	V	10.6	3.1	4.53	195
250051004	2013	6	29	12	V	18.4	2.8	5.87	199
250051004	2013	6	29	13	V	15.9	2.8	6.04	199
250051004	2013	6	29	14	V	17.0	2.7	7.77	198
250051004	2013	6	29	15	V	6.4	2.6	7.69	202
250051004	2013	6	29	16	V	6.0	2.7	7.79	194
250051004	2013	6	29	17	V	4.4	2.6	7.45	195
250051004	2013	6	29	18	V	3.7	2.6	6.99	203
250051004	2013	6	29	19	V	3.3	2.4	6.67	202
250051004	2013	6	29	20	V	3.2	2.4	5.48	209
250051004	2013	6	29	21	V	3.1	2.2	4.95	194
250051004	2013	6	29	22	V	3.0	2.3	4.63	196
250051004	2013	6	29	23	V	3.1	2.3	3.56	200
250051004	2013	6	29	24	V	6.8	2.2	3.3	183
250051004	2013	6	30	1	V	9.1	2	3.22	203
250051004	2013	6	30	2	V	6.4	2.2	3.23	185
250051004	2013	6	30	3	V	9.1	2.3	2.54	161
250051004	2013	6	30	4	V	7.6	2.1	2.47	173
250051004	2013	6	30	5	V	7.4	2.2	2.71	170
250051004	2013	6	30	6	V	8.0	2.1	2.69	185
250051004	2013	6	30	7	V	7.8	2.2	3.1	176
250051004	2013	6	30	8	V	7.5	2.1	3.13	194
250051004	2013	6	30	9	V	7.3	2	2.33	181
250051004	2013	6	30	10	V	7.3	1.8	3.69	150
250051004	2013	6	30	11	V	10.5	2	3.93	151
250051004	2013	6	30	12	V	18.4	2	5.6	187
250051004	2013	6	30	13	V	15.9	2.1	6.07	203
250051004	2013	6	30	14	V	17.0	2.1	5.79	207
250051004	2013	6	30	15	V	6.4	2.2	6.04	197
250051004	2013	6	30	16	V	6.0	2.1	5.79	196
250051004	2013	6	30	17	V	4.4	2.2	6.02	207
250051004	2013	6	30	18	V	3.6	2	5.29	207
250051004	2013	6	30	19	V	3.3	2.1	5.44	192
250051004	2013	6	30	20	V	3.2	1.9	4.58	191
250051004	2013	6	30	21	V	3.1	1.9	3.37	186
250051004	2013	6	30	22	V	3.0	1.9	3.69	183
250051004	2013	6	30	23	V	3.1	1.8	4.82	204
250051004	2013	6	30	24	V	6.8	7	4.02	210
250051004	2013	7	1	1	V	9.1	5	2.83	194
250051004	2013	7	1	2	V	6.4	-999	3.35	190
250051004	2013	7	1	3	V	9.1	-999	3.1	183
250051004	2013	7	1	4	V	7.6	6	3.35	178
250051004	2013	7	1	5	V	7.4	6.1	3.12	184
250051004	2013	7	1	6	V	8.0	5.3	2.64	195
250051004	2013	7	1	7	V	7.8	4.2	2.73	161
250051004	2013	7	1	8	V	7.5	5.7	2.54	159

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	1	9	V	7.3	4.2	3.81	181
250051004	2013	7	1	10	V	7.3	6.6	4.51	187
250051004	2013	7	1	11	V	10.6	5.5	4.85	201
250051004	2013	7	1	12	V	18.4	6.5	4.54	190
250051004	2013	7	1	13	V	15.9	7.4	6.02	183
250051004	2013	7	1	14	V	17.0	3.9	6.38	187
250051004	2013	7	1	15	V	6.4	2.3	6.09	204
250051004	2013	7	1	16	V	6.0	2	4.71	208
250051004	2013	7	1	17	V	4.4	2	3.27	209
250051004	2013	7	1	18	V	3.7	2	4.31	177
250051004	2013	7	1	19	V	3.3	-999	4.46	182
250051004	2013	7	1	20	V	3.2	1.7	4.37	202
250051004	2013	7	1	21	V	3.1	1.8	3.95	202
250051004	2013	7	1	22	V	3.0	1.7	4.26	198
250051004	2013	7	1	23	V	3.1	1.8	4.1	203
250051004	2013	7	1	24	V	6.8	5.7	3.71	202
250051004	2013	7	2	1	V	9.1	10.9	4.19	193
250051004	2013	7	2	2	V	6.4	7.6	4.31	196
250051004	2013	7	2	3	V	9.1	5.8	3.71	203
250051004	2013	7	2	4	V	7.6	5.8	4.09	198
250051004	2013	7	2	5	V	7.4	4.9	3.81	193
250051004	2013	7	2	6	V	8.0	5.7	4.85	201
250051004	2013	7	2	7	V	7.8	5.5	4.66	203
250051004	2013	7	2	8	V	7.5	8.1	4.78	196
250051004	2013	7	2	9	V	7.3	9.4	4.56	195
250051004	2013	7	2	10	V	7.3	7.5	4.78	200
250051004	2013	7	2	11	V	10.5	4.5	4.34	209
250051004	2013	7	2	12	V	18.4	6.1	5.26	218
250051004	2013	7	2	13	V	15.9	5.5	6.04	221
250051004	2013	7	2	14	V	17.0	2.4	5.31	212
250051004	2013	7	2	15	V	6.4	1.9	5.07	207
250051004	2013	7	2	16	V	6.0	1.8	4.7	213
250051004	2013	7	2	17	V	4.4	2	5.38	219
250051004	2013	7	2	18	V	3.7	1.9	4.53	183
250051004	2013	7	2	19	V	3.3	1.6	5.24	175
250051004	2013	7	2	20	V	3.2	1.8	4.73	183
250051004	2013	7	2	21	V	3.1	1.6	3.9	194
250051004	2013	7	2	22	V	3.0	1.7	3.98	203
250051004	2013	7	2	23	V	3.1	1.9	3.51	207
250051004	2013	7	2	24	V	6.8	4.3	3.73	224
250051004	2013	7	3	1	V	9.1	6.7	2.93	223
250051004	2013	7	3	2	V	6.4	6.7	2.49	219
250051004	2013	7	3	3	V	9.1	8	2.15	217
250051004	2013	7	3	4	V	7.6	9.7	2.4	186
250051004	2013	7	3	5	V	7.4	7.9	2.61	218
250051004	2013	7	3	6	V	8.0	10.4	4.29	220

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	3	7	V	7.8	7.1	4.29	227
250051004	2013	7	3	8	V	7.6	-999	2.83	217
250051004	2013	7	3	9	V	7.4	-999	3.88	228
250051004	2013	7	3	10	V	7.3	3.7	4.82	232
250051004	2013	7	3	11	V	10.6	3.8	5.75	246
250051004	2013	7	3	12	V	18.4	5.8	7.38	234
250051004	2013	7	3	13	V	16.0	5.6	7.65	234
250051004	2013	7	3	14	V	17.0	2.8	6.91	225
250051004	2013	7	3	15	V	6.5	2.1	6.74	216
250051004	2013	7	3	16	V	6.1	2	5.65	219
250051004	2013	7	3	17	V	4.4	1.9	5.73	210
250051004	2013	7	3	18	V	3.7	1.9	5.99	202
250051004	2013	7	3	19	V	3.3	1.7	5.26	209
250051004	2013	7	3	20	V	3.2	1.8	5.17	224
250051004	2013	7	3	21	V	3.1	1.8	4.44	219
250051004	2013	7	3	22	V	3.0	2.2	4.71	220
250051004	2013	7	3	23	V	3.1	1.7	4.63	234
250051004	2013	7	3	24	V	6.8	3.2	3.85	235
250051004	2013	7	4	1	V	9.1	3.4	2.96	241
250051004	2013	7	4	2	V	6.4	2	2.52	232
250051004	2013	7	4	3	V	9.1	1.7	1.69	193
250051004	2013	7	4	4	V	7.6	1.8	2.25	219
250051004	2013	7	4	5	V	7.4	1.9	2.98	255
250051004	2013	7	4	6	V	8.0	2	2.93	234
250051004	2013	7	4	7	V	7.8	2	3.9	237
250051004	2013	7	4	8	V	7.5	1.9	4.73	249
250051004	2013	7	4	9	V	7.3	2.1	5.11	248
250051004	2013	7	4	10	V	7.3	1.8	5.16	251
250051004	2013	7	4	11	V	10.6	1.9	4.85	257
250051004	2013	7	4	12	V	18.5	2	5.17	247
250051004	2013	7	4	13	V	16.0	2	6.16	242
250051004	2013	7	4	14	V	17.0	2.2	6.75	242
250051004	2013	7	4	15	V	6.5	2.1	5.92	236
250051004	2013	7	4	16	V	6.1	2	6.16	237
250051004	2013	7	4	17	V	4.4	2.2	6.36	236
250051004	2013	7	4	18	V	3.7	2.3	5.89	219
250051004	2013	7	4	19	V	3.3	-999	5.29	216
250051004	2013	7	4	20	V	3.2	2.1	4.39	207
250051004	2013	7	4	21	V	3.1	2.2	3.56	205
250051004	2013	7	4	22	V	3.0	2.3	2.88	210
250051004	2013	7	4	23	V	3.1	2.2	2.54	218
250051004	2013	7	4	24	V	6.8	2.1	2.54	222
250051004	2013	7	5	1	V	9.1	2.1	4.34	246
250051004	2013	7	5	2	V	6.4	2.1	4.63	252
250051004	2013	7	5	3	V	9.1	2.3	4.66	248
250051004	2013	7	5	4	V	7.6	3.5	4.05	249

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	5	5	V	7.4	2.6	3.92	249
250051004	2013	7	5	6	V	8.0	2.4	3.35	263
250051004	2013	7	5	7	V	7.9	2.2	4.27	271
250051004	2013	7	5	8	V	7.5	2.4	5	273
250051004	2013	7	5	9	V	7.4	2.2	4.49	269
250051004	2013	7	5	10	V	7.5	2.2	3.54	258
250051004	2013	7	5	11	V	10.7	3.5	3.93	242
250051004	2013	7	5	12	V	18.5	4.3	4.54	235
250051004	2013	7	5	13	V	16.0	3	5.48	246
250051004	2013	7	5	14	V	17.1	2.2	5.36	202
250051004	2013	7	5	15	V	6.5	2.2	6.67	219
250051004	2013	7	5	16	V	6.1	2.4	6.74	220
250051004	2013	7	5	17	V	4.4	2.5	6.86	217
250051004	2013	7	5	18	V	3.7	2.7	5.5	214
250051004	2013	7	5	19	V	3.3	2.4	5.05	213
250051004	2013	7	5	20	V	3.2	2.2	3.81	213
250051004	2013	7	5	21	V	3.1	2.1	4.12	227
250051004	2013	7	5	22	V	3.0	2.2	3.18	227
250051004	2013	7	5	23	V	3.1	2.3	3.56	221
250051004	2013	7	5	24	V	6.8	2.3	3.57	226
250051004	2013	7	6	1	V	9.1	2	3.03	248
250051004	2013	7	6	2	V	6.4	2.2	2.67	244
250051004	2013	7	6	3	V	9.1	2.3	3.41	253
250051004	2013	7	6	4	V	7.6	2.3	3.97	249
250051004	2013	7	6	5	V	7.4	2.3	4.03	259
250051004	2013	7	6	6	V	8.0	2.5	4.14	263
250051004	2013	7	6	7	V	7.9	2.4	4.46	271
250051004	2013	7	6	8	V	7.5	2.4	5.05	270
250051004	2013	7	6	9	V	7.4	2.6	4.63	263
250051004	2013	7	6	10	V	7.5	2.6	3.81	262
250051004	2013	7	6	11	V	10.6	2.5	4.83	274
250051004	2013	7	6	12	V	18.5	2.4	4.9	270
250051004	2013	7	6	13	V	16.0	2.4	5.29	268
250051004	2013	7	6	14	V	17.0	2.6	5.6	273
250051004	2013	7	6	15	V	6.5	2.4	5.24	283
250051004	2013	7	6	16	V	6.4	2.4	4.56	298
250051004	2013	7	6	17	V	4.5	2.2	4.05	294
250051004	2013	7	6	18	V	3.7	2.3	3.93	292
250051004	2013	7	6	19	V	3.3	2.5	3.25	268
250051004	2013	7	6	20	V	3.2	2.3	3	253
250051004	2013	7	6	21	V	3.1	2.7	2.1	254
250051004	2013	7	6	22	V	3.0	2.7	2.44	260
250051004	2013	7	6	23	V	3.1	2.8	2.78	264
250051004	2013	7	6	24	V	6.8	2.5	3.03	260
250051004	2013	7	7	1	V	9.1	2.4	2.89	266
250051004	2013	7	7	2	V	6.4	2.3	2.28	282

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	7	3	V	9.1	2.5	1.74	289
250051004	2013	7	7	4	V	7.6	2.4	1.86	257
250051004	2013	7	7	5	V	7.4	2.5	2.3	259
250051004	2013	7	7	6	V	8.0	2.3	1.76	250
250051004	2013	7	7	7	V	7.9	2.3	2.28	249
250051004	2013	7	7	8	V	7.9	2.5	2.66	256
250051004	2013	7	7	9	V	7.6	2.6	3.06	263
250051004	2013	7	7	10	V	7.5	2.3	3.4	277
250051004	2013	7	7	11	V	10.7	2.6	3.76	275
250051004	2013	7	7	12	V	18.6	2.8	4.17	228
250051004	2013	7	7	13	V	16.0	2.6	4.56	148
250051004	2013	7	7	14	V	17.1	2.7	4.2	196
250051004	2013	7	7	15	V	6.5	2.6	7.15	219
250051004	2013	7	7	16	V	6.1	2.7	6.4	219
250051004	2013	7	7	17	V	4.4	2.5	4.61	228
250051004	2013	7	7	18	V	3.7	2.7	4.8	204
250051004	2013	7	7	19	V	3.3	-999	4.9	208
250051004	2013	7	7	20	V	3.2	2.5	4	233
250051004	2013	7	7	21	V	3.1	2.7	2.81	234
250051004	2013	7	7	22	V	3.0	2.5	2.45	219
250051004	2013	7	7	23	V	3.1	2.6	1.74	170
250051004	2013	7	7	24	V	6.8	2.7	2.57	171
250051004	2013	7	8	1	V	9.1	8.5	1.98	181
250051004	2013	7	8	2	V	6.4	8.1	2.93	225
250051004	2013	7	8	3	V	9.1	3.6	3.17	248
250051004	2013	7	8	4	V	7.6	4.5	2.73	237
250051004	2013	7	8	5	V	7.4	10.6	1.98	221
250051004	2013	7	8	6	V	8.0	5.8	3.61	228
250051004	2013	7	8	7	V	7.9	5.3	4.85	245
250051004	2013	7	8	8	V	7.5	3.7	4.92	251
250051004	2013	7	8	9	V	7.3	2.9	4.92	269
250051004	2013	7	8	10	V	7.4	2.8	4.54	283
250051004	2013	7	8	11	V	10.6	2.6	4.42	267
250051004	2013	7	8	12	V	18.5	2.8	4.8	272
250051004	2013	7	8	13	V	16.0	2.5	4.97	261
250051004	2013	7	8	14	V	17.1	2.6	5.09	264
250051004	2013	7	8	15	V	6.6	2.6	4.46	268
250051004	2013	7	8	16	V	6.1	2.7	4.87	228
250051004	2013	7	8	17	V	4.4	2.7	4.27	239
250051004	2013	7	8	18	V	3.7	2.7	5.1	219
250051004	2013	7	8	19	V	3.3	2.8	4.46	215
250051004	2013	7	8	20	V	3.2	2.8	3.49	237
250051004	2013	7	8	21	V	3.1	2.7	4.15	21
250051004	2013	7	8	22	V	3.0	2.6	2.22	48
250051004	2013	7	8	23	V	3.1	2.4	3.47	47
250051004	2013	7	8	24	V	6.8	2.2	3	41

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	9	1	V	9.1	2.2	3.42	33
250051004	2013	7	9	2	V	6.4	2.1	2.98	63
250051004	2013	7	9	3	V	9.1	2.2	1.88	56
250051004	2013	7	9	4	V	7.6	2.2	3.51	14
250051004	2013	7	9	5	V	7.4	2.3	3.08	31
250051004	2013	7	9	6	V	8.0	2.1	3.15	35
250051004	2013	7	9	7	V	7.8	2.2	2.98	32
250051004	2013	7	9	8	V	7.6	2.4	2.59	43
250051004	2013	7	9	9	V	7.5	2.6	2.27	54
250051004	2013	7	9	10	V	7.9	3.2	1.72	48
250051004	2013	7	9	11	V	11.0	3.5	1.77	132
250051004	2013	7	9	12	V	19.1	2.7	1.62	86
250051004	2013	7	9	13	V	16.1	2.6	2.93	60
250051004	2013	7	9	14	V	17.2	2.7	1.94	109
250051004	2013	7	9	15	V	6.5	3	3.23	250
250051004	2013	7	9	16	V	7.7	2.4	1.33	243
250051004	2013	7	9	17	V	4.6	2.2	2.08	100
250051004	2013	7	9	18	V	3.8	2.1	2.21	165
250051004	2013	7	9	19	V	3.3	2.1	1.96	210
250051004	2013	7	9	20	V	3.2	2.3	1.89	151
250051004	2013	7	9	21	V	3.1	2.2	1.89	147
250051004	2013	7	9	22	V	3.0	1.9	2.3	150
250051004	2013	7	9	23	V	3.1	2.2	2.1	128
250051004	2013	7	9	24	V	6.8	2.4	1.69	116
250051004	2013	7	10	1	V	9.1	2.1	2.45	98
250051004	2013	7	10	2	V	6.4	2.3	2.2	111
250051004	2013	7	10	3	V	9.1	2.1	1.42	157
250051004	2013	7	10	4	V	7.6	2.2	1.13	80
250051004	2013	7	10	5	V	7.4	2.3	1.84	40
250051004	2013	7	10	6	V	8.0	2.4	2.62	171
250051004	2013	7	10	7	V	7.8	3.9	2.72	173
250051004	2013	7	10	8	V	7.5	3.8	2.49	196
250051004	2013	7	10	9	V	7.5	6.3	2.84	177
250051004	2013	7	10	10	V	7.4	8.4	3.52	170
250051004	2013	7	10	11	V	10.6	5.9	4.66	167
250051004	2013	7	10	12	V	18.4	6.5	5.58	178
250051004	2013	7	10	13	V	15.9	3.5	6.58	180
250051004	2013	7	10	14	V	17.0	2.9	5.72	157
250051004	2013	7	10	15	V	6.4	2.6	6.48	171
250051004	2013	7	10	16	V	6.0	2.6	6.58	194
250051004	2013	7	10	17	V	4.3	2.7	6.31	199
250051004	2013	7	10	18	V	3.6	2.7	5.43	201
250051004	2013	7	10	19	V	3.3	-999	4.42	203
250051004	2013	7	10	20	V	3.2	2.3	3.52	199
250051004	2013	7	10	21	V	3.1	2.6	4.17	201
250051004	2013	7	10	22	V	3.0	2.7	4.15	204

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	10	23	V	3.1	2.7	3.2	209
250051004	2013	7	10	24	V	6.8	14.3	2.93	235
250051004	2013	7	11	1	V	9.1	10.9	2.25	177
250051004	2013	7	11	2	V	6.4	10.2	2.1	216
250051004	2013	7	11	3	V	9.1	7.7	3.3	234
250051004	2013	7	11	4	V	7.6	11	3.51	245
250051004	2013	7	11	5	V	7.4	5.7	3	234
250051004	2013	7	11	6	V	8.0	7.8	2.32	205
250051004	2013	7	11	7	V	7.9	7	2.73	190
250051004	2013	7	11	8	V	7.5	7.4	3.71	212
250051004	2013	7	11	9	V	7.3	4.6	3.88	265
250051004	2013	7	11	10	V	10.3	4.2	1.86	352
250051004	2013	7	11	11	V	13.5	4.7	1.98	296
250051004	2013	7	11	12	V	18.6	3.4	2.05	209
250051004	2013	7	11	13	V	15.9	5.1	3.98	164
250051004	2013	7	11	14	V	17.0	2.7	3.88	165
250051004	2013	7	11	15	V	6.4	2.8	3.23	157
250051004	2013	7	11	16	V	6.0	2.8	3.32	148
250051004	2013	7	11	17	V	4.3	2.8	3.17	165
250051004	2013	7	11	18	V	3.6	2.6	2.96	180
250051004	2013	7	11	19	V	3.3	2.5	2.84	193
250051004	2013	7	11	20	V	3.2	2.7	2.67	217
250051004	2013	7	11	21	V	3.1	2.6	2.35	258
250051004	2013	7	11	22	V	3.0	2.7	2.57	305
250051004	2013	7	11	23	V	3.1	2.5	2.56	330
250051004	2013	7	11	24	V	6.8	2.5	2.69	337
250051004	2013	7	12	1	V	9.1	2.5	3.69	343
250051004	2013	7	12	2	V	6.4	2.1	3.92	360
250051004	2013	7	12	3	V	9.1	2.3	4.82	9
250051004	2013	7	12	4	V	7.6	2.4	5.16	23
250051004	2013	7	12	5	V	7.4	2.6	5	27
250051004	2013	7	12	6	V	8.0	2.6	5.8	27
250051004	2013	7	12	7	V	7.8	2.5	5.97	22
250051004	2013	7	12	8	V	7.5	2.4	6.21	33
250051004	2013	7	12	9	V	7.3	2.5	5.77	42
250051004	2013	7	12	10	V	7.3	2.4	5.96	32
250051004	2013	7	12	11	V	10.5	2.4	7.21	33
250051004	2013	7	12	12	V	18.4	2.4	8.32	39
250051004	2013	7	12	13	V	15.9	2.3	8.18	32
250051004	2013	7	12	14	V	16.9	2.4	7.09	24
250051004	2013	7	12	15	V	6.4	2.1	6.45	25
250051004	2013	7	12	16	V	6.0	2.4	6.58	35
250051004	2013	7	12	17	V	4.4	2.3	5.67	37
250051004	2013	7	12	18	V	3.6	2.2	6.58	36
250051004	2013	7	12	19	V	3.3	2.3	6.04	36
250051004	2013	7	12	20	V	3.2	1.8	5.04	47

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	12	21	V	3.1	2.1	4.36	49
250051004	2013	7	12	22	V	3.0	2.1	3.64	53
250051004	2013	7	12	23	V	3.1	2.2	3.76	50
250051004	2013	7	12	24	V	6.8	2.1	3.42	43
250051004	2013	7	13	1	V	9.1	2	3.51	35
250051004	2013	7	13	2	V	6.4	2	3.07	29
250051004	2013	7	13	3	V	9.1	1.9	2.76	35
250051004	2013	7	13	4	V	7.6	2	3.05	28
250051004	2013	7	13	5	V	7.4	1.9	3.47	33
250051004	2013	7	13	6	V	8.0	1.8	3.37	36
250051004	2013	7	13	7	V	7.8	1.9	3.34	42
250051004	2013	7	13	8	V	7.5	1.8	3.49	37
250051004	2013	7	13	9	V	7.3	1.8	2.95	52
250051004	2013	7	13	10	V	7.4	1.9	2.45	62
250051004	2013	7	13	11	V	10.6	1.8	2.23	59
250051004	2013	7	13	12	V	18.7	1.9	1.76	59
250051004	2013	7	13	13	V	16.2	1.8	1.65	88
250051004	2013	7	13	14	V	17.8	2.1	1.14	59
250051004	2013	7	13	15	V	6.9	2	1.31	71
250051004	2013	7	13	16	V	6.2	1.8	1.72	98
250051004	2013	7	13	17	V	4.7	2	1.67	117
250051004	2013	7	13	18	V	3.7	2	2.37	154
250051004	2013	7	13	19	V	3.3	-999	2.35	159
250051004	2013	7	13	20	V	3.2	1.7	1.42	158
250051004	2013	7	13	21	V	3.1	1.8	2.72	165
250051004	2013	7	13	22	V	3.0	1.8	2.74	157
250051004	2013	7	13	23	V	3.1	1.6	1.74	165
250051004	2013	7	13	24	V	6.8	1.6	2.28	208
250051004	2013	7	14	1	V	9.1	1.3	2.66	199
250051004	2013	7	14	2	V	6.4	1.7	1.52	229
250051004	2013	7	14	3	V	9.1	1.7	0.84	110
250051004	2013	7	14	4	V	7.6	1.8	0.91	177
250051004	2013	7	14	5	V	7.4	1.9	1.45	265
250051004	2013	7	14	6	V	8.0	1.8	1.43	258
250051004	2013	7	14	7	V	8.0	1.8	2.66	268
250051004	2013	7	14	8	V	7.7	2	3.03	288
250051004	2013	7	14	9	V	7.5	2	3.39	296
250051004	2013	7	14	10	V	26.8	2	2.89	322
250051004	2013	7	14	11	V	10.7	2.1	4.15	292
250051004	2013	7	14	12	V	18.5	2.2	4.97	290
250051004	2013	7	14	13	V	16.0	1.9	4.75	281
250051004	2013	7	14	14	V	17.1	2.2	4.29	292
250051004	2013	7	14	15	V	6.6	2	4.22	281
250051004	2013	7	14	16	V	6.1	1.5	4.05	290
250051004	2013	7	14	17	V	4.5	2.1	3.51	288
250051004	2013	7	14	18	V	3.7	2.3	3.51	286

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	14	19	V	3.3	2.2	3.97	248
250051004	2013	7	14	20	V	3.2	2.3	4.26	255
250051004	2013	7	14	21	V	3.1	2.6	3.49	263
250051004	2013	7	14	22	V	3.0	2.4	2.69	289
250051004	2013	7	14	23	V	3.1	2.1	2.79	273
250051004	2013	7	14	24	V	6.8	2.1	3.59	272
250051004	2013	7	15	1	V	9.1	2.4	3.1	278
250051004	2013	7	15	2	V	6.4	-999	2.96	269
250051004	2013	7	15	3	V	9.1	-999	2.1	265
250051004	2013	7	15	4	V	7.6	2.1	2.15	281
250051004	2013	7	15	5	V	7.4	2.3	2.16	269
250051004	2013	7	15	6	V	8.0	2.2	1.91	263
250051004	2013	7	15	7	V	13.7	3.3	2.03	303
250051004	2013	7	15	8	V	14.1	3.5	3.2	345
250051004	2013	7	15	9	V	25.0	3	3.8	333
250051004	2013	7	15	10	V	25.6	2.8	3.8	329
250051004	2013	7	15	11	V	20.0	2	4.15	342
250051004	2013	7	15	12	V	35.8	2.4	3.95	330
250051004	2013	7	15	13	V	30.9	2.8	3.39	324
250051004	2013	7	15	14	V	26.4	3	3.47	312
250051004	2013	7	15	15	V	16.4	2.7	4.22	313
250051004	2013	7	15	16	V	24.1	2.5	4.8	324
250051004	2013	7	15	17	V	12.3	2.4	4.78	313
250051004	2013	7	15	18	V	5.6	2.6	4.17	306
250051004	2013	7	15	19	V	3.3	2.7	3.08	298
250051004	2013	7	15	20	V	3.2	2.5	2.16	292
250051004	2013	7	15	21	V	3.1	2.4	0.92	231
250051004	2013	7	15	22	V	3.0	2.6	1.81	254
250051004	2013	7	15	23	V	3.1	2.4	1.77	263
250051004	2013	7	15	24	V	6.8	2.6	1.99	289
250051004	2013	7	16	1	V	9.1	2.5	1.45	295
250051004	2013	7	16	2	V	6.4	3.1	3.15	328
250051004	2013	7	16	3	V	9.1	3.1	3.66	342
250051004	2013	7	16	4	V	7.6	2.7	3.44	343
250051004	2013	7	16	5	V	7.4	2.7	3.2	347
250051004	2013	7	16	6	V	8.1	2.7	3.93	342
250051004	2013	7	16	7	V	8.0	2.8	4.12	346
250051004	2013	7	16	8	V	8.0	2.9	4.68	347
250051004	2013	7	16	9	V	17.6	2.9	3.15	344
250051004	2013	7	16	10	V	23.5	2.7	2.79	330
250051004	2013	7	16	11	V	20.6	2.9	3.07	337
250051004	2013	7	16	12	V	32.1	4.4	3.98	330
250051004	2013	7	16	13	V	31.2	3.3	4.49	329
250051004	2013	7	16	14	V	17.1	2.8	5.38	7
250051004	2013	7	16	15	V	8.0	2.5	5.72	351
250051004	2013	7	16	16	V	6.4	2.9	5.04	358

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	16	17	V	4.5	2.9	4.41	19
250051004	2013	7	16	18	V	3.7	3	4.09	144
250051004	2013	7	16	19	V	3.3	-999	3.41	156
250051004	2013	7	16	20	V	3.2	2.6	2.04	123
250051004	2013	7	16	21	V	3.1	2.7	1.47	136
250051004	2013	7	16	22	V	3.0	2.7	1.2	153
250051004	2013	7	16	23	V	3.1	2.7	1.04	187
250051004	2013	7	16	24	V	6.8	2.6	1.3	181
250051004	2013	7	17	1	V	9.1	4.7	1.54	232
250051004	2013	7	17	2	V	6.4	2.9	1.4	230
250051004	2013	7	17	3	V	9.1	5.5	1.35	247
250051004	2013	7	17	4	V	7.6	3.1	1.08	228
250051004	2013	7	17	5	V	7.4	2.9	0.74	242
250051004	2013	7	17	6	V	8.0	3.4	0.74	210
250051004	2013	7	17	7	V	13.0	5.2	0.69	132
250051004	2013	7	17	8	V	10.3	5.5	1.33	175
250051004	2013	7	17	9	V	8.0	3.5	2.33	179
250051004	2013	7	17	10	V	7.4	3.2	4.09	150
250051004	2013	7	17	11	V	10.6	3	5.36	143
250051004	2013	7	17	12	V	18.5	4.1	5.97	147
250051004	2013	7	17	13	V	16.0	4.3	6.26	152
250051004	2013	7	17	14	V	17.0	2.6	6.79	151
250051004	2013	7	17	15	V	6.5	2.5	5.77	154
250051004	2013	7	17	16	V	6.1	2.4	5.96	169
250051004	2013	7	17	17	V	4.4	2.6	5.84	190
250051004	2013	7	17	18	V	3.7	2.6	5.41	201
250051004	2013	7	17	19	V	3.3	2.8	5.21	203
250051004	2013	7	17	20	V	3.2	2.6	3.8	220
250051004	2013	7	17	21	V	3.1	2.7	3.1	213
250051004	2013	7	17	22	V	3.0	2.8	3.61	224
250051004	2013	7	17	23	V	3.1	2.8	2.47	208
250051004	2013	7	17	24	V	6.8	3.1	2.66	207
250051004	2013	7	18	1	V	9.1	3.7	4.05	237
250051004	2013	7	18	2	V	6.4	3.3	4.37	250
250051004	2013	7	18	3	V	9.1	2.8	4.65	251
250051004	2013	7	18	4	V	7.6	3	4.36	254
250051004	2013	7	18	5	V	7.4	3.1	2.83	259
250051004	2013	7	18	6	V	8.1	3.3	2.37	259
250051004	2013	7	18	7	V	7.9	3.5	2.96	285
250051004	2013	7	18	8	V	7.8	3.8	4.68	306
250051004	2013	7	18	9	V	16.1	3.4	4.19	315
250051004	2013	7	18	10	V	11.1	3.8	3.35	350
250051004	2013	7	18	11	V	27.7	3.1	3.15	318
250051004	2013	7	18	12	V	31.7	3.5	2.27	319
250051004	2013	7	18	13	V	16.4	5.3	2.52	239
250051004	2013	7	18	14	V	17.1	3.2	3.95	139

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	18	15	V	6.5	3.3	5.09	148
250051004	2013	7	18	16	V	6.1	3.1	5.5	151
250051004	2013	7	18	17	V	4.4	3.1	5.31	154
250051004	2013	7	18	18	V	3.7	3.2	5.26	155
250051004	2013	7	18	19	V	3.3	3.1	2.98	153
250051004	2013	7	18	20	V	3.2	3.2	2.05	138
250051004	2013	7	18	21	V	3.1	3	2.23	171
250051004	2013	7	18	22	V	3.0	3.1	1.69	186
250051004	2013	7	18	23	V	3.1	3.2	1.69	154
250051004	2013	7	18	24	V	6.8	3.2	1.14	165
250051004	2013	7	19	1	V	9.1	4.1	1.48	193
250051004	2013	7	19	2	V	6.4	5.2	1.98	204
250051004	2013	7	19	3	V	9.1	5.5	2.28	197
250051004	2013	7	19	4	V	7.6	8.6	2.05	212
250051004	2013	7	19	5	V	7.4	7.3	1.6	197
250051004	2013	7	19	6	V	8.0	8	2.52	221
250051004	2013	7	19	7	V	7.8	4.4	3.8	240
250051004	2013	7	19	8	V	7.5	4.2	4.27	241
250051004	2013	7	19	9	V	7.4	3.9	5.07	230
250051004	2013	7	19	10	V	7.3	4.5	5.65	242
250051004	2013	7	19	11	V	10.6	4	6.79	248
250051004	2013	7	19	12	V	18.4	3.8	7.45	248
250051004	2013	7	19	13	V	16.0	3.6	7.43	244
250051004	2013	7	19	14	V	17.0	4.6	6.92	217
250051004	2013	7	19	15	V	6.5	4.5	7.76	215
250051004	2013	7	19	16	V	6.1	4.1	7.93	217
250051004	2013	7	19	17	V	4.4	3.9	7.48	220
250051004	2013	7	19	18	V	3.7	4.1	7.14	219
250051004	2013	7	19	19	V	3.3	-999	6.48	214
250051004	2013	7	19	20	V	3.2	3.3	5.19	217
250051004	2013	7	19	21	V	3.1	3.5	5.24	227
250051004	2013	7	19	22	V	3.0	3.2	4.73	229
250051004	2013	7	19	23	V	3.1	3.3	4.12	230
250051004	2013	7	19	24	V	6.8	3.4	3.22	223
250051004	2013	7	20	1	V	9.1	3.5	4.27	233
250051004	2013	7	20	2	V	6.4	3.5	4.26	233
250051004	2013	7	20	3	V	9.1	3.7	4.2	238
250051004	2013	7	20	4	V	7.6	3.4	3.88	241
250051004	2013	7	20	5	V	7.4	3.4	2.52	207
250051004	2013	7	20	6	V	8.0	3.4	2.56	179
250051004	2013	7	20	7	V	8.0	3.6	3.01	218
250051004	2013	7	20	8	V	7.5	3.9	4.2	216
250051004	2013	7	20	9	V	7.4	4.1	4.66	228
250051004	2013	7	20	10	V	7.3	4.2	5.1	226
250051004	2013	7	20	11	V	10.6	4.4	5.73	216
250051004	2013	7	20	12	V	18.4	4.4	6.35	214

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	20	13	V	16.0	4.7	6.36	223
250051004	2013	7	20	14	V	17.0	4.9	7.69	234
250051004	2013	7	20	15	V	6.5	4.4	7.91	216
250051004	2013	7	20	16	V	6.1	4.1	5.96	260
250051004	2013	7	20	17	V	4.6	3.1	2.54	230
250051004	2013	7	20	18	V	3.8	3.8	2.59	239
250051004	2013	7	20	19	V	3.3	3.7	2.45	235
250051004	2013	7	20	20	V	3.2	3.5	2.71	231
250051004	2013	7	20	21	V	3.1	3.5	3.64	296
250051004	2013	7	20	22	V	3.0	3.4	2.5	273
250051004	2013	7	20	23	V	3.1	3.1	2.61	266
250051004	2013	7	20	24	V	6.8	3.1	2.69	270
250051004	2013	7	21	1	V	9.1	3.2	2.33	288
250051004	2013	7	21	2	V	6.4	3.4	3	304
250051004	2013	7	21	3	V	9.1	3.4	2.56	326
250051004	2013	7	21	4	V	7.6	3.1	2.11	272
250051004	2013	7	21	5	V	7.4	3.2	1.42	279
250051004	2013	7	21	6	V	8.0	3.1	2.22	289
250051004	2013	7	21	7	V	8.0	3	1.33	272
250051004	2013	7	21	8	V	8.2	2.9	1.84	252
250051004	2013	7	21	9	V	8.8	2.8	2.18	359
250051004	2013	7	21	10	V	9.3	3	1.31	82
250051004	2013	7	21	11	V	10.6	2.9	2.54	137
250051004	2013	7	21	12	V	18.8	2.8	2.57	168
250051004	2013	7	21	13	V	16.4	2.8	2.44	156
250051004	2013	7	21	14	V	17.7	2.8	2.08	143
250051004	2013	7	21	15	V	6.8	2.9	2.74	140
250051004	2013	7	21	16	V	6.2	2.9	4.03	145
250051004	2013	7	21	17	V	4.5	2.9	3.66	144
250051004	2013	7	21	18	V	3.7	2.7	3.47	150
250051004	2013	7	21	19	V	3.3	2.7	3.68	172
250051004	2013	7	21	20	V	3.2	2.9	2.36	189
250051004	2013	7	21	21	V	3.1	2.6	2.66	179
250051004	2013	7	21	22	V	3.0	2.8	2.28	185
250051004	2013	7	21	23	V	3.1	2.6	1.89	196
250051004	2013	7	21	24	V	6.8	2.4	1.26	227
250051004	2013	7	22	1	V	9.1	2.6	0.79	221
250051004	2013	7	22	2	V	6.4	2.6	0.55	207
250051004	2013	7	22	3	V	9.1	2.8	0.72	134
250051004	2013	7	22	4	V	7.6	2.8	1.03	102
250051004	2013	7	22	5	V	7.4	2.8	0.94	91
250051004	2013	7	22	6	V	8.1	2.7	1.94	25
250051004	2013	7	22	7	V	9.0	2.7	1.47	69
250051004	2013	7	22	8	V	8.5	2.8	1.93	114
250051004	2013	7	22	9	V	8.0	2.7	2.33	121
250051004	2013	7	22	10	V	7.7	2.6	2.88	121

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	22	11	V	10.8	2.7	3.08	110
250051004	2013	7	22	12	V	18.6	2.6	3.41	131
250051004	2013	7	22	13	V	16.1	2.7	3.83	156
250051004	2013	7	22	14	V	17.1	2.8	3.98	157
250051004	2013	7	22	15	V	6.5	2.9	4.3	163
250051004	2013	7	22	16	V	6.0	2.9	4.73	166
250051004	2013	7	22	17	V	4.4	2.9	3.91	169
250051004	2013	7	22	18	V	3.7	2.8	2.91	155
250051004	2013	7	22	19	V	3.3	-999	2.3	157
250051004	2013	7	22	20	V	3.2	2.7	2.59	132
250051004	2013	7	22	21	V	3.1	2.8	3.51	123
250051004	2013	7	22	22	V	3.0	2.9	3.27	119
250051004	2013	7	22	23	V	3.1	2.8	3.13	118
250051004	2013	7	22	24	V	6.8	2.8	3.22	122
250051004	2013	7	23	1	V	9.1	2.9	3.08	127
250051004	2013	7	23	2	V	6.4	3	2.37	135
250051004	2013	7	23	3	V	9.1	3.1	2.52	120
250051004	2013	7	23	4	V	7.6	3.1	2.55	134
250051004	2013	7	23	5	V	7.4	3.1	2.84	146
250051004	2013	7	23	6	V	8.0	3.1	3.08	164
250051004	2013	7	23	7	V	7.8	3.3	2.62	159
250051004	2013	7	23	8	V	7.5	3.9	2.86	159
250051004	2013	7	23	9	V	7.3	10.3	3.49	183
250051004	2013	7	23	10	V	7.3	10.1	4.97	197
250051004	2013	7	23	11	V	10.6	12.3	5.99	191
250051004	2013	7	23	12	V	18.4	9.8	6.87	196
250051004	2013	7	23	13	V	16.0	8.3	7.3	203
250051004	2013	7	23	14	V	17.0	4	6.91	206
250051004	2013	7	23	15	V	6.5	3.9	6.52	207
250051004	2013	7	23	16	V	6.1	3.9	6.77	214
250051004	2013	7	23	17	V	4.4	3.8	6.75	210
250051004	2013	7	23	18	V	3.7	3.9	5.51	265
250051004	2013	7	23	19	V	3.3	3.8	3.29	222
250051004	2013	7	23	20	V	3.2	3.8	2.56	217
250051004	2013	7	23	21	V	3.1	3.9	1.11	216
250051004	2013	7	23	22	V	3.0	3.6	1.86	263
250051004	2013	7	23	23	V	3.1	3.6	1.98	203
250051004	2013	7	23	24	V	6.8	3.8	1.82	236
250051004	2013	7	24	1	V	9.1	3.6	1.2	189
250051004	2013	7	24	2	V	6.4	4.4	1.28	243
250051004	2013	7	24	3	V	9.1	5.2	1.55	224
250051004	2013	7	24	4	V	7.6	5.7	1.35	248
250051004	2013	7	24	5	V	7.4	7.5	1.65	203
250051004	2013	7	24	6	V	8.0	4.1	1.71	221
250051004	2013	7	24	7	V	8.3	3.9	1.71	256
250051004	2013	7	24	8	V	8.0	3.7	2.25	275

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	24	9	V	7.7	4.9	3.52	300
250051004	2013	7	24	10	V	15.2	4.2	3.34	311
250051004	2013	7	24	11	V	10.6	3.8	3.64	279
250051004	2013	7	24	12	V	18.4	3.9	4.12	265
250051004	2013	7	24	13	V	16.0	3.9	4.09	277
250051004	2013	7	24	14	V	17.1	3.3	4.15	300
250051004	2013	7	24	15	V	8.3	3.5	4.58	306
250051004	2013	7	24	16	V	10.0	3.4	4.58	310
250051004	2013	7	24	17	V	5.3	3.4	4.83	306
250051004	2013	7	24	18	V	16.7	3.8	4.31	319
250051004	2013	7	24	19	V	13.3	3.4	4.2	323
250051004	2013	7	24	20	V	3.2	3.1	3.49	325
250051004	2013	7	24	21	V	3.1	3.2	2.98	333
250051004	2013	7	24	22	V	3.0	3.1	3.83	338
250051004	2013	7	24	23	V	3.1	3.2	6.58	7
250051004	2013	7	24	24	V	6.8	3.1	6.65	15
250051004	2013	7	25	1	V	9.1	3	6.77	11
250051004	2013	7	25	2	V	6.4	2.9	7.91	8
250051004	2013	7	25	3	V	9.1	2.9	6.6	12
250051004	2013	7	25	4	V	7.6	2.5	6.55	15
250051004	2013	7	25	5	V	7.4	2.8	6.02	18
250051004	2013	7	25	6	V	8.0	2.9	5.27	13
250051004	2013	7	25	7	V	7.8	2.9	5.34	19
250051004	2013	7	25	8	V	7.5	2.8	6.24	28
250051004	2013	7	25	9	V	7.3	2.8	6.36	26
250051004	2013	7	25	10	V	7.3	2.7	6.72	24
250051004	2013	7	25	11	V	10.5	2.8	6.53	31
250051004	2013	7	25	12	V	18.4	2.9	7.23	24
250051004	2013	7	25	13	V	15.9	2.9	6.02	28
250051004	2013	7	25	14	V	16.9	2.8	5.77	24
250051004	2013	7	25	15	V	6.4	2.8	5.45	20
250051004	2013	7	25	16	V	6.0	2.8	5.6	12
250051004	2013	7	25	17	V	4.3	2.7	5.92	21
250051004	2013	7	25	18	V	3.6	2.7	5.68	21
250051004	2013	7	25	19	V	3.3	-999	5.22	14
250051004	2013	7	25	20	V	3.2	2.3	4.97	6
250051004	2013	7	25	21	V	3.1	2.7	5.48	7
250051004	2013	7	25	22	V	3.0	2.8	5.62	1
250051004	2013	7	25	23	V	3.1	2.6	5.58	9
250051004	2013	7	25	24	V	6.8	2.8	5.33	6
250051004	2013	7	26	1	V	9.1	2.7	5.04	1
250051004	2013	7	26	2	V	6.4	2.9	5.26	358
250051004	2013	7	26	3	V	9.1	2.8	4.99	2
250051004	2013	7	26	4	V	7.6	2.8	5.04	2
250051004	2013	7	26	5	V	7.4	2.7	5.58	5
250051004	2013	7	26	6	V	8.0	3	6.31	1

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	26	7	V	7.8	2.9	7.03	358
250051004	2013	7	26	8	V	7.5	3	6.41	358
250051004	2013	7	26	9	V	7.3	3.1	6.07	350
250051004	2013	7	26	10	V	7.3	3.1	6.33	345
250051004	2013	7	26	11	V	10.5	2.9	7.52	351
250051004	2013	7	26	12	V	18.4	2.9	7.15	347
250051004	2013	7	26	13	V	22.9	3	5.84	324
250051004	2013	7	26	14	V	17.3	3.9	5.19	311
250051004	2013	7	26	15	V	6.4	3.2	5.14	303
250051004	2013	7	26	16	V	6.0	3.1	4.19	283
250051004	2013	7	26	17	V	4.3	3.1	3.47	263
250051004	2013	7	26	18	V	3.8	3.1	1.65	253
250051004	2013	7	26	19	V	3.3	3.1	2.45	275
250051004	2013	7	26	20	V	3.2	3.1	1.3	259
250051004	2013	7	26	21	V	3.1	3.2	1.64	193
250051004	2013	7	26	22	V	3.0	3	1.93	221
250051004	2013	7	26	23	V	3.1	3	2.69	246
250051004	2013	7	26	24	V	6.8	2.9	2.05	226
250051004	2013	7	27	1	V	9.1	2.9	3.97	249
250051004	2013	7	27	2	V	6.4	3	3.93	259
250051004	2013	7	27	3	V	9.1	3	3.64	257
250051004	2013	7	27	4	V	7.6	2.8	3.78	248
250051004	2013	7	27	5	V	7.4	2.8	3.63	254
250051004	2013	7	27	6	V	8.0	2.9	3.05	240
250051004	2013	7	27	7	V	7.8	2.8	3.37	233
250051004	2013	7	27	8	V	7.5	3	3.59	243
250051004	2013	7	27	9	V	7.5	3.1	2.5	231
250051004	2013	7	27	10	V	7.4	3.1	3.08	174
250051004	2013	7	27	11	V	10.6	3.3	4	160
250051004	2013	7	27	12	V	18.5	3.1	3.76	183
250051004	2013	7	27	13	V	15.9	3.3	5.33	206
250051004	2013	7	27	14	V	17.0	3.3	5.53	212
250051004	2013	7	27	15	V	6.4	3.2	5.95	202
250051004	2013	7	27	16	V	6.0	3.1	6.04	196
250051004	2013	7	27	17	V	4.4	3	6.21	186
250051004	2013	7	27	18	V	3.7	3	5.1	187
250051004	2013	7	27	19	V	3.3	3.2	4.56	182
250051004	2013	7	27	20	V	3.2	3	3.08	172
250051004	2013	7	27	21	V	3.1	2.8	3.42	174
250051004	2013	7	27	22	V	3.0	3	2.11	193
250051004	2013	7	27	23	V	3.1	2.9	1.2	157
250051004	2013	7	27	24	V	6.8	2.9	0.74	54
250051004	2013	7	28	1	V	9.1	3.1	1.99	22
250051004	2013	7	28	2	V	6.4	3	2.1	27
250051004	2013	7	28	3	V	9.1	3.1	3.22	16
250051004	2013	7	28	4	V	7.6	3.1	2.91	359

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	28	5	V	7.4	3	3.1	345
250051004	2013	7	28	6	V	8.0	3	2.74	339
250051004	2013	7	28	7	V	7.8	3	3	6
250051004	2013	7	28	8	V	7.5	3	3.22	356
250051004	2013	7	28	9	V	9.7	3.2	2.83	348
250051004	2013	7	28	10	V	13.0	3	2.06	345
250051004	2013	7	28	11	V	10.9	3.5	1.96	52
250051004	2013	7	28	12	V	18.6	3.9	2.45	144
250051004	2013	7	28	13	V	16.1	4	2.37	119
250051004	2013	7	28	14	V	17.0	3.6	4.24	165
250051004	2013	7	28	15	V	6.4	3.1	5.24	157
250051004	2013	7	28	16	V	6.0	3.1	5.33	185
250051004	2013	7	28	17	V	4.4	3.1	4.12	188
250051004	2013	7	28	18	V	3.6	3	4.92	202
250051004	2013	7	28	19	V	3.3	-999	3.52	223
250051004	2013	7	28	20	V	3.2	2.8	1.74	178
250051004	2013	7	28	21	V	3.1	2.9	2.13	178
250051004	2013	7	28	22	V	3.0	3.1	2.5	165
250051004	2013	7	28	23	V	3.1	3	1.89	191
250051004	2013	7	28	24	V	6.8	3.3	2.42	208
250051004	2013	7	29	1	V	9.1	5.3	1.67	208
250051004	2013	7	29	2	V	6.4	-999	1.31	141
250051004	2013	7	29	3	V	9.1	-999	1.65	209
250051004	2013	7	29	4	V	7.6	2.7	2.08	160
250051004	2013	7	29	5	V	7.4	2.6	1.98	172
250051004	2013	7	29	6	V	8.0	3	2.1	177
250051004	2013	7	29	7	V	7.8	2.9	1.88	194
250051004	2013	7	29	8	V	7.7	3	2.54	149
250051004	2013	7	29	9	V	7.7	5.3	2.33	156
250051004	2013	7	29	10	V	7.4	7.6	4.29	149
250051004	2013	7	29	11	V	10.6	6.6	6.26	155
250051004	2013	7	29	12	V	18.4	5	6.57	155
250051004	2013	7	29	13	V	16.0	7.7	6.57	145
250051004	2013	7	29	14	V	17.0	3.1	6.62	155
250051004	2013	7	29	15	V	6.5	3.2	6.3	155
250051004	2013	7	29	16	V	6.1	3.1	5.29	150
250051004	2013	7	29	17	V	4.4	3.1	5.07	185
250051004	2013	7	29	18	V	3.7	3.1	4.67	179
250051004	2013	7	29	19	V	3.3	3.1	3.87	200
250051004	2013	7	29	20	V	3.2	3	3.46	194
250051004	2013	7	29	21	V	3.1	2.4	2.2	193
250051004	2013	7	29	22	V	3.0	2.8	2.04	218
250051004	2013	7	29	23	V	3.1	3	2.62	255
250051004	2013	7	29	24	V	6.8	3.1	2.76	267
250051004	2013	7	30	1	V	9.1	3.2	2.56	277
250051004	2013	7	30	2	V	6.4	3.3	2.98	311

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	7	30	3	V	9.1	5.9	2.55	320
250051004	2013	7	30	4	V	7.6	5.1	2.1	295
250051004	2013	7	30	5	V	7.4	3.3	1.96	293
250051004	2013	7	30	6	V	8.0	3.2	2.11	296
250051004	2013	7	30	7	V	7.9	4.2	3.05	302
250051004	2013	7	30	8	V	7.7	4.7	4.63	307
250051004	2013	7	30	9	V	17.2	4.4	4.95	319
250051004	2013	7	30	10	V	15.8	3.8	4.29	316
250051004	2013	7	30	11	V	12.6	3.2	5.16	307
250051004	2013	7	30	12	V	21.2	3.2	5.16	308
250051004	2013	7	30	13	V	26.5	3	4.97	319
250051004	2013	7	30	14	V	17.8	3.2	5.19	302
250051004	2013	7	30	15	V	9.8	3.7	5.22	310
250051004	2013	7	30	16	V	6.2	5	4.61	295
250051004	2013	7	30	17	V	4.4	3.4	4.71	283
250051004	2013	7	30	18	V	3.7	2.2	4.66	283
250051004	2013	7	30	19	V	3.3	3.3	3.39	276
250051004	2013	7	30	20	V	3.2	3.4	3.29	276
250051004	2013	7	30	21	V	3.1	3.3	3.07	263
250051004	2013	7	30	22	V	3.0	3.3	2.95	274
250051004	2013	7	30	23	V	3.1	3.3	2.4	286
250051004	2013	7	30	24	V	6.8	4.1	1.3	253
250051004	2013	7	31	1	V	9.1	3.5	0.97	219
250051004	2013	7	31	2	V	6.4	3.7	1.57	258
250051004	2013	7	31	3	V	9.1	3.5	1.71	230
250051004	2013	7	31	4	V	7.6	3.4	1.55	252
250051004	2013	7	31	5	V	7.4	3.5	2.13	248
250051004	2013	7	31	6	V	8.0	3.5	2.37	278
250051004	2013	7	31	7	V	8.6	4.1	2.06	308
250051004	2013	7	31	8	V	7.5	3.3	3.68	356
250051004	2013	7	31	9	V	7.4	3.1	3.69	24
250051004	2013	7	31	10	V	7.5	3.2	2.91	66
250051004	2013	7	31	11	V	10.8	3.8	2.57	123
250051004	2013	7	31	12	V	18.6	-999	3.01	168
250051004	2013	7	31	13	V	16.3	1	2.42	211
250051004	2013	7	31	14	V	17.0	0.8	4.48	166
250051004	2013	7	31	15	V	6.5	0.7	4.78	146
250051004	2013	7	31	16	V	6.1	0.7	4.85	186
250051004	2013	7	31	17	V	4.4	0.7	4.39	207
250051004	2013	7	31	18	V	3.7	0.6	4.6	206
250051004	2013	7	31	19	V	3.3	0.8	3.98	212
250051004	2013	7	31	20	V	3.2	0.8	2.84	200
250051004	2013	7	31	21	V	3.1	0.7	1.98	188
250051004	2013	7	31	22	V	3.0	0.8	1.93	197
250051004	2013	7	31	23	V	3.1	0.7	2.32	197
250051004	2013	7	31	24	V	6.8	1.8	1.93	202

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	1	1	V	9.1	10.6	1.23	210
250051004	2013	8	1	2	V	6.4	4.6	0.84	192
250051004	2013	8	1	3	V	9.1	1.8	0.89	193
250051004	2013	8	1	4	V	7.6	1.5	0.92	200
250051004	2013	8	1	5	V	7.4	1.1	0.89	216
250051004	2013	8	1	6	V	8.0	0.8	1.2	243
250051004	2013	8	1	7	V	7.8	1	2.4	196
250051004	2013	8	1	8	V	7.5	0.9	3.98	170
250051004	2013	8	1	9	V	7.4	0.8	4.46	155
250051004	2013	8	1	10	V	7.3	2	5.43	144
250051004	2013	8	1	11	V	10.6	3	6.4	151
250051004	2013	8	1	12	V	18.4	0.9	7.4	151
250051004	2013	8	1	13	V	15.9	1.2	6.69	162
250051004	2013	8	1	14	V	17.0	1	6.35	168
250051004	2013	8	1	15	V	6.5	1	6.19	177
250051004	2013	8	1	16	V	6.0	1	6.23	203
250051004	2013	8	1	17	V	4.4	1	3.71	211
250051004	2013	8	1	18	V	3.7	1.1	2.4	209
250051004	2013	8	1	19	V	3.3	-999	1.52	207
250051004	2013	8	1	20	V	3.2	0.8	3.37	187
250051004	2013	8	1	21	V	3.1	0.8	4.97	198
250051004	2013	8	1	22	V	3.0	0.8	3.32	184
250051004	2013	8	1	23	V	3.1	0.8	2.15	183
250051004	2013	8	1	24	V	6.8	1	1.89	153
250051004	2013	8	2	1	V	9.1	1.1	1.47	124
250051004	2013	8	2	2	V	6.4	0.9	1.21	114
250051004	2013	8	2	3	V	9.1	1.1	1.76	113
250051004	2013	8	2	4	V	7.6	1	1.52	98
250051004	2013	8	2	5	V	7.4	1	1.4	41
250051004	2013	8	2	6	V	8.0	1	1.91	15
250051004	2013	8	2	7	V	7.9	1	1.6	11
250051004	2013	8	2	8	V	15.8	1.2	2.27	322
250051004	2013	8	2	9	V	12.1	1	2.32	306
250051004	2013	8	2	10	V	8.7	0.9	3.63	306
250051004	2013	8	2	11	V	10.7	0.9	3.98	297
250051004	2013	8	2	12	V	18.5	1	4.29	286
250051004	2013	8	2	13	V	16.0	1	4.65	291
250051004	2013	8	2	14	V	17.0	0.7	4.95	271
250051004	2013	8	2	15	V	6.4	0.7	6.16	279
250051004	2013	8	2	16	V	6.0	0.8	5.56	266
250051004	2013	8	2	17	V	4.4	0.7	5.04	257
250051004	2013	8	2	18	V	3.7	0.9	5.33	242
250051004	2013	8	2	19	V	3.3	0.7	4.48	221
250051004	2013	8	2	20	V	3.2	0.9	3.63	205
250051004	2013	8	2	21	V	3.1	0.8	3.56	214
250051004	2013	8	2	22	V	3.0	0.8	4.15	226

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	2	23	V	3.1	0.9	3.29	230
250051004	2013	8	2	24	V	6.8	0.9	1.81	202
250051004	2013	8	3	1	V	9.1	2.4	2.4	198
250051004	2013	8	3	2	V	6.4	5.6	2.25	208
250051004	2013	8	3	3	V	9.1	3.5	2.28	210
250051004	2013	8	3	4	V	7.6	3.3	4.48	244
250051004	2013	8	3	5	V	7.4	2.6	4.54	239
250051004	2013	8	3	6	V	8.0	4.2	3.93	237
250051004	2013	8	3	7	V	7.8	2.3	4.42	235
250051004	2013	8	3	8	V	7.5	2.1	4.83	245
250051004	2013	8	3	9	V	7.3	2.1	5.22	257
250051004	2013	8	3	10	V	7.3	2	4.71	254
250051004	2013	8	3	11	V	10.5	1.6	3.88	241
250051004	2013	8	3	12	V	18.4	1.1	3.54	232
250051004	2013	8	3	13	V	15.9	1	4.59	233
250051004	2013	8	3	14	V	16.9	0.9	5.19	242
250051004	2013	8	3	15	V	6.4	1	4.85	237
250051004	2013	8	3	16	V	6.0	0.9	5.46	239
250051004	2013	8	3	17	V	4.3	1	5.26	237
250051004	2013	8	3	18	V	3.6	1.2	4.99	242
250051004	2013	8	3	19	V	3.3	1	3.54	239
250051004	2013	8	3	20	V	3.2	1.1	5.39	259
250051004	2013	8	3	21	V	3.1	0.9	4.05	254
250051004	2013	8	3	22	V	3.0	0.7	3.18	257
250051004	2013	8	3	23	V	3.1	0.8	4.17	271
250051004	2013	8	3	24	V	6.8	0.8	3.22	268
250051004	2013	8	4	1	V	9.1	1	2.79	259
250051004	2013	8	4	2	V	6.4	1.3	2.91	260
250051004	2013	8	4	3	V	9.1	1.4	2.61	264
250051004	2013	8	4	4	V	7.6	1.2	1.42	253
250051004	2013	8	4	5	V	7.4	0.9	1.26	264
250051004	2013	8	4	6	V	8.0	0.8	1.57	223
250051004	2013	8	4	7	V	7.8	0.1	2.57	296
250051004	2013	8	4	8	V	7.5	0.6	2.91	300
250051004	2013	8	4	9	V	7.3	0.5	4.17	303
250051004	2013	8	4	10	V	7.3	0.8	3.71	312
250051004	2013	8	4	11	V	10.5	0.9	5.24	314
250051004	2013	8	4	12	V	18.4	0.9	5.27	317
250051004	2013	8	4	13	V	15.9	0.7	5.62	296
250051004	2013	8	4	14	V	16.9	0.9	5.07	299
250051004	2013	8	4	15	V	6.4	0.8	5.24	287
250051004	2013	8	4	16	V	6.0	0.9	4.94	290
250051004	2013	8	4	17	V	4.3	0.9	5.34	287
250051004	2013	8	4	18	V	3.6	1	4.32	285
250051004	2013	8	4	19	V	3.3	-999	3.8	297
250051004	2013	8	4	20	V	3.2	0.6	3.68	299

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	4	21	V	3.1	0.7	2.81	294
250051004	2013	8	4	22	V	3.0	0.6	2.44	299
250051004	2013	8	4	23	V	3.1	0.6	2.84	306
250051004	2013	8	4	24	V	6.8	0.8	4.1	319
250051004	2013	8	5	1	V	9.1	0.6	3.08	328
250051004	2013	8	5	2	V	6.4	0.7	2.54	314
250051004	2013	8	5	3	V	9.1	0.9	2.69	281
250051004	2013	8	5	4	V	7.6	0.7	2.76	270
250051004	2013	8	5	5	V	7.4	0.5	2.21	270
250051004	2013	8	5	6	V	8.0	0.6	2.35	300
250051004	2013	8	5	7	V	7.8	0.6	4.39	319
250051004	2013	8	5	8	V	7.5	0.5	5.75	311
250051004	2013	8	5	9	V	7.3	0.6	5.58	313
250051004	2013	8	5	10	V	7.3	0.5	5.6	305
250051004	2013	8	5	11	V	10.5	0.4	6.04	306
250051004	2013	8	5	12	V	18.4	0.5	5.19	317
250051004	2013	8	5	13	V	15.9	0.5	5.33	305
250051004	2013	8	5	14	V	16.9	0.5	6.02	308
250051004	2013	8	5	15	V	6.4	0.5	5.65	310
250051004	2013	8	5	16	V	6.0	0.5	4.97	329
250051004	2013	8	5	17	V	4.3	0.5	4.25	302
250051004	2013	8	5	18	V	3.6	0.6	3.76	294
250051004	2013	8	5	19	V	3.3	0.5	2.71	281
250051004	2013	8	5	20	V	3.2	0.5	2.47	265
250051004	2013	8	5	21	V	3.1	0.5	2.33	267
250051004	2013	8	5	22	V	3.0	0.4	1.65	272
250051004	2013	8	5	23	V	3.1	0.6	1.62	276
250051004	2013	8	5	24	V	6.8	0.5	1.47	256
250051004	2013	8	6	1	V	9.1	0.7	1.11	275
250051004	2013	8	6	2	V	6.4	0.7	1.55	286
250051004	2013	8	6	3	V	9.1	0.6	1.54	267
250051004	2013	8	6	4	V	7.6	0.5	1.62	282
250051004	2013	8	6	5	V	7.4	0.5	1.54	271
250051004	2013	8	6	6	V	8.0	0.7	1.5	270
250051004	2013	8	6	7	V	7.8	0.7	1.14	301
250051004	2013	8	6	8	V	7.5	0.6	0.74	252
250051004	2013	8	6	9	V	7.3	0.2	1.6	111
250051004	2013	8	6	10	V	7.3	0	2.13	103
250051004	2013	8	6	11	V	10.5	0.5	2.32	146
250051004	2013	8	6	12	V	18.4	0.3	3.32	175
250051004	2013	8	6	13	V	15.9	0.3	4.1	157
250051004	2013	8	6	14	V	16.9	0.2	6.06	150
250051004	2013	8	6	15	V	6.4	0.2	5.87	161
250051004	2013	8	6	16	V	6.0	0.3	5.44	148
250051004	2013	8	6	17	V	4.3	0.4	4.54	158
250051004	2013	8	6	18	V	3.6	0.3	4.14	173

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	6	19	V	3.3	0.1	3.74	209
250051004	2013	8	6	20	V	3.2	0.2	2.74	199
250051004	2013	8	6	21	V	3.1	0.2	2.01	193
250051004	2013	8	6	22	V	3.0	0.3	2.03	187
250051004	2013	8	6	23	V	3.1	0.1	1.2	198
250051004	2013	8	6	24	V	6.8	0.1	0.67	198
250051004	2013	8	7	1	V	9.1	2.7	1.11	262
250051004	2013	8	7	2	V	6.4	0.3	1.81	263
250051004	2013	8	7	3	V	9.1	0.2	0.92	231
250051004	2013	8	7	4	V	7.6	0.1	0.65	225
250051004	2013	8	7	5	V	7.4	0.1	0.53	258
250051004	2013	8	7	6	V	8.0	0.3	0.58	221
250051004	2013	8	7	7	C	-999	0.4	0	0
250051004	2013	8	7	8	V	7.5	1.3	1.69	182
250051004	2013	8	7	9	V	7.3	1.3	3.03	168
250051004	2013	8	7	10	V	7.3	0.1	3.35	143
250051004	2013	8	7	11	V	10.5	0.9	3.9	156
250051004	2013	8	7	12	V	18.4	0.1	4.9	164
250051004	2013	8	7	13	V	15.9	0.4	5.65	151
250051004	2013	8	7	14	V	16.9	0.1	6.55	151
250051004	2013	8	7	15	V	6.4	0	6.7	153
250051004	2013	8	7	16	V	6.0	0.1	6.58	151
250051004	2013	8	7	17	V	4.3	0.1	5.75	160
250051004	2013	8	7	18	V	3.6	0.1	5.31	171
250051004	2013	8	7	19	V	3.3	-999	4.17	176
250051004	2013	8	7	20	V	3.2	0	3.29	181
250051004	2013	8	7	21	V	3.1	0.1	2.71	175
250051004	2013	8	7	22	V	3.0	0.1	2.81	187
250051004	2013	8	7	23	V	3.1	0.2	2.74	180
250051004	2013	8	7	24	V	6.8	0.2	3.01	187
250051004	2013	8	8	1	V	9.1	0.1	3.35	177
250051004	2013	8	8	2	V	6.4	0.2	4.03	174
250051004	2013	8	8	3	V	9.1	0.2	4.24	177
250051004	2013	8	8	4	V	7.6	0.1	3.52	178
250051004	2013	8	8	5	V	7.4	0.2	3.34	174
250051004	2013	8	8	6	V	8.0	0.3	4.22	184
250051004	2013	8	8	7	V	7.8	0.2	3.46	181
250051004	2013	8	8	8	V	7.5	0.5	4.39	186
250051004	2013	8	8	9	V	7.3	-999	5.75	202
250051004	2013	8	8	10	V	7.3	-999	6.33	204
250051004	2013	8	8	11	V	10.5	-999	6.31	207
250051004	2013	8	8	12	V	18.4	5	5.46	200
250051004	2013	8	8	13	V	15.9	2.2	5.7	199
250051004	2013	8	8	14	V	16.9	0.9	4.99	198
250051004	2013	8	8	15	V	6.4	0.9	5.7	192
250051004	2013	8	8	16	V	6.0	0.8	5.58	191

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	8	17	V	4.3	0.9	4.71	197
250051004	2013	8	8	18	V	3.6	0.7	4.97	192
250051004	2013	8	8	19	V	3.3	0.8	3.88	190
250051004	2013	8	8	20	V	3.2	0.8	3.42	164
250051004	2013	8	8	21	V	3.1	0.8	3.56	170
250051004	2013	8	8	22	V	3.0	0.8	3.15	174
250051004	2013	8	8	23	V	3.1	0.6	3.92	182
250051004	2013	8	8	24	V	6.8	17.8	4.97	199
250051004	2013	8	9	1	V	9.1	9.5	4.99	202
250051004	2013	8	9	2	V	6.4	6.8	4.94	205
250051004	2013	8	9	3	V	9.1	7.9	5.05	201
250051004	2013	8	9	4	V	7.6	6.1	4.56	192
250051004	2013	8	9	5	V	7.4	7.1	4.85	196
250051004	2013	8	9	6	V	8.0	6.6	5.62	194
250051004	2013	8	9	7	V	7.8	4.4	4.87	185
250051004	2013	8	9	8	V	7.5	2.9	4.17	174
250051004	2013	8	9	9	V	7.3	1.6	4.58	169
250051004	2013	8	9	10	V	7.3	1.2	5.62	173
250051004	2013	8	9	11	V	10.5	1	6.97	179
250051004	2013	8	9	12	V	18.4	1.2	6.57	180
250051004	2013	8	9	13	V	15.9	1	7.31	166
250051004	2013	8	9	14	V	16.9	1.1	7.6	179
250051004	2013	8	9	15	V	6.4	1.1	7.59	192
250051004	2013	8	9	16	V	6.0	1.2	8.17	200
250051004	2013	8	9	17	V	4.3	1.1	6.5	208
250051004	2013	8	9	18	V	3.6	1.1	4.99	209
250051004	2013	8	9	19	V	3.3	1.2	4.53	208
250051004	2013	8	9	20	V	3.2	1	3.17	222
250051004	2013	8	9	21	V	3.1	1.1	2.25	223
250051004	2013	8	9	22	V	3.0	1.2	2.52	205
250051004	2013	8	9	23	V	3.1	1.2	2.62	186
250051004	2013	8	9	24	V	6.8	1.1	2.59	221
250051004	2013	8	10	1	V	9.1	1.1	3.17	236
250051004	2013	8	10	2	V	6.4	1	3.17	262
250051004	2013	8	10	3	V	9.1	1.1	3.22	276
250051004	2013	8	10	4	V	7.6	1.2	2.91	271
250051004	2013	8	10	5	V	7.4	1.4	3.81	274
250051004	2013	8	10	6	V	8.0	1.4	4.7	273
250051004	2013	8	10	7	V	7.8	1.8	4.65	273
250051004	2013	8	10	8	V	7.5	1.6	4.19	282
250051004	2013	8	10	9	V	7.3	1.2	4.14	300
250051004	2013	8	10	10	V	7.3	1.3	4.58	299
250051004	2013	8	10	11	V	10.5	1.4	4.53	281
250051004	2013	8	10	12	V	18.4	1.4	5.26	282
250051004	2013	8	10	13	V	15.9	1.4	5.34	285
250051004	2013	8	10	14	V	16.9	1.2	5.41	283

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	10	15	V	6.4	1	5.84	268
250051004	2013	8	10	16	V	6.0	1.2	6.06	271
250051004	2013	8	10	17	V	4.3	1.1	4.68	287
250051004	2013	8	10	18	V	3.6	1.3	4.82	313
250051004	2013	8	10	19	V	3.3	-999	4.02	324
250051004	2013	8	10	20	V	3.2	0.9	2.76	294
250051004	2013	8	10	21	V	3.1	1	2.76	273
250051004	2013	8	10	22	V	3.0	1	4.24	289
250051004	2013	8	10	23	V	3.1	0.9	3.03	293
250051004	2013	8	10	24	V	6.8	1	1.74	267
250051004	2013	8	11	1	V	9.1	1	2.1	279
250051004	2013	8	11	2	V	6.4	0.8	2.71	312
250051004	2013	8	11	3	V	9.1	1.1	1.6	322
250051004	2013	8	11	4	V	7.6	1	1.52	272
250051004	2013	8	11	5	V	7.4	0.9	1.6	272
250051004	2013	8	11	6	V	8.0	0.9	1.77	278
250051004	2013	8	11	7	V	7.8	0.9	1.81	279
250051004	2013	8	11	8	V	7.5	1.1	1.67	279
250051004	2013	8	11	9	V	7.3	0.8	1.86	303
250051004	2013	8	11	10	V	7.3	0.8	2.44	310
250051004	2013	8	11	11	V	10.5	1	3.91	279
250051004	2013	8	11	12	V	18.4	1	4.12	271
250051004	2013	8	11	13	V	15.9	1	3.69	285
250051004	2013	8	11	14	V	16.9	0.9	3.44	287
250051004	2013	8	11	15	V	6.4	1	3.71	276
250051004	2013	8	11	16	V	6.0	1	3.85	286
250051004	2013	8	11	17	V	4.3	1	3.75	292
250051004	2013	8	11	18	V	3.6	1	3.54	288
250051004	2013	8	11	19	V	3.3	1	4.37	231
250051004	2013	8	11	20	V	3.2	1.1	3.56	223
250051004	2013	8	11	21	V	3.1	1	3.22	232
250051004	2013	8	11	22	V	3.0	1	3.08	246
250051004	2013	8	11	23	V	3.1	0.9	2.95	251
250051004	2013	8	11	24	V	6.8	5.9	2.5	246
250051004	2013	8	12	1	V	9.1	5.6	2.18	256
250051004	2013	8	12	2	V	6.4	-999	1.82	258
250051004	2013	8	12	3	V	9.1	-999	1.74	236
250051004	2013	8	12	4	V	7.6	1.5	1.04	241
250051004	2013	8	12	5	V	7.4	2.8	1.82	215
250051004	2013	8	12	6	V	8.0	3	1.65	235
250051004	2013	8	12	7	V	7.9	2.6	1.48	249
250051004	2013	8	12	8	V	7.7	2.4	1.76	275
250051004	2013	8	12	9	V	15.1	1.7	1.96	316
250051004	2013	8	12	10	V	7.4	5.5	2.16	26
250051004	2013	8	12	11	V	10.7	12.6	1.79	200
250051004	2013	8	12	12	V	18.4	1.8	3.76	156

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	12	13	V	15.9	1.4	4.02	156
250051004	2013	8	12	14	V	17.0	1.3	4.02	153
250051004	2013	8	12	15	V	6.4	1.3	3.93	161
250051004	2013	8	12	16	V	6.0	1.4	4.29	156
250051004	2013	8	12	17	V	4.4	1.4	3.78	234
250051004	2013	8	12	18	V	3.6	1.3	4.02	208
250051004	2013	8	12	19	V	3.3	1.3	3.15	206
250051004	2013	8	12	20	V	3.2	1.4	2.67	205
250051004	2013	8	12	21	V	3.1	1.3	1.79	187
250051004	2013	8	12	22	V	3.0	1.3	2.16	195
250051004	2013	8	12	23	V	3.1	1.3	1.35	185
250051004	2013	8	12	24	V	6.8	1.4	1.47	227
250051004	2013	8	13	1	V	9.1	1.4	1.79	243
250051004	2013	8	13	2	C	-999	1.4	0	0
250051004	2013	8	13	3	C	-999	1.3	0	0
250051004	2013	8	13	4	C	-999	2.5	0	0
250051004	2013	8	13	5	C	-999	2	0	0
250051004	2013	8	13	6	V	8.0	1.6	0.94	235
250051004	2013	8	13	7	V	7.8	1.6	1.47	183
250051004	2013	8	13	8	V	7.5	1.9	2.08	164
250051004	2013	8	13	9	V	7.3	0.7	3.32	170
250051004	2013	8	13	10	V	7.3	3.1	2.73	176
250051004	2013	8	13	11	V	10.5	5.4	3.64	195
250051004	2013	8	13	12	V	18.4	4.1	3.22	165
250051004	2013	8	13	13	V	15.9	1.8	3.68	141
250051004	2013	8	13	14	V	16.9	1.8	3.03	122
250051004	2013	8	13	15	V	6.4	1.7	3.08	148
250051004	2013	8	13	16	V	6.0	1.7	2.52	116
250051004	2013	8	13	17	V	4.4	1.8	2.5	108
250051004	2013	8	13	18	V	3.7	1.6	1.23	58
250051004	2013	8	13	19	V	3.3	-999	1.55	195
250051004	2013	8	13	20	V	3.2	1.6	1.43	186
250051004	2013	8	13	21	V	3.1	1.6	1.76	225
250051004	2013	8	13	22	V	3.0	1.7	2.08	254
250051004	2013	8	13	23	V	3.1	1.8	2.06	234
250051004	2013	8	13	24	V	6.8	6.2	2.66	204
250051004	2013	8	14	1	V	9.1	3.4	2.42	216
250051004	2013	8	14	2	V	6.4	1.9	1.93	249
250051004	2013	8	14	3	V	9.1	1.9	1.94	287
250051004	2013	8	14	4	V	7.6	1.9	3.88	305
250051004	2013	8	14	5	V	7.4	1.7	4.07	314
250051004	2013	8	14	6	V	8.0	1.6	3.59	312
250051004	2013	8	14	7	V	7.8	1.6	3.46	304
250051004	2013	8	14	8	V	7.5	1.7	4.6	298
250051004	2013	8	14	9	V	7.3	1.5	5.94	302
250051004	2013	8	14	10	V	7.3	1.3	6.14	294

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	14	11	V	10.5	1.6	6.38	291
250051004	2013	8	14	12	V	18.4	1.5	7.32	287
250051004	2013	8	14	13	V	15.9	1.7	7.82	296
250051004	2013	8	14	14	V	16.9	1.5	7.37	291
250051004	2013	8	14	15	V	6.4	1.6	7.79	299
250051004	2013	8	14	16	V	6.2	1.7	6.24	308
250051004	2013	8	14	17	V	4.4	1.6	5.51	305
250051004	2013	8	14	18	V	3.6	1.5	5.92	298
250051004	2013	8	14	19	V	3.3	1.5	4.48	290
250051004	2013	8	14	20	V	3.2	1.5	3.39	280
250051004	2013	8	14	21	V	3.1	2.1	3.07	272
250051004	2013	8	14	22	V	3.0	2.2	3.01	293
250051004	2013	8	14	23	V	3.1	1.3	3.01	292
250051004	2013	8	14	24	V	6.8	1.2	2.35	276
250051004	2013	8	15	1	V	9.1	1.2	2.15	275
250051004	2013	8	15	2	V	6.4	1	2.08	236
250051004	2013	8	15	3	V	9.1	1.3	2.23	266
250051004	2013	8	15	4	V	7.6	1.4	2.13	267
250051004	2013	8	15	5	V	7.4	1.4	2.64	286
250051004	2013	8	15	6	V	8.0	1.1	2.25	279
250051004	2013	8	15	7	V	7.8	1.1	2.71	290
250051004	2013	8	15	8	V	7.5	1.1	2.11	280
250051004	2013	8	15	9	V	7.3	1.1	2.45	259
250051004	2013	8	15	10	V	7.3	1.1	3.3	285
250051004	2013	8	15	11	V	10.5	1.1	4.44	281
250051004	2013	8	15	12	V	18.4	1.2	4.44	281
250051004	2013	8	15	13	V	15.9	1.1	4.14	269
250051004	2013	8	15	14	V	16.9	1	3.52	288
250051004	2013	8	15	15	V	6.4	1.1	3.97	283
250051004	2013	8	15	16	V	6.0	1	4.39	274
250051004	2013	8	15	17	V	4.3	1.2	4.29	284
250051004	2013	8	15	18	V	3.6	1.4	4	278
250051004	2013	8	15	19	V	3.3	1.1	3.88	227
250051004	2013	8	15	20	V	3.2	1.2	4.2	213
250051004	2013	8	15	21	V	3.1	1.2	4.83	227
250051004	2013	8	15	22	V	3.0	1	3.75	252
250051004	2013	8	15	23	V	3.1	0.9	3.32	246
250051004	2013	8	15	24	V	6.8	1.1	3.27	263
250051004	2013	8	16	1	V	9.1	1.1	3.49	266
250051004	2013	8	16	2	V	6.4	1	3.32	263
250051004	2013	8	16	3	V	9.1	1	2.32	264
250051004	2013	8	16	4	V	7.6	1.4	2.15	257
250051004	2013	8	16	5	V	7.4	1.4	1.38	211
250051004	2013	8	16	6	V	8.0	1.4	1.14	258
250051004	2013	8	16	7	V	7.8	1.6	1.57	280
250051004	2013	8	16	8	V	7.5	1.4	2.52	264

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	16	9	V	7.3	1.2	2.64	268
250051004	2013	8	16	10	V	7.3	1.1	3.44	269
250051004	2013	8	16	11	V	10.5	1.1	3.74	272
250051004	2013	8	16	12	V	18.4	2.2	3	276
250051004	2013	8	16	13	V	15.9	1.3	3.4	199
250051004	2013	8	16	14	V	16.9	1.2	3.93	187
250051004	2013	8	16	15	V	6.4	1.1	4.56	183
250051004	2013	8	16	16	V	6.0	0.6	5.36	149
250051004	2013	8	16	17	V	4.3	1.1	5.84	189
250051004	2013	8	16	18	V	3.6	1	5.62	213
250051004	2013	8	16	19	V	3.3	-999	3.29	209
250051004	2013	8	16	20	V	3.2	1	2.81	198
250051004	2013	8	16	21	V	3.1	1.1	1.59	195
250051004	2013	8	16	22	V	3.0	1	2.33	231
250051004	2013	8	16	23	V	3.1	0.9	1.54	208
250051004	2013	8	16	24	V	6.8	1	1.42	196
250051004	2013	8	17	1	V	9.1	0.9	1.42	220
250051004	2013	8	17	2	V	6.4	1	1.64	272
250051004	2013	8	17	3	V	9.1	0.9	1.06	263
250051004	2013	8	17	4	V	7.6	1	1.43	259
250051004	2013	8	17	5	V	7.4	1.3	1.21	257
250051004	2013	8	17	6	V	8.0	1.3	0.92	312
250051004	2013	8	17	7	V	7.8	1	0.86	3
250051004	2013	8	17	8	V	7.5	1	2.61	343
250051004	2013	8	17	9	V	7.3	1	1.77	1
250051004	2013	8	17	10	V	7.3	1.1	1.67	50
250051004	2013	8	17	11	V	10.5	1	1.89	43
250051004	2013	8	17	12	V	18.4	0.9	2.57	100
250051004	2013	8	17	13	V	15.9	1.1	2.2	102
250051004	2013	8	17	14	V	16.9	1	1.71	138
250051004	2013	8	17	15	V	6.4	0.5	2.52	65
250051004	2013	8	17	16	V	6.0	1	2.96	93
250051004	2013	8	17	17	V	4.3	0.9	3.39	143
250051004	2013	8	17	18	V	3.6	0.9	3.24	175
250051004	2013	8	17	19	V	3.3	1.1	1.96	174
250051004	2013	8	17	20	V	3.2	1	1.62	185
250051004	2013	8	17	21	V	3.1	1.1	1.33	191
250051004	2013	8	17	22	V	3.0	0.8	1.38	198
250051004	2013	8	17	23	V	3.1	0.8	1.48	215
250051004	2013	8	17	24	V	6.8	0.8	1.31	204
250051004	2013	8	18	1	V	9.1	0.7	1.55	197
250051004	2013	8	18	2	V	6.4	0.8	1.26	216
250051004	2013	8	18	3	V	9.1	0.9	1.14	271
250051004	2013	8	18	4	V	7.6	0.9	1.3	275
250051004	2013	8	18	5	V	7.4	0.8	1.03	261
250051004	2013	8	18	6	V	8.0	0.8	1.21	253

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	18	7	V	7.8	1	1.28	276
250051004	2013	8	18	8	V	7.5	0.9	0.74	251
250051004	2013	8	18	9	V	7.3	1	0.69	189
250051004	2013	8	18	10	V	7.3	0.9	1.42	152
250051004	2013	8	18	11	V	10.5	0.9	2.37	159
250051004	2013	8	18	12	V	18.4	0.9	3.35	146
250051004	2013	8	18	13	V	15.9	0.9	3.18	163
250051004	2013	8	18	14	V	16.9	1	2.81	183
250051004	2013	8	18	15	V	6.4	1.2	2.86	151
250051004	2013	8	18	16	V	6.0	1	3.63	166
250051004	2013	8	18	17	V	4.3	1.1	4.02	177
250051004	2013	8	18	18	V	3.6	1	3.12	184
250051004	2013	8	18	19	V	3.3	1.2	1.7	223
250051004	2013	8	18	20	V	3.2	0.9	1.77	238
250051004	2013	8	18	21	V	3.1	1.1	1.54	209
250051004	2013	8	18	22	V	3.0	1.2	1.69	225
250051004	2013	8	18	23	V	3.1	1.1	2.06	243
250051004	2013	8	18	24	V	6.8	11	1.89	240
250051004	2013	8	19	1	V	9.1	13.1	2.16	257
250051004	2013	8	19	2	V	6.4	1.7	1.67	212
250051004	2013	8	19	3	V	9.1	1.4	2.84	236
250051004	2013	8	19	4	V	7.6	1.2	4.1	261
250051004	2013	8	19	5	V	7.4	1	4.19	268
250051004	2013	8	19	6	V	8.0	1.3	3.69	270
250051004	2013	8	19	7	V	7.8	1.4	3.74	271
250051004	2013	8	19	8	V	7.5	1.5	3.42	278
250051004	2013	8	19	9	V	7.3	1.7	3.47	281
250051004	2013	8	19	10	V	7.3	1.7	3.75	280
250051004	2013	8	19	11	V	10.5	1.7	4.78	280
250051004	2013	8	19	12	V	18.4	1.5	5.39	295
250051004	2013	8	19	13	V	15.9	1.3	5.26	271
250051004	2013	8	19	14	V	16.9	1.5	5.19	277
250051004	2013	8	19	15	V	6.4	1.6	5.17	279
250051004	2013	8	19	16	V	6.0	1.5	4.83	275
250051004	2013	8	19	17	V	4.3	1.7	4.65	263
250051004	2013	8	19	18	V	3.6	1.6	4.08	253
250051004	2013	8	19	19	V	3.3	-999	3.44	262
250051004	2013	8	19	20	V	3.2	1.2	2.47	238
250051004	2013	8	19	21	V	3.1	1.5	3.13	243
250051004	2013	8	19	22	V	3.0	1.4	3.76	264
250051004	2013	8	19	23	V	3.1	1.2	3.98	262
250051004	2013	8	19	24	V	6.8	0.9	3.85	265
250051004	2013	8	20	1	V	9.1	1.5	4.14	266
250051004	2013	8	20	2	V	6.4	1.5	2.96	270
250051004	2013	8	20	3	V	9.1	1.4	2.52	271
250051004	2013	8	20	4	V	7.6	1.4	2.37	273

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	20	5	V	7.4	1.4	2.33	270
250051004	2013	8	20	6	V	8.0	1.5	1.89	272
250051004	2013	8	20	7	V	7.8	-999	1.42	253
250051004	2013	8	20	8	V	7.5	-999	1.94	293
250051004	2013	8	20	9	V	7.8	-999	3.3	309
250051004	2013	8	20	10	V	7.4	-999	3.18	298
250051004	2013	8	20	11	V	10.6	2.3	2.64	274
250051004	2013	8	20	12	V	18.4	1.8	3.18	283
250051004	2013	8	20	13	V	16.0	2.2	2.99	263
250051004	2013	8	20	14	V	17.0	1.5	3.15	259
250051004	2013	8	20	15	V	6.6	1.5	2.98	291
250051004	2013	8	20	16	V	6.0	1.4	3.86	291
250051004	2013	8	20	17	V	4.4	1.5	3.57	287
250051004	2013	8	20	18	V	3.7	1.4	3.3	300
250051004	2013	8	20	19	V	3.3	1.3	2.37	271
250051004	2013	8	20	20	V	3.2	1.6	2.06	262
250051004	2013	8	20	21	V	3.1	1.5	2.57	252
250051004	2013	8	20	22	V	3.0	1.5	2.66	260
250051004	2013	8	20	23	V	3.1	1.5	2.61	263
250051004	2013	8	20	24	V	6.8	1.5	2.59	261
250051004	2013	8	21	1	V	9.1	1.4	2.39	262
250051004	2013	8	21	2	V	6.4	1.2	3.03	263
250051004	2013	8	21	3	V	9.1	1.5	2.16	269
250051004	2013	8	21	4	V	7.6	1.4	2.45	267
250051004	2013	8	21	5	V	7.4	1.5	2.06	273
250051004	2013	8	21	6	V	8.0	1.3	2.05	264
250051004	2013	8	21	7	V	7.8	1.4	2.49	275
250051004	2013	8	21	8	V	7.6	1.5	2.49	265
250051004	2013	8	21	9	V	7.5	2.2	2.76	281
250051004	2013	8	21	10	V	7.4	2.3	2.74	284
250051004	2013	8	21	11	V	10.6	1.8	3.46	268
250051004	2013	8	21	12	V	18.5	1.9	3.59	285
250051004	2013	8	21	13	V	16.0	1.7	3.46	259
250051004	2013	8	21	14	V	17.0	1.5	3.8	269
250051004	2013	8	21	15	V	6.5	1.7	4.31	276
250051004	2013	8	21	16	V	6.1	1.4	4.27	268
250051004	2013	8	21	17	V	4.4	1.3	4.39	289
250051004	2013	8	21	18	V	3.7	1.6	3.58	254
250051004	2013	8	21	19	V	3.3	1.6	3.54	215
250051004	2013	8	21	20	V	3.2	1.5	2.47	216
250051004	2013	8	21	21	V	3.1	1.6	2.33	208
250051004	2013	8	21	22	V	3.0	1.5	3.32	242
250051004	2013	8	21	23	V	3.1	1.5	3.73	250
250051004	2013	8	21	24	V	6.8	1.7	3.25	245
250051004	2013	8	22	1	V	9.1	2	2.98	251
250051004	2013	8	22	2	V	6.4	1.8	3.03	252

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	22	3	V	9.1	0.8	2.71	247
250051004	2013	8	22	4	V	7.6	1.1	2.01	240
250051004	2013	8	22	5	V	7.4	2.6	1.91	226
250051004	2013	8	22	6	V	8.0	5.2	1.71	205
250051004	2013	8	22	7	V	8.4	11.9	1.43	187
250051004	2013	8	22	8	V	7.5	6.3	2.91	230
250051004	2013	8	22	9	V	7.4	5.5	3.46	229
250051004	2013	8	22	10	V	7.4	5.5	3.54	233
250051004	2013	8	22	11	V	10.5	5.5	4.34	226
250051004	2013	8	22	12	V	18.4	2.2	5.5	225
250051004	2013	8	22	13	V	15.9	1.8	4.1	220
250051004	2013	8	22	14	V	17.0	1.6	4.92	246
250051004	2013	8	22	15	V	6.4	1.5	3.54	243
250051004	2013	8	22	16	V	6.1	1.3	4.07	194
250051004	2013	8	22	17	V	4.4	1.6	4.48	216
250051004	2013	8	22	18	V	3.7	1.5	3.44	204
250051004	2013	8	22	19	V	3.3	-999	3.88	188
250051004	2013	8	22	20	V	3.2	1.3	4	201
250051004	2013	8	22	21	V	3.1	1.4	3.3	208
250051004	2013	8	22	22	V	3.0	1.4	3.71	221
250051004	2013	8	22	23	V	3.1	1.5	3.66	219
250051004	2013	8	22	24	V	6.8	2.9	2.03	223
250051004	2013	8	23	1	V	9.1	2.5	1.93	228
250051004	2013	8	23	2	V	6.4	3.3	1.54	221
250051004	2013	8	23	3	V	9.1	2.1	1.64	273
250051004	2013	8	23	4	V	7.6	1.8	2.45	309
250051004	2013	8	23	5	V	7.4	1.8	3.54	339
250051004	2013	8	23	6	V	8.0	1.7	4.59	337
250051004	2013	8	23	7	V	8.4	1.6	5.04	340
250051004	2013	8	23	8	V	7.5	1.6	6.31	351
250051004	2013	8	23	9	V	7.3	1.6	5.44	351
250051004	2013	8	23	10	V	7.3	1.6	5.04	355
250051004	2013	8	23	11	V	10.5	1	6.72	16
250051004	2013	8	23	12	V	18.4	1.7	5.68	31
250051004	2013	8	23	13	V	16.0	1.7	4.34	49
250051004	2013	8	23	14	V	17.1	1.8	2.76	49
250051004	2013	8	23	15	V	6.5	1.6	3.22	60
250051004	2013	8	23	16	V	6.1	1.7	2.88	85
250051004	2013	8	23	17	V	4.4	1.5	3.13	86
250051004	2013	8	23	18	V	3.6	1.6	3.63	70
250051004	2013	8	23	19	V	3.3	1.5	2.21	85
250051004	2013	8	23	20	V	3.2	1.4	1.54	81
250051004	2013	8	23	21	V	3.1	1.4	0.91	59
250051004	2013	8	23	22	V	3.0	1.4	0.82	335
250051004	2013	8	23	23	V	3.1	1.4	2.89	332
250051004	2013	8	23	24	V	6.8	1.1	3.88	342

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	24	1	V	9.1	1.2	4.54	4
250051004	2013	8	24	2	V	6.4	1.3	4.36	1
250051004	2013	8	24	3	V	9.1	1	3.86	355
250051004	2013	8	24	4	V	7.6	1	3.76	353
250051004	2013	8	24	5	V	7.4	1.1	3.71	353
250051004	2013	8	24	6	V	8.0	1.1	4.03	2
250051004	2013	8	24	7	V	7.8	1	5.07	11
250051004	2013	8	24	8	V	7.5	1	5	20
250051004	2013	8	24	9	V	7.3	1.3	4.36	22
250051004	2013	8	24	10	V	7.3	0.6	5.36	26
250051004	2013	8	24	11	V	10.5	0.7	5.9	37
250051004	2013	8	24	12	V	18.4	1	6.41	27
250051004	2013	8	24	13	V	15.9	1	5.56	38
250051004	2013	8	24	14	V	17.0	1	5.04	41
250051004	2013	8	24	15	V	6.5	1.1	3.73	43
250051004	2013	8	24	16	V	6.1	0.9	4.05	49
250051004	2013	8	24	17	V	4.4	0.8	3.68	77
250051004	2013	8	24	18	V	3.6	0.6	2.54	94
250051004	2013	8	24	19	V	3.3	1	1.38	163
250051004	2013	8	24	20	V	3.2	0.9	0.91	181
250051004	2013	8	24	21	V	3.1	1	1.86	248
250051004	2013	8	24	22	V	3.0	1	2.9	264
250051004	2013	8	24	23	V	3.1	0.9	2.16	261
250051004	2013	8	24	24	V	6.8	1	2.23	220
250051004	2013	8	25	1	V	9.1	0.9	1.94	187
250051004	2013	8	25	2	V	6.4	0.8	1.87	214
250051004	2013	8	25	3	V	9.1	1	1.48	236
250051004	2013	8	25	4	V	7.6	1	1.47	253
250051004	2013	8	25	5	V	7.4	0.5	1.54	275
250051004	2013	8	25	6	V	8.0	0.8	1.18	281
250051004	2013	8	25	7	V	7.8	1.5	0.74	250
250051004	2013	8	25	8	V	8.0	1.5	0.53	111
250051004	2013	8	25	9	V	14.1	0.9	0.87	355
250051004	2013	8	25	10	V	7.9	0.9	1.52	23
250051004	2013	8	25	11	V	10.8	0.9	2.01	273
250051004	2013	8	25	12	V	18.5	2	2.78	155
250051004	2013	8	25	13	V	16.0	1.2	4.46	152
250051004	2013	8	25	14	V	17.0	1.4	5.33	166
250051004	2013	8	25	15	V	6.4	1.1	5.92	148
250051004	2013	8	25	16	V	6.0	0.6	4.9	162
250051004	2013	8	25	17	V	4.4	0.6	5.27	247
250051004	2013	8	25	18	V	3.6	1.3	4.78	215
250051004	2013	8	25	19	V	3.3	-999	3.83	210
250051004	2013	8	25	20	V	3.2	1.2	3.25	213
250051004	2013	8	25	21	V	3.1	1.2	2.73	220
250051004	2013	8	25	22	V	3.0	1.2	2.06	218

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	25	23	V	3.1	1.2	3.05	212
250051004	2013	8	25	24	V	6.8	12	3.46	235
250051004	2013	8	26	1	V	9.1	4.2	4.07	241
250051004	2013	8	26	2	V	6.4	-999	3.39	233
250051004	2013	8	26	3	V	9.1	-999	4.8	236
250051004	2013	8	26	4	V	7.6	3	4.26	233
250051004	2013	8	26	5	V	7.4	3.3	3.42	238
250051004	2013	8	26	6	V	8.0	4.9	4.66	232
250051004	2013	8	26	7	V	7.8	3.3	5.44	239
250051004	2013	8	26	8	V	7.5	2.1	5.31	247
250051004	2013	8	26	9	V	7.3	2	4.7	242
250051004	2013	8	26	10	V	7.3	4.3	4.51	217
250051004	2013	8	26	11	V	10.5	5.7	4.54	220
250051004	2013	8	26	12	V	18.4	3.5	5.75	238
250051004	2013	8	26	13	V	15.9	2.4	5.85	241
250051004	2013	8	26	14	V	17.0	2.2	5.12	233
250051004	2013	8	26	15	V	6.4	2.7	5.6	237
250051004	2013	8	26	16	V	6.0	2.8	5.75	243
250051004	2013	8	26	17	V	4.3	2.6	5.75	250
250051004	2013	8	26	18	V	3.6	2.5	5.36	245
250051004	2013	8	26	19	V	3.3	2.3	4.58	251
250051004	2013	8	26	20	V	3.2	2.3	4.71	249
250051004	2013	8	26	21	V	3.1	2.2	4.9	249
250051004	2013	8	26	22	V	3.0	1.7	2.57	221
250051004	2013	8	26	23	V	3.1	1.7	2.42	227
250051004	2013	8	26	24	V	6.8	6	2.33	209
250051004	2013	8	27	1	V	9.1	4.4	1.89	215
250051004	2013	8	27	2	V	6.4	2.5	2.28	225
250051004	2013	8	27	3	V	9.1	2.9	1.35	197
250051004	2013	8	27	4	V	7.6	2.9	1.13	144
250051004	2013	8	27	5	V	7.4	2.4	1.28	156
250051004	2013	8	27	6	V	8.0	1.9	1.52	115
250051004	2013	8	27	7	V	7.8	2	2.49	78
250051004	2013	8	27	8	V	7.5	1.9	2.49	75
250051004	2013	8	27	9	V	7.5	1.9	1.86	53
250051004	2013	8	27	10	V	7.4	1.8	2.83	38
250051004	2013	8	27	11	V	10.6	1.8	3.27	47
250051004	2013	8	27	12	V	18.4	1.9	3.13	48
250051004	2013	8	27	13	V	16.0	2	3.68	19
250051004	2013	8	27	14	V	17.0	1.9	4.56	16
250051004	2013	8	27	15	V	6.4	1.8	5.14	43
250051004	2013	8	27	16	V	6.1	2	4.41	60
250051004	2013	8	27	17	V	4.4	2	4.19	51
250051004	2013	8	27	18	V	3.6	1.9	3.15	58
250051004	2013	8	27	19	V	3.3	2	1.43	67
250051004	2013	8	27	20	V	3.2	1.9	1.13	62

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	27	21	V	3.1	1.9	1.18	43
250051004	2013	8	27	22	V	3.0	1.7	0.58	12
250051004	2013	8	27	23	V	3.1	1.7	1.23	226
250051004	2013	8	27	24	V	6.8	2	1.4	266
250051004	2013	8	28	1	V	9.1	1.8	1.31	206
250051004	2013	8	28	2	C	-999	1.9	0	0
250051004	2013	8	28	3	V	9.1	1.8	1.54	281
250051004	2013	8	28	4	V	7.6	1.7	0.91	42
250051004	2013	8	28	5	V	7.4	1.9	1.25	358
250051004	2013	8	28	6	V	8.0	1.9	1.35	358
250051004	2013	8	28	7	V	9.6	1.9	0.72	17
250051004	2013	8	28	8	V	8.8	2	1.25	91
250051004	2013	8	28	9	V	8.0	2	1.76	97
250051004	2013	8	28	10	V	8.5	2	1.62	114
250051004	2013	8	28	11	V	11.3	2	1.93	99
250051004	2013	8	28	12	V	18.8	2	2.35	105
250051004	2013	8	28	13	V	16.1	1.9	3.01	95
250051004	2013	8	28	14	V	17.1	1.4	3.2	101
250051004	2013	8	28	15	V	6.5	1.7	4.88	158
250051004	2013	8	28	16	V	6.0	1.9	5.36	173
250051004	2013	8	28	17	V	4.4	1.9	4.03	176
250051004	2013	8	28	18	V	3.6	1.8	2.79	153
250051004	2013	8	28	19	V	3.3	-999	1.94	159
250051004	2013	8	28	20	V	3.2	1.5	1.23	192
250051004	2013	8	28	21	V	3.1	1.8	1.99	119
250051004	2013	8	28	22	V	3.0	1.8	1.08	241
250051004	2013	8	28	23	V	3.1	1.6	1.71	42
250051004	2013	8	28	24	V	6.8	1.6	5.1	45
250051004	2013	8	29	1	V	9.1	1.6	4.94	43
250051004	2013	8	29	2	V	6.4	1.5	4.63	36
250051004	2013	8	29	3	V	9.1	1.7	4.37	51
250051004	2013	8	29	4	V	7.6	1.7	3.75	37
250051004	2013	8	29	5	V	7.4	1.6	3.95	26
250051004	2013	8	29	6	V	8.0	1.6	4.09	22
250051004	2013	8	29	7	V	7.8	1.3	4.9	17
250051004	2013	8	29	8	V	7.5	1.6	4.7	18
250051004	2013	8	29	9	V	7.3	1.3	5.6	29
250051004	2013	8	29	10	V	7.3	1.5	4.73	27
250051004	2013	8	29	11	V	10.5	1.5	5.55	34
250051004	2013	8	29	12	V	18.4	1.6	7.3	30
250051004	2013	8	29	13	V	15.9	1.5	6.38	22
250051004	2013	8	29	14	V	16.9	1.5	5.96	19
250051004	2013	8	29	15	V	6.4	1.5	6.21	16
250051004	2013	8	29	16	V	6.0	1.4	5.89	23
250051004	2013	8	29	17	V	4.3	1.5	5.75	33
250051004	2013	8	29	18	V	3.6	1.5	5.43	37

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	29	19	V	3.3	1.5	4.78	45
250051004	2013	8	29	20	V	3.2	1.5	3.66	34
250051004	2013	8	29	21	V	3.1	1.4	3.49	22
250051004	2013	8	29	22	V	3.0	1.6	3.47	9
250051004	2013	8	29	23	V	3.1	1.5	2.66	357
250051004	2013	8	29	24	V	6.8	1.4	3.4	10
250051004	2013	8	30	1	V	9.1	1.4	2.4	351
250051004	2013	8	30	2	V	6.4	1.5	2.06	318
250051004	2013	8	30	3	V	9.1	1.5	2.3	338
250051004	2013	8	30	4	V	7.6	1.6	2.3	292
250051004	2013	8	30	5	V	7.4	1.5	2.08	285
250051004	2013	8	30	6	V	8.0	1.5	2.47	268
250051004	2013	8	30	7	V	7.8	1.7	2.35	229
250051004	2013	8	30	8	V	7.5	1.7	2.96	229
250051004	2013	8	30	9	V	7.3	1.7	3.69	238
250051004	2013	8	30	10	V	7.3	1.5	3.52	264
250051004	2013	8	30	11	V	10.5	1.7	4.2	253
250051004	2013	8	30	12	V	18.4	2.1	5.09	252
250051004	2013	8	30	13	V	15.9	1.9	4.42	251
250051004	2013	8	30	14	V	17.0	1.8	4.24	247
250051004	2013	8	30	15	V	6.4	1.8	4.41	233
250051004	2013	8	30	16	V	6.0	1.8	3.88	247
250051004	2013	8	30	17	V	4.3	1.8	3.86	237
250051004	2013	8	30	18	V	3.6	1.9	3.27	212
250051004	2013	8	30	19	V	3.3	1.8	3.29	199
250051004	2013	8	30	20	V	3.2	1.9	3.37	197
250051004	2013	8	30	21	V	3.1	1.9	2.74	200
250051004	2013	8	30	22	V	3.0	1.9	2.39	211
250051004	2013	8	30	23	V	3.1	2	2.98	225
250051004	2013	8	30	24	V	6.8	1.9	3.01	224
250051004	2013	8	31	1	V	9.1	2	2.84	218
250051004	2013	8	31	2	V	6.4	2	2.95	209
250051004	2013	8	31	3	V	9.1	2	3.97	224
250051004	2013	8	31	4	V	7.6	1.8	3.75	220
250051004	2013	8	31	5	V	7.4	1.7	3.27	202
250051004	2013	8	31	6	V	8.0	1.8	3.83	207
250051004	2013	8	31	7	V	7.8	1.9	3.03	216
250051004	2013	8	31	8	V	7.5	2	2.91	224
250051004	2013	8	31	9	V	7.3	2	4	236
250051004	2013	8	31	10	V	7.3	2	4.05	245
250051004	2013	8	31	11	V	10.5	2	4.07	231
250051004	2013	8	31	12	V	18.4	2	4.68	218
250051004	2013	8	31	13	V	15.9	2	4.8	210
250051004	2013	8	31	14	V	16.9	2.1	5.63	204
250051004	2013	8	31	15	V	6.4	1.9	5.02	210
250051004	2013	8	31	16	V	6.0	1.9	4.66	197

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	8	31	17	V	4.3	2.1	4.8	196
250051004	2013	8	31	18	V	3.6	2	4	196
250051004	2013	8	31	19	V	3.3	-999	3.39	200
250051004	2013	8	31	20	V	3.2	1.7	3.73	200
250051004	2013	8	31	21	V	3.1	1.8	4.31	206
250051004	2013	8	31	22	V	3.0	1.9	4.39	207
250051004	2013	8	31	23	V	3.1	2	3.41	212
250051004	2013	8	31	24	V	6.8	2.1	2.59	206
250051004	2013	9	1	1	V	9.4	2.1	1.74	212
250051004	2013	9	1	2	V	7.1	1.9	2.74	227
250051004	2013	9	1	3	V	9.1	1.9	3.03	229
250051004	2013	9	1	4	V	12.2	1.8	3.22	241
250051004	2013	9	1	5	V	10.4	1.9	3.56	188
250051004	2013	9	1	6	V	11.0	1.7	2.25	232
250051004	2013	9	1	7	V	11.3	1.7	3.4	172
250051004	2013	9	1	8	V	8.3	1.6	4.12	205
250051004	2013	9	1	9	V	8.2	1.8	3.81	200
250051004	2013	9	1	10	V	9.4	1.7	2.22	178
250051004	2013	9	1	11	V	7.5	1.9	2.86	171
250051004	2013	9	1	12	V	8.9	2	3.76	200
250051004	2013	9	1	13	V	7.5	1.9	4.9	197
250051004	2013	9	1	14	V	7.0	1.7	4.9	217
250051004	2013	9	1	15	V	4.0	1.8	5.5	207
250051004	2013	9	1	16	V	3.7	2	4.97	193
250051004	2013	9	1	17	V	3.0	1.9	4.48	189
250051004	2013	9	1	18	V	2.7	1.9	4.17	192
250051004	2013	9	1	19	V	2.9	1.8	3.12	168
250051004	2013	9	1	20	V	2.7	1.8	2.66	139
250051004	2013	9	1	21	V	2.7	1.7	3.42	161
250051004	2013	9	1	22	V	2.6	1.5	3.17	165
250051004	2013	9	1	23	V	2.6	1.9	3.52	168
250051004	2013	9	1	24	V	7.9	1.9	3.03	169
250051004	2013	9	2	1	V	9.4	1.9	2.96	175
250051004	2013	9	2	2	V	7.1	1.8	2.59	169
250051004	2013	9	2	3	V	9.1	1.6	2.64	162
250051004	2013	9	2	4	V	12.2	1.8	2.4	151
250051004	2013	9	2	5	V	10.4	1.8	4.03	150
250051004	2013	9	2	6	V	11.0	1.8	1.96	189
250051004	2013	9	2	7	V	11.3	1.9	1.47	139
250051004	2013	9	2	8	V	8.3	2	2.25	149
250051004	2013	9	2	9	V	8.2	2.1	3.64	154
250051004	2013	9	2	10	V	9.4	1.9	4.24	164
250051004	2013	9	2	11	V	7.5	2.1	4.34	168
250051004	2013	9	2	12	V	8.9	2	3.57	162
250051004	2013	9	2	13	V	7.5	2.1	3.52	243
250051004	2013	9	2	14	V	7.0	2	3.37	180

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	2	15	V	4.0	2.2	2.95	200
250051004	2013	9	2	16	V	3.7	2.1	3.47	168
250051004	2013	9	2	17	V	3.0	2.1	3.88	148
250051004	2013	9	2	18	V	2.7	2.1	4.03	166
250051004	2013	9	2	19	V	2.9	1.8	3.17	166
250051004	2013	9	2	20	V	2.7	2	3.37	155
250051004	2013	9	2	21	V	2.7	2.1	3.08	167
250051004	2013	9	2	22	V	2.6	2	1.65	176
250051004	2013	9	2	23	V	2.6	2.1	2.74	191
250051004	2013	9	2	24	V	7.9	12.3	2.2	216
250051004	2013	9	3	1	V	9.4	7.7	2.23	188
250051004	2013	9	3	2	V	7.1	5.9	2.33	188
250051004	2013	9	3	3	V	9.1	4.7	2.49	199
250051004	2013	9	3	4	V	12.2	3.3	2.37	224
250051004	2013	9	3	5	V	10.4	2.5	2.2	245
250051004	2013	9	3	6	V	11.0	2.2	1.45	276
250051004	2013	9	3	7	V	11.3	2.3	1.94	246
250051004	2013	9	3	8	V	8.4	2.4	2.79	227
250051004	2013	9	3	9	V	8.4	2.3	2.18	175
250051004	2013	9	3	10	V	9.4	2.5	2.74	156
250051004	2013	9	3	11	V	7.5	4	3.95	154
250051004	2013	9	3	12	V	8.9	7.7	3.41	161
250051004	2013	9	3	13	V	7.5	4.4	3.3	174
250051004	2013	9	3	14	V	7.0	2.8	4.03	215
250051004	2013	9	3	15	V	4.0	2.2	5.31	213
250051004	2013	9	3	16	V	3.7	2.1	4.53	191
250051004	2013	9	3	17	V	3.0	2.2	3.44	194
250051004	2013	9	3	18	V	2.7	2.1	2.15	224
250051004	2013	9	3	19	V	2.9	-999	2.56	254
250051004	2013	9	3	20	V	2.7	2	2.62	255
250051004	2013	9	3	21	V	2.7	2.1	2.61	262
250051004	2013	9	3	22	V	2.6	2	2.33	249
250051004	2013	9	3	23	V	2.6	2.4	3.18	269
250051004	2013	9	3	24	V	7.9	2.9	2.78	275
250051004	2013	9	4	1	V	9.4	2.9	2.06	269
250051004	2013	9	4	2	V	7.1	2.9	2.16	269
250051004	2013	9	4	3	V	9.1	2.7	1.3	249
250051004	2013	9	4	4	V	12.2	2.7	2.06	260
250051004	2013	9	4	5	V	10.4	2.6	1.91	265
250051004	2013	9	4	6	V	11.0	2.3	2.23	266
250051004	2013	9	4	7	V	11.3	2.7	2.2	274
250051004	2013	9	4	8	V	8.3	2.7	3.59	299
250051004	2013	9	4	9	V	8.2	2.1	4.44	297
250051004	2013	9	4	10	V	9.4	2	4.49	289
250051004	2013	9	4	11	V	7.5	2.1	5.14	273
250051004	2013	9	4	12	V	8.9	2.3	4.58	280

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	4	13	V	7.5	2.1	4.76	262
250051004	2013	9	4	14	V	7.0	2.2	5.5	254
250051004	2013	9	4	15	V	4.0	2.1	5.72	254
250051004	2013	9	4	16	V	3.7	2.2	5.77	270
250051004	2013	9	4	17	V	3.0	2.1	5.36	278
250051004	2013	9	4	18	V	2.7	2.3	3.32	267
250051004	2013	9	4	19	V	2.9	2.1	2.66	241
250051004	2013	9	4	20	V	2.7	2	2.93	244
250051004	2013	9	4	21	V	2.7	2.1	2.39	235
250051004	2013	9	4	22	V	2.6	2.2	2.88	261
250051004	2013	9	4	23	V	2.6	1.8	2.5	225
250051004	2013	9	4	24	V	7.9	15.4	1.77	216
250051004	2013	9	5	1	V	9.4	8.3	1.47	209
250051004	2013	9	5	2	V	7.1	7.1	1.59	240
250051004	2013	9	5	3	V	9.1	3.3	2.11	257
250051004	2013	9	5	4	V	12.2	2.8	1.79	238
250051004	2013	9	5	5	V	10.4	3.7	3.34	259
250051004	2013	9	5	6	V	11.0	2.7	2.95	255
250051004	2013	9	5	7	V	11.3	2.7	3.12	275
250051004	2013	9	5	8	V	8.3	2.8	2.81	290
250051004	2013	9	5	9	V	8.2	2.7	4.53	322
250051004	2013	9	5	10	V	9.4	2.4	2.71	325
250051004	2013	9	5	11	V	7.5	2.3	5.92	336
250051004	2013	9	5	12	V	8.9	2.1	7.54	17
250051004	2013	9	5	13	V	7.5	1.9	6.31	27
250051004	2013	9	5	14	V	7.0	2	5.58	20
250051004	2013	9	5	15	V	4.0	1.9	3.9	24
250051004	2013	9	5	16	V	3.7	1.9	4.77	1
250051004	2013	9	5	17	V	3.0	2	4.17	14
250051004	2013	9	5	18	V	2.7	1.9	2.66	66
250051004	2013	9	5	19	V	2.9	2	2.27	78
250051004	2013	9	5	20	V	2.7	1.8	1.99	58
250051004	2013	9	5	21	V	2.7	1.7	1.86	43
250051004	2013	9	5	22	V	2.6	1.7	1.43	22
250051004	2013	9	5	23	V	2.6	1.5	1.65	328
250051004	2013	9	5	24	V	7.9	1.4	2.91	327
250051004	2013	9	6	1	V	9.4	1.6	4.92	352
250051004	2013	9	6	2	V	7.1	1.6	2.84	343
250051004	2013	9	6	3	V	9.1	1.6	2.32	327
250051004	2013	9	6	4	V	12.2	1.6	2.64	334
250051004	2013	9	6	5	V	10.4	1.4	3.27	332
250051004	2013	9	6	6	V	11.0	1.8	3.2	331
250051004	2013	9	6	7	V	11.3	1.9	3.75	352
250051004	2013	9	6	8	V	8.3	1.7	3.86	354
250051004	2013	9	6	9	V	8.2	1.6	3.25	6
250051004	2013	9	6	10	V	9.4	1.6	2.59	14

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	6	11	V	7.5	1.5	2.66	344
250051004	2013	9	6	12	V	8.9	1.5	2.76	307
250051004	2013	9	6	13	V	7.5	1.6	3.32	302
250051004	2013	9	6	14	V	7.0	1.7	3.3	297
250051004	2013	9	6	15	V	4.0	1.8	3.92	333
250051004	2013	9	6	16	V	3.7	1.7	4.31	324
250051004	2013	9	6	17	V	3.0	1.8	3.35	296
250051004	2013	9	6	18	V	2.7	2.1	3.3	291
250051004	2013	9	6	19	V	2.9	2	2.01	280
250051004	2013	9	6	20	V	2.7	1.8	2.1	247
250051004	2013	9	6	21	V	2.7	1.9	2.66	248
250051004	2013	9	6	22	V	2.6	1.8	2.44	246
250051004	2013	9	6	23	V	2.6	1.5	2.03	248
250051004	2013	9	6	24	V	7.9	1.8	2.13	253
250051004	2013	9	7	1	V	9.4	1.8	2.55	261
250051004	2013	9	7	2	V	7.1	1.7	2.23	250
250051004	2013	9	7	3	V	9.1	1.6	2.18	240
250051004	2013	9	7	4	V	12.2	1.7	2.66	251
250051004	2013	9	7	5	V	10.4	1.8	3.27	246
250051004	2013	9	7	6	V	11.0	1.4	2.16	247
250051004	2013	9	7	7	V	11.3	1.6	3.01	243
250051004	2013	9	7	8	V	8.3	2.1	3.51	243
250051004	2013	9	7	9	V	8.2	2.1	4.36	250
250051004	2013	9	7	10	V	9.4	1.9	5.77	255
250051004	2013	9	7	11	V	7.5	1.9	5.68	262
250051004	2013	9	7	12	V	8.9	2	5.26	248
250051004	2013	9	7	13	V	7.5	2	4.97	235
250051004	2013	9	7	14	V	7.0	2.2	5	238
250051004	2013	9	7	15	V	4.0	2.1	4.75	231
250051004	2013	9	7	16	V	3.7	2.1	5.14	215
250051004	2013	9	7	17	V	3.0	2.2	4.8	223
250051004	2013	9	7	18	V	2.7	2.4	3.69	205
250051004	2013	9	7	19	V	2.9	-999	2.98	203
250051004	2013	9	7	20	V	2.7	2.1	2.73	203
250051004	2013	9	7	21	V	2.7	2.1	2.93	220
250051004	2013	9	7	22	V	2.6	2.4	3.4	230
250051004	2013	9	7	23	V	2.6	2.3	3.34	237
250051004	2013	9	7	24	V	7.9	2.4	3.41	236
250051004	2013	9	8	1	V	9.4	2.2	2.69	231
250051004	2013	9	8	2	V	7.1	2.3	2.95	241
250051004	2013	9	8	3	V	9.1	2.4	2.33	224
250051004	2013	9	8	4	V	12.2	2.4	2.81	223
250051004	2013	9	8	5	V	10.4	2.3	2.72	249
250051004	2013	9	8	6	V	11.0	2.4	1.81	237
250051004	2013	9	8	7	V	11.3	2.3	2.44	255
250051004	2013	9	8	8	V	8.3	3	3.46	257

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	8	9	V	8.2	3	4.29	267
250051004	2013	9	8	10	V	9.4	2.9	4.46	277
250051004	2013	9	8	11	V	7.5	2.7	5.96	296
250051004	2013	9	8	12	V	8.9	2.4	5.9	311
250051004	2013	9	8	13	V	7.5	2.2	6.14	321
250051004	2013	9	8	14	V	7.0	2.1	6.75	316
250051004	2013	9	8	15	V	4.0	2.2	8.37	324
250051004	2013	9	8	16	V	3.7	2.4	7.62	329
250051004	2013	9	8	17	V	3.0	2.1	6.97	320
250051004	2013	9	8	18	V	2.7	2	4.97	315
250051004	2013	9	8	19	V	2.9	2.2	4.65	331
250051004	2013	9	8	20	V	2.7	2	7.28	356
250051004	2013	9	8	21	V	2.7	1.6	4.87	8
250051004	2013	9	8	22	V	2.6	1.9	4.68	360
250051004	2013	9	8	23	V	2.6	1.7	3.12	360
250051004	2013	9	8	24	V	7.9	1.7	3	348
250051004	2013	9	9	1	V	9.4	1.8	3.18	346
250051004	2013	9	9	2	V	7.1	-999	1.74	284
250051004	2013	9	9	3	V	9.1	-999	2.3	339
250051004	2013	9	9	4	V	12.2	0.9	1.67	311
250051004	2013	9	9	5	V	10.4	1.2	1.88	322
250051004	2013	9	9	6	V	11.0	1.8	2.13	333
250051004	2013	9	9	7	V	11.3	1.7	1.54	316
250051004	2013	9	9	8	V	8.3	2	1.71	350
250051004	2013	9	9	9	V	8.2	1.7	0.97	17
250051004	2013	9	9	10	V	9.4	1.7	2.44	159
250051004	2013	9	9	11	V	7.5	1.6	3.22	157
250051004	2013	9	9	12	V	8.9	1.7	4.12	145
250051004	2013	9	9	13	V	7.5	3.6	5.63	156
250051004	2013	9	9	14	V	7.0	4.3	5.77	157
250051004	2013	9	9	15	V	4.0	1.6	6.3	189
250051004	2013	9	9	16	V	3.7	1.7	5.67	195
250051004	2013	9	9	17	V	3.0	1.8	5.55	194
250051004	2013	9	9	18	V	2.7	1.7	3.73	203
250051004	2013	9	9	19	V	2.9	1.7	2.73	190
250051004	2013	9	9	20	V	2.7	1.8	2.32	201
250051004	2013	9	9	21	V	2.7	1.7	2.89	211
250051004	2013	9	9	22	V	2.6	1.7	3.08	202
250051004	2013	9	9	23	V	2.6	1.7	2.32	201
250051004	2013	9	9	24	V	7.9	13.2	1.82	186
250051004	2013	9	10	1	V	9.4	22.7	2.04	180
250051004	2013	9	10	2	V	7.1	9.8	1.94	196
250051004	2013	9	10	3	V	9.1	10.1	2.78	197
250051004	2013	9	10	4	V	12.2	11.4	2.89	190
250051004	2013	9	10	5	V	10.4	14.5	3.35	180
250051004	2013	9	10	6	V	11.0	11.3	4.14	188

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	10	7	V	11.3	11	3.97	195
250051004	2013	9	10	8	V	8.3	7	3.06	175
250051004	2013	9	10	9	V	8.2	9.2	4.9	205
250051004	2013	9	10	10	V	9.4	7.5	6.67	214
250051004	2013	9	10	11	V	7.5	6.5	7.08	218
250051004	2013	9	10	12	V	8.9	7	6.43	213
250051004	2013	9	10	13	V	7.5	6.5	6.65	203
250051004	2013	9	10	14	V	7.0	4.2	5.75	214
250051004	2013	9	10	15	V	4.0	2.3	6.24	228
250051004	2013	9	10	16	V	3.7	2.1	4.97	213
250051004	2013	9	10	17	V	3.0	2	4.51	203
250051004	2013	9	10	18	V	2.7	1.9	5.16	197
250051004	2013	9	10	19	V	2.9	-999	3.98	183
250051004	2013	9	10	20	V	2.7	1.7	3.66	197
250051004	2013	9	10	21	V	2.7	1.8	3.42	203
250051004	2013	9	10	22	V	2.6	1.8	2.08	209
250051004	2013	9	10	23	V	2.6	2	1.84	188
250051004	2013	9	10	24	V	7.9	7.7	2.25	181
250051004	2013	9	11	1	V	9.4	16	1.99	180
250051004	2013	9	11	2	V	7.1	5.2	2.64	177
250051004	2013	9	11	3	V	9.1	6.6	2.4	177
250051004	2013	9	11	4	V	12.2	5.9	1.62	142
250051004	2013	9	11	5	V	10.4	6	1.74	155
250051004	2013	9	11	6	V	11.0	10.3	2.35	168
250051004	2013	9	11	7	V	11.3	4.2	2.59	170
250051004	2013	9	11	8	V	8.8	-999	2.06	188
250051004	2013	9	11	9	V	8.3	-999	3.25	220
250051004	2013	9	11	10	V	9.5	-999	3.63	221
250051004	2013	9	11	11	V	7.6	2.6	3.58	242
250051004	2013	9	11	12	V	9.1	2.8	3.51	214
250051004	2013	9	11	13	V	7.7	3.6	3.76	196
250051004	2013	9	11	14	V	7.1	3.7	4.1	159
250051004	2013	9	11	15	V	4.1	3.3	3.88	155
250051004	2013	9	11	16	V	3.7	3.5	6.47	208
250051004	2013	9	11	17	V	3.1	3	6.11	213
250051004	2013	9	11	18	V	2.7	2.6	5.17	210
250051004	2013	9	11	19	V	2.9	2.5	5.39	219
250051004	2013	9	11	20	V	2.7	2.2	4.53	211
250051004	2013	9	11	21	V	2.7	2	4.2	221
250051004	2013	9	11	22	V	2.6	2	3.98	214
250051004	2013	9	11	23	V	2.6	1.9	2.4	222
250051004	2013	9	11	24	V	7.9	9.7	3	184
250051004	2013	9	12	1	V	9.4	4	3.22	181
250051004	2013	9	12	2	V	7.1	2.8	2.69	171
250051004	2013	9	12	3	V	9.1	2.9	2.52	177
250051004	2013	9	12	4	V	12.2	6.2	2.35	188

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	12	5	V	10.4	7.6	3.42	186
250051004	2013	9	12	6	V	11.0	7.8	2.93	192
250051004	2013	9	12	7	V	11.3	12.3	3.13	183
250051004	2013	9	12	8	V	8.3	7.6	4.26	187
250051004	2013	9	12	9	V	8.3	7.1	4.44	202
250051004	2013	9	12	10	V	9.4	8.6	5.34	187
250051004	2013	9	12	11	V	7.5	7.5	6.07	189
250051004	2013	9	12	12	V	8.9	5.7	6.26	194
250051004	2013	9	12	13	V	7.5	7	6.36	182
250051004	2013	9	12	14	V	7.0	4.7	7.96	190
250051004	2013	9	12	15	V	4.0	2.5	7.84	193
250051004	2013	9	12	16	V	3.7	2.5	7.2	188
250051004	2013	9	12	17	V	3.0	2.5	6.16	198
250051004	2013	9	12	18	V	2.7	2.5	5.38	198
250051004	2013	9	12	19	V	2.9	2.5	5.51	200
250051004	2013	9	12	20	V	2.7	2.3	5.46	199
250051004	2013	9	12	21	V	2.7	2.4	6.06	195
250051004	2013	9	12	22	V	2.6	2.4	5.46	215
250051004	2013	9	12	23	V	2.6	2.5	2.59	195
250051004	2013	9	12	24	V	7.9	18.6	3.2	192
250051004	2013	9	13	1	V	9.4	11	2.33	206
250051004	2013	9	13	2	V	7.1	9.5	1.23	202
250051004	2013	9	13	3	V	9.1	5.5	1.76	196
250051004	2013	9	13	4	V	12.2	10.7	1.43	183
250051004	2013	9	13	5	V	10.4	8	1.55	185
250051004	2013	9	13	6	V	11.0	3.5	1.18	251
250051004	2013	9	13	7	V	11.3	3.1	1.03	272
250051004	2013	9	13	8	V	8.3	2.8	1.18	301
250051004	2013	9	13	9	V	18.3	2.9	1.94	319
250051004	2013	9	13	10	V	10.0	3.1	1.64	291
250051004	2013	9	13	11	V	7.7	3	1.74	267
250051004	2013	9	13	12	V	9.0	3.8	2.16	282
250051004	2013	9	13	13	V	7.6	3.1	2.74	292
250051004	2013	9	13	14	V	7.0	3.1	3.93	182
250051004	2013	9	13	15	V	4.0	2.6	3.57	235
250051004	2013	9	13	16	V	3.7	2.8	3.98	282
250051004	2013	9	13	17	V	3.0	2.8	4.8	290
250051004	2013	9	13	18	V	2.7	2.8	4.9	309
250051004	2013	9	13	19	V	3.0	-999	4.8	327
250051004	2013	9	13	20	V	2.7	2.5	3.97	325
250051004	2013	9	13	21	V	2.7	2.6	3.73	328
250051004	2013	9	13	22	V	2.6	2.4	3.75	335
250051004	2013	9	13	23	V	2.6	2.5	4.19	325
250051004	2013	9	13	24	V	7.9	3	4.19	318
250051004	2013	9	14	1	V	9.4	2.3	3.9	322
250051004	2013	9	14	2	V	7.1	2.4	3.81	328

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	14	3	V	9.1	2.7	2.57	308
250051004	2013	9	14	4	V	12.2	2.6	2.74	301
250051004	2013	9	14	5	V	10.4	2.9	3.3	300
250051004	2013	9	14	6	V	11.0	2.3	3.17	304
250051004	2013	9	14	7	V	11.3	2.4	3.47	298
250051004	2013	9	14	8	V	9.0	4.7	4.19	312
250051004	2013	9	14	9	V	15.1	24	4.17	326
250051004	2013	9	14	10	V	16.2	20.3	4.08	329
250051004	2013	9	14	11	V	12.1	3.1	3.37	319
250051004	2013	9	14	12	V	10.4	2.6	4.14	312
250051004	2013	9	14	13	V	10.6	2.4	4.17	317
250051004	2013	9	14	14	V	7.2	2.3	4.03	302
250051004	2013	9	14	15	V	4.3	2.4	3.85	304
250051004	2013	9	14	16	V	3.7	7.2	4.83	291
250051004	2013	9	14	17	V	3.0	2.6	5.14	295
250051004	2013	9	14	18	V	2.7	2.1	3.39	292
250051004	2013	9	14	19	V	2.9	2.3	3.15	289
250051004	2013	9	14	20	V	2.7	2.2	3.57	297
250051004	2013	9	14	21	V	2.7	2	2.47	287
250051004	2013	9	14	22	V	2.6	2.5	2.2	279
250051004	2013	9	14	23	V	2.6	2	1.94	264
250051004	2013	9	14	24	V	7.9	1.9	1.62	266
250051004	2013	9	15	1	V	9.4	1.7	1.23	239
250051004	2013	9	15	2	V	7.1	1.8	2.23	250
250051004	2013	9	15	3	V	9.1	1.7	2.05	263
250051004	2013	9	15	4	V	12.2	1.7	2.25	265
250051004	2013	9	15	5	V	10.4	1.7	1.74	269
250051004	2013	9	15	6	V	11.0	1.9	1.5	263
250051004	2013	9	15	7	V	11.3	9.4	1.47	272
250051004	2013	9	15	8	V	20.9	5.4	1.35	317
250051004	2013	9	15	9	V	9.6	2.1	1.03	47
250051004	2013	9	15	10	V	10.6	2.3	1.14	171
250051004	2013	9	15	11	V	7.8	1.8	1.87	269
250051004	2013	9	15	12	V	9.0	1.8	2.78	236
250051004	2013	9	15	13	V	7.6	1.8	3.56	230
250051004	2013	9	15	14	V	7.0	1.8	4.26	154
250051004	2013	9	15	15	V	4.1	1.9	3.2	248
250051004	2013	9	15	16	V	3.7	2.3	4.17	258
250051004	2013	9	15	17	V	3.0	2	4.63	244
250051004	2013	9	15	18	V	2.7	2.1	2.81	219
250051004	2013	9	15	19	V	2.9	2	3.25	211
250051004	2013	9	15	20	V	2.7	2	2.74	226
250051004	2013	9	15	21	V	2.7	1.9	2.79	235
250051004	2013	9	15	22	V	2.6	1.9	1.94	202
250051004	2013	9	15	23	V	2.6	1.9	1.86	249
250051004	2013	9	15	24	V	7.9	2.4	0.87	205

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	16	1	V	9.4	2.3	0.97	147
250051004	2013	9	16	2	V	7.1	7.8	2.18	229
250051004	2013	9	16	3	V	9.1	8.2	2.84	247
250051004	2013	9	16	4	V	12.2	4.3	2.23	254
250051004	2013	9	16	5	V	10.4	3.1	2.35	263
250051004	2013	9	16	6	V	11.0	2.8	3.23	266
250051004	2013	9	16	7	V	11.3	2.6	2.47	265
250051004	2013	9	16	8	V	8.6	2.5	1.81	304
250051004	2013	9	16	9	V	8.3	2.9	2.15	269
250051004	2013	9	16	10	V	18.0	2.8	3.01	331
250051004	2013	9	16	11	V	14.2	2.3	2.16	327
250051004	2013	9	16	12	V	15.2	2.3	1.14	331
250051004	2013	9	16	13	V	8.0	2.6	1.69	281
250051004	2013	9	16	14	V	11.3	3.7	2.66	342
250051004	2013	9	16	15	V	7.0	4	2.59	342
250051004	2013	9	16	16	V	9.0	3.7	3.4	332
250051004	2013	9	16	17	V	7.5	2.3	3.4	335
250051004	2013	9	16	18	V	2.7	2	3.37	333
250051004	2013	9	16	19	V	2.9	-999	3.23	335
250051004	2013	9	16	20	V	2.7	1.7	6.57	4
250051004	2013	9	16	21	V	2.7	1.6	7.47	1
250051004	2013	9	16	22	V	2.6	1.6	8.22	354
250051004	2013	9	16	23	V	2.6	1.4	7.01	355
250051004	2013	9	16	24	V	7.9	1.6	6.43	354
250051004	2013	9	17	1	V	9.4	1.4	6.36	359
250051004	2013	9	17	2	V	7.1	1.4	6.48	360
250051004	2013	9	17	3	V	9.1	1.3	5.94	4
250051004	2013	9	17	4	V	12.2	1.2	4.83	356
250051004	2013	9	17	5	V	10.4	1.5	4.6	350
250051004	2013	9	17	6	V	11.0	1.5	5.04	351
250051004	2013	9	17	7	V	11.3	1.6	5.7	357
250051004	2013	9	17	8	V	8.3	1.5	6.48	10
250051004	2013	9	17	9	V	8.2	1.9	6.91	17
250051004	2013	9	17	10	V	9.4	1.4	7.11	14
250051004	2013	9	17	11	V	7.5	1.2	6.45	18
250051004	2013	9	17	12	V	8.9	1.3	5.29	19
250051004	2013	9	17	13	V	7.5	1.3	4.68	22
250051004	2013	9	17	14	V	7.0	1.3	5.19	25
250051004	2013	9	17	15	V	4.0	1.3	6.01	43
250051004	2013	9	17	16	V	3.7	1.3	5.41	43
250051004	2013	9	17	17	V	3.0	1.5	4.26	46
250051004	2013	9	17	18	V	2.7	1.5	1.69	107
250051004	2013	9	17	19	V	2.9	1.5	1.23	230
250051004	2013	9	17	20	V	2.7	1.6	1.79	251
250051004	2013	9	17	21	V	2.7	1.1	1.53	243
250051004	2013	9	17	22	V	2.6	1.4	1.71	263

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	17	23	V	2.6	1.6	1.87	257
250051004	2013	9	17	24	V	7.9	1.4	2.08	265
250051004	2013	9	18	1	V	9.4	1.6	1.99	261
250051004	2013	9	18	2	V	7.1	1.3	1.91	269
250051004	2013	9	18	3	V	9.1	1.4	1.98	268
250051004	2013	9	18	4	V	12.2	1.9	1.69	268
250051004	2013	9	18	5	V	10.4	2.3	1.91	261
250051004	2013	9	18	6	V	11.0	2.4	1.43	271
250051004	2013	9	18	7	V	11.3	3.2	1.21	263
250051004	2013	9	18	8	V	8.3	3	1.6	271
250051004	2013	9	18	9	V	8.2	5.2	2.27	271
250051004	2013	9	18	10	V	9.4	2.2	3.34	265
250051004	2013	9	18	11	V	7.5	1.7	2.45	270
250051004	2013	9	18	12	V	8.9	1.9	2.38	263
250051004	2013	9	18	13	V	7.5	2.2	2.69	244
250051004	2013	9	18	14	V	7.0	1.9	2.71	223
250051004	2013	9	18	15	V	4.0	1.7	4.27	158
250051004	2013	9	18	16	V	3.7	1.6	4.07	150
250051004	2013	9	18	17	V	3.0	1.6	3.81	244
250051004	2013	9	18	18	V	2.7	2	4.31	220
250051004	2013	9	18	19	V	2.9	1.9	3.44	234
250051004	2013	9	18	20	V	2.7	1.9	2.38	227
250051004	2013	9	18	21	V	2.7	1.7	1.88	233
250051004	2013	9	18	22	V	2.6	1.8	2.64	257
250051004	2013	9	18	23	V	2.6	1.7	3.18	258
250051004	2013	9	18	24	V	7.9	1.7	2.83	261
250051004	2013	9	19	1	V	9.4	1.8	1.38	234
250051004	2013	9	19	2	V	7.1	1.2	1.91	234
250051004	2013	9	19	3	V	9.1	1.8	1.98	226
250051004	2013	9	19	4	V	12.2	1.9	1.37	223
250051004	2013	9	19	5	V	10.4	1.9	1.65	216
250051004	2013	9	19	6	V	11.0	1.8	1.55	246
250051004	2013	9	19	7	V	11.3	2.1	2.35	247
250051004	2013	9	19	8	V	8.3	2	2.71	255
250051004	2013	9	19	9	V	8.3	3.7	1.74	269
250051004	2013	9	19	10	V	10.8	18.3	0.99	247
250051004	2013	9	19	11	V	8.4	20.3	1.33	217
250051004	2013	9	19	12	V	9.2	20.2	2.13	235
250051004	2013	9	19	13	V	7.6	2.4	3.75	178
250051004	2013	9	19	14	V	7.0	2.1	4.51	165
250051004	2013	9	19	15	V	4.0	2.2	4.59	156
250051004	2013	9	19	16	V	3.7	2.2	3.39	160
250051004	2013	9	19	17	V	3.1	2.3	3.95	244
250051004	2013	9	19	18	V	2.7	2.3	4.09	226
250051004	2013	9	19	19	V	2.9	-999	3.63	236
250051004	2013	9	19	20	V	2.7	2	2.83	240

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	19	21	V	2.7	2.1	3.17	242
250051004	2013	9	19	22	V	2.6	1.9	1.98	232
250051004	2013	9	19	23	V	2.6	2.1	1.57	260
250051004	2013	9	19	24	V	7.9	2	2.25	256
250051004	2013	9	20	1	V	9.4	3.4	1.81	221
250051004	2013	9	20	2	V	7.1	4.2	1.38	187
250051004	2013	9	20	3	V	9.1	2.9	1.01	205
250051004	2013	9	20	4	V	12.2	2.1	1.48	252
250051004	2013	9	20	5	V	10.4	2.2	1.4	228
250051004	2013	9	20	6	V	11.0	2.1	1.89	221
250051004	2013	9	20	7	V	11.3	2.8	1.67	303
250051004	2013	9	20	8	V	8.4	2.7	0.99	183
250051004	2013	9	20	9	V	8.5	2.7	1.76	235
250051004	2013	9	20	10	V	9.5	2.4	2.86	269
250051004	2013	9	20	11	V	7.5	2.3	4.36	206
250051004	2013	9	20	12	V	9.1	3	2.19	241
250051004	2013	9	20	13	V	7.5	2.7	4.32	156
250051004	2013	9	20	14	V	7.0	2.3	5.56	149
250051004	2013	9	20	15	V	4.0	2.5	5.97	154
250051004	2013	9	20	16	V	3.7	2.3	4.82	153
250051004	2013	9	20	17	V	3.0	2.4	4.8	180
250051004	2013	9	20	18	V	2.7	2.3	4.15	202
250051004	2013	9	20	19	V	2.9	2.3	2.79	194
250051004	2013	9	20	20	V	2.7	1.8	1.21	168
250051004	2013	9	20	21	V	2.7	2	1.14	164
250051004	2013	9	20	22	V	2.6	2	1.11	195
250051004	2013	9	20	23	V	2.6	1.9	2.03	199
250051004	2013	9	20	24	V	7.9	1.8	2.47	192
250051004	2013	9	21	1	V	9.4	1.8	1.65	196
250051004	2013	9	21	2	V	7.1	2	0.8	223
250051004	2013	9	21	3	V	9.1	2	1.37	260
250051004	2013	9	21	4	V	12.2	1.9	0.63	219
250051004	2013	9	21	5	V	10.4	2.1	0.7	105
250051004	2013	9	21	6	V	11.0	2	0.82	235
250051004	2013	9	21	7	V	11.3	1.9	0.92	200
250051004	2013	9	21	8	V	8.3	2	2.27	186
250051004	2013	9	21	9	V	8.2	2	3.98	176
250051004	2013	9	21	10	V	9.4	2	4.83	166
250051004	2013	9	21	11	V	7.5	2	6.29	163
250051004	2013	9	21	12	V	8.9	2.1	6.6	170
250051004	2013	9	21	13	V	7.5	2.2	6.12	170
250051004	2013	9	21	14	V	7.0	2	6.41	173
250051004	2013	9	21	15	V	4.0	2.3	7.09	171
250051004	2013	9	21	16	V	3.7	2.3	6.57	167
250051004	2013	9	21	17	V	3.0	2.1	5.75	168
250051004	2013	9	21	18	V	2.7	2.2	4.71	170

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	21	19	V	2.9	2.2	5.31	174
250051004	2013	9	21	20	V	2.7	2.3	4.51	173
250051004	2013	9	21	21	V	2.7	2.3	4.94	171
250051004	2013	9	21	22	V	2.6	2.3	5.72	174
250051004	2013	9	21	23	V	2.6	2.4	6.09	175
250051004	2013	9	21	24	V	7.9	2.5	6.74	181
250051004	2013	9	22	1	V	9.4	2.6	5.72	178
250051004	2013	9	22	2	V	7.1	2.4	6.79	172
250051004	2013	9	22	3	V	9.1	2.3	7.81	181
250051004	2013	9	22	4	V	12.2	2.3	6.8	180
250051004	2013	9	22	5	V	10.4	2.6	6.6	212
250051004	2013	9	22	6	V	11.0	2.5	4.54	220
250051004	2013	9	22	7	V	11.3	2.7	2.71	258
250051004	2013	9	22	8	V	8.3	2.6	2.69	307
250051004	2013	9	22	9	V	8.2	2.6	1.99	280
250051004	2013	9	22	10	V	9.4	2.7	3.66	305
250051004	2013	9	22	11	V	7.5	2.7	3.44	299
250051004	2013	9	22	12	V	8.9	2.8	3.68	290
250051004	2013	9	22	13	V	7.5	2.7	4.97	288
250051004	2013	9	22	14	V	7.0	2.7	6.06	288
250051004	2013	9	22	15	V	4.0	2.5	6.01	293
250051004	2013	9	22	16	V	3.7	2.6	5.92	298
250051004	2013	9	22	17	V	3.0	2.7	4.94	301
250051004	2013	9	22	18	V	2.7	2.7	4.53	302
250051004	2013	9	22	19	V	2.9	-999	4.31	293
250051004	2013	9	22	20	V	2.7	2.4	3.78	293
250051004	2013	9	22	21	V	2.7	2.4	3.61	302
250051004	2013	9	22	22	V	2.6	2.4	3.56	300
250051004	2013	9	22	23	V	2.6	2.2	3.34	298
250051004	2013	9	22	24	V	7.9	2.3	3.8	299
250051004	2013	9	23	1	V	9.4	2	4.1	316
250051004	2013	9	23	2	V	7.1	-999	4.24	317
250051004	2013	9	23	3	V	9.1	-999	3.59	312
250051004	2013	9	23	4	V	12.2	1.9	3.8	327
250051004	2013	9	23	5	V	10.4	2.3	4.78	324
250051004	2013	9	23	6	V	11.0	2.2	4.49	327
250051004	2013	9	23	7	V	11.3	2.3	4.82	325
250051004	2013	9	23	8	V	8.3	2.3	6.04	331
250051004	2013	9	23	9	V	8.2	2.1	6.92	342
250051004	2013	9	23	10	V	9.4	2.3	6.24	337
250051004	2013	9	23	11	V	7.5	2.4	5.14	326
250051004	2013	9	23	12	V	8.9	2.2	4.51	321
250051004	2013	9	23	13	V	7.5	2.3	5.27	323
250051004	2013	9	23	14	V	7.0	2.4	4.97	318
250051004	2013	9	23	15	V	4.0	2.4	4.76	323
250051004	2013	9	23	16	V	3.7	2.3	5.17	322

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	23	17	V	3.0	2.4	5.21	321
250051004	2013	9	23	18	V	2.7	2.3	3.81	317
250051004	2013	9	23	19	V	2.9	2.4	2.05	290
250051004	2013	9	23	20	V	2.7	2.2	2.13	317
250051004	2013	9	23	21	V	2.7	2	3.44	354
250051004	2013	9	23	22	V	2.6	2	3.98	2
250051004	2013	9	23	23	V	2.6	1.9	3.59	351
250051004	2013	9	23	24	V	7.9	1.9	3.2	310
250051004	2013	9	24	1	V	9.4	2.1	3.76	319
250051004	2013	9	24	2	V	7.1	2.1	4	318
250051004	2013	9	24	3	V	9.1	2.1	4.75	312
250051004	2013	9	24	4	V	12.2	2	3.61	301
250051004	2013	9	24	5	V	10.4	2.2	2.78	292
250051004	2013	9	24	6	V	11.0	2.3	2.89	263
250051004	2013	9	24	7	V	11.3	2.5	3.98	276
250051004	2013	9	24	8	V	8.3	2.5	3.81	282
250051004	2013	9	24	9	V	8.2	2.5	4.95	304
250051004	2013	9	24	10	V	9.4	2.4	5.48	306
250051004	2013	9	24	11	V	7.5	2.4	4.99	301
250051004	2013	9	24	12	V	8.9	2.5	4.34	304
250051004	2013	9	24	13	V	7.5	2.3	4.66	306
250051004	2013	9	24	14	V	7.0	2.4	4.75	293
250051004	2013	9	24	15	V	4.0	2.5	4.83	293
250051004	2013	9	24	16	V	3.7	2.4	4.49	308
250051004	2013	9	24	17	V	3.0	2.6	4.17	305
250051004	2013	9	24	18	V	2.7	2.6	2.79	301
250051004	2013	9	24	19	V	2.9	2.6	2.71	303
250051004	2013	9	24	20	V	2.7	2.6	3.39	360
250051004	2013	9	24	21	V	2.7	2.6	1.81	23
250051004	2013	9	24	22	V	2.6	2.3	2.76	12
250051004	2013	9	24	23	V	2.6	2.2	1.7	302
250051004	2013	9	24	24	V	7.9	2.4	2.04	289
250051004	2013	9	25	1	V	9.4	2.3	1.84	277
250051004	2013	9	25	2	V	7.1	2.3	1.96	257
250051004	2013	9	25	3	V	9.1	2.1	2.15	258
250051004	2013	9	25	4	V	12.2	2.2	0.94	247
250051004	2013	9	25	5	V	10.4	2.5	1.71	244
250051004	2013	9	25	6	V	11.0	2.3	1.28	280
250051004	2013	9	25	7	V	11.3	2.8	1.88	308
250051004	2013	9	25	8	V	8.3	2.9	3.25	322
250051004	2013	9	25	9	V	8.2	2.8	5.07	339
250051004	2013	9	25	10	V	9.4	2.3	5.97	350
250051004	2013	9	25	11	V	7.5	2.2	4.94	352
250051004	2013	9	25	12	V	8.9	2.3	3.64	355
250051004	2013	9	25	13	V	7.5	2.3	2.3	359
250051004	2013	9	25	14	V	7.0	2.4	2.35	5

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	25	15	V	4.0	2.6	2.71	88
250051004	2013	9	25	16	V	3.7	2.6	1.93	133
250051004	2013	9	25	17	V	3.0	2.6	4.73	148
250051004	2013	9	25	18	V	2.7	2.4	3.71	135
250051004	2013	9	25	19	V	2.9	2.4	2.64	111
250051004	2013	9	25	20	V	2.7	2.2	3.08	86
250051004	2013	9	25	21	V	2.7	2.3	2.86	70
250051004	2013	9	25	22	V	2.6	2.3	1.2	95
250051004	2013	9	25	23	V	2.6	2.2	1.25	38
250051004	2013	9	25	24	V	7.9	2.2	1.28	5
250051004	2013	9	26	1	V	9.4	2.2	2.03	353
250051004	2013	9	26	2	V	7.1	2.3	2.11	340
250051004	2013	9	26	3	V	9.1	2.2	1.84	345
250051004	2013	9	26	4	V	12.2	2.3	2.57	10
250051004	2013	9	26	5	V	10.4	2.3	2.23	354
250051004	2013	9	26	6	V	11.0	2.3	1.69	307
250051004	2013	9	26	7	V	11.3	2.4	2.33	335
250051004	2013	9	26	8	V	8.3	2.4	3.01	3
250051004	2013	9	26	9	V	8.2	2.2	4.31	17
250051004	2013	9	26	10	V	9.4	2.1	4.73	16
250051004	2013	9	26	11	V	7.5	2.4	4.03	24
250051004	2013	9	26	12	V	8.9	2.2	3.59	19
250051004	2013	9	26	13	V	7.5	2.2	3.78	34
250051004	2013	9	26	14	V	7.0	2.1	3.71	26
250051004	2013	9	26	15	V	4.0	2.2	2.69	9
250051004	2013	9	26	16	V	3.7	2.2	2.56	34
250051004	2013	9	26	17	V	3.0	2.2	2.39	41
250051004	2013	9	26	18	V	2.7	2.1	1.84	85
250051004	2013	9	26	19	V	2.9	-999	1.64	98
250051004	2013	9	26	20	V	2.7	1.9	0.84	133
250051004	2013	9	26	21	V	2.7	2	1.03	254
250051004	2013	9	26	22	V	2.6	2	1.88	280
250051004	2013	9	26	23	V	2.6	2.1	1.16	292
250051004	2013	9	26	24	V	7.9	1.9	1.77	291
250051004	2013	9	27	1	V	9.4	2.1	2.01	334
250051004	2013	9	27	2	V	7.1	1.9	2.95	353
250051004	2013	9	27	3	V	9.1	2	3.57	359
250051004	2013	9	27	4	V	12.2	2.1	3.63	353
250051004	2013	9	27	5	V	10.4	2	3.44	346
250051004	2013	9	27	6	V	11.0	1.8	3.39	346
250051004	2013	9	27	7	V	11.3	1.5	3.42	338
250051004	2013	9	27	8	V	8.3	1.9	3.69	349
250051004	2013	9	27	9	V	8.2	2.1	4.26	8
250051004	2013	9	27	10	V	9.4	2	5.12	15
250051004	2013	9	27	11	V	7.5	1.8	4.78	16
250051004	2013	9	27	12	V	8.9	1.8	5.48	19

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	27	13	V	7.5	1.9	5.6	22
250051004	2013	9	27	14	V	7.0	1.8	5.62	21
250051004	2013	9	27	15	V	4.0	1.9	5.53	17
250051004	2013	9	27	16	V	3.7	1.9	5.53	36
250051004	2013	9	27	17	V	3.0	2.1	5.6	35
250051004	2013	9	27	18	V	2.7	2	3.69	40
250051004	2013	9	27	19	V	2.9	2	2.54	29
250051004	2013	9	27	20	V	2.7	2	1.96	6
250051004	2013	9	27	21	V	2.7	2.1	1.31	282
250051004	2013	9	27	22	V	2.6	1.9	1.69	275
250051004	2013	9	27	23	V	2.6	1.9	1.69	276
250051004	2013	9	27	24	C	-999	1.9	0	0
250051004	2013	9	28	1	V	9.4	1.7	1.35	269
250051004	2013	9	28	2	V	7.1	1.9	1.59	275
250051004	2013	9	28	3	V	9.1	2.1	1.43	281
250051004	2013	9	28	4	V	12.2	2	1.55	288
250051004	2013	9	28	5	V	10.4	2	1.21	291
250051004	2013	9	28	6	V	11.0	1.9	1.16	300
250051004	2013	9	28	7	V	11.3	2	1.14	308
250051004	2013	9	28	8	V	8.3	2.1	2.44	350
250051004	2013	9	28	9	V	8.2	2	3.25	15
250051004	2013	9	28	10	V	9.4	2.1	3.51	26
250051004	2013	9	28	11	V	7.5	2	3.95	47
250051004	2013	9	28	12	V	8.9	1.9	3.73	36
250051004	2013	9	28	13	V	7.5	1.9	4.08	51
250051004	2013	9	28	14	V	7.0	1.9	4.02	59
250051004	2013	9	28	15	V	4.0	1.8	4.36	55
250051004	2013	9	28	16	V	3.7	1.8	4.43	62
250051004	2013	9	28	17	V	3.0	1.4	4.15	69
250051004	2013	9	28	18	V	2.7	1.8	3.27	75
250051004	2013	9	28	19	V	2.9	1.8	2.2	83
250051004	2013	9	28	20	V	2.7	1.9	1.82	107
250051004	2013	9	28	21	V	2.7	1.8	0.86	120
250051004	2013	9	28	22	V	2.6	1.5	0.77	350
250051004	2013	9	28	23	V	2.6	1.6	0.6	279
250051004	2013	9	28	24	V	7.9	1.6	1.08	323
250051004	2013	9	29	1	V	9.4	1.5	0.63	319
250051004	2013	9	29	2	V	7.1	1.8	0.99	308
250051004	2013	9	29	3	V	9.1	1.8	0.77	314
250051004	2013	9	29	4	V	12.2	1.8	1.16	351
250051004	2013	9	29	5	V	10.4	1.7	1.3	335
250051004	2013	9	29	6	V	11.0	1.7	1.38	328
250051004	2013	9	29	7	V	11.3	1.8	1.86	346
250051004	2013	9	29	8	V	8.3	2	1.35	6
250051004	2013	9	29	9	V	8.2	2.1	1.21	32
250051004	2013	9	29	10	V	9.4	2	2.76	70

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	9	29	11	V	7.5	2	3.1	56
250051004	2013	9	29	12	V	8.9	2.2	2.42	80
250051004	2013	9	29	13	V	7.5	2	2.81	89
250051004	2013	9	29	14	V	7.0	2	2.3	91
250051004	2013	9	29	15	V	4.0	2	2.33	90
250051004	2013	9	29	16	V	3.7	2	3.42	146
250051004	2013	9	29	17	V	3.0	1.9	2.89	160
250051004	2013	9	29	18	V	2.7	2.1	1.86	148
250051004	2013	9	29	19	V	2.9	-999	3.29	77
250051004	2013	9	29	20	V	2.7	1.9	2.89	66
250051004	2013	9	29	21	V	2.7	1.9	2.35	20
250051004	2013	9	29	22	V	2.6	1.9	2.27	2
250051004	2013	9	29	23	V	2.6	1.9	2.13	16
250051004	2013	9	29	24	V	7.9	2	2.25	354
250051004	2013	9	30	1	V	9.4	1.9	2.73	341
250051004	2013	9	30	2	V	7.1	2	2.78	339
250051004	2013	9	30	3	V	9.1	1.9	2.84	355
250051004	2013	9	30	4	V	12.2	2	3.52	358
250051004	2013	9	30	5	V	10.4	1.9	3.08	347
250051004	2013	9	30	6	V	11.0	2.1	3.2	7
250051004	2013	9	30	7	V	11.3	2.1	3.62	18
250051004	2013	9	30	8	V	8.3	1.8	3.69	30
250051004	2013	9	30	9	V	8.2	2	3.39	2
250051004	2013	9	30	10	V	9.4	2.1	2.96	348
250051004	2013	9	30	11	V	7.5	2.1	3.51	358
250051004	2013	9	30	12	V	8.9	2.1	3.35	8
250051004	2013	9	30	13	V	7.5	2.2	3.12	14
250051004	2013	9	30	14	V	7.0	2.2	2.78	3
250051004	2013	9	30	15	V	4.0	2.6	2.66	316
250051004	2013	9	30	16	V	3.7	2.2	3.32	317
250051004	2013	9	30	17	V	3.0	2.3	3.03	332
250051004	2013	9	30	18	V	2.7	2.3	2.42	22
250051004	2013	9	30	19	V	2.9	2.2	1.89	47
250051004	2013	9	30	20	V	2.7	2.4	1.08	331
250051004	2013	9	30	21	V	2.7	2.2	2.06	271
250051004	2013	9	30	22	V	2.6	2.3	2.55	264
250051004	2013	9	30	23	V	2.6	2.4	2.04	267
250051004	2013	9	30	24	V	7.9	2.4	1.35	278
250051004	2013	10	1	1	V	9.4	2.3	1.03	40
250051004	2013	10	1	2	V	7.1	2.4	0.94	360
250051004	2013	10	1	3	V	9.1	2.5	0.91	243
250051004	2013	10	1	4	V	12.2	2.4	1.14	258
250051004	2013	10	1	5	V	10.4	2.4	1.31	261
250051004	2013	10	1	6	V	11.0	2.9	1.31	260
250051004	2013	10	1	7	V	11.3	3	0.6	177
250051004	2013	10	1	8	V	8.3	3	1.01	277

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	1	9	V	8.2	3	3.07	337
250051004	2013	10	1	10	V	9.4	2.6	3.93	352
250051004	2013	10	1	11	V	7.5	2.6	4.73	344
250051004	2013	10	1	12	V	8.9	2.5	4.56	334
250051004	2013	10	1	13	V	7.5	2.5	4.05	328
250051004	2013	10	1	14	V	7.0	2.7	3.22	304
250051004	2013	10	1	15	V	4.0	2.7	4.58	291
250051004	2013	10	1	16	V	3.7	2.8	3.98	300
250051004	2013	10	1	17	V	3.0	2.7	2.96	298
250051004	2013	10	1	18	V	2.7	2.8	1.91	270
250051004	2013	10	1	19	V	2.9	2.6	2.4	262
250051004	2013	10	1	20	V	2.7	2.7	2.64	265
250051004	2013	10	1	21	V	2.7	2.6	1.55	257
250051004	2013	10	1	22	V	2.6	2.6	1.67	255
250051004	2013	10	1	23	V	2.6	2.6	2.71	258
250051004	2013	10	1	24	V	7.9	2.7	3.27	256
250051004	2013	10	2	1	V	9.4	2.8	3.46	256
250051004	2013	10	2	2	V	7.1	2.7	3.01	257
250051004	2013	10	2	3	V	9.1	2.7	3.24	261
250051004	2013	10	2	4	V	12.2	2.6	3.3	261
250051004	2013	10	2	5	V	10.4	2.6	1.84	238
250051004	2013	10	2	6	V	11.0	2.5	2.22	265
250051004	2013	10	2	7	M	-999	2.6	4.56	265
250051004	2013	10	2	8	M	-999	3	3.13	262
250051004	2013	10	2	9	M	-999	3	3.86	260
250051004	2013	10	2	10	M	-999	3	4.22	262
250051004	2013	10	2	11	M	-999	3	5.46	258
250051004	2013	10	2	12	M	-999	2.9	6.79	257
250051004	2013	10	2	13	M	-999	2.9	6.84	274
250051004	2013	10	2	14	M	-999	3	6.43	294
250051004	2013	10	2	15	M	-999	2.7	6.41	287
250051004	2013	10	2	16	M	-999	2.9	6.69	289
250051004	2013	10	2	17	M	-999	3.1	4.53	289
250051004	2013	10	2	18	V	2.7	2.7	3.63	300
250051004	2013	10	2	19	V	2.9	-999	3.22	289
250051004	2013	10	2	20	V	2.7	2.6	2.57	254
250051004	2013	10	2	21	V	2.7	2.6	2.57	258
250051004	2013	10	2	22	V	2.6	2.5	1.82	244
250051004	2013	10	2	23	V	2.6	2.4	1.55	219
250051004	2013	10	2	24	V	7.9	2.5	2.97	258
250051004	2013	10	3	1	V	9.4	2.4	2.81	266
250051004	2013	10	3	2	V	7.1	2.4	2.16	263
250051004	2013	10	3	3	V	9.1	2.4	2.52	265
250051004	2013	10	3	4	V	12.2	2.5	2.64	265
250051004	2013	10	3	5	V	10.4	2.5	2.45	262
250051004	2013	10	3	6	V	11.0	2.5	2.27	267

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	3	7	M	-999	2.9	1.69	252
250051004	2013	10	3	8	M	-999	3.1	1.37	283
250051004	2013	10	3	9	M	-999	-999	1.99	332
250051004	2013	10	3	10	M	-999	-999	2.49	339
250051004	2013	10	3	11	M	-999	-999	2.33	344
250051004	2013	10	3	12	M	-999	1.1	1.99	260
250051004	2013	10	3	13	M	-999	0.8	3.46	241
250051004	2013	10	3	14	M	-999	0.7	3.8	182
250051004	2013	10	3	15	M	-999	0.7	4.56	239
250051004	2013	10	3	16	M	-999	0.6	4.26	237
250051004	2013	10	3	17	M	-999	0.6	2.47	234
250051004	2013	10	3	18	V	2.7	0.9	1.94	200
250051004	2013	10	3	19	V	2.9	0.8	2.35	259
250051004	2013	10	3	20	V	2.7	0.5	1.79	257
250051004	2013	10	3	21	V	2.7	0.5	1.54	257
250051004	2013	10	3	22	V	2.6	0.4	1.14	249
250051004	2013	10	3	23	V	2.6	0.4	2.36	244
250051004	2013	10	3	24	V	7.9	0.9	2.86	267
250051004	2013	10	4	1	V	9.4	2.3	2.36	248
250051004	2013	10	4	2	V	7.1	1.2	1.99	264
250051004	2013	10	4	3	V	9.1	0.7	2.18	258
250051004	2013	10	4	4	V	12.2	0.8	1.98	238
250051004	2013	10	4	5	V	10.4	0.6	0.6	159
250051004	2013	10	4	6	V	11.0	0.7	1.33	259
250051004	2013	10	4	7	V	11.3	0.6	1.43	276
250051004	2013	10	4	8	M	-999	1.2	0.87	275
250051004	2013	10	4	9	M	-999	1.7	0.75	182
250051004	2013	10	4	10	M	-999	1.2	1.13	100
250051004	2013	10	4	11	M	-999	1.1	3.71	29
250051004	2013	10	4	12	M	-999	0.9	4.42	20
250051004	2013	10	4	13	M	-999	0.8	4.75	8
250051004	2013	10	4	14	M	-999	0.5	4.05	24
250051004	2013	10	4	15	M	-999	0.6	2.9	47
250051004	2013	10	4	16	M	-999	0.5	3.3	24
250051004	2013	10	4	17	M	-999	0.6	3.18	30
250051004	2013	10	4	18	V	2.7	0.6	2.42	25
250051004	2013	10	4	19	V	2.9	0.5	1.69	21
250051004	2013	10	4	20	V	2.7	0.5	1.33	341
250051004	2013	10	4	21	V	2.7	0.5	0.97	7
250051004	2013	10	4	22	V	2.6	0.8	0.82	46
250051004	2013	10	4	23	V	2.6	1	1.01	93
250051004	2013	10	4	24	V	7.9	0.9	1.28	22
250051004	2013	10	5	1	V	9.4	0.7	1.55	31
250051004	2013	10	5	2	V	7.1	0.5	1.5	52
250051004	2013	10	5	3	V	9.1	0.4	1.91	48
250051004	2013	10	5	4	V	12.2	0.7	2.03	3

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	5	5	V	10.4	0.5	2.2	17
250051004	2013	10	5	6	V	11.0	0.3	1.14	30
250051004	2013	10	5	7	V	11.3	0.5	1.48	35
250051004	2013	10	5	8	M	-999	0.5	1.3	24
250051004	2013	10	5	9	M	-999	0.6	2.64	14
250051004	2013	10	5	10	M	-999	0.8	2.74	15
250051004	2013	10	5	11	M	-999	0.6	2.4	17
250051004	2013	10	5	12	M	-999	1	1.31	18
250051004	2013	10	5	13	M	-999	0.8	2.08	5
250051004	2013	10	5	14	M	-999	0.7	2.76	36
250051004	2013	10	5	15	M	-999	0.6	2.44	62
250051004	2013	10	5	16	M	-999	0.8	2.54	99
250051004	2013	10	5	17	M	-999	0.7	2.11	87
250051004	2013	10	5	18	V	2.7	0.6	1.28	73
250051004	2013	10	5	19	V	2.9	-999	2.55	104
250051004	2013	10	5	20	V	2.7	0.3	1.82	72
250051004	2013	10	5	21	V	2.7	0.4	2.27	77
250051004	2013	10	5	22	V	2.6	0.3	1.35	61
250051004	2013	10	5	23	V	2.6	0.3	1.08	21
250051004	2013	10	5	24	V	7.9	0.4	1.4	49
250051004	2013	10	6	1	V	9.4	0.5	1.5	25
250051004	2013	10	6	2	V	7.1	0.5	1.47	54
250051004	2013	10	6	3	V	9.1	0.4	2.06	56
250051004	2013	10	6	4	V	12.2	0.4	2.45	49
250051004	2013	10	6	5	V	10.4	0.4	2.16	51
250051004	2013	10	6	6	V	11.0	0.3	3.05	53
250051004	2013	10	6	7	V	11.3	0.2	3.61	48
250051004	2013	10	6	8	M	-999	0.4	4.12	34
250051004	2013	10	6	9	M	-999	0.2	3.2	42
250051004	2013	10	6	10	M	-999	0.3	3.64	51
250051004	2013	10	6	11	M	-999	0.3	3.51	66
250051004	2013	10	6	12	M	-999	0.2	3.98	72
250051004	2013	10	6	13	M	-999	0.3	3.8	78
250051004	2013	10	6	14	M	-999	0.4	2.98	71
250051004	2013	10	6	15	M	-999	0.3	3.08	77
250051004	2013	10	6	16	M	-999	0.2	3.49	54
250051004	2013	10	6	17	V	3.0	0.3	2.95	93
250051004	2013	10	6	18	V	2.7	0.3	3.52	101
250051004	2013	10	6	19	V	2.9	0.2	3	90
250051004	2013	10	6	20	V	2.7	0.2	2.73	67
250051004	2013	10	6	21	V	2.7	0.2	1.96	44
250051004	2013	10	6	22	V	2.6	0.3	1.62	31
250051004	2013	10	6	23	V	2.6	0	1.45	24
250051004	2013	10	6	24	V	7.9	0.1	1.84	11
250051004	2013	10	7	1	V	9.4	0.3	1.67	16
250051004	2013	10	7	2	V	7.1	-999	1.09	20

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	7	3	V	9.1	-999	0.92	335
250051004	2013	10	7	4	V	12.2	0.1	1.13	19
250051004	2013	10	7	5	V	10.4	0.4	0.96	14
250051004	2013	10	7	6	V	11.0	0.3	0.62	350
250051004	2013	10	7	7	V	11.3	0.2	2.16	159
250051004	2013	10	7	8	M	-999	0.4	3.07	160
250051004	2013	10	7	9	M	-999	0.4	6.45	173
250051004	2013	10	7	10	M	-999	0.6	6.63	167
250051004	2013	10	7	11	M	-999	0.7	7.59	166
250051004	2013	10	7	12	M	-999	1	7.84	169
250051004	2013	10	7	13	M	-999	1.7	8.27	173
250051004	2013	10	7	14	M	-999	0.9	7.76	168
250051004	2013	10	7	15	M	-999	0.8	7.99	179
250051004	2013	10	7	16	M	-999	0.7	8.25	181
250051004	2013	10	7	17	M	-999	0.6	9.36	187
250051004	2013	10	7	18	V	2.7	0.6	8.61	188
250051004	2013	10	7	19	V	2.9	0.8	8.5	199
250051004	2013	10	7	20	V	2.7	0.7	7.62	206
250051004	2013	10	7	21	V	2.7	0.7	6.18	236
250051004	2013	10	7	22	V	2.6	0.8	4.88	259
250051004	2013	10	7	23	V	2.6	0.8	4.97	309
250051004	2013	10	7	24	V	7.9	0.6	3.44	313
250051004	2013	10	8	1	V	9.4	0.3	4.31	310
250051004	2013	10	8	2	V	7.1	0.7	3.97	294
250051004	2013	10	8	3	V	9.1	0.6	3.54	290
250051004	2013	10	8	4	V	12.2	0.6	3.59	291
250051004	2013	10	8	5	V	10.4	0.4	3.51	293
250051004	2013	10	8	6	V	11.0	0.4	4.34	298
250051004	2013	10	8	7	V	11.3	0.4	4.12	307
250051004	2013	10	8	8	M	-999	0.3	4.54	321
250051004	2013	10	8	9	M	-999	0.4	5.34	331
250051004	2013	10	8	10	M	-999	0.7	5.87	339
250051004	2013	10	8	11	M	-999	0.4	5.72	340
250051004	2013	10	8	12	M	-999	0.3	5.84	352
250051004	2013	10	8	13	M	-999	0.5	5.94	353
250051004	2013	10	8	14	M	-999	0.6	4.99	342
250051004	2013	10	8	15	M	-999	0.4	4.95	351
250051004	2013	10	8	16	M	-999	0.3	4.25	346
250051004	2013	10	8	17	M	-999	0.3	4.03	345
250051004	2013	10	8	18	V	2.7	0.2	3.12	350
250051004	2013	10	8	19	V	2.9	0.3	1.96	357
250051004	2013	10	8	20	V	2.7	0.1	2.81	11
250051004	2013	10	8	21	V	2.7	0	3.05	31
250051004	2013	10	8	22	V	2.6	0	1.91	22
250051004	2013	10	8	23	V	2.6	0	3.46	356
250051004	2013	10	8	24	V	7.9	0.1	2.61	359

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	9	1	V	9.4	0.1	3.58	17
250051004	2013	10	9	2	V	7.1	0.1	4.02	23
250051004	2013	10	9	3	V	9.1	0	3.47	28
250051004	2013	10	9	4	V	12.2	0	3.51	18
250051004	2013	10	9	5	V	10.4	0.2	4.71	30
250051004	2013	10	9	6	V	11.0	0.3	4.66	25
250051004	2013	10	9	7	V	11.3	0.5	4.51	23
250051004	2013	10	9	8	M	-999	0.5	5.31	31
250051004	2013	10	9	9	M	-999	0.3	5.45	38
250051004	2013	10	9	10	M	-999	0	6.09	54
250051004	2013	10	9	11	M	-999	0	6.18	54
250051004	2013	10	9	12	M	-999	0	6.31	55
250051004	2013	10	9	13	M	-999	0	5.51	60
250051004	2013	10	9	14	M	-999	0	5.67	71
250051004	2013	10	9	15	M	-999	0	4.99	75
250051004	2013	10	9	16	M	-999	0	4.85	81
250051004	2013	10	9	17	V	3.0	0	5.02	72
250051004	2013	10	9	18	V	2.7	0.1	4.26	58
250051004	2013	10	9	19	V	2.9	0	3.64	48
250051004	2013	10	9	20	V	2.7	0	3.78	33
250051004	2013	10	9	21	V	2.7	0	3.9	31
250051004	2013	10	9	22	V	2.6	0	4.07	21
250051004	2013	10	9	23	V	2.6	0.1	3.93	29
250051004	2013	10	9	24	V	7.9	0.1	3.9	22
250051004	2013	10	10	1	V	9.4	0	3.46	15
250051004	2013	10	10	2	V	7.1	0.1	3.44	16
250051004	2013	10	10	3	V	9.1	0.1	4.29	26
250051004	2013	10	10	4	V	12.2	0.1	3.39	28
250051004	2013	10	10	5	V	10.4	0.1	2.93	19
250051004	2013	10	10	6	V	11.0	0.3	2.69	3
250051004	2013	10	10	7	V	11.3	0.4	3.46	360
250051004	2013	10	10	8	M	-999	0	3.47	14
250051004	2013	10	10	9	M	-999	0.3	3.78	23
250051004	2013	10	10	10	M	-999	0.3	4.09	29
250051004	2013	10	10	11	M	-999	0.4	4.68	39
250051004	2013	10	10	12	M	-999	0.3	4.65	44
250051004	2013	10	10	13	M	-999	0.4	4.48	44
250051004	2013	10	10	14	M	-999	0.3	4.76	49
250051004	2013	10	10	15	M	-999	0.4	4.68	44
250051004	2013	10	10	16	M	-999	0.3	5.12	53
250051004	2013	10	10	17	V	3.0	0.4	5.46	42
250051004	2013	10	10	18	V	2.7	0.4	5.82	37
250051004	2013	10	10	19	V	2.9	0.4	5.56	39
250051004	2013	10	10	20	V	2.7	0.4	5.16	34
250051004	2013	10	10	21	V	2.7	0.5	4.99	28
250051004	2013	10	10	22	V	2.6	0.6	4.8	28

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	10	23	V	2.6	0.5	4.9	27
250051004	2013	10	10	24	V	7.9	0.5	4.7	29
250051004	2013	10	11	1	V	9.4	0.5	4.66	22
250051004	2013	10	11	2	V	7.1	0.6	5.1	29
250051004	2013	10	11	3	V	9.1	0.7	4.99	26
250051004	2013	10	11	4	V	12.2	0.7	4.41	16
250051004	2013	10	11	5	V	10.4	0.7	3.3	8
250051004	2013	10	11	6	V	11.0	0.7	4.94	9
250051004	2013	10	11	7	V	11.3	0.5	4.92	13
250051004	2013	10	11	8	V	8.3	0.6	4.99	19
250051004	2013	10	11	9	V	8.2	0.9	4.9	33
250051004	2013	10	11	10	V	9.4	0.6	5.12	28
250051004	2013	10	11	11	V	7.5	0.5	6.16	34
250051004	2013	10	11	12	V	8.9	0.6	6.28	40
250051004	2013	10	11	13	V	7.5	0.5	5.44	49
250051004	2013	10	11	14	V	7.0	0.6	6.09	44
250051004	2013	10	11	15	V	4.0	0.6	5.8	45
250051004	2013	10	11	16	V	3.7	0.6	4.95	51
250051004	2013	10	11	17	V	3.0	0.8	3.56	48
250051004	2013	10	11	18	V	2.7	0.9	4.05	42
250051004	2013	10	11	19	V	2.9	-999	3.71	54
250051004	2013	10	11	20	V	2.7	0.4	2.84	31
250051004	2013	10	11	21	V	2.7	0.3	2.91	9
250051004	2013	10	11	22	V	2.6	0.5	3.22	14
250051004	2013	10	11	23	V	2.6	0.6	2.98	9
250051004	2013	10	11	24	V	7.9	0.6	3.13	13
250051004	2013	10	12	1	V	9.4	0.7	3.08	7
250051004	2013	10	12	2	V	7.1	0.5	2.32	360
250051004	2013	10	12	3	V	9.1	1	2.44	10
250051004	2013	10	12	4	V	12.2	1.3	2.64	2
250051004	2013	10	12	5	V	10.4	1.1	3.69	13
250051004	2013	10	12	6	V	11.0	0.9	4.37	10
250051004	2013	10	12	7	V	11.3	0.8	3.73	11
250051004	2013	10	12	8	V	8.3	0.8	5.39	22
250051004	2013	10	12	9	V	8.2	0.5	6.09	38
250051004	2013	10	12	10	V	9.4	0.8	6.97	48
250051004	2013	10	12	11	V	7.5	0.6	7.84	46
250051004	2013	10	12	12	V	8.9	0.4	8.64	46
250051004	2013	10	12	13	V	7.5	0.3	8.27	51
250051004	2013	10	12	14	V	7.0	0.3	7.52	46
250051004	2013	10	12	15	V	4.0	0.2	6.6	53
250051004	2013	10	12	16	V	3.7	0.2	6.81	49
250051004	2013	10	12	17	V	3.0	0	6.02	49
250051004	2013	10	12	18	V	2.7	0.3	6.14	46
250051004	2013	10	12	19	V	2.9	0.2	6.14	49
250051004	2013	10	12	20	V	2.7	0.2	6.24	43

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	12	21	V	2.7	0.1	5.6	51
250051004	2013	10	12	22	V	2.6	0	4.85	47
250051004	2013	10	12	23	V	2.6	0.1	4.15	43
250051004	2013	10	12	24	V	7.9	0.1	3.68	32
250051004	2013	10	13	1	V	9.4	0	4.49	28
250051004	2013	10	13	2	V	7.1	0.3	4.2	27
250051004	2013	10	13	3	V	9.1	0.4	4.77	23
250051004	2013	10	13	4	V	12.2	0.3	5.31	28
250051004	2013	10	13	5	V	10.4	0.3	4.49	31
250051004	2013	10	13	6	V	11.0	0.5	3.83	14
250051004	2013	10	13	7	V	11.3	0.5	3.1	12
250051004	2013	10	13	8	V	8.3	0.5	3.37	25
250051004	2013	10	13	9	V	8.2	0.5	3.64	41
250051004	2013	10	13	10	V	9.4	0.2	5.17	53
250051004	2013	10	13	11	V	7.5	0.1	5.44	59
250051004	2013	10	13	12	V	8.9	0.1	5.02	70
250051004	2013	10	13	13	V	7.5	0.1	4.68	61
250051004	2013	10	13	14	V	7.0	0	4.29	64
250051004	2013	10	13	15	V	4.0	0.1	4.51	82
250051004	2013	10	13	16	V	3.7	0	3.51	77
250051004	2013	10	13	17	V	3.0	0.1	4.05	80
250051004	2013	10	13	18	V	2.7	0.1	3.69	74
250051004	2013	10	13	19	V	2.9	0.1	2.72	66
250051004	2013	10	13	20	V	2.7	0.1	1.76	49
250051004	2013	10	13	21	V	2.7	0.1	1.72	35
250051004	2013	10	13	22	V	2.6	0.1	2.16	360
250051004	2013	10	13	23	V	2.6	0	1.76	313
250051004	2013	10	13	24	V	7.9	0.1	1.4	284
250051004	2013	10	14	1	V	9.4	0.1	0.94	248
250051004	2013	10	14	2	V	7.1	0.1	0.57	254
250051004	2013	10	14	3	V	9.1	0.1	1.16	314
250051004	2013	10	14	4	V	12.2	0.2	1.47	278
250051004	2013	10	14	5	V	10.4	0.1	1.28	287
250051004	2013	10	14	6	V	11.0	0.3	1.5	278
250051004	2013	10	14	7	V	11.3	0.3	1.14	285
250051004	2013	10	14	8	V	8.3	0.6	1.11	14
250051004	2013	10	14	9	V	8.2	0.7	1.18	358
250051004	2013	10	14	10	V	9.4	0.5	1.38	15
250051004	2013	10	14	11	V	7.5	0.4	1.04	62
250051004	2013	10	14	12	V	8.9	0.5	1.21	91
250051004	2013	10	14	13	V	7.5	0.5	2.28	119
250051004	2013	10	14	14	V	7.0	0.5	2.57	125
250051004	2013	10	14	15	V	4.0	0.4	2.89	152
250051004	2013	10	14	16	V	3.7	0.4	3.71	162
250051004	2013	10	14	17	V	3.0	0.2	3.63	183
250051004	2013	10	14	18	V	2.7	0.4	2.32	201

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	14	19	V	2.9	-999	2.06	236
250051004	2013	10	14	20	V	2.7	0.3	1.81	247
250051004	2013	10	14	21	V	2.7	0.3	1.26	213
250051004	2013	10	14	22	V	2.6	0.3	1.81	252
250051004	2013	10	14	23	V	2.6	0.2	1.45	251
250051004	2013	10	14	24	V	7.9	0.3	1.31	247
250051004	2013	10	15	1	V	9.4	0.4	1.74	259
250051004	2013	10	15	2	V	7.1	0.5	1.06	251
250051004	2013	10	15	3	V	9.1	0.5	1.18	258
250051004	2013	10	15	4	V	12.2	0.3	1.04	272
250051004	2013	10	15	5	V	10.4	0.7	1.48	242
250051004	2013	10	15	6	V	11.0	0.8	1.53	276
250051004	2013	10	15	7	V	11.3	1.3	1.08	328
250051004	2013	10	15	8	V	8.3	1.3	0.96	284
250051004	2013	10	15	9	V	8.2	1	0.63	9
250051004	2013	10	15	10	V	9.4	0.6	0.99	44
250051004	2013	10	15	11	V	7.5	0.6	2.03	94
250051004	2013	10	15	12	V	8.9	-999	1.91	115
250051004	2013	10	15	13	V	7.5	-999	2.16	121
250051004	2013	10	15	14	V	7.0	-999	2.38	134
250051004	2013	10	15	15	V	4.0	-999	3.97	163
250051004	2013	10	15	16	V	3.7	0.6	4.39	161
250051004	2013	10	15	17	V	3.0	0.8	2.98	171
250051004	2013	10	15	18	V	2.7	0.8	2.08	166
250051004	2013	10	15	19	V	2.9	0.7	2.44	140
250051004	2013	10	15	20	V	2.7	0.6	2.06	63
250051004	2013	10	15	21	V	2.7	0.5	2.04	53
250051004	2013	10	15	22	V	2.6	0.5	1.65	75
250051004	2013	10	15	23	V	2.6	0.4	2.42	3
250051004	2013	10	15	24	V	7.9	0.6	2.52	6
250051004	2013	10	16	1	V	9.4	0.5	1.89	13
250051004	2013	10	16	2	V	7.1	0.3	1.33	45
250051004	2013	10	16	3	V	9.1	0.5	1.94	33
250051004	2013	10	16	4	V	12.2	0.5	3.03	333
250051004	2013	10	16	5	V	10.4	0.7	2.88	356
250051004	2013	10	16	6	V	11.0	0.5	3.37	350
250051004	2013	10	16	7	V	11.3	0.6	2.56	355
250051004	2013	10	16	8	V	8.3	0.8	3.05	7
250051004	2013	10	16	9	V	8.2	0.9	3.81	15
250051004	2013	10	16	10	V	9.4	0.7	4.46	356
250051004	2013	10	16	11	V	7.5	0.6	3.81	16
250051004	2013	10	16	12	V	8.9	0.9	3.59	15
250051004	2013	10	16	13	V	7.5	1	3.29	12
250051004	2013	10	16	14	V	7.0	0.9	3.73	5
250051004	2013	10	16	15	V	4.0	1.1	3.23	358
250051004	2013	10	16	16	V	3.7	1.1	2.74	22

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	16	17	V	3.0	1.2	3.23	31
250051004	2013	10	16	18	V	2.7	1.1	2.62	31
250051004	2013	10	16	19	V	2.9	1	1.96	26
250051004	2013	10	16	20	V	2.7	1	1.43	37
250051004	2013	10	16	21	V	2.7	0.8	1.43	71
250051004	2013	10	16	22	V	2.6	1	1.01	212
250051004	2013	10	16	23	V	2.6	0.9	1.3	241
250051004	2013	10	16	24	V	7.9	1.1	1.43	237
250051004	2013	10	17	1	V	9.4	1.4	1.03	233
250051004	2013	10	17	2	V	7.1	1.5	1.35	237
250051004	2013	10	17	3	V	9.1	1.1	0.99	201
250051004	2013	10	17	4	V	12.2	1	1.4	201
250051004	2013	10	17	5	V	10.4	2.2	1.79	189
250051004	2013	10	17	6	V	11.0	7.8	2.71	184
250051004	2013	10	17	7	V	11.3	10.3	3	203
250051004	2013	10	17	8	V	8.3	3.4	2.47	198
250051004	2013	10	17	9	V	8.2	2.6	3.61	228
250051004	2013	10	17	10	V	9.4	1.7	4.05	245
250051004	2013	10	17	11	V	7.5	1.4	4.19	248
250051004	2013	10	17	12	V	8.9	1.3	3.75	233
250051004	2013	10	17	13	V	7.5	1.4	3.03	244
250051004	2013	10	17	14	V	7.0	1.8	3.44	241
250051004	2013	10	17	15	V	4.0	1.4	3.12	265
250051004	2013	10	17	16	V	3.7	1.2	2.76	205
250051004	2013	10	17	17	V	3.0	1.7	3.44	193
250051004	2013	10	17	18	V	2.7	1.3	3.18	194
250051004	2013	10	17	19	V	2.9	-999	3.12	171
250051004	2013	10	17	20	V	2.7	1.3	3.25	193
250051004	2013	10	17	21	V	2.7	1.3	4.51	191
250051004	2013	10	17	22	V	2.6	1.3	5.02	200
250051004	2013	10	17	23	V	2.6	1.2	3.17	194
250051004	2013	10	17	24	V	7.9	9	3.03	191
250051004	2013	10	18	1	V	9.4	8.6	3.91	197
250051004	2013	10	18	2	V	7.1	10.1	4.22	189
250051004	2013	10	18	3	V	9.1	6.4	5.55	196
250051004	2013	10	18	4	V	12.2	7.2	4.7	204
250051004	2013	10	18	5	V	10.4	5.1	4.05	219
250051004	2013	10	18	6	V	11.0	2.9	4.41	245
250051004	2013	10	18	7	V	11.3	2.1	5.29	281
250051004	2013	10	18	8	V	8.3	1.7	5.73	294
250051004	2013	10	18	9	V	8.2	1.7	6.16	295
250051004	2013	10	18	10	V	9.4	1.5	7.13	286
250051004	2013	10	18	11	V	7.5	1.6	6.64	291
250051004	2013	10	18	12	V	8.9	1.6	6.11	286
250051004	2013	10	18	13	V	7.5	1.4	6.52	275
250051004	2013	10	18	14	V	7.0	1.4	6.3	277

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	18	15	V	4.0	1.3	6.24	286
250051004	2013	10	18	16	V	3.7	1.3	5.44	280
250051004	2013	10	18	17	V	3.0	1.2	4.32	288
250051004	2013	10	18	18	V	2.7	1.5	2.04	277
250051004	2013	10	18	19	V	2.9	1.4	2.15	262
250051004	2013	10	18	20	V	2.7	1.4	2.23	255
250051004	2013	10	18	21	V	2.7	1.3	2.59	259
250051004	2013	10	18	22	V	2.6	1.3	2.88	259
250051004	2013	10	18	23	V	2.6	1.1	2.9	256
250051004	2013	10	18	24	V	7.9	1.3	2.88	250
250051004	2013	10	19	1	V	9.4	1.2	2.64	249
250051004	2013	10	19	2	V	7.1	1	2.71	250
250051004	2013	10	19	3	V	9.1	1	1.81	262
250051004	2013	10	19	4	V	12.2	1	2.76	268
250051004	2013	10	19	5	V	10.4	1	1.86	255
250051004	2013	10	19	6	V	11.0	1	1.79	259
250051004	2013	10	19	7	V	11.3	1	1.31	260
250051004	2013	10	19	8	V	8.3	1.5	1.55	245
250051004	2013	10	19	9	V	8.2	1.5	1.45	222
250051004	2013	10	19	10	V	9.4	1.1	2.15	201
250051004	2013	10	19	11	V	7.5	1.2	3.18	163
250051004	2013	10	19	12	V	8.9	1.2	4.48	197
250051004	2013	10	19	13	V	7.5	1.3	4.56	189
250051004	2013	10	19	14	V	7.0	1.3	4.59	176
250051004	2013	10	19	15	V	4.0	1.3	4.76	180
250051004	2013	10	19	16	V	3.7	1.5	4.08	171
250051004	2013	10	19	17	V	3.0	1.4	2.45	164
250051004	2013	10	19	18	V	2.7	1.5	2.61	155
250051004	2013	10	19	19	V	2.9	1.4	3.12	153
250051004	2013	10	19	20	V	2.7	1.3	3.01	150
250051004	2013	10	19	21	V	2.7	1.3	4.12	137
250051004	2013	10	19	22	V	2.6	1.4	2.06	152
250051004	2013	10	19	23	V	2.6	1.4	0.52	195
250051004	2013	10	19	24	V	7.9	1.5	1.38	218
250051004	2013	10	20	1	V	9.4	1.4	1.54	189
250051004	2013	10	20	2	V	7.1	1.5	1.38	167
250051004	2013	10	20	3	V	9.1	1.6	1.67	220
250051004	2013	10	20	4	V	12.2	1.4	2.2	250
250051004	2013	10	20	5	V	10.4	1.5	3.22	263
250051004	2013	10	20	6	V	11.0	1.5	3.54	265
250051004	2013	10	20	7	V	11.3	1.5	3.54	285
250051004	2013	10	20	8	V	8.3	1.5	6.19	298
250051004	2013	10	20	9	V	8.2	1.2	6.13	295
250051004	2013	10	20	10	V	9.4	1.1	6.16	290
250051004	2013	10	20	11	V	7.5	1.2	6.23	296
250051004	2013	10	20	12	V	8.9	1.3	5.7	289

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	20	13	V	7.5	1.4	5.24	280
250051004	2013	10	20	14	V	7.0	1.5	5.75	285
250051004	2013	10	20	15	V	4.0	1.4	5.92	292
250051004	2013	10	20	16	V	3.7	1.4	5.24	306
250051004	2013	10	20	17	V	3.0	1.4	3.39	308
250051004	2013	10	20	18	V	2.7	1.5	2.06	294
250051004	2013	10	20	19	V	2.9	-999	1.67	240
250051004	2013	10	20	20	V	2.7	1.2	2.25	263
250051004	2013	10	20	21	V	2.7	0.8	2.59	262
250051004	2013	10	20	22	V	2.6	1.2	2.64	260
250051004	2013	10	20	23	V	2.6	1.2	3.18	268
250051004	2013	10	20	24	V	7.9	1.2	2.84	259
250051004	2013	10	21	1	V	9.4	1.3	2.37	262
250051004	2013	10	21	2	V	7.1	-999	2.47	257
250051004	2013	10	21	3	V	9.1	-999	3.1	262
250051004	2013	10	21	4	V	12.2	1.3	2.44	263
250051004	2013	10	21	5	V	10.4	1.2	1.77	250
250051004	2013	10	21	6	V	11.0	1.2	2.52	265
250051004	2013	10	21	7	V	11.3	1.5	3.75	263
250051004	2013	10	21	8	V	8.3	2.2	4	262
250051004	2013	10	21	9	V	8.2	2	3.05	266
250051004	2013	10	21	10	V	9.4	1.8	2.74	262
250051004	2013	10	21	11	V	7.5	1.6	4.65	263
250051004	2013	10	21	12	V	8.9	1.3	4.14	254
250051004	2013	10	21	13	V	7.5	1.7	3.32	243
250051004	2013	10	21	14	V	7.0	1.4	4.15	174
250051004	2013	10	21	15	V	4.0	1.5	4.09	153
250051004	2013	10	21	16	V	3.7	1.7	5.58	202
250051004	2013	10	21	17	V	3.0	1.6	5.07	198
250051004	2013	10	21	18	V	2.7	1.7	4.2	195
250051004	2013	10	21	19	V	2.9	-999	3.52	204
250051004	2013	10	21	20	V	2.7	1.4	3.25	209
250051004	2013	10	21	21	V	2.7	1.4	2.72	194
250051004	2013	10	21	22	V	2.6	1.3	2.2	191
250051004	2013	10	21	23	V	2.6	1.2	1.84	211
250051004	2013	10	21	24	V	7.9	22.6	1.81	217
250051004	2013	10	22	1	V	9.4	2.2	2.22	213
250051004	2013	10	22	2	V	7.1	1.4	1.65	191
250051004	2013	10	22	3	V	9.1	1.5	0.87	192
250051004	2013	10	22	4	V	12.2	1.6	0.82	223
250051004	2013	10	22	5	V	10.4	1.2	0.79	219
250051004	2013	10	22	6	V	11.0	1.3	0.8	204
250051004	2013	10	22	7	V	11.3	1.6	0.86	215
250051004	2013	10	22	8	V	8.3	1.7	2.59	176
250051004	2013	10	22	9	V	8.2	4.8	3.58	181
250051004	2013	10	22	10	V	9.4	6.6	6.11	199

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	22	11	V	7.5	7.6	5.36	201
250051004	2013	10	22	12	V	8.9	6	5.79	215
250051004	2013	10	22	13	V	7.5	5.4	6.16	217
250051004	2013	10	22	14	V	7.0	2.7	5.36	210
250051004	2013	10	22	15	V	4.0	1.5	4.95	227
250051004	2013	10	22	16	V	3.7	1.8	4.9	212
250051004	2013	10	22	17	V	3.0	1.8	4.12	248
250051004	2013	10	22	18	V	2.7	1.8	2.44	266
250051004	2013	10	22	19	V	2.9	1.7	2.74	266
250051004	2013	10	22	20	V	2.7	1.9	1.87	283
250051004	2013	10	22	21	V	2.7	2	3.29	320
250051004	2013	10	22	22	V	2.6	1.7	3.17	335
250051004	2013	10	22	23	V	2.6	1.2	2.38	338
250051004	2013	10	22	24	V	7.9	1.3	2.5	340
250051004	2013	10	23	1	V	9.4	1.7	2.18	331
250051004	2013	10	23	2	V	7.1	1.6	0.89	290
250051004	2013	10	23	3	V	9.1	1.4	1.35	344
250051004	2013	10	23	4	V	12.2	1.4	0.84	317
250051004	2013	10	23	5	V	10.4	1.4	1.16	262
250051004	2013	10	23	6	V	11.0	1.8	1.74	266
250051004	2013	10	23	7	V	11.3	2.5	1.77	270
250051004	2013	10	23	8	V	8.3	2	1.37	286
250051004	2013	10	23	9	V	8.2	1.9	1.98	331
250051004	2013	10	23	10	V	9.4	2	1.88	331
250051004	2013	10	23	11	V	7.5	2	1.94	340
250051004	2013	10	23	12	V	8.9	2	1.67	332
250051004	2013	10	23	13	V	7.5	1.9	2.25	354
250051004	2013	10	23	14	V	7.0	2.1	3.25	340
250051004	2013	10	23	15	V	4.0	2.2	2.67	344
250051004	2013	10	23	16	V	3.7	1.8	1.74	156
250051004	2013	10	23	17	V	3.0	1.9	1.77	239
250051004	2013	10	23	18	V	2.7	1.8	2.21	253
250051004	2013	10	23	19	V	2.9	1.8	1.64	236
250051004	2013	10	23	20	V	2.7	2	1.86	232
250051004	2013	10	23	21	V	2.7	2	3.1	262
250051004	2013	10	23	22	V	2.6	1.9	4	254
250051004	2013	10	23	23	V	2.6	2.1	3.98	274
250051004	2013	10	23	24	V	7.9	2	3.39	278
250051004	2013	10	24	1	V	9.4	1.8	3.12	266
250051004	2013	10	24	2	V	7.1	2.1	3.22	256
250051004	2013	10	24	3	V	9.1	1.9	3.68	267
250051004	2013	10	24	4	V	12.2	1.9	4.43	271
250051004	2013	10	24	5	V	10.4	2.2	3.73	277
250051004	2013	10	24	6	V	11.0	2.1	3.93	268
250051004	2013	10	24	7	V	11.3	2.3	4.39	269
250051004	2013	10	24	8	V	8.3	2.2	4.25	268

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	24	9	V	8.2	1.9	5.56	271
250051004	2013	10	24	10	V	9.4	1.9	5.53	273
250051004	2013	10	24	11	V	7.5	1.6	6.41	280
250051004	2013	10	24	12	V	8.9	1.5	6.79	256
250051004	2013	10	24	13	V	7.5	1.4	6.35	267
250051004	2013	10	24	14	V	7.0	1.5	6.72	265
250051004	2013	10	24	15	V	4.0	1.7	6.62	286
250051004	2013	10	24	16	V	3.7	1.4	5.55	269
250051004	2013	10	24	17	V	3.0	1.6	4.73	254
250051004	2013	10	24	18	V	2.7	1.4	3.9	241
250051004	2013	10	24	19	V	2.9	-999	3.58	243
250051004	2013	10	24	20	V	2.7	1.3	4.09	251
250051004	2013	10	24	21	V	2.7	1.3	3.44	263
250051004	2013	10	24	22	V	2.6	1.5	3.69	269
250051004	2013	10	24	23	V	2.6	1.7	3.01	268
250051004	2013	10	24	24	V	7.9	1.4	2.91	273
250051004	2013	10	25	1	V	9.4	1.4	2.83	283
250051004	2013	10	25	2	V	7.1	1.4	2.57	277
250051004	2013	10	25	3	V	9.1	1.5	2.59	274
250051004	2013	10	25	4	V	12.2	3	1.74	259
250051004	2013	10	25	5	V	10.4	3	2.55	277
250051004	2013	10	25	6	V	11.0	2.9	1.54	306
250051004	2013	10	25	7	V	11.3	2.4	1.98	276
250051004	2013	10	25	8	V	8.3	2.9	4.51	286
250051004	2013	10	25	9	V	8.2	2	5.39	296
250051004	2013	10	25	10	V	9.4	3.1	4.76	303
250051004	2013	10	25	11	V	7.5	1.6	4.83	308
250051004	2013	10	25	12	V	8.9	1.6	6.07	307
250051004	2013	10	25	13	V	7.5	1.3	5.9	298
250051004	2013	10	25	14	V	7.0	1.2	5.39	322
250051004	2013	10	25	15	V	4.0	0.9	5.8	302
250051004	2013	10	25	16	V	3.7	1	6.4	304
250051004	2013	10	25	17	V	3.0	1.1	4.24	295
250051004	2013	10	25	18	V	2.7	1.2	2.84	279
250051004	2013	10	25	19	V	2.9	1.1	2.28	271
250051004	2013	10	25	20	V	2.7	1.1	1.65	269
250051004	2013	10	25	21	V	2.7	1.1	1.55	234
250051004	2013	10	25	22	V	2.6	1.1	1.54	241
250051004	2013	10	25	23	V	2.6	1.1	1.45	219
250051004	2013	10	25	24	V	7.9	0.6	0.99	199
250051004	2013	10	26	1	V	9.4	0.8	1.35	220
250051004	2013	10	26	2	V	7.1	1	2.01	246
250051004	2013	10	26	3	V	9.1	1	2.64	251
250051004	2013	10	26	4	V	12.2	0.8	2.69	258
250051004	2013	10	26	5	V	10.4	1.3	1.76	233
250051004	2013	10	26	6	V	11.0	1.2	2.18	253

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	26	7	V	11.3	1.3	3.15	263
250051004	2013	10	26	8	V	8.3	1.2	2.79	262
250051004	2013	10	26	9	V	8.2	1.4	3.81	248
250051004	2013	10	26	10	V	9.4	1.2	5.14	236
250051004	2013	10	26	11	V	7.5	1.2	7.54	232
250051004	2013	10	26	12	V	8.9	1.3	9	217
250051004	2013	10	26	13	V	7.5	2.1	8.81	219
250051004	2013	10	26	14	V	7.0	1.6	9.51	223
250051004	2013	10	26	15	V	4.0	1.5	9.17	226
250051004	2013	10	26	16	V	3.7	1.8	8.91	214
250051004	2013	10	26	17	V	3.0	1.8	6.53	218
250051004	2013	10	26	18	V	2.7	1.7	5.39	206
250051004	2013	10	26	19	V	2.9	1.7	5.24	212
250051004	2013	10	26	20	V	2.7	1.6	4.65	214
250051004	2013	10	26	21	V	2.7	1.7	3.49	221
250051004	2013	10	26	22	V	2.6	1.4	1.82	196
250051004	2013	10	26	23	V	2.6	1.5	1.76	211
250051004	2013	10	26	24	V	7.9	1.8	2.76	226
250051004	2013	10	27	1	V	9.4	1.7	3.56	247
250051004	2013	10	27	2	V	7.1	1.7	2.71	257
250051004	2013	10	27	3	V	9.1	1.7	3.88	258
250051004	2013	10	27	4	V	12.2	1.8	4.19	274
250051004	2013	10	27	5	V	10.4	1.8	3.1	230
250051004	2013	10	27	6	V	11.0	1.6	1.54	186
250051004	2013	10	27	7	V	11.3	1.8	1.71	207
250051004	2013	10	27	8	V	8.4	1.5	1.91	253
250051004	2013	10	27	9	V	8.2	1.7	3.85	258
250051004	2013	10	27	10	V	9.4	2.1	5.41	274
250051004	2013	10	27	11	V	7.5	2.3	5.82	284
250051004	2013	10	27	12	V	8.9	1.7	5.55	291
250051004	2013	10	27	13	V	7.5	1.5	5.68	291
250051004	2013	10	27	14	V	7.0	1.4	5.79	298
250051004	2013	10	27	15	V	4.0	1.3	5.21	285
250051004	2013	10	27	16	V	3.8	1.6	4.54	308
250051004	2013	10	27	17	V	3.0	1.4	4	307
250051004	2013	10	27	18	V	2.7	1.6	2.66	312
250051004	2013	10	27	19	V	2.9	-999	1.72	292
250051004	2013	10	27	20	V	2.7	1.4	2.15	282
250051004	2013	10	27	21	V	2.7	1.6	1.93	261
250051004	2013	10	27	22	V	2.6	1.7	2.33	263
250051004	2013	10	27	23	V	2.6	1.7	2.15	267
250051004	2013	10	27	24	V	7.9	1.5	2.3	257
250051004	2013	10	28	1	V	9.4	1.6	1.67	244
250051004	2013	10	28	2	V	7.1	2.3	1.37	258
250051004	2013	10	28	3	V	9.1	1.9	2.2	267
250051004	2013	10	28	4	V	12.2	1.6	1.01	246

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	28	5	V	10.4	2.1	1.11	254
250051004	2013	10	28	6	V	11.0	1.8	3.06	262
250051004	2013	10	28	7	V	11.3	2.9	2.79	268
250051004	2013	10	28	8	V	8.3	3	2.79	239
250051004	2013	10	28	9	V	8.2	5.5	4.71	247
250051004	2013	10	28	10	V	9.4	1.3	4.56	250
250051004	2013	10	28	11	V	7.5	1.4	5.99	249
250051004	2013	10	28	12	V	8.9	1.5	6.14	239
250051004	2013	10	28	13	V	7.5	1.3	7.03	254
250051004	2013	10	28	14	V	7.0	1.5	6.67	268
250051004	2013	10	28	15	V	4.0	1.8	6.58	280
250051004	2013	10	28	16	V	3.7	1.7	5.53	299
250051004	2013	10	28	17	V	3.0	1.2	5.04	307
250051004	2013	10	28	18	V	2.7	1.2	2.2	280
250051004	2013	10	28	19	V	2.9	1.2	1.67	282
250051004	2013	10	28	20	V	2.7	1.2	2.76	310
250051004	2013	10	28	21	V	2.7	0.9	5.7	17
250051004	2013	10	28	22	V	2.6	0.7	5.7	14
250051004	2013	10	28	23	V	2.6	0.6	5.14	18
250051004	2013	10	28	24	V	7.9	0.6	3.76	9
250051004	2013	10	29	1	V	9.4	0.8	3.07	355
250051004	2013	10	29	2	V	7.1	0.8	2.74	354
250051004	2013	10	29	3	V	9.1	0.8	3.17	349
250051004	2013	10	29	4	V	12.2	1	3.54	346
250051004	2013	10	29	5	V	10.4	0.9	3.52	347
250051004	2013	10	29	6	V	11.0	1	3.32	343
250051004	2013	10	29	7	V	11.3	3.8	4.03	352
250051004	2013	10	29	8	V	8.3	1.3	3.75	349
250051004	2013	10	29	9	V	8.2	7.5	3.61	345
250051004	2013	10	29	10	V	9.4	-999	4.2	360
250051004	2013	10	29	11	V	7.5	-999	3.75	354
250051004	2013	10	29	12	V	8.9	-999	2.71	359
250051004	2013	10	29	13	V	7.5	0.7	3.12	346
250051004	2013	10	29	14	V	7.0	0.9	2.96	5
250051004	2013	10	29	15	V	4.0	0.8	2.76	3
250051004	2013	10	29	16	V	3.7	0.6	2.57	359
250051004	2013	10	29	17	V	3.0	0.9	2.44	48
250051004	2013	10	29	18	V	2.7	0.8	0.89	113
250051004	2013	10	29	19	V	2.9	0.8	0.94	300
250051004	2013	10	29	20	V	2.7	0.7	2.38	19
250051004	2013	10	29	21	V	2.7	0.8	1.11	8
250051004	2013	10	29	22	V	2.6	0.6	1.38	287
250051004	2013	10	29	23	V	2.6	0.7	1.5	276
250051004	2013	10	29	24	V	7.9	0.8	1.25	275
250051004	2013	10	30	1	V	9.4	0.9	1.3	277
250051004	2013	10	30	2	V	7.1	0.9	1.35	280

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	10	30	3	V	9.1	0.9	1.23	281
250051004	2013	10	30	4	V	12.2	0.9	1.23	270
250051004	2013	10	30	5	V	10.4	1.2	0.63	281
250051004	2013	10	30	6	V	11.0	1.5	0.77	303
250051004	2013	10	30	7	C	-999	1.8	0	0
250051004	2013	10	30	8	V	8.3	3.2	0.69	266
250051004	2013	10	30	9	V	8.2	5.8	0.96	102
250051004	2013	10	30	10	V	9.4	10.1	0.74	186
250051004	2013	10	30	11	V	7.5	3.1	0.94	140
250051004	2013	10	30	12	V	8.9	4.1	1.11	132
250051004	2013	10	30	13	V	7.5	3	1.31	95
250051004	2013	10	30	14	V	7.0	1.9	3.46	284
250051004	2013	10	30	15	V	4.0	1.7	3.32	287
250051004	2013	10	30	16	V	3.7	2	3.68	285
250051004	2013	10	30	17	V	3.0	3.3	2.74	285
250051004	2013	10	30	18	V	2.7	1.8	1.96	244
250051004	2013	10	30	19	V	2.9	1.5	1.03	268
250051004	2013	10	30	20	V	2.7	1.5	0.65	33
250051004	2013	10	30	21	V	2.7	0.7	0.74	11
250051004	2013	10	30	22	V	2.6	0.7	1.31	265
250051004	2013	10	30	23	V	2.6	1.1	1.7	265
250051004	2013	10	30	24	V	7.9	1.3	0.69	260
250051004	2013	10	31	1	C	-999	1.4	0	0
250051004	2013	10	31	2	C	-999	1.4	0	0
250051004	2013	10	31	3	C	-999	1.3	0	0
250051004	2013	10	31	4	C	-999	1.6	0	0
250051004	2013	10	31	5	C	-999	1.4	0	0
250051004	2013	10	31	6	C	-999	0.9	0	0
250051004	2013	10	31	7	C	-999	1.5	0	0
250051004	2013	10	31	8	V	8.3	2	0.62	75
250051004	2013	10	31	9	C	-999	1.8	0	0
250051004	2013	10	31	10	V	9.4	1.8	0.75	212
250051004	2013	10	31	11	V	7.5	1.8	2.52	174
250051004	2013	10	31	12	V	8.9	1.6	4.6	167
250051004	2013	10	31	13	V	7.5	1.4	5.12	167
250051004	2013	10	31	14	V	7.0	1.3	5.04	168
250051004	2013	10	31	15	V	4.0	1.4	5.82	181
250051004	2013	10	31	16	V	3.7	1.3	7.77	202
250051004	2013	10	31	17	V	3.0	1.1	7.01	199
250051004	2013	10	31	18	V	2.7	1.3	7.59	199
250051004	2013	10	31	19	V	2.9	1.1	7.94	201
250051004	2013	10	31	20	V	2.7	1.4	7.09	203
250051004	2013	10	31	21	V	2.7	1.4	7.47	206
250051004	2013	10	31	22	V	2.6	1.4	7.26	205
250051004	2013	10	31	23	V	2.6	1.3	6.77	192
250051004	2013	10	31	24	V	7.9	5.1	8.54	197

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	1	1	V	9.4	5.6	9.52	218
250051004	2013	11	1	2	V	7.1	3.9	7.43	207
250051004	2013	11	1	3	V	9.1	5	7.96	211
250051004	2013	11	1	4	V	12.2	5.7	7.65	209
250051004	2013	11	1	5	V	10.4	6.3	7.5	206
250051004	2013	11	1	6	V	11.0	5.2	9.22	206
250051004	2013	11	1	7	V	11.3	6.7	11.02	201
250051004	2013	11	1	8	V	8.3	5.6	10.38	200
250051004	2013	11	1	9	V	8.2	6.3	10.87	203
250051004	2013	11	1	10	V	9.4	5.5	12.79	206
250051004	2013	11	1	11	V	7.5	5.7	12.13	210
250051004	2013	11	1	12	V	8.9	4.1	8.62	224
250051004	2013	11	1	13	V	7.5	3.3	6.87	222
250051004	2013	11	1	14	V	7.0	3.2	9.03	213
250051004	2013	11	1	15	V	4.0	2.2	8.83	219
250051004	2013	11	1	16	V	3.7	1.9	6.55	218
250051004	2013	11	1	17	V	3.0	1.9	5.34	217
250051004	2013	11	1	18	V	2.7	2.1	5.62	212
250051004	2013	11	1	19	V	2.9	-999	5.14	218
250051004	2013	11	1	20	V	2.7	1.8	5.34	223
250051004	2013	11	1	21	V	2.7	1.8	5.04	222
250051004	2013	11	1	22	V	2.6	1.9	4.54	233
250051004	2013	11	1	23	V	2.6	1.9	5.05	238
250051004	2013	11	1	24	V	7.9	2.1	3.83	251
250051004	2013	11	2	1	V	9.4	2.1	1.82	301
250051004	2013	11	2	2	V	7.1	3.2	3.64	316
250051004	2013	11	2	3	V	9.1	3.2	1.3	306
250051004	2013	11	2	4	V	12.2	2.1	1.25	287
250051004	2013	11	2	5	V	10.4	1.9	0.99	246
250051004	2013	11	2	6	V	11.0	2.2	1.65	275
250051004	2013	11	2	7	V	11.3	2.2	0.77	260
250051004	2013	11	2	8	V	8.3	2.3	1.23	220
250051004	2013	11	2	9	V	8.2	2.1	1.25	269
250051004	2013	11	2	10	V	9.4	2	2.18	179
250051004	2013	11	2	11	V	7.5	1.9	2.49	149
250051004	2013	11	2	12	V	8.9	2.1	2.44	132
250051004	2013	11	2	13	V	7.5	2.2	2.04	172
250051004	2013	11	2	14	V	7.0	2.1	3.01	154
250051004	2013	11	2	15	V	4.0	2	3.73	155
250051004	2013	11	2	16	V	3.7	1.8	2.98	167
250051004	2013	11	2	17	V	3.0	1.7	2.04	156
250051004	2013	11	2	18	V	2.7	2.2	2.06	193
250051004	2013	11	2	19	V	2.9	2	1.82	223
250051004	2013	11	2	20	V	2.7	1.9	2.16	260
250051004	2013	11	2	21	V	2.7	1.9	2.79	289
250051004	2013	11	2	22	V	2.6	2.1	2.84	311

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	2	23	V	2.6	2.2	2.5	324
250051004	2013	11	2	24	V	7.9	2.4	1.82	334
250051004	2013	11	3	1	V	9.4	4.7	2.71	332
250051004	2013	11	3	2	V	7.1	2.1	3.92	342
250051004	2013	11	3	3	V	9.1	1.5	5.16	348
250051004	2013	11	3	4	V	12.2	1.4	4.71	346
250051004	2013	11	3	5	V	10.4	1.3	4.45	349
250051004	2013	11	3	6	V	11.0	1.2	6.53	5
250051004	2013	11	3	7	V	11.3	1.4	6.7	6
250051004	2013	11	3	8	V	8.3	1.4	6.21	358
250051004	2013	11	3	9	V	8.2	1.2	6.58	354
250051004	2013	11	3	10	V	9.4	1.1	7.33	356
250051004	2013	11	3	11	V	7.5	1.1	6.75	4
250051004	2013	11	3	12	V	8.9	1.2	6.36	353
250051004	2013	11	3	13	V	7.5	1.2	6.02	1
250051004	2013	11	3	14	V	7.0	1	5.04	13
250051004	2013	11	3	15	V	4.0	1	4.19	20
250051004	2013	11	3	16	V	3.7	1.1	3.8	15
250051004	2013	11	3	17	V	3.0	1.2	2.44	28
250051004	2013	11	3	18	V	2.7	1	3.12	8
250051004	2013	11	3	19	V	2.9	1.2	3.63	346
250051004	2013	11	3	20	V	2.7	0.9	4.1	352
250051004	2013	11	3	21	V	2.7	0.8	4.68	349
250051004	2013	11	3	22	V	2.6	0.8	4.95	346
250051004	2013	11	3	23	V	2.6	0.7	6.53	353
250051004	2013	11	3	24	V	7.9	0.7	6.47	356
250051004	2013	11	4	1	V	9.4	0.7	5.41	349
250051004	2013	11	4	2	V	7.1	-999	4.51	344
250051004	2013	11	4	3	V	9.1	-999	4.95	343
250051004	2013	11	4	4	V	12.2	0.4	5.38	350
250051004	2013	11	4	5	V	10.4	0.7	5.53	353
250051004	2013	11	4	6	V	11.0	0.8	5.51	354
250051004	2013	11	4	7	V	11.3	0.7	5.56	354
250051004	2013	11	4	8	V	8.3	1	5.5	359
250051004	2013	11	4	9	V	8.2	0.8	6.21	8
250051004	2013	11	4	10	V	9.4	1	6.11	17
250051004	2013	11	4	11	V	7.5	0.8	5.85	21
250051004	2013	11	4	12	V	8.9	0.4	5.21	23
250051004	2013	11	4	13	V	7.5	0.4	5.14	31
250051004	2013	11	4	14	V	7.0	0.7	4.05	16
250051004	2013	11	4	15	V	4.0	0.4	3.92	22
250051004	2013	11	4	16	V	3.7	0.2	3.34	45
250051004	2013	11	4	17	V	3.0	0.2	3.52	66
250051004	2013	11	4	18	V	2.7	0.3	3.49	65
250051004	2013	11	4	19	V	2.9	-999	3.23	66
250051004	2013	11	4	20	V	2.7	0.5	1.72	62

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	4	21	V	2.7	0.2	1.26	19
250051004	2013	11	4	22	V	2.6	0.2	1.57	299
250051004	2013	11	4	23	V	2.6	0.6	1.65	279
250051004	2013	11	4	24	V	7.9	0.6	1.52	278
250051004	2013	11	5	1	V	9.4	1	1.4	325
250051004	2013	11	5	2	V	7.1	0.5	1.16	303
250051004	2013	11	5	3	V	9.1	0.2	1.21	299
250051004	2013	11	5	4	V	12.2	0.6	1.23	331
250051004	2013	11	5	5	V	10.4	0.8	1.65	354
250051004	2013	11	5	6	V	11.0	1	1.48	328
250051004	2013	11	5	7	V	11.3	1.5	2.06	349
250051004	2013	11	5	8	V	8.6	-999	1.67	326
250051004	2013	11	5	9	V	8.4	-999	1.74	7
250051004	2013	11	5	10	V	9.6	0.8	1.93	62
250051004	2013	11	5	11	V	7.6	0.4	2.15	107
250051004	2013	11	5	12	V	9.1	0.6	1.84	165
250051004	2013	11	5	13	V	7.8	0.2	1.72	174
250051004	2013	11	5	14	V	7.1	0.2	2.04	148
250051004	2013	11	5	15	V	4.0	0.3	3.47	155
250051004	2013	11	5	16	V	3.7	0.2	3.85	158
250051004	2013	11	5	17	V	3.0	0.3	3.41	175
250051004	2013	11	5	18	V	2.7	0.3	2.84	187
250051004	2013	11	5	19	V	2.9	0.4	1.52	220
250051004	2013	11	5	20	V	2.7	0.5	1.18	225
250051004	2013	11	5	21	V	2.7	0.4	0.79	228
250051004	2013	11	5	22	V	2.6	0.4	1.1	260
250051004	2013	11	5	23	C	-999	0.4	0	0
250051004	2013	11	5	24	V	7.9	0.6	1.28	270
250051004	2013	11	6	1	V	9.4	1	0.84	236
250051004	2013	11	6	2	V	7.1	0.9	0.55	63
250051004	2013	11	6	3	V	9.1	1	1.35	303
250051004	2013	11	6	4	V	12.2	1	0.87	232
250051004	2013	11	6	5	V	10.4	1	0.89	315
250051004	2013	11	6	6	V	11.0	1.1	1.01	262
250051004	2013	11	6	7	V	11.3	1.3	0.99	258
250051004	2013	11	6	8	V	8.3	2	1.26	251
250051004	2013	11	6	9	V	8.2	2.3	1.25	189
250051004	2013	11	6	10	V	9.4	3.9	3.51	181
250051004	2013	11	6	11	V	7.5	3.9	5.05	185
250051004	2013	11	6	12	V	8.9	5.3	5.5	203
250051004	2013	11	6	13	V	7.5	6.1	6.18	202
250051004	2013	11	6	14	V	7.0	5.3	7.18	203
250051004	2013	11	6	15	V	4.0	1.6	6.69	202
250051004	2013	11	6	16	V	3.7	0.8	6.36	202
250051004	2013	11	6	17	V	3.0	0.8	5.28	197
250051004	2013	11	6	18	V	2.7	0.9	4.95	193

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	6	19	V	2.9	0.8	3.95	186
250051004	2013	11	6	20	V	2.7	0.8	2.47	206
250051004	2013	11	6	21	V	2.7	0.8	2.32	203
250051004	2013	11	6	22	V	2.6	0.9	1.67	194
250051004	2013	11	6	23	V	2.6	1.1	2.32	205
250051004	2013	11	6	24	V	7.9	1.1	3.47	197
250051004	2013	11	7	1	V	9.4	15.8	4.07	191
250051004	2013	11	7	2	V	7.1	7.4	4.08	182
250051004	2013	11	7	3	V	9.1	5.7	3.18	193
250051004	2013	11	7	4	V	12.2	5.4	6.19	206
250051004	2013	11	7	5	V	10.4	4.3	5.9	203
250051004	2013	11	7	6	V	11.0	4.6	2.96	190
250051004	2013	11	7	7	V	11.3	6.5	3.75	193
250051004	2013	11	7	8	V	8.3	5.6	5.41	208
250051004	2013	11	7	9	V	8.2	4.2	5.31	219
250051004	2013	11	7	10	V	9.4	4.3	5.99	220
250051004	2013	11	7	11	V	7.5	4.8	6.02	226
250051004	2013	11	7	12	V	8.9	6.6	5.58	233
250051004	2013	11	7	13	V	7.5	5.5	3.81	234
250051004	2013	11	7	14	V	7.0	3.2	3.29	262
250051004	2013	11	7	15	V	4.0	2.1	2.62	264
250051004	2013	11	7	16	V	3.7	2.1	4.73	296
250051004	2013	11	7	17	V	3.0	1.9	3.61	308
250051004	2013	11	7	18	V	2.7	1.9	4.61	305
250051004	2013	11	7	19	V	2.9	-999	4.87	301
250051004	2013	11	7	20	V	2.7	1.4	5.02	297
250051004	2013	11	7	21	V	2.7	1.4	5.34	299
250051004	2013	11	7	22	V	2.6	1.6	5.19	302
250051004	2013	11	7	23	V	2.6	1.6	4.41	304
250051004	2013	11	7	24	V	7.9	1.7	3.52	298
250051004	2013	11	8	1	V	9.4	1.6	2.84	264
250051004	2013	11	8	2	V	7.1	1.5	2.79	270
250051004	2013	11	8	3	V	9.1	1.7	3.15	277
250051004	2013	11	8	4	V	12.2	1.8	3.05	266
250051004	2013	11	8	5	V	10.4	1.8	2.98	263
250051004	2013	11	8	6	V	11.0	1.8	3.34	256
250051004	2013	11	8	7	V	11.3	1.7	2.42	247
250051004	2013	11	8	8	V	8.3	1.9	3.01	261
250051004	2013	11	8	9	V	8.2	1.8	4.36	266
250051004	2013	11	8	10	V	9.4	1.8	5.94	277
250051004	2013	11	8	11	V	7.5	2	6.38	289
250051004	2013	11	8	12	V	8.9	1.9	6.77	294
250051004	2013	11	8	13	V	7.5	1.8	7.01	294
250051004	2013	11	8	14	V	7.0	2.1	7.04	294
250051004	2013	11	8	15	V	4.0	1.6	7.79	282
250051004	2013	11	8	16	V	3.7	1.3	7.64	279

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	8	17	V	3.0	1.4	6.43	275
250051004	2013	11	8	18	V	2.7	1.3	7.31	299
250051004	2013	11	8	19	V	2.9	1.5	5.16	296
250051004	2013	11	8	20	V	2.7	1.2	3.85	293
250051004	2013	11	8	21	V	2.7	1.3	3.54	285
250051004	2013	11	8	22	V	2.6	1.4	3.25	275
250051004	2013	11	8	23	V	2.6	1.3	3.68	266
250051004	2013	11	8	24	V	7.9	1.3	3.44	268
250051004	2013	11	9	1	V	9.4	1.3	3.49	259
250051004	2013	11	9	2	V	7.1	1.2	2.81	262
250051004	2013	11	9	3	V	9.1	1.4	2.84	262
250051004	2013	11	9	4	V	12.2	1.4	2.4	261
250051004	2013	11	9	5	V	10.4	1.3	3.47	270
250051004	2013	11	9	6	V	11.0	1.7	2.79	268
250051004	2013	11	9	7	V	11.3	1.7	3.92	269
250051004	2013	11	9	8	V	8.3	1.8	2.79	271
250051004	2013	11	9	9	V	8.2	1.7	4.51	289
250051004	2013	11	9	10	V	9.4	1.6	4.53	286
250051004	2013	11	9	11	V	7.5	1.6	5.73	301
250051004	2013	11	9	12	V	8.9	1.6	5.51	308
250051004	2013	11	9	13	V	7.5	1.6	5.75	296
250051004	2013	11	9	14	V	7.0	1.6	5	291
250051004	2013	11	9	15	V	4.0	1.5	4.36	284
250051004	2013	11	9	16	V	3.7	1.7	4.26	252
250051004	2013	11	9	17	V	3.0	1.4	2.59	234
250051004	2013	11	9	18	V	2.7	1.6	1.26	205
250051004	2013	11	9	19	V	2.9	1.5	1.67	178
250051004	2013	11	9	20	V	2.7	1.6	2.11	193
250051004	2013	11	9	21	V	2.7	1.4	1.81	189
250051004	2013	11	9	22	V	2.6	1.5	1.6	184
250051004	2013	11	9	23	V	2.6	1.8	2.04	173
250051004	2013	11	9	24	V	7.9	2.1	1.84	188
250051004	2013	11	10	1	V	9.4	2	2.33	171
250051004	2013	11	10	2	V	7.1	1.9	1.98	175
250051004	2013	11	10	3	V	9.1	2	2.22	180
250051004	2013	11	10	4	V	12.2	2.1	1.43	175
250051004	2013	11	10	5	V	10.4	2.3	1.2	349
250051004	2013	11	10	6	V	11.0	2.2	1.5	49
250051004	2013	11	10	7	V	11.3	2.1	1.99	183
250051004	2013	11	10	8	V	8.3	2.1	2.64	190
250051004	2013	11	10	9	V	8.2	2.3	2.88	218
250051004	2013	11	10	10	V	9.4	2.7	4.12	227
250051004	2013	11	10	11	V	7.5	2.7	4.71	233
250051004	2013	11	10	12	V	8.9	2.8	4.53	260
250051004	2013	11	10	13	V	7.5	2.9	4.15	256
250051004	2013	11	10	14	V	7.0	3.3	4.54	262

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	10	15	V	4.0	3.2	5.39	307
250051004	2013	11	10	16	V	3.7	2	6.99	292
250051004	2013	11	10	17	V	3.0	1.6	3.98	255
250051004	2013	11	10	18	V	2.7	1.7	4.2	257
250051004	2013	11	10	19	V	2.9	-999	4.61	251
250051004	2013	11	10	20	V	2.7	1.5	4.49	262
250051004	2013	11	10	21	V	2.7	1.6	3.12	248
250051004	2013	11	10	22	V	2.6	1.9	4.09	244
250051004	2013	11	10	23	V	2.6	1.6	5.75	251
250051004	2013	11	10	24	V	7.9	1.9	4.87	262
250051004	2013	11	11	1	V	9.4	1.6	6.65	286
250051004	2013	11	11	2	V	7.1	1.8	7.21	289
250051004	2013	11	11	3	V	9.1	1.8	5.8	296
250051004	2013	11	11	4	V	12.2	1.8	6.47	295
250051004	2013	11	11	5	V	10.4	1.6	5.31	285
250051004	2013	11	11	6	V	11.0	1.5	3.81	288
250051004	2013	11	11	7	V	11.3	1.9	3.17	287
250051004	2013	11	11	8	V	8.3	1.5	3.71	275
250051004	2013	11	11	9	V	8.2	1.5	5.8	283
250051004	2013	11	11	10	V	9.4	1.4	5.6	283
250051004	2013	11	11	11	V	7.5	1.7	6.16	288
250051004	2013	11	11	12	V	8.9	1.5	5.43	285
250051004	2013	11	11	13	V	7.5	1.6	5.58	279
250051004	2013	11	11	14	V	7.0	1.4	4.46	243
250051004	2013	11	11	15	V	4.0	1.5	4.54	238
250051004	2013	11	11	16	V	3.7	1.4	4.44	221
250051004	2013	11	11	17	V	3.0	0.9	5.29	208
250051004	2013	11	11	18	V	2.7	1.4	4.19	216
250051004	2013	11	11	19	V	2.9	1.5	2.91	202
250051004	2013	11	11	20	V	2.7	1.7	3.2	203
250051004	2013	11	11	21	V	2.7	1.7	3.83	208
250051004	2013	11	11	22	V	2.6	1.7	4.61	212
250051004	2013	11	11	23	V	2.6	2	3.39	207
250051004	2013	11	11	24	V	7.9	2	5.1	229
250051004	2013	11	12	1	V	9.4	3.8	4.15	227
250051004	2013	11	12	2	V	7.1	2.8	3.3	235
250051004	2013	11	12	3	V	9.1	2.3	3.8	239
250051004	2013	11	12	4	V	12.2	2.3	3.74	277
250051004	2013	11	12	5	V	10.4	2.4	5.29	289
250051004	2013	11	12	6	V	11.0	2.4	4.1	278
250051004	2013	11	12	7	V	11.3	2.4	5.31	306
250051004	2013	11	12	8	V	8.3	3.3	5.17	305
250051004	2013	11	12	9	V	8.2	2.8	6.19	309
250051004	2013	11	12	10	V	24.0	10.5	6.16	326
250051004	2013	11	12	11	V	14.0	5.2	4.54	321
250051004	2013	11	12	12	V	13.4	4.4	5.89	336

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	12	13	V	14.9	2.9	4.56	320
250051004	2013	11	12	14	V	26.0	4.8	5.1	325
250051004	2013	11	12	15	V	4.6	4.5	5.89	313
250051004	2013	11	12	16	V	15.8	1.7	5.78	323
250051004	2013	11	12	17	V	3.7	5.5	5.65	328
250051004	2013	11	12	18	V	2.7	6.4	4.58	320
250051004	2013	11	12	19	V	2.9	4.1	4.02	316
250051004	2013	11	12	20	V	2.7	4	4.22	320
250051004	2013	11	12	21	V	2.9	12.8	4.65	323
250051004	2013	11	12	22	V	2.6	10.4	3.2	319
250051004	2013	11	12	23	V	2.6	15	4.1	326
250051004	2013	11	12	24	V	7.9	5.8	4.19	330
250051004	2013	11	13	1	V	9.4	2.4	2.56	311
250051004	2013	11	13	2	V	7.1	3.3	3.46	318
250051004	2013	11	13	3	V	9.1	2.2	4.05	317
250051004	2013	11	13	4	V	12.2	6.4	3.97	319
250051004	2013	11	13	5	V	10.4	9.2	3.92	321
250051004	2013	11	13	6	V	11.0	8.3	4.24	317
250051004	2013	11	13	7	V	11.3	8.7	3.39	323
250051004	2013	11	13	8	V	11.3	15.2	5.12	325
250051004	2013	11	13	9	V	28.6	11.6	5.97	329
250051004	2013	11	13	10	V	30.9	6.8	5.9	326
250051004	2013	11	13	11	V	27.9	8.3	5.02	328
250051004	2013	11	13	12	V	29.5	7.1	5.22	327
250051004	2013	11	13	13	V	7.8	3.3	4.53	302
250051004	2013	11	13	14	V	10.1	2.8	4.85	312
250051004	2013	11	13	15	V	4.1	1.4	5.46	304
250051004	2013	11	13	16	V	3.7	1.3	5.07	297
250051004	2013	11	13	17	V	3.0	1.3	3.73	301
250051004	2013	11	13	18	V	2.7	1.5	2.4	289
250051004	2013	11	13	19	V	2.9	-999	2.49	261
250051004	2013	11	13	20	V	2.7	1.3	2.23	252
250051004	2013	11	13	21	V	2.7	1.3	2.69	247
250051004	2013	11	13	22	V	2.6	1.4	2.71	211
250051004	2013	11	13	23	V	2.6	1.6	2.62	228
250051004	2013	11	13	24	V	7.9	1.7	2.96	194
250051004	2013	11	14	1	V	9.4	1.7	2.88	213
250051004	2013	11	14	2	V	7.1	1.6	2.5	210
250051004	2013	11	14	3	V	9.1	1.7	3.9	243
250051004	2013	11	14	4	V	12.2	1.7	4.36	241
250051004	2013	11	14	5	V	10.4	2.1	4.85	239
250051004	2013	11	14	6	V	11.0	2.4	5.94	243
250051004	2013	11	14	7	V	11.3	2.5	7.04	244
250051004	2013	11	14	8	V	8.3	2.7	5.62	247
250051004	2013	11	14	9	V	8.2	2.5	4.77	242
250051004	2013	11	14	10	V	9.4	3.2	4.34	239

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	14	11	V	7.5	2.7	5.73	268
250051004	2013	11	14	12	V	8.9	2.7	6.06	261
250051004	2013	11	14	13	V	7.5	2.7	5.63	253
250051004	2013	11	14	14	V	7.0	2.6	5.65	256
250051004	2013	11	14	15	V	4.0	2.5	5.76	254
250051004	2013	11	14	16	V	3.7	2.5	5.19	248
250051004	2013	11	14	17	V	3.0	3	3.47	227
250051004	2013	11	14	18	V	2.7	3	3	192
250051004	2013	11	14	19	V	2.9	3.1	2.33	186
250051004	2013	11	14	20	V	2.7	3	2.4	196
250051004	2013	11	14	21	V	2.7	3	1.91	178
250051004	2013	11	14	22	V	2.6	2.7	3.05	209
250051004	2013	11	14	23	V	2.6	2.6	2.59	231
250051004	2013	11	14	24	V	7.9	2.4	4.03	254
250051004	2013	11	15	1	V	9.4	2.5	4.8	249
250051004	2013	11	15	2	V	7.1	2.8	4.17	249
250051004	2013	11	15	3	V	9.1	3.1	4.49	242
250051004	2013	11	15	4	V	12.2	3	3.08	237
250051004	2013	11	15	5	V	10.4	3.1	1.55	280
250051004	2013	11	15	6	V	11.0	2.8	1.45	199
250051004	2013	11	15	7	V	11.3	3.2	1.93	251
250051004	2013	11	15	8	V	8.3	4.8	1.45	205
250051004	2013	11	15	9	V	8.2	9	2.33	200
250051004	2013	11	15	10	V	9.4	8.6	3.23	199
250051004	2013	11	15	11	V	7.5	6.8	5.02	231
250051004	2013	11	15	12	V	8.9	8.6	4.82	224
250051004	2013	11	15	13	V	7.5	7.9	4.85	201
250051004	2013	11	15	14	V	7.0	9.2	5.79	207
250051004	2013	11	15	15	V	4.0	4.8	5.79	209
250051004	2013	11	15	16	V	3.7	2.2	6.28	207
250051004	2013	11	15	17	V	3.0	2	4.34	206
250051004	2013	11	15	18	V	2.7	1.8	3.59	204
250051004	2013	11	15	19	V	2.9	1.9	3.68	203
250051004	2013	11	15	20	V	2.7	1.6	2.18	187
250051004	2013	11	15	21	V	2.7	1.3	0.63	137
250051004	2013	11	15	22	V	2.6	1.3	1.16	145
250051004	2013	11	15	23	V	2.6	1.3	1.93	181
250051004	2013	11	15	24	V	7.9	1.7	1.26	159
250051004	2013	11	16	1	V	9.4	1.6	1.03	156
250051004	2013	11	16	2	V	7.1	1.8	1.16	194
250051004	2013	11	16	3	V	9.1	2.4	0.82	254
250051004	2013	11	16	4	V	12.2	2.6	2.57	233
250051004	2013	11	16	5	V	10.4	2.6	3.18	257
250051004	2013	11	16	6	V	11.0	3	2.81	269
250051004	2013	11	16	7	V	11.3	2.5	3.58	267
250051004	2013	11	16	8	V	8.3	3	3.9	270

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	16	9	V	8.2	2.7	3.52	267
250051004	2013	11	16	10	V	9.4	2.7	2.35	236
250051004	2013	11	16	11	V	7.5	2.3	3.73	264
250051004	2013	11	16	12	V	8.9	2	4.87	263
250051004	2013	11	16	13	V	7.5	1.6	4.8	252
250051004	2013	11	16	14	V	7.0	1.7	2.86	288
250051004	2013	11	16	15	V	4.0	1.7	2.88	284
250051004	2013	11	16	16	V	3.7	1.5	2.16	291
250051004	2013	11	16	17	V	3.0	1.2	1.81	163
250051004	2013	11	16	18	V	2.7	1.1	2.06	195
250051004	2013	11	16	19	V	2.9	-999	1.72	217
250051004	2013	11	16	20	V	2.7	0.7	0.97	185
250051004	2013	11	16	21	V	2.7	0.8	0.55	282
250051004	2013	11	16	22	V	2.6	0.8	0.97	125
250051004	2013	11	16	23	V	2.6	1	1.08	255
250051004	2013	11	16	24	C	-999	1	0	0
250051004	2013	11	17	1	C	-999	1	0	0
250051004	2013	11	17	2	V	7.1	0.9	0.91	261
250051004	2013	11	17	3	V	9.1	1	0.99	280
250051004	2013	11	17	4	V	12.2	0.8	0.75	13
250051004	2013	11	17	5	V	10.4	0.8	1.08	301
250051004	2013	11	17	6	V	11.0	1	0.75	14
250051004	2013	11	17	7	V	11.3	0.9	1.74	349
250051004	2013	11	17	8	V	8.3	0.8	1.04	360
250051004	2013	11	17	9	V	8.2	1.1	1.6	340
250051004	2013	11	17	10	V	9.4	1.1	1.18	37
250051004	2013	11	17	11	V	7.5	1.6	1.26	103
250051004	2013	11	17	12	V	8.9	1.6	1.47	171
250051004	2013	11	17	13	V	7.5	1.3	1.94	162
250051004	2013	11	17	14	V	7.0	1.1	2.38	145
250051004	2013	11	17	15	V	4.0	1	1.79	122
250051004	2013	11	17	16	V	3.7	1.1	1.93	111
250051004	2013	11	17	17	V	3.0	1	2.15	138
250051004	2013	11	17	18	V	2.7	1.2	2.47	153
250051004	2013	11	17	19	V	2.9	1.2	2.91	158
250051004	2013	11	17	20	V	2.7	1.2	2.59	157
250051004	2013	11	17	21	V	2.7	1.3	2.96	160
250051004	2013	11	17	22	V	2.6	1.4	3.78	159
250051004	2013	11	17	23	V	2.6	1.3	4.54	166
250051004	2013	11	17	24	V	7.9	1.5	3.39	155
250051004	2013	11	18	1	V	9.4	1.6	3.56	166
250051004	2013	11	18	2	V	7.1	-999	4.05	160
250051004	2013	11	18	3	V	9.1	-999	4.94	182
250051004	2013	11	18	4	V	12.2	-999	6.35	184
250051004	2013	11	18	5	V	10.4	2.1	6.14	162
250051004	2013	11	18	6	V	11.0	2.4	7.74	182

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	18	7	V	11.3	4.1	9.73	207
250051004	2013	11	18	8	V	8.3	4.3	5.07	225
250051004	2013	11	18	9	V	8.2	12	6.4	225
250051004	2013	11	18	10	V	9.4	7	5.68	232
250051004	2013	11	18	11	V	7.5	3.4	5.84	234
250051004	2013	11	18	12	V	8.9	2.6	6.28	235
250051004	2013	11	18	13	V	7.5	2.6	5.51	228
250051004	2013	11	18	14	V	7.0	7.1	5.46	225
250051004	2013	11	18	15	V	4.0	5.1	5.19	208
250051004	2013	11	18	16	V	3.7	2.6	5.63	200
250051004	2013	11	18	17	V	3.0	2.6	4.46	205
250051004	2013	11	18	18	V	2.7	2.5	4.05	204
250051004	2013	11	18	19	V	2.9	2.4	3.51	219
250051004	2013	11	18	20	V	2.7	2.5	3.13	231
250051004	2013	11	18	21	V	2.7	2.4	3.63	267
250051004	2013	11	18	22	V	2.6	2.5	3.18	253
250051004	2013	11	18	23	V	2.6	2.6	4.24	284
250051004	2013	11	18	24	V	7.9	2.3	5.53	299
250051004	2013	11	19	1	V	9.4	2.2	4.41	292
250051004	2013	11	19	2	V	7.1	2.2	5.16	303
250051004	2013	11	19	3	V	9.1	2	6.01	302
250051004	2013	11	19	4	V	12.2	1.9	5.28	303
250051004	2013	11	19	5	V	10.4	2.3	6.01	302
250051004	2013	11	19	6	V	11.0	2.1	7.13	300
250051004	2013	11	19	7	V	11.3	2.4	3.34	276
250051004	2013	11	19	8	V	8.3	2.2	4.87	289
250051004	2013	11	19	9	V	8.2	2.1	7.2	301
250051004	2013	11	19	10	V	9.6	9.2	6.79	310
250051004	2013	11	19	11	V	7.8	7.1	7.96	311
250051004	2013	11	19	12	V	9.9	3.3	7.52	314
250051004	2013	11	19	13	V	7.8	3.4	7.62	311
250051004	2013	11	19	14	V	7.3	2	7.55	311
250051004	2013	11	19	15	V	6.6	2	6.91	319
250051004	2013	11	19	16	V	3.8	1.5	5.87	316
250051004	2013	11	19	17	V	3.0	1.9	5.65	313
250051004	2013	11	19	18	V	2.7	2.5	5.12	314
250051004	2013	11	19	19	V	2.9	-999	4.24	318
250051004	2013	11	19	20	V	3.2	29.1	6.04	328
250051004	2013	11	19	21	V	2.9	32.2	5.58	328
250051004	2013	11	19	22	V	2.6	2	5.55	334
250051004	2013	11	19	23	V	2.6	1.3	5.94	336
250051004	2013	11	19	24	V	7.9	1.1	5.31	337
250051004	2013	11	20	1	V	9.4	1.2	4.71	337
250051004	2013	11	20	2	V	7.1	1	4.29	334
250051004	2013	11	20	3	V	9.1	1.4	4.46	336
250051004	2013	11	20	4	V	12.2	1.1	4.27	335

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	20	5	V	10.4	1	4.34	336
250051004	2013	11	20	6	V	11.0	1	4.09	346
250051004	2013	11	20	7	V	11.3	4.8	3.44	337
250051004	2013	11	20	8	V	8.4	6.1	3.34	326
250051004	2013	11	20	9	V	8.3	3.5	5.87	344
250051004	2013	11	20	10	V	9.5	2.5	5.87	347
250051004	2013	11	20	11	V	7.5	1.5	5.48	355
250051004	2013	11	20	12	V	8.9	1.4	5.29	354
250051004	2013	11	20	13	V	7.5	0.8	5.48	352
250051004	2013	11	20	14	V	7.0	1	4.54	355
250051004	2013	11	20	15	V	4.0	0.7	4.48	8
250051004	2013	11	20	16	V	3.7	0.8	3.47	350
250051004	2013	11	20	17	V	3.0	0.8	3.07	2
250051004	2013	11	20	18	V	2.7	1.2	1.86	348
250051004	2013	11	20	19	V	2.9	1.6	1.2	312
250051004	2013	11	20	20	V	2.7	1.5	2.47	349
250051004	2013	11	20	21	V	2.7	1.1	1.72	304
250051004	2013	11	20	22	V	2.6	1.2	1.91	338
250051004	2013	11	20	23	V	2.6	1.1	1.08	322
250051004	2013	11	20	24	V	7.9	1.2	1.5	287
250051004	2013	11	21	1	V	9.4	1.4	1.96	284
250051004	2013	11	21	2	V	7.1	1.6	1.4	288
250051004	2013	11	21	3	V	9.1	1.8	1.48	291
250051004	2013	11	21	4	V	12.2	1.7	1.64	283
250051004	2013	11	21	5	V	10.4	2.1	1.4	286
250051004	2013	11	21	6	V	11.0	2.3	1.38	314
250051004	2013	11	21	7	V	11.3	2.4	1.52	290
250051004	2013	11	21	8	V	8.3	2.4	1.31	299
250051004	2013	11	21	9	V	8.2	2.4	1.35	299
250051004	2013	11	21	10	V	11.4	5.5	1.38	290
250051004	2013	11	21	11	V	10.2	3	1.06	259
250051004	2013	11	21	12	V	9.0	3	2.98	233
250051004	2013	11	21	13	V	7.6	1.3	3.2	254
250051004	2013	11	21	14	V	7.0	1.4	3.2	248
250051004	2013	11	21	15	V	4.0	1.1	2.52	234
250051004	2013	11	21	16	V	3.7	0.9	2.9	237
250051004	2013	11	21	17	V	3.0	1	1.87	237
250051004	2013	11	21	18	V	2.7	1.2	2.03	197
250051004	2013	11	21	19	V	2.9	1.4	2.06	222
250051004	2013	11	21	20	V	2.7	1.3	0.84	211
250051004	2013	11	21	21	V	2.7	1.3	1.11	219
250051004	2013	11	21	22	V	2.6	1.1	1.5	222
250051004	2013	11	21	23	V	2.6	1.2	0.91	233
250051004	2013	11	21	24	V	7.9	1.3	0.72	236
250051004	2013	11	22	1	V	9.4	6.8	0.69	163
250051004	2013	11	22	2	V	7.1	3.7	0.99	203

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	22	3	V	9.1	5	1.03	216
250051004	2013	11	22	4	V	12.2	5.1	0.82	278
250051004	2013	11	22	5	V	10.4	9.2	0.82	263
250051004	2013	11	22	6	V	11.0	2.9	1.25	185
250051004	2013	11	22	7	V	11.3	2.1	1.69	177
250051004	2013	11	22	8	V	8.3	3.1	1.77	161
250051004	2013	11	22	9	V	8.2	1.7	1.93	184
250051004	2013	11	22	10	V	9.4	1.5	1.96	177
250051004	2013	11	22	11	V	7.5	1.6	2.4	171
250051004	2013	11	22	12	V	9.2	1.6	1.62	182
250051004	2013	11	22	13	V	7.6	6.4	1.74	187
250051004	2013	11	22	14	V	7.1	3.3	1.67	209
250051004	2013	11	22	15	V	4.0	2.2	2.33	262
250051004	2013	11	22	16	V	3.7	2.1	3.69	275
250051004	2013	11	22	17	V	3.0	1.6	3.32	288
250051004	2013	11	22	18	V	2.7	1.8	2.74	290
250051004	2013	11	22	19	V	2.9	-999	3.35	260
250051004	2013	11	22	20	V	2.7	1.8	1.74	241
250051004	2013	11	22	21	V	2.7	1.9	3.01	243
250051004	2013	11	22	22	V	2.6	2	1.89	223
250051004	2013	11	22	23	V	2.6	2	1.99	236
250051004	2013	11	22	24	V	7.9	2.4	1.35	250
250051004	2013	11	23	1	V	9.4	2.4	1.57	268
250051004	2013	11	23	2	V	7.1	2.2	2.4	267
250051004	2013	11	23	3	V	9.1	2.4	4.76	295
250051004	2013	11	23	4	V	12.2	2.4	6.01	295
250051004	2013	11	23	5	V	10.4	2.1	5.24	303
250051004	2013	11	23	6	V	11.0	2	5.99	305
250051004	2013	11	23	7	V	11.3	1.9	5.62	306
250051004	2013	11	23	8	V	8.3	2.3	5.89	306
250051004	2013	11	23	9	V	8.2	1.8	7.5	302
250051004	2013	11	23	10	V	9.5	1.7	6.77	305
250051004	2013	11	23	11	V	7.5	2	7.3	302
250051004	2013	11	23	12	V	9.2	2.1	7.14	308
250051004	2013	11	23	13	V	25.2	2.1	6.94	323
250051004	2013	11	23	14	V	7.6	1.9	5.94	309
250051004	2013	11	23	15	V	4.0	2.1	6.28	296
250051004	2013	11	23	16	V	3.7	2.1	6.11	293
250051004	2013	11	23	17	V	3.0	2.2	3.81	300
250051004	2013	11	23	18	V	2.7	2.1	2.73	295
250051004	2013	11	23	19	V	2.9	2	2.42	287
250051004	2013	11	23	20	V	2.7	2.4	3.64	284
250051004	2013	11	23	21	V	2.7	2.3	7.04	288
250051004	2013	11	23	22	V	2.6	2.1	6.53	289
250051004	2013	11	23	23	V	2.6	2.1	7.3	296
250051004	2013	11	23	24	V	7.9	2.2	7.88	296

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	24	1	V	9.4	1.9	8.91	302
250051004	2013	11	24	2	V	7.1	1.9	9.07	294
250051004	2013	11	24	3	V	9.1	2.3	8.35	294
250051004	2013	11	24	4	V	12.2	2.2	8.28	288
250051004	2013	11	24	5	V	10.4	2.4	7.64	291
250051004	2013	11	24	6	V	11.0	2.3	8.2	295
250051004	2013	11	24	7	V	11.3	2.2	7.6	290
250051004	2013	11	24	8	V	8.3	2	9.51	300
250051004	2013	11	24	9	V	8.2	2	8.54	306
250051004	2013	11	24	10	V	9.4	2.1	9.63	304
250051004	2013	11	24	11	V	7.5	3.4	9.97	304
250051004	2013	11	24	12	V	8.9	3	9.64	304
250051004	2013	11	24	13	V	7.6	2.8	9.92	305
250051004	2013	11	24	14	V	7.7	4.2	10.05	311
250051004	2013	11	24	15	V	6.6	2.5	10.61	315
250051004	2013	11	24	16	V	4.8	2.9	10.17	314
250051004	2013	11	24	17	V	3.1	1.7	9.69	310
250051004	2013	11	24	18	V	2.8	1.6	9.95	311
250051004	2013	11	24	19	V	2.9	1.4	8.3	304
250051004	2013	11	24	20	V	2.7	1.8	8.33	302
250051004	2013	11	24	21	V	2.7	1.6	7.81	301
250051004	2013	11	24	22	V	2.6	1.5	8.52	298
250051004	2013	11	24	23	V	2.6	1.4	7.33	298
250051004	2013	11	24	24	V	7.9	1.7	6.47	303
250051004	2013	11	25	1	V	9.4	1.5	5.89	300
250051004	2013	11	25	2	V	7.1	1.5	5.63	297
250051004	2013	11	25	3	V	9.1	1.5	5.58	296
250051004	2013	11	25	4	V	12.2	1.3	4.56	289
250051004	2013	11	25	5	V	10.4	1.7	3.97	305
250051004	2013	11	25	6	V	11.0	3.6	3.97	301
250051004	2013	11	25	7	V	11.3	2.4	3.78	288
250051004	2013	11	25	8	V	8.3	2.3	4.17	293
250051004	2013	11	25	9	V	8.2	3.2	4.7	297
250051004	2013	11	25	10	V	11.3	5	5.87	313
250051004	2013	11	25	11	V	7.6	4.2	5.51	304
250051004	2013	11	25	12	V	9.0	2	6.45	303
250051004	2013	11	25	13	V	9.3	2	5.84	312
250051004	2013	11	25	14	V	7.0	1.3	5.04	288
250051004	2013	11	25	15	V	4.0	1.5	4.51	263
250051004	2013	11	25	16	V	3.7	1.6	4.49	243
250051004	2013	11	25	17	V	3.0	1.4	3	245
250051004	2013	11	25	18	V	2.7	1.6	3.06	219
250051004	2013	11	25	19	V	2.9	1.7	2.88	193
250051004	2013	11	25	20	V	2.7	1.6	2.9	212
250051004	2013	11	25	21	V	2.7	1.5	2.93	204
250051004	2013	11	25	22	V	2.6	1.6	3.65	199

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	25	23	V	2.6	1.6	2.86	177
250051004	2013	11	25	24	V	7.9	1.7	2.9	208
250051004	2013	11	26	1	V	9.4	2.5	4.68	233
250051004	2013	11	26	2	V	7.1	2.5	5.39	226
250051004	2013	11	26	3	V	9.1	4.1	4.17	228
250051004	2013	11	26	4	V	12.2	2.9	2.86	231
250051004	2013	11	26	5	V	10.4	2.8	2.61	225
250051004	2013	11	26	6	V	11.0	4.1	4.41	212
250051004	2013	11	26	7	V	11.3	3.1	3.75	223
250051004	2013	11	26	8	V	8.3	2.3	4.56	222
250051004	2013	11	26	9	V	8.2	2.3	3.44	230
250051004	2013	11	26	10	V	9.4	3.9	2.96	233
250051004	2013	11	26	11	V	7.5	2.8	3.98	242
250051004	2013	11	26	12	V	8.9	2.3	4.43	246
250051004	2013	11	26	13	V	7.5	2.3	3.46	244
250051004	2013	11	26	14	V	7.0	2.4	3.68	225
250051004	2013	11	26	15	V	4.0	2.6	2.93	218
250051004	2013	11	26	16	V	3.7	2.2	2.81	205
250051004	2013	11	26	17	V	3.0	2.3	2.78	203
250051004	2013	11	26	18	V	2.7	1.8	1.89	149
250051004	2013	11	26	19	V	2.9	1.6	1.06	93
250051004	2013	11	26	20	V	2.7	1.5	1.3	51
250051004	2013	11	26	21	V	2.7	1.6	2.11	48
250051004	2013	11	26	22	V	2.6	1.5	1.96	49
250051004	2013	11	26	23	V	2.6	1.5	1.72	41
250051004	2013	11	26	24	V	7.9	1.4	1.57	358
250051004	2013	11	27	1	V	9.4	1.7	2.49	1
250051004	2013	11	27	2	V	7.1	2	6.07	120
250051004	2013	11	27	3	V	9.1	2	8.39	129
250051004	2013	11	27	4	V	12.2	2	8.39	132
250051004	2013	11	27	5	V	10.4	2.3	9.49	132
250051004	2013	11	27	6	V	11.0	2.5	10.43	147
250051004	2013	11	27	7	V	11.3	2.5	11.51	164
250051004	2013	11	27	8	V	8.3	2.6	11.19	165
250051004	2013	11	27	9	V	8.2	2.7	11.63	172
250051004	2013	11	27	10	V	9.4	2.6	11.79	179
250051004	2013	11	27	11	V	7.5	2.9	6.52	185
250051004	2013	11	27	12	V	8.9	5.1	4.88	183
250051004	2013	11	27	13	V	7.5	4.9	3.22	168
250051004	2013	11	27	14	V	7.0	3.8	3.66	149
250051004	2013	11	27	15	V	4.0	3.1	3.63	174
250051004	2013	11	27	16	V	3.7	3	3.9	224
250051004	2013	11	27	17	V	3.0	3	4.32	308
250051004	2013	11	27	18	V	2.7	3.1	4.25	303
250051004	2013	11	27	19	V	2.9	-999	5.02	317
250051004	2013	11	27	20	V	2.7	2.7	7.11	299

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	27	21	V	2.7	2.6	8.28	296
250051004	2013	11	27	22	V	2.6	2.7	7.15	298
250051004	2013	11	27	23	V	2.6	2.8	7.31	297
250051004	2013	11	27	24	V	7.9	2.7	6.33	281
250051004	2013	11	28	1	V	9.4	2.5	6.23	272
250051004	2013	11	28	2	V	7.1	2.3	8.28	273
250051004	2013	11	28	3	V	9.1	2.2	8.05	273
250051004	2013	11	28	4	V	12.2	2.3	8.32	277
250051004	2013	11	28	5	V	10.4	2.1	6.5	283
250051004	2013	11	28	6	V	11.0	2	7.21	279
250051004	2013	11	28	7	V	11.3	1.9	7.57	287
250051004	2013	11	28	8	V	8.3	1.9	8.45	290
250051004	2013	11	28	9	V	8.2	1.6	7.5	288
250051004	2013	11	28	10	V	9.4	1.6	8.45	288
250051004	2013	11	28	11	V	7.5	1.4	8.91	290
250051004	2013	11	28	12	V	8.9	1.7	9.15	304
250051004	2013	11	28	13	V	7.5	1.5	7.98	294
250051004	2013	11	28	14	V	7.0	1.5	7.09	304
250051004	2013	11	28	15	V	4.0	1.3	6.86	297
250051004	2013	11	28	16	V	3.7	1.2	6.01	295
250051004	2013	11	28	17	V	3.0	1.2	4.37	289
250051004	2013	11	28	18	V	2.7	1.2	4.58	283
250051004	2013	11	28	19	V	2.9	1.1	5.31	295
250051004	2013	11	28	20	V	2.7	1	3.81	290
250051004	2013	11	28	21	V	2.7	1	2.38	275
250051004	2013	11	28	22	V	2.6	1.2	2.84	272
250051004	2013	11	28	23	V	2.6	1	3.1	279
250051004	2013	11	28	24	V	7.9	1	2.95	270
250051004	2013	11	29	1	V	9.4	1.4	3.44	281
250051004	2013	11	29	2	V	7.1	1.2	2.64	285
250051004	2013	11	29	3	V	9.1	1.2	2.9	295
250051004	2013	11	29	4	V	12.2	1	2.67	287
250051004	2013	11	29	5	V	10.4	1.3	3.34	284
250051004	2013	11	29	6	V	11.0	1.3	2.66	305
250051004	2013	11	29	7	V	11.3	2.3	2.98	317
250051004	2013	11	29	8	V	8.3	2.2	2.78	295
250051004	2013	11	29	9	V	8.2	1.2	3.73	304
250051004	2013	11	29	10	V	14.6	3.5	3.47	315
250051004	2013	11	29	11	V	7.9	4	3.98	350
250051004	2013	11	29	12	V	19.7	4.3	3.32	318
250051004	2013	11	29	13	V	10.0	2.7	3.9	310
250051004	2013	11	29	14	V	24.6	1.5	4.05	326
250051004	2013	11	29	15	V	11.1	1.1	4.88	318
250051004	2013	11	29	16	V	3.7	1.1	4.48	302
250051004	2013	11	29	17	V	3.0	2.1	3.1	305
250051004	2013	11	29	18	V	2.7	0.9	1.57	295

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	11	29	19	V	2.9	0.9	1.94	299
250051004	2013	11	29	20	V	2.7	1	4.37	339
250051004	2013	11	29	21	V	2.7	0.8	3.2	10
250051004	2013	11	29	22	V	2.6	0.8	3.8	3
250051004	2013	11	29	23	V	2.6	0.8	3.81	12
250051004	2013	11	29	24	V	7.9	0.8	4.02	9
250051004	2013	11	30	1	V	9.4	0.9	2.79	6
250051004	2013	11	30	2	V	7.1	1.1	3.08	349
250051004	2013	11	30	3	V	9.1	0.9	3.42	342
250051004	2013	11	30	4	V	12.2	0.8	3.17	338
250051004	2013	11	30	5	V	10.4	0.8	3.98	336
250051004	2013	11	30	6	V	11.0	0.7	3.46	350
250051004	2013	11	30	7	V	11.3	0.9	2.98	337
250051004	2013	11	30	8	V	8.3	1.1	3.29	342
250051004	2013	11	30	9	V	8.2	1.2	3.63	354
250051004	2013	11	30	10	V	9.4	1.6	3.9	4
250051004	2013	11	30	11	V	7.6	1.7	3.13	23
250051004	2013	11	30	12	V	9.2	1.3	2.1	34
250051004	2013	11	30	13	V	7.7	0.6	2.03	109
250051004	2013	11	30	14	V	7.1	0.4	3.22	173
250051004	2013	11	30	15	V	4.1	0.4	3.25	159
250051004	2013	11	30	16	V	3.7	0.5	2.64	181
250051004	2013	11	30	17	V	3.0	0.7	1.47	193
250051004	2013	11	30	18	C	-999	0.9	0	0
250051004	2013	11	30	19	V	2.9	-999	1.18	28
250051004	2013	11	30	20	V	2.7	0.7	1.38	318
250051004	2013	11	30	21	V	2.7	0.8	1.5	345
250051004	2013	11	30	22	V	2.6	1.1	1.09	1
250051004	2013	11	30	23	V	2.6	1.2	1.28	359
250051004	2013	11	30	24	V	7.9	1.1	1.04	13
250051004	2013	12	1	1	V	4.1	1.2	0.96	39
250051004	2013	12	1	2	V	5.3	1.2	1.13	305
250051004	2013	12	1	3	V	4.8	1.3	0.91	349
250051004	2013	12	1	4	V	7.3	1.4	1.33	340
250051004	2013	12	1	5	V	8.0	1.3	1.33	28
250051004	2013	12	1	6	V	6.2	1.3	1.25	338
250051004	2013	12	1	7	V	9.3	1.1	1.62	359
250051004	2013	12	1	8	V	8.3	1.1	1.31	329
250051004	2013	12	1	9	V	7.2	1.3	1.79	327
250051004	2013	12	1	10	V	8.1	1.2	1.68	3
250051004	2013	12	1	11	V	36.1	1.1	1.87	330
250051004	2013	12	1	12	V	8.7	1.3	1.74	357
250051004	2013	12	1	13	V	11.8	1.3	1.67	347
250051004	2013	12	1	14	V	9.5	1.3	1.42	1
250051004	2013	12	1	15	V	8.0	1.3	2.76	351
250051004	2013	12	1	16	V	6.8	1.4	2.61	348

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	1	17	V	8.9	1.3	3.29	351
250051004	2013	12	1	18	V	5.8	1.4	3.95	343
250051004	2013	12	1	19	V	4.4	1.5	3.32	335
250051004	2013	12	1	20	V	4.4	1.5	3.76	329
250051004	2013	12	1	21	V	4.1	1.4	3.49	338
250051004	2013	12	1	22	V	3.6	1	2.96	337
250051004	2013	12	1	23	V	3.7	0.8	2.89	332
250051004	2013	12	1	24	V	4.8	1.6	2.78	343
250051004	2013	12	2	1	V	4.1	1.5	3.03	321
250051004	2013	12	2	2	V	5.3	-999	3.13	337
250051004	2013	12	2	3	V	4.8	-999	3.47	338
250051004	2013	12	2	4	V	7.3	-999	2.79	348
250051004	2013	12	2	5	V	8.0	1.5	2.3	325
250051004	2013	12	2	6	V	6.2	1.5	2.38	345
250051004	2013	12	2	7	V	9.3	2.3	1.98	354
250051004	2013	12	2	8	V	8.3	1.8	2.54	10
250051004	2013	12	2	9	V	7.2	2.1	2.04	329
250051004	2013	12	2	10	V	8.8	2.3	1.86	319
250051004	2013	12	2	11	V	8.6	2	2.38	353
250051004	2013	12	2	12	V	9.6	2.3	1.69	6
250051004	2013	12	2	13	V	13.2	4.1	1.43	358
250051004	2013	12	2	14	V	10.8	7.8	1.59	1
250051004	2013	12	2	15	V	8.1	5.5	1.84	35
250051004	2013	12	2	16	V	6.8	5.5	2.01	49
250051004	2013	12	2	17	V	8.9	3.3	1.74	64
250051004	2013	12	2	18	V	5.8	2.5	1.67	48
250051004	2013	12	2	19	V	4.4	2.4	2.28	26
250051004	2013	12	2	20	V	4.3	2.3	1.93	74
250051004	2013	12	2	21	V	4.1	2.2	2.52	98
250051004	2013	12	2	22	V	3.6	2.1	1.99	48
250051004	2013	12	2	23	V	3.7	1.8	2.33	16
250051004	2013	12	2	24	V	4.8	2.2	2.57	358
250051004	2013	12	3	1	V	4.1	2.3	2.74	354
250051004	2013	12	3	2	V	5.3	2.4	3.12	355
250051004	2013	12	3	3	V	4.8	2.1	3.13	332
250051004	2013	12	3	4	V	7.3	2	3.52	336
250051004	2013	12	3	5	V	8.0	2.1	3.85	351
250051004	2013	12	3	6	V	6.2	2	3.57	353
250051004	2013	12	3	7	V	9.3	2.4	3.32	345
250051004	2013	12	3	8	V	8.3	2.5	4.14	345
250051004	2013	12	3	9	V	8.0	2.5	3.22	340
250051004	2013	12	3	10	V	8.4	4.3	3.18	351
250051004	2013	12	3	11	V	8.6	3.3	4.31	1
250051004	2013	12	3	12	V	8.4	4.6	4.63	354
250051004	2013	12	3	13	V	8.8	3.5	4.61	347
250051004	2013	12	3	14	V	10.0	2.7	4.1	343

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	3	15	V	8.0	2.9	4.82	352
250051004	2013	12	3	16	V	6.8	3.3	4.05	348
250051004	2013	12	3	17	V	8.9	3.1	2.86	320
250051004	2013	12	3	18	V	5.8	3.2	2.71	290
250051004	2013	12	3	19	V	4.4	-999	2.71	291
250051004	2013	12	3	20	V	4.3	3.3	2.71	285
250051004	2013	12	3	21	V	4.1	3.1	2.69	294
250051004	2013	12	3	22	V	3.6	3	2.3	266
250051004	2013	12	3	23	V	3.7	2.9	2.18	263
250051004	2013	12	3	24	V	4.8	3.1	2.2	274
250051004	2013	12	4	1	V	4.1	3.2	1.96	258
250051004	2013	12	4	2	V	5.3	3.1	1.38	251
250051004	2013	12	4	3	V	4.8	3.3	1.71	262
250051004	2013	12	4	4	V	7.3	3.5	1.58	260
250051004	2013	12	4	5	V	8.0	3.1	2.25	288
250051004	2013	12	4	6	V	6.2	3.2	2.44	281
250051004	2013	12	4	7	V	9.3	3	2.42	287
250051004	2013	12	4	8	V	8.3	-999	1.26	273
250051004	2013	12	4	9	V	7.2	-999	1.45	20
250051004	2013	12	4	10	V	8.2	5.9	2.59	342
250051004	2013	12	4	11	V	9.1	5.1	2.79	349
250051004	2013	12	4	12	V	20.8	3.6	1.96	316
250051004	2013	12	4	13	V	9.2	2.8	1.59	228
250051004	2013	12	4	14	V	9.3	2.7	2.35	213
250051004	2013	12	4	15	V	8.0	2.2	3.07	149
250051004	2013	12	4	16	V	6.8	2.2	1.82	145
250051004	2013	12	4	17	V	8.9	2.1	1.28	184
250051004	2013	12	4	18	V	5.8	2.1	1.2	195
250051004	2013	12	4	19	V	4.4	1.9	0.79	122
250051004	2013	12	4	20	V	4.3	2.1	0.82	359
250051004	2013	12	4	21	V	4.1	2.1	0.99	292
250051004	2013	12	4	22	V	3.6	2	1.18	298
250051004	2013	12	4	23	V	3.7	1.6	1.31	271
250051004	2013	12	4	24	V	4.8	1.9	1.26	303
250051004	2013	12	5	1	V	4.1	1.8	1.28	275
250051004	2013	12	5	2	V	5.3	1.7	0.8	307
250051004	2013	12	5	3	V	4.8	1.8	0.97	296
250051004	2013	12	5	4	V	7.3	1.7	0.89	274
250051004	2013	12	5	5	V	8.0	1.7	1.13	347
250051004	2013	12	5	6	V	6.2	1.7	1.5	6
250051004	2013	12	5	7	V	9.3	1.9	2.18	17
250051004	2013	12	5	8	V	8.3	1.8	1.96	2
250051004	2013	12	5	9	V	7.2	2.1	1.79	19
250051004	2013	12	5	10	V	8.1	2.3	1.47	5
250051004	2013	12	5	11	V	8.8	2.2	1.37	355
250051004	2013	12	5	12	V	9.0	2.3	0.97	2

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	5	13	V	9.5	2.1	0.82	67
250051004	2013	12	5	14	V	9.4	2.1	1.65	156
250051004	2013	12	5	15	V	8.1	2.1	1.04	183
250051004	2013	12	5	16	V	6.8	2.2	0.74	129
250051004	2013	12	5	17	V	8.9	1.7	1.43	179
250051004	2013	12	5	18	V	5.8	1.4	2.2	177
250051004	2013	12	5	19	V	4.4	1.6	2.76	190
250051004	2013	12	5	20	V	4.3	1.5	2.25	169
250051004	2013	12	5	21	V	4.1	1.6	2.47	170
250051004	2013	12	5	22	V	3.6	1.6	3.08	165
250051004	2013	12	5	23	V	3.7	1.6	3.61	179
250051004	2013	12	5	24	V	4.8	1.7	4.19	211
250051004	2013	12	6	1	V	4.1	3	2.84	223
250051004	2013	12	6	2	V	5.3	5.7	2.28	183
250051004	2013	12	6	3	V	4.8	4.2	2.49	160
250051004	2013	12	6	4	V	7.3	9.4	3.1	194
250051004	2013	12	6	5	V	8.0	7.3	3.13	196
250051004	2013	12	6	6	V	6.2	9.2	3.74	215
250051004	2013	12	6	7	V	9.3	7.3	3.05	211
250051004	2013	12	6	8	V	8.3	6.9	2.91	247
250051004	2013	12	6	9	V	7.2	3.8	3.42	272
250051004	2013	12	6	10	V	8.5	2.6	4.17	332
250051004	2013	12	6	11	V	9.5	2.1	2.44	330
250051004	2013	12	6	12	V	9.0	2.2	4.41	318
250051004	2013	12	6	13	V	10.0	1.9	4.24	322
250051004	2013	12	6	14	V	9.6	2.1	4.15	318
250051004	2013	12	6	15	V	8.3	2.4	2.78	322
250051004	2013	12	6	16	V	6.8	1.6	2.78	303
250051004	2013	12	6	17	V	8.9	1.7	2.93	321
250051004	2013	12	6	18	V	5.8	1.8	3.32	328
250051004	2013	12	6	19	V	4.5	-999	3.44	328
250051004	2013	12	6	20	V	4.3	1.6	3.68	331
250051004	2013	12	6	21	V	4.1	1.5	3.51	326
250051004	2013	12	6	22	V	3.7	1.5	4.9	330
250051004	2013	12	6	23	V	3.7	1.4	4.32	18
250051004	2013	12	6	24	V	4.8	1.4	5.27	356
250051004	2013	12	7	1	V	4.1	1.4	4.99	352
250051004	2013	12	7	2	V	5.3	1.5	5.05	360
250051004	2013	12	7	3	V	4.8	1.7	4.68	3
250051004	2013	12	7	4	V	7.3	1.6	4.7	348
250051004	2013	12	7	5	V	8.0	1.5	3.12	354
250051004	2013	12	7	6	V	6.2	1.6	3.05	346
250051004	2013	12	7	7	V	9.3	1.4	3.44	340
250051004	2013	12	7	8	V	8.3	1.5	2.83	334
250051004	2013	12	7	9	V	7.7	2	2.95	321
250051004	2013	12	7	10	V	12.3	2.2	4.19	326

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	7	11	V	14.7	1.5	5.33	331
250051004	2013	12	7	12	V	16.8	2.6	5.99	323
250051004	2013	12	7	13	V	8.9	2	6.16	309
250051004	2013	12	7	14	V	9.3	1.5	6.11	308
250051004	2013	12	7	15	V	8.0	1.8	5.84	308
250051004	2013	12	7	16	V	6.8	1.6	5.56	317
250051004	2013	12	7	17	V	8.9	2.4	4.22	308
250051004	2013	12	7	18	V	5.8	1.2	3.18	300
250051004	2013	12	7	19	V	4.4	1.3	2.18	273
250051004	2013	12	7	20	V	4.3	1.4	2.16	273
250051004	2013	12	7	21	V	4.1	1.5	2.54	288
250051004	2013	12	7	22	V	3.6	1.4	2.71	294
250051004	2013	12	7	23	V	3.7	1.5	2.96	298
250051004	2013	12	7	24	V	4.8	1.3	2.66	293
250051004	2013	12	8	1	V	4.1	1.2	2.35	298
250051004	2013	12	8	2	V	5.3	1.3	2.59	305
250051004	2013	12	8	3	V	4.8	1.4	2.71	310
250051004	2013	12	8	4	V	7.3	1.5	1.98	285
250051004	2013	12	8	5	V	8.0	1.6	2.27	293
250051004	2013	12	8	6	V	6.2	1.4	2.32	266
250051004	2013	12	8	7	V	9.3	1.3	2.23	283
250051004	2013	12	8	8	V	8.3	1.5	1.99	272
250051004	2013	12	8	9	V	7.2	0.8	1.57	291
250051004	2013	12	8	10	V	19.0	1.5	1.54	330
250051004	2013	12	8	11	V	9.4	1.1	2.3	355
250051004	2013	12	8	12	V	8.4	1	3.05	4
250051004	2013	12	8	13	V	8.8	1.1	2.71	353
250051004	2013	12	8	14	V	9.3	0.9	2.81	1
250051004	2013	12	8	15	V	8.0	1	2.72	20
250051004	2013	12	8	16	V	6.8	1	1.5	75
250051004	2013	12	8	17	V	8.9	1.2	1.23	58
250051004	2013	12	8	18	V	5.8	1.4	1.65	65
250051004	2013	12	8	19	V	4.4	1.4	2.15	65
250051004	2013	12	8	20	V	4.3	1.5	2.71	53
250051004	2013	12	8	21	V	4.1	1.4	3.25	62
250051004	2013	12	8	22	V	3.6	1.3	2.84	61
250051004	2013	12	8	23	V	3.7	1.3	3.57	57
250051004	2013	12	8	24	V	4.8	1.7	4.26	40
250051004	2013	12	9	1	V	4.1	1.9	4.6	32
250051004	2013	12	9	2	V	5.3	1.5	4.27	34
250051004	2013	12	9	3	V	4.8	1.4	3.52	21
250051004	2013	12	9	4	V	7.3	1.3	3.42	24
250051004	2013	12	9	5	V	8.0	1.1	3.66	28
250051004	2013	12	9	6	V	6.2	1.3	3.91	43
250051004	2013	12	9	7	V	9.3	1	3.47	43
250051004	2013	12	9	8	V	8.3	1.5	4.07	64

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	9	9	V	7.2	1.5	4.49	70
250051004	2013	12	9	10	V	8.1	1.8	3.32	37
250051004	2013	12	9	11	V	8.6	2	3.86	20
250051004	2013	12	9	12	V	8.4	1.9	3.96	38
250051004	2013	12	9	13	V	8.8	1.8	3.74	36
250051004	2013	12	9	14	V	9.3	2.1	3.2	34
250051004	2013	12	9	15	V	8.0	2.1	3.57	8
250051004	2013	12	9	16	V	6.8	2.1	3.34	351
250051004	2013	12	9	17	V	9.0	2	3.29	329
250051004	2013	12	9	18	V	5.8	2	2.15	274
250051004	2013	12	9	19	V	4.4	-999	2.86	262
250051004	2013	12	9	20	V	4.3	2	1.84	258
250051004	2013	12	9	21	V	4.1	1.8	2.62	268
250051004	2013	12	9	22	V	3.6	1.9	4.9	274
250051004	2013	12	9	23	V	3.7	2	4.51	265
250051004	2013	12	9	24	V	4.8	2	3.76	256
250051004	2013	12	10	1	V	4.1	1.9	2.69	245
250051004	2013	12	10	2	V	5.3	1.9	2.54	229
250051004	2013	12	10	3	V	4.8	2	3.12	209
250051004	2013	12	10	4	V	7.3	2	2.08	226
250051004	2013	12	10	5	V	8.0	3.1	1.86	229
250051004	2013	12	10	6	V	6.2	2.3	2.84	254
250051004	2013	12	10	7	V	9.3	2.4	2.35	282
250051004	2013	12	10	8	V	8.3	2.6	2.66	279
250051004	2013	12	10	9	V	7.2	2.6	3.27	291
250051004	2013	12	10	10	V	8.1	3.5	2.57	291
250051004	2013	12	10	11	V	8.6	2.5	1.91	237
250051004	2013	12	10	12	V	8.4	2.1	1.67	200
250051004	2013	12	10	13	V	8.8	2.4	2.59	286
250051004	2013	12	10	14	V	10.0	2.5	2.78	317
250051004	2013	12	10	15	V	8.0	2.5	2.27	302
250051004	2013	12	10	16	V	6.8	2.5	3	283
250051004	2013	12	10	17	V	8.9	2.2	3.01	267
250051004	2013	12	10	18	V	5.8	2.4	2.52	274
250051004	2013	12	10	19	V	4.4	2.2	2.79	285
250051004	2013	12	10	20	V	4.3	2.4	4.85	303
250051004	2013	12	10	21	V	4.1	2.7	4.81	292
250051004	2013	12	10	22	V	3.6	2.4	4.56	283
250051004	2013	12	10	23	V	3.7	2.3	4.12	274
250051004	2013	12	10	24	V	4.8	2.3	2.95	271
250051004	2013	12	11	1	V	4.1	2.4	2.39	239
250051004	2013	12	11	2	V	5.3	2.2	2.13	227
250051004	2013	12	11	3	V	4.8	2.1	3.54	227
250051004	2013	12	11	4	V	7.3	2.1	3.88	246
250051004	2013	12	11	5	V	8.0	2.1	3.2	244
250051004	2013	12	11	6	V	6.2	2.2	3.51	221

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	11	7	V	9.3	2.2	3.3	248
250051004	2013	12	11	8	V	8.3	2.3	3.49	239
250051004	2013	12	11	9	V	7.2	2.4	4.65	238
250051004	2013	12	11	10	V	8.2	2.4	5.56	251
250051004	2013	12	11	11	V	8.6	2.4	5.36	243
250051004	2013	12	11	12	V	8.5	2.8	5.73	236
250051004	2013	12	11	13	V	8.8	2.3	6.26	241
250051004	2013	12	11	14	V	9.3	2.3	6.48	234
250051004	2013	12	11	15	V	8.0	2.4	5.26	245
250051004	2013	12	11	16	V	6.8	2.5	5.34	239
250051004	2013	12	11	17	V	8.9	2.8	4.32	245
250051004	2013	12	11	18	V	5.8	2.6	3.58	243
250051004	2013	12	11	19	V	4.4	2.4	4.1	257
250051004	2013	12	11	20	V	4.3	2.4	3.4	247
250051004	2013	12	11	21	V	4.1	2.3	3.3	233
250051004	2013	12	11	22	V	3.6	2.7	2.81	237
250051004	2013	12	11	23	V	3.7	3.6	3.66	249
250051004	2013	12	11	24	V	4.8	4.9	5.02	259
250051004	2013	12	12	1	V	4.1	4.6	5.33	273
250051004	2013	12	12	2	V	5.3	3.9	5.48	288
250051004	2013	12	12	3	V	4.8	2.9	5.04	293
250051004	2013	12	12	4	V	7.3	2.5	4.19	291
250051004	2013	12	12	5	V	8.0	2.3	4.54	300
250051004	2013	12	12	6	V	6.2	5.2	3.52	310
250051004	2013	12	12	7	V	9.3	6.4	3.32	303
250051004	2013	12	12	8	V	8.3	3.5	3.35	304
250051004	2013	12	12	9	V	7.2	3.6	5.14	309
250051004	2013	12	12	10	V	23.8	5	5.77	323
250051004	2013	12	12	11	V	14.9	8.7	5.99	337
250051004	2013	12	12	12	V	28.4	5	5.58	325
250051004	2013	12	12	13	V	9.9	4.7	5.53	310
250051004	2013	12	12	14	V	23.2	5.4	4.7	321
250051004	2013	12	12	15	V	8.7	2.5	4.94	311
250051004	2013	12	12	16	V	6.8	1.6	4.6	314
250051004	2013	12	12	17	V	8.9	2.1	2.77	293
250051004	2013	12	12	18	V	5.8	2.2	3.1	262
250051004	2013	12	12	19	V	4.4	-999	2.66	257
250051004	2013	12	12	20	V	4.3	1.8	2.03	245
250051004	2013	12	12	21	V	4.1	2.1	1.09	160
250051004	2013	12	12	22	V	3.6	1.9	1.54	189
250051004	2013	12	12	23	V	3.7	1.9	1.77	223
250051004	2013	12	12	24	V	4.8	2.4	4.61	251
250051004	2013	12	13	1	V	4.1	3.2	5.46	248
250051004	2013	12	13	2	V	5.3	3.8	6.14	253
250051004	2013	12	13	3	V	4.8	3.9	5.53	254
250051004	2013	12	13	4	V	7.3	3.8	4.73	254

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	13	5	V	8.0	3.7	4.53	249
250051004	2013	12	13	6	V	6.2	3.4	3.13	231
250051004	2013	12	13	7	V	9.3	3.8	4.27	237
250051004	2013	12	13	8	V	8.3	4.9	4.68	239
250051004	2013	12	13	9	V	7.2	4.5	5.62	243
250051004	2013	12	13	10	V	8.1	4	6.94	248
250051004	2013	12	13	11	V	8.6	3.7	6.77	248
250051004	2013	12	13	12	V	8.5	3.6	6.19	259
250051004	2013	12	13	13	V	8.8	3.4	7.4	267
250051004	2013	12	13	14	V	9.3	3.2	6.06	273
250051004	2013	12	13	15	V	8.0	3	6.91	277
250051004	2013	12	13	16	V	6.8	3.1	6.41	273
250051004	2013	12	13	17	V	8.9	2.8	3.86	280
250051004	2013	12	13	18	V	5.8	2.7	2.11	278
250051004	2013	12	13	19	V	4.4	3	1.14	275
250051004	2013	12	13	20	V	4.3	3	1.88	297
250051004	2013	12	13	21	V	4.1	2.4	1.31	277
250051004	2013	12	13	22	V	3.6	2	1.84	269
250051004	2013	12	13	23	V	3.7	2.3	2.72	301
250051004	2013	12	13	24	V	4.8	2.1	3.8	324
250051004	2013	12	14	1	V	4.1	1.8	4.37	335
250051004	2013	12	14	2	V	5.3	2	4.65	357
250051004	2013	12	14	3	V	4.8	4.5	6.18	16
250051004	2013	12	14	4	V	7.3	1.7	5.55	19
250051004	2013	12	14	5	V	8.0	1.4	5.04	3
250051004	2013	12	14	6	V	6.2	1.5	5.53	6
250051004	2013	12	14	7	V	9.3	1.5	5.84	8
250051004	2013	12	14	8	V	8.3	1.5	4.82	3
250051004	2013	12	14	9	V	7.2	1.8	4.7	14
250051004	2013	12	14	10	V	8.1	2.7	5.34	17
250051004	2013	12	14	11	V	8.6	4.3	5.39	22
250051004	2013	12	14	12	V	8.4	2.4	4.19	19
250051004	2013	12	14	13	V	8.8	2	3.83	24
250051004	2013	12	14	14	V	9.3	2.2	4.73	24
250051004	2013	12	14	15	V	8.0	2.2	5.11	25
250051004	2013	12	14	16	V	6.8	2.3	4.75	26
250051004	2013	12	14	17	V	8.9	2.2	3.9	28
250051004	2013	12	14	18	V	5.8	2.1	3.92	23
250051004	2013	12	14	19	V	4.4	1.8	3.93	28
250051004	2013	12	14	20	V	4.3	1.6	4.39	34
250051004	2013	12	14	21	V	4.1	1.5	4.46	43
250051004	2013	12	14	22	V	3.6	1.5	4.02	50
250051004	2013	12	14	23	V	3.7	1.7	5.56	62
250051004	2013	12	14	24	V	4.8	1.8	5.75	74
250051004	2013	12	15	1	V	4.1	2.1	5.7	67
250051004	2013	12	15	2	V	5.3	2.4	5.34	60

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	15	3	V	4.8	2.2	5.51	51
250051004	2013	12	15	4	V	7.3	2.4	6.29	36
250051004	2013	12	15	5	V	8.0	2.8	5.97	27
250051004	2013	12	15	6	V	6.2	2.9	6.58	359
250051004	2013	12	15	7	V	9.3	2.7	7.26	358
250051004	2013	12	15	8	V	8.3	3	5.53	360
250051004	2013	12	15	9	V	7.8	3	4.53	329
250051004	2013	12	15	10	V	12.8	3.8	5.5	321
250051004	2013	12	15	11	V	14.0	5.4	5.46	321
250051004	2013	12	15	12	V	12.0	4.9	4.99	320
250051004	2013	12	15	13	V	11.6	5.7	4.94	319
250051004	2013	12	15	14	V	9.5	4.8	3.86	314
250051004	2013	12	15	15	V	8.0	3.8	5.51	295
250051004	2013	12	15	16	V	6.8	3.2	4.53	291
250051004	2013	12	15	17	V	8.9	2.9	5.02	279
250051004	2013	12	15	18	V	5.8	2.9	4.88	284
250051004	2013	12	15	19	V	4.4	-999	4.53	289
250051004	2013	12	15	20	V	4.3	2.8	2.08	265
250051004	2013	12	15	21	V	4.1	3	2.89	267
250051004	2013	12	15	22	V	3.6	3.3	2.49	239
250051004	2013	12	15	23	V	3.7	3.3	2.18	228
250051004	2013	12	15	24	V	4.8	3.5	1.79	218
250051004	2013	12	16	1	V	4.1	3	0.87	221
250051004	2013	12	16	2	V	5.3	-999	1.5	238
250051004	2013	12	16	3	V	4.8	-999	3.47	254
250051004	2013	12	16	4	V	7.3	-999	3.56	242
250051004	2013	12	16	5	V	8.0	3.7	2.89	254
250051004	2013	12	16	6	V	6.2	4.1	3.73	301
250051004	2013	12	16	7	V	9.3	3.9	5.43	297
250051004	2013	12	16	8	V	8.3	3.4	5.73	296
250051004	2013	12	16	9	V	7.2	2.6	6.51	291
250051004	2013	12	16	10	V	8.1	2.9	5.84	293
250051004	2013	12	16	11	V	8.6	2.8	6.46	286
250051004	2013	12	16	12	V	8.5	2.8	6.52	291
250051004	2013	12	16	13	V	8.8	3.1	6.3	299
250051004	2013	12	16	14	V	10.1	3.8	5.67	311
250051004	2013	12	16	15	V	8.0	2.8	4.97	292
250051004	2013	12	16	16	V	6.8	2.4	4.87	299
250051004	2013	12	16	17	V	8.9	2.6	3.18	296
250051004	2013	12	16	18	V	5.8	2.7	3.29	284
250051004	2013	12	16	19	V	4.4	3	1.86	269
250051004	2013	12	16	20	V	4.3	2.4	2.3	255
250051004	2013	12	16	21	V	4.1	2.6	1.74	249
250051004	2013	12	16	22	V	3.6	2.6	1.69	244
250051004	2013	12	16	23	V	3.7	2.7	1.28	244
250051004	2013	12	16	24	V	4.8	2.6	1.43	215

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	17	1	V	4.1	2.7	1.7	247
250051004	2013	12	17	2	V	5.3	2.8	2.03	272
250051004	2013	12	17	3	V	4.8	3	1.97	258
250051004	2013	12	17	4	V	7.3	2.6	1.1	262
250051004	2013	12	17	5	V	8.0	3.4	1.35	273
250051004	2013	12	17	6	V	6.2	3	1.37	324
250051004	2013	12	17	7	V	9.3	3.2	1.71	294
250051004	2013	12	17	8	V	8.3	3.2	2.13	336
250051004	2013	12	17	9	V	7.2	3.2	1.48	356
250051004	2013	12	17	10	V	8.1	3.3	2.15	40
250051004	2013	12	17	11	V	8.6	2.9	3.13	44
250051004	2013	12	17	12	V	8.4	2.7	3.41	45
250051004	2013	12	17	13	V	8.8	2.9	4.09	45
250051004	2013	12	17	14	V	9.3	2.9	4.39	47
250051004	2013	12	17	15	V	8.0	2.7	4.1	48
250051004	2013	12	17	16	V	6.8	2.5	4.53	44
250051004	2013	12	17	17	V	8.9	2.5	4.97	26
250051004	2013	12	17	18	V	5.8	2.4	5.08	10
250051004	2013	12	17	19	V	4.4	2.7	5.34	345
250051004	2013	12	17	20	V	4.3	2.6	6.53	344
250051004	2013	12	17	21	V	4.1	3.3	6.04	343
250051004	2013	12	17	22	V	3.6	4.5	6.67	352
250051004	2013	12	17	23	V	3.7	5	5.5	349
250051004	2013	12	17	24	V	4.8	5.4	5.68	356
250051004	2013	12	18	1	V	4.1	4.9	6.45	5
250051004	2013	12	18	2	V	5.3	3.4	6.09	359
250051004	2013	12	18	3	V	4.8	3.7	5.92	358
250051004	2013	12	18	4	V	7.3	3.5	5.44	343
250051004	2013	12	18	5	V	8.1	3.3	4.75	330
250051004	2013	12	18	6	V	6.3	4.4	4.6	332
250051004	2013	12	18	7	V	9.3	6.3	3.86	345
250051004	2013	12	18	8	V	8.3	5.1	3.36	321
250051004	2013	12	18	9	V	7.8	8.2	4.08	336
250051004	2013	12	18	10	V	8.9	8	4.58	313
250051004	2013	12	18	11	V	9.0	5.7	5.9	310
250051004	2013	12	18	12	V	13.5	3.8	5.89	316
250051004	2013	12	18	13	V	10.3	4.6	5.6	312
250051004	2013	12	18	14	V	9.5	3.9	5.87	308
250051004	2013	12	18	15	V	8.0	3.4	6.15	297
250051004	2013	12	18	16	V	6.8	3.1	5.96	290
250051004	2013	12	18	17	V	8.9	3.1	4.24	283
250051004	2013	12	18	18	V	5.8	3	4.48	269
250051004	2013	12	18	19	V	4.4	-999	3.98	245
250051004	2013	12	18	20	V	4.3	2.9	2.96	231
250051004	2013	12	18	21	V	4.1	2.9	3.94	253
250051004	2013	12	18	22	V	3.6	2.5	4.09	242

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	18	23	V	3.7	1.3	4.39	249
250051004	2013	12	18	24	V	4.8	2.2	4.49	247
250051004	2013	12	19	1	V	4.1	2.6	3.83	248
250051004	2013	12	19	2	V	5.3	2.9	4.02	260
250051004	2013	12	19	3	V	4.8	2.7	3.66	257
250051004	2013	12	19	4	V	7.3	2.9	4.08	255
250051004	2013	12	19	5	V	8.0	3	4.14	254
250051004	2013	12	19	6	V	6.2	3.7	3.05	240
250051004	2013	12	19	7	V	9.3	3.8	3	219
250051004	2013	12	19	8	V	8.3	5	4.31	226
250051004	2013	12	19	9	V	7.2	4	4.63	230
250051004	2013	12	19	10	V	8.1	4.7	5.82	227
250051004	2013	12	19	11	V	8.6	4.6	5.55	219
250051004	2013	12	19	12	V	8.5	5.1	5.82	220
250051004	2013	12	19	13	V	8.8	5.2	7.74	227
250051004	2013	12	19	14	V	9.3	3.3	6.92	236
250051004	2013	12	19	15	V	8.0	2.5	5.27	237
250051004	2013	12	19	16	V	6.8	2.8	4.19	233
250051004	2013	12	19	17	V	8.9	3.1	2.7	228
250051004	2013	12	19	18	V	5.8	3.3	2.52	219
250051004	2013	12	19	19	V	4.4	3.3	2.84	239
250051004	2013	12	19	20	V	4.3	3.4	2.74	220
250051004	2013	12	19	21	V	4.1	4	2.84	225
250051004	2013	12	19	22	V	3.6	4	3.57	246
250051004	2013	12	19	23	V	3.7	4.1	3.56	258
250051004	2013	12	19	24	V	4.8	4.4	3.1	258
250051004	2013	12	20	1	V	4.1	4.5	1.72	245
250051004	2013	12	20	2	V	5.3	4.9	1.42	156
250051004	2013	12	20	3	V	4.8	4.2	0.94	104
250051004	2013	12	20	4	V	7.3	3.5	0.77	230
250051004	2013	12	20	5	V	8.0	4.3	0.87	248
250051004	2013	12	20	6	V	6.2	4.1	0.82	347
250051004	2013	12	20	7	C	-999	4	0	0
250051004	2013	12	20	8	V	8.3	4.2	1.76	251
250051004	2013	12	20	9	C	-999	4.5	0	0
250051004	2013	12	20	10	C	-999	5.9	0	0
250051004	2013	12	20	11	V	8.7	8.6	3.36	196
250051004	2013	12	20	12	V	8.5	7.5	4.86	203
250051004	2013	12	20	13	V	8.8	11.1	3.86	189
250051004	2013	12	20	14	V	9.3	9.4	4.86	202
250051004	2013	12	20	15	V	8.0	7.8	1.76	198
250051004	2013	12	20	16	V	6.8	2.9	2.53	199
250051004	2013	12	20	17	V	8.9	2.8	3.54	204
250051004	2013	12	20	18	V	5.8	2.6	2.79	198
250051004	2013	12	20	19	V	4.4	2.7	1.75	176
250051004	2013	12	20	20	V	4.3	2.8	1.7	181

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	20	21	V	4.1	2.4	2.52	227
250051004	2013	12	20	22	V	3.6	2.5	2.08	180
250051004	2013	12	20	23	V	3.7	2.5	1.67	196
250051004	2013	12	20	24	V	4.8	2.4	2.1	207
250051004	2013	12	21	1	V	4.1	2.4	1.89	170
250051004	2013	12	21	2	V	5.3	2.3	2.71	170
250051004	2013	12	21	3	V	4.8	2.1	2.59	177
250051004	2013	12	21	4	V	7.3	2.2	1.71	169
250051004	2013	12	21	5	V	8.0	2.1	2.93	191
250051004	2013	12	21	6	V	6.2	2.2	3.46	174
250051004	2013	12	21	7	V	9.3	2.4	2.64	178
250051004	2013	12	21	8	V	8.3	2.3	3.42	186
250051004	2013	12	21	9	V	7.2	2.4	2.84	198
250051004	2013	12	21	10	V	8.1	2.6	3.01	214
250051004	2013	12	21	11	V	8.6	2.4	2.95	217
250051004	2013	12	21	12	V	8.4	2.6	3.61	214
250051004	2013	12	21	13	V	8.8	2.7	4.87	194
250051004	2013	12	21	14	V	9.3	2.5	5.11	187
250051004	2013	12	21	15	V	8.0	2.4	5.68	183
250051004	2013	12	21	16	V	6.8	2.3	4.38	201
250051004	2013	12	21	17	V	8.9	2.2	4.15	203
250051004	2013	12	21	18	V	5.8	1.9	4.1	212
250051004	2013	12	21	19	V	4.4	-999	2.81	201
250051004	2013	12	21	20	V	4.3	2.5	2.91	207
250051004	2013	12	21	21	V	4.1	2.2	3.18	172
250051004	2013	12	21	22	V	3.6	2.2	3.54	189
250051004	2013	12	21	23	V	3.7	2.2	4.14	213
250051004	2013	12	21	24	V	4.8	2.1	6.28	219
250051004	2013	12	22	1	V	4.1	2.2	4.99	208
250051004	2013	12	22	2	V	5.3	2	6.23	220
250051004	2013	12	22	3	V	4.8	2.1	6.87	226
250051004	2013	12	22	4	V	7.3	2.1	6.63	219
250051004	2013	12	22	5	V	8.0	2	6.38	213
250051004	2013	12	22	6	V	6.2	2.1	6.02	206
250051004	2013	12	22	7	V	9.3	2.1	7.4	211
250051004	2013	12	22	8	V	8.3	2.2	7.98	220
250051004	2013	12	22	9	V	7.2	2.1	8.5	221
250051004	2013	12	22	10	V	8.1	2	8.71	225
250051004	2013	12	22	11	V	8.6	1.8	8.5	220
250051004	2013	12	22	12	V	8.4	2	8.16	222
250051004	2013	12	22	13	V	8.8	2.3	6.64	231
250051004	2013	12	22	14	V	9.3	10.3	6.58	227
250051004	2013	12	22	15	V	8.0	4.4	5.11	212
250051004	2013	12	22	16	V	6.8	2.4	4.87	199
250051004	2013	12	22	17	V	8.9	2.4	5.63	174
250051004	2013	12	22	18	V	5.8	2.3	5.26	216

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	22	19	V	4.4	2.1	3.08	273
250051004	2013	12	22	20	V	4.3	2.3	1.91	3
250051004	2013	12	22	21	V	4.1	2.1	2.13	42
250051004	2013	12	22	22	V	3.6	2.1	3.23	24
250051004	2013	12	22	23	V	3.7	2.1	2.49	24
250051004	2013	12	22	24	V	4.8	2.1	2.78	23
250051004	2013	12	23	1	V	4.1	2.1	3.13	19
250051004	2013	12	23	2	V	5.3	1.9	3.64	11
250051004	2013	12	23	3	V	4.8	1.8	3.63	16
250051004	2013	12	23	4	V	7.3	1.8	3.78	14
250051004	2013	12	23	5	V	8.0	1.7	2.98	7
250051004	2013	12	23	6	V	6.2	2	4.14	11
250051004	2013	12	23	7	V	9.3	1.7	4.22	16
250051004	2013	12	23	8	V	8.3	1.8	3.15	15
250051004	2013	12	23	9	V	7.2	1.9	3.06	10
250051004	2013	12	23	10	V	8.1	1.7	2.74	16
250051004	2013	12	23	11	V	8.6	1.9	1.86	7
250051004	2013	12	23	12	V	8.6	2	0.69	182
250051004	2013	12	23	13	V	8.8	2.2	3.1	25
250051004	2013	12	23	14	V	9.3	2.4	4.58	10
250051004	2013	12	23	15	V	8.0	2.1	6.04	351
250051004	2013	12	23	16	V	6.8	2.1	3.64	9
250051004	2013	12	23	17	V	8.9	2	2.55	52
250051004	2013	12	23	18	V	5.8	2.2	1.84	325
250051004	2013	12	23	19	V	4.4	2.1	1.09	258
250051004	2013	12	23	20	V	4.3	2	1.42	280
250051004	2013	12	23	21	V	4.1	2	2.23	315
250051004	2013	12	23	22	V	3.6	2.1	1.96	327
250051004	2013	12	23	23	V	3.7	2.3	2.86	321
250051004	2013	12	23	24	V	4.8	2.8	3.42	323
250051004	2013	12	24	1	V	4.1	2.6	5	319
250051004	2013	12	24	2	V	5.4	2.4	4.68	329
250051004	2013	12	24	3	V	4.8	2.1	4.71	342
250051004	2013	12	24	4	V	7.3	2.1	5	340
250051004	2013	12	24	5	V	8.0	2	4.66	339
250051004	2013	12	24	6	V	6.2	1.9	4.24	343
250051004	2013	12	24	7	V	9.3	2	4.14	347
250051004	2013	12	24	8	V	8.3	2	5.14	344
250051004	2013	12	24	9	V	7.6	2.4	5.17	338
250051004	2013	12	24	10	V	8.5	2.3	5.78	341
250051004	2013	12	24	11	V	8.8	2.2	5.56	344
250051004	2013	12	24	12	V	9.0	2.2	3.85	346
250051004	2013	12	24	13	V	12.6	2.3	5.21	336
250051004	2013	12	24	14	V	9.4	2.5	5.92	345
250051004	2013	12	24	15	V	8.0	2.1	5.43	348
250051004	2013	12	24	16	V	6.8	2.2	5.17	347

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	24	17	V	8.9	2.2	4.32	344
250051004	2013	12	24	18	V	5.8	2.2	3.49	316
250051004	2013	12	24	19	V	4.6	-999	4.9	324
250051004	2013	12	24	20	V	4.4	3.4	3.76	327
250051004	2013	12	24	21	V	4.1	2.5	3.2	299
250051004	2013	12	24	22	V	3.6	3.4	4.19	298
250051004	2013	12	24	23	V	3.7	2.2	4.27	297
250051004	2013	12	24	24	V	4.8	2.2	4.66	294
250051004	2013	12	25	1	V	4.1	2.3	5.34	292
250051004	2013	12	25	2	V	5.3	2.2	7.04	290
250051004	2013	12	25	3	V	4.8	1.6	6.21	296
250051004	2013	12	25	4	V	7.3	1.7	6.72	296
250051004	2013	12	25	5	V	8.0	1.8	5.96	303
250051004	2013	12	25	6	V	6.2	1.8	5.33	303
250051004	2013	12	25	7	V	9.3	1.5	4.88	311
250051004	2013	12	25	8	V	8.3	2.9	4.85	317
250051004	2013	12	25	9	V	10.4	3.2	5.87	334
250051004	2013	12	25	10	V	8.2	1.7	6.69	345
250051004	2013	12	25	11	V	8.6	1.7	6.24	354
250051004	2013	12	25	12	V	11.2	1.6	4.83	341
250051004	2013	12	25	13	V	8.8	1.4	4.54	359
250051004	2013	12	25	14	V	9.3	1.5	3.63	13
250051004	2013	12	25	15	V	8.0	1.3	3.12	2
250051004	2013	12	25	16	V	6.8	1.3	2.18	45
250051004	2013	12	25	17	V	8.9	1.5	2.3	77
250051004	2013	12	25	18	V	5.8	1.6	1.96	61
250051004	2013	12	25	19	V	4.4	1.4	2.08	58
250051004	2013	12	25	20	V	4.3	1.5	1.79	81
250051004	2013	12	25	21	V	4.1	1.9	1.94	98
250051004	2013	12	25	22	V	3.6	2.5	1.14	92
250051004	2013	12	25	23	V	3.7	2.3	1.01	40
250051004	2013	12	25	24	V	4.8	2	0.96	33
250051004	2013	12	26	1	V	4.1	2.8	2.32	33
250051004	2013	12	26	2	V	5.3	2.1	2.37	34
250051004	2013	12	26	3	V	4.8	1.6	2.39	55
250051004	2013	12	26	4	V	7.3	1.8	2.23	31
250051004	2013	12	26	5	V	8.0	1.7	2.79	7
250051004	2013	12	26	6	V	6.2	1.8	2.32	13
250051004	2013	12	26	7	V	9.3	2	2.44	359
250051004	2013	12	26	8	V	8.3	2	1.93	341
250051004	2013	12	26	9	V	7.2	2.1	1.59	346
250051004	2013	12	26	10	V	8.1	3.1	1.76	346
250051004	2013	12	26	11	V	8.6	3.3	2.08	360
250051004	2013	12	26	12	V	8.6	2.7	1.86	13
250051004	2013	12	26	13	V	9.2	2.2	1.33	29
250051004	2013	12	26	14	V	10.5	2.1	0.82	154

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	26	15	V	8.0	2	3.22	277
250051004	2013	12	26	16	V	6.8	2	3	271
250051004	2013	12	26	17	V	8.9	2.3	5.33	263
250051004	2013	12	26	18	V	5.8	2.4	5.68	264
250051004	2013	12	26	19	V	4.4	2.4	4.99	267
250051004	2013	12	26	20	V	4.3	2.4	2.57	261
250051004	2013	12	26	21	V	4.1	2.6	3.46	242
250051004	2013	12	26	22	V	3.6	2.5	3.71	261
250051004	2013	12	26	23	V	3.7	2.6	3.27	250
250051004	2013	12	26	24	V	4.8	2.6	3.2	271
250051004	2013	12	27	1	V	4.1	2.7	4.19	252
250051004	2013	12	27	2	V	5.3	2.6	4.54	260
250051004	2013	12	27	3	V	4.8	2.7	4.58	261
250051004	2013	12	27	4	V	7.3	2.7	4.03	259
250051004	2013	12	27	5	V	8.0	2.6	3.46	262
250051004	2013	12	27	6	V	6.2	3.1	4.24	262
250051004	2013	12	27	7	V	9.3	2.8	4.2	261
250051004	2013	12	27	8	V	8.3	3.1	3.61	263
250051004	2013	12	27	9	V	7.2	3.3	3.27	270
250051004	2013	12	27	10	V	8.1	3.4	4.15	274
250051004	2013	12	27	11	V	8.6	2.8	4.75	288
250051004	2013	12	27	12	V	8.5	2.5	5.75	285
250051004	2013	12	27	13	V	8.8	2.1	4.83	279
250051004	2013	12	27	14	V	9.3	2.1	4.24	267
250051004	2013	12	27	15	V	8.0	2.1	4.17	257
250051004	2013	12	27	16	V	6.8	2	3.66	264
250051004	2013	12	27	17	V	8.9	2.3	3.34	260
250051004	2013	12	27	18	V	5.8	2.6	2.25	250
250051004	2013	12	27	19	V	4.4	-999	1.82	261
250051004	2013	12	27	20	V	4.3	2.5	1.87	252
250051004	2013	12	27	21	V	4.1	2.6	1.76	241
250051004	2013	12	27	22	V	3.6	3	1.84	241
250051004	2013	12	27	23	V	3.7	3.3	1.62	227
250051004	2013	12	27	24	V	4.8	3.7	2.27	218
250051004	2013	12	28	1	V	4.1	4.2	2.28	198
250051004	2013	12	28	2	V	5.3	4.5	2.64	180
250051004	2013	12	28	3	V	4.8	6.2	2.45	165
250051004	2013	12	28	4	V	7.3	4.9	2.44	183
250051004	2013	12	28	5	V	8.0	4.8	2.76	177
250051004	2013	12	28	6	V	6.2	8.6	2.84	166
250051004	2013	12	28	7	V	9.3	9.4	2.54	170
250051004	2013	12	28	8	V	8.3	12.8	3	208
250051004	2013	12	28	9	V	7.2	8.3	4.56	232
250051004	2013	12	28	10	V	8.1	7.3	5.62	232
250051004	2013	12	28	11	V	8.6	4.4	5.38	235
250051004	2013	12	28	12	V	8.5	3.6	6.77	229

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	28	13	V	8.8	3.2	7.71	242
250051004	2013	12	28	14	V	9.3	3	7.66	243
250051004	2013	12	28	15	V	8.0	3.3	6.43	252
250051004	2013	12	28	16	V	6.8	3.4	4.87	250
250051004	2013	12	28	17	V	8.9	3.3	3.98	232
250051004	2013	12	28	18	V	5.8	3.4	3.57	238
250051004	2013	12	28	19	V	4.4	3.3	3.03	232
250051004	2013	12	28	20	V	4.3	3.3	2.64	240
250051004	2013	12	28	21	V	4.1	3.3	1.37	171
250051004	2013	12	28	22	V	3.6	3.2	0.89	149
250051004	2013	12	28	23	V	3.7	3.4	1.5	167
250051004	2013	12	28	24	V	4.8	3.4	1.79	181
250051004	2013	12	29	1	V	4.1	2.9	2.66	196
250051004	2013	12	29	2	V	5.3	3.3	1.81	212
250051004	2013	12	29	3	V	4.8	3.1	0.74	133
250051004	2013	12	29	4	V	7.3	3.3	0.7	132
250051004	2013	12	29	5	V	8.0	3.3	0.63	139
250051004	2013	12	29	6	V	6.2	3.6	1.54	163
250051004	2013	12	29	7	V	9.3	3.3	1.26	186
250051004	2013	12	29	8	V	8.3	3.2	1.76	176
250051004	2013	12	29	9	V	7.2	3.2	1.23	209
250051004	2013	12	29	10	V	8.1	3.2	1.21	218
250051004	2013	12	29	11	V	8.6	3.4	1.7	131
250051004	2013	12	29	12	V	8.4	3.3	2.16	169
250051004	2013	12	29	13	V	8.8	3.5	3.92	234
250051004	2013	12	29	14	V	9.3	3.2	2.71	254
250051004	2013	12	29	15	V	8.0	3	1.88	115
250051004	2013	12	29	16	V	6.8	2.8	2.84	89
250051004	2013	12	29	17	V	8.9	2.7	3.17	69
250051004	2013	12	29	18	V	5.8	2.9	3.85	72
250051004	2013	12	29	19	V	4.4	3.1	3.66	63
250051004	2013	12	29	20	V	4.3	3.2	7.11	9
250051004	2013	12	29	21	V	4.1	3.4	8.01	5
250051004	2013	12	29	22	V	3.6	3.4	6.69	348
250051004	2013	12	29	23	V	4.3	4.5	7.74	335
250051004	2013	12	29	24	V	4.9	3.3	6.3	332
250051004	2013	12	30	1	V	4.2	4.5	5.43	319
250051004	2013	12	30	2	V	5.3	-999	3.3	290
250051004	2013	12	30	3	V	4.8	-999	3.2	278
250051004	2013	12	30	4	V	7.3	-999	2.64	276
250051004	2013	12	30	5	V	8.0	2.9	3.95	265
250051004	2013	12	30	6	V	6.2	2.8	3.54	270
250051004	2013	12	30	7	V	9.3	2.7	2.11	269
250051004	2013	12	30	8	V	8.3	2.9	2.42	234
250051004	2013	12	30	9	V	7.2	2.8	3.05	229
250051004	2013	12	30	10	V	8.1	2.7	3.17	229

Fall River SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
250051004	2013	12	30	11	V	8.6	2.7	3.54	260
250051004	2013	12	30	12	V	8.5	2.7	6.6	305
250051004	2013	12	30	13	V	9.1	3.8	6.45	310
250051004	2013	12	30	14	V	9.3	3.2	7.15	303
250051004	2013	12	30	15	V	8.0	2.7	5.46	300
250051004	2013	12	30	16	V	6.8	2.6	5.19	291
250051004	2013	12	30	17	V	8.9	2.6	5.96	286
250051004	2013	12	30	18	V	5.8	2.6	5.07	297
250051004	2013	12	30	19	V	4.4	2.3	5.22	304
250051004	2013	12	30	20	V	4.3	2.4	5.07	308
250051004	2013	12	30	21	V	4.1	3	4.39	316
250051004	2013	12	30	22	V	3.6	2.5	3.83	315
250051004	2013	12	30	23	V	3.7	2	3.68	325
250051004	2013	12	30	24	V	4.8	2	3.71	330
250051004	2013	12	31	1	V	4.1	2.1	2.95	329
250051004	2013	12	31	2	V	5.3	2	2.88	328
250051004	2013	12	31	3	V	4.8	1.6	2.38	334
250051004	2013	12	31	4	V	7.3	0.8	2.67	325
250051004	2013	12	31	5	V	8.0	2.4	3.47	360
250051004	2013	12	31	6	V	6.2	2.3	4.36	9
250051004	2013	12	31	7	V	9.3	5.5	4.08	8
250051004	2013	12	31	8	V	8.3	4.9	2.91	16
250051004	2013	12	31	9	V	7.7	4.6	2.33	344
250051004	2013	12	31	10	V	9.9	6.9	2.32	349
250051004	2013	12	31	11	V	62.5	4	1.23	335
250051004	2013	12	31	12	V	8.7	3.1	2.4	257
250051004	2013	12	31	13	V	8.8	2.8	3.75	266
250051004	2013	12	31	14	V	9.3	2.4	4.6	279
250051004	2013	12	31	15	V	8.0	2.4	4.95	254
250051004	2013	12	31	16	V	6.8	2.5	4.51	261
250051004	2013	12	31	17	V	8.9	2.7	3.44	256
250051004	2013	12	31	18	V	5.8	2.6	2.22	242
250051004	2013	12	31	19	C	-999	-999	0	0
250051004	2013	12	31	20	V	4.3	3.7	2.36	197
250051004	2013	12	31	21	V	4.1	4.1	2.36	269
250051004	2013	12	31	22	C	-999	3.5	0	0
250051004	2013	12	31	23	V	3.7	2.9	1.76	224
250051004	2013	12	31	24	V	4.8	2.7	2.86	288

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	1	1	V	0.05	2.8	4.36	161
180970057	2011	1	1	2	V	0.06	1.6	3.79	152
180970057	2011	1	1	3	V	0.6	1	2.62	208
180970057	2011	1	1	4	V	0.8	0.9	3.95	268
180970057	2011	1	1	5	V	0.5	0.6	5.17	276
180970057	2011	1	1	6	V	0.02	0.5	6.11	295
180970057	2011	1	1	7	V	0.2	0.3	5.04	282
180970057	2011	1	1	8	V	0.6	0.4	3.95	277
180970057	2011	1	1	9	V	0.3	0.4	5.05	259
180970057	2011	1	1	10	V	0.3	0.7	5.7	262
180970057	2011	1	1	11	V	0.2	0.8	7.31	260
180970057	2011	1	1	12	V	0.2	1.2	7.23	251
180970057	2011	1	1	13	V	0.2	0.8	7.2	251
180970057	2011	1	1	14	V	0.2	0.7	8.79	259
180970057	2011	1	1	15	V	0.5	0.6	7.86	270
180970057	2011	1	1	16	V	0.1	0.7	7.98	284
180970057	2011	1	1	17	V	0.9	0.7	6.63	262
180970057	2011	1	1	18	V	0.7	0.6	7.33	252
180970057	2011	1	1	19	V	0.7	0.5	6.18	268
180970057	2011	1	1	20	V	0.6	0.5	6.6	270
180970057	2011	1	1	21	V	0.5	0.6	6.35	274
180970057	2011	1	1	22	V	0.6	0.7	6.82	271
180970057	2011	1	1	23	V	0.5	0.7	6.57	274
180970057	2011	1	1	24	V	0.6	0.7	4.97	269
180970057	2011	1	2	1	V	0.6	0.6	5.99	271
180970057	2011	1	2	2	V	0.6	0.7	4.78	268
180970057	2011	1	2	3	V	0.7	0.6	4.37	265
180970057	2011	1	2	4	V	0.7	0.6	3.86	272
180970057	2011	1	2	5	V	0.9	0.6	3.2	273
180970057	2011	1	2	6	V	0.3	0.7	2.95	252
180970057	2011	1	2	7	V	1.0	0.7	3.1	262
180970057	2011	1	2	8	V	0.6	0.6	2.72	261
180970057	2011	1	2	9	V	0.5	0.7	3.27	265
180970057	2011	1	2	10	V	0.1	0.9	5.16	283
180970057	2011	1	2	11	V	0.2	0.8	4.68	282
180970057	2011	1	2	12	V	0.4	0.9	4.22	276
180970057	2011	1	2	13	V	0.3	1	4.71	266
180970057	2011	1	2	14	V	0.3	1	4.87	257
180970057	2011	1	2	15	V	0.8	1.3	5.6	256
180970057	2011	1	2	16	V	1.0	1.1	5.46	245
180970057	2011	1	2	17	V	0.5	1.1	5.68	237
180970057	2011	1	2	18	V	0.5	2.1	5.28	236
180970057	2011	1	2	19	V	0.06	2.6	4.07	220
180970057	2011	1	2	20	V	0.05	1.2	3.64	219
180970057	2011	1	2	21	V	1.1	0.9	3.75	205
180970057	2011	1	2	22	V	0.2	3	4.15	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	2	23	V	1.6	-999	4.44	205
180970057	2011	1	2	24	V	0.1	8.1	4.2	210
180970057	2011	1	3	1	V	0.02	6.2	3.69	225
180970057	2011	1	3	2	V	0.03	2.6	3.32	213
180970057	2011	1	3	3	V	14.6	3.5	3.61	187
180970057	2011	1	3	4	V	22.6	6.1	3.81	198
180970057	2011	1	3	5	V	1.0	7.8	4.54	206
180970057	2011	1	3	6	V	0.2	15.5	4.27	209
180970057	2011	1	3	7	V	6.2	28.1	3.95	202
180970057	2011	1	3	8	V	25.1	18.3	4.29	202
180970057	2011	1	3	9	V	20.1	23.7	4.6	202
180970057	2011	1	3	10	V	0.7	25.5	5.58	213
180970057	2011	1	3	11	V	0.1	16	6.74	221
180970057	2011	1	3	12	V	1.3	7	5.58	212
180970057	2011	1	3	13	V	0.5	6.7	5.14	216
180970057	2011	1	3	14	V	0.07	7.2	6.02	215
180970057	2011	1	3	15	V	0.2	3.9	7.93	229
180970057	2011	1	3	16	V	0.1	3	7.08	227
180970057	2011	1	3	17	V	1.3	5.2	5.58	206
180970057	2011	1	3	18	V	49.9	6.9	4.53	190
180970057	2011	1	3	19	V	64.4	5.4	4.2	193
180970057	2011	1	3	20	V	43.3	5.8	3.59	188
180970057	2011	1	3	21	V	7.1	8.6	4.43	183
180970057	2011	1	3	22	V	33.5	13.4	4.86	189
180970057	2011	1	3	23	V	4.3	16.2	5.96	201
180970057	2011	1	3	24	V	28.4	6.7	4.86	197
180970057	2011	1	4	1	V	39.2	5.6	4.36	196
180970057	2011	1	4	2	V	51.7	6.7	4.36	196
180970057	2011	1	4	3	V	1.3	12.1	4.36	208
180970057	2011	1	4	4	V	0.1	12.7	5.36	239
180970057	2011	1	4	5	V	0.04	6.2	4.36	231
180970057	2011	1	4	6	V	0.5	3.7	4.36	252
180970057	2011	1	4	7	V	0.2	3.8	3.86	246
180970057	2011	1	4	8	V	0.3	3.6	3.86	238
180970057	2011	1	4	9	V	1.0	3.6	3.36	236
180970057	2011	1	4	10	V	0.2	-999	5.96	267
180970057	2011	1	4	11	V	0.2	4.1	6.46	267
180970057	2011	1	4	12	V	0.07	3.3	10.06	283
180970057	2011	1	4	13	V	0.1	2.5	8.96	275
180970057	2011	1	4	14	V	0.07	1.7	7.96	282
180970057	2011	1	4	15	V	0.5	1.7	8.46	271
180970057	2011	1	4	16	V	0.5	1.6	7.96	270
180970057	2011	1	4	17	V	0.1	1.5	6.96	283
180970057	2011	1	4	18	V	0.6	1.6	6.46	269
180970057	2011	1	4	19	V	0.5	1.5	4.86	277
180970057	2011	1	4	20	V	0.6	1.3	5.11	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	4	21	V	0.5	1.1	3.74	278
180970057	2011	1	4	22	V	0.08	1	2.84	300
180970057	2011	1	4	23	V	0.06	1	3.05	324
180970057	2011	1	4	24	V	0.1	0.9	2.25	339
180970057	2011	1	5	1	V	0.2	0.9	1.96	346
180970057	2011	1	5	2	V	3.8	0.9	0.94	254
180970057	2011	1	5	3	V	3.8	1	0.92	225
180970057	2011	1	5	4	V	0.9	1.1	1.54	244
180970057	2011	1	5	5	V	0.6	1.6	1.48	285
180970057	2011	1	5	6	V	0.6	1.4	1.84	244
180970057	2011	1	5	7	V	3.6	1.6	1.01	256
180970057	2011	1	5	8	V	2.5	2.1	1.86	218
180970057	2011	1	5	9	V	64.2	1.8	1.37	201
180970057	2011	1	5	10	V	40.8	2.5	1.93	178
180970057	2011	1	5	11	V	76.7	3.5	1.84	192
180970057	2011	1	5	12	V	4.6	70.6	1.96	156
180970057	2011	1	5	13	V	8.2	88	1.25	130
180970057	2011	1	5	14	V	52.0	119.5	2.27	201
180970057	2011	1	5	15	V	65.4	45.9	2.67	189
180970057	2011	1	5	16	V	72.0	15.9	2.47	189
180970057	2011	1	5	17	V	0.4	8.6	2.27	177
180970057	2011	1	5	18	V	0.2	12	2.22	174
180970057	2011	1	5	19	V	0.1	7.1	2.46	173
180970057	2011	1	5	20	V	0.09	4.8	3	173
180970057	2011	1	5	21	V	0.06	2.9	3	165
180970057	2011	1	5	22	V	7.9	2.7	3.17	203
180970057	2011	1	5	23	V	0.08	2.8	3.34	219
180970057	2011	1	5	24	V	0.2	2.7	3.44	225
180970057	2011	1	6	1	V	0.07	2.5	4.34	225
180970057	2011	1	6	2	V	0.05	3.9	5.28	228
180970057	2011	1	6	3	V	0.1	4	4.03	236
180970057	2011	1	6	4	V	0.1	4.4	4.27	233
180970057	2011	1	6	5	V	0.09	5.6	4.46	231
180970057	2011	1	6	6	V	0.07	6.2	4.09	226
180970057	2011	1	6	7	V	0.2	5.7	4.75	237
180970057	2011	1	6	8	V	0.3	6	5.34	246
180970057	2011	1	6	9	V	0.5	5.5	4.75	246
180970057	2011	1	6	10	V	0.3	4.7	4.46	259
180970057	2011	1	6	11	V	0.3	3.9	4.32	263
180970057	2011	1	6	12	V	0.2	3.1	5.39	252
180970057	2011	1	6	13	V	0.1	2.2	6.67	277
180970057	2011	1	6	14	V	0.04	1.7	5.73	289
180970057	2011	1	6	15	V	0.02	1.3	8.01	297
180970057	2011	1	6	16	V	0.2	1.3	7.11	282
180970057	2011	1	6	17	V	0.5	1.2	6.92	274
180970057	2011	1	6	18	V	0.3	1	7.23	278

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	6	19	V	0.2	0.9	6.11	281
180970057	2011	1	6	20	V	0.02	0.9	6.35	290
180970057	2011	1	6	21	V	0.3	0.8	4.53	280
180970057	2011	1	6	22	V	1.2	0.7	3.95	247
180970057	2011	1	6	23	V	1.1	0.7	3.78	242
180970057	2011	1	6	24	V	0.9	0.9	4.61	258
180970057	2011	1	7	1	V	0.7	0.9	3.63	273
180970057	2011	1	7	2	V	0.1	0.9	3.49	286
180970057	2011	1	7	3	V	0.08	0.9	3.86	288
180970057	2011	1	7	4	V	0.2	0.9	2.64	282
180970057	2011	1	7	5	V	0.5	1	3.23	251
180970057	2011	1	7	6	V	0.4	1	2.84	251
180970057	2011	1	7	7	V	0.09	1.1	2.49	225
180970057	2011	1	7	8	V	0.4	1.1	2.84	239
180970057	2011	1	7	9	V	1.9	1.3	1.57	252
180970057	2011	1	7	10	V	1.6	1.5	2.13	244
180970057	2011	1	7	11	V	1.6	1.4	1.93	285
180970057	2011	1	7	12	V	1.2	1.5	2.38	272
180970057	2011	1	7	13	V	0.6	1.3	2.62	304
180970057	2011	1	7	14	V	0.2	1.1	3.74	337
180970057	2011	1	7	15	V	0.1	1.2	3.78	318
180970057	2011	1	7	16	V	0.03	1.3	5.38	293
180970057	2011	1	7	17	V	0.1	1	4.42	285
180970057	2011	1	7	18	V	0.8	1.1	4.02	264
180970057	2011	1	7	19	V	0.7	0.9	5.46	266
180970057	2011	1	7	20	V	0.04	0.8	6.16	289
180970057	2011	1	7	21	V	0.02	0.7	6.86	293
180970057	2011	1	7	22	V	0.02	0.7	6.02	299
180970057	2011	1	7	23	V	0.01	0.7	8.44	304
180970057	2011	1	7	24	V	0.03	0.8	5.77	296
180970057	2011	1	8	1	V	0.1	0.7	5.53	285
180970057	2011	1	8	2	V	0.2	0.7	5.94	281
180970057	2011	1	8	3	V	0.07	0.6	5.48	287
180970057	2011	1	8	4	V	0.02	0.6	7.55	302
180970057	2011	1	8	5	V	0.01	0.7	8.1	301
180970057	2011	1	8	6	V	0.02	0.8	7.38	309
180970057	2011	1	8	7	V	0.01	0.8	7.43	302
180970057	2011	1	8	8	V	0.08	0.7	7.42	292
180970057	2011	1	8	9	V	0.07	0.7	6.24	293
180970057	2011	1	8	10	V	0.08	0.8	7.5	291
180970057	2011	1	8	11	V	0.08	0.9	7.55	296
180970057	2011	1	8	12	V	0.09	0.9	7.5	286
180970057	2011	1	8	13	V	0.07	1	8.2	296
180970057	2011	1	8	14	V	0.06	0.9	7.42	292
180970057	2011	1	8	15	V	0.07	0.9	7.23	287
180970057	2011	1	8	16	V	0.2	0.9	7.31	280

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	8	17	V	0.7	0.9	6.5	267
180970057	2011	1	8	18	V	0.8	0.9	5.89	252
180970057	2011	1	8	19	V	0.7	0.9	5.51	241
180970057	2011	1	8	20	V	1.1	0.8	4.82	244
180970057	2011	1	8	21	V	0.9	0.7	3.98	259
180970057	2011	1	8	22	V	0.9	0.7	4.44	250
180970057	2011	1	8	23	V	0.8	-999	4.46	254
180970057	2011	1	8	24	V	0.9	-999	4.05	250
180970057	2011	1	9	1	V	0.8	0	3.91	258
180970057	2011	1	9	2	V	0.7	0	4	274
180970057	2011	1	9	3	V	0.6	0	3.3	266
180970057	2011	1	9	4	V	0.7	0	2.83	271
180970057	2011	1	9	5	V	0.09	0	2.78	288
180970057	2011	1	9	6	V	0.4	0	2.86	279
180970057	2011	1	9	7	V	0.9	0	1.76	270
180970057	2011	1	9	8	V	4.8	0	0.86	289
180970057	2011	1	9	9	V	2.7	0	1.67	264
180970057	2011	1	9	10	V	1.0	0	3.13	227
180970057	2011	1	9	11	V	2.2	0	2.11	235
180970057	2011	1	9	12	V	11.4	0.3	1.04	241
180970057	2011	1	9	13	V	27.5	1.7	0.77	57
180970057	2011	1	9	14	V	2.2	18.3	1.26	101
180970057	2011	1	9	15	V	0.5	25.8	1.47	117
180970057	2011	1	9	16	V	0.6	7.9	1.47	134
180970057	2011	1	9	17	V	0.3	5.5	1.7	164
180970057	2011	1	9	18	V	0.08	0.4	2.89	158
180970057	2011	1	9	19	V	0.08	0	2.73	108
180970057	2011	1	9	20	V	0.1	0	2.33	100
180970057	2011	1	9	21	V	0.1	0	2.35	89
180970057	2011	1	9	22	V	0.08	0	2.66	83
180970057	2011	1	9	23	V	0.08	-999	3.1	68
180970057	2011	1	9	24	V	0.08	0	3.76	83
180970057	2011	1	10	1	V	0.07	0	3.42	101
180970057	2011	1	10	2	V	0.07	0	2.69	112
180970057	2011	1	10	3	V	0.08	0	2.37	89
180970057	2011	1	10	4	V	0.06	0	3.29	85
180970057	2011	1	10	5	V	0.06	0	3.95	80
180970057	2011	1	10	6	V	0.05	0	4.19	76
180970057	2011	1	10	7	V	0.06	0	4.2	78
180970057	2011	1	10	8	V	0.2	0.3	4.14	79
180970057	2011	1	10	9	V	0.2	0.1	4.24	79
180970057	2011	1	10	10	V	0.2	0.8	5.5	86
180970057	2011	1	10	11	V	0.1	0.7	6.46	91
180970057	2011	1	10	12	V	0.09	1	6.55	90
180970057	2011	1	10	13	V	0.08	0.6	6.41	103
180970057	2011	1	10	14	V	0.07	0.3	6.74	82

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	10	15	V	0.04	0.8	6.6	81
180970057	2011	1	10	16	V	0.02	1	6.33	84
180970057	2011	1	10	17	V	0.02	0.1	6.38	81
180970057	2011	1	10	18	V	0.02	0	6.45	82
180970057	2011	1	10	19	V	0.02	0	6.04	82
180970057	2011	1	10	20	V	0.03	0	5.99	70
180970057	2011	1	10	21	V	0.03	0	6.55	72
180970057	2011	1	10	22	V	0.03	0	6.21	77
180970057	2011	1	10	23	V	0.04	-999	5.28	77
180970057	2011	1	10	24	V	0.03	-999	5.72	78
180970057	2011	1	11	1	V	0.03	0	5.62	83
180970057	2011	1	11	2	V	0.02	0	6.09	85
180970057	2011	1	11	3	V	0.03	0	5.07	83
180970057	2011	1	11	4	V	0.06	0.2	4.22	86
180970057	2011	1	11	5	V	0.07	0.3	3.98	85
180970057	2011	1	11	6	V	0.07	0.2	3.51	81
180970057	2011	1	11	7	V	0.08	0	3.8	70
180970057	2011	1	11	8	V	0.1	0	3.57	84
180970057	2011	1	11	9	V	0.3	0	3.2	86
180970057	2011	1	11	10	V	0.9	0	2.27	85
180970057	2011	1	11	11	V	2.5	0.6	1.54	99
180970057	2011	1	11	12	V	19.8	2	0.67	100
180970057	2011	1	11	13	V	1.7	5.1	2.06	242
180970057	2011	1	11	14	V	0.4	2.7	4.63	249
180970057	2011	1	11	15	V	0.8	2.3	5.9	253
180970057	2011	1	11	16	V	0.6	2.3	6.09	273
180970057	2011	1	11	17	V	0.5	2	7.14	274
180970057	2011	1	11	18	V	0.4	0.7	7.06	277
180970057	2011	1	11	19	V	0.2	0.1	7.15	280
180970057	2011	1	11	20	V	0.4	0	7.18	276
180970057	2011	1	11	21	V	0.7	0	7.08	267
180970057	2011	1	11	22	V	0.6	0.1	7.77	268
180970057	2011	1	11	23	V	0.5	0	8.1	273
180970057	2011	1	11	24	V	0.3	0	8.5	277
180970057	2011	1	12	1	V	0.3	0	9.27	278
180970057	2011	1	12	2	V	0.08	0	8.5	285
180970057	2011	1	12	3	V	0.2	0	8.73	281
180970057	2011	1	12	4	V	0.3	0	8	278
180970057	2011	1	12	5	V	0.2	0	7.93	281
180970057	2011	1	12	6	V	0.08	0	9.05	285
180970057	2011	1	12	7	V	0.02	0	8.15	294
180970057	2011	1	12	8	V	0.02	0	8.35	293
180970057	2011	1	12	9	V	0.07	0	8.93	292
180970057	2011	1	12	10	V	0.06	0	9	294
180970057	2011	1	12	11	V	0.06	0	7.91	284
180970057	2011	1	12	12	V	0.06	0	8.1	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	12	13	V	0.05	0	7.96	285
180970057	2011	1	12	14	V	0.05	0	8.08	286
180970057	2011	1	12	15	V	0.06	0	8.05	287
180970057	2011	1	12	16	V	0.07	0	7.76	286
180970057	2011	1	12	17	V	0.07	0	8.28	286
180970057	2011	1	12	18	V	0.3	0	8.03	277
180970057	2011	1	12	19	V	0.6	0	6.86	272
180970057	2011	1	12	20	V	0.7	0	6.43	269
180970057	2011	1	12	21	V	0.7	0	6.4	269
180970057	2011	1	12	22	V	0.5	0	6.67	274
180970057	2011	1	12	23	V	0.6	0	6.6	272
180970057	2011	1	12	24	V	0.6	0	6.91	269
180970057	2011	1	13	1	V	0.3	0	5.96	279
180970057	2011	1	13	2	V	0.6	0	5.6	271
180970057	2011	1	13	3	V	0.3	0	5	281
180970057	2011	1	13	4	V	0.6	0	4.58	274
180970057	2011	1	13	5	V	0.7	0	4.32	268
180970057	2011	1	13	6	V	0.8	0	4.48	264
180970057	2011	1	13	7	V	0.8	0	4.48	264
180970057	2011	1	13	8	V	0.3	0	4.94	265
180970057	2011	1	13	9	V	0.4	0	4.73	250
180970057	2011	1	13	10	V	0.7	0	4.36	245
180970057	2011	1	13	11	V	0.9	1	4.02	236
180970057	2011	1	13	12	V	0.8	2.2	4.09	241
180970057	2011	1	13	13	V	0.6	2.6	4.87	244
180970057	2011	1	13	14	V	0.4	4.1	5.36	250
180970057	2011	1	13	15	V	1.1	4.6	5.36	245
180970057	2011	1	13	16	V	1.0	5.6	5.07	241
180970057	2011	1	13	17	V	0.6	3.7	4.48	237
180970057	2011	1	13	18	V	1.0	1.9	3.93	241
180970057	2011	1	13	19	V	0.09	1.1	2.88	216
180970057	2011	1	13	20	V	0.08	1	3.17	217
180970057	2011	1	13	21	V	0.08	6.8	3.49	218
180970057	2011	1	13	22	V	0.6	8.2	3.4	237
180970057	2011	1	13	23	V	1.8	3.9	3.17	206
180970057	2011	1	13	24	V	2.3	9.2	3.64	206
180970057	2011	1	14	1	V	0.5	4.7	3.56	209
180970057	2011	1	14	2	V	18.1	7.7	2.7	201
180970057	2011	1	14	3	V	0.07	8.2	2.86	168
180970057	2011	1	14	4	V	0.08	5	3.67	163
180970057	2011	1	14	5	V	0.08	5	3.4	170
180970057	2011	1	14	6	V	0.2	7.2	3.71	178
180970057	2011	1	14	7	V	0.04	4.9	3.25	165
180970057	2011	1	14	8	V	0.5	3.5	3.37	166
180970057	2011	1	14	9	V	4.4	3.5	3.68	173
180970057	2011	1	14	10	V	37.7	10.6	3.63	183

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	14	11	V	21.0	9.3	4.29	204
180970057	2011	1	14	12	V	0.7	12.5	4.27	217
180970057	2011	1	14	13	V	0.7	16.3	4.31	239
180970057	2011	1	14	14	V	0.5	12.1	4.12	253
180970057	2011	1	14	15	V	1.3	13.4	3.57	252
180970057	2011	1	14	16	V	1.0	13.8	3.88	251
180970057	2011	1	14	17	V	1.2	8.3	3.52	247
180970057	2011	1	14	18	V	0.3	5.1	3.49	230
180970057	2011	1	14	19	V	0.09	2.9	3.76	216
180970057	2011	1	14	20	V	0.2	2.4	4.7	224
180970057	2011	1	14	21	V	0.2	1.9	3.93	224
180970057	2011	1	14	22	V	0.09	2.1	2.84	215
180970057	2011	1	14	23	V	21.4	2.8	3.41	200
180970057	2011	1	14	24	V	2.9	9.8	3.64	205
180970057	2011	1	15	1	V	5.2	9.4	3.52	203
180970057	2011	1	15	2	V	35.5	10	3.3	188
180970057	2011	1	15	3	V	30.9	8	3.39	198
180970057	2011	1	15	4	V	0.1	7.6	4.73	213
180970057	2011	1	15	5	V	0.07	6.3	5.92	213
180970057	2011	1	15	6	V	0.04	6.7	5.53	217
180970057	2011	1	15	7	V	0.02	7	6.81	223
180970057	2011	1	15	8	V	0.08	4.7	7.77	232
180970057	2011	1	15	9	V	0.3	3.3	7.67	234
180970057	2011	1	15	10	V	0.5	3.6	7.26	239
180970057	2011	1	15	11	V	0.2	4	7.86	254
180970057	2011	1	15	12	V	0.1	3.2	7.77	272
180970057	2011	1	15	13	V	0.07	1.5	7.94	282
180970057	2011	1	15	14	V	0.05	1	6.84	302
180970057	2011	1	15	15	V	0.03	0.2	6.77	304
180970057	2011	1	15	16	V	0.02	0	6.4	312
180970057	2011	1	15	17	V	0.03	0	5.7	307
180970057	2011	1	15	18	V	0.06	0	4.97	307
180970057	2011	1	15	19	V	0.07	0	4.51	301
180970057	2011	1	15	20	V	0.07	0	4.02	293
180970057	2011	1	15	21	V	0.07	0	3.63	300
180970057	2011	1	15	22	V	0.07	0	3.52	303
180970057	2011	1	15	23	V	0.07	0	3.37	314
180970057	2011	1	15	24	V	0.05	0	3.47	317
180970057	2011	1	16	1	V	0.05	0	3.1	318
180970057	2011	1	16	2	V	0.07	0	2.88	297
180970057	2011	1	16	3	V	1.1	0	2.54	262
180970057	2011	1	16	4	V	0.8	0	1.59	280
180970057	2011	1	16	5	V	0.4	0	1.79	319
180970057	2011	1	16	6	V	0.3	0	1.81	330
180970057	2011	1	16	7	V	0.4	0	1.72	14
180970057	2011	1	16	8	V	0.7	0	2.2	5

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	16	9	V	7.6	0	0.77	271
180970057	2011	1	16	10	V	17.5	0.2	0.72	26
180970057	2011	1	16	11	V	8.6	0.8	0.87	113
180970057	2011	1	16	12	V	0.7	0.5	2.45	87
180970057	2011	1	16	13	V	9.6	1	1.45	72
180970057	2011	1	16	14	V	0.6	1.1	2.23	98
180970057	2011	1	16	15	V	0.1	0.8	2.2	92
180970057	2011	1	16	16	V	0.1	0.2	2.04	101
180970057	2011	1	16	17	V	0.09	0.2	2.38	98
180970057	2011	1	16	18	V	0.08	0	2.59	94
180970057	2011	1	16	19	V	0.04	0	3.51	113
180970057	2011	1	16	20	V	0.06	0	2.89	109
180970057	2011	1	16	21	V	0.04	0	3.41	83
180970057	2011	1	16	22	V	0.05	0	4.17	79
180970057	2011	1	16	23	V	0.04	-999	3.52	85
180970057	2011	1	16	24	V	0.03	0.3	3.54	86
180970057	2011	1	17	1	V	0.04	0	3.73	90
180970057	2011	1	17	2	V	0.06	0	4.25	106
180970057	2011	1	17	3	V	0.05	0	4.36	117
180970057	2011	1	17	4	V	0.03	0	4.95	124
180970057	2011	1	17	5	V	0.06	0	4.27	117
180970057	2011	1	17	6	V	0.06	0	3.85	112
180970057	2011	1	17	7	V	0.06	0.5	4.49	114
180970057	2011	1	17	8	V	0.2	4	4.32	116
180970057	2011	1	17	9	V	0.3	6	3.13	133
180970057	2011	1	17	10	V	0.2	8.3	4.75	132
180970057	2011	1	17	11	V	0.2	11.7	4.7	130
180970057	2011	1	17	12	V	0.1	13	5.05	122
180970057	2011	1	17	13	V	0.1	13.6	5.24	129
180970057	2011	1	17	14	V	0.1	9.4	4.94	136
180970057	2011	1	17	15	V	0.07	6.3	5.16	136
180970057	2011	1	17	16	V	0.03	5.2	5.67	135
180970057	2011	1	17	17	V	0.03	3.1	5.77	134
180970057	2011	1	17	18	V	0.03	1.4	5.67	139
180970057	2011	1	17	19	V	0.03	0.6	5.6	133
180970057	2011	1	17	20	V	0.03	0.6	6.23	142
180970057	2011	1	17	21	V	0.03	0.8	6.06	149
180970057	2011	1	17	22	V	0.07	0.7	4.44	152
180970057	2011	1	17	23	V	0.07	0.2	4.2	140
180970057	2011	1	17	24	V	0.06	0	4.14	144
180970057	2011	1	18	1	V	0.05	0	4.29	152
180970057	2011	1	18	2	V	0.06	0	4.09	158
180970057	2011	1	18	3	V	0.06	0	4.17	166
180970057	2011	1	18	4	V	0.06	0	3.54	165
180970057	2011	1	18	5	V	0.4	0	4.14	176
180970057	2011	1	18	6	V	15.5	0	3.57	185

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	18	7	V	28.1	0	3.03	187
180970057	2011	1	18	8	V	37.4	0	2.81	186
180970057	2011	1	18	9	V	2.1	0	1.84	223
180970057	2011	1	18	10	V	4.7	0.1	1.14	285
180970057	2011	1	18	11	V	4.5	0.1	1.23	301
180970057	2011	1	18	12	V	0.6	0.1	2.86	299
180970057	2011	1	18	13	V	0.3	0	3.69	323
180970057	2011	1	18	14	V	0.2	0	4.03	325
180970057	2011	1	18	15	V	0.08	0	4.87	332
180970057	2011	1	18	16	V	0.04	0	5.1	332
180970057	2011	1	18	17	V	0.04	0	5.11	332
180970057	2011	1	18	18	V	0.03	0	5.55	340
180970057	2011	1	18	19	V	0.04	0	5.39	340
180970057	2011	1	18	20	V	0.04	0	5.33	334
180970057	2011	1	18	21	V	0.03	0	5.84	324
180970057	2011	1	18	22	V	0.03	0	6.4	335
180970057	2011	1	18	23	V	0.03	0	6.06	335
180970057	2011	1	18	24	V	0.05	0	4.78	338
180970057	2011	1	19	1	V	0.05	0	4.83	330
180970057	2011	1	19	2	V	0.04	0	4.97	319
180970057	2011	1	19	3	V	0.04	0	4.88	320
180970057	2011	1	19	4	V	0.03	0	5.28	332
180970057	2011	1	19	5	V	0.04	0	5	331
180970057	2011	1	19	6	V	0.05	0	4.44	333
180970057	2011	1	19	7	V	0.04	0	5.24	329
180970057	2011	1	19	8	V	0.1	0	4.43	333
180970057	2011	1	19	9	V	0.1	0	5.11	329
180970057	2011	1	19	10	V	0.3	0	3.85	334
180970057	2011	1	19	11	V	0.9	0	2.38	320
180970057	2011	1	19	12	V	0.7	0	2.78	294
180970057	2011	1	19	13	V	0.6	0	3.3	280
180970057	2011	1	19	14	V	0.3	0	3.92	286
180970057	2011	1	19	15	V	0.2	0	4.6	286
180970057	2011	1	19	16	V	0.08	0	4.43	290
180970057	2011	1	19	17	V	0.1	0	3.8	287
180970057	2011	1	19	18	V	0.4	0	3.8	280
180970057	2011	1	19	19	V	0.2	0	4.41	284
180970057	2011	1	19	20	V	0.07	0	4.24	310
180970057	2011	1	19	21	V	0.07	0	3.12	304
180970057	2011	1	19	22	V	0.2	0	1.87	296
180970057	2011	1	19	23	V	0.06	0	3.1	292
180970057	2011	1	19	24	V	0.05	0	3.4	329
180970057	2011	1	20	1	V	0.06	0	2.69	345
180970057	2011	1	20	2	V	0.1	0	1.94	6
180970057	2011	1	20	3	V	0.07	0	2.4	5
180970057	2011	1	20	4	V	0.06	0	2.69	353

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	20	5	V	0.07	0	3.56	342
180970057	2011	1	20	6	V	0.07	0	3.85	343
180970057	2011	1	20	7	V	0.07	0	3.1	347
180970057	2011	1	20	8	V	0.2	0	3.32	351
180970057	2011	1	20	9	V	0.4	0	3.1	12
180970057	2011	1	20	10	V	0.5	0	3.03	10
180970057	2011	1	20	11	V	0.1	0	3.56	357
180970057	2011	1	20	12	V	0.1	0	3.17	349
180970057	2011	1	20	13	V	0.1	0	3.2	345
180970057	2011	1	20	14	V	0.04	0	4.36	328
180970057	2011	1	20	15	V	0.06	0	5.56	324
180970057	2011	1	20	16	V	0.05	0	5.02	310
180970057	2011	1	20	17	V	0.06	0	4.95	300
180970057	2011	1	20	18	V	0.08	0	4.41	289
180970057	2011	1	20	19	V	0.7	0	4.15	267
180970057	2011	1	20	20	V	0.8	0	5.17	264
180970057	2011	1	20	21	V	0.7	0	6.92	268
180970057	2011	1	20	22	V	0.7	0	6.72	266
180970057	2011	1	20	23	V	0.8	0	6	265
180970057	2011	1	20	24	V	0.03	0	6.46	288
180970057	2011	1	21	1	V	0.03	0	6.46	289
180970057	2011	1	21	2	V	0.3	0	5.96	280
180970057	2011	1	21	3	V	0.03	0	7.46	289
180970057	2011	1	21	4	V	0.02	0	5.96	290
180970057	2011	1	21	5	V	0.04	0	6.96	287
180970057	2011	1	21	6	V	0.06	0	6	286
180970057	2011	1	21	7	V	0.05	0	5.5	287
180970057	2011	1	21	8	V	0.2	0	4.51	291
180970057	2011	1	21	9	V	0.6	0	3.68	290
180970057	2011	1	21	10	V	0.7	0	3.69	296
180970057	2011	1	21	11	V	0.5	0	4	295
180970057	2011	1	21	12	V	0.6	0	3.98	313
180970057	2011	1	21	13	V	0.9	0	3.12	300
180970057	2011	1	21	14	V	1.3	0	2.28	309
180970057	2011	1	21	15	V	0.7	0	2.83	275
180970057	2011	1	21	16	V	0.08	0	3.12	288
180970057	2011	1	21	17	V	0.07	0	2.76	294
180970057	2011	1	21	18	V	0.9	0	2.69	256
180970057	2011	1	21	19	V	0.2	0	2.16	305
180970057	2011	1	21	20	V	0.4	0	1.57	358
180970057	2011	1	21	21	V	12.7	0	0.57	335
180970057	2011	1	21	22	V	17.5	0	0.67	26
180970057	2011	1	21	23	V	9.7	0	0.65	7
180970057	2011	1	21	24	V	0.6	0	1.47	104
180970057	2011	1	22	1	V	0.2	0.1	2.01	152
180970057	2011	1	22	2	V	0.07	0	2.83	151

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	22	3	V	0.08	0	2.71	153
180970057	2011	1	22	4	V	0.04	0	3.25	148
180970057	2011	1	22	5	V	0.07	0	3.71	160
180970057	2011	1	22	6	V	0.07	0	3.35	159
180970057	2011	1	22	7	V	10.4	12.2	3.8	183
180970057	2011	1	22	8	V	0.4	10.6	3.91	171
180970057	2011	1	22	9	V	0.5	4.4	3.69	168
180970057	2011	1	22	10	V	41.0	16.6	3.52	187
180970057	2011	1	22	11	V	24.0	52.8	4.19	202
180970057	2011	1	22	12	V	42.4	16.1	4	198
180970057	2011	1	22	13	V	34.9	35.5	4.41	198
180970057	2011	1	22	14	V	0.3	22.2	6.67	235
180970057	2011	1	22	15	V	0.8	12.8	6.94	241
180970057	2011	1	22	16	V	0.7	11.7	5.9	238
180970057	2011	1	22	17	V	0.8	7.6	5.48	249
180970057	2011	1	22	18	V	0.8	5.6	5.6	255
180970057	2011	1	22	19	V	0.9	5	5.36	246
180970057	2011	1	22	20	V	0.9	5.6	5.39	248
180970057	2011	1	22	21	V	0.7	6	4.2	269
180970057	2011	1	22	22	V	0.8	4.9	2.93	273
180970057	2011	1	22	23	V	0.5	2.3	2.54	279
180970057	2011	1	22	24	V	0.06	1	3.23	294
180970057	2011	1	23	1	V	0.05	0.9	3.51	313
180970057	2011	1	23	2	V	0.03	0.5	5.48	343
180970057	2011	1	23	3	V	0.06	0.2	4.17	358
180970057	2011	1	23	4	V	0.06	0.1	2.4	351
180970057	2011	1	23	5	V	0.1	0	2.1	350
180970057	2011	1	23	6	V	0.2	0	1.94	25
180970057	2011	1	23	7	V	40.4	0	1.03	46
180970057	2011	1	23	8	V	0.2	0	2.38	17
180970057	2011	1	23	9	V	7.1	0.7	3.85	36
180970057	2011	1	23	10	V	14.5	1.7	3.69	53
180970057	2011	1	23	11	V	4.9	1	3.83	61
180970057	2011	1	23	12	V	0.2	1.1	3.75	77
180970057	2011	1	23	13	V	0.1	0.7	4.53	84
180970057	2011	1	23	14	V	0.08	0	4.54	105
180970057	2011	1	23	15	V	0.1	0	4.17	110
180970057	2011	1	23	16	V	0.06	0.3	4.7	114
180970057	2011	1	23	17	V	0.05	0	4.78	102
180970057	2011	1	23	18	V	0.06	0	4.32	91
180970057	2011	1	23	19	V	0.06	0.3	4.83	91
180970057	2011	1	23	20	V	0.06	0	4.66	92
180970057	2011	1	23	21	V	0.06	0.5	4.66	103
180970057	2011	1	23	22	V	0.04	1.4	5.39	107
180970057	2011	1	23	23	V	0.04	-999	5.15	115
180970057	2011	1	23	24	V	0.03	2.8	5.82	119

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	24	1	V	0.04	4.2	4.9	120
180970057	2011	1	24	2	V	0.04	3.3	4.87	121
180970057	2011	1	24	3	V	0.05	3.1	4.71	128
180970057	2011	1	24	4	V	0.04	2.6	5.09	131
180970057	2011	1	24	5	V	0.05	1.9	4.56	133
180970057	2011	1	24	6	V	0.06	1.8	4.51	131
180970057	2011	1	24	7	V	0.08	1.8	4.1	130
180970057	2011	1	24	8	V	0.1	1.7	4.24	130
180970057	2011	1	24	9	V	0.2	1.7	4	138
180970057	2011	1	24	10	V	0.2	2.2	4.22	143
180970057	2011	1	24	11	V	0.4	2	3.48	148
180970057	2011	1	24	12	V	2.7	2.3	2.86	168
180970057	2011	1	24	13	V	0.4	2.8	3.36	159
180970057	2011	1	24	14	V	42.6	4.3	3.36	187
180970057	2011	1	24	15	V	0.5	10.9	3.36	213
180970057	2011	1	24	16	V	0.08	7.1	3.86	218
180970057	2011	1	24	17	V	0.08	4.2	3.86	218
180970057	2011	1	24	18	V	0.2	3.2	3.86	212
180970057	2011	1	24	19	V	0.2	2.1	3.86	212
180970057	2011	1	24	20	V	0.1	5.1	2.86	222
180970057	2011	1	24	21	V	0.09	6.6	3.54	215
180970057	2011	1	24	22	V	0.2	3.6	3.68	225
180970057	2011	1	24	23	V	0.9	1.8	4.53	241
180970057	2011	1	24	24	V	1.0	1.6	4.82	245
180970057	2011	1	25	1	V	0.2	1.8	3.3	241
180970057	2011	1	25	2	V	0.8	1.9	4.19	263
180970057	2011	1	25	3	V	0.7	1.7	5.22	270
180970057	2011	1	25	4	V	0.4	0.9	3.95	279
180970057	2011	1	25	5	V	0.07	0.4	2.49	293
180970057	2011	1	25	6	V	0.2	0.2	2.38	282
180970057	2011	1	25	7	V	0.07	0	2.79	293
180970057	2011	1	25	8	V	0.7	0	2.37	318
180970057	2011	1	25	9	V	2.4	0	1.28	340
180970057	2011	1	25	10	V	1.1	0.1	1.96	294
180970057	2011	1	25	11	V	6.6	0.7	1.23	311
180970057	2011	1	25	12	V	8.8	5	1.79	21
180970057	2011	1	25	13	V	0.6	23.6	2.9	329
180970057	2011	1	25	14	V	1.2	13.2	1.86	313
180970057	2011	1	25	15	V	0.2	7.4	2.47	324
180970057	2011	1	25	16	V	0.1	3.9	2.15	9
180970057	2011	1	25	17	V	0.05	1.5	4	9
180970057	2011	1	25	18	V	0.05	0	4.24	1
180970057	2011	1	25	19	V	0.08	0.5	4.12	26
180970057	2011	1	25	20	V	0.6	1.1	4.32	35
180970057	2011	1	25	21	V	1.9	2.3	3.86	38
180970057	2011	1	25	22	V	0.08	0.9	2.86	30

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	25	23	V	0.07	0	3.49	12
180970057	2011	1	25	24	V	0.06	0	3.01	18
180970057	2011	1	26	1	V	0.06	0	3.93	13
180970057	2011	1	26	2	V	0.06	0	4.03	17
180970057	2011	1	26	3	V	0.06	0	3.9	9
180970057	2011	1	26	4	V	0.03	0	5.12	1
180970057	2011	1	26	5	V	0.04	0	5.43	2
180970057	2011	1	26	6	V	0.05	0	5.07	4
180970057	2011	1	26	7	V	0.05	0	4.94	6
180970057	2011	1	26	8	V	0.1	0	4.88	7
180970057	2011	1	26	9	V	0.2	0	4.14	6
180970057	2011	1	26	10	V	0.2	0	4.27	4
180970057	2011	1	26	11	V	0.3	0	3.81	353
180970057	2011	1	26	12	V	0.1	0	3.9	335
180970057	2011	1	26	13	V	0.06	0	4.85	318
180970057	2011	1	26	14	V	0.04	0	5.39	316
180970057	2011	1	26	15	V	0.1	0	4.83	313
180970057	2011	1	26	16	V	0.07	0	4.61	318
180970057	2011	1	26	17	V	0.06	0	4.92	302
180970057	2011	1	26	18	V	0.1	0	4.39	287
180970057	2011	1	26	19	V	0.2	0	4.17	284
180970057	2011	1	26	20	V	0.1	0	4.22	285
180970057	2011	1	26	21	V	0.07	0	3.68	292
180970057	2011	1	26	22	V	0.7	0	3.69	273
180970057	2011	1	26	23	V	0.9	0	4.59	253
180970057	2011	1	26	24	V	1.0	0	4.17	242
180970057	2011	1	27	1	V	0.8	0	4.27	257
180970057	2011	1	27	2	V	0.8	0	4.85	264
180970057	2011	1	27	3	V	0.6	0	5.02	254
180970057	2011	1	27	4	V	0.8	0	5.31	265
180970057	2011	1	27	5	V	0.6	0.8	5.29	253
180970057	2011	1	27	6	V	0.1	0.2	5.56	237
180970057	2011	1	27	7	V	0.3	0.6	4.61	244
180970057	2011	1	27	8	V	0.08	0	5.46	224
180970057	2011	1	27	9	V	0.1	0	5.31	223
180970057	2011	1	27	10	V	0.2	0	4.95	217
180970057	2011	1	27	11	V	0.4	0	5.84	237
180970057	2011	1	27	12	V	0.2	0.5	6.04	231
180970057	2011	1	27	13	V	0.05	0.5	6.87	220
180970057	2011	1	27	14	V	0.7	0.7	6.16	208
180970057	2011	1	27	15	V	9.8	10.6	5.7	200
180970057	2011	1	27	16	V	0.07	6.2	5.89	213
180970057	2011	1	27	17	V	2.0	15.7	4.66	206
180970057	2011	1	27	18	V	0.09	10	3.95	215
180970057	2011	1	27	19	V	0.08	4.3	3.85	217
180970057	2011	1	27	20	V	0.1	5.1	4.15	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	27	21	V	0.5	2	2.91	209
180970057	2011	1	27	22	V	0.09	1.6	2.47	217
180970057	2011	1	27	23	V	0.9	1.4	2.86	239
180970057	2011	1	27	24	V	0.7	1.4	3.59	269
180970057	2011	1	28	1	V	0.03	1.5	5.34	301
180970057	2011	1	28	2	V	0.03	0.4	5.73	306
180970057	2011	1	28	3	V	0.02	0	6.3	317
180970057	2011	1	28	4	V	0.03	0	5.63	314
180970057	2011	1	28	5	V	0.05	0	4.83	313
180970057	2011	1	28	6	V	0.07	0	4.12	311
180970057	2011	1	28	7	V	0.07	0	3.06	293
180970057	2011	1	28	8	V	0.2	0	3.1	299
180970057	2011	1	28	9	V	0.4	0	3.08	301
180970057	2011	1	28	10	V	0.09	0	3.71	307
180970057	2011	1	28	11	V	0.1	0.3	3.61	293
180970057	2011	1	28	12	V	0.5	1	2.95	272
180970057	2011	1	28	13	V	0.1	0.6	3.22	283
180970057	2011	1	28	14	V	0.2	0.3	3.3	273
180970057	2011	1	28	15	V	0.8	0.2	2.81	276
180970057	2011	1	28	16	V	1.6	0.3	3.27	244
180970057	2011	1	28	17	V	1.4	0	2.83	244
180970057	2011	1	28	18	V	0.8	0	3.35	207
180970057	2011	1	28	19	V	0.09	0	2.69	212
180970057	2011	1	28	20	V	0.1	0.5	2.16	168
180970057	2011	1	28	21	V	0.07	1.1	2.93	172
180970057	2011	1	28	22	V	0.05	0	3.01	155
180970057	2011	1	28	23	V	8.9	0.5	3.71	185
180970057	2011	1	28	24	V	0.05	0	3.83	173
180970057	2011	1	29	1	V	0.03	0	2.88	160
180970057	2011	1	29	2	V	0.02	0	3.13	132
180970057	2011	1	29	3	V	0.02	0	3.69	156
180970057	2011	1	29	4	V	0.02	0.1	3.54	155
180970057	2011	1	29	5	V	0.4	0.1	4.68	180
180970057	2011	1	29	6	V	0.02	0.2	3.69	221
180970057	2011	1	29	7	V	0.08	1.1	4.49	235
180970057	2011	1	29	8	V	0.3	1.5	4.41	253
180970057	2011	1	29	9	V	0.3	0.5	4.75	256
180970057	2011	1	29	10	V	0.07	0.4	6.4	289
180970057	2011	1	29	11	V	0.05	0.1	7.71	302
180970057	2011	1	29	12	V	0.1	0.5	5.26	290
180970057	2011	1	29	13	V	0.1	0.7	4.83	306
180970057	2011	1	29	14	V	0.07	0.5	6.02	322
180970057	2011	1	29	15	V	0.07	0	4.66	301
180970057	2011	1	29	16	V	0.04	0	3.93	306
180970057	2011	1	29	17	V	0.03	0	3.56	306
180970057	2011	1	29	18	V	0.2	0	1.48	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	29	19	V	0.06	0	2.35	296
180970057	2011	1	29	20	V	0.2	0	1.77	318
180970057	2011	1	29	21	V	0.1	0	1.89	1
180970057	2011	1	29	22	V	33.9	0	1.01	53
180970057	2011	1	29	23	V	27.7	0	1.37	202
180970057	2011	1	29	24	V	0.2	0	1.59	130
180970057	2011	1	30	1	V	1.4	0	1.16	23
180970057	2011	1	30	2	V	0.3	0	1.5	355
180970057	2011	1	30	3	V	1.0	0	1.11	353
180970057	2011	1	30	4	V	0.1	0	2.01	25
180970057	2011	1	30	5	V	0.08	0	2.86	33
180970057	2011	1	30	6	V	0.3	0	2.95	37
180970057	2011	1	30	7	V	7.1	0	2.76	48
180970057	2011	1	30	8	V	15.8	0.5	2.5	43
180970057	2011	1	30	9	V	12.8	0	4.05	42
180970057	2011	1	30	10	V	15.0	1	3.22	54
180970057	2011	1	30	11	V	17.1	2.8	4.02	48
180970057	2011	1	30	12	V	2.6	1.6	5.33	62
180970057	2011	1	30	13	V	1.5	1.9	5.16	64
180970057	2011	1	30	14	V	11.1	4.9	4.42	54
180970057	2011	1	30	15	V	12.3	2.1	4.82	42
180970057	2011	1	30	16	V	1.5	1.6	5.19	49
180970057	2011	1	30	17	V	0.9	9.3	6.29	45
180970057	2011	1	30	18	V	0.3	10.7	5.67	40
180970057	2011	1	30	19	V	0.2	4.1	5.53	38
180970057	2011	1	30	20	V	0.9	3.5	4.85	41
180970057	2011	1	30	21	V	2.9	6.3	4.6	49
180970057	2011	1	30	22	V	0.1	0.7	4.22	59
180970057	2011	1	30	23	V	0.02	-999	5.44	67
180970057	2011	1	30	24	V	0.01	0	5.87	68
180970057	2011	1	31	1	V	0.2	3	6.41	55
180970057	2011	1	31	2	V	0.1	3.7	6.12	56
180970057	2011	1	31	3	V	0.05	0.6	6.16	58
180970057	2011	1	31	4	V	0.02	0.1	5.6	62
180970057	2011	1	31	5	V	0.04	0	5.65	59
180970057	2011	1	31	6	V	0.02	0	6.28	62
180970057	2011	1	31	7	V	0.02	0	5.87	72
180970057	2011	1	31	8	V	1.9	0.2	5.68	63
180970057	2011	1	31	9	V	0.3	0.5	6.48	69
180970057	2011	1	31	10	V	0.1	1.2	6.21	76
180970057	2011	1	31	11	V	0.06	1.7	7.35	79
180970057	2011	1	31	12	V	0.08	1.7	6.6	83
180970057	2011	1	31	13	V	0.09	1.9	6.52	81
180970057	2011	1	31	14	V	0.07	1.7	6.74	82
180970057	2011	1	31	15	V	0.04	1.7	6.62	90
180970057	2011	1	31	16	V	0.03	0.9	6.31	82

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	1	31	17	V	0.04	0.6	5.04	73
180970057	2011	1	31	18	V	1.1	4.1	5.73	51
180970057	2011	1	31	19	V	0.04	0.1	6.48	64
180970057	2011	1	31	20	V	0.03	0	6.57	67
180970057	2011	1	31	21	V	0.02	0	6.91	88
180970057	2011	1	31	22	V	0.02	0	7.09	98
180970057	2011	1	31	23	V	0.04	0	5.38	100
180970057	2011	1	31	24	V	0.04	0	5.41	99
180970057	2011	2	1	1	V	0.06	0.5	4.51	107
180970057	2011	2	1	2	V	0.06	0.2	2.98	97
180970057	2011	2	1	3	V	0.6	0	2.13	60
180970057	2011	2	1	4	V	0.06	0	3.63	20
180970057	2011	2	1	5	V	0.06	0	4.63	29
180970057	2011	2	1	6	V	0.03	0	5.84	28
180970057	2011	2	1	7	V	0.05	0	6.04	31
180970057	2011	2	1	8	V	0.5	0	5.97	35
180970057	2011	2	1	9	V	11.3	2.8	5.12	40
180970057	2011	2	1	10	V	18.5	4.5	5.34	48
180970057	2011	2	1	11	V	18.4	6.2	5.67	45
180970057	2011	2	1	12	V	12.0	3.4	6.01	41
180970057	2011	2	1	13	V	16.5	4.7	6.4	43
180970057	2011	2	1	14	V	20.7	4.7	7.76	46
180970057	2011	2	1	15	V	1.7	9.2	8.05	48
180970057	2011	2	1	16	V	1.2	13.4	8.33	51
180970057	2011	2	1	17	V	1.3	18.1	8.4	50
180970057	2011	2	1	18	V	0.4	9.1	9.42	58
180970057	2011	2	1	19	V	2.0	8.9	11.24	56
180970057	2011	2	1	20	V	0.4	2.9	11.75	64
180970057	2011	2	1	21	V	0.04	1.1	9.66	73
180970057	2011	2	1	22	V	0.02	0.9	7.93	81
180970057	2011	2	1	23	V	0.02	0.9	6.79	91
180970057	2011	2	1	24	V	0.02	0.7	5.9	112
180970057	2011	2	2	1	V	3.1	0.9	8.18	185
180970057	2011	2	2	2	V	0.04	0.3	12.65	226
180970057	2011	2	2	3	V	0.03	0.5	14.44	220
180970057	2011	2	2	4	V	0.02	0.2	12.62	220
180970057	2011	2	2	5	V	0.03	0	12.24	222
180970057	2011	2	2	6	V	0.1	0	14.13	230
180970057	2011	2	2	7	V	0.5	0	13.49	242
180970057	2011	2	2	8	V	0.5	0	12.7	250
180970057	2011	2	2	9	V	0.2	0	11.48	257
180970057	2011	2	2	10	V	0.2	0	10.87	253
180970057	2011	2	2	11	V	0.2	0	9.59	262
180970057	2011	2	2	12	V	0.1	0	9.49	274
180970057	2011	2	2	13	V	0.08	0	9.73	282
180970057	2011	2	2	14	V	0.09	0	9.37	280

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	2	15	V	0.06	0	8.93	284
180970057	2011	2	2	16	V	0.04	0	8.08	289
180970057	2011	2	2	17	V	0.1	0	7.47	285
180970057	2011	2	2	18	V	0.06	0	6.67	287
180970057	2011	2	2	19	V	0.2	0	6.12	282
180970057	2011	2	2	20	V	0.6	0	6.65	273
180970057	2011	2	2	21	V	0.2	0	7.3	281
180970057	2011	2	2	22	V	0.09	0	6.84	285
180970057	2011	2	2	23	V	0.03	0	6.18	296
180970057	2011	2	2	24	V	0.03	0	5.79	296
180970057	2011	2	3	1	V	0.07	0	5.09	286
180970057	2011	2	3	2	V	0.1	0	4.46	284
180970057	2011	2	3	3	V	0.2	0	4.05	282
180970057	2011	2	3	4	V	0.06	0	3.07	285
180970057	2011	2	3	5	V	0.1	0	2.93	282
180970057	2011	2	3	6	V	0.9	0	3.35	273
180970057	2011	2	3	7	V	0.8	0	3.37	266
180970057	2011	2	3	8	V	0.7	0	3.01	266
180970057	2011	2	3	9	V	0.9	0	3.1	266
180970057	2011	2	3	10	V	1.0	0	3.24	285
180970057	2011	2	3	11	V	3.2	0	2.06	312
180970057	2011	2	3	12	V	7.6	1	1.54	246
180970057	2011	2	3	13	V	1.8	1.3	2.83	234
180970057	2011	2	3	14	V	1.7	1.4	2.84	236
180970057	2011	2	3	15	V	1.1	39.4	3.37	243
180970057	2011	2	3	16	V	1.6	1.3	3.07	244
180970057	2011	2	3	17	V	0.4	1.1	3.98	235
180970057	2011	2	3	18	V	1.1	0.4	3.95	242
180970057	2011	2	3	19	V	1.4	0	3.39	246
180970057	2011	2	3	20	V	1.2	0	3.15	259
180970057	2011	2	3	21	V	1.2	0	3.08	262
180970057	2011	2	3	22	V	1.6	0	2.96	247
180970057	2011	2	3	23	V	1.8	0	2.56	247
180970057	2011	2	3	24	V	0.7	0.8	2.62	238
180970057	2011	2	4	1	V	0.3	0.5	2.61	251
180970057	2011	2	4	2	V	0.1	0.4	2.74	226
180970057	2011	2	4	3	V	0.07	0.1	3.07	227
180970057	2011	2	4	4	V	0.1	0.3	2.62	226
180970057	2011	2	4	5	V	0.1	0.8	2.51	215
180970057	2011	2	4	6	V	0.1	0.9	2.49	216
180970057	2011	2	4	7	V	4.5	3.1	2.86	203
180970057	2011	2	4	8	V	1.2	6.3	1.98	240
180970057	2011	2	4	9	V	16.3	8.6	2.91	210
180970057	2011	2	4	10	V	3.7	11.7	2.96	219
180970057	2011	2	4	11	V	1.9	9.9	2.59	230
180970057	2011	2	4	12	V	1.5	11.2	2.95	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	4	13	V	0.7	8	3.59	229
180970057	2011	2	4	14	V	0.9	11.1	3.73	246
180970057	2011	2	4	15	V	0.7	9	2.79	240
180970057	2011	2	4	16	V	0.4	33	2.08	227
180970057	2011	2	4	17	V	0.7	19.7	1.86	233
180970057	2011	2	4	18	V	1.1	17.4	2.45	257
180970057	2011	2	4	19	V	2.1	4.8	1.23	255
180970057	2011	2	4	20	C	-999	2.9	0	0
180970057	2011	2	4	21	V	1.6	2.9	1.16	117
180970057	2011	2	4	22	V	0.1	2.6	2.28	135
180970057	2011	2	4	23	V	0.3	2.3	1.72	126
180970057	2011	2	4	24	V	2.5	2.2	0.99	345
180970057	2011	2	5	1	V	0.1	2.2	2.03	347
180970057	2011	2	5	2	V	0.1	1.9	2.35	18
180970057	2011	2	5	3	V	1.2	1.8	1.2	12
180970057	2011	2	5	4	V	0.2	1.8	3.52	32
180970057	2011	2	5	5	V	0.09	1.5	2.38	88
180970057	2011	2	5	6	V	0.4	1	1.65	146
180970057	2011	2	5	7	V	9.7	0.5	2.32	51
180970057	2011	2	5	8	V	0.9	0.3	3.12	68
180970057	2011	2	5	9	V	16.8	2.2	3.32	49
180970057	2011	2	5	10	V	4.1	2.4	1.67	20
180970057	2011	2	5	11	V	0.3	1	3.93	329
180970057	2011	2	5	12	V	0.1	1	5.7	338
180970057	2011	2	5	13	V	0.1	1.3	5.68	322
180970057	2011	2	5	14	V	0.09	2.9	7.03	299
180970057	2011	2	5	15	V	0.09	4.4	6.11	289
180970057	2011	2	5	16	V	1.0	2.2	5.96	260
180970057	2011	2	5	17	V	0.8	1.5	5.8	245
180970057	2011	2	5	18	V	0.7	0.6	6.4	245
180970057	2011	2	5	19	V	0.8	1.7	5.04	240
180970057	2011	2	5	20	V	0.1	0.6	4.73	223
180970057	2011	2	5	21	V	0.06	0.5	5.56	219
180970057	2011	2	5	22	V	0.1	0	6.48	225
180970057	2011	2	5	23	V	0.1	0	5.56	225
180970057	2011	2	5	24	V	0.1	0.5	4.95	213
180970057	2011	2	6	1	V	13.1	1.4	4.65	201
180970057	2011	2	6	2	V	4.3	3.8	5.77	202
180970057	2011	2	6	3	V	0.2	2.1	6.96	210
180970057	2011	2	6	4	V	0.03	2.4	5.64	219
180970057	2011	2	6	5	V	2.7	0.8	5.34	204
180970057	2011	2	6	6	V	4.1	0.3	5.24	203
180970057	2011	2	6	7	V	20.8	0.6	4.99	188
180970057	2011	2	6	8	V	16.8	0.6	5.41	187
180970057	2011	2	6	9	V	0.2	0.4	4.58	168
180970057	2011	2	6	10	V	0.2	0.2	3.81	160

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	6	11	V	0.2	0.9	4.83	166
180970057	2011	2	6	12	V	2.1	1.5	4.9	176
180970057	2011	2	6	13	V	22.9	1.6	4.54	187
180970057	2011	2	6	14	V	27.8	1.9	4.58	195
180970057	2011	2	6	15	V	1.6	1.8	4.37	209
180970057	2011	2	6	16	V	0.09	1.6	3.4	215
180970057	2011	2	6	17	V	1.4	1.7	2.96	245
180970057	2011	2	6	18	V	1.5	0.7	2.67	245
180970057	2011	2	6	19	V	1.0	0.3	2.78	263
180970057	2011	2	6	20	V	1.0	0.3	2.71	251
180970057	2011	2	6	21	V	1.0	0.6	2.35	239
180970057	2011	2	6	22	V	0.9	0.5	2.95	239
180970057	2011	2	6	23	V	1.1	-999	4.31	249
180970057	2011	2	6	24	V	1.0	0.4	4.27	259
180970057	2011	2	7	1	V	1.0	0.1	2.98	263
180970057	2011	2	7	2	V	0.8	0	3.06	270
180970057	2011	2	7	3	V	0.8	0	3.2	270
180970057	2011	2	7	4	V	0.2	0	3.35	283
180970057	2011	2	7	5	V	0.04	0	3.68	302
180970057	2011	2	7	6	V	0.05	0	3.13	304
180970057	2011	2	7	7	V	0.04	0	5.21	318
180970057	2011	2	7	8	V	0.1	0	4.56	322
180970057	2011	2	7	9	V	0.1	0	4.92	340
180970057	2011	2	7	10	V	0.1	0	5.07	341
180970057	2011	2	7	11	V	0.1	0	5.62	338
180970057	2011	2	7	12	V	0.1	0.3	5.99	340
180970057	2011	2	7	13	V	0.1	0.4	5.46	337
180970057	2011	2	7	14	V	0.1	0.1	5.46	330
180970057	2011	2	7	15	V	0.09	0	6.77	334
180970057	2011	2	7	16	V	0.03	0	6.02	334
180970057	2011	2	7	17	V	0.03	0	5.75	322
180970057	2011	2	7	18	V	0.02	0	6.35	319
180970057	2011	2	7	19	V	0.02	0	7.15	312
180970057	2011	2	7	20	V	0.02	0	7.16	315
180970057	2011	2	7	21	V	0.02	0	6.46	306
180970057	2011	2	7	22	V	0.02	0	6.57	300
180970057	2011	2	7	23	V	0.02	0	6.38	302
180970057	2011	2	7	24	V	0.03	0	5.96	294
180970057	2011	2	8	1	V	0.03	0	8.46	290
180970057	2011	2	8	2	V	0.2	0	6.96	281
180970057	2011	2	8	3	V	0.09	0	7.46	285
180970057	2011	2	8	4	V	0.02	0	9.56	291
180970057	2011	2	8	5	V	0.3	0	5.36	280
180970057	2011	2	8	6	V	0.03	0	5.36	292
180970057	2011	2	8	7	V	0.3	0	3.86	281
180970057	2011	2	8	8	V	0.4	0	4.86	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	8	9	V	0.2	0	5.96	281
180970057	2011	2	8	10	V	0.2	0	7.46	274
180970057	2011	2	8	11	V	0.2	0	7.96	266
180970057	2011	2	8	12	V	0.2	0	6.46	283
180970057	2011	2	8	13	V	0.1	0	7.96	324
180970057	2011	2	8	14	V	0.2	0	4.86	292
180970057	2011	2	8	15	V	0.1	0	5.96	302
180970057	2011	2	8	16	V	0.03	0	5.96	323
180970057	2011	2	8	17	V	0.03	0	5.36	298
180970057	2011	2	8	18	V	0.03	0	5.36	309
180970057	2011	2	8	19	V	0.04	0	3.36	295
180970057	2011	2	8	20	V	0.08	0	2.86	297
180970057	2011	2	8	21	V	0.4	0	1.76	313
180970057	2011	2	8	22	V	0.2	0	2.04	301
180970057	2011	2	8	23	V	0.5	0	2.79	279
180970057	2011	2	8	24	V	0.08	0	2.71	288
180970057	2011	2	9	1	V	0.07	0	3.68	303
180970057	2011	2	9	2	V	0.08	0	2.76	296
180970057	2011	2	9	3	V	0.2	0	2.35	282
180970057	2011	2	9	4	V	0.7	0	2.71	268
180970057	2011	2	9	5	V	0.3	0	3.08	243
180970057	2011	2	9	6	V	0.4	0	3.93	247
180970057	2011	2	9	7	V	0.4	0	4.03	247
180970057	2011	2	9	8	V	0.4	0	4.03	248
180970057	2011	2	9	9	V	0.8	0	3.56	247
180970057	2011	2	9	10	V	0.7	0.7	3.98	248
180970057	2011	2	9	11	V	0.9	1.1	3.88	244
180970057	2011	2	9	12	V	1.0	0.4	3.47	247
180970057	2011	2	9	13	V	0.7	0.2	3.81	259
180970057	2011	2	9	14	V	0.5	0.2	4.36	261
180970057	2011	2	9	15	V	0.5	0.6	4.1	259
180970057	2011	2	9	16	V	1.0	0.9	4.19	261
180970057	2011	2	9	17	V	1.0	1.9	4.71	251
180970057	2011	2	9	18	V	0.8	1.3	5.22	242
180970057	2011	2	9	19	V	1.0	0.7	4.83	249
180970057	2011	2	9	20	V	0.9	0.2	4.87	262
180970057	2011	2	9	21	V	0.6	0.9	4.51	276
180970057	2011	2	9	22	V	0.07	1.5	4.31	287
180970057	2011	2	9	23	V	0.4	1	3.71	279
180970057	2011	2	9	24	V	1.1	0.7	3.49	260
180970057	2011	2	10	1	V	0.4	0.5	3.39	279
180970057	2011	2	10	2	V	0.05	0.1	3.59	286
180970057	2011	2	10	3	V	0.06	0	3.18	293
180970057	2011	2	10	4	V	1.1	0	3.08	274
180970057	2011	2	10	5	V	0.5	0	2.95	270
180970057	2011	2	10	6	V	1.0	0	2.69	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	10	7	V	1.0	0.1	2.62	263
180970057	2011	2	10	8	V	1.2	0.3	2.32	265
180970057	2011	2	10	9	V	3.2	1.1	1.99	252
180970057	2011	2	10	10	V	12.9	1.5	2.9	214
180970057	2011	2	10	11	V	18.8	1.5	2.49	215
180970057	2011	2	10	12	V	4.4	2.5	1.69	251
180970057	2011	2	10	13	V	27.7	7.3	1.99	212
180970057	2011	2	10	14	V	0.5	6.9	4.58	248
180970057	2011	2	10	15	V	0.6	1	5.05	240
180970057	2011	2	10	16	V	0.3	1	5.82	230
180970057	2011	2	10	17	V	0.2	3	5.67	230
180970057	2011	2	10	18	V	0.2	11.8	5.62	210
180970057	2011	2	10	19	V	1.1	14.7	4.7	207
180970057	2011	2	10	20	V	2.5	4.6	4.46	206
180970057	2011	2	10	21	V	4.1	2.1	5.68	203
180970057	2011	2	10	22	V	0.06	5	6.06	214
180970057	2011	2	10	23	V	0.05	12.5	5.87	215
180970057	2011	2	10	24	V	0.06	6.9	5.44	219
180970057	2011	2	11	1	V	0.04	3.9	5.43	220
180970057	2011	2	11	2	V	0.04	4.6	5.29	220
180970057	2011	2	11	3	V	0.05	3.3	5.43	228
180970057	2011	2	11	4	V	0.04	3.3	5.58	230
180970057	2011	2	11	5	V	0.04	3.2	5.63	228
180970057	2011	2	11	6	V	0.07	2.8	4.27	229
180970057	2011	2	11	7	V	0.09	2.9	4.53	225
180970057	2011	2	11	8	V	2.2	6.1	3.52	213
180970057	2011	2	11	9	V	78.9	10.5	2.76	194
180970057	2011	2	11	10	V	47.7	20.6	4.17	198
180970057	2011	2	11	11	V	48.8	20.4	4.17	187
180970057	2011	2	11	12	V	31.1	19	4.59	184
180970057	2011	2	11	13	V	21.0	20.8	4.37	203
180970057	2011	2	11	14	V	0.5	14.3	5	238
180970057	2011	2	11	15	V	0.5	8.8	6.92	239
180970057	2011	2	11	16	V	0.1	3.4	6.52	226
180970057	2011	2	11	17	V	0.07	4.1	6.77	223
180970057	2011	2	11	18	V	0.04	4.1	6.11	218
180970057	2011	2	11	19	V	0.05	3.5	6.19	215
180970057	2011	2	11	20	V	0.03	3.1	6.81	217
180970057	2011	2	11	21	V	0.05	2.8	7.01	222
180970057	2011	2	11	22	V	0.06	3.4	6.23	221
180970057	2011	2	11	23	V	0.05	3.1	6.92	222
180970057	2011	2	11	24	V	0.1	2.6	7.42	229
180970057	2011	2	12	1	V	0.03	2.4	7.25	229
180970057	2011	2	12	2	V	0.2	2.1	8.13	239
180970057	2011	2	12	3	V	0.3	1.8	7.52	246
180970057	2011	2	12	4	V	0.5	1.7	7.13	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	12	5	V	0.5	1.6	5.68	251
180970057	2011	2	12	6	V	0.8	0.7	5.38	257
180970057	2011	2	12	7	V	0.9	0.6	6.23	263
180970057	2011	2	12	8	V	0.3	0.2	5.55	257
180970057	2011	2	12	9	V	0.5	0.4	5.39	247
180970057	2011	2	12	10	V	0.3	1.6	6.16	258
180970057	2011	2	12	11	V	0.2	1.6	6.06	271
180970057	2011	2	12	12	V	0.3	1.8	5.48	267
180970057	2011	2	12	13	V	0.6	2	4.71	247
180970057	2011	2	12	14	V	0.6	2.4	5.77	242
180970057	2011	2	12	15	V	0.6	2.5	6.35	239
180970057	2011	2	12	16	V	0.7	3.4	6.58	238
180970057	2011	2	12	17	V	0.5	1.7	5.29	237
180970057	2011	2	12	18	V	0.3	0.5	4.82	228
180970057	2011	2	12	19	V	25.2	1	3.37	200
180970057	2011	2	12	20	V	64.6	5.7	4.37	193
180970057	2011	2	12	21	V	6.2	4.8	5.63	183
180970057	2011	2	12	22	V	17.8	5	5.75	198
180970057	2011	2	12	23	V	5.6	2.1	7.83	200
180970057	2011	2	12	24	V	3.4	1.3	6.53	203
180970057	2011	2	13	1	V	0.09	3.2	6.6	212
180970057	2011	2	13	2	V	0.02	7.7	6.62	223
180970057	2011	2	13	3	V	0.05	4.2	7.69	231
180970057	2011	2	13	4	V	0.06	2.1	6.74	234
180970057	2011	2	13	5	V	0.07	1.2	6.23	235
180970057	2011	2	13	6	V	0.09	1	5.67	236
180970057	2011	2	13	7	V	0.04	0.8	6.58	228
180970057	2011	2	13	8	V	0.09	0.5	6.84	226
180970057	2011	2	13	9	V	0.1	1.1	6.99	228
180970057	2011	2	13	10	V	0.1	2.9	7.72	228
180970057	2011	2	13	11	V	0.1	3.3	7.03	224
180970057	2011	2	13	12	V	0.2	3.9	7.45	230
180970057	2011	2	13	13	V	0.1	2.9	7.91	228
180970057	2011	2	13	14	V	0.1	2.9	5.51	225
180970057	2011	2	13	15	V	0.1	5.6	5.44	218
180970057	2011	2	13	16	V	0.1	11.7	5.07	214
180970057	2011	2	13	17	V	0.2	15	5.58	227
180970057	2011	2	13	18	V	0.08	4.3	5.53	212
180970057	2011	2	13	19	V	0.5	8.1	7.2	206
180970057	2011	2	13	20	V	0.5	2.4	7.43	206
180970057	2011	2	13	21	V	0.8	2	8.28	205
180970057	2011	2	13	22	V	0.04	8.3	8.74	214
180970057	2011	2	13	23	V	0.06	-999	10.43	225
180970057	2011	2	13	24	V	0.2	2.7	11.34	231
180970057	2011	2	14	1	V	0.1	1.8	9.58	233
180970057	2011	2	14	2	V	0.3	1.4	9.51	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	14	3	V	0.4	1.2	9.27	243
180970057	2011	2	14	4	V	0.4	1	8.35	246
180970057	2011	2	14	5	V	0.6	1.5	8.08	253
180970057	2011	2	14	6	V	0.8	0.7	8.11	261
180970057	2011	2	14	7	V	0.6	0.2	9.17	268
180970057	2011	2	14	8	V	0.08	0	9.97	281
180970057	2011	2	14	9	V	0.1	0	8.78	278
180970057	2011	2	14	10	V	0.08	0	8.91	284
180970057	2011	2	14	11	V	0.08	0	8.22	285
180970057	2011	2	14	12	V	0.09	0.2	8.83	290
180970057	2011	2	14	13	V	0.09	0.5	8.78	293
180970057	2011	2	14	14	V	0.09	0.5	8.01	303
180970057	2011	2	14	15	V	0.06	0.1	8.16	306
180970057	2011	2	14	16	V	0.02	0	7.5	314
180970057	2011	2	14	17	V	0.02	0	6.41	320
180970057	2011	2	14	18	V	0.04	0	4.83	331
180970057	2011	2	14	19	V	0.05	0	3.01	327
180970057	2011	2	14	20	V	0.3	0	1.91	314
180970057	2011	2	14	21	V	0.3	0	1.84	300
180970057	2011	2	14	22	V	0.2	0	2.13	329
180970057	2011	2	14	23	V	0.2	0	2.08	307
180970057	2011	2	14	24	V	0.09	0	2.59	338
180970057	2011	2	15	1	V	0.08	0	2.66	354
180970057	2011	2	15	2	V	0.2	0	2.01	26
180970057	2011	2	15	3	V	4.2	1.6	3.32	48
180970057	2011	2	15	4	V	1.0	4.5	4.37	55
180970057	2011	2	15	5	V	0.04	0	3.4	78
180970057	2011	2	15	6	V	0.04	0	4.27	83
180970057	2011	2	15	7	V	0.1	0	3.56	102
180970057	2011	2	15	8	V	0.4	0	3.32	114
180970057	2011	2	15	9	V	0.2	0	4.46	106
180970057	2011	2	15	10	V	0.2	0	5.34	126
180970057	2011	2	15	11	V	0.2	0.2	4.78	137
180970057	2011	2	15	12	V	0.09	0.9	5.94	135
180970057	2011	2	15	13	V	0.1	3.4	5.79	136
180970057	2011	2	15	14	V	0.1	4.4	4.54	147
180970057	2011	2	15	15	V	0.08	4.7	4.7	129
180970057	2011	2	15	16	V	0.07	5	4.87	130
180970057	2011	2	15	17	V	0.02	7.1	6.28	131
180970057	2011	2	15	18	V	0.03	4.8	5.33	131
180970057	2011	2	15	19	V	0.03	2.7	5.39	127
180970057	2011	2	15	20	V	0.04	0.7	5.33	126
180970057	2011	2	15	21	V	0.04	1.3	5.17	140
180970057	2011	2	15	22	V	0.06	0.7	4.32	153
180970057	2011	2	15	23	V	0.06	0.3	3.81	149
180970057	2011	2	15	24	V	0.05	0.7	4.58	152

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	16	1	V	0.06	0.4	3.97	167
180970057	2011	2	16	2	V	0.07	0.3	3.23	163
180970057	2011	2	16	3	V	0.07	0.3	2.71	155
180970057	2011	2	16	4	V	0.07	0.1	2.54	152
180970057	2011	2	16	5	V	0.07	0.2	3.2	150
180970057	2011	2	16	6	V	0.06	0.4	3.13	139
180970057	2011	2	16	7	V	0.1	0.4	2.45	142
180970057	2011	2	16	8	V	0.6	0.7	2.52	144
180970057	2011	2	16	9	V	0.8	1.1	2.64	145
180970057	2011	2	16	10	V	1.4	3	2.56	142
180970057	2011	2	16	11	V	29.4	17.7	3.98	182
180970057	2011	2	16	12	V	40.1	9.8	4.49	196
180970057	2011	2	16	13	V	3.9	8.4	5.26	209
180970057	2011	2	16	14	V	0.5	14.4	3.42	227
180970057	2011	2	16	15	V	19.0	11.5	4.87	200
180970057	2011	2	16	16	V	1.6	6.5	5.9	209
180970057	2011	2	16	17	V	0.1	5.5	5.8	211
180970057	2011	2	16	18	V	0.5	4.3	3	209
180970057	2011	2	16	19	V	40.3	2.4	3.1	188
180970057	2011	2	16	20	V	0.08	1.8	3.88	164
180970057	2011	2	16	21	V	0.06	1.3	4.46	159
180970057	2011	2	16	22	V	0.05	1.1	4.71	165
180970057	2011	2	16	23	V	0.03	0.8	5.43	168
180970057	2011	2	16	24	V	0.05	0.6	5.67	173
180970057	2011	2	17	1	V	0.03	0.5	4.87	158
180970057	2011	2	17	2	V	0.02	0.3	5.87	165
180970057	2011	2	17	3	V	0.02	0.5	6.4	171
180970057	2011	2	17	4	V	0.3	0.6	6.06	177
180970057	2011	2	17	5	V	0.6	0.5	6.64	180
180970057	2011	2	17	6	V	0.03	0.6	5.33	171
180970057	2011	2	17	7	V	0.05	0.9	5.05	166
180970057	2011	2	17	8	V	0.1	0.8	5.56	166
180970057	2011	2	17	9	V	0.1	0.7	6.02	163
180970057	2011	2	17	10	V	0.8	1.5	6.99	173
180970057	2011	2	17	11	V	18.1	19.1	9.22	186
180970057	2011	2	17	12	V	16.2	54.6	9.76	186
180970057	2011	2	17	13	V	25.2	58.7	11.72	196
180970057	2011	2	17	14	V	24.8	26.3	12.01	197
180970057	2011	2	17	15	V	28.3	15.3	11.31	196
180970057	2011	2	17	16	V	11.4	7.7	11.38	201
180970057	2011	2	17	17	V	18.6	5.8	11.17	197
180970057	2011	2	17	18	V	4.8	5.2	9.54	201
180970057	2011	2	17	19	V	3.1	4.3	9.17	203
180970057	2011	2	17	20	V	2.9	1.9	9.73	204
180970057	2011	2	17	21	V	1.0	1.5	11	208
180970057	2011	2	17	22	V	0.08	2.3	11.97	213

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	17	23	V	0.03	1.5	11.8	218
180970057	2011	2	17	24	V	0.04	1.4	10.97	223
180970057	2011	2	18	1	V	0.02	0.7	10.29	224
180970057	2011	2	18	2	V	0.02	0.2	10.19	225
180970057	2011	2	18	3	V	0.09	0	8.18	234
180970057	2011	2	18	4	V	0.3	0	7.43	246
180970057	2011	2	18	5	V	0.4	0	7.25	277
180970057	2011	2	18	6	V	0.02	0	5.72	292
180970057	2011	2	18	7	V	0.3	0	4.54	282
180970057	2011	2	18	8	V	0.6	0	3.71	276
180970057	2011	2	18	9	V	0.9	0	3.73	271
180970057	2011	2	18	10	V	0.2	0	5.41	285
180970057	2011	2	18	11	V	0.2	0	5.58	280
180970057	2011	2	18	12	V	0.09	0	7.83	287
180970057	2011	2	18	13	V	0.06	0	9.12	296
180970057	2011	2	18	14	V	0.07	0	8.74	294
180970057	2011	2	18	15	V	0.06	0	8.27	295
180970057	2011	2	18	16	V	0.03	0	7.69	292
180970057	2011	2	18	17	V	0.02	0	8.47	292
180970057	2011	2	18	18	V	0.02	0	7.64	292
180970057	2011	2	18	19	V	0.02	0	6.12	299
180970057	2011	2	18	20	V	0.03	0	5.12	302
180970057	2011	2	18	21	V	0.04	0	4.63	299
180970057	2011	2	18	22	V	0.04	0	4.26	299
180970057	2011	2	18	23	V	0.03	0	3.81	289
180970057	2011	2	18	24	V	0.7	0	3.32	277
180970057	2011	2	19	1	V	0.7	0	3.32	266
180970057	2011	2	19	2	V	0.01	0	4.53	300
180970057	2011	2	19	3	V	0.01	0	4.07	301
180970057	2011	2	19	4	V	0.8	0	3.34	275
180970057	2011	2	19	5	V	0.7	0	3.66	276
180970057	2011	2	19	6	V	0.1	0	3.73	283
180970057	2011	2	19	7	V	0.05	0	3.25	305
180970057	2011	2	19	8	V	0.1	0	3.68	331
180970057	2011	2	19	9	V	0.2	0	3.29	329
180970057	2011	2	19	10	V	0.1	0	3.32	342
180970057	2011	2	19	11	V	0.4	0	2.67	356
180970057	2011	2	19	12	V	15.8	0.9	1.96	35
180970057	2011	2	19	13	V	7.2	5.5	2.01	23
180970057	2011	2	19	14	V	0.4	0.7	2.47	354
180970057	2011	2	19	15	V	0.07	0.3	2.66	3
180970057	2011	2	19	16	V	15.0	8.3	2.47	40
180970057	2011	2	19	17	V	2.5	0.6	3.59	52
180970057	2011	2	19	18	V	4.0	0	3.73	44
180970057	2011	2	19	19	V	0.2	0	3.41	57
180970057	2011	2	19	20	V	3.8	0.8	3.54	49

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	19	21	V	1.3	0.2	3.44	53
180970057	2011	2	19	22	V	3.1	0	3.29	50
180970057	2011	2	19	23	V	0.01	0	3.19	63
180970057	2011	2	19	24	V	0.01	0	4.07	77
180970057	2011	2	20	1	V	0.01	0	3.42	85
180970057	2011	2	20	2	V	0.01	0	4.02	97
180970057	2011	2	20	3	V	0.02	0	4.27	108
180970057	2011	2	20	4	V	0.01	0.2	5.11	109
180970057	2011	2	20	5	V	0.01	0.5	4.83	115
180970057	2011	2	20	6	V	0.01	0	4.54	119
180970057	2011	2	20	7	V	0.03	0	3.18	91
180970057	2011	2	20	8	V	0.06	0	4.27	102
180970057	2011	2	20	9	V	0.05	2.5	5.67	102
180970057	2011	2	20	10	V	0.04	5.4	6.16	117
180970057	2011	2	20	11	V	0.04	6.3	7.33	131
180970057	2011	2	20	12	V	0.04	5.3	6.92	134
180970057	2011	2	20	13	V	0.03	5.7	8.2	136
180970057	2011	2	20	14	V	0.03	5.8	7.74	146
180970057	2011	2	20	15	V	0.04	5.4	7.28	150
180970057	2011	2	20	16	V	0.01	4.5	6.99	145
180970057	2011	2	20	17	V	0.01	2.8	5.34	150
180970057	2011	2	20	18	V	0.01	1.6	4.48	145
180970057	2011	2	20	19	V	0.02	0.6	3.91	134
180970057	2011	2	20	20	V	0.01	0.4	4.46	144
180970057	2011	2	20	21	V	0.01	0.4	4.76	152
180970057	2011	2	20	22	V	0.02	0.2	3.8	154
180970057	2011	2	20	23	V	0.02	-999	3.86	169
180970057	2011	2	20	24	V	1.0	0.4	5.63	195
180970057	2011	2	21	1	V	0.09	0.2	9.37	232
180970057	2011	2	21	2	V	0.04	0	7.91	232
180970057	2011	2	21	3	V	0.02	0	6.16	230
180970057	2011	2	21	4	V	0.04	0	4.9	233
180970057	2011	2	21	5	V	0.5	0	5.41	251
180970057	2011	2	21	6	V	0.2	0	6.09	282
180970057	2011	2	21	7	V	0.9	0	2.74	270
180970057	2011	2	21	8	V	5.4	0	2.98	192
180970057	2011	2	21	9	V	0.8	0	2.45	214
180970057	2011	2	21	10	V	2.2	0	8.27	33
180970057	2011	2	21	11	V	13.4	-999	6.09	52
180970057	2011	2	21	12	V	6.4	0.2	5.55	58
180970057	2011	2	21	13	V	13.5	0	5.7	52
180970057	2011	2	21	14	V	16.7	2.6	6.87	47
180970057	2011	2	21	15	V	5.0	0.8	7.06	36
180970057	2011	2	21	16	V	0.01	0	7.26	18
180970057	2011	2	21	17	V	0.01	0	6.74	20
180970057	2011	2	21	18	V	0.9	0.1	6.99	43

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	21	19	V	0.05	1.2	5.22	32
180970057	2011	2	21	20	V	0.01	0	5.38	12
180970057	2011	2	21	21	V	0.3	0	4.95	35
180970057	2011	2	21	22	V	2.7	0.3	4.51	41
180970057	2011	2	21	23	V	0.3	0	2.67	35
180970057	2011	2	21	24	V	0.03	0	3.44	2
180970057	2011	2	22	1	V	2.0	0	4.39	39
180970057	2011	2	22	2	V	6.9	0	4.26	48
180970057	2011	2	22	3	V	0.04	0	4	74
180970057	2011	2	22	4	V	0.04	0	3.42	80
180970057	2011	2	22	5	V	7.4	0	2.64	44
180970057	2011	2	22	6	V	4.0	0	1.61	60
180970057	2011	2	22	7	V	0.9	0	1.14	84
180970057	2011	2	22	8	V	0.4	0	1.28	18
180970057	2011	2	22	9	V	0.4	0	1.86	16
180970057	2011	2	22	10	V	0.2	0	2.64	16
180970057	2011	2	22	11	V	0.3	0	2.23	11
180970057	2011	2	22	12	V	0.4	0	2.11	334
180970057	2011	2	22	13	V	0.2	0	3.32	318
180970057	2011	2	22	14	V	0.1	0	3.68	326
180970057	2011	2	22	15	V	0.07	0	4.09	335
180970057	2011	2	22	16	V	0.1	0	3.81	327
180970057	2011	2	22	17	V	0.09	0	3.73	345
180970057	2011	2	22	18	V	0.08	0	3.63	355
180970057	2011	2	22	19	V	0.08	0	3.97	4
180970057	2011	2	22	20	V	0.08	0	4.2	18
180970057	2011	2	22	21	V	0.08	0	3.83	25
180970057	2011	2	22	22	V	0.08	0	3.49	27
180970057	2011	2	22	23	V	0.4	0	2.91	35
180970057	2011	2	22	24	V	12.2	0	2.3	49
180970057	2011	2	23	1	V	3.3	0	2.52	40
180970057	2011	2	23	2	V	2.4	0	1.81	60
180970057	2011	2	23	3	V	0.2	0	2.16	103
180970057	2011	2	23	4	V	0.06	0	2.35	117
180970057	2011	2	23	5	V	0.04	0	3.17	121
180970057	2011	2	23	6	V	0.05	0	2.64	114
180970057	2011	2	23	7	V	0.09	3.2	2.45	93
180970057	2011	2	23	8	V	0.4	8.2	2.3	111
180970057	2011	2	23	9	V	0.4	5.5	2.71	120
180970057	2011	2	23	10	V	0.3	3.9	3.29	121
180970057	2011	2	23	11	V	0.3	2.4	2.9	115
180970057	2011	2	23	12	V	0.09	1.3	3.95	130
180970057	2011	2	23	13	V	0.09	1	3.59	139
180970057	2011	2	23	14	V	0.06	0.4	4.17	125
180970057	2011	2	23	15	V	0.07	1	4.46	130
180970057	2011	2	23	16	V	0.03	7.7	5.36	129

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	23	17	V	0.02	3.4	5.46	139
180970057	2011	2	23	18	V	0.03	2.5	5.36	138
180970057	2011	2	23	19	V	0.04	7.5	4.41	128
180970057	2011	2	23	20	V	0.04	9.4	4.07	117
180970057	2011	2	23	21	V	0.05	6.2	3.76	113
180970057	2011	2	23	22	V	0.03	3.4	4.51	125
180970057	2011	2	23	23	V	0.05	2.3	3.27	75
180970057	2011	2	23	24	V	0.03	0.5	4.97	137
180970057	2011	2	24	1	V	0.05	0	3.12	167
180970057	2011	2	24	2	V	0.04	0	3.34	161
180970057	2011	2	24	3	V	13.5	0	2.5	187
180970057	2011	2	24	4	V	0.06	0	2.57	174
180970057	2011	2	24	5	V	0.5	0	1.67	211
180970057	2011	2	24	6	V	40.1	0	0.94	41
180970057	2011	2	24	7	V	0.1	0.1	1.89	356
180970057	2011	2	24	8	V	0.2	0	3.59	347
180970057	2011	2	24	9	V	0.1	0	3.07	354
180970057	2011	2	24	10	V	0.1	0	4.14	8
180970057	2011	2	24	11	V	0.06	0.2	5.29	20
180970057	2011	2	24	12	V	4.2	0.3	4.44	35
180970057	2011	2	24	13	V	5.9	0.4	5.19	37
180970057	2011	2	24	14	V	3.1	0.7	4.92	35
180970057	2011	2	24	15	V	1.4	0.6	5.75	34
180970057	2011	2	24	16	V	1.3	0.9	5.75	41
180970057	2011	2	24	17	V	1.9	0.8	4.82	41
180970057	2011	2	24	18	V	1.2	1.6	6.12	45
180970057	2011	2	24	19	V	0.1	0.5	7.67	34
180970057	2011	2	24	20	V	0.3	1.6	7.86	37
180970057	2011	2	24	21	V	1.1	8.6	6.99	47
180970057	2011	2	24	22	V	0.3	3.9	7.6	57
180970057	2011	2	24	23	V	0.1	2.6	7.98	61
180970057	2011	2	24	24	V	2.2	1.4	9.78	52
180970057	2011	2	25	1	V	1.2	3.1	10.22	38
180970057	2011	2	25	2	V	2.1	5	9.17	44
180970057	2011	2	25	3	V	0.06	2.3	9.73	30
180970057	2011	2	25	4	V	0.03	0.2	10.43	13
180970057	2011	2	25	5	V	0.02	0	9.02	7
180970057	2011	2	25	6	V	0.03	0	9.09	356
180970057	2011	2	25	7	V	0.02	0	8.87	4
180970057	2011	2	25	8	V	0.09	0	7.05	352
180970057	2011	2	25	9	V	0.08	0	6.34	345
180970057	2011	2	25	10	V	0.1	0	6.53	333
180970057	2011	2	25	11	V	0.09	0.1	6.86	332
180970057	2011	2	25	12	V	0.1	0.2	6.3	8
180970057	2011	2	25	13	V	0.1	0	5.41	330
180970057	2011	2	25	14	V	0.08	0	4.68	322

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	25	15	V	0.06	0	4.41	323
180970057	2011	2	25	16	V	0.03	0	3.57	319
180970057	2011	2	25	17	V	0.07	0	3.68	320
180970057	2011	2	25	18	V	0.07	0	4.22	315
180970057	2011	2	25	19	V	0.07	0	2.95	309
180970057	2011	2	25	20	V	0.7	0	1.28	303
180970057	2011	2	25	21	V	1.7	5.2	1.11	339
180970057	2011	2	25	22	V	0.1	1.7	2.57	222
180970057	2011	2	25	23	V	77.3	0	1.13	202
180970057	2011	2	25	24	V	34.4	0	1.09	207
180970057	2011	2	26	1	V	1.3	0	1.23	293
180970057	2011	2	26	2	V	26.9	0	1.21	40
180970057	2011	2	26	3	V	1.1	0	1.25	17
180970057	2011	2	26	4	V	0.3	0	1.72	4
180970057	2011	2	26	5	V	4.5	0	1.99	37
180970057	2011	2	26	6	V	6.5	0	2.28	53
180970057	2011	2	26	7	V	0.2	0	2.44	96
180970057	2011	2	26	8	V	0.5	0	2.74	114
180970057	2011	2	26	9	V	0.4	0	3.51	136
180970057	2011	2	26	10	V	1.0	0	3.01	161
180970057	2011	2	26	11	V	0.4	0	3.05	166
180970057	2011	2	26	12	V	0.2	1.2	3.01	156
180970057	2011	2	26	13	V	11.1	0.4	2.64	178
180970057	2011	2	26	14	V	29.1	0.7	3.97	197
180970057	2011	2	26	15	V	31.4	0.6	4.83	191
180970057	2011	2	26	16	V	59.4	0.3	4.37	194
180970057	2011	2	26	17	V	30.1	0.8	3.59	186
180970057	2011	2	26	18	V	37.8	1.2	3.51	187
180970057	2011	2	26	19	V	1.0	0.4	3.2	178
180970057	2011	2	26	20	V	0.09	0	2.57	170
180970057	2011	2	26	21	V	0.2	0	2.06	147
180970057	2011	2	26	22	V	0.09	0	2.4	153
180970057	2011	2	26	23	V	0.08	0	2.76	141
180970057	2011	2	26	24	V	0.1	0	2.16	126
180970057	2011	2	27	1	V	0.1	0	2.38	142
180970057	2011	2	27	2	V	0.1	0	2.15	152
180970057	2011	2	27	3	V	0.09	0	2.54	145
180970057	2011	2	27	4	V	0.3	0	1.76	159
180970057	2011	2	27	5	V	0.7	0	1.43	129
180970057	2011	2	27	6	V	0.3	0	1.71	112
180970057	2011	2	27	7	V	0.3	0	1.67	119
180970057	2011	2	27	8	V	0.6	0	2.45	121
180970057	2011	2	27	9	V	0.6	0	3.03	134
180970057	2011	2	27	10	V	0.8	0.2	3.49	164
180970057	2011	2	27	11	V	12.9	2.9	1.69	165
180970057	2011	2	27	12	V	0.6	1.9	3.39	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	2	27	13	V	2.6	9.1	5.43	179
180970057	2011	2	27	14	V	37.8	12.1	5.63	195
180970057	2011	2	27	15	V	0.06	5.7	5.89	165
180970057	2011	2	27	16	V	0.05	2.5	6.57	169
180970057	2011	2	27	17	V	0.03	1.4	6.02	152
180970057	2011	2	27	18	V	0.06	1.2	4.65	152
180970057	2011	2	27	19	V	0.06	1.2	4.82	155
180970057	2011	2	27	20	V	0.04	0.4	5.41	150
180970057	2011	2	27	21	V	0.07	0	4.34	147
180970057	2011	2	27	22	V	0.04	0	5.43	170
180970057	2011	2	27	23	V	0.3	-999	4.8	175
180970057	2011	2	27	24	V	0.05	0	4.93	168
180970057	2011	2	28	1	V	0.1	0.2	10.36	211
180970057	2011	2	28	2	V	0.03	0	11.58	216
180970057	2011	2	28	3	V	0.5	0.2	10.83	266
180970057	2011	2	28	4	V	0.01	0	8.4	312
180970057	2011	2	28	5	V	0.05	0	10.34	334
180970057	2011	2	28	6	V	0.02	0	5.09	9
180970057	2011	2	28	7	V	0.1	0	4.34	346
180970057	2011	2	28	8	V	0.09	0	7.14	333
180970057	2011	2	28	9	V	0.06	0	8.22	342
180970057	2011	2	28	10	V	0.06	0	8.91	348
180970057	2011	2	28	11	V	0.07	0	7.38	345
180970057	2011	2	28	12	V	0.08	0	8.2	344
180970057	2011	2	28	13	V	0.08	0	8.45	343
180970057	2011	2	28	14	V	0.07	0	8.78	342
180970057	2011	2	28	15	V	0.07	0	8.42	340
180970057	2011	2	28	16	V	0.06	0	8.2	339
180970057	2011	2	28	17	V	0.02	0	7.96	349
180970057	2011	2	28	18	V	0.02	0	8.32	347
180970057	2011	2	28	19	V	0.02	0	5.89	350
180970057	2011	2	28	20	V	0.02	0	5.34	344
180970057	2011	2	28	21	V	0.03	0	4.73	358
180970057	2011	2	28	22	V	0.04	0	4.53	354
180970057	2011	2	28	23	V	0.06	0	2.83	350
180970057	2011	2	28	24	V	0.2	0	2.06	359
180970057	2011	3	1	1	V	0.2	0	1.82	346
180970057	2011	3	1	2	V	0.08	0	2.47	344
180970057	2011	3	1	3	V	0.03	0	3.01	343
180970057	2011	3	1	4	V	0.08	0	2.47	21
180970057	2011	3	1	5	V	20.1	0	1.99	45
180970057	2011	3	1	6	V	0.06	0	2.62	80
180970057	2011	3	1	7	V	0.5	0	2.16	94
180970057	2011	3	1	8	V	5.6	0	1.3	87
180970057	2011	3	1	9	V	5.8	0	1.53	115
180970057	2011	3	1	10	V	0.5	0	3.29	138

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	1	11	V	0.2	0.1	5.36	166
180970057	2011	3	1	12	V	44.2	13.5	4.76	192
180970057	2011	3	1	13	V	29.8	22.4	3.95	189
180970057	2011	3	1	14	V	36.9	49.2	4.51	194
180970057	2011	3	1	15	V	13.4	18.8	4.31	202
180970057	2011	3	1	16	V	0.09	15	4.05	213
180970057	2011	3	1	17	V	0.2	11.3	3.8	210
180970057	2011	3	1	18	V	25.5	6	4.61	198
180970057	2011	3	1	19	V	2.0	2	3.24	203
180970057	2011	3	1	20	V	0.4	1.3	3.12	236
180970057	2011	3	1	21	V	0.7	0.2	3.35	205
180970057	2011	3	1	22	V	0.3	0	3.58	228
180970057	2011	3	1	23	V	0.8	0.4	3.27	252
180970057	2011	3	1	24	V	1.1	0.3	3.29	241
180970057	2011	3	2	1	V	0.1	0	3	237
180970057	2011	3	2	2	V	0.2	0	2.76	241
180970057	2011	3	2	3	V	0.2	0	2.84	245
180970057	2011	3	2	4	V	0.2	0	3.4	242
180970057	2011	3	2	5	V	0.3	0	3.3	250
180970057	2011	3	2	6	V	0.2	0	3.23	248
180970057	2011	3	2	7	V	0.3	0	2.44	293
180970057	2011	3	2	8	V	0.6	0.7	2.81	341
180970057	2011	3	2	9	V	0.2	0.2	4.37	1
180970057	2011	3	2	10	V	0.09	0.7	5.92	13
180970057	2011	3	2	11	V	0.07	0.5	5.04	17
180970057	2011	3	2	12	V	0.1	0.2	4.48	7
180970057	2011	3	2	13	V	0.1	0	4.34	7
180970057	2011	3	2	14	V	0.1	0	4.6	1
180970057	2011	3	2	15	V	0.08	0	4.87	11
180970057	2011	3	2	16	V	0.05	4.9	4.07	11
180970057	2011	3	2	17	V	0.03	0	4.41	25
180970057	2011	3	2	18	V	1.1	1	4.66	41
180970057	2011	3	2	19	V	0.02	0	5.14	30
180970057	2011	3	2	20	V	0.9	0	4.32	39
180970057	2011	3	2	21	V	0.1	0	4.32	35
180970057	2011	3	2	22	V	0.5	4.8	5.34	41
180970057	2011	3	2	23	V	0.04	7.6	4.53	62
180970057	2011	3	2	24	V	0.04	0	4.05	80
180970057	2011	3	3	1	V	0.04	0	4.24	82
180970057	2011	3	3	2	V	0.02	0	5.09	77
180970057	2011	3	3	3	V	0.02	0	4.93	78
180970057	2011	3	3	4	V	0.02	0	4.77	86
180970057	2011	3	3	5	V	0.02	0	4.92	89
180970057	2011	3	3	6	V	0.03	0	4.39	93
180970057	2011	3	3	7	V	0.1	0	4.87	98
180970057	2011	3	3	8	V	0.1	0	5.16	107

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	3	9	V	0.1	0	6.69	110
180970057	2011	3	3	10	V	0.09	0.5	6.97	104
180970057	2011	3	3	11	V	0.09	0.8	7.42	103
180970057	2011	3	3	12	V	0.09	1.1	7.31	108
180970057	2011	3	3	13	V	0.09	1.2	7.37	108
180970057	2011	3	3	14	V	0.09	1.6	7.26	109
180970057	2011	3	3	15	V	0.08	1.6	7.69	110
180970057	2011	3	3	16	V	0.04	2.1	6.92	110
180970057	2011	3	3	17	V	0.02	3.5	6.63	118
180970057	2011	3	3	18	V	0.03	9.4	6.04	112
180970057	2011	3	3	19	V	0.03	14.1	5.16	105
180970057	2011	3	3	20	V	0.04	11.8	5.11	96
180970057	2011	3	3	21	V	0.05	8.1	4.88	101
180970057	2011	3	3	22	V	0.07	12.6	4.44	102
180970057	2011	3	3	23	V	0.05	13.4	4.87	107
180970057	2011	3	3	24	V	0.07	11.5	4.36	105
180970057	2011	3	4	1	V	0.07	9.9	4.2	120
180970057	2011	3	4	2	V	0.06	6.9	2.74	113
180970057	2011	3	4	3	V	0.06	4.3	3.01	125
180970057	2011	3	4	4	V	0.06	2.7	3.41	129
180970057	2011	3	4	5	V	0.04	2	4.85	150
180970057	2011	3	4	6	V	3.1	4.1	8.32	184
180970057	2011	3	4	7	V	11.2	9.8	9.2	187
180970057	2011	3	4	8	V	0.09	1.4	6.77	160
180970057	2011	3	4	9	V	0.1	0	4.87	147
180970057	2011	3	4	10	V	0.1	0	6.09	154
180970057	2011	3	4	11	V	0.1	0	5.09	136
180970057	2011	3	4	12	V	0.2	0.3	4.41	157
180970057	2011	3	4	13	V	6.0	8.2	6.19	179
180970057	2011	3	4	14	V	19.2	11.1	8.1	199
180970057	2011	3	4	15	V	29.5	2.1	6.38	196
180970057	2011	3	4	16	V	3.0	3	5.16	177
180970057	2011	3	4	17	V	0.07	0	4.37	156
180970057	2011	3	4	18	V	0.04	0	5.14	157
180970057	2011	3	4	19	V	0.06	0	4.65	158
180970057	2011	3	4	20	V	0.04	0	5.45	166
180970057	2011	3	4	21	V	0.03	0	5.87	165
180970057	2011	3	4	22	V	0.03	0	5.77	166
180970057	2011	3	4	23	V	0.02	0	6.6	167
180970057	2011	3	4	24	V	0.09	0	4.1	215
180970057	2011	3	5	1	V	0.04	0	4.37	162
180970057	2011	3	5	2	V	0.04	0	3.8	150
180970057	2011	3	5	3	V	0.03	0	2.69	169
180970057	2011	3	5	4	V	0.04	0	2.84	161
180970057	2011	3	5	5	V	0.04	0	3.41	141
180970057	2011	3	5	6	V	0.03	0	4.46	156

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	5	7	V	0.08	0	4.61	163
180970057	2011	3	5	8	V	5.3	0	4.6	205
180970057	2011	3	5	9	V	4.2	0	4.61	203
180970057	2011	3	5	10	V	0.04	0	7.38	316
180970057	2011	3	5	11	V	0.04	0	7.14	321
180970057	2011	3	5	12	V	0.04	0	7.71	326
180970057	2011	3	5	13	V	0.04	0	6.99	327
180970057	2011	3	5	14	V	0.05	0	6.67	335
180970057	2011	3	5	15	V	0.04	0	6.84	332
180970057	2011	3	5	16	V	0.02	0	7.13	326
180970057	2011	3	5	17	V	0.02	0	7.29	335
180970057	2011	3	5	18	V	0.02	0	7.65	336
180970057	2011	3	5	19	V	0.02	0	7.55	339
180970057	2011	3	5	20	V	0.02	0	6.5	337
180970057	2011	3	5	21	V	0.02	0	6.58	337
180970057	2011	3	5	22	V	0.02	0	7.25	341
180970057	2011	3	5	23	V	0.02	0	6.89	344
180970057	2011	3	5	24	V	0.02	0	7.25	341
180970057	2011	3	6	1	V	0.02	0	6.84	340
180970057	2011	3	6	2	V	0.02	0	7.23	336
180970057	2011	3	6	3	V	0.02	0	6.06	341
180970057	2011	3	6	4	V	0.02	0	5.84	339
180970057	2011	3	6	5	V	0.02	0	5.46	352
180970057	2011	3	6	6	V	0.02	0	5.38	355
180970057	2011	3	6	7	V	0.05	0	5.5	354
180970057	2011	3	6	8	V	0.08	0	5.62	6
180970057	2011	3	6	9	V	0.05	0	5.73	16
180970057	2011	3	6	10	V	0.06	0	5.09	8
180970057	2011	3	6	11	V	0.07	0	4.87	5
180970057	2011	3	6	12	V	0.08	0	4.03	7
180970057	2011	3	6	13	V	0.06	0	5	349
180970057	2011	3	6	14	V	0.06	0	5	342
180970057	2011	3	6	15	V	0.05	0	4.76	335
180970057	2011	3	6	16	V	0.08	0	4.41	345
180970057	2011	3	6	17	V	0.05	0	3.22	19
180970057	2011	3	6	18	V	0.05	0	2.74	28
180970057	2011	3	6	19	V	0.05	0	2.74	19
180970057	2011	3	6	20	V	0.05	0	3.9	22
180970057	2011	3	6	21	V	0.9	0	3.42	36
180970057	2011	3	6	22	V	0.2	0	3.05	61
180970057	2011	3	6	23	V	0.1	-999	2.5	33
180970057	2011	3	6	24	V	0.4	0	2.45	59
180970057	2011	3	7	1	V	0.04	0	2.74	102
180970057	2011	3	7	2	V	0.03	0	2.64	90
180970057	2011	3	7	3	V	0.04	0	2.69	155
180970057	2011	3	7	4	V	0.04	0	2.49	157

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	7	5	V	0.04	0	3.03	124
180970057	2011	3	7	6	V	0.04	0	2.98	131
180970057	2011	3	7	7	V	0.4	0	1.76	135
180970057	2011	3	7	8	V	0.9	0	1.82	128
180970057	2011	3	7	9	V	0.6	0	2.52	107
180970057	2011	3	7	10	V	0.2	0	2.69	156
180970057	2011	3	7	11	V	0.2	0	3.46	146
180970057	2011	3	7	12	V	0.1	0	3.73	126
180970057	2011	3	7	13	V	0.06	0	3.71	129
180970057	2011	3	7	14	V	0.06	0	3.78	136
180970057	2011	3	7	15	V	0.05	0	3.49	131
180970057	2011	3	7	16	V	0.1	0	4	128
180970057	2011	3	7	17	V	0.05	0.4	4.02	126
180970057	2011	3	7	18	V	0.02	0.7	5.6	111
180970057	2011	3	7	19	V	0.03	0.3	4.39	107
180970057	2011	3	7	20	V	0.04	0.5	4.39	104
180970057	2011	3	7	21	V	0.03	0	4.54	105
180970057	2011	3	7	22	V	0.01	0	5.84	102
180970057	2011	3	7	23	V	0.03	0.3	4.56	105
180970057	2011	3	7	24	V	0.04	1	3.4	107
180970057	2011	3	8	1	V	0.04	2.1	3.42	103
180970057	2011	3	8	2	V	0.04	2.7	3.54	104
180970057	2011	3	8	3	V	0.04	1.8	4.1	116
180970057	2011	3	8	4	V	0.04	2.2	3.4	117
180970057	2011	3	8	5	V	0.04	2.1	4.1	120
180970057	2011	3	8	6	V	0.04	2.7	4.19	121
180970057	2011	3	8	7	V	0.09	2.5	4.49	120
180970057	2011	3	8	8	V	0.1	3.2	4.31	111
180970057	2011	3	8	9	V	0.1	3.7	4.68	107
180970057	2011	3	8	10	V	0.1	5.8	5.44	104
180970057	2011	3	8	11	V	0.1	6.8	5.51	111
180970057	2011	3	8	12	V	0.07	5.5	5.58	128
180970057	2011	3	8	13	V	0.06	3.6	4.88	132
180970057	2011	3	8	14	V	0.06	2.9	4.42	128
180970057	2011	3	8	15	V	0.04	4	4.87	112
180970057	2011	3	8	16	V	0.03	4.6	5.95	108
180970057	2011	3	8	17	V	0.02	4.3	5.73	96
180970057	2011	3	8	18	V	0.03	4	5.21	87
180970057	2011	3	8	19	V	0.02	5.3	5.82	82
180970057	2011	3	8	20	V	0.02	3.6	6.69	98
180970057	2011	3	8	21	V	0.01	3.2	6.99	110
180970057	2011	3	8	22	V	0.02	3.3	6.43	114
180970057	2011	3	8	23	V	0.02	1.5	6.09	145
180970057	2011	3	8	24	V	0.02	0	6.06	127
180970057	2011	3	9	1	V	0.02	0	6.02	121
180970057	2011	3	9	2	V	0.01	0.1	6.7	120

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	9	3	V	0.01	0	7.18	130
180970057	2011	3	9	4	V	0.01	0	7.76	131
180970057	2011	3	9	5	V	0.01	0	8.16	138
180970057	2011	3	9	6	V	0.01	0	8.52	142
180970057	2011	3	9	7	V	0.05	0	7.64	146
180970057	2011	3	9	8	V	0.06	0	6.5	147
180970057	2011	3	9	9	V	0.09	0	4.96	148
180970057	2011	3	9	10	V	0.3	0	3.37	150
180970057	2011	3	9	11	V	0.3	0	3.71	156
180970057	2011	3	9	12	V	0.2	0	3.63	170
180970057	2011	3	9	13	V	5.4	0	3.56	180
180970057	2011	3	9	14	V	0.09	0	3.76	225
180970057	2011	3	9	15	V	0.5	0	4.39	245
180970057	2011	3	9	16	V	0.2	0	3.73	250
180970057	2011	3	9	17	V	0.8	0	3.29	264
180970057	2011	3	9	18	V	0.9	0	4.92	245
180970057	2011	3	9	19	V	0.7	0	4.6	268
180970057	2011	3	9	20	V	0.8	0	5.26	259
180970057	2011	3	9	21	V	0.8	0	6.18	266
180970057	2011	3	9	22	V	0.6	0	6.29	273
180970057	2011	3	9	23	V	0.7	0	6.99	264
180970057	2011	3	9	24	V	0.8	0	6.47	259
180970057	2011	3	10	1	V	0.8	0	5.78	263
180970057	2011	3	10	2	V	0.3	0	6.58	279
180970057	2011	3	10	3	V	0.01	0	5.72	296
180970057	2011	3	10	4	V	0.02	0	6.38	290
180970057	2011	3	10	5	V	0.01	0	6.6	293
180970057	2011	3	10	6	V	0.01	0	7.09	300
180970057	2011	3	10	7	V	0.03	0	5.75	307
180970057	2011	3	10	8	V	0.04	0	6.31	310
180970057	2011	3	10	9	V	0.04	0	6.04	310
180970057	2011	3	10	10	V	0.02	0	5.8	321
180970057	2011	3	10	11	V	0.03	0	7.03	331
180970057	2011	3	10	12	V	0.02	0	7.54	321
180970057	2011	3	10	13	V	0.02	0	7.79	317
180970057	2011	3	10	14	V	0.02	0	8.03	314
180970057	2011	3	10	15	V	0.02	0	8.83	312
180970057	2011	3	10	16	V	0.01	0	7.91	315
180970057	2011	3	10	17	V	0.01	0	8.17	312
180970057	2011	3	10	18	V	0.01	0	7.72	306
180970057	2011	3	10	19	V	0.01	0	7.48	300
180970057	2011	3	10	20	V	0.01	0	7.62	294
180970057	2011	3	10	21	V	0.01	0	7.04	295
180970057	2011	3	10	22	V	0.01	0	6.99	298
180970057	2011	3	10	23	V	0.01	0	6.74	297
180970057	2011	3	10	24	V	0.1	0	5.95	283

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	11	1	V	0.7	0	4.85	269
180970057	2011	3	11	2	V	0.7	0	4.76	266
180970057	2011	3	11	3	V	0.6	0	6.36	270
180970057	2011	3	11	4	V	0.1	0	6.64	284
180970057	2011	3	11	5	V	0.1	0	5.69	283
180970057	2011	3	11	6	V	0.3	0	5.99	279
180970057	2011	3	11	7	V	0.08	0	6.21	285
180970057	2011	3	11	8	V	0.1	0	5.33	288
180970057	2011	3	11	9	V	0.1	0	5.34	292
180970057	2011	3	11	10	V	0.1	0	5.82	285
180970057	2011	3	11	11	V	0.1	0.1	5.85	282
180970057	2011	3	11	12	V	0.1	0	7.4	277
180970057	2011	3	11	13	V	0.08	0	7.64	283
180970057	2011	3	11	14	V	0.08	0	7.91	282
180970057	2011	3	11	15	V	0.1	0	7.45	276
180970057	2011	3	11	16	V	0.1	0	6.28	271
180970057	2011	3	11	17	V	0.7	0	6.47	268
180970057	2011	3	11	18	V	0.9	0	4.97	246
180970057	2011	3	11	19	V	0.5	0	4.99	236
180970057	2011	3	11	20	V	0.05	0	3.71	214
180970057	2011	3	11	21	V	25.4	0.7	4.14	196
180970057	2011	3	11	22	V	13.9	0.2	4.73	198
180970057	2011	3	11	23	V	1.3	0	4.44	207
180970057	2011	3	11	24	V	0.05	2.6	4.12	217
180970057	2011	3	12	1	V	13.6	7.5	5.12	199
180970057	2011	3	12	2	V	8.6	4	5.12	201
180970057	2011	3	12	3	V	0.2	5.2	5.73	210
180970057	2011	3	12	4	V	0.04	6.4	8.91	227
180970057	2011	3	12	5	V	0.2	2.7	9.3	234
180970057	2011	3	12	6	V	0.2	1.3	7.91	236
180970057	2011	3	12	7	V	0.1	0.3	6.36	234
180970057	2011	3	12	8	V	0.2	0.3	5.51	236
180970057	2011	3	12	9	V	0.5	1.6	7.3	238
180970057	2011	3	12	10	V	0.2	2.2	9.97	253
180970057	2011	3	12	11	V	0.2	1.3	10.07	256
180970057	2011	3	12	12	V	0.2	0.5	11.53	254
180970057	2011	3	12	13	V	0.2	0.2	11.35	256
180970057	2011	3	12	14	V	0.2	0.2	10.57	260
180970057	2011	3	12	15	V	0.2	0	11.6	257
180970057	2011	3	12	16	V	0.1	0	11.65	270
180970057	2011	3	12	17	V	0.2	0	10.82	281
180970057	2011	3	12	18	V	0.02	0	8.73	293
180970057	2011	3	12	19	V	0.03	0	8.3	289
180970057	2011	3	12	20	V	0.1	0	6.87	284
180970057	2011	3	12	21	V	0.5	0	6.67	274
180970057	2011	3	12	22	V	0.2	0	6.55	281

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	12	23	V	0.01	0	6.87	305
180970057	2011	3	12	24	V	0.02	0	5.96	309
180970057	2011	3	13	1	V	0.02	0	5.21	301
180970057	2011	3	13	2	V	0.03	0	4.31	302
180970057	2011	3	13	3	V	0.03	0	4.29	307
180970057	2011	3	13	4	V	0.05	0	4.7	324
180970057	2011	3	13	5	V	0.04	0	5.28	326
180970057	2011	3	13	6	V	0.05	0	5.09	329
180970057	2011	3	13	7	V	0.1	0	4.76	329
180970057	2011	3	13	8	V	0.2	0	4.73	348
180970057	2011	3	13	9	V	0.09	0	4.41	360
180970057	2011	3	13	10	V	1.6	1.6	2.45	28
180970057	2011	3	13	11	V	2.2	1.2	1.23	334
180970057	2011	3	13	12	V	1.8	1.2	1.33	355
180970057	2011	3	13	13	V	3.0	6	1.59	244
180970057	2011	3	13	14	V	1.0	3	1.86	296
180970057	2011	3	13	15	V	0.7	0.2	2.23	265
180970057	2011	3	13	16	V	0.08	0	3.58	310
180970057	2011	3	13	17	V	0.06	0	4.14	329
180970057	2011	3	13	18	V	0.05	0	4.82	336
180970057	2011	3	13	19	V	0.06	0	4.54	346
180970057	2011	3	13	20	V	0.07	0	4.36	8
180970057	2011	3	13	21	V	0.07	0	4.36	13
180970057	2011	3	13	22	V	0.08	0	4.2	9
180970057	2011	3	13	23	V	0.03	-999	5.8	15
180970057	2011	3	13	24	V	0.03	0	5.8	28
180970057	2011	3	14	1	V	0.1	0	5.43	33
180970057	2011	3	14	2	V	0.7	0	4.1	35
180970057	2011	3	14	3	V	6.7	0.4	3.71	44
180970057	2011	3	14	4	V	7.3	1.6	3.71	49
180970057	2011	3	14	5	V	6.0	2.2	3.8	43
180970057	2011	3	14	6	V	2.3	2.8	4.71	42
180970057	2011	3	14	7	V	15.4	3.6	5	49
180970057	2011	3	14	8	V	1.3	0.5	5.94	64
180970057	2011	3	14	9	V	0.1	0.2	6.46	74
180970057	2011	3	14	10	V	0.1	0.1	6.72	76
180970057	2011	3	14	11	V	0.1	-999	6.23	83
180970057	2011	3	14	12	V	0.08	0.4	5.67	81
180970057	2011	3	14	13	V	0.08	0.2	6.4	82
180970057	2011	3	14	14	V	0.07	0.2	7.01	83
180970057	2011	3	14	15	V	0.06	0.3	7.3	86
180970057	2011	3	14	16	V	0.05	0.3	7.35	90
180970057	2011	3	14	17	V	0.02	0.2	6.91	91
180970057	2011	3	14	18	V	0.03	0	5.58	90
180970057	2011	3	14	19	V	0.03	0	5.85	73
180970057	2011	3	14	20	V	0.04	0	5.6	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	14	21	V	0.05	0.2	6.02	64
180970057	2011	3	14	22	V	0.3	0.5	7.13	57
180970057	2011	3	14	23	V	0.2	0	7.47	58
180970057	2011	3	14	24	V	0.1	0	7.52	61
180970057	2011	3	15	1	V	0.03	0	6.53	65
180970057	2011	3	15	2	V	0.02	0	6.4	72
180970057	2011	3	15	3	V	0.02	0	6.26	72
180970057	2011	3	15	4	V	0.02	0	6.28	75
180970057	2011	3	15	5	V	0.03	0	6.53	74
180970057	2011	3	15	6	V	0.03	0	6.35	75
180970057	2011	3	15	7	V	0.1	0	4.95	80
180970057	2011	3	15	8	V	0.3	0	4.78	70
180970057	2011	3	15	9	V	0.3	0	4.07	79
180970057	2011	3	15	10	V	4.6	0	3.51	58
180970057	2011	3	15	11	V	1.2	0	4.37	63
180970057	2011	3	15	12	V	0.1	0	3.93	81
180970057	2011	3	15	13	V	0.8	0.9	4.65	64
180970057	2011	3	15	14	V	0.1	0.8	3.97	155
180970057	2011	3	15	15	V	0.6	0.5	2.78	172
180970057	2011	3	15	16	V	0.4	0.4	2.62	242
180970057	2011	3	15	17	V	1.2	0.2	3.47	248
180970057	2011	3	15	18	V	0.8	0	2.36	271
180970057	2011	3	15	19	V	0.07	0	3.36	294
180970057	2011	3	15	20	V	0.9	0	3.97	257
180970057	2011	3	15	21	V	0.7	0	6.18	250
180970057	2011	3	15	22	V	0.9	0	4.97	251
180970057	2011	3	15	23	V	0.9	0	4.85	244
180970057	2011	3	15	24	V	0.7	0	6.26	250
180970057	2011	3	16	1	V	0.4	0	6.67	250
180970057	2011	3	16	2	V	0.3	0	6.52	245
180970057	2011	3	16	3	V	0.4	0	6.69	250
180970057	2011	3	16	4	V	0.5	0	5.73	251
180970057	2011	3	16	5	V	0.4	0.2	4.15	247
180970057	2011	3	16	6	V	0.7	0.6	5.19	256
180970057	2011	3	16	7	V	0.5	0.4	3.81	254
180970057	2011	3	16	8	V	0.4	0.2	3.83	234
180970057	2011	3	16	9	V	0.4	1.1	4.9	235
180970057	2011	3	16	10	V	0.6	3.5	4.56	239
180970057	2011	3	16	11	V	0.8	4.2	3.81	227
180970057	2011	3	16	12	V	0.6	4.5	4.24	228
180970057	2011	3	16	13	V	0.5	4.2	5.68	239
180970057	2011	3	16	14	V	0.4	2	5.19	235
180970057	2011	3	16	15	V	0.3	0.9	5.84	231
180970057	2011	3	16	16	V	0.5	0.5	6.09	238
180970057	2011	3	16	17	V	0.1	0.4	6.64	229
180970057	2011	3	16	18	V	0.05	1	5.94	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	16	19	V	0.09	0.7	4.39	213
180970057	2011	3	16	20	V	40.0	0.7	3.64	197
180970057	2011	3	16	21	V	22.5	3.5	3.88	199
180970057	2011	3	16	22	V	59.5	4.2	3.46	194
180970057	2011	3	16	23	V	0.1	2.1	3.88	177
180970057	2011	3	16	24	V	4.2	1.4	4.05	183
180970057	2011	3	17	1	V	0.4	1.6	4.14	179
180970057	2011	3	17	2	V	0.02	1.1	3.56	165
180970057	2011	3	17	3	V	0.02	1.2	3.3	167
180970057	2011	3	17	4	V	0.2	1	3.95	178
180970057	2011	3	17	5	V	0.02	0.7	3.51	173
180970057	2011	3	17	6	V	0.04	0.6	3.81	163
180970057	2011	3	17	7	V	0.2	0.6	3.8	160
180970057	2011	3	17	8	V	0.3	0.8	3.78	160
180970057	2011	3	17	9	V	0.2	2.4	4.2	164
180970057	2011	3	17	10	V	11.9	9.4	5.68	185
180970057	2011	3	17	11	V	17.1	20.1	6.28	194
180970057	2011	3	17	12	V	13.9	25.1	7.57	188
180970057	2011	3	17	13	V	9.3	19.9	8.9	200
180970057	2011	3	17	14	V	2.8	7.7	10.48	204
180970057	2011	3	17	15	V	11.4	4.7	11.87	198
180970057	2011	3	17	16	V	5.9	9.7	11.43	201
180970057	2011	3	17	17	V	7.7	21.2	10.14	200
180970057	2011	3	17	18	V	8.9	13.5	9.87	198
180970057	2011	3	17	19	V	0.6	2.5	7.83	206
180970057	2011	3	17	20	V	0.04	3.4	7.06	221
180970057	2011	3	17	21	V	0.1	2.3	8.61	228
180970057	2011	3	17	22	V	0.04	1.6	8.45	223
180970057	2011	3	17	23	V	0.2	1.2	8.06	232
180970057	2011	3	17	24	V	0.2	0.5	7.04	232
180970057	2011	3	18	1	V	0.02	0.3	6.96	227
180970057	2011	3	18	2	V	0.3	0.1	7.46	242
180970057	2011	3	18	3	V	0.2	0.3	5.36	245
180970057	2011	3	18	4	V	0.3	0.1	5.51	248
180970057	2011	3	18	5	V	0.7	0	4.36	255
180970057	2011	3	18	6	V	0.04	0	4.68	297
180970057	2011	3	18	7	V	0.07	0	5.39	327
180970057	2011	3	18	8	V	0.1	0	4.51	353
180970057	2011	3	18	9	V	0.2	0	4.27	2
180970057	2011	3	18	10	V	0.09	0	4.94	10
180970057	2011	3	18	11	V	0.2	0	3.83	13
180970057	2011	3	18	12	V	0.2	0.4	3.46	1
180970057	2011	3	18	13	V	0.1	0	4.29	339
180970057	2011	3	18	14	V	0.05	0	6.35	318
180970057	2011	3	18	15	V	0.05	0	5.38	351
180970057	2011	3	18	16	V	0.2	0	3.83	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	18	17	V	0.1	0	3.59	285
180970057	2011	3	18	18	V	0.04	0	3.74	293
180970057	2011	3	18	19	V	0.04	0	3.83	297
180970057	2011	3	18	20	V	0.04	0	3.57	296
180970057	2011	3	18	21	V	0.04	0	3.29	300
180970057	2011	3	18	22	V	0.03	0	3.98	318
180970057	2011	3	18	23	V	0.03	0	3.81	340
180970057	2011	3	18	24	V	0.03	0	4.2	7
180970057	2011	3	19	1	V	0.02	0	4.15	16
180970057	2011	3	19	2	V	0.02	0	3.51	30
180970057	2011	3	19	3	V	0.6	0	2.98	39
180970057	2011	3	19	4	V	0.08	0.8	3.08	36
180970057	2011	3	19	5	V	0.5	0.1	3.34	39
180970057	2011	3	19	6	V	0.06	0	2.16	22
180970057	2011	3	19	7	V	4.7	0	2.32	29
180970057	2011	3	19	8	V	7.8	0.4	2.66	31
180970057	2011	3	19	9	V	16.1	2.8	3.47	49
180970057	2011	3	19	10	V	8.5	0.9	4.7	56
180970057	2011	3	19	11	V	0.2	0.4	5.75	73
180970057	2011	3	19	12	V	0.3	0.3	4.97	69
180970057	2011	3	19	13	V	0.2	0	4.25	77
180970057	2011	3	19	14	V	3.9	0.5	4.36	59
180970057	2011	3	19	15	V	0.1	0	4.92	71
180970057	2011	3	19	16	V	0.06	0	5.19	73
180970057	2011	3	19	17	V	0.02	0	5.77	85
180970057	2011	3	19	18	V	0.02	0	5.53	84
180970057	2011	3	19	19	V	0.03	0	5.09	89
180970057	2011	3	19	20	V	0.05	0	4.02	83
180970057	2011	3	19	21	V	0.04	0	4.65	78
180970057	2011	3	19	22	V	0.03	0	5.28	75
180970057	2011	3	19	23	V	0.02	0	5.48	84
180970057	2011	3	19	24	V	0.02	0	5.67	95
180970057	2011	3	20	1	V	0.02	0	5.24	101
180970057	2011	3	20	2	V	0.02	0	5.21	104
180970057	2011	3	20	3	V	0.02	0	5.29	93
180970057	2011	3	20	4	V	0.02	0	5.46	103
180970057	2011	3	20	5	V	0.01	0	6.58	102
180970057	2011	3	20	6	V	0.02	0.1	5.96	103
180970057	2011	3	20	7	V	0.06	1.5	5.73	106
180970057	2011	3	20	8	V	0.1	2.2	4.17	126
180970057	2011	3	20	9	V	0.1	1	5.12	126
180970057	2011	3	20	10	V	0.07	2.6	6.41	112
180970057	2011	3	20	11	V	0.08	4.7	6.41	125
180970057	2011	3	20	12	V	0.09	4.4	6.11	125
180970057	2011	3	20	13	V	0.05	6.6	7.42	133
180970057	2011	3	20	14	V	0.05	6.9	6.4	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	20	15	V	0.05	4.1	6.04	154
180970057	2011	3	20	16	V	0.04	5.1	4.92	165
180970057	2011	3	20	17	V	0.03	4.2	5.07	160
180970057	2011	3	20	18	V	0.03	1.7	5.11	155
180970057	2011	3	20	19	V	0.03	1.3	4.92	141
180970057	2011	3	20	20	V	0.02	1	5.31	142
180970057	2011	3	20	21	V	0.01	1.1	6.02	153
180970057	2011	3	20	22	V	0.03	1.1	5.62	170
180970057	2011	3	20	23	V	32.6	-999	3.71	193
180970057	2011	3	20	24	V	0.1	1.2	7.52	227
180970057	2011	3	21	1	V	0.06	1.4	8.95	231
180970057	2011	3	21	2	V	0.2	0.8	9.78	234
180970057	2011	3	21	3	V	0.2	0.5	9.42	235
180970057	2011	3	21	4	V	0.2	0.4	8.33	238
180970057	2011	3	21	5	V	0.2	0.4	7.99	237
180970057	2011	3	21	6	V	0.2	0.6	7.16	239
180970057	2011	3	21	7	V	0.2	0.6	6.28	236
180970057	2011	3	21	8	V	0.3	0.7	4.31	239
180970057	2011	3	21	9	V	0.4	0.5	5.04	237
180970057	2011	3	21	10	V	0.4	1.7	6.74	244
180970057	2011	3	21	11	V	0.3	2	8.33	248
180970057	2011	3	21	12	V	0.4	1.9	7.6	242
180970057	2011	3	21	13	V	0.3	1.3	7.59	251
180970057	2011	3	21	14	V	0.3	1.5	6.67	250
180970057	2011	3	21	15	V	0.2	1.1	6.28	255
180970057	2011	3	21	16	V	0.3	0.7	6.18	257
180970057	2011	3	21	17	V	0.1	0.5	3.83	302
180970057	2011	3	21	18	V	0.1	0.3	3.8	287
180970057	2011	3	21	19	V	0.08	0.1	3.15	339
180970057	2011	3	21	20	V	0.08	0	3.4	338
180970057	2011	3	21	21	V	0.08	0	3.22	12
180970057	2011	3	21	22	V	0.07	0	3.03	12
180970057	2011	3	21	23	V	0.06	0	3.01	28
180970057	2011	3	21	24	V	1.3	0	2.42	56
180970057	2011	3	22	1	V	7.8	0	2.84	48
180970057	2011	3	22	2	V	0.8	0	4.12	59
180970057	2011	3	22	3	V	0.04	0	4.6	72
180970057	2011	3	22	4	V	0.5	0.7	5.53	56
180970057	2011	3	22	5	V	0.04	0.3	6.01	64
180970057	2011	3	22	6	V	0.03	0	6.16	71
180970057	2011	3	22	7	V	0.09	0	5.72	93
180970057	2011	3	22	8	V	0.1	0	4.63	121
180970057	2011	3	22	9	V	0.2	0	4.92	123
180970057	2011	3	22	10	V	0.2	0	5.63	117
180970057	2011	3	22	11	V	0.2	1.2	5.22	131
180970057	2011	3	22	12	V	0.3	2.1	4.05	140

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	22	13	V	1.2	3.4	2.5	119
180970057	2011	3	22	14	V	0.9	3.3	3.22	111
180970057	2011	3	22	15	V	10.4	2.8	5.58	182
180970057	2011	3	22	16	V	1.2	1.8	6.65	209
180970057	2011	3	22	17	V	20.6	4.5	5.99	189
180970057	2011	3	22	18	V	0.1	1.8	2.76	220
180970057	2011	3	22	19	V	9.0	6.1	4.41	182
180970057	2011	3	22	20	V	0.08	2.2	3.8	161
180970057	2011	3	22	21	V	67.9	1.1	2.72	195
180970057	2011	3	22	22	V	0.2	0.6	5.29	230
180970057	2011	3	22	23	V	0.3	1.4	7.72	209
180970057	2011	3	22	24	V	0.05	2.4	7.28	214
180970057	2011	3	23	1	V	0.02	1.7	8.1	221
180970057	2011	3	23	2	V	0.09	1.2	8.69	232
180970057	2011	3	23	3	V	0.02	0.7	7.99	225
180970057	2011	3	23	4	V	0.02	0.2	7.79	221
180970057	2011	3	23	5	V	0.02	0	8.54	223
180970057	2011	3	23	6	V	0.2	0.2	7.71	239
180970057	2011	3	23	7	V	0.08	0	7.38	297
180970057	2011	3	23	8	V	1.1	0	2.37	340
180970057	2011	3	23	9	V	1.6	0.6	2.81	158
180970057	2011	3	23	10	V	0.4	2.6	5.56	168
180970057	2011	3	23	11	V	23.6	7.7	7.45	196
180970057	2011	3	23	12	V	0.3	1.6	8.81	234
180970057	2011	3	23	13	V	0.2	1.7	11.38	254
180970057	2011	3	23	14	V	0.1	0	11.48	266
180970057	2011	3	23	15	V	0.1	0	11.97	273
180970057	2011	3	23	16	V	0.1	0	10.53	273
180970057	2011	3	23	17	V	0.4	0	11.45	267
180970057	2011	3	23	18	V	0.3	0	12.48	276
180970057	2011	3	23	19	V	0.03	0	10.37	306
180970057	2011	3	23	20	V	0.03	0	10.78	315
180970057	2011	3	23	21	V	0.03	0	10.63	315
180970057	2011	3	23	22	V	0.02	0	9.22	303
180970057	2011	3	23	23	V	0.02	0	6.89	307
180970057	2011	3	23	24	V	0.02	0	6.36	305
180970057	2011	3	24	1	V	0.02	0	6.36	305
180970057	2011	3	24	2	V	0.01	0	7.71	314
180970057	2011	3	24	3	V	0.02	0	7.32	312
180970057	2011	3	24	4	V	0.02	0	6.97	313
180970057	2011	3	24	5	V	0.02	0	7.31	333
180970057	2011	3	24	6	V	0.03	0	7.35	347
180970057	2011	3	24	7	V	0.08	0	7.65	345
180970057	2011	3	24	8	V	0.06	0	6.67	358
180970057	2011	3	24	9	V	0.08	0	5.89	358
180970057	2011	3	24	10	V	0.08	0	6.11	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	24	11	V	0.09	0	5.39	2
180970057	2011	3	24	12	V	0.09	0	5.29	5
180970057	2011	3	24	13	V	0.09	0	5.51	360
180970057	2011	3	24	14	V	0.09	0	4.76	353
180970057	2011	3	24	15	V	0.1	0	3.78	21
180970057	2011	3	24	16	V	0.05	0	4.12	353
180970057	2011	3	24	17	V	0.08	0	4.36	334
180970057	2011	3	24	18	V	0.07	0	3.39	329
180970057	2011	3	24	19	V	0.07	0	2.55	344
180970057	2011	3	24	20	V	0.5	0	1.52	325
180970057	2011	3	24	21	V	0.9	0	1.71	270
180970057	2011	3	24	22	V	0.1	0	3.74	288
180970057	2011	3	24	23	V	0.07	0	4.36	2
180970057	2011	3	24	24	V	0.08	0	3.85	2
180970057	2011	3	25	1	V	0.07	0	2.93	2
180970057	2011	3	25	2	V	0.08	0	2.88	341
180970057	2011	3	25	3	V	0.07	0	3.93	320
180970057	2011	3	25	4	V	0.07	0	4.32	345
180970057	2011	3	25	5	V	0.08	0	3.97	23
180970057	2011	3	25	6	V	0.09	0	4.41	24
180970057	2011	3	25	7	V	0.5	0	2.81	15
180970057	2011	3	25	8	V	1.5	0	1.98	4
180970057	2011	3	25	9	V	2.2	0	1.59	22
180970057	2011	3	25	10	V	6.2	0	0.86	354
180970057	2011	3	25	11	V	3.6	2.5	1.33	147
180970057	2011	3	25	12	V	1.9	6.1	1.23	310
180970057	2011	3	25	13	V	1.1	0.5	2.01	304
180970057	2011	3	25	14	V	0.6	0.2	2.2	304
180970057	2011	3	25	15	V	0.3	0	2.66	301
180970057	2011	3	25	16	V	0.06	0	3.12	284
180970057	2011	3	25	17	V	0.09	0	2.74	318
180970057	2011	3	25	18	V	0.07	0	3.17	343
180970057	2011	3	25	19	V	0.07	0	2.52	351
180970057	2011	3	25	20	V	1.1	0	3.78	36
180970057	2011	3	25	21	V	0.3	0	4.32	33
180970057	2011	3	25	22	V	0.7	0.2	3.51	35
180970057	2011	3	25	23	V	1.1	0.1	4.46	40
180970057	2011	3	25	24	V	3.4	0.7	4.44	48
180970057	2011	3	26	1	V	0.6	0	4.39	56
180970057	2011	3	26	2	V	0.4	0	4.56	57
180970057	2011	3	26	3	V	5.2	1.9	3.98	42
180970057	2011	3	26	4	V	1.7	1.6	5.09	43
180970057	2011	3	26	5	V	0.8	1.1	6.01	52
180970057	2011	3	26	6	V	0.4	0.6	5.79	59
180970057	2011	3	26	7	V	4.0	0	5.73	60
180970057	2011	3	26	8	V	0.1	0	6.72	68

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	26	9	V	0.1	0	7.06	72
180970057	2011	3	26	10	V	0.1	0	6.58	75
180970057	2011	3	26	11	V	0.3	0	7.03	67
180970057	2011	3	26	12	V	0.3	0.3	6.7	66
180970057	2011	3	26	13	V	0.4	0	6.86	65
180970057	2011	3	26	14	V	0.08	1.7	5.8	74
180970057	2011	3	26	15	V	1.0	0.5	6.6	62
180970057	2011	3	26	16	V	16.8	4.5	7.13	50
180970057	2011	3	26	17	V	1.1	5.2	7.62	51
180970057	2011	3	26	18	V	0.4	7.7	7.4	56
180970057	2011	3	26	19	V	0.5	1.9	7.96	55
180970057	2011	3	26	20	V	0.1	0.2	6.75	60
180970057	2011	3	26	21	V	0.4	2.4	7.38	55
180970057	2011	3	26	22	V	1.1	6.1	7.16	46
180970057	2011	3	26	23	V	1.0	10.6	7.52	43
180970057	2011	3	26	24	V	1.0	6.7	6.87	44
180970057	2011	3	27	1	V	0.9	5.3	6.4	49
180970057	2011	3	27	2	V	0.8	7.1	6.06	49
180970057	2011	3	27	3	V	1.0	17.2	5.6	47
180970057	2011	3	27	4	V	0.5	15.1	5.75	42
180970057	2011	3	27	5	V	0.4	11.7	5.68	41
180970057	2011	3	27	6	V	0.9	5.4	5.63	38
180970057	2011	3	27	7	V	8.8	6.1	5.65	39
180970057	2011	3	27	8	V	8.5	4.8	6.14	39
180970057	2011	3	27	9	V	15.5	10.5	6.02	44
180970057	2011	3	27	10	V	15.2	10.3	5.39	46
180970057	2011	3	27	11	V	14.6	7.8	5.56	48
180970057	2011	3	27	12	V	13.2	5.9	4.92	44
180970057	2011	3	27	13	V	12.9	3.6	5	43
180970057	2011	3	27	14	V	10.0	2.7	5.43	39
180970057	2011	3	27	15	V	6.8	2	5.05	36
180970057	2011	3	27	16	V	17.8	3.4	5.9	47
180970057	2011	3	27	17	V	2.2	4.6	5	44
180970057	2011	3	27	18	V	1.5	2.5	5.24	43
180970057	2011	3	27	19	V	1.7	9.4	5.34	49
180970057	2011	3	27	20	V	1.5	2.6	5.22	43
180970057	2011	3	27	21	V	2.5	8.6	4.85	47
180970057	2011	3	27	22	V	1.2	17.6	5.43	50
180970057	2011	3	27	23	V	0.5	-999	5.04	57
180970057	2011	3	27	24	V	0.06	0.8	3.97	62
180970057	2011	3	28	1	V	0.04	0.4	4.31	68
180970057	2011	3	28	2	V	0.05	0.2	3.91	63
180970057	2011	3	28	3	V	6.3	0.4	2.69	45
180970057	2011	3	28	4	V	0.08	3.3	2.81	17
180970057	2011	3	28	5	V	0.07	0.7	3.44	20
180970057	2011	3	28	6	V	1.9	4.7	3.47	35

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	28	7	V	9.2	1	3.69	57
180970057	2011	3	28	8	V	0.4	0.5	4.56	72
180970057	2011	3	28	9	V	0.1	0.6	5.58	84
180970057	2011	3	28	10	V	0.2	1.2	4.94	81
180970057	2011	3	28	11	V	0.4	0.3	4.46	73
180970057	2011	3	28	12	V	0.4	2	4.36	74
180970057	2011	3	28	13	V	9.0	1.4	3.74	57
180970057	2011	3	28	14	V	1.1	0.7	3.54	22
180970057	2011	3	28	15	V	2.0	0.8	3.23	25
180970057	2011	3	28	16	V	0.8	0.3	3.41	25
180970057	2011	3	28	17	V	0.1	3.8	3.89	31
180970057	2011	3	28	18	V	0.9	4.9	4.09	39
180970057	2011	3	28	19	V	0.05	4	4.07	30
180970057	2011	3	28	20	V	1.8	4.4	4.1	41
180970057	2011	3	28	21	V	0.3	1	3.32	56
180970057	2011	3	28	22	V	0.1	0.2	2.57	61
180970057	2011	3	28	23	V	0.09	0.3	2.84	60
180970057	2011	3	28	24	V	5.8	0.4	2.2	55
180970057	2011	3	29	1	V	0.2	0.3	2.54	34
180970057	2011	3	29	2	V	1.3	2.2	3.39	38
180970057	2011	3	29	3	V	0.2	2	4.03	32
180970057	2011	3	29	4	V	2.4	4.1	4.32	40
180970057	2011	3	29	5	V	4.8	8.9	4.1	42
180970057	2011	3	29	6	V	9.7	8.3	3.2	43
180970057	2011	3	29	7	V	13.2	1.6	2.5	42
180970057	2011	3	29	8	V	9.9	1.4	2.86	58
180970057	2011	3	29	9	V	0.3	0.4	4.14	82
180970057	2011	3	29	10	V	0.1	0.4	4.83	100
180970057	2011	3	29	11	V	0.1	0.2	3.98	86
180970057	2011	3	29	12	V	0.1	0.1	4.07	75
180970057	2011	3	29	13	V	0.1	0.2	4.29	91
180970057	2011	3	29	14	V	0.09	0.1	4.34	86
180970057	2011	3	29	15	V	0.2	0.6	3.92	73
180970057	2011	3	29	16	V	0.7	0.2	4.17	64
180970057	2011	3	29	17	V	0.08	0	4.27	79
180970057	2011	3	29	18	V	0.08	0.1	4.17	101
180970057	2011	3	29	19	V	0.08	0.2	4.03	108
180970057	2011	3	29	20	V	0.08	0	3.34	95
180970057	2011	3	29	21	V	0.09	0	3.81	79
180970057	2011	3	29	22	V	0.1	0.1	4.41	63
180970057	2011	3	29	23	V	0.05	0	4.9	73
180970057	2011	3	29	24	V	0.05	0	4.75	68
180970057	2011	3	30	1	V	7.4	5.4	3.97	49
180970057	2011	3	30	2	V	3.6	0.2	3.75	54
180970057	2011	3	30	3	V	0.1	0	4.24	63
180970057	2011	3	30	4	V	1.4	0.3	4.36	56

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	3	30	5	V	1.4	8.8	5.17	42
180970057	2011	3	30	6	V	1.9	10.7	5.68	46
180970057	2011	3	30	7	V	15.5	16.3	6.09	47
180970057	2011	3	30	8	V	1.8	11.9	5.38	31
180970057	2011	3	30	9	V	0.1	1.3	5.99	4
180970057	2011	3	30	10	V	0.09	0.9	6.74	355
180970057	2011	3	30	11	V	0.2	0	4.83	11
180970057	2011	3	30	12	V	16.4	2.3	5.51	49
180970057	2011	3	30	13	V	0.9	2.9	6.58	31
180970057	2011	3	30	14	V	5.9	0.6	5.82	37
180970057	2011	3	30	15	V	7.7	5.6	4.34	57
180970057	2011	3	30	16	V	4.0	2.4	3.78	37
180970057	2011	3	30	17	V	0.07	0.8	4.7	25
180970057	2011	3	30	18	V	0.03	0.6	5.31	29
180970057	2011	3	30	19	V	3.3	2.9	4.27	51
180970057	2011	3	30	20	V	0.05	0.2	3.34	61
180970057	2011	3	30	21	V	0.04	0	3.25	88
180970057	2011	3	30	22	V	0.08	0	2.56	109
180970057	2011	3	30	23	V	0.09	0	2.54	137
180970057	2011	3	30	24	V	0.1	0	2.08	153
180970057	2011	3	31	1	V	0.4	0	1.62	301
180970057	2011	3	31	2	C	-999	0	0	0
180970057	2011	3	31	3	V	1.8	0	1.03	89
180970057	2011	3	31	4	V	0.6	0	1.42	91
180970057	2011	3	31	5	V	12.5	0	0.53	357
180970057	2011	3	31	6	V	3.6	0.4	0.89	7
180970057	2011	3	31	7	V	7.0	0.7	1.09	3
180970057	2011	3	31	8	V	3.1	1	1.37	4
180970057	2011	3	31	9	V	2.4	0.2	1.62	354
180970057	2011	3	31	10	V	2.1	9.6	1.81	297
180970057	2011	3	31	11	V	1.9	6.8	1.93	308
180970057	2011	3	31	12	V	1.1	2.1	2.44	306
180970057	2011	3	31	13	V	2.0	1.7	1.99	279
180970057	2011	3	31	14	V	1.2	1.3	2.23	290
180970057	2011	3	31	15	V	0.4	1	1.99	292
180970057	2011	3	31	16	V	0.08	1.2	2.35	309
180970057	2011	3	31	17	V	0.1	1.5	2.39	296
180970057	2011	3	31	18	V	0.1	0.3	2.42	284
180970057	2011	3	31	19	V	0.8	0.3	1.3	305
180970057	2011	3	31	20	V	0.2	0.1	1.82	306
180970057	2011	3	31	21	V	0.4	0.1	1.64	328
180970057	2011	3	31	22	V	1.2	0.4	1.42	267
180970057	2011	3	31	23	V	2.5	0.3	1.2	241
180970057	2011	3	31	24	V	1.2	0.2	1.94	258
180970057	2011	4	1	1	V	0.8	0.5	1.77	254
180970057	2011	4	1	2	V	0.3	0.1	1.65	310

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	1	3	V	1.2	0	2.13	275
180970057	2011	4	1	4	V	0.09	0	2.18	297
180970057	2011	4	1	5	V	0.2	0	1.69	329
180970057	2011	4	1	6	V	3.0	0	1.04	292
180970057	2011	4	1	7	V	6.3	0.5	1.14	278
180970057	2011	4	1	8	C	-999	0.9	0	0
180970057	2011	4	1	9	V	51.8	2.4	1.08	204
180970057	2011	4	1	10	V	3.1	1.7	3	217
180970057	2011	4	1	11	V	0.3	2.3	6.21	235
180970057	2011	4	1	12	V	0.1	1.5	4.37	286
180970057	2011	4	1	13	V	0.2	1.4	6.99	265
180970057	2011	4	1	14	V	0.2	2.7	6.55	263
180970057	2011	4	1	15	V	0.3	2.4	6.29	251
180970057	2011	4	1	16	V	0.2	2.5	7.69	232
180970057	2011	4	1	17	V	0.7	1.8	8.86	245
180970057	2011	4	1	18	V	1.0	0	3.22	250
180970057	2011	4	1	19	V	1.2	0	2.06	239
180970057	2011	4	1	20	V	0.6	0	3.32	277
180970057	2011	4	1	21	V	1.0	0	2.95	262
180970057	2011	4	1	22	V	0.8	0	3.85	267
180970057	2011	4	1	23	V	0.1	0	6.91	285
180970057	2011	4	1	24	V	0.8	0	4.99	242
180970057	2011	4	2	1	V	0.2	0	4.27	240
180970057	2011	4	2	2	V	0.6	0	4.66	252
180970057	2011	4	2	3	V	0.8	0	4.42	263
180970057	2011	4	2	4	V	0.8	0	4	264
180970057	2011	4	2	5	V	0.6	0	4.65	275
180970057	2011	4	2	6	V	0.1	0	5.43	288
180970057	2011	4	2	7	V	0.2	0	5.36	276
180970057	2011	4	2	8	V	0.2	0	5.94	277
180970057	2011	4	2	9	V	0.09	0	6.09	285
180970057	2011	4	2	10	V	0.2	0	7.25	267
180970057	2011	4	2	11	V	0.1	0	8.35	274
180970057	2011	4	2	12	V	0.08	0	9.63	285
180970057	2011	4	2	13	V	0.08	0	9.34	285
180970057	2011	4	2	14	V	0.06	0	10.36	292
180970057	2011	4	2	15	V	0.05	0	10.94	288
180970057	2011	4	2	16	V	0.05	0	10.41	292
180970057	2011	4	2	17	V	0.04	0	10.89	300
180970057	2011	4	2	18	V	0.02	0	9.54	301
180970057	2011	4	2	19	V	0.01	0	7.5	310
180970057	2011	4	2	20	V	0.04	0	4.19	325
180970057	2011	4	2	21	V	0.09	0	2.44	317
180970057	2011	4	2	22	V	1.7	0	1.21	24
180970057	2011	4	2	23	V	0.6	0	1.37	74
180970057	2011	4	2	24	V	0.2	0	1.91	103

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	3	1	V	0.07	0.2	2.57	119
180970057	2011	4	3	2	V	0.07	0	2.52	122
180970057	2011	4	3	3	V	0.07	0	3.76	137
180970057	2011	4	3	4	V	0.05	0	3.93	108
180970057	2011	4	3	5	V	0.06	0	4.48	147
180970057	2011	4	3	6	V	0.1	0	5.12	120
180970057	2011	4	3	7	V	0.1	1.6	5.87	131
180970057	2011	4	3	8	V	0.09	1.6	6.75	135
180970057	2011	4	3	9	V	0.08	3.1	8.01	142
180970057	2011	4	3	10	V	0.08	3	8.45	139
180970057	2011	4	3	11	V	0.08	3.4	8.32	147
180970057	2011	4	3	12	V	0.08	2.2	9.1	153
180970057	2011	4	3	13	V	0.07	0.7	10.27	167
180970057	2011	4	3	14	V	0.1	0.6	12.01	173
180970057	2011	4	3	15	V	29.3	53.9	13.18	192
180970057	2011	4	3	16	V	9.6	39.3	13.38	201
180970057	2011	4	3	17	V	34.0	4.7	13.03	198
180970057	2011	4	3	18	V	12.1	8.5	12.36	203
180970057	2011	4	3	19	V	16.4	12.9	10.22	199
180970057	2011	4	3	20	V	14.9	23.6	8.35	194
180970057	2011	4	3	21	V	13.9	32.5	8.86	194
180970057	2011	4	3	22	V	6.9	6.2	11.45	204
180970057	2011	4	3	23	V	0.09	-999	12.86	215
180970057	2011	4	3	24	V	0.2	3.7	11.36	212
180970057	2011	4	4	1	V	0.04	3.9	11.57	221
180970057	2011	4	4	2	V	0.03	1.8	11.53	221
180970057	2011	4	4	3	V	0.04	1.6	11.94	221
180970057	2011	4	4	4	V	0.03	0.8	11.12	217
180970057	2011	4	4	5	V	0.05	0.4	11.97	216
180970057	2011	4	4	6	V	0.2	0	8.81	250
180970057	2011	4	4	7	V	0.07	0	7.89	220
180970057	2011	4	4	8	V	0.6	0	6.64	211
180970057	2011	4	4	9	V	0.07	0	5.87	216
180970057	2011	4	4	10	V	0.5	0.2	4.76	215
180970057	2011	4	4	11	V	0.4	0	3.91	234
180970057	2011	4	4	12	V	0.06	0	7.86	301
180970057	2011	4	4	13	V	0.06	0	8.05	304
180970057	2011	4	4	14	V	0.06	0	6.57	303
180970057	2011	4	4	15	V	0.07	0	4.71	287
180970057	2011	4	4	16	V	0.1	0	7.55	276
180970057	2011	4	4	17	V	0.04	0	8.15	290
180970057	2011	4	4	18	V	0.03	0	8.03	290
180970057	2011	4	4	19	V	0.03	0	7.89	290
180970057	2011	4	4	20	V	0.08	0	7.57	286
180970057	2011	4	4	21	V	0.1	0	7.42	284
180970057	2011	4	4	22	V	0.7	0	5.27	272

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	4	23	V	0.1	0	6.45	284
180970057	2011	4	4	24	V	0.08	0	6.8	286
180970057	2011	4	5	1	V	0.02	0	6.79	293
180970057	2011	4	5	2	V	0.01	0	7.71	299
180970057	2011	4	5	3	V	0.01	0	7.14	307
180970057	2011	4	5	4	V	0.02	0	5.84	302
180970057	2011	4	5	5	V	0.03	0	5.68	295
180970057	2011	4	5	6	V	0.1	0	4.43	295
180970057	2011	4	5	7	V	0.3	0	4.1	286
180970057	2011	4	5	8	V	0.3	0	4.36	289
180970057	2011	4	5	9	V	0.1	0	6.01	290
180970057	2011	4	5	10	V	0.1	0	5.75	298
180970057	2011	4	5	11	V	0.09	0	6.41	295
180970057	2011	4	5	12	V	0.08	0	7.52	294
180970057	2011	4	5	13	V	0.09	0	7.86	285
180970057	2011	4	5	14	V	0.1	0	8.35	281
180970057	2011	4	5	15	V	0.1	0	8.85	278
180970057	2011	4	5	16	V	0.1	0	8.79	274
180970057	2011	4	5	17	V	0.2	0	7.52	281
180970057	2011	4	5	18	V	0.7	0	6.89	269
180970057	2011	4	5	19	V	0.9	0	6.58	257
180970057	2011	4	5	20	V	0.5	0	4.49	236
180970057	2011	4	5	21	V	2.9	0	3.69	204
180970057	2011	4	5	22	V	4.7	0	3.68	183
180970057	2011	4	5	23	V	0.07	0	4.92	173
180970057	2011	4	5	24	V	0.02	0	5.46	170
180970057	2011	4	6	1	V	0.04	0	5.34	175
180970057	2011	4	6	2	V	0.2	0	5.41	179
180970057	2011	4	6	3	V	10.9	1.4	5.73	189
180970057	2011	4	6	4	V	13.4	17.9	6.07	195
180970057	2011	4	6	5	V	7.7	9.5	5.92	199
180970057	2011	4	6	6	V	0.3	4.1	6.84	212
180970057	2011	4	6	7	V	0.2	7.6	6.82	215
180970057	2011	4	6	8	V	0.09	3.6	7.2	218
180970057	2011	4	6	9	V	0.1	2.7	8.42	216
180970057	2011	4	6	10	V	0.09	2.1	9.51	217
180970057	2011	4	6	11	V	0.07	1.8	10.37	221
180970057	2011	4	6	12	V	0.1	2.6	11.58	228
180970057	2011	4	6	13	V	0.1	0.9	12.91	229
180970057	2011	4	6	14	V	0.09	0.8	11.24	227
180970057	2011	4	6	15	V	0.06	0.3	10.92	223
180970057	2011	4	6	16	V	0.05	0	10.56	220
180970057	2011	4	6	17	V	0.05	0	10.6	223
180970057	2011	4	6	18	V	0.03	0	8.5	220
180970057	2011	4	6	19	V	0.3	0	7.06	237
180970057	2011	4	6	20	V	0.5	0	5.07	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	6	21	V	0.2	0	3.88	212
180970057	2011	4	6	22	V	0.1	0.6	3.42	215
180970057	2011	4	6	23	V	0.4	0	4.46	233
180970057	2011	4	6	24	V	1.0	1.1	3.61	241
180970057	2011	4	7	1	V	0.1	0	2.42	234
180970057	2011	4	7	2	V	1.0	0	1.28	236
180970057	2011	4	7	3	V	0.08	0	2.49	214
180970057	2011	4	7	4	V	0.06	0	2.72	321
180970057	2011	4	7	5	V	0.04	0	4.49	29
180970057	2011	4	7	6	V	2.6	0	4.65	32
180970057	2011	4	7	7	V	11.8	0.1	4.27	41
180970057	2011	4	7	8	V	13.9	3.8	4.66	48
180970057	2011	4	7	9	V	13.2	6.9	4.65	49
180970057	2011	4	7	10	V	11.5	7.3	4.73	42
180970057	2011	4	7	11	V	16.4	3.9	5	50
180970057	2011	4	7	12	V	1.8	1.8	5.5	63
180970057	2011	4	7	13	V	0.5	1.6	5.41	68
180970057	2011	4	7	14	V	0.09	1.9	5.65	74
180970057	2011	4	7	15	V	0.1	1.9	5.62	69
180970057	2011	4	7	16	V	0.08	1.3	5.55	69
180970057	2011	4	7	17	V	0.6	0.7	7.2	56
180970057	2011	4	7	18	V	0.5	0.2	6.26	55
180970057	2011	4	7	19	V	0.4	0	6.96	56
180970057	2011	4	7	20	V	0.2	0	6.96	60
180970057	2011	4	7	21	V	0.2	0	6.21	59
180970057	2011	4	7	22	V	0.06	0	6.81	63
180970057	2011	4	7	23	V	0.03	0	7.18	73
180970057	2011	4	7	24	V	0.02	0	5.89	84
180970057	2011	4	8	1	V	0.02	0	6.99	101
180970057	2011	4	8	2	V	0.02	0.2	5.92	75
180970057	2011	4	8	3	V	0.02	0	6.57	19
180970057	2011	4	8	4	V	0.9	0	7.18	52
180970057	2011	4	8	5	V	0.03	0	5.58	67
180970057	2011	4	8	6	V	0.07	0	5.22	80
180970057	2011	4	8	7	V	0.7	0	3.03	89
180970057	2011	4	8	8	V	1.2	0	2.27	101
180970057	2011	4	8	9	V	1.0	0	2.71	122
180970057	2011	4	8	10	V	1.5	0.3	2.4	159
180970057	2011	4	8	11	V	9.5	3.5	2.35	214
180970057	2011	4	8	12	V	0.5	4.8	5.77	247
180970057	2011	4	8	13	V	0.2	2.6	6.19	267
180970057	2011	4	8	14	V	0.2	2.4	5.85	276
180970057	2011	4	8	15	V	0.1	2	5.79	289
180970057	2011	4	8	16	V	0.1	2.4	4.41	328
180970057	2011	4	8	17	V	0.05	1.2	4.94	337
180970057	2011	4	8	18	V	0.03	0.4	5.46	332

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	8	19	V	0.04	0	4.97	346
180970057	2011	4	8	20	V	0.03	0	4.82	17
180970057	2011	4	8	21	V	0.06	0	4.68	27
180970057	2011	4	8	22	V	0.5	0	4.12	34
180970057	2011	4	8	23	V	5.4	0.6	3.37	52
180970057	2011	4	8	24	V	0.9	0.9	3.27	36
180970057	2011	4	9	1	V	0.05	0	2.52	70
180970057	2011	4	9	2	V	0.04	0	2.78	104
180970057	2011	4	9	3	V	0.04	0	2.86	110
180970057	2011	4	9	4	V	0.04	0	3.32	115
180970057	2011	4	9	5	V	0.05	0	3.63	89
180970057	2011	4	9	6	V	0.1	0	3.58	95
180970057	2011	4	9	7	V	0.08	0	4.51	111
180970057	2011	4	9	8	V	0.1	0	4.27	106
180970057	2011	4	9	9	V	0.1	0	4.41	92
180970057	2011	4	9	10	V	33.5	0	2.67	194
180970057	2011	4	9	11	V	0.2	0.3	3.81	143
180970057	2011	4	9	12	V	0.08	0.4	7.42	21
180970057	2011	4	9	13	V	0.8	3.9	3.76	70
180970057	2011	4	9	14	V	0.3	4	3.61	103
180970057	2011	4	9	15	V	3.0	6	3.68	173
180970057	2011	4	9	16	V	29.2	28.2	3.66	188
180970057	2011	4	9	17	V	22.8	37.8	3.32	191
180970057	2011	4	9	18	V	1.5	11.1	3.58	182
180970057	2011	4	9	19	V	0.03	4.5	3.59	172
180970057	2011	4	9	20	V	0.03	0.5	2.81	138
180970057	2011	4	9	21	V	0.03	0	4.15	122
180970057	2011	4	9	22	V	0.03	0	4.41	137
180970057	2011	4	9	23	V	0.01	0	5.09	134
180970057	2011	4	9	24	V	0.01	0	5.85	136
180970057	2011	4	10	1	V	0.01	0	5.8	143
180970057	2011	4	10	2	V	0.02	0	4.87	145
180970057	2011	4	10	3	V	0.02	0	5.14	144
180970057	2011	4	10	4	V	0.01	0	5.36	144
180970057	2011	4	10	5	V	0.02	0	3.98	147
180970057	2011	4	10	6	V	0.1	0	3.74	144
180970057	2011	4	10	7	V	0.1	0	4.44	148
180970057	2011	4	10	8	V	0.08	0	5.67	156
180970057	2011	4	10	9	V	0.09	0.2	5.53	164
180970057	2011	4	10	10	V	2.1	0.9	5.39	177
180970057	2011	4	10	11	V	10.4	10.5	6.36	196
180970057	2011	4	10	12	V	0.07	5.6	9.56	226
180970057	2011	4	10	13	V	0.05	2.5	9.47	222
180970057	2011	4	10	14	V	0.05	1.4	9.76	223
180970057	2011	4	10	15	V	0.04	0.8	9.34	216
180970057	2011	4	10	16	V	0.3	1.4	9.83	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	10	17	V	3.4	1.1	8.96	201
180970057	2011	4	10	18	V	0.4	2.1	10.07	209
180970057	2011	4	10	19	V	0.1	2.9	9.25	211
180970057	2011	4	10	20	V	0.05	3.7	8.42	214
180970057	2011	4	10	21	V	0.04	2.3	7.69	221
180970057	2011	4	10	22	V	0.03	0.9	8.85	217
180970057	2011	4	10	23	V	0.03	-999	10.02	218
180970057	2011	4	10	24	V	0.03	0.5	9.12	217
180970057	2011	4	11	1	V	0.05	1.8	9.58	213
180970057	2011	4	11	2	V	0.03	1.1	11.33	224
180970057	2011	4	11	3	V	0.03	0.4	10.85	226
180970057	2011	4	11	4	V	0.5	0	10.68	242
180970057	2011	4	11	5	V	0.4	0	6.81	276
180970057	2011	4	11	6	V	12.1	0	5.09	189
180970057	2011	4	11	7	V	1.3	0	6.66	207
180970057	2011	4	11	8	V	0.07	0	5.96	220
180970057	2011	4	11	9	V	0.3	0	6.46	234
180970057	2011	4	11	10	V	0.05	0	6.67	222
180970057	2011	4	11	11	V	0.06	0	6.46	224
180970057	2011	4	11	12	V	0.1	0	6.18	229
180970057	2011	4	11	13	V	0.06	0	5.73	222
180970057	2011	4	11	14	V	0.1	0	4.46	227
180970057	2011	4	11	15	V	0.3	0	3.07	264
180970057	2011	4	11	16	V	0.2	0	5.55	274
180970057	2011	4	11	17	V	0.06	0	4.53	328
180970057	2011	4	11	18	V	0.04	0	4.61	337
180970057	2011	4	11	19	V	0.03	0	4.42	330
180970057	2011	4	11	20	V	0.04	0	3.39	360
180970057	2011	4	11	21	V	0.05	0	3.37	17
180970057	2011	4	11	22	V	0.03	0	5.24	15
180970057	2011	4	11	23	V	0.02	0	6.91	20
180970057	2011	4	11	24	V	0.02	0	6.91	12
180970057	2011	4	12	1	V	0.01	0	7.64	7
180970057	2011	4	12	2	V	0.02	0	7.91	9
180970057	2011	4	12	3	V	0.02	0	7.83	10
180970057	2011	4	12	4	V	0.02	0	7.13	6
180970057	2011	4	12	5	V	0.02	0	7.6	12
180970057	2011	4	12	6	V	0.07	0	8.33	18
180970057	2011	4	12	7	V	0.08	0	7.86	9
180970057	2011	4	12	8	V	0.09	0	7.57	7
180970057	2011	4	12	9	V	0.09	0	7.83	9
180970057	2011	4	12	10	V	0.1	0	7.35	4
180970057	2011	4	12	11	V	0.1	-999	7.35	352
180970057	2011	4	12	12	V	0.1	0	6.79	12
180970057	2011	4	12	13	V	0.1	0	6.86	357
180970057	2011	4	12	14	V	0.1	0	6.45	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	12	15	V	0.1	0	6.45	348
180970057	2011	4	12	16	V	0.1	0	6.18	341
180970057	2011	4	12	17	V	0.05	0	6.16	344
180970057	2011	4	12	18	V	0.02	0	5.75	338
180970057	2011	4	12	19	V	0.03	0	5.07	13
180970057	2011	4	12	20	V	0.05	0	4.07	18
180970057	2011	4	12	21	V	0.1	0	2.15	354
180970057	2011	4	12	22	V	0.1	0	2.33	342
180970057	2011	4	12	23	V	0.03	0	4.73	335
180970057	2011	4	12	24	V	0.03	0	3.51	343
180970057	2011	4	13	1	V	0.05	0	2.73	10
180970057	2011	4	13	2	V	0.1	0	2.08	355
180970057	2011	4	13	3	V	0.2	0	1.79	10
180970057	2011	4	13	4	V	0.08	0	2.33	20
180970057	2011	4	13	5	V	0.3	0	1.52	341
180970057	2011	4	13	6	V	1.8	0	1.37	342
180970057	2011	4	13	7	V	3.7	0	1.4	358
180970057	2011	4	13	8	V	26.8	0	0.79	11
180970057	2011	4	13	9	V	11.0	0.7	1.18	235
180970057	2011	4	13	10	V	17.2	9.6	2.35	215
180970057	2011	4	13	11	V	38.7	16.5	1.96	209
180970057	2011	4	13	12	V	1.9	2.4	1.93	246
180970057	2011	4	13	13	V	1.2	1.3	2.06	266
180970057	2011	4	13	14	V	0.5	0.9	2.57	299
180970057	2011	4	13	15	V	0.5	0	2.16	324
180970057	2011	4	13	16	V	0.2	0	2.69	304
180970057	2011	4	13	17	V	0.03	0	2.64	306
180970057	2011	4	13	18	V	0.2	0	2.08	309
180970057	2011	4	13	19	V	0.2	0	1.99	312
180970057	2011	4	13	20	V	0.1	0	2.28	352
180970057	2011	4	13	21	V	0.07	0	2.76	2
180970057	2011	4	13	22	V	0.1	0	2.39	18
180970057	2011	4	13	23	V	1.4	0	2.04	34
180970057	2011	4	13	24	V	0.6	0.3	1.38	19
180970057	2011	4	14	1	V	3.2	0.3	0.86	358
180970057	2011	4	14	2	V	5.0	0.6	1.25	30
180970057	2011	4	14	3	V	17.1	0.3	1.25	57
180970057	2011	4	14	4	V	1.4	0.4	1.09	324
180970057	2011	4	14	5	V	18.3	0.7	1.35	39
180970057	2011	4	14	6	V	14.7	1	0.97	58
180970057	2011	4	14	7	V	7.5	1.3	1.71	23
180970057	2011	4	14	8	V	19.5	1.1	2.33	45
180970057	2011	4	14	9	V	1.2	0.9	2.86	91
180970057	2011	4	14	10	V	0.4	2.8	3.54	117
180970057	2011	4	14	11	V	0.3	2.5	4.03	125
180970057	2011	4	14	12	V	0.2	1.3	5.02	118

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	14	13	V	0.2	1.2	4.97	111
180970057	2011	4	14	14	V	0.1	0.2	4.88	111
180970057	2011	4	14	15	V	0.1	0.5	5.58	102
180970057	2011	4	14	16	V	0.09	0.2	6.01	110
180970057	2011	4	14	17	V	0.05	0	5.84	112
180970057	2011	4	14	18	V	0.02	0.4	6.86	100
180970057	2011	4	14	19	V	0.02	0.3	6.14	95
180970057	2011	4	14	20	V	0.04	0	4.46	92
180970057	2011	4	14	21	V	0.05	0	4.26	87
180970057	2011	4	14	22	V	0.03	0	7.69	65
180970057	2011	4	14	23	V	0.04	0	7.57	66
180970057	2011	4	14	24	V	0.04	0	7.59	65
180970057	2011	4	15	1	V	0.03	0	7.72	66
180970057	2011	4	15	2	V	0.02	0	7.54	70
180970057	2011	4	15	3	V	0.02	0	6.72	69
180970057	2011	4	15	4	V	0.02	0	6.79	71
180970057	2011	4	15	5	V	0.02	0	7.35	72
180970057	2011	4	15	6	V	0.07	0	7.89	75
180970057	2011	4	15	7	V	0.08	0	7.72	81
180970057	2011	4	15	8	V	0.07	0	8.35	88
180970057	2011	4	15	9	V	0.07	0.4	8.59	91
180970057	2011	4	15	10	V	0.08	1	7.6	89
180970057	2011	4	15	11	V	0.08	1.7	7.6	95
180970057	2011	4	15	12	V	0.09	1.7	7.48	102
180970057	2011	4	15	13	V	0.07	1.5	7.06	137
180970057	2011	4	15	14	V	0.08	0.3	5.19	123
180970057	2011	4	15	15	V	0.06	0	6.94	118
180970057	2011	4	15	16	V	0.05	0	8.34	134
180970057	2011	4	15	17	V	0.06	0	10.75	134
180970057	2011	4	15	18	V	0.04	0	9.97	132
180970057	2011	4	15	19	V	0.04	0	10.1	125
180970057	2011	4	15	20	V	0.02	0	8.74	130
180970057	2011	4	15	21	V	0.03	0	9.22	142
180970057	2011	4	15	22	V	0.03	0.5	9.27	145
180970057	2011	4	15	23	V	0.03	0.5	9.32	161
180970057	2011	4	15	24	V	10.5	0.3	5.7	191
180970057	2011	4	16	1	V	0.03	0	4.85	147
180970057	2011	4	16	2	V	0.02	0	5.67	128
180970057	2011	4	16	3	V	0.02	0	5.72	149
180970057	2011	4	16	4	V	0.03	0	5.43	168
180970057	2011	4	16	5	V	10.4	3.3	6.48	195
180970057	2011	4	16	6	V	0.07	2.6	6.86	216
180970057	2011	4	16	7	V	0.1	0.3	7.08	234
180970057	2011	4	16	8	V	0.05	0	6.91	228
180970057	2011	4	16	9	V	0.07	0	7.94	224
180970057	2011	4	16	10	V	0.2	0	8.61	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	16	11	V	0.2	0	9.61	231
180970057	2011	4	16	12	V	0.5	0	10.1	241
180970057	2011	4	16	13	V	0.3	0	10.03	235
180970057	2011	4	16	14	V	0.1	0	9.68	229
180970057	2011	4	16	15	V	0.09	0	9.2	228
180970057	2011	4	16	16	V	0.5	0	10.99	243
180970057	2011	4	16	17	V	0.4	0	11.63	267
180970057	2011	4	16	18	V	0.4	0	10.8	270
180970057	2011	4	16	19	V	0.4	0	10.03	271
180970057	2011	4	16	20	V	0.5	0	8.76	270
180970057	2011	4	16	21	V	0.5	0	8.96	269
180970057	2011	4	16	22	V	0.5	0	8.81	272
180970057	2011	4	16	23	V	0.8	0	6.48	252
180970057	2011	4	16	24	V	0.3	0	6.12	234
180970057	2011	4	17	1	V	0.06	0	6.24	232
180970057	2011	4	17	2	V	0.04	0	6.92	231
180970057	2011	4	17	3	V	0.03	0	6.13	230
180970057	2011	4	17	4	V	0.03	0	5.14	230
180970057	2011	4	17	5	V	0.07	0	5.02	232
180970057	2011	4	17	6	V	0.1	0	6.19	232
180970057	2011	4	17	7	V	0.2	0	6.4	237
180970057	2011	4	17	8	V	0.1	0	6.55	235
180970057	2011	4	17	9	V	0.4	1	8.11	246
180970057	2011	4	17	10	V	0.2	1.4	8.49	252
180970057	2011	4	17	11	V	0.2	1.4	9.05	255
180970057	2011	4	17	12	V	0.2	0.3	9.32	259
180970057	2011	4	17	13	V	0.2	0	8.95	267
180970057	2011	4	17	14	V	0.2	0	9.2	265
180970057	2011	4	17	15	V	0.2	0	8.37	265
180970057	2011	4	17	16	V	0.2	0.4	7.79	256
180970057	2011	4	17	17	V	0.2	0.6	7.86	255
180970057	2011	4	17	18	V	0.7	0.3	6.86	269
180970057	2011	4	17	19	V	0.06	0.6	4.07	312
180970057	2011	4	17	20	V	0.07	0	2.62	336
180970057	2011	4	17	21	V	0.09	0	2.42	11
180970057	2011	4	17	22	V	0.3	0	1.69	73
180970057	2011	4	17	23	V	0.2	-999	1.79	91
180970057	2011	4	17	24	V	0.07	0.5	3.86	125
180970057	2011	4	18	1	V	0.05	1.1	3.36	99
180970057	2011	4	18	2	V	0.4	0.1	2.86	59
180970057	2011	4	18	3	V	0.07	0	2.36	68
180970057	2011	4	18	4	V	0.06	0	3.36	87
180970057	2011	4	18	5	V	0.06	0.3	2.86	134
180970057	2011	4	18	6	V	0.3	1.1	2.86	348
180970057	2011	4	18	7	C	-999	1.9	0	0
180970057	2011	4	18	8	V	8.1	2.2	3.36	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	18	9	V	0.1	2.5	7.46	228
180970057	2011	4	18	10	V	0.2	2.2	8.96	234
180970057	2011	4	18	11	V	0.2	1.9	9.06	254
180970057	2011	4	18	12	V	0.2	1.4	8.46	257
180970057	2011	4	18	13	V	0.1	1.5	7.96	275
180970057	2011	4	18	14	V	0.4	1.3	5.36	235
180970057	2011	4	18	15	V	0.3	1.2	5.36	254
180970057	2011	4	18	16	V	0.3	0.9	4.36	265
180970057	2011	4	18	17	V	0.3	1	4.86	261
180970057	2011	4	18	18	V	0.1	0.6	6.46	35
180970057	2011	4	18	19	V	0.4	0	6.96	39
180970057	2011	4	18	20	V	0.03	0	7.96	29
180970057	2011	4	18	21	V	1.3	3	7.46	49
180970057	2011	4	18	22	V	0.2	4	5.36	59
180970057	2011	4	18	23	V	0.02	0	6.46	73
180970057	2011	4	18	24	V	0.02	0.7	7.46	80
180970057	2011	4	19	1	V	0.6	0	5.36	55
180970057	2011	4	19	2	V	7.7	1	3.86	49
180970057	2011	4	19	3	V	1.8	1	5.36	49
180970057	2011	4	19	4	V	0.1	0.3	5.96	60
180970057	2011	4	19	5	V	0.7	2.4	5.96	40
180970057	2011	4	19	6	V	0.1	1.7	6.96	25
180970057	2011	4	19	7	V	4.2	0	8.96	36
180970057	2011	4	19	8	V	0.09	0.7	6.46	85
180970057	2011	4	19	9	V	0.09	0	6.96	93
180970057	2011	4	19	10	V	0.08	0	6.46	87
180970057	2011	4	19	11	V	17.7	0	4.86	47
180970057	2011	4	19	12	V	0.07	0	6.46	128
180970057	2011	4	19	13	V	0.1	0	4.86	111
180970057	2011	4	19	14	V	0.4	0	2.36	116
180970057	2011	4	19	15	V	0.2	0	3.86	126
180970057	2011	4	19	16	V	0.07	0.6	6.96	168
180970057	2011	4	19	17	V	0.07	0.4	7.46	170
180970057	2011	4	19	18	V	0.03	0.3	5.96	166
180970057	2011	4	19	19	V	0.04	0	4.86	163
180970057	2011	4	19	20	V	0.08	0	3.4	156
180970057	2011	4	19	21	V	0.04	0	5.46	160
180970057	2011	4	19	22	V	0.04	0	7.57	221
180970057	2011	4	19	23	V	0.3	0	4.14	230
180970057	2011	4	19	24	V	0.6	0	6.4	243
180970057	2011	4	20	1	V	11.4	0	6.3	188
180970057	2011	4	20	2	V	0.07	0	9.53	171
180970057	2011	4	20	3	V	0.1	0	8.86	232
180970057	2011	4	20	4	V	0.4	0	9.66	274
180970057	2011	4	20	5	V	0.5	0	9.53	270
180970057	2011	4	20	6	V	0.1	0	8.61	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	20	7	V	0.07	0	8.66	278
180970057	2011	4	20	8	V	0.08	0	8.81	276
180970057	2011	4	20	9	V	0.06	0	7.76	279
180970057	2011	4	20	10	V	0.03	0	7.54	284
180970057	2011	4	20	11	V	0.05	0	7.96	281
180970057	2011	4	20	12	V	0.07	0	7.4	279
180970057	2011	4	20	13	V	0.09	0	7.08	277
180970057	2011	4	20	14	V	0.03	0	7.11	286
180970057	2011	4	20	15	V	0.1	0	6.8	276
180970057	2011	4	20	16	V	0.08	0	6.84	278
180970057	2011	4	20	17	V	0.5	0	6.3	274
180970057	2011	4	20	18	V	0.2	0	5.68	281
180970057	2011	4	20	19	V	0.2	0	5.82	282
180970057	2011	4	20	20	V	0.09	0	5.05	286
180970057	2011	4	20	21	V	0.07	0	4.49	288
180970057	2011	4	20	22	V	0.03	0	4.12	301
180970057	2011	4	20	23	V	0.02	0	3.29	302
180970057	2011	4	20	24	V	0.03	0	2.74	298
180970057	2011	4	21	1	V	0.02	0	3.85	326
180970057	2011	4	21	2	V	0.03	0	2.76	331
180970057	2011	4	21	3	V	0.2	0	1.65	290
180970057	2011	4	21	4	V	0.2	0	1.84	302
180970057	2011	4	21	5	V	0.3	0	1.47	333
180970057	2011	4	21	6	V	0.9	0	1.6	315
180970057	2011	4	21	7	V	1.4	0	1.89	351
180970057	2011	4	21	8	V	11.0	0	1.91	34
180970057	2011	4	21	9	V	12.9	1.8	2.4	44
180970057	2011	4	21	10	V	11.5	2	4.09	54
180970057	2011	4	21	11	V	13.2	0.5	5.05	44
180970057	2011	4	21	12	V	0.2	0	4.44	94
180970057	2011	4	21	13	V	0.2	0	4.77	105
180970057	2011	4	21	14	V	0.1	0	4.92	96
180970057	2011	4	21	15	V	0.08	0	5.05	87
180970057	2011	4	21	16	V	0.07	0	5.41	96
180970057	2011	4	21	17	V	0.04	0	6.45	93
180970057	2011	4	21	18	V	0.01	0	7.57	109
180970057	2011	4	21	19	V	0.01	0	6.69	116
180970057	2011	4	21	20	V	0.02	0	5.14	106
180970057	2011	4	21	21	V	0.03	0	4.65	102
180970057	2011	4	21	22	V	0.04	0.1	4.53	103
180970057	2011	4	21	23	V	0.02	0	5.65	101
180970057	2011	4	21	24	V	0.02	0	6.4	86
180970057	2011	4	22	1	V	0.8	0.7	4.83	56
180970057	2011	4	22	2	V	0.03	0	5.94	65
180970057	2011	4	22	3	V	0.01	0	6.7	69
180970057	2011	4	22	4	V	0.01	0	6.61	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	22	5	V	0.01	0.5	7.96	100
180970057	2011	4	22	6	V	0.05	1.6	5.96	97
180970057	2011	4	22	7	V	0.06	1.2	5.96	115
180970057	2011	4	22	8	V	0.05	1.2	8.46	121
180970057	2011	4	22	9	V	0.06	0.3	6.96	96
180970057	2011	4	22	10	V	0.1	0.7	4.86	124
180970057	2011	4	22	11	V	0.05	1	5.96	119
180970057	2011	4	22	12	V	0.07	1.2	4.86	121
180970057	2011	4	22	13	V	0.08	1	4.36	115
180970057	2011	4	22	14	V	14.5	1	1.76	44
180970057	2011	4	22	15	V	0.2	0.3	2.36	120
180970057	2011	4	22	16	V	0.05	0	5.36	71
180970057	2011	4	22	17	V	0.02	0	7.46	139
180970057	2011	4	22	18	V	0.02	0	6.96	153
180970057	2011	4	22	19	V	0.03	0	4.86	159
180970057	2011	4	22	20	V	0.02	0	5.96	164
180970057	2011	4	22	21	V	0.02	0	5.96	166
180970057	2011	4	22	22	V	0.03	0	4.86	158
180970057	2011	4	22	23	V	5.1	0	3.36	184
180970057	2011	4	22	24	V	0.5	0	9.56	207
180970057	2011	4	23	1	V	0.6	0	7.46	206
180970057	2011	4	23	2	V	0.1	0.5	7.96	210
180970057	2011	4	23	3	V	0.2	0	6.96	210
180970057	2011	4	23	4	V	0.02	0	6.46	227
180970057	2011	4	23	5	V	0.04	0	5.96	230
180970057	2011	4	23	6	V	0.07	0	4.86	221
180970057	2011	4	23	7	V	0.3	0	3.86	240
180970057	2011	4	23	8	V	0.2	0	3.86	295
180970057	2011	4	23	9	V	0.1	0	4.86	218
180970057	2011	4	23	10	V	0.5	1.2	5.36	241
180970057	2011	4	23	11	V	0.1	1.4	7.96	228
180970057	2011	4	23	12	V	0.5	0	5.36	240
180970057	2011	4	23	13	V	0.4	0	7.96	242
180970057	2011	4	23	14	V	0.05	0	6.46	217
180970057	2011	4	23	15	V	0.5	0.1	7.96	241
180970057	2011	4	23	16	V	0.5	0	10.06	239
180970057	2011	4	23	17	V	0.07	0	6.46	231
180970057	2011	4	23	18	V	0.9	0	2.86	239
180970057	2011	4	23	19	V	0.07	0.1	4.86	216
180970057	2011	4	23	20	V	36.1	0.4	3.36	195
180970057	2011	4	23	21	V	28.5	1.7	3.36	197
180970057	2011	4	23	22	V	0.3	0.7	3.36	230
180970057	2011	4	23	23	V	7.3	0.3	3.86	202
180970057	2011	4	23	24	C	-999	0	0	0
180970057	2011	4	24	1	V	2.4	0.2	1.76	34
180970057	2011	4	24	2	V	0.04	0.3	2.36	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	24	3	V	0.04	0.3	2.36	21
180970057	2011	4	24	4	V	0.03	0	4.36	346
180970057	2011	4	24	5	V	0.02	0	5.36	7
180970057	2011	4	24	6	V	2.9	0	3.36	31
180970057	2011	4	24	7	V	7.2	0	3.86	36
180970057	2011	4	24	8	V	1.3	0	2.86	21
180970057	2011	4	24	9	V	4.8	0	3.86	36
180970057	2011	4	24	10	V	7.4	0	4.36	38
180970057	2011	4	24	11	V	6.0	0.2	1.76	66
180970057	2011	4	24	12	V	0.4	0.1	2.86	163
180970057	2011	4	24	13	C	-999	0	0	0
180970057	2011	4	24	14	V	6.6	0	1.76	32
180970057	2011	4	24	15	C	-999	0	0	0
180970057	2011	4	24	16	V	0.07	0	2.86	320
180970057	2011	4	24	17	C	-999	0	0	0
180970057	2011	4	24	18	C	-999	0	0	0
180970057	2011	4	24	19	V	20.5	0	1.76	51
180970057	2011	4	24	20	V	0.07	0	2.36	119
180970057	2011	4	24	21	V	0.08	0	2.86	88
180970057	2011	4	24	22	V	0.07	0	2.36	100
180970057	2011	4	24	23	V	0.2	-999	1.76	85
180970057	2011	4	24	24	V	0.2	0	1.76	80
180970057	2011	4	25	1	V	0.06	0	2.56	106
180970057	2011	4	25	2	V	0.1	0	2.03	128
180970057	2011	4	25	3	V	0.8	0	1.18	130
180970057	2011	4	25	4	V	0.4	0	1.37	86
180970057	2011	4	25	5	V	0.09	0	2.16	96
180970057	2011	4	25	6	V	0.2	0	3.12	88
180970057	2011	4	25	7	V	0.5	0	2.78	123
180970057	2011	4	25	8	V	2.2	0	1.77	122
180970057	2011	4	25	9	V	1.4	0	2.3	99
180970057	2011	4	25	10	V	2.0	0	2.08	86
180970057	2011	4	25	11	V	1.4	0	2.84	76
180970057	2011	4	25	12	V	3.4	0	3.13	32
180970057	2011	4	25	13	V	0.1	0	4.25	328
180970057	2011	4	25	14	V	0.4	0	3.05	340
180970057	2011	4	25	15	V	0.9	0	2.59	248
180970057	2011	4	25	16	V	0.7	0	4.03	213
180970057	2011	4	25	17	V	2.9	0	4.07	182
180970057	2011	4	25	18	V	10.5	0	3.41	203
180970057	2011	4	25	19	V	0.1	0	2.42	129
180970057	2011	4	25	20	V	0.08	0	3.57	111
180970057	2011	4	25	21	V	0.06	0	3.63	120
180970057	2011	4	25	22	V	0.06	0	3.8	110
180970057	2011	4	25	23	V	0.05	0	4.39	103
180970057	2011	4	25	24	V	0.02	0	6.16	120

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	26	1	V	0.02	0	7.28	124
180970057	2011	4	26	2	V	0.02	0	7.48	130
180970057	2011	4	26	3	V	0.02	0.7	8.52	139
180970057	2011	4	26	4	V	0.04	0.3	9.75	151
180970057	2011	4	26	5	V	13.5	2.3	9.97	189
180970057	2011	4	26	6	V	19.6	4.5	7.43	195
180970057	2011	4	26	7	V	2.3	0.9	9.71	207
180970057	2011	4	26	8	V	40.2	9.7	7.6	193
180970057	2011	4	26	9	V	24.6	30.6	9.22	187
180970057	2011	4	26	10	V	15.6	20.2	9.88	185
180970057	2011	4	26	11	V	15.4	19.2	9.8	185
180970057	2011	4	26	12	V	37.6	46.6	9.56	191
180970057	2011	4	26	13	V	31.9	15.6	10.29	196
180970057	2011	4	26	14	V	19.6	19.8	10.44	199
180970057	2011	4	26	15	V	18.0	25.2	9.9	186
180970057	2011	4	26	16	V	23.2	25.2	9.81	187
180970057	2011	4	26	17	V	23.9	41.8	10.1	187
180970057	2011	4	26	18	V	7.3	15.1	8.47	200
180970057	2011	4	26	19	V	0.1	5.9	7.91	211
180970057	2011	4	26	20	V	15.0	6.6	5.79	197
180970057	2011	4	26	21	V	3.0	5.4	3.25	182
180970057	2011	4	26	22	V	0.05	1.6	2.88	147
180970057	2011	4	26	23	V	0.06	0.4	3.35	143
180970057	2011	4	26	24	V	0.06	0	2.81	146
180970057	2011	4	27	1	V	0.06	0	4	136
180970057	2011	4	27	2	V	0.02	0	6.52	159
180970057	2011	4	27	3	V	0.03	0	5.04	136
180970057	2011	4	27	4	V	0.03	0	5.27	110
180970057	2011	4	27	5	V	0.03	0	6.07	115
180970057	2011	4	27	6	V	0.08	0	6.35	136
180970057	2011	4	27	7	V	0.09	0	6.87	148
180970057	2011	4	27	8	V	1.5	0	6.11	175
180970057	2011	4	27	9	V	20.8	0	7.3	198
180970057	2011	4	27	10	V	0.07	0	9.44	217
180970057	2011	4	27	11	V	0.07	0	9.71	224
180970057	2011	4	27	12	V	0.09	0	8.93	227
180970057	2011	4	27	13	V	0.09	0	6.24	222
180970057	2011	4	27	14	V	0.1	0	4.22	220
180970057	2011	4	27	15	V	0.4	0.5	3.37	263
180970057	2011	4	27	16	V	0.8	0	1.79	337
180970057	2011	4	27	17	V	0.02	0	2.05	19
180970057	2011	4	27	18	V	0.08	0	3.41	105
180970057	2011	4	27	19	V	0.07	0	3.49	155
180970057	2011	4	27	20	V	0.04	0	5.41	141
180970057	2011	4	27	21	V	0.06	0	4.71	135
180970057	2011	4	27	22	V	0.06	0	4.83	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	27	23	V	0.02	0	7.5	168
180970057	2011	4	27	24	V	0.07	0	15.81	288
180970057	2011	4	28	1	V	0.2	0	13.47	280
180970057	2011	4	28	2	V	0.2	0	11.94	278
180970057	2011	4	28	3	V	0.6	0	8.27	267
180970057	2011	4	28	4	V	0.5	0	6.91	252
180970057	2011	4	28	5	V	0.1	0	5.58	237
180970057	2011	4	28	6	V	0.1	0	5.41	221
180970057	2011	4	28	7	V	1.8	0	5.21	211
180970057	2011	4	28	8	V	0.07	0	7.49	220
180970057	2011	4	28	9	V	0.2	0	8.88	231
180970057	2011	4	28	10	V	0.1	0	9.07	229
180970057	2011	4	28	11	V	0.2	0	8.71	233
180970057	2011	4	28	12	V	0.2	0	10.58	231
180970057	2011	4	28	13	V	0.4	0	11.7	239
180970057	2011	4	28	14	V	0.3	0	11.06	235
180970057	2011	4	28	15	V	0.2	0	9.68	251
180970057	2011	4	28	16	V	0.4	0	9.2	245
180970057	2011	4	28	17	V	0.2	0	8.95	260
180970057	2011	4	28	18	V	0.3	0	10.82	277
180970057	2011	4	28	19	V	0.03	0	9.03	291
180970057	2011	4	28	20	V	0.02	0	7.21	298
180970057	2011	4	28	21	V	0.03	0	6.69	292
180970057	2011	4	28	22	V	0.06	0	4.7	297
180970057	2011	4	28	23	V	0.05	0	3.12	300
180970057	2011	4	28	24	V	0.04	0	3.63	294
180970057	2011	4	29	1	V	1.0	0	2.72	263
180970057	2011	4	29	2	V	0.3	0	3.05	251
180970057	2011	4	29	3	V	0.7	0	2.96	269
180970057	2011	4	29	4	V	0.1	0	3.32	286
180970057	2011	4	29	5	V	0.08	0	3.64	298
180970057	2011	4	29	6	V	0.2	0	4.29	307
180970057	2011	4	29	7	V	0.1	0	4.94	314
180970057	2011	4	29	8	V	0.1	0	6.01	322
180970057	2011	4	29	9	V	0.1	0	6.11	325
180970057	2011	4	29	10	V	0.2	0	4.99	321
180970057	2011	4	29	11	V	0.4	0	3.78	346
180970057	2011	4	29	12	V	0.7	0	2.98	323
180970057	2011	4	29	13	V	1.7	0	2.08	318
180970057	2011	4	29	14	V	1.3	0	2.2	314
180970057	2011	4	29	15	V	1.2	0	2.06	319
180970057	2011	4	29	16	V	0.7	0	2.25	279
180970057	2011	4	29	17	V	1.0	0	1.14	273
180970057	2011	4	29	18	V	40.1	0	1.08	204
180970057	2011	4	29	19	V	2.6	4.4	0.96	225
180970057	2011	4	29	20	V	1.5	2.9	1.06	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	4	29	21	V	0.3	0.4	1.59	88
180970057	2011	4	29	22	V	0.03	0	3	109
180970057	2011	4	29	23	V	0.03	0	3.22	124
180970057	2011	4	29	24	V	0.01	0.2	3.23	115
180970057	2011	4	30	1	V	0.01	0.6	3.44	112
180970057	2011	4	30	2	V	0.01	0.3	3.73	100
180970057	2011	4	30	3	V	0.01	0	3.44	106
180970057	2011	4	30	4	V	0.01	0.2	3.4	110
180970057	2011	4	30	5	V	0.03	0.1	3.52	112
180970057	2011	4	30	6	V	0.05	1.2	4.9	113
180970057	2011	4	30	7	V	0.05	4.4	5.8	124
180970057	2011	4	30	8	V	0.05	3.7	6.3	126
180970057	2011	4	30	9	V	0.04	3	7.77	130
180970057	2011	4	30	10	V	0.03	2.3	8.81	133
180970057	2011	4	30	11	V	0.03	2.2	8.83	130
180970057	2011	4	30	12	V	0.03	2.6	8.51	136
180970057	2011	4	30	13	V	0.03	2	9.29	136
180970057	2011	4	30	14	V	0.02	2.8	9.12	139
180970057	2011	4	30	15	V	0.02	1.1	9.68	154
180970057	2011	4	30	16	V	0.02	0	8.79	157
180970057	2011	4	30	17	V	0.02	0	8.15	154
180970057	2011	4	30	18	V	0.01	0	7.35	162
180970057	2011	4	30	19	V	0.01	0	5.79	170
180970057	2011	4	30	20	V	0.01	0.1	5.43	165
180970057	2011	4	30	21	V	0.01	0	4.39	154
180970057	2011	4	30	22	V	0.01	0	5.53	157
180970057	2011	4	30	23	V	0.1	0	3.47	177
180970057	2011	4	30	24	V	0.02	0	3.37	172
180970057	2011	5	1	1	V	0.8	0	4.59	182
180970057	2011	5	1	2	V	2.3	0	3.69	187
180970057	2011	5	1	3	V	0.01	0	5.87	219
180970057	2011	5	1	4	V	1.0	0	3.78	199
180970057	2011	5	1	5	V	0.6	0	3.74	205
180970057	2011	5	1	6	V	3.0	0	3.81	187
180970057	2011	5	1	7	V	3.7	0	3.66	186
180970057	2011	5	1	8	V	0.2	0	3.46	216
180970057	2011	5	1	9	V	2.5	0	3.56	202
180970057	2011	5	1	10	V	0.05	0	5.05	212
180970057	2011	5	1	11	V	0.08	0	4.39	226
180970057	2011	5	1	12	V	0.5	0	3.2	237
180970057	2011	5	1	13	V	0.09	0	3.3	222
180970057	2011	5	1	14	V	0.9	0	3.51	202
180970057	2011	5	1	15	V	1.2	0	3.61	199
180970057	2011	5	1	16	V	0.3	0	3.85	204
180970057	2011	5	1	17	V	0.02	0	5.36	324
180970057	2011	5	1	18	V	0.01	0	4.46	338

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	1	19	V	0.01	0	5.34	308
180970057	2011	5	1	20	V	0.01	0	5.89	308
180970057	2011	5	1	21	V	0.02	0	4.22	354
180970057	2011	5	1	22	V	0.5	0	3.25	35
180970057	2011	5	1	23	V	20.5	-999	1.76	47
180970057	2011	5	1	24	V	0.03	0	2.27	351
180970057	2011	5	2	1	V	0.03	0	4.22	291
180970057	2011	5	2	2	V	0.03	0	4.07	340
180970057	2011	5	2	3	V	0.04	0	4.2	15
180970057	2011	5	2	4	V	0.04	0	3.9	21
180970057	2011	5	2	5	V	0.06	0	4.03	8
180970057	2011	5	2	6	V	0.07	0	5.36	358
180970057	2011	5	2	7	V	0.08	0	5.38	7
180970057	2011	5	2	8	V	0.08	0	5.73	16
180970057	2011	5	2	9	V	14.7	0	5.77	47
180970057	2011	5	2	10	V	14.2	0	4.56	47
180970057	2011	5	2	11	V	9.9	0	3.1	36
180970057	2011	5	2	12	V	0.6	0	3.25	15
180970057	2011	5	2	13	V	0.5	0	3.4	360
180970057	2011	5	2	14	V	0.4	0	3.69	8
180970057	2011	5	2	15	V	0.1	0	4.12	3
180970057	2011	5	2	16	V	0.1	0	2.91	8
180970057	2011	5	2	17	V	0.01	0	2.5	19
180970057	2011	5	2	18	V	0.09	0	3.1	9
180970057	2011	5	2	19	V	0.09	0	3.85	10
180970057	2011	5	2	20	V	0.09	0	2.98	360
180970057	2011	5	2	21	V	0.09	0	3.01	17
180970057	2011	5	2	22	V	8.0	0	3.32	47
180970057	2011	5	2	23	V	0.08	0	3.95	17
180970057	2011	5	2	24	V	1.0	0	3.51	36
180970057	2011	5	3	1	V	0.1	0	3.13	31
180970057	2011	5	3	2	V	3.3	0	4.1	40
180970057	2011	5	3	3	V	0.05	0	3.13	12
180970057	2011	5	3	4	V	0.06	0	3.3	352
180970057	2011	5	3	5	V	0.08	0	3.32	4
180970057	2011	5	3	6	V	0.7	0	2.01	9
180970057	2011	5	3	7	V	0.7	0	2.57	2
180970057	2011	5	3	8	V	1.3	0	2.28	340
180970057	2011	5	3	9	V	1.1	0	2.56	326
180970057	2011	5	3	10	V	3.9	0	1.57	297
180970057	2011	5	3	11	V	2.2	0	2.05	285
180970057	2011	5	3	12	V	1.7	0	2.66	280
180970057	2011	5	3	13	V	0.4	0	3.73	309
180970057	2011	5	3	14	V	0.2	0	5.43	315
180970057	2011	5	3	15	V	0.1	0	5.24	323
180970057	2011	5	3	16	V	0.1	0	5.07	289

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	3	17	V	0.06	0	5.48	290
180970057	2011	5	3	18	V	0.3	0	4.39	281
180970057	2011	5	3	19	V	0.1	0	4.27	287
180970057	2011	5	3	20	V	0.05	0	4.82	295
180970057	2011	5	3	21	V	0.02	0	6.69	298
180970057	2011	5	3	22	V	0.02	0	5.91	301
180970057	2011	5	3	23	V	0.1	0	4.04	285
180970057	2011	5	3	24	V	0.7	0	4.19	273
180970057	2011	5	4	1	V	0.7	0	4.15	271
180970057	2011	5	4	2	V	0.03	0	5.5	303
180970057	2011	5	4	3	V	0.02	0	6.65	325
180970057	2011	5	4	4	V	0.02	0	7.65	330
180970057	2011	5	4	5	V	0.02	0	7.35	336
180970057	2011	5	4	6	V	0.07	0	7.03	338
180970057	2011	5	4	7	V	0.09	0	6.74	337
180970057	2011	5	4	8	V	0.08	0	7.18	338
180970057	2011	5	4	9	V	0.1	0	7.38	347
180970057	2011	5	4	10	V	0.1	0	7.03	354
180970057	2011	5	4	11	V	0.2	0	6.19	343
180970057	2011	5	4	12	V	0.1	0	5.43	339
180970057	2011	5	4	13	V	0.2	0	4.61	328
180970057	2011	5	4	14	V	0.1	0	5.41	312
180970057	2011	5	4	15	V	0.1	0	5.09	309
180970057	2011	5	4	16	V	0.1	0	5.44	303
180970057	2011	5	4	17	V	0.05	0	5.14	311
180970057	2011	5	4	18	V	0.04	0	3.95	304
180970057	2011	5	4	19	V	1.7	0	1.14	261
180970057	2011	5	4	20	V	1.1	0	1.42	230
180970057	2011	5	4	21	V	37.2	0	1.84	200
180970057	2011	5	4	22	V	1.3	0	2.86	241
180970057	2011	5	4	23	V	1.5	0	3.1	244
180970057	2011	5	4	24	V	1.7	0	2.11	242
180970057	2011	5	5	1	V	1.4	0	1.4	275
180970057	2011	5	5	2	V	1.4	0	1.65	262
180970057	2011	5	5	3	V	0.3	0	2.4	243
180970057	2011	5	5	4	V	0.9	0	1.64	267
180970057	2011	5	5	5	V	0.3	0	1.77	65
180970057	2011	5	5	6	V	24.1	0.7	0.55	121
180970057	2011	5	5	7	V	11.6	1	0.92	252
180970057	2011	5	5	8	V	6.1	1.4	1.25	143
180970057	2011	5	5	9	V	5.7	7	2.52	167
180970057	2011	5	5	10	V	6.6	28	3.73	175
180970057	2011	5	5	11	V	2.0	4.1	4.71	175
180970057	2011	5	5	12	V	10.3	9.3	4.83	182
180970057	2011	5	5	13	V	1.0	6.2	4.8	172
180970057	2011	5	5	14	V	15.1	14.8	4.88	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	5	15	V	20.3	9.6	4.82	187
180970057	2011	5	5	16	V	6.9	0.7	4.68	204
180970057	2011	5	5	17	V	23.0	4	5.19	190
180970057	2011	5	5	18	V	8.9	2.9	4.83	184
180970057	2011	5	5	19	V	0.4	1	4.46	177
180970057	2011	5	5	20	V	0.4	0.5	4.02	176
180970057	2011	5	5	21	V	20.4	0.3	3.8	185
180970057	2011	5	5	22	V	47.6	0.1	3.01	197
180970057	2011	5	5	23	V	23.0	0	3.54	186
180970057	2011	5	5	24	V	18.3	0.8	3.51	186
180970057	2011	5	6	1	V	0.7	0.5	3.51	276
180970057	2011	5	6	2	V	0.06	0	2.69	303
180970057	2011	5	6	3	V	0.05	0	3.01	310
180970057	2011	5	6	4	V	0.6	0	1.14	323
180970057	2011	5	6	5	C	-999	0	0	0
180970057	2011	5	6	6	V	1.2	0	1.59	249
180970057	2011	5	6	7	V	19.0	0	2.44	206
180970057	2011	5	6	8	V	0.9	0	3.07	246
180970057	2011	5	6	9	V	0.8	0	3.74	264
180970057	2011	5	6	10	V	0.8	0	3.98	266
180970057	2011	5	6	11	V	1.1	0	3.35	247
180970057	2011	5	6	12	V	0.7	0	3.78	242
180970057	2011	5	6	13	V	0.4	0	5.56	255
180970057	2011	5	6	14	V	0.3	0	6.6	262
180970057	2011	5	6	15	V	0.2	0	6.4	269
180970057	2011	5	6	16	V	0.3	0	6.74	260
180970057	2011	5	6	17	V	0.2	0	5.97	255
180970057	2011	5	6	18	V	0.6	0.4	6.75	244
180970057	2011	5	6	19	V	1.0	0.3	4.6	248
180970057	2011	5	6	20	V	1.0	0	4.58	243
180970057	2011	5	6	21	V	0.07	0	3.29	221
180970057	2011	5	6	22	V	0.1	0	3.07	223
180970057	2011	5	6	23	V	0.02	0	2.93	215
180970057	2011	5	6	24	V	0.2	0	3.01	226
180970057	2011	5	7	1	V	0.01	0	2.81	218
180970057	2011	5	7	2	V	0.01	0	2.76	215
180970057	2011	5	7	3	V	0.02	0	2.49	218
180970057	2011	5	7	4	V	0.04	0	2.33	212
180970057	2011	5	7	5	V	0.9	0	3.22	206
180970057	2011	5	7	6	V	3.3	0	2.44	202
180970057	2011	5	7	7	V	4.0	0	3.2	182
180970057	2011	5	7	8	V	6.1	0.2	2.74	186
180970057	2011	5	7	9	V	1.3	0.5	2.52	212
180970057	2011	5	7	10	V	3.3	0.6	4.03	182
180970057	2011	5	7	11	V	2.3	4.4	6.35	186
180970057	2011	5	7	12	V	1.4	1.8	7.72	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	7	13	V	2.8	1.8	7.94	188
180970057	2011	5	7	14	V	2.4	1.8	7.74	186
180970057	2011	5	7	15	V	0.3	2	7.23	177
180970057	2011	5	7	16	V	0.04	1.6	6.75	168
180970057	2011	5	7	17	V	1.9	1.7	7.16	185
180970057	2011	5	7	18	V	1.7	0	4.71	185
180970057	2011	5	7	19	V	0.01	0	2.54	122
180970057	2011	5	7	20	V	0.02	0	3.61	93
180970057	2011	5	7	21	V	0.01	0	4.46	153
180970057	2011	5	7	22	V	0.01	0	3.44	103
180970057	2011	5	7	23	V	0.02	0	3.15	85
180970057	2011	5	7	24	V	0.01	0	2.62	85
180970057	2011	5	8	1	V	0.02	0	2.28	89
180970057	2011	5	8	2	V	0.03	0	2.22	131
180970057	2011	5	8	3	V	0.2	0	1.3	155
180970057	2011	5	8	4	V	1.2	0	1.82	61
180970057	2011	5	8	5	V	9.0	0	4.05	45
180970057	2011	5	8	6	V	6.4	0	3.07	60
180970057	2011	5	8	7	V	12.9	0	3.8	53
180970057	2011	5	8	8	V	11.3	0	2.91	57
180970057	2011	5	8	9	V	0.3	0	3.35	83
180970057	2011	5	8	10	V	0.5	0	4.05	71
180970057	2011	5	8	11	V	0.2	0	4.2	78
180970057	2011	5	8	12	V	0.1	0	4.75	87
180970057	2011	5	8	13	V	0.2	0	4.29	109
180970057	2011	5	8	14	V	0.2	0	4.31	96
180970057	2011	5	8	15	V	0.1	0	4.75	95
180970057	2011	5	8	16	V	0.06	0	4.7	113
180970057	2011	5	8	17	V	0.03	0	4.92	113
180970057	2011	5	8	18	V	0.03	0	4.66	116
180970057	2011	5	8	19	V	0.03	0	4.58	118
180970057	2011	5	8	20	V	0.03	0	3.66	115
180970057	2011	5	8	21	V	0.04	0	3.35	113
180970057	2011	5	8	22	V	0.02	0	3.01	101
180970057	2011	5	8	23	V	0.02	-999	3.08	88
180970057	2011	5	8	24	V	0.02	0	3.39	81
180970057	2011	5	9	1	V	0.03	0	4.15	80
180970057	2011	5	9	2	V	0.02	0	5.02	81
180970057	2011	5	9	3	V	0.03	0	4.6	84
180970057	2011	5	9	4	V	0.04	0	4.27	84
180970057	2011	5	9	5	V	0.08	0	4.83	88
180970057	2011	5	9	6	V	0.1	0	4.73	98
180970057	2011	5	9	7	V	0.1	0	4.71	103
180970057	2011	5	9	8	V	0.1	0	6.07	104
180970057	2011	5	9	9	V	0.09	1.1	6.33	109
180970057	2011	5	9	10	V	0.09	2.4	6.53	113

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	9	11	V	0.08	3.3	7.25	115
180970057	2011	5	9	12	V	0.1	2.9	6.07	119
180970057	2011	5	9	13	V	0.08	2.3	6.3	114
180970057	2011	5	9	14	V	0.08	2.8	5.62	118
180970057	2011	5	9	15	V	0.08	2.9	5.51	127
180970057	2011	5	9	16	V	0.06	3.1	7.18	120
180970057	2011	5	9	17	V	0.05	2.5	6.92	122
180970057	2011	5	9	18	V	0.03	2.3	6.62	120
180970057	2011	5	9	19	V	0.03	1.5	5.75	124
180970057	2011	5	9	20	V	0.03	2.6	5.5	117
180970057	2011	5	9	21	V	0.03	4.8	5.72	114
180970057	2011	5	9	22	V	0.02	5.3	6.01	120
180970057	2011	5	9	23	V	0.02	-999	6.29	126
180970057	2011	5	9	24	V	0.02	-999	5.96	129
180970057	2011	5	10	1	V	0.02	1	5.89	132
180970057	2011	5	10	2	V	0.03	0.6	5.62	130
180970057	2011	5	10	3	V	0.05	1.8	4.46	113
180970057	2011	5	10	4	V	0.06	1.7	4.07	117
180970057	2011	5	10	5	V	0.05	0.6	5.34	125
180970057	2011	5	10	6	V	0.09	0.3	5.05	130
180970057	2011	5	10	7	V	0.3	0.4	4.03	143
180970057	2011	5	10	8	V	0.4	1.2	3.98	154
180970057	2011	5	10	9	V	0.5	1.4	3.74	167
180970057	2011	5	10	10	V	6.5	2.7	3.27	171
180970057	2011	5	10	11	V	27.4	17.6	3.76	202
180970057	2011	5	10	12	V	13.5	19.8	4.24	205
180970057	2011	5	10	13	V	0.1	6.7	6.94	226
180970057	2011	5	10	14	V	0.4	2.4	3.97	216
180970057	2011	5	10	15	V	19.2	7.7	5.56	201
180970057	2011	5	10	16	V	36.7	11.7	4.41	191
180970057	2011	5	10	17	V	0.08	8.4	7.08	226
180970057	2011	5	10	18	V	0.2	2.6	5.17	213
180970057	2011	5	10	19	V	1.7	1	4.17	207
180970057	2011	5	10	20	V	1.8	2.1	4.24	206
180970057	2011	5	10	21	V	18.0	3.1	3.73	200
180970057	2011	5	10	22	V	20.4	4.7	3.15	186
180970057	2011	5	10	23	V	0.7	-999	3.52	179
180970057	2011	5	10	24	V	0.2	3.1	3.22	178
180970057	2011	5	11	1	V	0.05	0.5	2.69	155
180970057	2011	5	11	2	V	0.06	0.1	2.56	166
180970057	2011	5	11	3	V	0.03	0	3.05	121
180970057	2011	5	11	4	V	0.03	0	3.88	132
180970057	2011	5	11	5	V	2.1	0	3.58	175
180970057	2011	5	11	6	V	1.5	0	3.25	215
180970057	2011	5	11	7	V	7.0	0	2.47	216
180970057	2011	5	11	8	V	0.6	2.6	3.61	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	11	9	V	0.5	3.7	5.07	246
180970057	2011	5	11	10	V	0.8	2.1	3.95	247
180970057	2011	5	11	11	V	2.1	2	2.98	218
180970057	2011	5	11	12	V	0.8	1.5	3.58	224
180970057	2011	5	11	13	V	0.6	0.7	4.32	239
180970057	2011	5	11	14	V	0.5	0.2	4.8	238
180970057	2011	5	11	15	V	0.5	0	4.94	239
180970057	2011	5	11	16	V	0.3	0	5.16	232
180970057	2011	5	11	17	V	0.2	0	4.39	219
180970057	2011	5	11	18	V	0.1	0	4.61	220
180970057	2011	5	11	19	V	1.2	0	3.59	247
180970057	2011	5	11	20	V	0.1	0	3.83	217
180970057	2011	5	11	21	V	73.6	0	3.27	194
180970057	2011	5	11	22	V	0.1	0	3.35	212
180970057	2011	5	11	23	V	22.0	0	3.39	199
180970057	2011	5	11	24	V	15.4	0.4	4.32	200
180970057	2011	5	12	1	V	0.09	0.1	4.03	214
180970057	2011	5	12	2	V	0.04	0.8	3.17	222
180970057	2011	5	12	3	V	0.05	0.5	2.74	229
180970057	2011	5	12	4	V	0.05	0	3.1	234
180970057	2011	5	12	5	V	0.4	0	2.76	235
180970057	2011	5	12	6	V	1.0	0	2.5	222
180970057	2011	5	12	7	V	52.8	0	1.65	205
180970057	2011	5	12	8	V	77.9	1.2	2.08	194
180970057	2011	5	12	9	V	5.4	5.3	2.73	218
180970057	2011	5	12	10	V	0.6	9.7	3.71	232
180970057	2011	5	12	11	V	0.3	3.9	5.02	225
180970057	2011	5	12	12	V	0.2	1.5	5.73	223
180970057	2011	5	12	13	V	0.3	0.5	5.51	220
180970057	2011	5	12	14	V	1.3	1.7	5.04	211
180970057	2011	5	12	15	V	3.8	4	5.46	207
180970057	2011	5	12	16	V	0.5	3.8	6.63	212
180970057	2011	5	12	17	V	0.1	1.2	5.68	215
180970057	2011	5	12	18	V	12.7	2.1	5.48	201
180970057	2011	5	12	19	V	0.1	0.9	4.2	213
180970057	2011	5	12	20	V	0.1	0.9	3.74	214
180970057	2011	5	12	21	V	0.2	0.3	6.87	233
180970057	2011	5	12	22	V	0.1	0	2.95	215
180970057	2011	5	12	23	V	0.1	0	2.5	214
180970057	2011	5	12	24	V	0.6	1	1.42	309
180970057	2011	5	13	1	V	0.4	1.2	1.55	225
180970057	2011	5	13	2	V	0.05	4.4	2.88	219
180970057	2011	5	13	3	V	0.5	4.4	3.03	208
180970057	2011	5	13	4	V	0.05	2.5	3.23	216
180970057	2011	5	13	5	V	1.6	3.1	2.74	214
180970057	2011	5	13	6	V	28.8	2.1	2.42	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	13	7	V	18.2	3.4	2.83	210
180970057	2011	5	13	8	V	1.6	4.8	3.37	215
180970057	2011	5	13	9	V	1.9	5.1	2.37	231
180970057	2011	5	13	10	V	2.9	3.5	3.81	214
180970057	2011	5	13	11	V	31.7	16	3.54	200
180970057	2011	5	13	12	V	0.2	21.4	4.88	223
180970057	2011	5	13	13	V	0.8	9.2	3.49	222
180970057	2011	5	13	14	V	0.1	18.6	6.09	224
180970057	2011	5	13	15	V	0.3	3.3	7.76	234
180970057	2011	5	13	16	V	0.1	0.7	5.56	217
180970057	2011	5	13	17	V	35.9	0.7	5.9	196
180970057	2011	5	13	18	V	0.1	2	5.19	223
180970057	2011	5	13	19	V	0.1	0.5	4.53	221
180970057	2011	5	13	20	V	0.3	0	4.12	211
180970057	2011	5	13	21	V	25.1	0	2.45	200
180970057	2011	5	13	22	V	32.7	0.1	2.05	200
180970057	2011	5	13	23	V	5.3	0.3	3.05	202
180970057	2011	5	13	24	V	12.7	0	3.22	186
180970057	2011	5	14	1	V	0.03	0	3.56	169
180970057	2011	5	14	2	V	0.04	0	2.52	164
180970057	2011	5	14	3	V	2.3	0.1	2.15	181
180970057	2011	5	14	4	V	0.04	0	3.69	169
180970057	2011	5	14	5	V	5.4	0	3.42	180
180970057	2011	5	14	6	V	10.6	0	3.44	181
180970057	2011	5	14	7	V	0.3	0	3.08	164
180970057	2011	5	14	8	V	11.8	0.2	3.63	185
180970057	2011	5	14	9	V	15.6	0.8	3.52	199
180970057	2011	5	14	10	V	1.6	3.4	3.9	175
180970057	2011	5	14	11	V	0.6	21.2	3.08	222
180970057	2011	5	14	12	V	5.1	18.7	2.39	213
180970057	2011	5	14	13	V	15.5	17.2	1.98	189
180970057	2011	5	14	14	V	10.6	4.6	1.55	175
180970057	2011	5	14	15	V	0.2	6.2	2.42	152
180970057	2011	5	14	16	V	0.2	5.2	6.53	253
180970057	2011	5	14	17	V	0.2	0	6.4	264
180970057	2011	5	14	18	V	0.4	0	6.04	277
180970057	2011	5	14	19	V	0.6	0	6.16	271
180970057	2011	5	14	20	V	0.8	0	5.43	265
180970057	2011	5	14	21	V	0.9	0	4.31	262
180970057	2011	5	14	22	V	0.9	0	4.37	256
180970057	2011	5	14	23	V	0.9	0	4.37	257
180970057	2011	5	14	24	V	0.7	0	4.44	270
180970057	2011	5	15	1	V	0.7	0	4.7	271
180970057	2011	5	15	2	V	0.8	0	4.56	264
180970057	2011	5	15	3	V	0.2	0	4.25	283
180970057	2011	5	15	4	V	0.1	0	3.52	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	15	5	V	0.3	0	3.54	282
180970057	2011	5	15	6	V	0.4	0	3.34	273
180970057	2011	5	15	7	V	0.5	0	3.2	277
180970057	2011	5	15	8	V	0.1	0	3.17	298
180970057	2011	5	15	9	V	0.06	0	4.48	323
180970057	2011	5	15	10	V	0.07	0	4.34	323
180970057	2011	5	15	11	V	0.08	0	4.05	316
180970057	2011	5	15	12	V	0.07	0	4.43	307
180970057	2011	5	15	13	V	0.08	0	3.9	315
180970057	2011	5	15	14	V	0.06	0	4.87	315
180970057	2011	5	15	15	V	0.06	0	4.02	326
180970057	2011	5	15	16	V	0.05	0	4.51	336
180970057	2011	5	15	17	V	0.03	0	6.55	347
180970057	2011	5	15	18	V	0.02	0	7.69	28
180970057	2011	5	15	19	V	0.02	0	8.28	29
180970057	2011	5	15	20	V	0.09	0	6.77	34
180970057	2011	5	15	21	V	0.2	0	8.05	36
180970057	2011	5	15	22	V	0.2	0	7.23	36
180970057	2011	5	15	23	V	0.03	0	6.69	31
180970057	2011	5	15	24	V	0.02	0	6.23	27
180970057	2011	5	16	1	V	0.02	0	7.47	26
180970057	2011	5	16	2	V	0.02	0	7.5	26
180970057	2011	5	16	3	V	0.02	0	6.98	26
180970057	2011	5	16	4	V	0.02	0	6.02	25
180970057	2011	5	16	5	V	0.08	0	5.21	16
180970057	2011	5	16	6	V	0.2	0	4.02	2
180970057	2011	5	16	7	V	0.2	0	4.68	356
180970057	2011	5	16	8	V	0.1	0	6.01	358
180970057	2011	5	16	9	V	0.1	0	6.43	1
180970057	2011	5	16	10	V	0.1	0	5.96	4
180970057	2011	5	16	11	V	0.1	0	5.6	358
180970057	2011	5	16	12	V	0.2	0	5.89	360
180970057	2011	5	16	13	V	0.1	0	6.09	356
180970057	2011	5	16	14	V	0.1	0	6.23	1
180970057	2011	5	16	15	V	0.1	0	6.11	4
180970057	2011	5	16	16	V	0.1	0	5.94	6
180970057	2011	5	16	17	V	0.07	0	5.78	1
180970057	2011	5	16	18	V	0.04	0	5.56	355
180970057	2011	5	16	19	V	0.03	0	5.33	359
180970057	2011	5	16	20	V	0.03	0	6.23	352
180970057	2011	5	16	21	V	0.02	0	6.74	343
180970057	2011	5	16	22	V	0.02	0	6.01	353
180970057	2011	5	16	23	V	0.04	0	5.02	8
180970057	2011	5	16	24	V	1.5	0	4.29	38
180970057	2011	5	17	1	V	0.1	0	4.88	33
180970057	2011	5	17	2	V	0.05	0	4.02	20

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	17	3	V	0.06	0	3.88	353
180970057	2011	5	17	4	V	0.03	0	5.11	9
180970057	2011	5	17	5	V	0.06	0	5.22	25
180970057	2011	5	17	6	V	0.1	0	5.07	19
180970057	2011	5	17	7	V	0.1	0	4.92	17
180970057	2011	5	17	8	V	0.2	0	4.71	10
180970057	2011	5	17	9	V	0.2	0	4.85	12
180970057	2011	5	17	10	V	0.1	0	5.33	13
180970057	2011	5	17	11	V	0.3	0	5.26	23
180970057	2011	5	17	12	V	0.2	0	4.99	11
180970057	2011	5	17	13	V	0.2	0	4.58	12
180970057	2011	5	17	14	V	0.1	0	5.6	15
180970057	2011	5	17	15	V	0.3	0	5.67	24
180970057	2011	5	17	16	V	0.2	0	4.48	16
180970057	2011	5	17	17	V	0.3	0	3.49	6
180970057	2011	5	17	18	V	0.09	0	2.96	346
180970057	2011	5	17	19	V	3.2	0	1.81	58
180970057	2011	5	17	20	V	6.9	0	1.28	61
180970057	2011	5	17	21	V	2.2	0	2.64	55
180970057	2011	5	17	22	V	7.4	0	2.74	45
180970057	2011	5	17	23	V	0.1	-999	2.1	1
180970057	2011	5	17	24	V	0.08	0	2.35	347
180970057	2011	5	18	1	V	0.06	0	3.25	349
180970057	2011	5	18	2	V	0.06	0	3.1	344
180970057	2011	5	18	3	V	0.07	0	2.55	344
180970057	2011	5	18	4	V	0.07	0	2.62	358
180970057	2011	5	18	5	V	0.2	0	2.59	332
180970057	2011	5	18	6	V	0.3	0	2.93	314
180970057	2011	5	18	7	V	0.3	0	3.63	313
180970057	2011	5	18	8	V	0.3	0	3.9	322
180970057	2011	5	18	9	V	0.5	0	3.52	333
180970057	2011	5	18	10	V	0.7	0	3.18	358
180970057	2011	5	18	11	V	2.5	0	2.79	23
180970057	2011	5	18	12	V	1.5	0	2.3	349
180970057	2011	5	18	13	V	2.1	0	2.01	302
180970057	2011	5	18	14	V	1.1	0	1.74	349
180970057	2011	5	18	15	V	0.6	0	1.91	295
180970057	2011	5	18	16	V	0.5	0	1.79	283
180970057	2011	5	18	17	V	0.05	0	2.22	305
180970057	2011	5	18	18	V	0.3	0	1.65	345
180970057	2011	5	18	19	V	0.2	0	2.01	292
180970057	2011	5	18	20	V	1.3	0	1.94	275
180970057	2011	5	18	21	V	0.5	0	1.52	293
180970057	2011	5	18	22	V	1.4	0	1.6	276
180970057	2011	5	18	23	C	-999	0	0	0
180970057	2011	5	18	24	V	1.4	0	2.86	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	19	1	V	0.06	0	3.86	229
180970057	2011	5	19	2	V	1.1	0	1.76	259
180970057	2011	5	19	3	C	-999	0	0	0
180970057	2011	5	19	4	V	1.0	0	2.86	261
180970057	2011	5	19	5	V	0.5	0	2.86	249
180970057	2011	5	19	6	V	0.9	0	2.36	252
180970057	2011	5	19	7	V	1.8	0	2.36	263
180970057	2011	5	19	8	V	1.5	0	2.36	262
180970057	2011	5	19	9	V	1.2	0	2.86	266
180970057	2011	5	19	10	V	1.9	0	2.36	272
180970057	2011	5	19	11	V	0.3	0	4.86	275
180970057	2011	5	19	12	V	0.6	0	3.86	257
180970057	2011	5	19	13	M	-999	0	2.86	999
180970057	2011	5	19	14	V	0.5	0	3.99	249
180970057	2011	5	19	15	V	0.4	0	3.54	265
180970057	2011	5	19	16	V	0.5	0	3.18	266
180970057	2011	5	19	17	V	0.3	0	3.27	267
180970057	2011	5	19	18	V	0.1	0	2.74	297
180970057	2011	5	19	19	V	0.8	0	2.1	278
180970057	2011	5	19	20	V	1.1	0	2.49	240
180970057	2011	5	19	21	V	0.2	0	2.76	225
180970057	2011	5	19	22	V	0.9	0	1.69	232
180970057	2011	5	19	23	V	1.4	0	1.89	262
180970057	2011	5	19	24	V	0.3	0	1.55	340
180970057	2011	5	20	1	V	0.5	0	2.16	253
180970057	2011	5	20	2	V	0.3	0	2.49	246
180970057	2011	5	20	3	V	0.3	0	2.23	246
180970057	2011	5	20	4	V	0.2	0	3.34	245
180970057	2011	5	20	5	V	0.6	0	2.28	251
180970057	2011	5	20	6	V	1.3	0	2.04	259
180970057	2011	5	20	7	V	23.1	0	0.72	277
180970057	2011	5	20	8	V	16.1	0	1.06	324
180970057	2011	5	20	9	V	3.2	0.2	1.79	338
180970057	2011	5	20	10	V	9.7	0.4	1.14	32
180970057	2011	5	20	11	V	5.7	0.5	1.33	97
180970057	2011	5	20	12	V	4.4	2	1.52	87
180970057	2011	5	20	13	V	8.6	1.2	1.72	217
180970057	2011	5	20	14	V	16.0	1.3	2.27	181
180970057	2011	5	20	15	V	11.5	3.2	1.69	179
180970057	2011	5	20	16	V	0.8	12.7	2.03	140
180970057	2011	5	20	17	V	0.3	4.7	1.96	132
180970057	2011	5	20	18	V	0.2	2.3	2.1	147
180970057	2011	5	20	19	V	0.09	0.4	2.38	170
180970057	2011	5	20	20	V	0.07	0	2.74	167
180970057	2011	5	20	21	V	0.07	0	3.15	161
180970057	2011	5	20	22	V	0.09	0	2.67	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	20	23	V	0.07	0	3.13	159
180970057	2011	5	20	24	V	0.06	0	2.84	130
180970057	2011	5	21	1	V	0.06	0	3.01	102
180970057	2011	5	21	2	V	0.06	0.5	3.29	120
180970057	2011	5	21	3	V	0.04	0	2.98	139
180970057	2011	5	21	4	V	0.04	0	2.91	136
180970057	2011	5	21	5	V	0.3	0	2.66	130
180970057	2011	5	21	6	V	0.4	0	2.93	111
180970057	2011	5	21	7	V	0.4	0	3.22	117
180970057	2011	5	21	8	V	0.6	0	3.51	121
180970057	2011	5	21	9	V	0.3	0.6	4.22	122
180970057	2011	5	21	10	V	0.1	1.2	6.5	134
180970057	2011	5	21	11	V	0.08	0.8	6.92	135
180970057	2011	5	21	12	V	0.1	0.7	5.55	135
180970057	2011	5	21	13	V	0.1	2.6	4.8	145
180970057	2011	5	21	14	V	0.1	1	4.66	143
180970057	2011	5	21	15	V	0.2	0.7	3.59	167
180970057	2011	5	21	16	V	30.8	0.1	2.9	195
180970057	2011	5	21	17	V	13.1	2.7	3.88	202
180970057	2011	5	21	18	V	0.2	5.3	3.24	160
180970057	2011	5	21	19	V	0.09	1	3.61	173
180970057	2011	5	21	20	V	7.9	0.2	3.9	182
180970057	2011	5	21	21	V	68.9	0	3.05	191
180970057	2011	5	21	22	V	0.05	0	3.41	171
180970057	2011	5	21	23	V	0.08	0	3.68	153
180970057	2011	5	21	24	V	0.03	0	5.02	168
180970057	2011	5	22	1	V	0.05	0	3.83	165
180970057	2011	5	22	2	V	0.04	0	3.39	164
180970057	2011	5	22	3	V	3.3	0	3.47	183
180970057	2011	5	22	4	V	1.3	0	3.18	182
180970057	2011	5	22	5	V	1.9	0	3.12	171
180970057	2011	5	22	6	V	2.3	0	2.62	164
180970057	2011	5	22	7	V	5.4	0	2.3	168
180970057	2011	5	22	8	V	9.4	2.3	3.2	175
180970057	2011	5	22	9	V	14.6	5.1	4	205
180970057	2011	5	22	10	V	15.4	7.3	4.22	204
180970057	2011	5	22	11	V	27.2	22.3	5.12	187
180970057	2011	5	22	12	V	14.1	9.3	4.03	182
180970057	2011	5	22	13	V	28.8	4.8	3.34	188
180970057	2011	5	22	14	V	7.8	5.8	1.74	215
180970057	2011	5	22	15	V	0.4	5.9	2.66	163
180970057	2011	5	22	16	V	0.1	2.5	4.8	161
180970057	2011	5	22	17	V	5.6	6.5	5.5	181
180970057	2011	5	22	18	V	16.8	5	7.48	196
180970057	2011	5	22	19	V	0.3	11.4	5.8	178
180970057	2011	5	22	20	V	45.3	10.1	4.49	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	22	21	V	0.09	3.7	3.68	153
180970057	2011	5	22	22	V	0.06	0.9	4.75	154
180970057	2011	5	22	23	V	0.03	0.2	6.3	164
180970057	2011	5	22	24	V	0.03	0.2	6.58	170
180970057	2011	5	23	1	V	0.3	0.3	6.5	209
180970057	2011	5	23	2	V	0.02	0	6.01	153
180970057	2011	5	23	3	V	0.03	0	5.36	163
180970057	2011	5	23	4	V	0.08	0	5.5	174
180970057	2011	5	23	5	V	24.7	2	4.12	189
180970057	2011	5	23	6	V	2.8	1.4	5.27	207
180970057	2011	5	23	7	V	2.6	2.7	5.8	207
180970057	2011	5	23	8	V	1.4	2.2	6.23	210
180970057	2011	5	23	9	V	0.1	5.7	7.76	218
180970057	2011	5	23	10	V	0.1	2.9	8.91	226
180970057	2011	5	23	11	V	0.1	1.7	7.64	221
180970057	2011	5	23	12	V	3.4	3.5	7.6	208
180970057	2011	5	23	13	V	7.3	4.9	8.71	205
180970057	2011	5	23	14	V	0.4	3.3	9.78	213
180970057	2011	5	23	15	V	0.07	1.1	9.87	221
180970057	2011	5	23	16	V	0.07	0.1	8.4	218
180970057	2011	5	23	17	V	0.1	0	10.58	234
180970057	2011	5	23	18	V	0.1	0	12.77	227
180970057	2011	5	23	19	V	0.08	0.9	5.9	176
180970057	2011	5	23	20	V	0.2	1.1	3.88	227
180970057	2011	5	23	21	V	0.5	0.7	5.26	237
180970057	2011	5	23	22	V	0.1	0.1	3.83	215
180970057	2011	5	23	23	V	0.4	0	3.12	230
180970057	2011	5	23	24	V	1.7	0	3.05	206
180970057	2011	5	24	1	V	2.0	0	3.39	205
180970057	2011	5	24	2	V	0.09	0	2.25	218
180970057	2011	5	24	3	V	45.3	0	2.78	194
180970057	2011	5	24	4	V	0.2	0	3.74	212
180970057	2011	5	24	5	V	0.1	0	4.63	229
180970057	2011	5	24	6	V	0.3	0	3.47	228
180970057	2011	5	24	7	V	1.8	0	2.03	248
180970057	2011	5	24	8	V	0.6	0	3.37	230
180970057	2011	5	24	9	V	1.6	0.6	2.79	234
180970057	2011	5	24	10	V	8.7	0.6	3.61	210
180970057	2011	5	24	11	V	21.1	26.3	2.33	205
180970057	2011	5	24	12	V	20.1	128.6	2.59	194
180970057	2011	5	24	13	V	9.5	70.4	2.2	213
180970057	2011	5	24	14	V	5.5	27.9	1.94	224
180970057	2011	5	24	15	V	0.9	11.8	2.72	237
180970057	2011	5	24	16	V	0.7	5.2	3.17	236
180970057	2011	5	24	17	V	0.3	1.1	4.29	237
180970057	2011	5	24	18	V	0.3	0.3	5.02	232

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	24	19	V	0.07	0	4.15	217
180970057	2011	5	24	20	V	0.6	0	3.49	209
180970057	2011	5	24	21	V	67.2	0	3.35	191
180970057	2011	5	24	22	V	3.8	0	2.74	203
180970057	2011	5	24	23	V	82.3	-999	2.35	193
180970057	2011	5	24	24	V	0.08	0	3.35	176
180970057	2011	5	25	1	V	0.5	0	2.93	180
180970057	2011	5	25	2	V	0.05	0	4.15	156
180970057	2011	5	25	3	V	0.06	0	3.39	143
180970057	2011	5	25	4	V	0.04	0	4.46	145
180970057	2011	5	25	5	V	0.2	0	3.63	132
180970057	2011	5	25	6	V	0.2	0	4.14	129
180970057	2011	5	25	7	V	0.1	0	5.02	131
180970057	2011	5	25	8	V	0.09	0	6.38	145
180970057	2011	5	25	9	V	0.09	0	6.94	151
180970057	2011	5	25	10	V	0.1	0	7.03	163
180970057	2011	5	25	11	V	16.0	3.1	7.59	184
180970057	2011	5	25	12	V	29.7	30.4	8.96	194
180970057	2011	5	25	13	V	29.2	35.7	10.15	195
180970057	2011	5	25	14	V	33.7	12.4	9.9	192
180970057	2011	5	25	15	V	26.3	3.4	6.72	187
180970057	2011	5	25	16	V	0.3	6.1	6.57	211
180970057	2011	5	25	17	V	38.1	2.4	5.39	194
180970057	2011	5	25	18	V	0.1	1.2	3.69	110
180970057	2011	5	25	19	V	1.4	0	6.09	46
180970057	2011	5	25	20	V	0.05	0	4.78	100
180970057	2011	5	25	21	V	0.04	0	5.22	98
180970057	2011	5	25	22	V	0.02	0	7.48	148
180970057	2011	5	25	23	V	8.0	0	4.88	202
180970057	2011	5	25	24	V	0.06	0	4.63	135
180970057	2011	5	26	1	V	0.05	0	4.53	151
180970057	2011	5	26	2	V	0.03	0	5.48	170
180970057	2011	5	26	3	V	0.4	0	6.65	178
180970057	2011	5	26	4	V	0.4	2.1	6.4	178
180970057	2011	5	26	5	V	0.5	0.1	5.12	174
180970057	2011	5	26	6	V	4.7	0	3.83	176
180970057	2011	5	26	7	V	0.6	0	3.15	146
180970057	2011	5	26	8	V	0.2	0	4.26	163
180970057	2011	5	26	9	V	14.8	1.7	5.34	183
180970057	2011	5	26	10	V	0.1	3	6.06	170
180970057	2011	5	26	11	V	14.5	0.4	7.94	184
180970057	2011	5	26	12	V	36.5	11.5	6.53	190
180970057	2011	5	26	13	V	0.1	2.6	7.77	225
180970057	2011	5	26	14	V	0.4	0	5.33	213
180970057	2011	5	26	15	V	0.08	1.8	6.77	219
180970057	2011	5	26	16	V	0.06	0.4	6.77	303

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	26	17	V	0.05	0	6.26	322
180970057	2011	5	26	18	V	0.03	0	6.02	318
180970057	2011	5	26	19	V	0.04	0	5.41	309
180970057	2011	5	26	20	V	0.03	0	5.78	304
180970057	2011	5	26	21	V	0.04	0	5.68	300
180970057	2011	5	26	22	V	0.07	0	4.32	300
180970057	2011	5	26	23	V	0.05	0	4.66	300
180970057	2011	5	26	24	V	0.05	0	4.37	312
180970057	2011	5	27	1	V	0.05	0	4.15	304
180970057	2011	5	27	2	V	0.05	0	2.86	297
180970057	2011	5	27	3	V	0.05	0	2.79	297
180970057	2011	5	27	4	V	0.05	0	3.12	304
180970057	2011	5	27	5	V	0.2	0	2.54	338
180970057	2011	5	27	6	V	0.5	0	2.22	347
180970057	2011	5	27	7	V	0.6	0	2.54	313
180970057	2011	5	27	8	V	0.3	0	4.03	313
180970057	2011	5	27	9	V	0.7	0	3.17	350
180970057	2011	5	27	10	V	16.5	-999	2.5	40
180970057	2011	5	27	11	V	4.6	0	1.47	143
180970057	2011	5	27	12	V	66.1	0	1.77	187
180970057	2011	5	27	13	V	62.4	1.3	1.67	200
180970057	2011	5	27	14	V	3.8	13.3	1.84	228
180970057	2011	5	27	15	V	11.9	8.3	2.45	208
180970057	2011	5	27	16	V	57.9	3	2.32	192
180970057	2011	5	27	17	V	0.9	11.3	2.76	176
180970057	2011	5	27	18	V	11.6	4	2.73	183
180970057	2011	5	27	19	V	28.8	4	3.27	198
180970057	2011	5	27	20	V	0.6	0.5	3.32	236
180970057	2011	5	27	21	V	0.07	0.8	3.17	165
180970057	2011	5	27	22	V	0.06	1	2.98	145
180970057	2011	5	27	23	V	0.05	0	2.96	161
180970057	2011	5	27	24	V	10.1	0	3.25	184
180970057	2011	5	28	1	V	38.0	0	3.95	192
180970057	2011	5	28	2	V	6.0	0	4.82	183
180970057	2011	5	28	3	V	3.8	0	5.26	203
180970057	2011	5	28	4	V	19.4	0	4.1	199
180970057	2011	5	28	5	V	6.8	0	2.96	179
180970057	2011	5	28	6	V	3.0	0	2.86	172
180970057	2011	5	28	7	V	0.3	0	3.34	159
180970057	2011	5	28	8	V	4.6	0.1	3.56	174
180970057	2011	5	28	9	V	1.2	4.1	3.1	168
180970057	2011	5	28	10	V	0.4	2.4	3.39	168
180970057	2011	5	28	11	V	14.3	7.9	2.88	182
180970057	2011	5	28	12	V	4.0	11	4.85	176
180970057	2011	5	28	13	V	0.1	3.9	6.02	167
180970057	2011	5	28	14	V	0.3	5.1	5.38	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	28	15	V	0.6	5.2	4.32	174
180970057	2011	5	28	16	V	0.07	0.8	4.54	155
180970057	2011	5	28	17	V	0.05	0	5.55	146
180970057	2011	5	28	18	V	0.05	0	4.77	133
180970057	2011	5	28	19	V	0.03	0	4.97	133
180970057	2011	5	28	20	V	0.05	0	2.84	126
180970057	2011	5	28	21	V	0.05	0	3	129
180970057	2011	5	28	22	V	0.05	0	4.46	129
180970057	2011	5	28	23	V	0.03	0	5.19	140
180970057	2011	5	28	24	V	0.03	0	5.33	147
180970057	2011	5	29	1	V	0.02	0	5.26	149
180970057	2011	5	29	2	V	0.03	0	4.07	147
180970057	2011	5	29	3	V	0.05	0	3.97	167
180970057	2011	5	29	4	V	1.4	0	3.64	180
180970057	2011	5	29	5	V	4.7	0	3.63	178
180970057	2011	5	29	6	V	17.8	0	3.59	183
180970057	2011	5	29	7	V	37.2	0	3.27	188
180970057	2011	5	29	8	V	25.0	14.2	4.19	198
180970057	2011	5	29	9	V	18.7	44.2	6.09	197
180970057	2011	5	29	10	V	30.0	55.1	5.8	192
180970057	2011	5	29	11	V	32.1	43.8	5.92	190
180970057	2011	5	29	12	V	25.1	31.3	7.6	198
180970057	2011	5	29	13	V	23.6	44.6	9.1	198
180970057	2011	5	29	14	V	0.07	10.6	9.32	214
180970057	2011	5	29	15	V	0.07	1.1	9.13	222
180970057	2011	5	29	16	V	0.1	1.4	6.97	228
180970057	2011	5	29	17	V	0.09	1.8	5.72	219
180970057	2011	5	29	18	V	6.1	1.7	5.24	206
180970057	2011	5	29	19	V	2.3	12.1	4.73	181
180970057	2011	5	29	20	V	0.03	2	5.5	173
180970057	2011	5	29	21	V	0.04	1.2	4.24	162
180970057	2011	5	29	22	V	0.04	0.4	4.27	154
180970057	2011	5	29	23	V	0.02	0	4.95	167
180970057	2011	5	29	24	V	0.02	0	5.02	168
180970057	2011	5	30	1	V	0.02	0	5.5	174
180970057	2011	5	30	2	V	1.0	2.8	4.36	180
180970057	2011	5	30	3	V	23.1	16.4	4.22	188
180970057	2011	5	30	4	V	10.8	13.4	4.09	200
180970057	2011	5	30	5	V	28.7	7.1	3.13	189
180970057	2011	5	30	6	V	2.8	1.8	2.16	162
180970057	2011	5	30	7	V	1.4	1.5	2.35	143
180970057	2011	5	30	8	V	1.4	7.1	3.46	164
180970057	2011	5	30	9	V	32.3	45	4.68	191
180970057	2011	5	30	10	V	7.5	14.8	4.82	208
180970057	2011	5	30	11	V	1.7	8.1	5.1	214
180970057	2011	5	30	12	V	0.7	3.9	6.43	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	5	30	13	V	1.8	2.7	7.09	210
180970057	2011	5	30	14	V	0.3	2.4	6.96	215
180970057	2011	5	30	15	V	13.4	3.1	6.11	203
180970057	2011	5	30	16	V	17.1	9.2	6.89	201
180970057	2011	5	30	17	V	5.9	11	6.07	205
180970057	2011	5	30	18	V	26.2	13.1	5.72	197
180970057	2011	5	30	19	V	0.06	4.1	5.58	175
180970057	2011	5	30	20	V	0.04	5.1	4.83	173
180970057	2011	5	30	21	V	0.06	0.7	3.91	162
180970057	2011	5	30	22	V	0.05	0	4.29	165
180970057	2011	5	30	23	V	0.05	0	4.53	174
180970057	2011	5	30	24	V	0.05	0	4.51	174
180970057	2011	5	31	1	V	0.04	0	3.9	170
180970057	2011	5	31	2	V	0.06	0	3.64	176
180970057	2011	5	31	3	V	0.03	0	3.32	172
180970057	2011	5	31	4	V	0.07	0	2.79	177
180970057	2011	5	31	5	V	0.3	0	2.98	162
180970057	2011	5	31	6	V	1.8	0	3.23	167
180970057	2011	5	31	7	V	14.2	0	3.73	177
180970057	2011	5	31	8	V	6.4	2.4	4.07	210
180970057	2011	5	31	9	V	0.2	5.4	5.29	223
180970057	2011	5	31	10	V	0.4	3.1	6.97	237
180970057	2011	5	31	11	V	0.4	1.5	7.69	241
180970057	2011	5	31	12	V	0.3	0.5	7.98	235
180970057	2011	5	31	13	V	0.2	0	7.13	228
180970057	2011	5	31	14	V	0.4	0	6.89	217
180970057	2011	5	31	15	V	1.8	0	7.71	209
180970057	2011	5	31	16	V	0.4	0.1	7.5	212
180970057	2011	5	31	17	V	0.08	0	7.23	217
180970057	2011	5	31	18	V	0.2	0	5.99	210
180970057	2011	5	31	19	V	0.5	0	5	210
180970057	2011	5	31	20	V	0.1	0.8	4.54	214
180970057	2011	5	31	21	V	0.1	0.2	3.91	218
180970057	2011	5	31	22	V	0.4	0	3.27	234
180970057	2011	5	31	23	V	0.07	-999	3.47	215
180970057	2011	5	31	24	V	0.3	0	4.27	230
180970057	2011	6	1	1	V	0.1	0	3.42	236
180970057	2011	6	1	2	V	0.08	0	3.06	236
180970057	2011	6	1	3	V	0.2	0	2.76	240
180970057	2011	6	1	4	V	0.1	0	3.75	286
180970057	2011	6	1	5	V	0.1	0	4.1	317
180970057	2011	6	1	6	V	0.4	0	3.05	315
180970057	2011	6	1	7	V	0.5	0	3.78	322
180970057	2011	6	1	8	V	0.2	0	4.56	348
180970057	2011	6	1	9	V	0.3	0	4.1	355
180970057	2011	6	1	10	V	0.4	0	3.78	355

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	1	11	V	0.7	0	2.72	309
180970057	2011	6	1	12	V	0.9	0	2.83	287
180970057	2011	6	1	13	V	0.4	0	4.25	273
180970057	2011	6	1	14	V	0.3	0	4.7	283
180970057	2011	6	1	15	V	0.2	0	5.79	280
180970057	2011	6	1	16	V	0.1	0	6.55	294
180970057	2011	6	1	17	V	0.1	0	5.39	298
180970057	2011	6	1	18	V	0.09	0	5.1	310
180970057	2011	6	1	19	V	0.05	0	3.81	312
180970057	2011	6	1	20	V	0.1	0	2.35	285
180970057	2011	6	1	21	V	0.5	0	2.35	232
180970057	2011	6	1	22	V	0.9	0	1.74	268
180970057	2011	6	1	23	V	0.3	0	1.77	283
180970057	2011	6	1	24	V	0.3	0	1.64	299
180970057	2011	6	2	1	V	0.07	0	2.35	330
180970057	2011	6	2	2	V	3.1	0	1.35	30
180970057	2011	6	2	3	V	5.9	0	1.38	61
180970057	2011	6	2	4	V	4.9	0	0.74	338
180970057	2011	6	2	5	V	1.2	0	1.42	312
180970057	2011	6	2	6	V	8.0	0.5	0.92	327
180970057	2011	6	2	7	V	8.0	0.5	1.74	23
180970057	2011	6	2	8	V	7.5	0.9	2.47	63
180970057	2011	6	2	9	V	0.7	0.4	3.07	93
180970057	2011	6	2	10	V	0.5	0.6	2.66	104
180970057	2011	6	2	11	V	0.5	0.3	2.59	101
180970057	2011	6	2	12	V	0.5	3.2	2.42	97
180970057	2011	6	2	13	V	0.5	0.2	2.4	113
180970057	2011	6	2	14	V	0.2	0.2	3.95	110
180970057	2011	6	2	15	V	0.2	0	3.18	135
180970057	2011	6	2	16	V	0.2	0	2.98	155
180970057	2011	6	2	17	V	0.1	0	3.27	138
180970057	2011	6	2	18	V	0.02	0	2.35	106
180970057	2011	6	2	19	V	0.05	0	2.74	121
180970057	2011	6	2	20	V	34.5	0.3	1.84	199
180970057	2011	6	2	21	V	0.3	0	1.55	140
180970057	2011	6	2	22	V	0.05	0	2.84	126
180970057	2011	6	2	23	V	0.06	0.1	2.42	117
180970057	2011	6	2	24	V	0.05	4	2.71	111
180970057	2011	6	3	1	V	0.08	4	2.3	112
180970057	2011	6	3	2	V	0.07	2.9	2.36	107
180970057	2011	6	3	3	V	0.06	5.3	3.32	109
180970057	2011	6	3	4	V	0.06	4.1	2.79	114
180970057	2011	6	3	5	V	0.2	1.2	2.84	111
180970057	2011	6	3	6	V	0.3	2.3	3.2	116
180970057	2011	6	3	7	V	0.6	1.5	3.2	123
180970057	2011	6	3	8	V	0.8	2.3	2.52	132

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	3	9	V	0.2	2.2	4.53	125
180970057	2011	6	3	10	V	0.3	3.4	3.74	124
180970057	2011	6	3	11	V	0.3	2.6	4.09	122
180970057	2011	6	3	12	V	0.2	2.7	4.58	131
180970057	2011	6	3	13	V	0.2	3.7	5.43	132
180970057	2011	6	3	14	V	0.2	3.5	5.44	141
180970057	2011	6	3	15	V	0.2	1.4	5.33	139
180970057	2011	6	3	16	V	0.2	0.5	4.88	150
180970057	2011	6	3	17	V	0.1	0	5.05	161
180970057	2011	6	3	18	V	0.2	0	4.34	149
180970057	2011	6	3	19	V	0.06	0.2	4	152
180970057	2011	6	3	20	V	0.07	2.2	3.86	161
180970057	2011	6	3	21	V	0.06	3.8	3.63	166
180970057	2011	6	3	22	V	0.05	5.4	3.37	143
180970057	2011	6	3	23	V	0.05	8.1	3.68	146
180970057	2011	6	3	24	V	0.05	4.9	2.83	155
180970057	2011	6	4	1	V	0.2	2.2	1.74	137
180970057	2011	6	4	2	V	0.1	1	1.89	142
180970057	2011	6	4	3	V	0.1	0.5	1.99	114
180970057	2011	6	4	4	V	0.08	0.2	2.32	141
180970057	2011	6	4	5	V	0.5	0	2.18	145
180970057	2011	6	4	6	V	7.2	0	1.89	165
180970057	2011	6	4	7	V	27.6	1.6	1.98	177
180970057	2011	6	4	8	V	22.5	4.5	3.01	206
180970057	2011	6	4	9	V	0.5	7.7	4.1	221
180970057	2011	6	4	10	V	0.5	5	5.14	236
180970057	2011	6	4	11	V	0.6	1.7	4.78	240
180970057	2011	6	4	12	V	0.4	0.7	5.34	262
180970057	2011	6	4	13	V	0.4	0.5	5.43	262
180970057	2011	6	4	14	V	0.4	0	5.27	262
180970057	2011	6	4	15	V	0.4	0	5.73	250
180970057	2011	6	4	16	V	0.3	0	6.06	261
180970057	2011	6	4	17	V	0.3	0	7.13	242
180970057	2011	6	4	18	V	0.1	0	7.23	233
180970057	2011	6	4	19	V	0.4	0	6.5	236
180970057	2011	6	4	20	V	0.07	0	10.44	4
180970057	2011	6	4	21	V	0.3	0	6.62	37
180970057	2011	6	4	22	V	0.07	0	4.32	152
180970057	2011	6	4	23	V	0.8	0	5.63	247
180970057	2011	6	4	24	V	0.1	0	4.94	224
180970057	2011	6	5	1	V	0.09	0	3.95	217
180970057	2011	6	5	2	V	0.5	0	4.03	251
180970057	2011	6	5	3	V	0.05	0	3.9	288
180970057	2011	6	5	4	V	0.05	0	2.47	343
180970057	2011	6	5	5	V	0.6	0	2.2	6
180970057	2011	6	5	6	V	3.3	0	1.28	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	5	7	V	20.8	0	0.72	283
180970057	2011	6	5	8	V	16.5	0	0.89	21
180970057	2011	6	5	9	V	21.2	0	0.84	42
180970057	2011	6	5	10	V	17.6	1.6	1.42	54
180970057	2011	6	5	11	V	0.8	2.9	2.18	355
180970057	2011	6	5	12	V	0.2	0	3.8	294
180970057	2011	6	5	13	V	0.1	0	6.33	280
180970057	2011	6	5	14	V	0.09	0	6.31	287
180970057	2011	6	5	15	V	0.4	0	2.55	290
180970057	2011	6	5	16	V	0.2	0	3.12	21
180970057	2011	6	5	17	V	0.4	0	2.47	25
180970057	2011	6	5	18	V	6.0	0	2.96	34
180970057	2011	6	5	19	V	0.1	1.1	2.69	35
180970057	2011	6	5	20	V	1.8	0.6	2.55	39
180970057	2011	6	5	21	V	21.6	0	1.37	53
180970057	2011	6	5	22	V	0.3	0	1.71	293
180970057	2011	6	5	23	V	0.9	0	1.3	223
180970057	2011	6	5	24	V	1.6	0	1.33	264
180970057	2011	6	6	1	V	0.6	0	1.65	247
180970057	2011	6	6	2	V	3.1	0	0.87	281
180970057	2011	6	6	3	V	3.1	0	0.94	260
180970057	2011	6	6	4	C	-999	0	0	0
180970057	2011	6	6	5	V	21.9	0	0.58	215
180970057	2011	6	6	6	V	23.9	0	0.6	52
180970057	2011	6	6	7	V	6.7	0	1.35	97
180970057	2011	6	6	8	V	8.9	1.2	1.31	120
180970057	2011	6	6	9	V	2.4	5.1	1.69	126
180970057	2011	6	6	10	V	1.1	7.2	2.45	136
180970057	2011	6	6	11	V	1.5	5	2.9	163
180970057	2011	6	6	12	V	14.9	1.7	3.03	180
180970057	2011	6	6	13	V	26.5	14.3	2.95	196
180970057	2011	6	6	14	V	9.5	6.2	3.47	207
180970057	2011	6	6	15	V	15.5	6.4	3.83	203
180970057	2011	6	6	16	V	8.6	8.1	3.71	208
180970057	2011	6	6	17	V	10.0	6.9	4.7	205
180970057	2011	6	6	18	V	0.6	5.3	4.7	209
180970057	2011	6	6	19	V	0.4	6.4	4.37	209
180970057	2011	6	6	20	V	8.7	3.7	3.56	202
180970057	2011	6	6	21	V	0.06	1	3.61	170
180970057	2011	6	6	22	V	0.06	0.1	3.85	165
180970057	2011	6	6	23	V	0.04	0	4.44	168
180970057	2011	6	6	24	V	14.6	0.5	4.32	185
180970057	2011	6	7	1	V	52.2	1.4	3.23	192
180970057	2011	6	7	2	V	10.2	1.9	3.17	200
180970057	2011	6	7	3	V	0.3	0.2	3.39	209
180970057	2011	6	7	4	V	0.2	0	3.51	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	7	5	V	2.1	0.9	3.56	212
180970057	2011	6	7	6	V	5.3	1.8	3.08	213
180970057	2011	6	7	7	V	0.5	3.2	3.71	225
180970057	2011	6	7	8	V	0.3	3.8	4.63	234
180970057	2011	6	7	9	V	0.6	2.6	4.75	244
180970057	2011	6	7	10	V	0.5	1.4	5.24	247
180970057	2011	6	7	11	V	0.5	0.6	4.53	233
180970057	2011	6	7	12	V	0.5	0	4.95	242
180970057	2011	6	7	13	V	0.4	0	5.04	233
180970057	2011	6	7	14	V	0.3	0	5.65	230
180970057	2011	6	7	15	V	2.8	0	5.09	213
180970057	2011	6	7	16	V	5.3	0	5.11	209
180970057	2011	6	7	17	V	0.2	0	5.51	218
180970057	2011	6	7	18	V	0.9	0.1	5.21	210
180970057	2011	6	7	19	V	2.6	0	4.88	204
180970057	2011	6	7	20	V	0.06	10.8	4.29	173
180970057	2011	6	7	21	V	0.1	10.1	4.44	176
180970057	2011	6	7	22	V	9.1	3.8	4.39	184
180970057	2011	6	7	23	V	14.5	-999	4.03	201
180970057	2011	6	7	24	V	0.09	1.8	3.88	215
180970057	2011	6	8	1	V	2.5	1.1	3.39	204
180970057	2011	6	8	2	V	0.2	0.6	3.76	210
180970057	2011	6	8	3	V	6.9	0.2	3.08	185
180970057	2011	6	8	4	V	5.1	0	2.69	202
180970057	2011	6	8	5	V	0.3	0	2.76	147
180970057	2011	6	8	6	V	0.6	0	2.79	156
180970057	2011	6	8	7	V	13.7	0	2.74	174
180970057	2011	6	8	8	V	7.3	8.2	3.4	173
180970057	2011	6	8	9	V	43.2	22.5	4.1	195
180970057	2011	6	8	10	V	8.7	8.3	5.21	207
180970057	2011	6	8	11	V	2.5	6.1	5.46	214
180970057	2011	6	8	12	V	0.4	1.5	6.92	218
180970057	2011	6	8	13	V	1.0	0.3	6.7	215
180970057	2011	6	8	14	V	0.9	0	6.45	213
180970057	2011	6	8	15	V	10.3	0.1	6.45	204
180970057	2011	6	8	16	V	8.8	0.7	6.45	205
180970057	2011	6	8	17	V	7.0	1.4	6.72	205
180970057	2011	6	8	18	V	17.6	1.9	6.38	200
180970057	2011	6	8	19	V	3.3	9.6	5.77	182
180970057	2011	6	8	20	V	0.9	20.6	5.34	178
180970057	2011	6	8	21	V	1.2	16.3	5.02	180
180970057	2011	6	8	22	V	3.2	14.9	5.56	183
180970057	2011	6	8	23	V	15.7	18	4.75	199
180970057	2011	6	8	24	V	10.6	4.7	4.07	202
180970057	2011	6	9	1	V	0.05	2.8	3.01	224
180970057	2011	6	9	2	V	0.05	4.8	2.95	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	9	3	V	0.07	5.7	2.4	216
180970057	2011	6	9	4	V	0.02	4.3	7.96	17
180970057	2011	6	9	5	V	14.6	1.8	4.36	50
180970057	2011	6	9	6	V	0.1	1.7	5.36	77
180970057	2011	6	9	7	V	0.5	0.4	3.36	105
180970057	2011	6	9	8	V	0.2	0.1	4.36	81
180970057	2011	6	9	9	V	1.3	1	2.4	112
180970057	2011	6	9	10	V	0.2	0.6	3.93	106
180970057	2011	6	9	11	V	0.1	0.2	4.53	92
180970057	2011	6	9	12	V	0.1	0	4.71	80
180970057	2011	6	9	13	V	0.2	0.2	4.2	96
180970057	2011	6	9	14	V	0.2	1.7	4.71	71
180970057	2011	6	9	15	V	0.2	0.1	4.51	113
180970057	2011	6	9	16	V	0.5	0	2.89	150
180970057	2011	6	9	17	V	0.8	3	5.02	212
180970057	2011	6	9	18	V	4.1	0.8	4.24	205
180970057	2011	6	9	19	V	0.5	1	3.03	209
180970057	2011	6	9	20	V	0.3	2.8	1.84	223
180970057	2011	6	9	21	V	40.1	2.1	0.74	176
180970057	2011	6	9	22	V	0.06	1.9	4	69
180970057	2011	6	9	23	V	2.9	1.1	4.56	48
180970057	2011	6	9	24	V	0.4	0.9	3.85	57
180970057	2011	6	10	1	V	0.5	0	3.4	56
180970057	2011	6	10	2	V	0.04	0	3.88	73
180970057	2011	6	10	3	V	0.04	0	3.49	78
180970057	2011	6	10	4	V	0.05	0	2.54	90
180970057	2011	6	10	5	V	0.6	0	2.11	121
180970057	2011	6	10	6	V	0.9	0	2.18	150
180970057	2011	6	10	7	V	12.1	0	2.73	175
180970057	2011	6	10	8	V	1.2	1	2.96	225
180970057	2011	6	10	9	V	14.1	2	3.9	43
180970057	2011	6	10	10	V	0.4	2.2	4.68	77
180970057	2011	6	10	11	V	0.1	2.5	5.36	108
180970057	2011	6	10	12	V	0.3	1.8	3.86	150
180970057	2011	6	10	13	V	10.9	3.2	8.46	202
180970057	2011	6	10	14	V	0.1	1	5.96	217
180970057	2011	6	10	15	V	0.5	0.4	6.96	241
180970057	2011	6	10	16	V	0.3	1.5	7.96	249
180970057	2011	6	10	17	V	0.2	0.3	8.46	251
180970057	2011	6	10	18	V	0.2	0	10.06	239
180970057	2011	6	10	19	V	0.7	0	5.36	246
180970057	2011	6	10	20	V	1.0	0	3.86	255
180970057	2011	6	10	21	V	0.08	0	4.36	217
180970057	2011	6	10	22	V	0.9	0	3.36	240
180970057	2011	6	10	23	V	0.6	0	1.76	232
180970057	2011	6	10	24	V	0.6	4.3	1.76	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	11	1	V	0.02	1.6	5.96	344
180970057	2011	6	11	2	V	0.05	0	3.36	102
180970057	2011	6	11	3	V	0.03	0	4.86	151
180970057	2011	6	11	4	V	0.1	0	6.46	236
180970057	2011	6	11	5	V	0.07	0	5.96	107
180970057	2011	6	11	6	M	-999	0	2.36	999
180970057	2011	6	11	7	V	9.8	0	1.76	216
180970057	2011	6	11	8	V	0.6	0	3.36	251
180970057	2011	6	11	9	V	7.5	0	2.36	216
180970057	2011	6	11	10	V	0.8	2.1	3.86	238
180970057	2011	6	11	11	V	31.2	2.8	5.36	196
180970057	2011	6	11	12	V	0.7	7.8	4.36	243
180970057	2011	6	11	13	V	0.2	2.3	6.46	229
180970057	2011	6	11	14	V	0.7	0.4	3.36	222
180970057	2011	6	11	15	V	0.2	0	3.86	288
180970057	2011	6	11	16	V	0.3	0	4.36	270
180970057	2011	6	11	17	V	0.2	0	4.36	272
180970057	2011	6	11	18	V	0.2	0	4.36	332
180970057	2011	6	11	19	V	0.05	0	4.86	331
180970057	2011	6	11	20	V	0.07	0	3.36	329
180970057	2011	6	11	21	V	0.08	0	2.86	328
180970057	2011	6	11	22	V	0.07	0	4.36	350
180970057	2011	6	11	23	V	0.06	0	4.36	345
180970057	2011	6	11	24	V	0.04	0	4.86	350
180970057	2011	6	12	1	V	0.02	0	5.36	352
180970057	2011	6	12	2	V	0.02	0	4.86	348
180970057	2011	6	12	3	V	0.02	0	5.36	8
180970057	2011	6	12	4	V	0.02	0	5.96	6
180970057	2011	6	12	5	V	0.09	0	3.86	12
180970057	2011	6	12	6	V	0.1	0	4.36	14
180970057	2011	6	12	7	V	0.1	0	4.36	358
180970057	2011	6	12	8	V	0.07	0	6.46	360
180970057	2011	6	12	9	V	0.06	0	7.46	10
180970057	2011	6	12	10	V	0.8	0	5.36	24
180970057	2011	6	12	11	V	0.1	0	5.96	351
180970057	2011	6	12	12	V	0.1	0	6.46	350
180970057	2011	6	12	13	V	0.09	0	6.96	343
180970057	2011	6	12	14	M	-999	0	1.76	999
180970057	2011	6	12	15	M	-999	0	3.36	999
180970057	2011	6	12	16	V	0.09	0	5.96	342
180970057	2011	6	12	17	V	0.1	0	4.36	339
180970057	2011	6	12	18	V	0.06	0	4.36	354
180970057	2011	6	12	19	V	0.01	0	5.08	340
180970057	2011	6	12	20	V	0.02	0	4.88	348
180970057	2011	6	12	21	V	0.02	0	5.04	358
180970057	2011	6	12	22	V	0.02	0	5.22	6

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	12	23	V	0.03	0	4.32	354
180970057	2011	6	12	24	V	0.03	0	4.12	354
180970057	2011	6	13	1	V	0.04	0	4.12	360
180970057	2011	6	13	2	V	0.04	0	3.39	8
180970057	2011	6	13	3	V	4.9	0	3.93	41
180970057	2011	6	13	4	V	0.2	0	3.35	32
180970057	2011	6	13	5	V	4.8	0	3.59	60
180970057	2011	6	13	6	V	0.2	0	3.35	89
180970057	2011	6	13	7	V	0.3	0	2.98	80
180970057	2011	6	13	8	V	11.6	0	4.36	40
180970057	2011	6	13	9	V	0.3	0.9	3.86	72
180970057	2011	6	13	10	V	4.1	0.3	3.36	66
180970057	2011	6	13	11	V	11.4	0.3	3.01	40
180970057	2011	6	13	12	V	11.8	0.2	3.08	45
180970057	2011	6	13	13	V	11.3	0	3.9	41
180970057	2011	6	13	14	V	9.7	0	3.18	39
180970057	2011	6	13	15	V	9.4	0	3.29	38
180970057	2011	6	13	16	V	0.5	0	3.61	19
180970057	2011	6	13	17	V	0.2	0	2.61	327
180970057	2011	6	13	18	V	0.02	0	1.95	3
180970057	2011	6	13	19	V	0.04	0	3.86	26
180970057	2011	6	13	20	V	0.04	0	3.86	26
180970057	2011	6	13	21	V	7.0	0	2.86	48
180970057	2011	6	13	22	V	0.03	0	3.86	77
180970057	2011	6	13	23	V	5.7	0	2.81	44
180970057	2011	6	13	24	V	9.4	0	2.4	47
180970057	2011	6	14	1	V	0.04	0	2.35	81
180970057	2011	6	14	2	V	0.6	0	1.18	3
180970057	2011	6	14	3	V	2.4	0	1.38	30
180970057	2011	6	14	4	V	0.3	0	1.62	26
180970057	2011	6	14	5	V	0.9	0	1.62	359
180970057	2011	6	14	6	V	0.8	0	3.05	23
180970057	2011	6	14	7	V	16.2	0	3	41
180970057	2011	6	14	8	V	19.0	0	1.99	43
180970057	2011	6	14	9	V	0.3	0	3.36	85
180970057	2011	6	14	10	V	1.7	0	1.76	120
180970057	2011	6	14	11	C	-999	0	0	0
180970057	2011	6	14	12	M	-999	0	1.76	999
180970057	2011	6	14	13	V	11.4	0	2.36	179
180970057	2011	6	14	14	V	0.3	0	2.86	106
180970057	2011	6	14	15	V	5.6	0	3.36	210
180970057	2011	6	14	16	C	-999	0.3	0	0
180970057	2011	6	14	17	V	0.1	5.1	4.36	118
180970057	2011	6	14	18	V	0.04	0	2.86	114
180970057	2011	6	14	19	V	0.05	2.3	4.86	26
180970057	2011	6	14	20	V	0.06	0	2.36	159

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	14	21	V	0.07	0	3.36	126
180970057	2011	6	14	22	V	0.05	0.9	2.86	127
180970057	2011	6	14	23	V	0.06	-999	2.36	108
180970057	2011	6	14	24	V	0.04	0.9	3.86	99
180970057	2011	6	15	1	V	0.02	0	5.36	92
180970057	2011	6	15	2	V	0.02	0	5.36	101
180970057	2011	6	15	3	V	0.03	1.3	4.86	110
180970057	2011	6	15	4	V	0.02	1.6	5.96	124
180970057	2011	6	15	5	V	0.07	0.8	6.46	125
180970057	2011	6	15	6	V	0.06	1.1	7.96	132
180970057	2011	6	15	7	V	0.09	1.3	5.36	127
180970057	2011	6	15	8	V	0.4	0.5	3.86	252
180970057	2011	6	15	9	V	0.9	0	2.36	98
180970057	2011	6	15	10	V	0.06	0	7.96	94
180970057	2011	6	15	11	V	0.06	0	8.46	98
180970057	2011	6	15	12	V	0.09	0	6.96	143
180970057	2011	6	15	13	V	0.1	0	5.96	127
180970057	2011	6	15	14	V	0.07	0	9.06	147
180970057	2011	6	15	15	V	0.9	0.5	5.36	175
180970057	2011	6	15	16	V	0.1	0	5.96	164
180970057	2011	6	15	17	V	0.08	0	5.96	169
180970057	2011	6	15	18	V	35.3	15.1	4.92	190
180970057	2011	6	15	19	V	0.1	9.9	3.59	168
180970057	2011	6	15	20	V	0.09	1.6	2.2	147
180970057	2011	6	15	21	V	0.08	0	3.49	162
180970057	2011	6	15	22	V	6.2	0	3.15	183
180970057	2011	6	15	23	V	0.06	3.8	2.86	220
180970057	2011	6	15	24	V	0.07	0.2	2.86	221
180970057	2011	6	16	1	V	0.06	0	2.81	234
180970057	2011	6	16	2	V	0.2	0	3.2	240
180970057	2011	6	16	3	V	0.04	0	3.1	232
180970057	2011	6	16	4	V	0.04	0	3.61	225
180970057	2011	6	16	5	V	0.3	0	3.07	224
180970057	2011	6	16	6	V	0.7	0	2.81	226
180970057	2011	6	16	7	V	0.5	0	3.86	249
180970057	2011	6	16	8	V	0.3	0	4.86	247
180970057	2011	6	16	9	V	0.3	0	6.46	265
180970057	2011	6	16	10	V	0.4	0	4.86	259
180970057	2011	6	16	11	V	0.4	0.3	9.56	246
180970057	2011	6	16	12	V	0.3	0.6	8.46	254
180970057	2011	6	16	13	V	0.1	2	8.96	280
180970057	2011	6	16	14	V	0.2	0	8.46	259
180970057	2011	6	16	15	V	0.2	0	7.96	260
180970057	2011	6	16	16	V	0.1	0	7.96	273
180970057	2011	6	16	17	V	0.2	0	7.96	262
180970057	2011	6	16	18	V	0.05	0	8.46	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	16	19	V	0.2	0	5.36	284
180970057	2011	6	16	20	V	0.4	0	2.86	281
180970057	2011	6	16	21	C	-999	0	0	0
180970057	2011	6	16	22	V	0.8	0	2.36	207
180970057	2011	6	16	23	V	0.09	0	3.36	217
180970057	2011	6	16	24	V	0.09	0	3.36	220
180970057	2011	6	17	1	V	0.3	0	2.86	246
180970057	2011	6	17	2	V	0.04	0	2.86	229
180970057	2011	6	17	3	C	-999	0	0	0
180970057	2011	6	17	4	V	0.05	0	4.36	218
180970057	2011	6	17	5	V	0.2	0	4.36	239
180970057	2011	6	17	6	V	2.3	0.1	1.76	232
180970057	2011	6	17	7	V	1.1	0.7	2.86	227
180970057	2011	6	17	8	V	0.5	1.8	3.86	253
180970057	2011	6	17	9	V	0.4	1.8	5.36	218
180970057	2011	6	17	10	V	16.4	1.4	2.86	204
180970057	2011	6	17	11	V	22.9	5.8	3.88	192
180970057	2011	6	17	12	V	10.2	11.1	5	206
180970057	2011	6	17	13	V	7.0	4.9	5.24	208
180970057	2011	6	17	14	V	0.4	10.4	4.94	218
180970057	2011	6	17	15	V	0.2	5.3	6.14	230
180970057	2011	6	17	16	V	0.2	1.3	5.89	217
180970057	2011	6	17	17	V	0.1	0.4	6.09	215
180970057	2011	6	17	18	V	0.06	0.3	6.38	216
180970057	2011	6	17	19	V	22.4	0	3.61	201
180970057	2011	6	17	20	V	0.2	0	1.65	126
180970057	2011	6	17	21	V	4.1	0	2.42	205
180970057	2011	6	17	22	V	0.1	0.4	3.98	216
180970057	2011	6	17	23	V	0.1	0.6	3.83	220
180970057	2011	6	17	24	V	0.5	0	5.96	239
180970057	2011	6	18	1	V	0.2	0	5.96	240
180970057	2011	6	18	2	V	53.6	0	1.76	192
180970057	2011	6	18	3	V	0.1	0	1.76	144
180970057	2011	6	18	4	V	0.07	0	3.36	165
180970057	2011	6	18	5	V	6.0	0	1.76	31
180970057	2011	6	18	6	C	-999	0	0	0
180970057	2011	6	18	7	C	-999	0.1	0	0
180970057	2011	6	18	8	V	0.3	0	3.36	141
180970057	2011	6	18	9	V	0.08	0	4.86	114
180970057	2011	6	18	10	V	0.9	0	1.76	142
180970057	2011	6	18	11	V	19.6	0.1	4.36	201
180970057	2011	6	18	12	V	3.1	0.1	4.36	208
180970057	2011	6	18	13	V	0.1	2.7	4.36	133
180970057	2011	6	18	14	V	0.08	1.7	5.96	92
180970057	2011	6	18	15	V	34.5	0.5	6.46	192
180970057	2011	6	18	16	V	0.4	0.5	6.46	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	18	17	V	25.1	0	12.06	196
180970057	2011	6	18	18	C	-999	0	0	0
180970057	2011	6	18	19	V	0.08	0	2.36	131
180970057	2011	6	18	20	V	1.1	0	3.36	250
180970057	2011	6	18	21	V	0.1	0	1.76	338
180970057	2011	6	18	22	V	0.1	0	2.36	210
180970057	2011	6	18	23	V	26.8	0	3.36	197
180970057	2011	6	18	24	V	0.09	0	2.36	220
180970057	2011	6	19	1	V	18.7	0	1.76	202
180970057	2011	6	19	2	V	0.05	0	2.86	225
180970057	2011	6	19	3	C	-999	0	0	0
180970057	2011	6	19	4	V	0.06	0	2.36	108
180970057	2011	6	19	5	V	1.0	0.2	1.76	84
180970057	2011	6	19	6	V	4.1	0	1.76	76
180970057	2011	6	19	7	V	0.2	0	3.86	133
180970057	2011	6	19	8	V	0.2	0	3.86	116
180970057	2011	6	19	9	V	0.1	0	3.86	133
180970057	2011	6	19	10	V	0.3	0	3.86	134
180970057	2011	6	19	11	V	1.9	0	3.36	212
180970057	2011	6	19	12	V	1.3	0	2.86	216
180970057	2011	6	19	13	C	-999	0	0	0
180970057	2011	6	19	14	V	2.7	0	1.76	72
180970057	2011	6	19	15	V	0.4	0	2.36	16
180970057	2011	6	19	16	C	-999	0.5	0	0
180970057	2011	6	19	17	V	0.5	5.1	1.76	265
180970057	2011	6	19	18	V	1.8	4.1	4.36	211
180970057	2011	6	19	19	V	4.7	4.9	4.36	204
180970057	2011	6	19	20	V	1.0	1.3	3.36	178
180970057	2011	6	19	21	V	33.3	1	1.76	186
180970057	2011	6	19	22	V	0.1	0	2.86	176
180970057	2011	6	19	23	V	0.05	0	2.81	162
180970057	2011	6	19	24	V	0.06	0	2.39	146
180970057	2011	6	20	1	V	0.07	0	2.42	116
180970057	2011	6	20	2	V	0.03	0	3.12	125
180970057	2011	6	20	3	V	0.06	0	3.34	139
180970057	2011	6	20	4	V	0.05	0	4.32	156
180970057	2011	6	20	5	V	0.1	0.3	4.32	117
180970057	2011	6	20	6	V	0.09	0	5.31	125
180970057	2011	6	20	7	V	0.08	0	6.62	97
180970057	2011	6	20	8	V	0.1	0	4.63	131
180970057	2011	6	20	9	V	0.09	0	6.79	76
180970057	2011	6	20	10	V	0.08	0	6.87	77
180970057	2011	6	20	11	V	0.6	0	3.03	129
180970057	2011	6	20	12	V	0.2	0	4.54	127
180970057	2011	6	20	13	V	0.1	0	5.8	134
180970057	2011	6	20	14	V	0.09	0	5.55	114

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	20	15	V	0.07	0	6.14	97
180970057	2011	6	20	16	V	0.06	0	8.2	126
180970057	2011	6	20	17	V	0.06	0	7.43	139
180970057	2011	6	20	18	V	0.09	0	5.17	131
180970057	2011	6	20	19	V	0.03	0	6.84	155
180970057	2011	6	20	20	V	0.03	0	5.77	160
180970057	2011	6	20	21	V	0.08	0	3.13	148
180970057	2011	6	20	22	V	0.1	0	2.05	109
180970057	2011	6	20	23	V	0.08	0	2.98	113
180970057	2011	6	20	24	V	0.06	0	3.66	122
180970057	2011	6	21	1	V	0.05	0	3.52	118
180970057	2011	6	21	2	V	0.06	0	3.78	129
180970057	2011	6	21	3	V	0.05	0	4.29	141
180970057	2011	6	21	4	V	0.05	0	4.14	142
180970057	2011	6	21	5	V	0.1	0	4.31	133
180970057	2011	6	21	6	V	0.2	0	4.07	138
180970057	2011	6	21	7	V	0.3	0	4.25	145
180970057	2011	6	21	8	V	2.9	0	4.71	175
180970057	2011	6	21	9	V	7.4	15.9	6.41	206
180970057	2011	6	21	10	V	0.2	4.1	7.81	220
180970057	2011	6	21	11	V	0.6	1	7.11	214
180970057	2011	6	21	12	V	17.8	5.1	6.18	201
180970057	2011	6	21	13	V	13.7	11.1	6.48	182
180970057	2011	6	21	14	V	7.1	6	6.67	179
180970057	2011	6	21	15	V	5.1	13.1	6.84	179
180970057	2011	6	21	16	V	22.9	19.3	7.06	186
180970057	2011	6	21	17	V	0.07	10.7	9.02	168
180970057	2011	6	21	18	V	7.0	10.2	10.32	179
180970057	2011	6	21	19	V	5.9	13.8	8.57	203
180970057	2011	6	21	20	V	0.09	3.3	7.47	214
180970057	2011	6	21	21	V	21.8	1.6	5.62	194
180970057	2011	6	21	22	V	11.6	3.8	7.23	188
180970057	2011	6	21	23	V	12.7	-999	6.92	196
180970057	2011	6	21	24	V	5.2	3.8	5.5	200
180970057	2011	6	22	1	V	9.3	12.8	6.47	197
180970057	2011	6	22	2	V	0.5	9.8	5.55	209
180970057	2011	6	22	3	V	2.5	2.9	5.29	204
180970057	2011	6	22	4	V	19.8	3.2	4.7	197
180970057	2011	6	22	5	V	0.4	3.7	4.49	172
180970057	2011	6	22	6	V	14.4	3.8	5.43	186
180970057	2011	6	22	7	V	11.5	5	5.97	202
180970057	2011	6	22	8	V	13.6	2.7	6.82	201
180970057	2011	6	22	9	V	18.6	5.7	7.94	200
180970057	2011	6	22	10	V	7.4	5.3	7.83	205
180970057	2011	6	22	11	V	19.0	16.4	8.66	199
180970057	2011	6	22	12	V	22.1	24.7	9.56	198

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	22	13	V	7.4	18.8	10	204
180970057	2011	6	22	14	V	6.4	9.2	10.8	204
180970057	2011	6	22	15	V	0.07	2.8	11.33	219
180970057	2011	6	22	16	V	0.1	0.3	11.74	230
180970057	2011	6	22	17	V	0.2	0	11.06	241
180970057	2011	6	22	18	V	0.3	0	9.98	244
180970057	2011	6	22	19	V	0.5	0	7.06	242
180970057	2011	6	22	20	V	0.07	0	6.02	221
180970057	2011	6	22	21	V	0.8	0	5.07	251
180970057	2011	6	22	22	V	0.9	0	2.54	275
180970057	2011	6	22	23	V	1.0	0	2.49	260
180970057	2011	6	22	24	V	1.2	0	3.64	246
180970057	2011	6	23	1	V	0.01	0	3.25	224
180970057	2011	6	23	2	V	0.02	0	4.36	172
180970057	2011	6	23	3	V	1.0	0	3.83	200
180970057	2011	6	23	4	V	0.6	0	4.51	204
180970057	2011	6	23	5	V	0.08	0	4.05	214
180970057	2011	6	23	6	V	0.05	0	5.36	225
180970057	2011	6	23	7	V	0.2	0	5.62	239
180970057	2011	6	23	8	V	0.2	0	7.4	240
180970057	2011	6	23	9	V	0.4	0	8.5	245
180970057	2011	6	23	10	V	0.2	0.2	8.54	250
180970057	2011	6	23	11	V	0.4	0.6	8.1	246
180970057	2011	6	23	12	V	0.4	0	7.91	240
180970057	2011	6	23	13	V	0.4	0	7.69	244
180970057	2011	6	23	14	V	0.4	0	8	244
180970057	2011	6	23	15	V	0.4	0	8.49	244
180970057	2011	6	23	16	V	0.3	0	8.85	248
180970057	2011	6	23	17	V	0.2	0	7.15	259
180970057	2011	6	23	18	V	0.6	0	7.57	242
180970057	2011	6	23	19	V	0.8	0	5.73	255
180970057	2011	6	23	20	V	0.8	0	6.09	256
180970057	2011	6	23	21	V	0.6	0	5.67	242
180970057	2011	6	23	22	V	0.7	0	6.57	249
180970057	2011	6	23	23	V	0.7	0	6.11	250
180970057	2011	6	23	24	V	0.9	0	5.39	256
180970057	2011	6	24	1	V	0.7	0	5.43	254
180970057	2011	6	24	2	V	0.8	0	5.16	257
180970057	2011	6	24	3	V	0.6	0	4.86	252
180970057	2011	6	24	4	V	0.8	0	5.96	261
180970057	2011	6	24	5	V	0.2	0	5.36	243
180970057	2011	6	24	6	V	0.2	0	4.86	267
180970057	2011	6	24	7	V	0.2	0	4.36	265
180970057	2011	6	24	8	V	0.06	0	6.46	282
180970057	2011	6	24	9	V	0.2	0	5.66	261
180970057	2011	6	24	10	V	0.2	0	5	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	24	11	V	0.05	0	5.9	292
180970057	2011	6	24	12	V	0.05	0	6.11	284
180970057	2011	6	24	13	V	0.1	0	5.16	277
180970057	2011	6	24	14	V	0.2	0	7.47	261
180970057	2011	6	24	15	V	0.05	0	7.72	281
180970057	2011	6	24	16	V	0.03	0	6.33	297
180970057	2011	6	24	17	V	0.03	0	5.16	294
180970057	2011	6	24	18	V	0.02	0	4.63	295
180970057	2011	6	24	19	V	0.02	0	4.59	293
180970057	2011	6	24	20	V	0.01	0	4.48	297
180970057	2011	6	24	21	V	0.07	0	3.64	287
180970057	2011	6	24	22	V	1.3	0	2.36	248
180970057	2011	6	24	23	V	0.07	0	2.86	286
180970057	2011	6	24	24	V	0.1	0	2.36	283
180970057	2011	6	25	1	V	0.6	0	1.76	253
180970057	2011	6	25	2	V	0.2	0	3.36	238
180970057	2011	6	25	3	V	0.1	0	2.36	237
180970057	2011	6	25	4	V	0.8	0	2.86	269
180970057	2011	6	25	5	V	0.5	0	2.36	257
180970057	2011	6	25	6	V	0.6	0	1.76	286
180970057	2011	6	25	7	V	0.9	0	2.09	269
180970057	2011	6	25	8	V	0.4	0	2.27	307
180970057	2011	6	25	9	V	0.3	0	2.76	319
180970057	2011	6	25	10	V	0.2	0	3.32	313
180970057	2011	6	25	11	V	0.6	0	2.18	319
180970057	2011	6	25	12	V	1.2	0	1.82	360
180970057	2011	6	25	13	V	0.8	0	2.03	96
180970057	2011	6	25	14	V	1.7	1.8	1.69	206
180970057	2011	6	25	15	V	0.6	3.3	1.67	149
180970057	2011	6	25	16	V	0.8	3.4	3.1	203
180970057	2011	6	25	17	V	0.1	0.1	4.1	208
180970057	2011	6	25	18	V	0.03	0	4.24	168
180970057	2011	6	25	19	V	0.02	0	2.49	168
180970057	2011	6	25	20	V	1.8	0	1.6	179
180970057	2011	6	25	21	V	0.1	0	1.45	130
180970057	2011	6	25	22	V	0.07	0	1.74	133
180970057	2011	6	25	23	V	0.02	0	2.86	134
180970057	2011	6	25	24	V	0.02	0	2.72	119
180970057	2011	6	26	1	V	0.02	0	3.39	107
180970057	2011	6	26	2	V	0.02	0	2.91	125
180970057	2011	6	26	3	V	0.01	0	4.85	103
180970057	2011	6	26	4	V	0.01	0	4.65	84
180970057	2011	6	26	5	V	1.3	0	3.83	65
180970057	2011	6	26	6	V	11.1	0	2.01	57
180970057	2011	6	26	7	V	1.9	0	2.69	70
180970057	2011	6	26	8	V	6.8	0	2.74	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	26	9	V	1.7	0	2.47	68
180970057	2011	6	26	10	V	0.07	0	3.61	100
180970057	2011	6	26	11	V	0.06	0	4.09	117
180970057	2011	6	26	12	V	0.04	0	5.31	129
180970057	2011	6	26	13	V	0.05	0	4.95	116
180970057	2011	6	26	14	V	0.07	0	4.49	108
180970057	2011	6	26	15	V	0.04	0	4.95	112
180970057	2011	6	26	16	V	0.04	0	4.49	121
180970057	2011	6	26	17	V	0.03	0	4.8	130
180970057	2011	6	26	18	V	0.02	0	4.71	129
180970057	2011	6	26	19	V	0.02	0	4	119
180970057	2011	6	26	20	V	0.02	0	3.83	120
180970057	2011	6	26	21	V	0.02	0	3.83	123
180970057	2011	6	26	22	V	0.02	0	3.41	113
180970057	2011	6	26	23	V	0.01	0	3.59	108
180970057	2011	6	26	24	V	0.01	0	3.74	117
180970057	2011	6	27	1	V	0.01	0	3.49	133
180970057	2011	6	27	2	V	0.02	0	2.79	139
180970057	2011	6	27	3	V	0.04	0	3.06	143
180970057	2011	6	27	4	V	0.05	0	3.41	123
180970057	2011	6	27	5	V	0.08	0.2	4.86	146
180970057	2011	6	27	6	V	0.07	0	7.29	153
180970057	2011	6	27	7	V	0.4	0	3.46	243
180970057	2011	6	27	8	V	0.4	0	3.8	165
180970057	2011	6	27	9	V	0.08	0	7.42	135
180970057	2011	6	27	10	V	0.08	0	6.43	162
180970057	2011	6	27	11	V	30.3	0	4.85	195
180970057	2011	6	27	12	V	14.7	8.9	4.97	183
180970057	2011	6	27	13	V	0.1	2.7	5.29	154
180970057	2011	6	27	14	V	0.6	0.3	4.71	171
180970057	2011	6	27	15	V	2.9	1.8	3.83	175
180970057	2011	6	27	16	V	14.0	3.9	4	202
180970057	2011	6	27	17	V	0.1	2	4.6	230
180970057	2011	6	27	18	V	0.3	0.5	5.5	258
180970057	2011	6	27	19	V	0.9	0	5.67	262
180970057	2011	6	27	20	V	0.9	0.1	4.71	251
180970057	2011	6	27	21	V	1.0	0	4.32	259
180970057	2011	6	27	22	V	1.2	0	3.23	248
180970057	2011	6	27	23	V	0.6	0	3.97	237
180970057	2011	6	27	24	V	1.0	0	4.34	243
180970057	2011	6	28	1	V	0.4	0	3.68	247
180970057	2011	6	28	2	V	0.2	0	3.17	242
180970057	2011	6	28	3	V	0.2	0	3.17	240
180970057	2011	6	28	4	V	0.5	0	3.66	251
180970057	2011	6	28	5	V	0.5	0	3.63	275
180970057	2011	6	28	6	V	0.2	0	4.58	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	28	7	V	0.4	0	3.93	312
180970057	2011	6	28	8	V	0.3	0	4.17	316
180970057	2011	6	28	9	V	0.3	0	4.2	320
180970057	2011	6	28	10	V	0.2	0	5.51	312
180970057	2011	6	28	11	V	0.1	0	6.53	308
180970057	2011	6	28	12	V	0.1	0	6.77	311
180970057	2011	6	28	13	V	0.1	0	6.99	307
180970057	2011	6	28	14	V	0.2	0	6.48	319
180970057	2011	6	28	15	V	0.2	0	5.7	304
180970057	2011	6	28	16	V	0.2	0	5.65	314
180970057	2011	6	28	17	V	0.1	0	5.63	312
180970057	2011	6	28	18	V	0.06	0	5.96	321
180970057	2011	6	28	19	V	0.03	0	5.04	318
180970057	2011	6	28	20	V	0.05	0	4.46	310
180970057	2011	6	28	21	V	0.04	0	3.51	314
180970057	2011	6	28	22	V	0.07	0	2.69	321
180970057	2011	6	28	23	V	1.0	-999	1.93	271
180970057	2011	6	28	24	V	0.4	0	1.4	5
180970057	2011	6	29	1	V	25.0	0	1.74	49
180970057	2011	6	29	2	V	0.8	0	1.2	100
180970057	2011	6	29	3	V	0.2	0	1.67	133
180970057	2011	6	29	4	V	0.2	0	1.67	106
180970057	2011	6	29	5	V	1.8	0	1.25	114
180970057	2011	6	29	6	V	13.0	0	0.75	250
180970057	2011	6	29	7	V	12.3	0	1.03	238
180970057	2011	6	29	8	V	3.1	1.3	1.72	230
180970057	2011	6	29	9	V	5.6	6.4	2.08	215
180970057	2011	6	29	10	V	5.6	27.8	2.25	214
180970057	2011	6	29	11	V	3.7	2.6	1.62	238
180970057	2011	6	29	12	V	1.3	0.8	2.38	291
180970057	2011	6	29	13	V	1.0	0.3	2.57	289
180970057	2011	6	29	14	V	1.4	0	2.18	308
180970057	2011	6	29	15	V	1.9	0	1.84	260
180970057	2011	6	29	16	V	1.2	0	1.99	288
180970057	2011	6	29	17	V	0.4	0	2.64	305
180970057	2011	6	29	18	V	0.06	0	2.73	326
180970057	2011	6	29	19	V	0.08	0	2.64	315
180970057	2011	6	29	20	V	0.06	0	2.86	322
180970057	2011	6	29	21	V	0.1	0	2.44	325
180970057	2011	6	29	22	V	0.5	0	1.48	320
180970057	2011	6	29	23	V	0.8	0	1.22	293
180970057	2011	6	29	24	V	1.4	0	1.46	253
180970057	2011	6	30	1	V	2.3	0	1.03	267
180970057	2011	6	30	2	V	1.5	0	1.28	277
180970057	2011	6	30	3	V	1.0	0	1.18	320
180970057	2011	6	30	4	V	1.1	0	1.42	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	6	30	5	V	1.7	0	1.31	305
180970057	2011	6	30	6	V	3.5	0.3	1.31	314
180970057	2011	6	30	7	V	22.7	0.5	0.53	81
180970057	2011	6	30	8	V	20.8	0.6	0.52	38
180970057	2011	6	30	9	V	9.7	0.7	0.77	189
180970057	2011	6	30	10	V	6.6	1.5	2.33	216
180970057	2011	6	30	11	V	3.6	0.3	2.37	225
180970057	2011	6	30	12	V	11.8	11.4	2.81	207
180970057	2011	6	30	13	V	11.6	35	2.86	209
180970057	2011	6	30	14	V	17.6	32.7	2.61	199
180970057	2011	6	30	15	V	7.1	20.7	2.45	217
180970057	2011	6	30	16	V	1.4	12	3.01	224
180970057	2011	6	30	17	V	0.5	6.7	3.35	223
180970057	2011	6	30	18	V	0.1	8.8	3.05	220
180970057	2011	6	30	19	V	0.1	13	2.27	217
180970057	2011	6	30	20	V	0.1	4	3.68	152
180970057	2011	6	30	21	V	11.7	1.6	3.25	183
180970057	2011	6	30	22	V	1.0	0.3	3.88	259
180970057	2011	6	30	23	V	0.04	0	5.36	329
180970057	2011	6	30	24	V	0.03	0	5.46	342
180970057	2011	7	1	1	V	0.4	0	4.66	248
180970057	2011	7	1	2	V	0.09	0	2.38	216
180970057	2011	7	1	3	V	0.3	0	4	282
180970057	2011	7	1	4	V	0.06	0	3.12	104
180970057	2011	7	1	5	V	3.4	0	1.69	163
180970057	2011	7	1	6	V	2.3	0.7	1.96	81
180970057	2011	7	1	7	V	2.1	1.5	1.81	2
180970057	2011	7	1	8	V	3.6	0.3	1.42	275
180970057	2011	7	1	9	V	4.6	1	1.47	234
180970057	2011	7	1	10	V	3.2	2	1.79	228
180970057	2011	7	1	11	V	1.9	2	1.81	245
180970057	2011	7	1	12	V	9.1	1.8	0.92	261
180970057	2011	7	1	13	V	7.0	4	1.11	33
180970057	2011	7	1	14	V	1.2	4.5	1.98	103
180970057	2011	7	1	15	V	1.5	1	1.69	115
180970057	2011	7	1	16	V	17.1	0	1.54	185
180970057	2011	7	1	17	V	0.3	0	3.13	237
180970057	2011	7	1	18	V	0.07	0.7	3.07	227
180970057	2011	7	1	19	V	0.6	2.4	3.67	210
180970057	2011	7	1	20	V	0.2	5.3	3.36	225
180970057	2011	7	1	21	V	1.9	3.5	1.28	245
180970057	2011	7	1	22	V	3.8	1	0.69	316
180970057	2011	7	1	23	V	0.7	0.3	1.23	126
180970057	2011	7	1	24	V	0.05	0.3	2.66	135
180970057	2011	7	2	1	V	0.04	0.1	2.91	154
180970057	2011	7	2	2	V	5.2	0	1.87	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	2	3	V	10.8	0	1.43	206
180970057	2011	7	2	4	V	3.5	0	1.47	209
180970057	2011	7	2	5	V	24.1	0	1.82	181
180970057	2011	7	2	6	V	27.2	0	2.01	206
180970057	2011	7	2	7	V	24.8	0	2.2	177
180970057	2011	7	2	8	V	3.1	3.8	2.76	218
180970057	2011	7	2	9	V	1.2	5.6	2.1	267
180970057	2011	7	2	10	V	18.9	8.8	3.9	188
180970057	2011	7	2	11	V	7.3	12.4	3.93	210
180970057	2011	7	2	12	V	10.9	9	4.6	206
180970057	2011	7	2	13	V	12.2	14.5	4.97	203
180970057	2011	7	2	14	V	14.6	9.4	4.97	199
180970057	2011	7	2	15	V	4.4	6.7	5.27	214
180970057	2011	7	2	16	V	9.1	4.4	5.09	208
180970057	2011	7	2	17	V	9.7	1.5	5.11	207
180970057	2011	7	2	18	V	1.8	3.8	6.01	208
180970057	2011	7	2	19	V	0.3	9.2	6.04	209
180970057	2011	7	2	20	V	16.1	7.8	4.39	201
180970057	2011	7	2	21	V	0.2	2.5	3.85	213
180970057	2011	7	2	22	V	0.1	1.2	2.23	215
180970057	2011	7	2	23	V	0.03	1.6	6.84	18
180970057	2011	7	2	24	V	0.2	0.5	4.51	284
180970057	2011	7	3	1	V	13.6	21.4	10.14	186
180970057	2011	7	3	2	V	0.06	45.6	7.55	215
180970057	2011	7	3	3	V	0.2	3.2	6.82	282
180970057	2011	7	3	4	V	0.5	0.2	5.04	276
180970057	2011	7	3	5	V	4.2	0	2.86	31
180970057	2011	7	3	6	V	2.7	0	4.11	31
180970057	2011	7	3	7	V	14.3	0	3.37	52
180970057	2011	7	3	8	V	1.0	0	2.88	78
180970057	2011	7	3	9	V	5.3	2.4	1.55	162
180970057	2011	7	3	10	V	2.2	3	1.74	235
180970057	2011	7	3	11	V	4.0	7.4	1.87	233
180970057	2011	7	3	12	V	4.8	5.2	1.6	237
180970057	2011	7	3	13	V	2.8	2.6	2.16	243
180970057	2011	7	3	14	V	0.8	1.2	2.79	248
180970057	2011	7	3	15	V	0.6	0.5	2.62	282
180970057	2011	7	3	16	V	0.4	0	2.76	338
180970057	2011	7	3	17	V	0.4	0	2.93	328
180970057	2011	7	3	18	V	0.1	0	3.83	332
180970057	2011	7	3	19	V	0.06	0	4.36	325
180970057	2011	7	3	20	V	0.07	0	3.74	318
180970057	2011	7	3	21	V	0.06	0	2.93	296
180970057	2011	7	3	22	V	0.9	0	2.86	266
180970057	2011	7	3	23	V	0.7	0	5.26	242
180970057	2011	7	3	24	V	0.8	0	2.78	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	4	1	V	0.04	0	2.93	24
180970057	2011	7	4	2	V	0.06	0	3.42	27
180970057	2011	7	4	3	V	0.1	0	1.77	352
180970057	2011	7	4	4	V	0.8	0	1.15	297
180970057	2011	7	4	5	V	2.0	0	1.2	279
180970057	2011	7	4	6	V	1.6	0	1.76	274
180970057	2011	7	4	7	V	1.5	0	2.72	256
180970057	2011	7	4	8	V	0.5	0	2.52	332
180970057	2011	7	4	9	V	6.6	0	1.43	25
180970057	2011	7	4	10	V	1.4	0	1.77	289
180970057	2011	7	4	11	V	0.5	0	2.61	342
180970057	2011	7	4	12	V	3.8	1.6	1.47	326
180970057	2011	7	4	13	V	3.1	2	1.76	323
180970057	2011	7	4	14	V	1.9	3.8	2.23	334
180970057	2011	7	4	15	V	0.5	2	3.51	318
180970057	2011	7	4	16	V	0.3	0	4.39	337
180970057	2011	7	4	17	V	0.2	0	5.67	344
180970057	2011	7	4	18	V	0.09	0	5.04	346
180970057	2011	7	4	19	V	0.03	0	5.05	350
180970057	2011	7	4	20	V	0.04	0	4.58	357
180970057	2011	7	4	21	V	0.05	0	3.01	338
180970057	2011	7	4	22	V	0.09	0.3	2.3	300
180970057	2011	7	4	23	V	0.03	2.4	3.25	334
180970057	2011	7	4	24	V	0.2	1.3	1.74	327
180970057	2011	7	5	1	V	0.6	0.2	1.35	325
180970057	2011	7	5	2	V	0.4	0	1.4	334
180970057	2011	7	5	3	V	0.08	0	2.3	9
180970057	2011	7	5	4	V	0.1	0	2.06	16
180970057	2011	7	5	5	V	1.1	0	1.64	8
180970057	2011	7	5	6	V	4.2	0	2.16	20
180970057	2011	7	5	7	V	7.0	0	2.3	23
180970057	2011	7	5	8	V	4.8	0.1	2.32	26
180970057	2011	7	5	9	V	4.5	0	2.06	36
180970057	2011	7	5	10	V	4.8	3	1.69	34
180970057	2011	7	5	11	V	4.6	0	1.69	31
180970057	2011	7	5	12	V	4.3	5.1	1.76	27
180970057	2011	7	5	13	V	3.9	4.5	1.74	350
180970057	2011	7	5	14	V	5.7	0.3	2.03	207
180970057	2011	7	5	15	V	1.9	0	2.47	241
180970057	2011	7	5	16	V	9.9	8.1	2.45	193
180970057	2011	7	5	17	V	7.7	10.3	3.44	212
180970057	2011	7	5	18	V	0.2	2.5	3.08	227
180970057	2011	7	5	19	V	0.8	1.4	3.58	267
180970057	2011	7	5	20	V	0.9	0	3.3	264
180970057	2011	7	5	21	V	0.09	0	2.59	290
180970057	2011	7	5	22	V	0.08	0	2.73	325

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	5	23	V	0.1	-999	2.32	336
180970057	2011	7	5	24	V	0.5	0	1.42	12
180970057	2011	7	6	1	V	0.9	0	1.18	327
180970057	2011	7	6	2	V	6.5	0	0.67	259
180970057	2011	7	6	3	V	0.2	0	1.96	283
180970057	2011	7	6	4	V	17.6	0	1.26	38
180970057	2011	7	6	5	V	6.5	0	0.96	276
180970057	2011	7	6	6	V	3.7	0	1.54	250
180970057	2011	7	6	7	V	9.9	0	1.33	258
180970057	2011	7	6	8	V	5.0	0.1	1.55	255
180970057	2011	7	6	9	V	2.5	0.4	1.86	255
180970057	2011	7	6	10	V	1.1	0.8	2.71	271
180970057	2011	7	6	11	V	0.8	5.8	3.2	291
180970057	2011	7	6	12	V	1.5	22.9	2.5	292
180970057	2011	7	6	13	V	1.9	14.3	2.38	312
180970057	2011	7	6	14	V	1.3	2.5	2.81	263
180970057	2011	7	6	15	V	1.5	0.4	2.42	288
180970057	2011	7	6	16	V	0.8	0	3.18	310
180970057	2011	7	6	17	V	0.6	0	3.15	322
180970057	2011	7	6	18	V	0.2	0	3.51	305
180970057	2011	7	6	19	V	0.05	0	3.52	310
180970057	2011	7	6	20	V	0.05	0	3.57	315
180970057	2011	7	6	21	V	0.05	0	3.03	319
180970057	2011	7	6	22	V	0.1	0	2.49	326
180970057	2011	7	6	23	V	0.2	0	2.05	324
180970057	2011	7	6	24	V	0.2	0	2.1	4
180970057	2011	7	7	1	V	0.2	0.9	2.79	36
180970057	2011	7	7	2	V	0.03	2.6	2.96	32
180970057	2011	7	7	3	V	0.3	2.8	1.62	12
180970057	2011	7	7	4	V	0.2	0.2	1.72	15
180970057	2011	7	7	5	V	5.6	0	2.06	28
180970057	2011	7	7	6	V	6.2	0	2.47	26
180970057	2011	7	7	7	V	11.8	0	2.23	40
180970057	2011	7	7	8	V	1.5	0	2.5	89
180970057	2011	7	7	9	V	1.0	0	2.5	111
180970057	2011	7	7	10	M	-999	0	1.76	999
180970057	2011	7	7	11	V	4.0	-999	1.48	195
180970057	2011	7	7	12	V	4.1	5	1.4	32
180970057	2011	7	7	13	V	5.0	25	2.33	164
180970057	2011	7	7	14	V	12.9	9.5	2.18	195
180970057	2011	7	7	15	V	4.8	40	2.86	168
180970057	2011	7	7	16	V	5.5	7.7	3.73	171
180970057	2011	7	7	17	V	11.4	1.1	4.71	54
180970057	2011	7	7	18	V	4.3	0.8	2.98	58
180970057	2011	7	7	19	V	5.2	1.7	2.64	52
180970057	2011	7	7	20	V	0.09	0	2.64	10

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	7	21	V	0.09	6	2.55	6
180970057	2011	7	7	22	V	0.2	0	1.91	6
180970057	2011	7	7	23	V	0.6	0	1.43	22
180970057	2011	7	7	24	V	0.5	0	1.47	98
180970057	2011	7	8	1	V	0.06	0	3.85	321
180970057	2011	7	8	2	V	0.04	0	4.68	355
180970057	2011	7	8	3	V	0.2	0	4.78	34
180970057	2011	7	8	4	V	0.1	0.1	2.64	234
180970057	2011	7	8	5	V	0.4	0.7	2.21	343
180970057	2011	7	8	6	V	3.6	0	1.77	73
180970057	2011	7	8	7	V	2.7	0	1.94	96
180970057	2011	7	8	8	V	12.3	0.1	1.77	68
180970057	2011	7	8	9	V	10.5	1.2	1.26	123
180970057	2011	7	8	10	V	4.2	4	2.42	29
180970057	2011	7	8	11	V	1.8	3.5	4.44	18
180970057	2011	7	8	12	V	2.1	1.3	5.21	22
180970057	2011	7	8	13	V	1.2	0.2	5.39	18
180970057	2011	7	8	14	V	4.4	0	5.07	30
180970057	2011	7	8	15	V	1.1	0.3	5.29	22
180970057	2011	7	8	16	V	1.6	4.6	5.36	23
180970057	2011	7	8	17	V	0.3	4.3	5.09	16
180970057	2011	7	8	18	V	0.1	0.3	5.02	17
180970057	2011	7	8	19	V	0.03	0	5.26	2
180970057	2011	7	8	20	V	0.06	0	4.08	9
180970057	2011	7	8	21	V	0.06	0	3.98	342
180970057	2011	7	8	22	V	0.06	0	4.05	352
180970057	2011	7	8	23	V	0.05	0	3.93	359
180970057	2011	7	8	24	V	0.04	0	3.91	16
180970057	2011	7	9	1	V	0.03	0	3.58	27
180970057	2011	7	9	2	V	0.04	0	3.76	31
180970057	2011	7	9	3	V	0.7	0	2.83	39
180970057	2011	7	9	4	V	0.4	0	2.54	36
180970057	2011	7	9	5	V	11.1	0	2.54	39
180970057	2011	7	9	6	V	17.9	0	2.18	44
180970057	2011	7	9	7	V	2.3	0	2.47	77
180970057	2011	7	9	8	V	0.9	0	2.59	108
180970057	2011	7	9	9	V	0.7	0.2	3.07	118
180970057	2011	7	9	10	V	0.6	0	3.83	122
180970057	2011	7	9	11	V	0.5	0	4.2	107
180970057	2011	7	9	12	V	0.7	0	3.2	141
180970057	2011	7	9	13	V	0.7	0	3.18	141
180970057	2011	7	9	14	V	2.3	0	2.86	161
180970057	2011	7	9	15	V	3.5	0	3.01	170
180970057	2011	7	9	16	V	6.3	0	2.91	190
180970057	2011	7	9	17	V	0.5	0	2.96	142
180970057	2011	7	9	18	V	0.2	0	2.35	157

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	9	19	V	0.04	0	3.03	172
180970057	2011	7	9	20	V	0.06	0	2.79	177
180970057	2011	7	9	21	V	0.08	0	2.27	167
180970057	2011	7	9	22	V	0.03	0	2.95	133
180970057	2011	7	9	23	V	0.04	0	3.61	154
180970057	2011	7	9	24	V	0.04	0	3.42	161
180970057	2011	7	10	1	V	0.03	0	3.18	152
180970057	2011	7	10	2	V	0.03	0	3.39	169
180970057	2011	7	10	3	V	13.2	0	2.04	184
180970057	2011	7	10	4	V	0.09	0	2.15	164
180970057	2011	7	10	5	V	19.9	0	1.67	180
180970057	2011	7	10	6	V	2.0	0	1.86	143
180970057	2011	7	10	7	V	3.3	0	1.52	141
180970057	2011	7	10	8	V	4.8	1.4	1.59	163
180970057	2011	7	10	9	V	3.6	3.2	3	167
180970057	2011	7	10	10	V	6.4	4.4	3.05	176
180970057	2011	7	10	11	V	1.6	10.6	2.98	155
180970057	2011	7	10	12	V	1.3	9.8	3.05	152
180970057	2011	7	10	13	V	2.1	1.7	3.18	159
180970057	2011	7	10	14	V	1.1	0	3.46	155
180970057	2011	7	10	15	V	9.1	0.1	3.49	184
180970057	2011	7	10	16	V	6.5	0.5	3.2	175
180970057	2011	7	10	17	V	15.0	0	3.2	193
180970057	2011	7	10	18	V	1.3	4.7	4.24	174
180970057	2011	7	10	19	V	0.05	0.5	4.48	174
180970057	2011	7	10	20	V	0.07	0.8	3.9	174
180970057	2011	7	10	21	V	0.04	0	3.41	162
180970057	2011	7	10	22	V	0.05	0	3.91	159
180970057	2011	7	10	23	V	0.05	0	3.75	159
180970057	2011	7	10	24	V	0.05	0	4.02	168
180970057	2011	7	11	1	V	0.03	0	3.13	150
180970057	2011	7	11	2	V	0.03	0	2.74	149
180970057	2011	7	11	3	V	0.03	0	2.95	149
180970057	2011	7	11	4	V	0.06	0	3.08	155
180970057	2011	7	11	5	V	0.5	0	2.81	145
180970057	2011	7	11	6	V	0.4	0	3.54	156
180970057	2011	7	11	7	V	4.6	0	3.73	172
180970057	2011	7	11	8	V	22.5	22.8	4.27	194
180970057	2011	7	11	9	V	2.9	6.2	4.97	214
180970057	2011	7	11	10	V	0.5	2.3	5.75	224
180970057	2011	7	11	11	V	1.3	0	4.75	223
180970057	2011	7	11	12	V	0.3	0	5.44	268
180970057	2011	7	11	13	V	0.5	0	4.03	275
180970057	2011	7	11	14	V	0.9	0	3.13	270
180970057	2011	7	11	15	V	5.3	0	3.83	211
180970057	2011	7	11	16	V	11.2	0	6.19	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	11	17	V	2.1	0	7.15	211
180970057	2011	7	11	18	V	0.07	0	7.38	224
180970057	2011	7	11	19	V	0.6	0	7.18	245
180970057	2011	7	11	20	V	0.8	0	5.96	257
180970057	2011	7	11	21	V	0.9	0	4.2	262
180970057	2011	7	11	22	V	0.09	0	2.13	348
180970057	2011	7	11	23	V	0.1	0	2.03	346
180970057	2011	7	11	24	V	0.3	0	1.77	310
180970057	2011	7	12	1	V	1.6	0	1.5	275
180970057	2011	7	12	2	V	0.5	0	1.42	298
180970057	2011	7	12	3	V	0.09	0	2.49	320
180970057	2011	7	12	4	V	0.07	0	2.69	318
180970057	2011	7	12	5	V	0.8	0	1.96	322
180970057	2011	7	12	6	V	5.0	0	1.65	283
180970057	2011	7	12	7	V	1.5	0	2.28	293
180970057	2011	7	12	8	V	0.5	0	3.73	334
180970057	2011	7	12	9	V	1.4	0	2.54	356
180970057	2011	7	12	10	V	4.1	0	1.71	321
180970057	2011	7	12	11	V	1.9	0	2.33	321
180970057	2011	7	12	12	V	2.0	0	2.27	313
180970057	2011	7	12	13	V	0.7	0	3.34	316
180970057	2011	7	12	14	V	0.4	0	4.46	320
180970057	2011	7	12	15	V	0.4	0	4.36	329
180970057	2011	7	12	16	V	0.3	0	4.94	330
180970057	2011	7	12	17	V	0.2	0	4.36	349
180970057	2011	7	12	18	V	0.09	0	4.44	351
180970057	2011	7	12	19	V	0.08	0	2.42	358
180970057	2011	7	12	20	V	0.1	0	1.98	312
180970057	2011	7	12	21	V	0.09	0	3.63	339
180970057	2011	7	12	22	V	0.9	0	2.86	273
180970057	2011	7	12	23	V	1.0	-999	2.86	262
180970057	2011	7	12	24	V	0.07	0	3.36	325
180970057	2011	7	13	1	C	-999	0	0	0
180970057	2011	7	13	2	V	0.2	0	1.76	349
180970057	2011	7	13	3	V	0.09	0	3.86	28
180970057	2011	7	13	4	V	1.4	0	3.86	36
180970057	2011	7	13	5	V	0.2	0	4.36	19
180970057	2011	7	13	6	V	0.2	0	4.36	358
180970057	2011	7	13	7	V	3.5	0	4.36	30
180970057	2011	7	13	8	C	-999	0	0	0
180970057	2011	7	13	9	V	0.5	0	3.86	14
180970057	2011	7	13	10	C	-999	0	0	0
180970057	2011	7	13	11	C	-999	1.1	0	0
180970057	2011	7	13	12	V	8.6	3.2	2.86	43
180970057	2011	7	13	13	V	5.7	1.8	3.36	32
180970057	2011	7	13	14	V	0.9	2.2	4.86	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	13	15	M	-999	0.4	2.86	999
180970057	2011	7	13	16	V	1.7	0	5.36	27
180970057	2011	7	13	17	V	14.4	0	5.96	44
180970057	2011	7	13	18	V	0.2	0	5.36	27
180970057	2011	7	13	19	V	0.04	0	5.96	32
180970057	2011	7	13	20	V	0.03	0	5.36	10
180970057	2011	7	13	21	V	0.05	0	4.36	18
180970057	2011	7	13	22	V	0.05	0	2.86	9
180970057	2011	7	13	23	V	0.04	0	3.36	7
180970057	2011	7	13	24	V	0.05	0.7	3.86	28
180970057	2011	7	14	1	V	0.02	0	4.86	68
180970057	2011	7	14	2	V	0.02	0	5.36	89
180970057	2011	7	14	3	V	0.03	0	4.61	88
180970057	2011	7	14	4	V	0.02	0	4.73	87
180970057	2011	7	14	5	V	0.1	0	4.94	87
180970057	2011	7	14	6	V	0.3	0	4.26	79
180970057	2011	7	14	7	V	0.3	0.1	4.7	79
180970057	2011	7	14	8	V	0.2	0.5	5.56	88
180970057	2011	7	14	9	V	0.3	0.3	5.39	86
180970057	2011	7	14	10	V	0.4	0.3	4.54	87
180970057	2011	7	14	11	V	0.4	0.7	4.22	110
180970057	2011	7	14	12	V	0.6	0.2	3.32	106
180970057	2011	7	14	13	V	2.6	0	2.83	78
180970057	2011	7	14	14	V	0.6	0	3.16	103
180970057	2011	7	14	15	V	1.3	0	3.22	80
180970057	2011	7	14	16	V	0.4	0	3.61	100
180970057	2011	7	14	17	V	0.4	0	3.68	96
180970057	2011	7	14	18	V	0.06	0	3.68	104
180970057	2011	7	14	19	V	0.06	0	4.12	104
180970057	2011	7	14	20	V	0.06	0.3	4.09	104
180970057	2011	7	14	21	V	0.06	0	3.61	109
180970057	2011	7	14	22	V	0.05	1.1	3.27	97
180970057	2011	7	14	23	V	0.05	9.7	3.22	92
180970057	2011	7	14	24	V	0.05	7.6	2.93	91
180970057	2011	7	15	1	V	0.07	16.5	2.67	91
180970057	2011	7	15	2	V	0.05	5.4	2.76	90
180970057	2011	7	15	3	V	0.04	2.9	2.81	86
180970057	2011	7	15	4	V	0.09	1.7	2.2	72
180970057	2011	7	15	5	V	0.8	3.9	2.47	76
180970057	2011	7	15	6	V	18.1	1.2	2.25	51
180970057	2011	7	15	7	V	9.6	1.3	2.11	61
180970057	2011	7	15	8	V	5.7	1.6	2.06	54
180970057	2011	7	15	9	V	5.1	5.8	2.32	46
180970057	2011	7	15	10	V	7.3	10	3.95	47
180970057	2011	7	15	11	V	7.8	8.8	4.88	46
180970057	2011	7	15	12	V	5.7	2.8	4.26	57

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	15	13	V	5.2	19.9	3.58	38
180970057	2011	7	15	14	V	4.9	5.5	3.3	59
180970057	2011	7	15	15	V	3.1	5.2	3.17	73
180970057	2011	7	15	16	V	7.9	8.8	2.83	40
180970057	2011	7	15	17	V	6.9	5.4	3.57	34
180970057	2011	7	15	18	V	3.1	4.1	3.51	33
180970057	2011	7	15	19	V	1.6	5.8	4.26	39
180970057	2011	7	15	20	V	0.08	0.8	3.58	72
180970057	2011	7	15	21	V	0.04	0.3	2.98	91
180970057	2011	7	15	22	V	0.1	0.3	2.03	78
180970057	2011	7	15	23	V	0.3	0	1.62	355
180970057	2011	7	15	24	V	14.7	0	1.06	60
180970057	2011	7	16	1	V	0.5	0	1.4	17
180970057	2011	7	16	2	V	0.4	0	1.47	352
180970057	2011	7	16	3	V	0.4	0	1.43	6
180970057	2011	7	16	4	V	0.3	0	1.55	9
180970057	2011	7	16	5	V	6.3	0	1.86	29
180970057	2011	7	16	6	V	17.4	0	2.28	41
180970057	2011	7	16	7	V	1.0	1.1	2.32	90
180970057	2011	7	16	8	V	0.6	0.4	2.79	122
180970057	2011	7	16	9	V	0.5	0.1	3.01	121
180970057	2011	7	16	10	V	0.7	0.5	3.03	107
180970057	2011	7	16	11	V	0.5	0.3	3.52	138
180970057	2011	7	16	12	V	2.2	0.3	2.95	160
180970057	2011	7	16	13	V	12.8	1.9	2.11	200
180970057	2011	7	16	14	V	14.9	2.4	2.3	194
180970057	2011	7	16	15	V	6.2	7.1	2.83	170
180970057	2011	7	16	16	V	7.2	16.6	2.61	171
180970057	2011	7	16	17	V	18.1	10.1	3.3	186
180970057	2011	7	16	18	V	27.9	10.5	3.46	193
180970057	2011	7	16	19	V	0.07	2.2	3.25	215
180970057	2011	7	16	20	V	0.06	0.4	2.88	218
180970057	2011	7	16	21	V	1.0	0.1	2.13	251
180970057	2011	7	16	22	V	6.2	0	0.75	265
180970057	2011	7	16	23	V	0.3	0	1.62	286
180970057	2011	7	16	24	V	8.1	0	0.7	232
180970057	2011	7	17	1	V	7.1	0	0.7	246
180970057	2011	7	17	2	C	-999	0	0	0
180970057	2011	7	17	3	V	109.6	0	0.91	192
180970057	2011	7	17	4	V	52.7	0	2.03	196
180970057	2011	7	17	5	V	24.4	0	1.47	204
180970057	2011	7	17	6	V	2.7	0	1.48	134
180970057	2011	7	17	7	V	4.1	0	1.45	152
180970057	2011	7	17	8	V	12.7	1	1.42	211
180970057	2011	7	17	9	V	3.9	1	1.77	242
180970057	2011	7	17	10	V	2.4	0.3	1.64	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	17	11	V	1.1	0.8	2.73	271
180970057	2011	7	17	12	V	0.7	2.8	3.35	268
180970057	2011	7	17	13	V	0.5	2	3.71	282
180970057	2011	7	17	14	V	0.5	0.8	3.61	269
180970057	2011	7	17	15	V	0.4	0.3	3.47	284
180970057	2011	7	17	16	V	0.3	0	3.75	281
180970057	2011	7	17	17	V	0.2	0	4.42	297
180970057	2011	7	17	18	V	0.06	0	4.56	293
180970057	2011	7	17	19	V	0.03	0	3.93	298
180970057	2011	7	17	20	V	0.03	0	3.29	291
180970057	2011	7	17	21	V	0.1	0	2.47	282
180970057	2011	7	17	22	V	0.07	0	3.51	214
180970057	2011	7	17	23	V	0.05	2.6	3.54	217
180970057	2011	7	17	24	V	0.04	9.2	2.98	219
180970057	2011	7	18	1	V	0.1	4.3	3.1	240
180970057	2011	7	18	2	V	0.2	1.4	3.18	246
180970057	2011	7	18	3	V	1.1	0.1	2.84	258
180970057	2011	7	18	4	V	0.06	0	2.59	232
180970057	2011	7	18	5	V	0.5	0	2.62	242
180970057	2011	7	18	6	V	0.6	0	3.22	242
180970057	2011	7	18	7	V	0.5	0	3.64	238
180970057	2011	7	18	8	V	0.5	0	3.8	272
180970057	2011	7	18	9	V	0.4	0	4.85	273
180970057	2011	7	18	10	V	0.3	0	5.62	265
180970057	2011	7	18	11	V	0.4	0	5.96	256
180970057	2011	7	18	12	V	0.5	0	5.44	249
180970057	2011	7	18	13	V	0.4	0	5.34	264
180970057	2011	7	18	14	V	0.3	0	6.62	264
180970057	2011	7	18	15	V	0.3	0	6.33	263
180970057	2011	7	18	16	V	0.5	0	6.18	247
180970057	2011	7	18	17	V	0.3	0	6.12	246
180970057	2011	7	18	18	V	0.2	0	5.9	239
180970057	2011	7	18	19	V	0.8	0	5.94	257
180970057	2011	7	18	20	V	0.8	0	5.48	267
180970057	2011	7	18	21	V	1.0	0	4.31	250
180970057	2011	7	18	22	V	1.1	0	4	243
180970057	2011	7	18	23	V	0.6	0	4.19	236
180970057	2011	7	18	24	V	0.4	0	4.82	234
180970057	2011	7	19	1	V	0.08	0	5.24	235
180970057	2011	7	19	2	V	0.9	0	3.73	264
180970057	2011	7	19	3	V	0.4	0	4.48	249
180970057	2011	7	19	4	V	0.4	0	4.85	249
180970057	2011	7	19	5	V	0.2	0	5.67	247
180970057	2011	7	19	6	V	0.2	0	5.56	255
180970057	2011	7	19	7	V	0.3	0	5.04	259
180970057	2011	7	19	8	V	0.4	0	4.41	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	19	9	V	0.3	0	4.44	289
180970057	2011	7	19	10	V	0.4	0	3.49	298
180970057	2011	7	19	11	V	1.0	0	2.67	289
180970057	2011	7	19	12	V	0.9	0	3.32	275
180970057	2011	7	19	13	V	0.6	0	3.68	262
180970057	2011	7	19	14	V	0.4	0	4.99	269
180970057	2011	7	19	15	V	0.3	0	5.38	279
180970057	2011	7	19	16	V	0.3	0	4.87	296
180970057	2011	7	19	17	V	0.2	0	5.17	301
180970057	2011	7	19	18	V	0.09	0	5.14	303
180970057	2011	7	19	19	V	0.04	0	5.26	319
180970057	2011	7	19	20	V	0.06	0	3.78	356
180970057	2011	7	19	21	V	0.06	0	2.64	355
180970057	2011	7	19	22	V	0.3	0	1.72	3
180970057	2011	7	19	23	V	1.1	-999	1.16	350
180970057	2011	7	19	24	V	1.1	0	1.84	255
180970057	2011	7	20	1	V	1.1	0	2.21	263
180970057	2011	7	20	2	V	0.3	0	2.03	281
180970057	2011	7	20	3	V	1.6	0	1.42	259
180970057	2011	7	20	4	V	0.3	0	2.71	244
180970057	2011	7	20	5	V	0.5	0	2.49	227
180970057	2011	7	20	6	V	3.1	0	1.5	245
180970057	2011	7	20	7	V	22.4	0	0.57	219
180970057	2011	7	20	8	V	14.6	0	0.65	178
180970057	2011	7	20	9	V	1.9	0	2.22	236
180970057	2011	7	20	10	V	4.3	0	2.44	225
180970057	2011	7	20	11	V	5.7	0	1.99	217
180970057	2011	7	20	12	V	3.4	0	2.64	225
180970057	2011	7	20	13	V	1.1	0	3.8	229
180970057	2011	7	20	14	V	0.5	0	5.27	248
180970057	2011	7	20	15	V	0.3	0	6.62	262
180970057	2011	7	20	16	V	0.2	0	7.33	263
180970057	2011	7	20	17	V	0.3	0	7.31	246
180970057	2011	7	20	18	V	0.2	0	7.42	254
180970057	2011	7	20	19	V	0.4	0	7.11	276
180970057	2011	7	20	20	V	0.9	0	4.85	263
180970057	2011	7	20	21	V	1.0	0	3.35	254
180970057	2011	7	20	22	V	1.1	0	3.15	251
180970057	2011	7	20	23	V	1.2	0	3.59	248
180970057	2011	7	20	24	V	0.9	0	3.34	240
180970057	2011	7	21	1	V	0.1	0	2.91	237
180970057	2011	7	21	2	V	0.06	0	2.96	235
180970057	2011	7	21	3	V	0.04	0	3.15	216
180970057	2011	7	21	4	V	0.2	0	3.05	242
180970057	2011	7	21	5	V	0.3	0	2.84	232
180970057	2011	7	21	6	V	1.2	0	2.64	228

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	21	7	V	0.9	0	3.08	240
180970057	2011	7	21	8	V	0.6	1.3	3.76	244
180970057	2011	7	21	9	V	0.7	3.9	3.97	252
180970057	2011	7	21	10	V	0.6	2.3	4.09	262
180970057	2011	7	21	11	V	0.5	1.1	4.65	267
180970057	2011	7	21	12	V	0.4	0.2	4.88	272
180970057	2011	7	21	13	V	0.5	0	4.72	263
180970057	2011	7	21	14	V	0.5	0	4.36	277
180970057	2011	7	21	15	V	0.5	0	4.63	262
180970057	2011	7	21	16	V	0.4	0	4.9	270
180970057	2011	7	21	17	V	0.3	0	5.1	264
180970057	2011	7	21	18	V	0.3	0	4.63	260
180970057	2011	7	21	19	V	0.5	0	4.95	237
180970057	2011	7	21	20	V	0.3	0.6	4.03	230
180970057	2011	7	21	21	V	0.09	0	3.46	214
180970057	2011	7	21	22	V	0.1	0	3.4	213
180970057	2011	7	21	23	V	0.08	0	3.92	216
180970057	2011	7	21	24	V	0.2	0.8	3.74	227
180970057	2011	7	22	1	V	0.1	0	3.81	236
180970057	2011	7	22	2	V	0.2	0	3.23	240
180970057	2011	7	22	3	V	0.2	0	3.25	245
180970057	2011	7	22	4	V	0.2	0	3.29	241
180970057	2011	7	22	5	V	0.5	0	2.91	245
180970057	2011	7	22	6	V	4.5	0	3.08	216
180970057	2011	7	22	7	V	5.5	0	2.84	220
180970057	2011	7	22	8	V	0.6	0.4	3.61	234
180970057	2011	7	22	9	V	0.8	0.9	4.12	232
180970057	2011	7	22	10	V	3.2	0.7	4.07	220
180970057	2011	7	22	11	V	3.1	0.5	4.63	218
180970057	2011	7	22	12	V	3.6	0	5.43	215
180970057	2011	7	22	13	V	2.3	0.1	5.62	218
180970057	2011	7	22	14	V	2.8	0.6	5.89	216
180970057	2011	7	22	15	V	0.6	0	4.92	235
180970057	2011	7	22	16	V	0.5	0	5.14	229
180970057	2011	7	22	17	V	2.4	0	5.46	214
180970057	2011	7	22	18	V	1.1	0	5.21	210
180970057	2011	7	22	19	V	0.5	0	5.43	208
180970057	2011	7	22	20	V	0.8	0	5.09	207
180970057	2011	7	22	21	V	0.4	0	3.49	209
180970057	2011	7	22	22	V	8.1	0	3.22	184
180970057	2011	7	22	23	V	59.6	0	3.46	194
180970057	2011	7	22	24	V	3.1	0	3.75	204
180970057	2011	7	23	1	V	0.04	0	3.46	217
180970057	2011	7	23	2	V	0.04	0	3.4	224
180970057	2011	7	23	3	V	0.04	0	3.35	223
180970057	2011	7	23	4	V	0.05	0	2.86	226

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	23	5	V	0.5	0	2.42	229
180970057	2011	7	23	6	V	45.5	0	2.76	190
180970057	2011	7	23	7	V	39.5	0.4	3.17	198
180970057	2011	7	23	8	V	0.6	2.6	2.86	237
180970057	2011	7	23	9	V	0.7	2.6	3.86	230
180970057	2011	7	23	10	V	3.3	1	4.9	215
180970057	2011	7	23	11	V	2.6	1.1	5.39	214
180970057	2011	7	23	12	V	1.1	2.4	5.55	222
180970057	2011	7	23	13	V	6.0	1.4	5.36	211
180970057	2011	7	23	14	V	0.5	0.5	5.99	220
180970057	2011	7	23	15	V	0.3	0	6.91	228
180970057	2011	7	23	16	V	0.3	0	6.4	220
180970057	2011	7	23	17	V	0.3	0	6.62	236
180970057	2011	7	23	18	V	0.1	0	6.75	233
180970057	2011	7	23	19	V	0.06	0	6.52	221
180970057	2011	7	23	20	V	0.4	0	4.89	210
180970057	2011	7	23	21	V	2.2	0	4.76	205
180970057	2011	7	23	22	V	0.1	2.7	4.02	216
180970057	2011	7	23	23	V	0.2	5	3.63	225
180970057	2011	7	23	24	V	0.8	2.2	3.46	239
180970057	2011	7	24	1	V	0.06	0	3.24	224
180970057	2011	7	24	2	V	0.04	0	3.07	224
180970057	2011	7	24	3	V	0.1	0	2.76	234
180970057	2011	7	24	4	V	0.3	0	2.23	246
180970057	2011	7	24	5	V	25.2	0	2.32	184
180970057	2011	7	24	6	V	6.9	1.5	2.16	217
180970057	2011	7	24	7	V	0.8	1.8	3.1	141
180970057	2011	7	24	8	V	29.6	4.4	4.09	189
180970057	2011	7	24	9	V	1.8	5.3	3.73	217
180970057	2011	7	24	10	V	0.6	3.3	4.71	225
180970057	2011	7	24	11	V	0.5	1.3	4.94	240
180970057	2011	7	24	12	V	0.4	0.2	4.7	264
180970057	2011	7	24	13	V	0.08	0	8.85	307
180970057	2011	7	24	14	V	0.2	0	4.77	349
180970057	2011	7	24	15	V	1.1	0	2.71	79
180970057	2011	7	24	16	V	22.5	0	2.95	197
180970057	2011	7	24	17	V	0.2	3.9	3.66	220
180970057	2011	7	24	18	V	0.3	0.8	5.34	282
180970057	2011	7	24	19	V	0.2	0	1.82	302
180970057	2011	7	24	20	V	0.09	0	2.45	317
180970057	2011	7	24	21	V	0.07	0	2.76	336
180970057	2011	7	24	22	V	0.2	0	1.67	321
180970057	2011	7	24	23	V	0.05	0	2.44	294
180970057	2011	7	24	24	V	0.05	0	2.2	291
180970057	2011	7	25	1	V	0.8	0	2.69	276
180970057	2011	7	25	2	V	0.04	0	2.74	302

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	25	3	V	0.03	0	3.47	312
180970057	2011	7	25	4	V	0.04	0	2.76	332
180970057	2011	7	25	5	V	0.1	0	2.89	343
180970057	2011	7	25	6	V	0.7	0	2.22	319
180970057	2011	7	25	7	V	1.1	0	2.62	303
180970057	2011	7	25	8	V	0.2	0	3.54	322
180970057	2011	7	25	9	V	0.2	0	3.93	320
180970057	2011	7	25	10	V	0.3	0	3.93	338
180970057	2011	7	25	11	V	0.3	0	4.02	329
180970057	2011	7	25	12	V	0.2	0	5.19	339
180970057	2011	7	25	13	V	0.3	0	4.95	345
180970057	2011	7	25	14	V	0.2	0	5.07	352
180970057	2011	7	25	15	V	0.3	0	4.7	339
180970057	2011	7	25	16	V	0.3	0	4.29	323
180970057	2011	7	25	17	V	0.2	0	4.26	335
180970057	2011	7	25	18	V	0.05	0	4.73	328
180970057	2011	7	25	19	V	0.02	0	4.66	334
180970057	2011	7	25	20	V	0.02	0	4.85	351
180970057	2011	7	25	21	V	0.03	0	3.85	335
180970057	2011	7	25	22	V	0.03	0	2.88	353
180970057	2011	7	25	23	V	0.07	0	2.25	337
180970057	2011	7	25	24	V	0.1	0	1.99	302
180970057	2011	7	26	1	V	1.3	0	1.79	274
180970057	2011	7	26	2	V	0.5	0	1.5	281
180970057	2011	7	26	3	V	1.1	0	1.33	278
180970057	2011	7	26	4	V	1.4	0	1.53	262
180970057	2011	7	26	5	V	0.5	0	2.03	245
180970057	2011	7	26	6	V	2.2	0	1.7	258
180970057	2011	7	26	7	V	1.7	0	1.88	255
180970057	2011	7	26	8	V	1.2	0	2.16	249
180970057	2011	7	26	9	V	0.8	0	3	257
180970057	2011	7	26	10	V	0.6	0	3.42	296
180970057	2011	7	26	11	V	0.5	0	3.17	311
180970057	2011	7	26	12	V	0.8	0	2.61	300
180970057	2011	7	26	13	V	0.5	0	3.49	303
180970057	2011	7	26	14	V	0.4	0	3.97	299
180970057	2011	7	26	15	V	0.6	0	3.12	328
180970057	2011	7	26	16	V	0.3	0	3.78	316
180970057	2011	7	26	17	V	0.2	0	3.83	329
180970057	2011	7	26	18	V	0.06	0	4.41	316
180970057	2011	7	26	19	V	0.04	0	4.09	300
180970057	2011	7	26	20	V	0.05	0	2.62	313
180970057	2011	7	26	21	V	0.09	0	2.18	325
180970057	2011	7	26	22	V	0.2	0	1.69	359
180970057	2011	7	26	23	V	2.3	-999	1.01	274
180970057	2011	7	26	24	V	32.4	0	0.8	37

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	27	1	V	6.4	0	1.42	206
180970057	2011	7	27	2	V	0.3	0	1.4	75
180970057	2011	7	27	3	V	0.3	0	1.91	64
180970057	2011	7	27	4	V	1.9	0	2.39	56
180970057	2011	7	27	5	V	0.2	0	2.71	81
180970057	2011	7	27	6	V	0.3	0	3.29	92
180970057	2011	7	27	7	V	0.4	1.5	3.46	114
180970057	2011	7	27	8	V	0.2	0	3.92	133
180970057	2011	7	27	9	V	0.6	0	3.42	150
180970057	2011	7	27	10	V	3.9	0	4.02	170
180970057	2011	7	27	11	V	9.1	7.5	4.39	178
180970057	2011	7	27	12	V	18.9	19.3	4.36	193
180970057	2011	7	27	13	V	16.7	6.7	5.19	195
180970057	2011	7	27	14	V	2.5	0.8	6.96	174
180970057	2011	7	27	15	V	12.5	0	4.36	180
180970057	2011	7	27	16	V	24.7	0	6.06	197
180970057	2011	7	27	17	V	19.4	0	5.87	201
180970057	2011	7	27	18	V	0.4	0	5.96	211
180970057	2011	7	27	19	V	0.1	0	5.38	214
180970057	2011	7	27	20	V	2.5	0	4.07	207
180970057	2011	7	27	21	V	64.6	0	4.05	193
180970057	2011	7	27	22	V	16.9	1.3	4.22	184
180970057	2011	7	27	23	V	63.0	0.1	3.71	190
180970057	2011	7	27	24	V	64.4	1.7	3.98	193
180970057	2011	7	28	1	V	29.1	0.7	3.2	199
180970057	2011	7	28	2	V	58.2	1	3.34	194
180970057	2011	7	28	3	V	8.1	3.7	2.76	183
180970057	2011	7	28	4	V	23.4	2.1	2.96	199
180970057	2011	7	28	5	V	20.5	0.8	2.57	201
180970057	2011	7	28	6	V	2.3	0.2	2.69	167
180970057	2011	7	28	7	V	55.4	0	2.2	190
180970057	2011	7	28	8	V	5.5	1.5	3.32	216
180970057	2011	7	28	9	V	0.3	3	4.87	226
180970057	2011	7	28	10	V	0.4	1.4	6.28	237
180970057	2011	7	28	11	V	0.4	1.8	6.6	238
180970057	2011	7	28	12	V	0.4	0.8	7.09	237
180970057	2011	7	28	13	V	0.4	0	7.62	240
180970057	2011	7	28	14	V	0.4	0	7.31	240
180970057	2011	7	28	15	V	0.4	0	6.35	235
180970057	2011	7	28	16	V	0.3	0	5.97	227
180970057	2011	7	28	17	V	2.3	0	5.99	212
180970057	2011	7	28	18	V	0.4	0.1	6.5	210
180970057	2011	7	28	19	V	2.3	0	6.79	204
180970057	2011	7	28	20	V	0.6	1.7	4.73	208
180970057	2011	7	28	21	V	54.8	3.3	4.26	191
180970057	2011	7	28	22	V	0.08	0.9	3.05	215

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	28	23	V	0.4	0	3.32	209
180970057	2011	7	28	24	V	0.6	2	3.97	208
180970057	2011	7	29	1	V	0.07	1.9	3.35	214
180970057	2011	7	29	2	V	0.2	0.9	3.59	211
180970057	2011	7	29	3	V	0.06	0.6	3.46	215
180970057	2011	7	29	4	V	0.03	0.4	3.34	224
180970057	2011	7	29	5	V	0.7	0.2	3.78	213
180970057	2011	7	29	6	V	0.3	0	4.46	240
180970057	2011	7	29	7	V	0.3	0	4.68	233
180970057	2011	7	29	8	V	0.3	0.2	4.88	233
180970057	2011	7	29	9	V	0.4	1.2	6.67	238
180970057	2011	7	29	10	V	0.4	0.6	8.23	242
180970057	2011	7	29	11	V	0.2	0.2	7.88	277
180970057	2011	7	29	12	V	0.4	0	4.76	272
180970057	2011	7	29	13	V	0.9	0	3.06	302
180970057	2011	7	29	14	V	2.2	0	1.88	249
180970057	2011	7	29	15	V	7.8	0	2.86	213
180970057	2011	7	29	16	V	0.6	0	4.65	243
180970057	2011	7	29	17	V	0.2	0	5.26	311
180970057	2011	7	29	18	V	1.0	0	4.71	254
180970057	2011	7	29	19	V	0.09	0	2.28	290
180970057	2011	7	29	20	V	86.0	0	2.56	192
180970057	2011	7	29	21	V	0.4	0	1.65	27
180970057	2011	7	29	22	V	0.2	0	1.77	13
180970057	2011	7	29	23	V	8.5	0	3.3	47
180970057	2011	7	29	24	V	0.07	0	2.69	329
180970057	2011	7	30	1	V	0.09	0	2.44	9
180970057	2011	7	30	2	V	0.1	0	2.08	65
180970057	2011	7	30	3	V	0.07	0	2.32	114
180970057	2011	7	30	4	V	0.08	0	2.22	29
180970057	2011	7	30	5	V	4.6	0	2.1	172
180970057	2011	7	30	6	V	35.2	0	1.28	208
180970057	2011	7	30	7	V	10.5	0	1.01	312
180970057	2011	7	30	8	V	6.4	0	1.26	338
180970057	2011	7	30	9	V	12.8	0.1	1.11	21
180970057	2011	7	30	10	V	13.7	2.1	0.99	88
180970057	2011	7	30	11	V	7.7	1.2	1.31	19
180970057	2011	7	30	12	V	12.9	0.3	1.62	195
180970057	2011	7	30	13	V	3.5	3.9	1.72	262
180970057	2011	7	30	14	V	1.6	3.6	2.08	276
180970057	2011	7	30	15	V	1.6	3	2.04	246
180970057	2011	7	30	16	V	0.5	4.5	2.64	277
180970057	2011	7	30	17	V	0.2	0.8	3.69	296
180970057	2011	7	30	18	V	0.06	0	4.39	111
180970057	2011	7	30	19	V	0.08	0	3.13	150
180970057	2011	7	30	20	V	0.4	0	1.4	111

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	7	30	21	V	0.3	0	1.67	80
180970057	2011	7	30	22	V	3.6	0	2.62	52
180970057	2011	7	30	23	V	4.3	0	2.61	52
180970057	2011	7	30	24	V	17.9	0	1.65	53
180970057	2011	7	31	1	V	0.06	0	2.72	24
180970057	2011	7	31	2	V	0.09	0	3.03	36
180970057	2011	7	31	3	V	13.4	0	2.01	52
180970057	2011	7	31	4	V	2.5	0	1.59	62
180970057	2011	7	31	5	V	0.8	0	1.96	65
180970057	2011	7	31	6	V	2.5	0	1.81	79
180970057	2011	7	31	7	V	9.0	0	1.55	77
180970057	2011	7	31	8	V	2.0	0	1.76	98
180970057	2011	7	31	9	V	1.2	1.1	2.33	114
180970057	2011	7	31	10	V	1.0	0.2	2.88	110
180970057	2011	7	31	11	V	1.8	0	2.42	128
180970057	2011	7	31	12	V	1.2	0	2.84	117
180970057	2011	7	31	13	V	1.1	0	2.96	139
180970057	2011	7	31	14	V	5.4	0	3.61	169
180970057	2011	7	31	15	V	5.5	0	3.44	169
180970057	2011	7	31	16	V	12.3	1.8	3.07	183
180970057	2011	7	31	17	V	0.6	8.6	2.73	128
180970057	2011	7	31	18	V	0.9	7.8	2.81	237
180970057	2011	7	31	19	V	0.1	0	3.3	285
180970057	2011	7	31	20	V	0.06	0	4.03	335
180970057	2011	7	31	21	V	0.05	0	2.93	351
180970057	2011	7	31	22	V	0.09	0	2.54	6
180970057	2011	7	31	23	V	23.8	0	1.77	45
180970057	2011	7	31	24	V	0.5	0	1.5	125
180970057	2011	8	1	1	V	0.3	0	1.62	136
180970057	2011	8	1	2	V	3.2	0	1.62	177
180970057	2011	8	1	3	V	1.3	0	1.18	249
180970057	2011	8	1	4	V	0.4	0	1.48	125
180970057	2011	8	1	5	V	0.5	0	1.5	242
180970057	2011	8	1	6	V	12.4	0	0.87	350
180970057	2011	8	1	7	V	13.3	0	1.16	223
180970057	2011	8	1	8	V	5.0	0.9	1.79	229
180970057	2011	8	1	9	V	1.1	0.9	3	259
180970057	2011	8	1	10	V	1.0	1.2	3.13	268
180970057	2011	8	1	11	V	0.4	5.4	4.09	284
180970057	2011	8	1	12	V	0.6	6.9	4	305
180970057	2011	8	1	13	V	0.4	4.7	4.88	294
180970057	2011	8	1	14	V	0.4	1.6	4.37	299
180970057	2011	8	1	15	V	0.4	0.6	4.56	278
180970057	2011	8	1	16	V	0.3	1.3	4.48	276
180970057	2011	8	1	17	V	0.2	0.8	4.8	295
180970057	2011	8	1	18	V	0.08	0.7	3.73	330

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	1	19	V	0.06	0.6	3.05	329
180970057	2011	8	1	20	V	0.09	0.1	2.44	3
180970057	2011	8	1	21	V	0.3	0	1.64	334
180970057	2011	8	1	22	V	3.2	0	0.89	331
180970057	2011	8	1	23	V	1.6	0	1.09	331
180970057	2011	8	1	24	V	1.1	0	1.42	230
180970057	2011	8	2	1	V	0.3	0	2.33	246
180970057	2011	8	2	2	V	0.6	0	2.37	266
180970057	2011	8	2	3	V	2.9	0	0.91	268
180970057	2011	8	2	4	V	1.4	0	1.79	262
180970057	2011	8	2	5	V	0.2	0	2.1	233
180970057	2011	8	2	6	V	17.7	0	1.37	216
180970057	2011	8	2	7	V	15.2	0	1.5	223
180970057	2011	8	2	8	V	11.7	0	2.06	215
180970057	2011	8	2	9	V	1.2	0.8	2.93	244
180970057	2011	8	2	10	V	0.6	2.5	4.2	258
180970057	2011	8	2	11	V	1.1	3.6	3.2	252
180970057	2011	8	2	12	V	0.8	2.1	3.97	233
180970057	2011	8	2	13	V	5.3	2.1	4.83	212
180970057	2011	8	2	14	V	5.4	3	5.38	210
180970057	2011	8	2	15	V	9.2	6.6	5.87	206
180970057	2011	8	2	16	V	10.3	5.2	6.28	205
180970057	2011	8	2	17	V	0.2	2.9	6.82	216
180970057	2011	8	2	18	V	0.07	2.2	6.31	216
180970057	2011	8	2	19	V	0.06	1.8	6.28	221
180970057	2011	8	2	20	V	0.08	1.4	5.46	217
180970057	2011	8	2	21	V	0.3	2.1	3.73	210
180970057	2011	8	2	22	V	11.8	4.5	5.26	199
180970057	2011	8	2	23	V	12.3	-999	5.87	197
180970057	2011	8	2	24	V	0.2	2.8	5.58	211
180970057	2011	8	3	1	V	0.04	11.5	4.99	222
180970057	2011	8	3	2	V	0.4	5.8	5.65	247
180970057	2011	8	3	3	V	0.08	1.4	3.61	22
180970057	2011	8	3	4	V	0.04	1.9	4.56	162
180970057	2011	8	3	5	V	0.4	3.1	5.33	212
180970057	2011	8	3	6	V	0.2	2.5	4.36	233
180970057	2011	8	3	7	V	1.0	1.2	3.23	257
180970057	2011	8	3	8	V	0.5	0.7	3.18	235
180970057	2011	8	3	9	V	0.8	0.7	3.44	254
180970057	2011	8	3	10	V	0.4	1.3	4.03	295
180970057	2011	8	3	11	V	0.2	0	6.01	322
180970057	2011	8	3	12	V	0.2	0	6.36	336
180970057	2011	8	3	13	V	0.1	0	7.25	337
180970057	2011	8	3	14	V	0.1	0	7.11	340
180970057	2011	8	3	15	V	0.1	0	7.5	321
180970057	2011	8	3	16	V	0.1	0	6.67	334

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	3	17	V	0.1	0	6.89	328
180970057	2011	8	3	18	V	0.04	0	7.08	342
180970057	2011	8	3	19	V	0.02	0	6.94	344
180970057	2011	8	3	20	V	0.02	0	6.72	350
180970057	2011	8	3	21	V	0.02	0	5.46	355
180970057	2011	8	3	22	V	0.03	0	4.61	356
180970057	2011	8	3	23	V	0.05	0	4.2	345
180970057	2011	8	3	24	V	0.05	0	3.52	334
180970057	2011	8	4	1	V	0.04	0	3.06	334
180970057	2011	8	4	2	V	0.04	0	3.58	353
180970057	2011	8	4	3	V	0.09	0	2.2	327
180970057	2011	8	4	4	V	0.09	0	2.23	335
180970057	2011	8	4	5	V	0.09	0	2.06	338
180970057	2011	8	4	6	V	0.6	0	2.71	340
180970057	2011	8	4	7	V	0.9	0	2.98	6
180970057	2011	8	4	8	V	14.4	0	3.39	40
180970057	2011	8	4	9	V	4.7	6.7	2.45	31
180970057	2011	8	4	10	V	4.4	2.3	2.23	53
180970057	2011	8	4	11	V	4.6	1.9	1.72	62
180970057	2011	8	4	12	V	2.5	1.6	1.76	340
180970057	2011	8	4	13	V	1.0	0	3.01	327
180970057	2011	8	4	14	V	0.5	0	3.51	1
180970057	2011	8	4	15	V	0.9	0.4	2.88	332
180970057	2011	8	4	16	V	0.8	0	2.79	343
180970057	2011	8	4	17	V	1.2	0	3.69	21
180970057	2011	8	4	18	V	0.1	0.2	3.47	8
180970057	2011	8	4	19	V	1.9	0	4.63	43
180970057	2011	8	4	20	V	0.04	0	4.8	69
180970057	2011	8	4	21	V	0.06	0	4	67
180970057	2011	8	4	22	V	1.0	4.8	3.2	38
180970057	2011	8	4	23	V	0.06	0	3.1	16
180970057	2011	8	4	24	V	0.5	0	3.44	38
180970057	2011	8	5	1	V	0.1	0	3.68	31
180970057	2011	8	5	2	V	4.9	0	2.67	44
180970057	2011	8	5	3	V	6.4	0	2.91	45
180970057	2011	8	5	4	V	0.05	0	2.84	81
180970057	2011	8	5	5	V	0.2	0	2.79	78
180970057	2011	8	5	6	V	0.3	0	3.51	90
180970057	2011	8	5	7	V	1.4	0.3	2.59	105
180970057	2011	8	5	8	V	0.5	2.6	3.22	116
180970057	2011	8	5	9	V	0.4	1.9	3.34	130
180970057	2011	8	5	10	V	0.3	1	3.66	131
180970057	2011	8	5	11	V	0.6	0.8	3.28	121
180970057	2011	8	5	12	V	0.4	1.5	3.98	147
180970057	2011	8	5	13	V	0.4	1.4	4.14	147
180970057	2011	8	5	14	V	1.0	0.2	4.07	162

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	5	15	V	19.3	0	2.93	187
180970057	2011	8	5	16	V	22.0	0.3	3.56	199
180970057	2011	8	5	17	V	8.7	3.4	3.69	179
180970057	2011	8	5	18	V	0.5	1.5	3.56	227
180970057	2011	8	5	19	V	1.0	0.9	3.88	253
180970057	2011	8	5	20	V	0.1	1	2.54	218
180970057	2011	8	5	21	V	0.4	0.4	2.33	177
180970057	2011	8	5	22	V	0.06	0.4	3.25	169
180970057	2011	8	5	23	V	81.5	0	2.67	194
180970057	2011	8	5	24	V	0.4	0	2.3	228
180970057	2011	8	6	1	V	0.3	0	2.2	238
180970057	2011	8	6	2	V	1.1	0	1.21	234
180970057	2011	8	6	3	V	69.2	0	2.04	194
180970057	2011	8	6	4	V	31.1	0	1.5	201
180970057	2011	8	6	5	V	16.5	1.2	1.99	202
180970057	2011	8	6	6	V	0.7	0.2	3.42	223
180970057	2011	8	6	7	V	0.5	0	3.66	247
180970057	2011	8	6	8	V	5.1	0	3	215
180970057	2011	8	6	9	V	19.3	0	3.13	208
180970057	2011	8	6	10	V	5.1	0	4.76	211
180970057	2011	8	6	11	V	0.2	0.8	6.41	225
180970057	2011	8	6	12	V	0.2	0	6.21	224
180970057	2011	8	6	13	V	3.0	0	7.54	210
180970057	2011	8	6	14	V	0.6	2.7	6.69	216
180970057	2011	8	6	15	V	0.5	2	6.11	217
180970057	2011	8	6	16	V	0.1	0	5.9	223
180970057	2011	8	6	17	V	0.09	0	6.4	218
180970057	2011	8	6	18	V	0.08	0	6.4	221
180970057	2011	8	6	19	V	0.08	0	6.02	216
180970057	2011	8	6	20	V	0.1	0	4.66	216
180970057	2011	8	6	21	V	0.2	0	3.44	214
180970057	2011	8	6	22	V	60.0	1.2	3.06	190
180970057	2011	8	6	23	V	1.2	1.1	4.24	209
180970057	2011	8	6	24	V	0.1	0	3.74	219
180970057	2011	8	7	1	V	0.3	0	3.49	245
180970057	2011	8	7	2	V	0.5	0	4.14	250
180970057	2011	8	7	3	V	0.3	0	3	245
180970057	2011	8	7	4	V	0.2	0	2.1	237
180970057	2011	8	7	5	V	0.2	0	3.47	222
180970057	2011	8	7	6	V	0.3	0	4.61	215
180970057	2011	8	7	7	V	0.4	0	3.39	229
180970057	2011	8	7	8	V	6.6	0	2.55	215
180970057	2011	8	7	9	V	1.0	0	3.37	238
180970057	2011	8	7	10	V	0.9	0	3.61	244
180970057	2011	8	7	11	V	1.2	0	4.08	225
180970057	2011	8	7	12	V	0.4	0	5.58	226

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	7	13	V	0.3	0	6.53	227
180970057	2011	8	7	14	V	0.3	0	6.92	232
180970057	2011	8	7	15	V	0.5	0	7.57	242
180970057	2011	8	7	16	V	0.2	0	5.63	329
180970057	2011	8	7	17	V	6.2	0	2.76	33
180970057	2011	8	7	18	V	0.8	0	1.96	32
180970057	2011	8	7	19	C	-999	2.5	0	0
180970057	2011	8	7	20	V	0.06	0.5	3.35	289
180970057	2011	8	7	21	V	0.2	0	4.34	283
180970057	2011	8	7	22	V	0.04	0	3.2	301
180970057	2011	8	7	23	V	0.2	0	1.76	298
180970057	2011	8	7	24	V	1.3	0	2.47	261
180970057	2011	8	8	1	V	1.0	0	2.57	257
180970057	2011	8	8	2	V	0.5	0	2.3	253
180970057	2011	8	8	3	V	1.2	0	2.4	258
180970057	2011	8	8	4	V	0.4	0	1.45	290
180970057	2011	8	8	5	V	0.2	0	1.64	331
180970057	2011	8	8	6	V	2.9	0	1.53	300
180970057	2011	8	8	7	V	4.0	0	1.45	320
180970057	2011	8	8	8	V	3.6	0	1.72	348
180970057	2011	8	8	9	V	6.1	0	1.62	19
180970057	2011	8	8	10	V	5.0	0	1.59	336
180970057	2011	8	8	11	V	2.4	0	2.08	311
180970057	2011	8	8	12	V	1.5	0	2.46	288
180970057	2011	8	8	13	V	0.6	0	3.46	276
180970057	2011	8	8	14	V	0.5	0	3.54	288
180970057	2011	8	8	15	V	0.4	0	5.79	236
180970057	2011	8	8	16	V	0.1	0	5.24	335
180970057	2011	8	8	17	V	0.3	0	2.32	147
180970057	2011	8	8	18	V	0.1	0	2.91	119
180970057	2011	8	8	19	V	0.09	0	3.52	145
180970057	2011	8	8	20	V	0.2	0	4.42	174
180970057	2011	8	8	21	V	1.1	0	4.76	208
180970057	2011	8	8	22	V	0.3	0	4.2	229
180970057	2011	8	8	23	V	0.2	0	2.83	224
180970057	2011	8	8	24	V	0.9	0	4.29	209
180970057	2011	8	9	1	V	0.9	0	5.33	262
180970057	2011	8	9	2	V	0.9	0	2.96	263
180970057	2011	8	9	3	V	0.1	0	5.02	240
180970057	2011	8	9	4	V	0.8	0	5.28	258
180970057	2011	8	9	5	V	0.3	0	6.24	279
180970057	2011	8	9	6	V	0.07	0	6.4	294
180970057	2011	8	9	7	V	0.1	0	4.65	303
180970057	2011	8	9	8	V	0.2	0	5.21	285
180970057	2011	8	9	9	V	0.2	0	4.99	291
180970057	2011	8	9	10	V	0.2	0	5.41	297

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	9	11	V	0.3	0	4.75	293
180970057	2011	8	9	12	V	0.3	0	5.14	298
180970057	2011	8	9	13	V	0.3	0	5.24	297
180970057	2011	8	9	14	V	0.3	0	4.8	286
180970057	2011	8	9	15	V	0.3	0	6.14	272
180970057	2011	8	9	16	V	0.2	0	7.23	266
180970057	2011	8	9	17	V	0.2	0	8.33	265
180970057	2011	8	9	18	V	0.6	0	7.69	241
180970057	2011	8	9	19	V	0.4	0	7	276
180970057	2011	8	9	20	V	0.8	0	4.78	267
180970057	2011	8	9	21	V	0.04	0	4.65	296
180970057	2011	8	9	22	V	0.05	0	4.34	323
180970057	2011	8	9	23	V	0.04	-999	2.79	308
180970057	2011	8	9	24	V	1.4	0	1.88	260
180970057	2011	8	10	1	V	0.06	0	2.49	226
180970057	2011	8	10	2	V	0.05	0	2.76	222
180970057	2011	8	10	3	V	0.06	0	2.78	232
180970057	2011	8	10	4	V	0.1	0	3.27	237
180970057	2011	8	10	5	V	0.4	0	2.95	247
180970057	2011	8	10	6	V	1.2	0	2.59	264
180970057	2011	8	10	7	V	0.6	0	3.27	267
180970057	2011	8	10	8	V	0.3	0	4.53	281
180970057	2011	8	10	9	V	0.3	0	4.83	308
180970057	2011	8	10	10	V	0.3	0	4.95	309
180970057	2011	8	10	11	V	0.2	0	6.36	304
180970057	2011	8	10	12	V	0.1	0	7.21	305
180970057	2011	8	10	13	V	0.1	0	7.16	312
180970057	2011	8	10	14	V	0.2	0	6.47	311
180970057	2011	8	10	15	V	0.1	0	6.38	321
180970057	2011	8	10	16	V	0.1	0	6.02	334
180970057	2011	8	10	17	V	0.1	0	5.96	292
180970057	2011	8	10	18	V	0.08	0	4.24	328
180970057	2011	8	10	19	V	0.06	0	4.34	329
180970057	2011	8	10	20	V	0.05	0	4.22	357
180970057	2011	8	10	21	V	0.05	0	2.86	359
180970057	2011	8	10	22	V	0.08	0	2.52	16
180970057	2011	8	10	23	V	0.7	0.8	2.71	38
180970057	2011	8	10	24	V	0.3	0.6	3.12	38
180970057	2011	8	11	1	V	0.06	0	3.4	34
180970057	2011	8	11	2	V	0.04	0	3.03	34
180970057	2011	8	11	3	V	0.08	0	2.32	19
180970057	2011	8	11	4	V	0.07	0	2.42	30
180970057	2011	8	11	5	V	0.2	0	1.6	333
180970057	2011	8	11	6	V	4.1	0	1.33	285
180970057	2011	8	11	7	V	10.9	0	1.08	295
180970057	2011	8	11	8	V	14.4	0.3	0.62	333

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	11	9	V	2.9	0.1	2.08	74
180970057	2011	8	11	10	V	0.7	0	3.17	103
180970057	2011	8	11	11	V	3.0	0	2.79	74
180970057	2011	8	11	12	V	4.0	0	2.69	54
180970057	2011	8	11	13	V	4.1	0.7	2.74	37
180970057	2011	8	11	14	V	3.9	1.7	2.45	61
180970057	2011	8	11	15	V	0.9	0.7	2.74	114
180970057	2011	8	11	16	V	2.1	0	2.16	87
180970057	2011	8	11	17	V	7.1	0.1	3.23	60
180970057	2011	8	11	18	V	4.4	0.2	3.83	51
180970057	2011	8	11	19	V	0.6	0	4.46	56
180970057	2011	8	11	20	V	0.05	0	4.19	89
180970057	2011	8	11	21	V	0.05	0	3.1	104
180970057	2011	8	11	22	V	0.09	0	2.42	95
180970057	2011	8	11	23	V	0.1	0	2.16	101
180970057	2011	8	11	24	V	0.1	0	2.03	105
180970057	2011	8	12	1	V	0.2	0	1.76	99
180970057	2011	8	12	2	V	0.1	0	2.01	111
180970057	2011	8	12	3	V	0.6	0	1.37	170
180970057	2011	8	12	4	V	9.0	0	0.77	170
180970057	2011	8	12	5	V	0.1	0	1.79	94
180970057	2011	8	12	6	V	3.0	0	1.47	109
180970057	2011	8	12	7	V	16.0	0	0.91	131
180970057	2011	8	12	8	V	1.7	0.4	2.16	115
180970057	2011	8	12	9	V	0.7	1	3.03	141
180970057	2011	8	12	10	V	0.6	5.2	3.86	147
180970057	2011	8	12	11	V	0.8	2.1	3.32	137
180970057	2011	8	12	12	V	2.3	0	2.28	92
180970057	2011	8	12	13	V	1.3	5.8	2.66	249
180970057	2011	8	12	14	V	1.2	8.4	2.57	107
180970057	2011	8	12	15	V	1.1	1.7	2.96	156
180970057	2011	8	12	16	V	12.1	1.4	3.44	181
180970057	2011	8	12	17	V	20.2	10.2	2.84	189
180970057	2011	8	12	18	V	0.1	6.5	2.45	169
180970057	2011	8	12	19	V	0.2	2.2	3.39	225
180970057	2011	8	12	20	V	1.0	0.5	2.83	254
180970057	2011	8	12	21	V	27.0	0	2.56	200
180970057	2011	8	12	22	V	0.08	1	2.73	164
180970057	2011	8	12	23	V	0.2	1.9	1.81	173
180970057	2011	8	12	24	V	0.05	1.9	2.67	143
180970057	2011	8	13	1	V	0.04	1.4	2.78	134
180970057	2011	8	13	2	V	0.05	1.1	3.22	158
180970057	2011	8	13	3	V	1.4	0.9	0.86	281
180970057	2011	8	13	4	V	0.4	0.4	1.37	117
180970057	2011	8	13	5	V	0.2	0	1.69	120
180970057	2011	8	13	6	V	5.6	0	1.16	117

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	13	7	V	2.2	0	1.79	141
180970057	2011	8	13	8	V	6.7	2.1	1.33	148
180970057	2011	8	13	9	V	17.6	11	2.69	198
180970057	2011	8	13	10	V	1.6	6.6	3.68	225
180970057	2011	8	13	11	V	0.6	5.3	4.19	244
180970057	2011	8	13	12	V	1.3	2.5	4.24	226
180970057	2011	8	13	13	V	2.1	1.8	4.51	221
180970057	2011	8	13	14	V	0.6	0.8	4.29	248
180970057	2011	8	13	15	V	0.6	0.2	4.65	239
180970057	2011	8	13	16	V	0.6	0	4.32	230
180970057	2011	8	13	17	V	2.2	0.6	4.14	215
180970057	2011	8	13	18	V	0.2	0	4.83	229
180970057	2011	8	13	19	V	0.07	0.1	5.24	219
180970057	2011	8	13	20	V	0.7	0	6.58	250
180970057	2011	8	13	21	V	0.03	0	6.64	348
180970057	2011	8	13	22	V	0.07	0	3.83	358
180970057	2011	8	13	23	V	0.1	0	1.62	17
180970057	2011	8	13	24	V	0.05	0	2.78	155
180970057	2011	8	14	1	V	0.2	0	2.61	209
180970057	2011	8	14	2	V	0.04	0	2.78	218
180970057	2011	8	14	3	V	0.2	0	2.5	249
180970057	2011	8	14	4	V	0.2	0	2.35	237
180970057	2011	8	14	5	V	0.3	0	2.95	243
180970057	2011	8	14	6	V	0.6	0	2.81	271
180970057	2011	8	14	7	V	0.2	0	4	315
180970057	2011	8	14	8	V	0.2	0	4.37	318
180970057	2011	8	14	9	V	0.4	0	2.91	317
180970057	2011	8	14	10	V	0.2	0	3.73	317
180970057	2011	8	14	11	V	0.1	0	4.99	319
180970057	2011	8	14	12	V	0.1	0	4.94	310
180970057	2011	8	14	13	V	0.2	0	5.31	322
180970057	2011	8	14	14	V	0.1	0	6.01	340
180970057	2011	8	14	15	V	0.1	0	6.01	311
180970057	2011	8	14	16	V	0.2	0	4.68	322
180970057	2011	8	14	17	V	0.09	0	6.07	336
180970057	2011	8	14	18	V	0.02	0	7.14	334
180970057	2011	8	14	19	V	0.02	0	7.2	344
180970057	2011	8	14	20	V	0.02	0	5.09	340
180970057	2011	8	14	21	V	0.03	0	4.95	336
180970057	2011	8	14	22	V	0.02	0	5.48	335
180970057	2011	8	14	23	V	0.03	0	4.54	323
180970057	2011	8	14	24	V	0.03	0	5.11	327
180970057	2011	8	15	1	V	0.02	0	5.55	339
180970057	2011	8	15	2	V	0.03	0	4.14	345
180970057	2011	8	15	3	V	0.04	0	3.9	336
180970057	2011	8	15	4	V	0.03	0	3.37	352

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	15	5	V	0.06	0	3.56	347
180970057	2011	8	15	6	V	0.4	0	3.24	354
180970057	2011	8	15	7	V	0.9	0	2.44	344
180970057	2011	8	15	8	V	0.3	0	3.73	351
180970057	2011	8	15	9	V	1.4	0	3.97	19
180970057	2011	8	15	10	V	3.1	0	3.46	24
180970057	2011	8	15	11	V	0.4	0	3.86	5
180970057	2011	8	15	12	V	0.2	0	4.85	352
180970057	2011	8	15	13	V	0.3	0	4.6	1
180970057	2011	8	15	14	V	0.2	0	5.16	338
180970057	2011	8	15	15	V	0.2	0	5.33	334
180970057	2011	8	15	16	V	0.2	0	4.74	342
180970057	2011	8	15	17	V	0.1	0	4.77	358
180970057	2011	8	15	18	V	0.04	0	4.9	339
180970057	2011	8	15	19	V	0.03	0	5.1	337
180970057	2011	8	15	20	V	0.05	0	3.51	341
180970057	2011	8	15	21	V	0.07	0	2.59	350
180970057	2011	8	15	22	V	0.1	0	2.15	338
180970057	2011	8	15	23	V	0.03	0	2.91	340
180970057	2011	8	15	24	V	0.03	0	2.86	360
180970057	2011	8	16	1	V	0.1	0	1.94	12
180970057	2011	8	16	2	V	0.6	0	1.25	359
180970057	2011	8	16	3	V	0.5	0	1.3	341
180970057	2011	8	16	4	V	0.2	0	1.7	331
180970057	2011	8	16	5	V	0.1	0	1.79	336
180970057	2011	8	16	6	V	4.2	0	1.13	349
180970057	2011	8	16	7	V	4.4	0	1.48	343
180970057	2011	8	16	8	V	4.6	0	1.74	22
180970057	2011	8	16	9	V	5.0	0.2	2.35	42
180970057	2011	8	16	10	V	3.4	0	1.79	90
180970057	2011	8	16	11	V	10.6	0.7	1.82	192
180970057	2011	8	16	12	V	9.7	19.5	2.33	210
180970057	2011	8	16	13	V	4.9	21.4	2.47	221
180970057	2011	8	16	14	V	9.3	12.6	2.54	211
180970057	2011	8	16	15	V	1.7	17.3	2.4	232
180970057	2011	8	16	16	V	0.6	3	3.49	249
180970057	2011	8	16	17	V	0.7	2.8	1.96	256
180970057	2011	8	16	18	V	60.4	16.3	2.69	189
180970057	2011	8	16	19	V	6.1	18.1	3.3	182
180970057	2011	8	16	20	V	0.3	2.7	2.35	177
180970057	2011	8	16	21	V	0.08	0.1	2.57	159
180970057	2011	8	16	22	V	4.0	0	3.13	183
180970057	2011	8	16	23	V	2.7	-999	0.99	241
180970057	2011	8	16	24	V	6.7	0	0.74	247
180970057	2011	8	17	1	V	1.7	0	1.09	251
180970057	2011	8	17	2	C	-999	0	0	0

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	17	3	V	1.0	0	1.11	113
180970057	2011	8	17	4	V	0.1	0	2.16	106
180970057	2011	8	17	5	V	0.2	0	1.79	97
180970057	2011	8	17	6	V	3.9	0	1.25	100
180970057	2011	8	17	7	V	1.1	0	2.37	102
180970057	2011	8	17	8	V	4.2	1.2	1.57	105
180970057	2011	8	17	9	V	2.9	1.2	1.89	117
180970057	2011	8	17	10	V	2.5	3.2	2.4	154
180970057	2011	8	17	11	V	7.5	6.3	3.59	174
180970057	2011	8	17	12	V	14.2	23.2	3.44	183
180970057	2011	8	17	13	V	13.3	9	3.75	185
180970057	2011	8	17	14	V	14.7	3.3	3.93	184
180970057	2011	8	17	15	V	11.6	2.2	3.56	202
180970057	2011	8	17	16	V	5.5	5.9	3.05	170
180970057	2011	8	17	17	V	7.1	3.6	3.46	210
180970057	2011	8	17	18	V	36.9	4.3	3.01	198
180970057	2011	8	17	19	V	1.3	2.7	3.18	207
180970057	2011	8	17	20	V	46.9	2.2	2.69	188
180970057	2011	8	17	21	V	71.0	1.1	2.74	195
180970057	2011	8	17	22	V	1.0	0	2.61	206
180970057	2011	8	17	23	V	2.5	0	1.43	245
180970057	2011	8	17	24	V	0.5	0	1.48	222
180970057	2011	8	18	1	V	2.8	0	0.94	257
180970057	2011	8	18	2	V	0.09	0	2.06	165
180970057	2011	8	18	3	V	0.7	0	1.6	174
180970057	2011	8	18	4	V	5.5	0	1.04	173
180970057	2011	8	18	5	V	4.6	0	0.74	138
180970057	2011	8	18	6	V	3.1	0	1.2	141
180970057	2011	8	18	7	V	18.0	0	0.91	104
180970057	2011	8	18	8	V	1.0	0	2.22	134
180970057	2011	8	18	9	V	1.2	-999	2.16	128
180970057	2011	8	18	10	V	12.6	-999	2.55	183
180970057	2011	8	18	11	V	7.5	86.7	2.01	183
180970057	2011	8	18	12	V	6.5	20.8	2.25	182
180970057	2011	8	18	13	V	9.8	16.5	2.79	182
180970057	2011	8	18	14	V	12.2	28.6	3.23	199
180970057	2011	8	18	15	V	0.7	3.6	3.76	228
180970057	2011	8	18	16	V	0.5	4.2	3.23	277
180970057	2011	8	18	17	V	0.2	2.4	3.54	292
180970057	2011	8	18	18	V	0.07	1.1	2.96	309
180970057	2011	8	18	19	V	0.07	0.6	4.02	332
180970057	2011	8	18	20	V	0.07	0.3	3.08	9
180970057	2011	8	18	21	V	0.07	0.1	2.54	147
180970057	2011	8	18	22	V	0.2	0	2.73	178
180970057	2011	8	18	23	V	76.8	0	1.89	195
180970057	2011	8	18	24	V	1.8	0	1.08	280

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	19	1	V	0.4	0	1.45	292
180970057	2011	8	19	2	V	0.4	0	2.03	209
180970057	2011	8	19	3	V	0.06	0	2.28	147
180970057	2011	8	19	4	V	18.3	0	1.88	201
180970057	2011	8	19	5	V	0.3	0	1.94	241
180970057	2011	8	19	6	V	1.7	0	1.82	225
180970057	2011	8	19	7	V	2.6	0	1.69	257
180970057	2011	8	19	8	V	24.9	0.1	0.75	121
180970057	2011	8	19	9	V	1.5	0.6	1.96	151
180970057	2011	8	19	10	V	5.5	1.8	1.2	119
180970057	2011	8	19	11	V	4.1	2.2	1.45	122
180970057	2011	8	19	12	V	6.0	33.9	1.77	163
180970057	2011	8	19	13	V	13.0	63	2.88	195
180970057	2011	8	19	14	V	3.8	9.7	3.81	213
180970057	2011	8	19	15	V	10.0	7.2	1.94	207
180970057	2011	8	19	16	V	10.9	49.2	1.71	193
180970057	2011	8	19	17	V	11.9	48.6	1.91	181
180970057	2011	8	19	18	V	0.06	20	2.64	167
180970057	2011	8	19	19	V	0.07	2.7	2.52	172
180970057	2011	8	19	20	V	0.4	0.8	1.4	4
180970057	2011	8	19	21	V	0.08	1	2.74	118
180970057	2011	8	19	22	V	0.07	0.2	2.78	167
180970057	2011	8	19	23	V	0.04	0	2.79	166
180970057	2011	8	19	24	V	7.9	0	1.67	205
180970057	2011	8	20	1	V	1.1	0	1.71	210
180970057	2011	8	20	2	V	21.7	0	1.52	183
180970057	2011	8	20	3	V	0.4	0	1.62	233
180970057	2011	8	20	4	V	6.8	0	1.38	208
180970057	2011	8	20	5	V	1.6	0	1.26	257
180970057	2011	8	20	6	V	20.7	0	0.89	225
180970057	2011	8	20	7	V	29.2	0	0.57	318
180970057	2011	8	20	8	V	13.3	0	0.96	241
180970057	2011	8	20	9	V	1.5	0	2.5	251
180970057	2011	8	20	10	V	0.8	0.5	2.9	228
180970057	2011	8	20	11	V	18.7	2.7	2.38	183
180970057	2011	8	20	12	V	14.2	15.6	3.51	181
180970057	2011	8	20	13	V	9.5	27	3.86	179
180970057	2011	8	20	14	V	3.9	9.2	4.26	175
180970057	2011	8	20	15	V	21.5	10.5	4.32	198
180970057	2011	8	20	16	V	20.4	7.8	2.88	195
180970057	2011	8	20	17	V	8.8	7	3.68	204
180970057	2011	8	20	18	V	2.1	2.7	3.12	207
180970057	2011	8	20	19	V	27.2	3.6	3.07	186
180970057	2011	8	20	20	V	13.6	2.1	3.13	202
180970057	2011	8	20	21	V	0.1	0.8	2.18	217
180970057	2011	8	20	22	V	0.1	0	2.57	219

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	20	23	V	1.8	0	1.79	178
180970057	2011	8	20	24	V	2.6	0	1.37	244
180970057	2011	8	21	1	V	2.0	0	0.99	238
180970057	2011	8	21	2	V	0.7	0	1.2	145
180970057	2011	8	21	3	V	0.07	0	2.89	215
180970057	2011	8	21	4	V	0.4	0	2.81	250
180970057	2011	8	21	5	V	0.05	0	3.25	300
180970057	2011	8	21	6	V	0.6	0	2.45	309
180970057	2011	8	21	7	V	5.5	0	1.37	297
180970057	2011	8	21	8	V	3.3	0	1.74	256
180970057	2011	8	21	9	V	1.5	0	1.93	341
180970057	2011	8	21	10	V	4.6	6.1	1.45	68
180970057	2011	8	21	11	V	1.0	5.9	2.49	261
180970057	2011	8	21	12	V	0.5	1	3.56	269
180970057	2011	8	21	13	V	0.3	0.1	4.85	307
180970057	2011	8	21	14	V	0.2	0	5.68	304
180970057	2011	8	21	15	V	0.1	0	7.32	346
180970057	2011	8	21	16	V	0.2	0	5	323
180970057	2011	8	21	17	V	0.1	0	5.21	313
180970057	2011	8	21	18	V	0.02	0	7.03	343
180970057	2011	8	21	19	V	0.02	0	6.75	342
180970057	2011	8	21	20	V	0.04	0	4.09	355
180970057	2011	8	21	21	V	0.04	0	4.46	11
180970057	2011	8	21	22	V	0.04	0	3.25	22
180970057	2011	8	21	23	V	0.06	0	2.64	23
180970057	2011	8	21	24	C	-999	0	0	0
180970057	2011	8	22	1	V	0.2	0	1.76	306
180970057	2011	8	22	2	C	-999	0	0	0
180970057	2011	8	22	3	C	-999	0	0	0
180970057	2011	8	22	4	C	-999	0	0	0
180970057	2011	8	22	5	V	0.8	0	1.2	285
180970057	2011	8	22	6	V	5.0	0	1.08	284
180970057	2011	8	22	7	V	10.1	0	1.08	353
180970057	2011	8	22	8	V	12.5	0	0.69	268
180970057	2011	8	22	9	V	8.5	0.6	1.65	190
180970057	2011	8	22	10	V	8.8	15.7	2.35	192
180970057	2011	8	22	11	V	2.1	12	2.27	245
180970057	2011	8	22	12	V	1.4	2.6	2.57	301
180970057	2011	8	22	13	V	0.7	3.9	3.42	341
180970057	2011	8	22	14	V	0.5	0.6	3.91	318
180970057	2011	8	22	15	V	0.4	0	4.37	326
180970057	2011	8	22	16	V	0.3	0	3.88	316
180970057	2011	8	22	17	V	0.2	0	3.83	347
180970057	2011	8	22	18	V	0.05	0	2.83	335
180970057	2011	8	22	19	V	0.07	0	2.52	336
180970057	2011	8	22	20	V	0.1	0	2.15	324

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	22	21	V	0.5	0	1.43	341
180970057	2011	8	22	22	C	-999	0	0	0
180970057	2011	8	22	23	V	0.5	0	1.43	121
180970057	2011	8	22	24	V	0.04	0	2.73	121
180970057	2011	8	23	1	V	0.3	0	1.59	140
180970057	2011	8	23	2	V	13.6	0	1.43	205
180970057	2011	8	23	3	V	64.2	0	1.64	193
180970057	2011	8	23	4	V	2.2	0	1.06	256
180970057	2011	8	23	5	V	1.2	0	1.08	225
180970057	2011	8	23	6	V	36.4	0	1.21	188
180970057	2011	8	23	7	V	5.6	0	1.38	107
180970057	2011	8	23	8	V	0.8	0.7	2.59	132
180970057	2011	8	23	9	V	8.6	2.5	2.27	179
180970057	2011	8	23	10	V	18.5	13.9	4.68	198
180970057	2011	8	23	11	V	20.0	12.1	5.46	193
180970057	2011	8	23	12	V	21.1	22.1	5.87	196
180970057	2011	8	23	13	V	8.2	3.4	4.61	206
180970057	2011	8	23	14	V	0.7	1	5.09	219
180970057	2011	8	23	15	V	0.9	3.2	2.61	228
180970057	2011	8	23	16	V	0.6	12.8	2.91	238
180970057	2011	8	23	17	V	0.05	2.9	7.76	303
180970057	2011	8	23	18	V	0.02	0	6.14	137
180970057	2011	8	23	19	V	0.05	0	4.41	167
180970057	2011	8	23	20	V	4.5	2	4.8	204
180970057	2011	8	23	21	V	49.9	5.3	3.86	190
180970057	2011	8	23	22	V	27.9	5.2	4.29	198
180970057	2011	8	23	23	V	0.4	-999	5.12	177
180970057	2011	8	23	24	V	10.3	1.4	4.36	184
180970057	2011	8	24	1	V	2.3	3.7	4.68	180
180970057	2011	8	24	2	V	23.4	11.8	4.54	195
180970057	2011	8	24	3	V	0.5	11.8	6.4	207
180970057	2011	8	24	4	V	0.04	2.2	4.56	223
180970057	2011	8	24	5	V	0.09	5.3	2.83	218
180970057	2011	8	24	6	V	31.4	6.4	2.93	190
180970057	2011	8	24	7	V	12.7	5.2	4.37	182
180970057	2011	8	24	8	V	28.8	9.6	4.12	189
180970057	2011	8	24	9	V	1.0	8.3	5.21	216
180970057	2011	8	24	10	V	0.3	4.4	7.11	235
180970057	2011	8	24	11	V	0.4	3	6.77	238
180970057	2011	8	24	12	V	0.3	2.4	7.08	231
180970057	2011	8	24	13	V	0.4	2	8	237
180970057	2011	8	24	14	V	0.3	1.5	8.4	232
180970057	2011	8	24	15	V	0.2	0.8	9.46	231
180970057	2011	8	24	16	V	0.1	0.1	9.8	224
180970057	2011	8	24	17	V	0.06	0	9.54	221
180970057	2011	8	24	18	V	0.05	0	9.2	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	24	19	V	0.05	0	8.74	217
180970057	2011	8	24	20	V	0.05	0	7.2	221
180970057	2011	8	24	21	V	0.1	0	7.65	213
180970057	2011	8	24	22	V	0.06	0	9.52	219
180970057	2011	8	24	23	V	0.7	0	7.11	248
180970057	2011	8	24	24	V	0.2	0	4.6	285
180970057	2011	8	25	1	V	0.6	0	4.58	275
180970057	2011	8	25	2	V	0.04	0	4.88	300
180970057	2011	8	25	3	V	0.05	0	4.39	307
180970057	2011	8	25	4	V	0.04	0	4.9	323
180970057	2011	8	25	5	V	0.05	0	4.61	330
180970057	2011	8	25	6	V	0.2	0	4.02	323
180970057	2011	8	25	7	V	0.5	0	3.76	327
180970057	2011	8	25	8	V	0.4	0	3.78	333
180970057	2011	8	25	9	V	0.2	0.8	5.36	334
180970057	2011	8	25	10	V	0.3	0.7	4.75	335
180970057	2011	8	25	11	V	0.4	0.1	4.12	336
180970057	2011	8	25	12	V	0.4	0.5	4.44	331
180970057	2011	8	25	13	V	0.4	0	4.51	329
180970057	2011	8	25	14	V	0.4	0	4.32	333
180970057	2011	8	25	15	V	0.4	0	4.2	354
180970057	2011	8	25	16	V	0.3	0	4.32	355
180970057	2011	8	25	17	V	0.1	0	3.93	357
180970057	2011	8	25	18	V	0.04	0	4.58	353
180970057	2011	8	25	19	V	0.02	0	5.36	340
180970057	2011	8	25	20	V	0.05	0	3.81	354
180970057	2011	8	25	21	V	0.05	0	3.83	354
180970057	2011	8	25	22	V	0.04	0	3.54	356
180970057	2011	8	25	23	V	0.03	0	4.53	5
180970057	2011	8	25	24	V	0.03	0	4.41	21
180970057	2011	8	26	1	V	0.04	0	4.12	29
180970057	2011	8	26	2	V	0.6	0	2.88	39
180970057	2011	8	26	3	V	0.1	0	2.08	13
180970057	2011	8	26	4	V	0.09	0	2.25	3
180970057	2011	8	26	5	V	0.1	0	2.03	10
180970057	2011	8	26	6	V	1.4	0	1.89	11
180970057	2011	8	26	7	V	11.5	0	2.88	34
180970057	2011	8	26	8	V	3.9	0	2.28	18
180970057	2011	8	26	9	V	8.8	0.8	1.2	25
180970057	2011	8	26	10	V	7.5	30	1.31	331
180970057	2011	8	26	11	V	2.4	8.1	2.11	343
180970057	2011	8	26	12	V	1.9	1.6	2.32	324
180970057	2011	8	26	13	V	1.2	0	2.64	340
180970057	2011	8	26	14	V	1.2	0	2.59	346
180970057	2011	8	26	15	V	0.7	0	3.08	348
180970057	2011	8	26	16	V	0.4	0	3.66	339

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	26	17	V	0.2	0	4.2	346
180970057	2011	8	26	18	V	0.04	0	4.76	329
180970057	2011	8	26	19	V	0.04	0	4.65	331
180970057	2011	8	26	20	V	0.06	0	3.95	330
180970057	2011	8	26	21	V	0.05	0	3.49	327
180970057	2011	8	26	22	V	0.06	0	3.73	342
180970057	2011	8	26	23	V	0.04	0	2.98	352
180970057	2011	8	26	24	V	0.03	0	3.13	347
180970057	2011	8	27	1	V	0.07	0	2.3	14
180970057	2011	8	27	2	V	0.07	0	1.77	351
180970057	2011	8	27	3	V	0.09	0	1.67	13
180970057	2011	8	27	4	V	0.1	0	1.6	2
180970057	2011	8	27	5	V	0.06	0	1.81	350
180970057	2011	8	27	6	V	1.6	0	1.33	6
180970057	2011	8	27	7	V	2.4	0	1.42	339
180970057	2011	8	27	8	V	4.2	0	0.97	11
180970057	2011	8	27	9	V	2.6	0.1	1.25	17
180970057	2011	8	27	10	V	3.6	0.1	2.5	26
180970057	2011	8	27	11	V	1.1	1.8	3.06	10
180970057	2011	8	27	12	V	0.2	2.4	4.14	3
180970057	2011	8	27	13	V	0.2	2.1	4	335
180970057	2011	8	27	14	V	0.2	1.5	4.32	346
180970057	2011	8	27	15	V	0.06	0.2	6.16	333
180970057	2011	8	27	16	V	0.05	0	6.52	330
180970057	2011	8	27	17	V	0.03	0	6.6	336
180970057	2011	8	27	18	V	0.01	0	6.41	338
180970057	2011	8	27	19	V	0.01	0	5.48	347
180970057	2011	8	27	20	V	0.02	0	3.93	354
180970057	2011	8	27	21	V	0.01	0	5.58	359
180970057	2011	8	27	22	V	0.01	0	6.3	336
180970057	2011	8	27	23	V	0.01	0	5.82	339
180970057	2011	8	27	24	V	0.01	0	4.83	344
180970057	2011	8	28	1	V	0.01	0	4.66	342
180970057	2011	8	28	2	V	0.01	0	5.39	352
180970057	2011	8	28	3	V	0.01	0	4.87	357
180970057	2011	8	28	4	V	0.01	0	4.65	360
180970057	2011	8	28	5	V	0.01	0	3.18	354
180970057	2011	8	28	6	V	0.2	0	2.67	347
180970057	2011	8	28	7	V	0.5	0	2.64	333
180970057	2011	8	28	8	V	0.2	0	3.52	358
180970057	2011	8	28	9	V	1.0	0	3.74	16
180970057	2011	8	28	10	V	1.0	0	3.03	8
180970057	2011	8	28	11	V	0.4	0	3.97	6
180970057	2011	8	28	12	V	1.7	0	4.37	20
180970057	2011	8	28	13	V	0.1	0	4.97	347
180970057	2011	8	28	14	V	0.1	0	4.95	353

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	28	15	V	0.1	0	4.8	345
180970057	2011	8	28	16	V	0.08	0	5.31	339
180970057	2011	8	28	17	V	0.04	0	5.56	341
180970057	2011	8	28	18	V	0.01	0	5.62	343
180970057	2011	8	28	19	V	0.01	0	4.66	360
180970057	2011	8	28	20	V	0.02	0	3.27	359
180970057	2011	8	28	21	V	0.02	0	2.33	360
180970057	2011	8	28	22	V	0.01	0	3.35	359
180970057	2011	8	28	23	V	0.01	0	5.26	355
180970057	2011	8	28	24	V	0.02	0	4	359
180970057	2011	8	29	1	V	0.02	0	4.1	24
180970057	2011	8	29	2	V	0.04	0	4.05	28
180970057	2011	8	29	3	V	1.1	0.1	4.02	36
180970057	2011	8	29	4	V	8.3	0	3.56	47
180970057	2011	8	29	5	V	3.3	0	3.25	55
180970057	2011	8	29	6	V	0.07	0	4.07	80
180970057	2011	8	29	7	V	0.4	0	3.51	79
180970057	2011	8	29	8	V	0.1	0	4.31	85
180970057	2011	8	29	9	V	0.2	0.2	4.43	90
180970057	2011	8	29	10	V	0.2	0	4.37	92
180970057	2011	8	29	11	V	0.4	0.3	3.85	88
180970057	2011	8	29	12	V	2.9	1	2.93	71
180970057	2011	8	29	13	V	5.2	1.1	3.08	49
180970057	2011	8	29	14	V	3.9	1.4	2.91	64
180970057	2011	8	29	15	V	1.2	0	3.08	12
180970057	2011	8	29	16	V	7.6	0	3.76	58
180970057	2011	8	29	17	V	0.9	0	3.18	25
180970057	2011	8	29	18	V	0.01	0	3.88	26
180970057	2011	8	29	19	V	2.1	0	4.63	44
180970057	2011	8	29	20	V	3.9	0	4.24	49
180970057	2011	8	29	21	V	0.2	0	3.37	57
180970057	2011	8	29	22	V	1.3	0	2.96	53
180970057	2011	8	29	23	V	0.01	0	3.64	68
180970057	2011	8	29	24	V	0.01	0	3.52	74
180970057	2011	8	30	1	V	0.01	0	3.34	92
180970057	2011	8	30	2	V	0.01	0	2.79	103
180970057	2011	8	30	3	V	0.02	0	2.45	110
180970057	2011	8	30	4	V	0.04	0	1.98	90
180970057	2011	8	30	5	V	0.03	0	2.08	89
180970057	2011	8	30	6	V	0.2	0	2.28	87
180970057	2011	8	30	7	V	7.1	0	1.89	69
180970057	2011	8	30	8	V	2.0	1.7	1.74	92
180970057	2011	8	30	9	V	0.7	12.9	2.16	118
180970057	2011	8	30	10	V	0.2	10.4	3.52	135
180970057	2011	8	30	11	V	0.3	7.3	3.2	129
180970057	2011	8	30	12	V	0.3	2.6	3.08	125

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	8	30	13	V	0.4	1.8	2.84	103
180970057	2011	8	30	14	V	0.2	2.1	3.56	109
180970057	2011	8	30	15	V	0.2	2.8	3.61	119
180970057	2011	8	30	16	V	0.1	2.6	4.15	117
180970057	2011	8	30	17	V	0.06	5.6	3.46	118
180970057	2011	8	30	18	V	0.02	13.1	3.93	108
180970057	2011	8	30	19	V	0.01	14.2	4.44	104
180970057	2011	8	30	20	V	0.02	8.2	4.1	92
180970057	2011	8	30	21	V	0.02	8.1	3.68	102
180970057	2011	8	30	22	V	0.02	4.4	3.92	116
180970057	2011	8	30	23	V	0.02	-999	4.39	120
180970057	2011	8	30	24	V	0.02	2.1	4.34	126
180970057	2011	8	31	1	V	0.01	4.2	4.65	129
180970057	2011	8	31	2	V	0.02	3.6	3.17	131
180970057	2011	8	31	3	V	0.03	4.6	1.96	117
180970057	2011	8	31	4	V	0.04	4.1	2.06	11
180970057	2011	8	31	5	V	0.04	1.7	2.35	18
180970057	2011	8	31	6	V	0.2	0	2.88	91
180970057	2011	8	31	7	V	0.5	0.3	4.05	74
180970057	2011	8	31	8	V	0.9	0.3	2.98	118
180970057	2011	8	31	9	V	0.6	0.1	3.52	137
180970057	2011	8	31	10	V	0.2	0.3	4.49	124
180970057	2011	8	31	11	V	0.3	1.7	5.07	126
180970057	2011	8	31	12	V	0.5	2.3	4.87	159
180970057	2011	8	31	13	V	6.0	4.3	4.63	175
180970057	2011	8	31	14	V	12.6	34	5.48	200
180970057	2011	8	31	15	V	6.1	9.4	6.35	208
180970057	2011	8	31	16	V	0.9	3.2	7.11	214
180970057	2011	8	31	17	V	0.1	6.4	5.7	217
180970057	2011	8	31	18	V	0.08	4	6.18	214
180970057	2011	8	31	19	V	6.5	19.9	5.36	185
180970057	2011	8	31	20	V	4.4	12	4.19	182
180970057	2011	8	31	21	V	4.4	2.3	3.32	183
180970057	2011	8	31	22	V	1.0	1.5	3.9	179
180970057	2011	8	31	23	V	0.3	1.2	3.83	177
180970057	2011	8	31	24	V	0.5	0.8	3.59	179
180970057	2011	9	1	1	V	0.04	0.3	3.73	170
180970057	2011	9	1	2	V	1.1	0.1	3.42	181
180970057	2011	9	1	3	V	43.4	2	2.93	193
180970057	2011	9	1	4	V	16.4	1	3.95	199
180970057	2011	9	1	5	V	27.7	0.9	2.95	197
180970057	2011	9	1	6	V	6.4	1	2.83	211
180970057	2011	9	1	7	V	31.9	0.7	2.04	208
180970057	2011	9	1	8	V	28.0	3.9	2.76	208
180970057	2011	9	1	9	V	0.3	6.8	5.09	223
180970057	2011	9	1	10	V	0.2	5.5	6.4	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	1	11	V	0.4	4.1	7.21	243
180970057	2011	9	1	12	V	0.4	2	8.1	248
180970057	2011	9	1	13	V	0.4	0.8	7.52	239
180970057	2011	9	1	14	V	0.4	0.4	6.81	240
180970057	2011	9	1	15	V	0.2	0.3	6.79	229
180970057	2011	9	1	16	V	0.5	0.2	5.85	243
180970057	2011	9	1	17	V	0.1	0	6.09	229
180970057	2011	9	1	18	V	0.5	0	6.09	240
180970057	2011	9	1	19	V	0.4	0	5.55	237
180970057	2011	9	1	20	V	0.08	0	3.97	215
180970057	2011	9	1	21	V	0.07	0.1	3.73	219
180970057	2011	9	1	22	V	0.2	1.3	3.4	210
180970057	2011	9	1	23	V	0.07	7.3	3.52	215
180970057	2011	9	1	24	V	0.06	8	3.69	218
180970057	2011	9	2	1	V	0.06	6.2	3.12	234
180970057	2011	9	2	2	V	0.08	5.1	3.22	236
180970057	2011	9	2	3	V	0.2	4.3	2.27	236
180970057	2011	9	2	4	V	0.5	4.6	1.82	247
180970057	2011	9	2	5	V	0.2	3.2	2.64	248
180970057	2011	9	2	6	V	0.6	1.9	2.45	241
180970057	2011	9	2	7	V	1.1	1.3	2.57	246
180970057	2011	9	2	8	V	2.2	2.4	2.18	240
180970057	2011	9	2	9	V	0.8	2.6	3.97	241
180970057	2011	9	2	10	V	0.5	5.5	5.02	248
180970057	2011	9	2	11	V	0.4	1	6.6	244
180970057	2011	9	2	12	V	0.4	1.3	8.45	244
180970057	2011	9	2	13	V	0.3	0.7	7.43	253
180970057	2011	9	2	14	V	0.3	0.5	6.19	256
180970057	2011	9	2	15	V	0.4	3.6	4.85	254
180970057	2011	9	2	16	V	0.5	5.6	4.03	236
180970057	2011	9	2	17	V	0.2	3.7	3.54	235
180970057	2011	9	2	18	V	0.1	2.6	4.32	213
180970057	2011	9	2	19	V	0.2	1	3.66	210
180970057	2011	9	2	20	V	0.1	0.1	3.17	211
180970057	2011	9	2	21	V	0.9	0	1.71	236
180970057	2011	9	2	22	V	1.7	0	1.54	240
180970057	2011	9	2	23	V	1.0	0	2.23	251
180970057	2011	9	2	24	V	2.1	0	1.99	244
180970057	2011	9	3	1	V	0.7	0	1.33	229
180970057	2011	9	3	2	V	3.0	0	1.11	171
180970057	2011	9	3	3	V	6.4	0	0.69	251
180970057	2011	9	3	4	C	-999	0	0	0
180970057	2011	9	3	5	V	9.3	0	1.35	178
180970057	2011	9	3	6	V	35.0	0	0.86	200
180970057	2011	9	3	7	V	1.1	0	2.28	151
180970057	2011	9	3	8	V	19.9	0.3	2.98	178

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	3	9	V	1.9	2.3	1.98	270
180970057	2011	9	3	10	V	2.3	5.4	1.96	241
180970057	2011	9	3	11	V	1.2	6.3	2.49	259
180970057	2011	9	3	12	V	3.1	4.7	2.64	226
180970057	2011	9	3	13	V	6.0	2.6	3.57	213
180970057	2011	9	3	14	V	0.4	1.2	4.66	226
180970057	2011	9	3	15	V	0.6	0.7	4.37	244
180970057	2011	9	3	16	V	0.6	0.2	3.34	247
180970057	2011	9	3	17	V	7.5	1.4	6.33	203
180970057	2011	9	3	18	V	0.06	0.1	2.71	112
180970057	2011	9	3	19	V	0.06	0	3.12	73
180970057	2011	9	3	20	V	2.3	0.1	3.51	55
180970057	2011	9	3	21	V	0.07	0	4	103
180970057	2011	9	3	22	V	0.07	0	2.42	68
180970057	2011	9	3	23	V	0.05	0.3	4.25	338
180970057	2011	9	3	24	V	0.03	0	4.73	358
180970057	2011	9	4	1	V	0.05	0	4.61	347
180970057	2011	9	4	2	V	0.08	0	3.9	87
180970057	2011	9	4	3	V	0.3	0	2.33	35
180970057	2011	9	4	4	V	0.2	0	2.06	64
180970057	2011	9	4	5	V	0.07	0	2.35	136
180970057	2011	9	4	6	V	2.1	0	1.59	320
180970057	2011	9	4	7	V	1.1	0	2.35	257
180970057	2011	9	4	8	V	0.2	0	3.81	310
180970057	2011	9	4	9	V	0.06	0	6.4	327
180970057	2011	9	4	10	V	0.07	0	6.6	336
180970057	2011	9	4	11	V	0.1	0	4.37	325
180970057	2011	9	4	12	V	0.2	0	3.3	309
180970057	2011	9	4	13	V	0.1	0	3.95	300
180970057	2011	9	4	14	V	0.06	0	6.91	314
180970057	2011	9	4	15	V	0.08	0	5.96	309
180970057	2011	9	4	16	V	0.05	0	6.38	309
180970057	2011	9	4	17	V	0.02	0	7.32	320
180970057	2011	9	4	18	V	0.02	0	6.43	320
180970057	2011	9	4	19	V	0.02	0	5.95	323
180970057	2011	9	4	20	V	0.02	0	5.48	332
180970057	2011	9	4	21	V	0.05	0	4.02	335
180970057	2011	9	4	22	V	0.02	0	6.36	349
180970057	2011	9	4	23	V	0.02	0	6.52	6
180970057	2011	9	4	24	V	0.04	0	4.24	6
180970057	2011	9	5	1	V	0.04	0	3.39	357
180970057	2011	9	5	2	V	0.04	0	3.59	356
180970057	2011	9	5	3	V	0.04	0	3.85	332
180970057	2011	9	5	4	V	0.02	0	5.36	346
180970057	2011	9	5	5	V	0.01	0	6.18	7
180970057	2011	9	5	6	V	0.05	0	6.55	11

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	5	7	V	0.06	0	6.62	17
180970057	2011	9	5	8	V	0.05	0	7.93	17
180970057	2011	9	5	9	V	0.05	0	8.05	17
180970057	2011	9	5	10	V	0.04	0	9.41	19
180970057	2011	9	5	11	V	0.04	0	8.95	17
180970057	2011	9	5	12	V	0.04	0	8.98	9
180970057	2011	9	5	13	V	0.05	0	8.37	5
180970057	2011	9	5	14	V	0.05	0	8.42	11
180970057	2011	9	5	15	V	0.04	0	8.05	11
180970057	2011	9	5	16	V	0.04	0	8.15	13
180970057	2011	9	5	17	V	0.02	0	7.84	19
180970057	2011	9	5	18	V	0.01	0	8.03	18
180970057	2011	9	5	19	V	0.01	0	8.11	22
180970057	2011	9	5	20	V	0.01	0	6.07	13
180970057	2011	9	5	21	V	0.01	0	6.19	16
180970057	2011	9	5	22	V	0.01	0	5.9	26
180970057	2011	9	5	23	V	0.7	0	7.11	41
180970057	2011	9	5	24	V	1.0	0	6.89	43
180970057	2011	9	6	1	V	0.7	0	7.52	41
180970057	2011	9	6	2	V	0.4	0	7.54	38
180970057	2011	9	6	3	V	0.03	0	7.3	30
180970057	2011	9	6	4	V	0.05	0	7.37	32
180970057	2011	9	6	5	V	0.03	0	7.21	30
180970057	2011	9	6	6	V	0.3	0	6.82	27
180970057	2011	9	6	7	V	0.1	0	7.08	22
180970057	2011	9	6	8	V	0.1	0	6.98	23
180970057	2011	9	6	9	V	4.2	0	7.79	35
180970057	2011	9	6	10	V	4.0	0	8.01	35
180970057	2011	9	6	11	V	6.8	0	9.25	38
180970057	2011	9	6	12	V	0.8	0	8.69	29
180970057	2011	9	6	13	V	0.09	0	8.85	23
180970057	2011	9	6	14	V	0.04	0	8.42	19
180970057	2011	9	6	15	V	0.04	0	8.91	21
180970057	2011	9	6	16	V	0.2	0	8.93	29
180970057	2011	9	6	17	V	0.08	0	8.76	30
180970057	2011	9	6	18	V	0.2	0	8.81	34
180970057	2011	9	6	19	V	0.03	0	7.5	30
180970057	2011	9	6	20	V	0.04	0	8.1	31
180970057	2011	9	6	21	V	0.02	0	7.94	19
180970057	2011	9	6	22	V	0.02	0	7.81	27
180970057	2011	9	6	23	V	0.01	-999	7.55	26
180970057	2011	9	6	24	V	0.02	0	5.62	4
180970057	2011	9	7	1	V	0.02	0	5.87	4
180970057	2011	9	7	2	V	0.01	0	6.21	10
180970057	2011	9	7	3	V	0.01	0	6.07	3
180970057	2011	9	7	4	V	0.01	0	6.07	359

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	7	5	V	0.02	0	5.65	5
180970057	2011	9	7	6	V	0.05	0	6.13	10
180970057	2011	9	7	7	V	0.05	0	7.01	9
180970057	2011	9	7	8	V	0.07	0	5.97	4
180970057	2011	9	7	9	V	0.06	0	7.16	3
180970057	2011	9	7	10	V	0.06	0	7.72	8
180970057	2011	9	7	11	V	0.05	0	7.25	8
180970057	2011	9	7	12	V	0.06	0	6.96	4
180970057	2011	9	7	13	V	0.06	0	8.05	9
180970057	2011	9	7	14	V	0.06	0	7.18	357
180970057	2011	9	7	15	V	0.06	0	6.84	357
180970057	2011	9	7	16	V	0.05	0	7.55	354
180970057	2011	9	7	17	V	0.02	0	7.16	357
180970057	2011	9	7	18	V	0.03	0	4.39	357
180970057	2011	9	7	19	V	0.03	0	4.41	356
180970057	2011	9	7	20	V	0.03	0	4.8	3
180970057	2011	9	7	21	V	0.05	0	4.02	1
180970057	2011	9	7	22	V	0.02	0	5.16	9
180970057	2011	9	7	23	V	0.01	0	6.38	16
180970057	2011	9	7	24	V	0.01	0	6.91	360
180970057	2011	9	8	1	V	0.01	0	6.84	357
180970057	2011	9	8	2	V	0.01	0	7.33	357
180970057	2011	9	8	3	V	0.01	0	7.37	350
180970057	2011	9	8	4	V	0.02	0	6.21	343
180970057	2011	9	8	5	V	0.02	0	5.89	346
180970057	2011	9	8	6	V	0.06	0	5.72	345
180970057	2011	9	8	7	V	0.07	0	5.41	344
180970057	2011	9	8	8	V	0.08	0	6.23	342
180970057	2011	9	8	9	V	0.07	0	6.31	353
180970057	2011	9	8	10	V	0.1	0	5.46	343
180970057	2011	9	8	11	V	0.1	0	5.48	346
180970057	2011	9	8	12	V	0.1	0	5.07	347
180970057	2011	9	8	13	V	0.1	0	4.75	337
180970057	2011	9	8	14	V	0.1	0	5.24	338
180970057	2011	9	8	15	V	0.2	0	4.2	329
180970057	2011	9	8	16	V	0.1	0	4.97	322
180970057	2011	9	8	17	V	0.06	0	4.39	324
180970057	2011	9	8	18	V	0.05	0	3.56	329
180970057	2011	9	8	19	V	0.06	0	2.52	309
180970057	2011	9	8	20	V	0.1	0	1.86	285
180970057	2011	9	8	21	V	1.9	0	1.55	248
180970057	2011	9	8	22	V	0.5	0	1.62	212
180970057	2011	9	8	23	V	2.2	0	1.82	206
180970057	2011	9	8	24	V	0.6	0	2.06	178
180970057	2011	9	9	1	V	0.08	0	1.96	163
180970057	2011	9	9	2	V	0.08	0	1.94	161

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	9	3	V	0.1	0	1.65	163
180970057	2011	9	9	4	V	0.08	0	2.01	109
180970057	2011	9	9	5	V	0.04	0	2.44	122
180970057	2011	9	9	6	V	0.3	0	2.08	126
180970057	2011	9	9	7	V	0.5	0	2.25	110
180970057	2011	9	9	8	V	0.7	0	2.13	137
180970057	2011	9	9	9	V	0.7	0	2.39	129
180970057	2011	9	9	10	V	0.8	0	2.52	142
180970057	2011	9	9	11	V	0.4	0	3.1	145
180970057	2011	9	9	12	V	0.2	0	3.01	135
180970057	2011	9	9	13	V	0.2	0	3.01	160
180970057	2011	9	9	14	V	0.8	0	1.54	147
180970057	2011	9	9	15	V	0.7	0	1.62	158
180970057	2011	9	9	16	V	0.8	0	2.3	173
180970057	2011	9	9	17	V	21.3	0	2.54	200
180970057	2011	9	9	18	V	0.2	0	1.69	165
180970057	2011	9	9	19	V	0.1	0	2.01	110
180970057	2011	9	9	20	V	0.07	0	2.15	124
180970057	2011	9	9	21	V	0.1	0	2.03	122
180970057	2011	9	9	22	V	0.1	0	1.79	104
180970057	2011	9	9	23	V	0.1	0	1.82	112
180970057	2011	9	9	24	V	0.2	0	1.64	79
180970057	2011	9	10	1	V	0.4	0	1.26	89
180970057	2011	9	10	2	V	0.3	0	1.35	74
180970057	2011	9	10	3	V	14.8	0	1.65	40
180970057	2011	9	10	4	V	0.05	0	2.15	70
180970057	2011	9	10	5	V	0.04	0	2.83	87
180970057	2011	9	10	6	V	0.1	0	3.15	113
180970057	2011	9	10	7	V	0.2	0	3.15	131
180970057	2011	9	10	8	V	0.7	0	2.39	150
180970057	2011	9	10	9	V	3.2	0	1.84	77
180970057	2011	9	10	10	V	1.5	0	1.38	99
180970057	2011	9	10	11	V	0.7	0.2	2.42	163
180970057	2011	9	10	12	V	0.3	0.7	2.88	161
180970057	2011	9	10	13	V	0.2	0.9	2.86	124
180970057	2011	9	10	14	V	0.3	0.9	2.35	122
180970057	2011	9	10	15	V	0.2	0.6	2.23	133
180970057	2011	9	10	16	V	0.2	0.5	1.7	106
180970057	2011	9	10	17	V	0.3	0.2	1.4	148
180970057	2011	9	10	18	V	0.9	2	1.13	141
180970057	2011	9	10	19	V	0.6	1.8	1.25	110
180970057	2011	9	10	20	V	0.09	0	2.01	69
180970057	2011	9	10	21	V	0.08	0	2.08	86
180970057	2011	9	10	22	V	0.4	0	1.35	98
180970057	2011	9	10	23	V	8.1	0	1.55	58
180970057	2011	9	10	24	V	12.9	0	0.69	69

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	11	1	V	0.4	0	1.28	331
180970057	2011	9	11	2	V	0.6	0	1.16	330
180970057	2011	9	11	3	V	4.5	0	0.69	277
180970057	2011	9	11	4	V	0.3	0	1.43	109
180970057	2011	9	11	5	V	0.3	0	1.35	114
180970057	2011	9	11	6	V	3.4	0	1.08	77
180970057	2011	9	11	7	V	1.1	0	1.72	268
180970057	2011	9	11	8	V	24.9	0	1.25	193
180970057	2011	9	11	9	V	2.7	0.3	1.4	250
180970057	2011	9	11	10	V	1.3	0.5	1.82	282
180970057	2011	9	11	11	V	1.1	0.5	1.96	346
180970057	2011	9	11	12	V	6.5	0	1.81	31
180970057	2011	9	11	13	V	0.4	0.5	3.13	322
180970057	2011	9	11	14	V	0.3	0	3.12	226
180970057	2011	9	11	15	V	11.9	2.2	3.2	202
180970057	2011	9	11	16	V	0.5	0	3.17	247
180970057	2011	9	11	17	V	1.3	0	3.51	246
180970057	2011	9	11	18	V	0.05	0	2.55	291
180970057	2011	9	11	19	V	1.6	0	1.14	270
180970057	2011	9	11	20	V	0.1	0	1.96	217
180970057	2011	9	11	21	V	0.1	0	1.98	215
180970057	2011	9	11	22	V	0.1	0	2.49	211
180970057	2011	9	11	23	V	0.2	0	2.81	226
180970057	2011	9	11	24	V	1.4	0	2.96	243
180970057	2011	9	12	1	V	0.03	0	2.73	223
180970057	2011	9	12	2	V	0.03	0	2.91	229
180970057	2011	9	12	3	V	0.2	0	2.81	240
180970057	2011	9	12	4	V	0.2	0	2.42	240
180970057	2011	9	12	5	V	0.2	0	2.18	211
180970057	2011	9	12	6	V	0.6	0	2.13	232
180970057	2011	9	12	7	V	1.9	0	1.98	226
180970057	2011	9	12	8	V	1.3	0	2.2	234
180970057	2011	9	12	9	V	1.2	0.3	2.57	244
180970057	2011	9	12	10	V	1.6	1.1	1.88	256
180970057	2011	9	12	11	V	0.7	0.7	3.29	250
180970057	2011	9	12	12	V	0.4	0.3	4.61	235
180970057	2011	9	12	13	V	0.3	0	5.29	231
180970057	2011	9	12	14	V	0.5	1.6	5.68	240
180970057	2011	9	12	15	V	0.4	0.2	6.06	236
180970057	2011	9	12	16	V	0.4	0	6.07	237
180970057	2011	9	12	17	V	0.4	0	5.84	236
180970057	2011	9	12	18	V	0.2	0	6.09	232
180970057	2011	9	12	19	V	0.2	0	5.48	231
180970057	2011	9	12	20	V	0.1	0	3.75	212
180970057	2011	9	12	21	V	0.5	0	4.65	208
180970057	2011	9	12	22	V	0.1	2	4.49	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	12	23	V	0.07	1.5	3.85	215
180970057	2011	9	12	24	V	0.2	1.6	4.1	211
180970057	2011	9	13	1	V	0.5	2.8	4.48	208
180970057	2011	9	13	2	V	0.1	0.2	4.2	212
180970057	2011	9	13	3	V	0.7	1.4	4.03	207
180970057	2011	9	13	4	V	3.9	1.2	4.76	202
180970057	2011	9	13	5	V	2.1	1.3	4.54	204
180970057	2011	9	13	6	V	1.5	1.9	3.98	212
180970057	2011	9	13	7	V	1.5	2.2	4.51	213
180970057	2011	9	13	8	V	1.4	1.8	4.9	214
180970057	2011	9	13	9	V	0.1	2.3	6.67	223
180970057	2011	9	13	10	V	0.2	2.6	8.17	229
180970057	2011	9	13	11	V	0.2	1.8	8.28	230
180970057	2011	9	13	12	V	0.1	1	7.6	225
180970057	2011	9	13	13	V	0.4	0.9	8.32	243
180970057	2011	9	13	14	V	0.3	0.7	7.99	251
180970057	2011	9	13	15	V	0.3	1	7.42	253
180970057	2011	9	13	16	V	0.2	2.7	7.62	268
180970057	2011	9	13	17	V	0.8	3.8	7.21	261
180970057	2011	9	13	18	V	0.8	2.1	6.7	261
180970057	2011	9	13	19	V	0.04	0	4.54	314
180970057	2011	9	13	20	V	0.05	0	4.1	323
180970057	2011	9	13	21	V	0.05	0	4.31	348
180970057	2011	9	13	22	V	0.04	0	4.63	6
180970057	2011	9	13	23	V	0.02	-999	5.04	26
180970057	2011	9	13	24	V	0.05	0	4.95	34
180970057	2011	9	14	1	V	0.01	0	5.82	27
180970057	2011	9	14	2	V	0.4	0	4.56	38
180970057	2011	9	14	3	V	3.7	1.4	3.91	44
180970057	2011	9	14	4	V	4.4	1.7	3.46	48
180970057	2011	9	14	5	V	0.07	0.2	2.3	8
180970057	2011	9	14	6	V	0.2	0	3.34	339
180970057	2011	9	14	7	V	0.6	0	2.3	356
180970057	2011	9	14	8	V	14.7	0	3	51
180970057	2011	9	14	9	V	1.2	0	2.18	92
180970057	2011	9	14	10	V	5.6	7.6	3.44	62
180970057	2011	9	14	11	V	3.8	5.4	3.07	27
180970057	2011	9	14	12	V	1.5	6.5	4.31	31
180970057	2011	9	14	13	V	7.5	7.8	3.63	37
180970057	2011	9	14	14	V	6.4	8.8	4.61	37
180970057	2011	9	14	15	V	0.1	2	4.17	12
180970057	2011	9	14	16	V	0.07	0.1	3.75	358
180970057	2011	9	14	17	V	0.08	0	4.46	356
180970057	2011	9	14	18	V	0.03	0	6.91	356
180970057	2011	9	14	19	V	0.04	0	4.87	357
180970057	2011	9	14	20	V	0.05	0	4.99	4

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	14	21	V	0.07	0	4.54	18
180970057	2011	9	14	22	V	0.03	0	5.84	8
180970057	2011	9	14	23	V	0.02	0	5.79	1
180970057	2011	9	14	24	V	0.02	0	8.59	5
180970057	2011	9	15	1	V	0.03	0	5.9	29
180970057	2011	9	15	2	V	0.02	0	6.45	22
180970057	2011	9	15	3	V	0.02	0	6.36	26
180970057	2011	9	15	4	V	0.03	0	5.22	16
180970057	2011	9	15	5	V	0.03	0	4.6	3
180970057	2011	9	15	6	V	0.1	0	4.37	358
180970057	2011	9	15	7	V	0.3	0	3.73	353
180970057	2011	9	15	8	V	0.3	0	3.97	357
180970057	2011	9	15	9	V	0.1	0	5.34	15
180970057	2011	9	15	10	V	1.0	0	6.96	27
180970057	2011	9	15	11	V	12.2	2.4	7.35	42
180970057	2011	9	15	12	V	2.2	1.6	7.26	30
180970057	2011	9	15	13	V	0.1	0	7.47	19
180970057	2011	9	15	14	V	0.2	0	7.37	22
180970057	2011	9	15	15	V	0.07	0	6.48	16
180970057	2011	9	15	16	V	0.07	0	6.11	23
180970057	2011	9	15	17	V	0.02	2.9	5.99	17
180970057	2011	9	15	18	V	0.02	0.1	5.19	22
180970057	2011	9	15	19	V	0.02	0	4.97	24
180970057	2011	9	15	20	V	0.02	0	3.66	26
180970057	2011	9	15	21	V	0.02	0	3.1	28
180970057	2011	9	15	22	V	0.1	1	2.45	34
180970057	2011	9	15	23	V	0.05	0	2.42	16
180970057	2011	9	15	24	V	0.09	0	2.84	33
180970057	2011	9	16	1	V	0.4	0	2.45	36
180970057	2011	9	16	2	V	0.04	0	2.52	19
180970057	2011	9	16	3	V	0.04	0	3.4	29
180970057	2011	9	16	4	V	3.7	0	3.52	42
180970057	2011	9	16	5	V	5.0	0	3.32	43
180970057	2011	9	16	6	V	15.8	0	2.37	51
180970057	2011	9	16	7	V	0.3	0	2.62	84
180970057	2011	9	16	8	V	0.9	0	3.17	71
180970057	2011	9	16	9	V	0.3	0	3.49	81
180970057	2011	9	16	10	V	0.07	0	4.75	100
180970057	2011	9	16	11	V	0.04	0.4	6.35	110
180970057	2011	9	16	12	V	0.04	0.2	6.14	109
180970057	2011	9	16	13	V	0.07	0.6	4.9	105
180970057	2011	9	16	14	V	0.08	0	4.44	80
180970057	2011	9	16	15	V	0.07	0	5.04	91
180970057	2011	9	16	16	V	0.02	0	5.45	94
180970057	2011	9	16	17	V	0.01	0	5.21	78
180970057	2011	9	16	18	V	0.01	0	4.65	85

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	16	19	V	0.01	0	4.63	76
180970057	2011	9	16	20	V	0.02	0	4.82	66
180970057	2011	9	16	21	V	0.01	0	5.6	84
180970057	2011	9	16	22	V	0.01	0	5.84	91
180970057	2011	9	16	23	V	0.01	0	6.6	102
180970057	2011	9	16	24	V	0.01	0	4.78	99
180970057	2011	9	17	1	V	0.02	0	4	99
180970057	2011	9	17	2	V	0.02	0	3.95	94
180970057	2011	9	17	3	V	0.02	0	3.88	101
180970057	2011	9	17	4	V	0.02	0	3.13	88
180970057	2011	9	17	5	V	0.02	0	3.05	72
180970057	2011	9	17	6	V	15.9	0.7	3.63	47
180970057	2011	9	17	7	V	10.1	0	3.49	57
180970057	2011	9	17	8	V	3.0	0	3.25	67
180970057	2011	9	17	9	V	3.7	0	3.18	67
180970057	2011	9	17	10	V	0.2	0.6	3.61	76
180970057	2011	9	17	11	V	0.4	2.3	2.93	82
180970057	2011	9	17	12	V	1.0	1.5	3.57	76
180970057	2011	9	17	13	V	0.2	0.1	3.18	99
180970057	2011	9	17	14	V	0.3	0	2.91	90
180970057	2011	9	17	15	V	0.2	0	2.72	93
180970057	2011	9	17	16	V	0.7	0.9	2.67	75
180970057	2011	9	17	17	V	0.02	0	2.52	80
180970057	2011	9	17	18	V	0.01	0	3.12	84
180970057	2011	9	17	19	V	0.01	0	3.63	98
180970057	2011	9	17	20	V	0.01	0	3.37	96
180970057	2011	9	17	21	V	0.01	0	2.66	70
180970057	2011	9	17	22	V	0.04	0	2.47	62
180970057	2011	9	17	23	V	0.01	0	3.61	66
180970057	2011	9	17	24	V	0.01	0	3.73	93
180970057	2011	9	18	1	V	0.01	0	3.76	108
180970057	2011	9	18	2	V	0.02	0.1	3.98	111
180970057	2011	9	18	3	V	0.02	0	3.54	105
180970057	2011	9	18	4	V	0.02	0.4	3.51	103
180970057	2011	9	18	5	V	0.02	0.3	3.71	96
180970057	2011	9	18	6	V	0.07	0.8	2.76	99
180970057	2011	9	18	7	V	0.2	1.1	2.32	95
180970057	2011	9	18	8	V	0.2	1.1	2.47	108
180970057	2011	9	18	9	V	0.1	0.9	3.34	125
180970057	2011	9	18	10	V	0.1	1.7	3.47	130
180970057	2011	9	18	11	V	0.2	2.1	3.42	139
180970057	2011	9	18	12	V	0.09	1.2	4.15	137
180970057	2011	9	18	13	V	0.07	0	4.39	111
180970057	2011	9	18	14	V	0.07	0.9	4.78	115
180970057	2011	9	18	15	V	0.04	0.3	5.75	134
180970057	2011	9	18	16	V	0.03	0	5.96	136

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	18	17	V	0.01	0	5.12	149
180970057	2011	9	18	18	V	0.01	0	5.56	148
180970057	2011	9	18	19	V	0.01	0	4.49	152
180970057	2011	9	18	20	V	0.01	0	5.43	147
180970057	2011	9	18	21	V	0.01	0	5.92	147
180970057	2011	9	18	22	V	0.01	0	5.85	146
180970057	2011	9	18	23	V	0.01	0	5.5	145
180970057	2011	9	18	24	V	0.01	0	4.73	149
180970057	2011	9	19	1	V	0.01	0	4.65	149
180970057	2011	9	19	2	V	0.01	0	4.78	157
180970057	2011	9	19	3	V	0.02	0	4.66	164
180970057	2011	9	19	4	V	0.2	0	3.78	175
180970057	2011	9	19	5	V	0.07	0	2.95	173
180970057	2011	9	19	6	V	5.6	0	4.14	182
180970057	2011	9	19	7	V	25.7	0	3.2	188
180970057	2011	9	19	8	V	6.5	0	3.64	177
180970057	2011	9	19	9	V	9.6	0	3.95	183
180970057	2011	9	19	10	V	4.7	0	4.66	181
180970057	2011	9	19	11	V	5.4	0.2	5.39	182
180970057	2011	9	19	12	V	9.1	0	6.7	185
180970057	2011	9	19	13	V	13.9	0.1	8.11	195
180970057	2011	9	19	14	V	1.7	0	7.25	205
180970057	2011	9	19	15	V	0.9	0	6.24	206
180970057	2011	9	19	16	V	0.03	0	5.6	216
180970057	2011	9	19	17	V	1.0	0	3.23	257
180970057	2011	9	19	18	V	0.1	0	1.77	286
180970057	2011	9	19	19	V	0.04	0	2.42	331
180970057	2011	9	19	20	V	0.2	0	1.74	311
180970057	2011	9	19	21	V	0.4	0	1.38	310
180970057	2011	9	19	22	V	0.1	0	1.86	334
180970057	2011	9	19	23	V	0.1	0	1.82	358
180970057	2011	9	19	24	V	0.2	0	1.64	337
180970057	2011	9	20	1	V	5.1	0	0.63	352
180970057	2011	9	20	2	V	0.3	0	1.4	3
180970057	2011	9	20	3	V	0.07	0	2.03	5
180970057	2011	9	20	4	V	0.1	0	1.84	6
180970057	2011	9	20	5	V	0.1	0	1.89	19
180970057	2011	9	20	6	V	9.9	0	2.38	37
180970057	2011	9	20	7	V	15.8	0	2.71	48
180970057	2011	9	20	8	V	15.4	0	2.27	42
180970057	2011	9	20	9	V	16.5	0	2.3	56
180970057	2011	9	20	10	V	0.4	0	3.1	102
180970057	2011	9	20	11	V	0.3	0	3.08	122
180970057	2011	9	20	12	V	6.0	0	2.92	174
180970057	2011	9	20	13	V	2.2	3.3	2.55	166
180970057	2011	9	20	14	V	0.2	0.4	3	157

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	20	15	V	0.2	0	2.86	131
180970057	2011	9	20	16	V	0.08	0	3.8	138
180970057	2011	9	20	17	V	0.05	0	3.63	153
180970057	2011	9	20	18	V	0.04	0	2.91	157
180970057	2011	9	20	19	V	0.03	0	3.35	149
180970057	2011	9	20	20	V	0.03	0	3.69	156
180970057	2011	9	20	21	V	0.03	0	3.42	165
180970057	2011	9	20	22	V	0.03	0	2.79	164
180970057	2011	9	20	23	V	0.06	-999	3.32	176
180970057	2011	9	20	24	V	12.6	0	2.23	185
180970057	2011	9	21	1	V	0.04	0	2.79	171
180970057	2011	9	21	2	V	0.06	0	1.76	214
180970057	2011	9	21	3	V	0.05	0	1.89	224
180970057	2011	9	21	4	V	0.6	0	2.71	206
180970057	2011	9	21	5	V	0.4	0	2.62	208
180970057	2011	9	21	6	V	1.6	0	2.39	206
180970057	2011	9	21	7	V	0.4	0	2.47	244
180970057	2011	9	21	8	V	0.3	0	2.47	231
180970057	2011	9	21	9	V	0.3	0	4	252
180970057	2011	9	21	10	V	0.3	0	4.31	261
180970057	2011	9	21	11	V	0.4	0	4.1	237
180970057	2011	9	21	12	V	0.4	0	4.7	237
180970057	2011	9	21	13	V	0.3	0	5.21	233
180970057	2011	9	21	14	V	0.4	0	5.51	242
180970057	2011	9	21	15	V	0.4	0	5.94	246
180970057	2011	9	21	16	V	0.3	0	5.99	249
180970057	2011	9	21	17	V	0.6	0	6.23	244
180970057	2011	9	21	18	V	0.9	0	5.53	263
180970057	2011	9	21	19	V	0.8	0	3.75	271
180970057	2011	9	21	20	V	0.01	0	2.79	291
180970057	2011	9	21	21	V	0.01	0	2.76	289
180970057	2011	9	21	22	V	0.01	0	3.01	295
180970057	2011	9	21	23	V	0.05	0	2.03	304
180970057	2011	9	21	24	V	1.0	0	1.47	271
180970057	2011	9	22	1	V	0.2	0	1.31	225
180970057	2011	9	22	2	V	0.07	0	1.81	223
180970057	2011	9	22	3	V	0.2	0	2.47	245
180970057	2011	9	22	4	V	1.2	0	2.1	274
180970057	2011	9	22	5	V	3.6	0	0.58	282
180970057	2011	9	22	6	V	0.2	0	1.98	321
180970057	2011	9	22	7	V	2.4	0	1.04	322
180970057	2011	9	22	8	V	1.5	0	1.2	138
180970057	2011	9	22	9	V	0.7	0.1	1.76	312
180970057	2011	9	22	10	V	2.5	0.3	1.23	2
180970057	2011	9	22	11	V	0.2	0.2	2.56	311
180970057	2011	9	22	12	V	0.1	0	3.03	300

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	22	13	V	0.3	0	2.66	275
180970057	2011	9	22	14	V	0.3	0	2.89	254
180970057	2011	9	22	15	V	0.3	0	3.59	251
180970057	2011	9	22	16	V	0.2	0	4.22	263
180970057	2011	9	22	17	V	0.02	0	5.89	292
180970057	2011	9	22	18	V	0.01	0	5.55	301
180970057	2011	9	22	19	V	0.01	0	4.95	312
180970057	2011	9	22	20	V	0.02	0	2.38	318
180970057	2011	9	22	21	V	0.02	0	3.23	317
180970057	2011	9	22	22	V	0.02	0	3.01	309
180970057	2011	9	22	23	V	0.04	0	1.89	344
180970057	2011	9	22	24	V	0.04	0	2.01	13
180970057	2011	9	23	1	V	1.9	0	0.8	15
180970057	2011	9	23	2	V	0.2	0	1.37	309
180970057	2011	9	23	3	V	0.07	0	1.77	287
180970057	2011	9	23	4	V	0.05	0	1.89	287
180970057	2011	9	23	5	V	0.06	0	1.88	306
180970057	2011	9	23	6	V	0.04	0	3.23	300
180970057	2011	9	23	7	V	0.08	0	3.68	321
180970057	2011	9	23	8	V	0.1	0	3.13	312
180970057	2011	9	23	9	V	0.1	0	3.41	317
180970057	2011	9	23	10	V	0.2	0	3.37	304
180970057	2011	9	23	11	V	0.3	0	3	301
180970057	2011	9	23	12	V	0.4	0	3.12	268
180970057	2011	9	23	13	V	0.2	0	4.65	275
180970057	2011	9	23	14	V	0.2	0	4.7	263
180970057	2011	9	23	15	V	0.4	0	4.29	243
180970057	2011	9	23	16	V	0.3	0	3.93	257
180970057	2011	9	23	17	V	0.9	0	4.8	257
180970057	2011	9	23	18	V	0.9	0	3.22	256
180970057	2011	9	23	19	V	1.1	0	2.44	258
180970057	2011	9	23	20	V	0.03	0	2.25	216
180970057	2011	9	23	21	V	0.04	0	2.13	215
180970057	2011	9	23	22	V	10.8	0	1.43	191
180970057	2011	9	23	23	V	0.03	0	2.22	359
180970057	2011	9	23	24	V	0.2	0	2.84	37
180970057	2011	9	24	1	V	0.02	0	2.27	75
180970057	2011	9	24	2	V	0.05	0	1.88	162
180970057	2011	9	24	3	V	3.4	0	1.18	179
180970057	2011	9	24	4	V	0.02	0	2.15	145
180970057	2011	9	24	5	V	0.04	0	1.89	168
180970057	2011	9	24	6	V	0.08	0	1.77	151
180970057	2011	9	24	7	V	0.2	0	2.22	139
180970057	2011	9	24	8	V	0.2	0	2.47	147
180970057	2011	9	24	9	V	0.1	0	3.64	149
180970057	2011	9	24	10	V	0.1	0	4.22	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	24	11	V	0.05	0	4.07	163
180970057	2011	9	24	12	V	0.08	0	3.44	165
180970057	2011	9	24	13	V	1.5	0	5.67	182
180970057	2011	9	24	14	V	2.4	1.1	6.28	191
180970057	2011	9	24	15	V	0.2	0	6.74	175
180970057	2011	9	24	16	V	0.1	0	7.11	175
180970057	2011	9	24	17	V	0.01	0	6.21	157
180970057	2011	9	24	18	V	0.01	0	6.12	164
180970057	2011	9	24	19	V	0.02	0	3.05	120
180970057	2011	9	24	20	V	0.02	0	3.13	83
180970057	2011	9	24	21	V	0.4	0	1.87	62
180970057	2011	9	24	22	V	0.02	0	3.2	360
180970057	2011	9	24	23	V	0.02	0	3.39	320
180970057	2011	9	24	24	V	0.02	0	2.83	331
180970057	2011	9	25	1	V	0.02	0	3.3	348
180970057	2011	9	25	2	V	2.9	0	2.67	40
180970057	2011	9	25	3	V	5.9	0	2.9	43
180970057	2011	9	25	4	V	0.1	0	4	62
180970057	2011	9	25	5	V	0.02	0	2.93	86
180970057	2011	9	25	6	V	0.05	0	3.15	86
180970057	2011	9	25	7	V	0.1	0	3.03	115
180970057	2011	9	25	8	V	0.06	0	4.53	141
180970057	2011	9	25	9	V	1.6	0	5.34	183
180970057	2011	9	25	10	V	0.09	0	4.56	215
180970057	2011	9	25	11	V	2.3	0	5.09	187
180970057	2011	9	25	12	V	0.04	0	6.58	135
180970057	2011	9	25	13	V	0.09	0	4.02	153
180970057	2011	9	25	14	V	0.05	0	5.78	144
180970057	2011	9	25	15	V	0.05	0	7.01	169
180970057	2011	9	25	16	V	0.04	0	6.89	152
180970057	2011	9	25	17	V	0.01	0	5.14	142
180970057	2011	9	25	18	V	0.2	0	2.86	61
180970057	2011	9	25	19	V	0.4	0	3	60
180970057	2011	9	25	20	V	0.02	0	2.95	326
180970057	2011	9	25	21	V	2.8	0	4.37	41
180970057	2011	9	25	22	V	0.01	0	6.75	9
180970057	2011	9	25	23	V	0.7	0	7.77	40
180970057	2011	9	25	24	V	0.04	0	5.89	63
180970057	2011	9	26	1	V	0.02	0	2.49	78
180970057	2011	9	26	2	V	0.01	0	5.24	152
180970057	2011	9	26	3	V	0.6	0	6.35	189
180970057	2011	9	26	4	V	0.02	0	7.47	218
180970057	2011	9	26	5	V	0.1	0	5.24	240
180970057	2011	9	26	6	V	0.4	0	4.2	246
180970057	2011	9	26	7	V	0.2	0	4.71	253
180970057	2011	9	26	8	V	0.2	0	4.73	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	26	9	V	0.4	0	4.73	241
180970057	2011	9	26	10	V	0.5	0	4.24	207
180970057	2011	9	26	11	V	0.1	0	5.34	223
180970057	2011	9	26	12	V	0.09	0	5.36	220
180970057	2011	9	26	13	V	0.1	0	5.16	217
180970057	2011	9	26	14	V	0.6	0	6.14	203
180970057	2011	9	26	15	V	0.2	0	7.18	205
180970057	2011	9	26	16	V	0.2	0	7.37	204
180970057	2011	9	26	17	V	0.2	0	7.21	207
180970057	2011	9	26	18	V	0.6	0	5.73	200
180970057	2011	9	26	19	V	0.1	0	4.87	178
180970057	2011	9	26	20	V	0.01	0	5.02	170
180970057	2011	9	26	21	V	0.01	0	4.85	165
180970057	2011	9	26	22	V	0.01	0	5.85	172
180970057	2011	9	26	23	V	0.01	0	5.99	169
180970057	2011	9	26	24	V	0.03	0	6.38	175
180970057	2011	9	27	1	V	0.2	0	6.33	180
180970057	2011	9	27	2	V	4.2	0	6.31	189
180970057	2011	9	27	3	V	0.05	0	6.4	174
180970057	2011	9	27	4	V	0.02	0	5.9	158
180970057	2011	9	27	5	V	0.02	0	6.46	152
180970057	2011	9	27	6	V	0.02	0	6.8	163
180970057	2011	9	27	7	V	0.07	0	5.94	166
180970057	2011	9	27	8	V	0.06	0	6.3	168
180970057	2011	9	27	9	V	1.5	0	6.07	178
180970057	2011	9	27	10	V	13.7	5.3	7.42	194
180970057	2011	9	27	11	V	1.9	7.2	7.64	206
180970057	2011	9	27	12	V	0.07	1.2	6.96	220
180970057	2011	9	27	13	V	0.08	0.5	7.52	224
180970057	2011	9	27	14	V	0.4	0	8.98	238
180970057	2011	9	27	15	V	0.4	0	9.17	246
180970057	2011	9	27	16	V	0.3	0	8.62	248
180970057	2011	9	27	17	V	0.7	0	7.69	249
180970057	2011	9	27	18	V	0.7	0	6.52	248
180970057	2011	9	27	19	V	0.4	0	5.29	236
180970057	2011	9	27	20	V	0.1	0	4.63	222
180970057	2011	9	27	21	V	0.07	0	4.71	219
180970057	2011	9	27	22	V	0.05	0	5.1	218
180970057	2011	9	27	23	V	0.1	-999	5.6	226
180970057	2011	9	27	24	V	0.2	0	5.6	229
180970057	2011	9	28	1	V	0.1	0	5.67	238
180970057	2011	9	28	2	V	0.05	0	4.07	230
180970057	2011	9	28	3	V	0.2	0	4.07	242
180970057	2011	9	28	4	V	0.05	0	3.64	229
180970057	2011	9	28	5	V	0.2	0	3.74	241
180970057	2011	9	28	6	V	0.2	0	4.31	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	28	7	V	0.2	0	3.69	245
180970057	2011	9	28	8	V	0.3	0	2.76	240
180970057	2011	9	28	9	V	5.3	0	2.91	186
180970057	2011	9	28	10	V	0.4	0	3.83	210
180970057	2011	9	28	11	V	0.2	0	4.02	228
180970057	2011	9	28	12	V	0.2	0	5.31	254
180970057	2011	9	28	13	V	0.2	0	4.54	272
180970057	2011	9	28	14	V	0.5	0	3.63	243
180970057	2011	9	28	15	V	0.3	0	3.69	250
180970057	2011	9	28	16	V	0.03	0	3.63	297
180970057	2011	9	28	17	V	0.9	0	4.34	257
180970057	2011	9	28	18	V	0.8	0	4.85	243
180970057	2011	9	28	19	V	1.0	0	3.15	255
180970057	2011	9	28	20	V	0.04	0	3.75	306
180970057	2011	9	28	21	V	0.3	0	3.22	229
180970057	2011	9	28	22	V	0.5	0	2.5	235
180970057	2011	9	28	23	V	1.3	0	2.44	242
180970057	2011	9	28	24	V	1.1	0	2.52	241
180970057	2011	9	29	1	V	0.3	0	2.32	246
180970057	2011	9	29	2	V	0.9	0	2.3	257
180970057	2011	9	29	3	V	1.2	0	2.28	261
180970057	2011	9	29	4	V	0.03	0	2.64	234
180970057	2011	9	29	5	V	0.1	0	1.82	232
180970057	2011	9	29	6	V	0.09	0	1.82	232
180970057	2011	9	29	7	V	0.4	0	2.42	224
180970057	2011	9	29	8	V	0.6	0	2.39	227
180970057	2011	9	29	9	V	0.7	0	3.37	238
180970057	2011	9	29	10	V	0.6	0	3.66	239
180970057	2011	9	29	11	V	0.5	0	4.88	242
180970057	2011	9	29	12	V	0.3	0	6.75	248
180970057	2011	9	29	13	V	0.3	2.1	6.47	234
180970057	2011	9	29	14	V	0.2	0	6.94	231
180970057	2011	9	29	15	V	0.1	0	8.49	231
180970057	2011	9	29	16	V	0.03	0	8.13	223
180970057	2011	9	29	17	V	0.01	0	10.24	316
180970057	2011	9	29	18	V	0.01	0	7.81	292
180970057	2011	9	29	19	V	0.9	0	5.8	262
180970057	2011	9	29	20	V	0.9	0	6.01	257
180970057	2011	9	29	21	V	0.7	0	6.33	248
180970057	2011	9	29	22	V	0.6	0	7.31	247
180970057	2011	9	29	23	V	0.7	0	7.45	264
180970057	2011	9	29	24	V	0.4	0	7.32	277
180970057	2011	9	30	1	V	0.8	0	6.62	259
180970057	2011	9	30	2	V	0.06	0	9.32	286
180970057	2011	9	30	3	V	0.01	0	8.54	293
180970057	2011	9	30	4	V	0.02	0	7.76	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	9	30	5	V	0.01	0	7.38	295
180970057	2011	9	30	6	V	0.01	0	8.35	301
180970057	2011	9	30	7	V	0.03	0	8.33	292
180970057	2011	9	30	8	V	0.03	0	8.56	297
180970057	2011	9	30	9	V	0.03	0	8.69	303
180970057	2011	9	30	10	V	0.02	0	8.62	309
180970057	2011	9	30	11	V	0.02	0	9.05	308
180970057	2011	9	30	12	V	0.03	0	8.28	314
180970057	2011	9	30	13	V	0.04	0	7.91	316
180970057	2011	9	30	14	V	0.03	0	9.27	330
180970057	2011	9	30	15	V	0.03	0	9.56	344
180970057	2011	9	30	16	V	0.02	0	9.76	334
180970057	2011	9	30	17	V	0.01	0	8.74	350
180970057	2011	9	30	18	V	0.01	0	7.96	341
180970057	2011	9	30	19	V	0.01	0	6.86	336
180970057	2011	9	30	20	V	0.01	0	7.48	5
180970057	2011	9	30	21	V	0.01	0	5.84	349
180970057	2011	9	30	22	V	0.01	0	6.3	343
180970057	2011	9	30	23	V	0.01	0	5.89	339
180970057	2011	9	30	24	V	0.01	0	6.21	343
180970057	2011	10	1	1	V	0.01	0	5.29	339
180970057	2011	10	1	2	V	0.01	0	5.12	338
180970057	2011	10	1	3	V	0.01	0	5.09	337
180970057	2011	10	1	4	V	0.01	0	5.48	339
180970057	2011	10	1	5	V	0.01	0	5.21	339
180970057	2011	10	1	6	V	0.01	0	4.83	336
180970057	2011	10	1	7	V	0.06	0	4.49	334
180970057	2011	10	1	8	V	0.05	0	5.51	334
180970057	2011	10	1	9	V	0.03	0	6.94	352
180970057	2011	10	1	10	V	0.05	0	6.11	357
180970057	2011	10	1	11	V	0.05	0	6.24	356
180970057	2011	10	1	12	V	0.04	0	7.18	345
180970057	2011	10	1	13	V	0.04	0	7.18	351
180970057	2011	10	1	14	V	0.04	0	6.69	349
180970057	2011	10	1	15	V	0.04	0	6.53	350
180970057	2011	10	1	16	V	0.02	0	6.82	338
180970057	2011	10	1	17	V	0.01	0	6.3	342
180970057	2011	10	1	18	V	0.01	0	6.24	340
180970057	2011	10	1	19	V	0.01	0	5.51	334
180970057	2011	10	1	20	V	0.01	0	4.54	331
180970057	2011	10	1	21	V	0.01	0	4.61	338
180970057	2011	10	1	22	V	0.01	0	4.92	356
180970057	2011	10	1	23	V	0.01	0	4.2	7
180970057	2011	10	1	24	V	0.01	0	3.52	12
180970057	2011	10	2	1	V	0.02	0	2.45	7
180970057	2011	10	2	2	V	0.1	0	1.62	337

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	2	3	V	0.07	0	1.81	295
180970057	2011	10	2	4	V	0.02	0	2.5	315
180970057	2011	10	2	5	V	0.01	0	3.52	328
180970057	2011	10	2	6	V	0.02	0	3.91	326
180970057	2011	10	2	7	V	0.09	0	3.95	318
180970057	2011	10	2	8	V	0.2	0	3.44	322
180970057	2011	10	2	9	V	0.4	0	3.01	329
180970057	2011	10	2	10	V	0.2	0	3.29	329
180970057	2011	10	2	11	V	0.08	0	4.92	340
180970057	2011	10	2	12	V	0.07	0	5.22	336
180970057	2011	10	2	13	V	0.09	0	4.58	322
180970057	2011	10	2	14	V	0.07	0	5.02	335
180970057	2011	10	2	15	V	0.04	0	5.39	325
180970057	2011	10	2	16	V	0.02	0	6.23	324
180970057	2011	10	2	17	V	0.01	0	6.45	326
180970057	2011	10	2	18	V	0.01	0	5.77	320
180970057	2011	10	2	19	V	0.01	0.2	4.56	314
180970057	2011	10	2	20	V	0.01	0	5.16	325
180970057	2011	10	2	21	V	0.01	0	4.43	330
180970057	2011	10	2	22	V	0.01	0.4	3.2	337
180970057	2011	10	2	23	V	0.03	0	2.22	326
180970057	2011	10	2	24	V	0.05	0	1.91	332
180970057	2011	10	3	1	V	0.2	0	1.42	296
180970057	2011	10	3	2	V	1.0	0	1.99	273
180970057	2011	10	3	3	V	1.1	0	1.87	275
180970057	2011	10	3	4	V	1.0	0	2.11	257
180970057	2011	10	3	5	V	0.06	0	1.94	288
180970057	2011	10	3	6	V	0.3	0	1.23	296
180970057	2011	10	3	7	V	0.8	0	1.84	257
180970057	2011	10	3	8	V	0.4	0.2	3	250
180970057	2011	10	3	9	V	1.9	0.1	1.4	308
180970057	2011	10	3	10	V	0.8	0.8	2.27	332
180970057	2011	10	3	11	V	0.4	1.3	2.23	349
180970057	2011	10	3	12	V	1.0	0.8	1.86	4
180970057	2011	10	3	13	V	0.08	0.3	4.83	333
180970057	2011	10	3	14	V	0.05	0	6.18	327
180970057	2011	10	3	15	V	0.05	0	5.16	352
180970057	2011	10	3	16	V	0.02	0	5.43	321
180970057	2011	10	3	17	V	0.01	0	4.8	330
180970057	2011	10	3	18	V	0.01	0	3.52	347
180970057	2011	10	3	19	V	0.02	0	2.47	341
180970057	2011	10	3	20	V	0.02	0	2.55	336
180970057	2011	10	3	21	V	0.01	0	3.68	2
180970057	2011	10	3	22	V	0.01	0	3.27	13
180970057	2011	10	3	23	V	0.01	0	3.49	22
180970057	2011	10	3	24	V	0.02	0	2.42	21

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	4	1	V	0.1	0	1.45	3
180970057	2011	10	4	2	V	0.2	0	1.42	319
180970057	2011	10	4	3	V	0.1	0	1.48	344
180970057	2011	10	4	4	V	0.09	0	1.69	13
180970057	2011	10	4	5	V	0.1	0	1.67	22
180970057	2011	10	4	6	V	0.1	0	1.72	25
180970057	2011	10	4	7	V	4.6	0.1	1.42	22
180970057	2011	10	4	8	V	5.4	0.3	0.86	348
180970057	2011	10	4	9	V	13.5	0.4	1.38	31
180970057	2011	10	4	10	V	9.1	2.4	0.63	68
180970057	2011	10	4	11	V	4.7	4.3	0.96	107
180970057	2011	10	4	12	V	5.0	1.2	1.18	70
180970057	2011	10	4	13	V	2.0	5.2	1.2	124
180970057	2011	10	4	14	V	2.0	6	1.26	90
180970057	2011	10	4	15	V	0.6	3.2	1.48	285
180970057	2011	10	4	16	V	0.3	2.3	1.31	142
180970057	2011	10	4	17	V	0.4	3.9	1.16	156
180970057	2011	10	4	18	V	3.2	0.7	0.63	222
180970057	2011	10	4	19	V	2.6	0	0.7	298
180970057	2011	10	4	20	V	5.0	0	0.53	13
180970057	2011	10	4	21	C	-999	0.1	0	0
180970057	2011	10	4	22	V	5.2	0.8	0.62	213
180970057	2011	10	4	23	V	2.9	-999	0.77	236
180970057	2011	10	4	24	C	-999	0.4	0	0
180970057	2011	10	5	1	C	-999	0.8	0	0
180970057	2011	10	5	2	C	-999	0.8	0	0
180970057	2011	10	5	3	C	-999	0.9	0	0
180970057	2011	10	5	4	V	0.2	0.9	1.76	68
180970057	2011	10	5	5	C	-999	1.1	0	0
180970057	2011	10	5	6	C	-999	1.4	0	0
180970057	2011	10	5	7	C	-999	2.1	0	0
180970057	2011	10	5	8	C	-999	2.2	0	0
180970057	2011	10	5	9	C	-999	1.4	0	0
180970057	2011	10	5	10	V	16.2	4.6	1.19	183
180970057	2011	10	5	11	V	6.9	30	1.13	199
180970057	2011	10	5	12	V	5.4	16.9	1.06	194
180970057	2011	10	5	13	V	4.1	30.6	1.2	89
180970057	2011	10	5	14	V	1.2	2.2	1.62	135
180970057	2011	10	5	15	V	0.7	1.3	1.65	126
180970057	2011	10	5	16	V	0.2	4.1	1.59	148
180970057	2011	10	5	17	V	0.2	0.1	1.37	139
180970057	2011	10	5	18	V	0.1	0	1.57	108
180970057	2011	10	5	19	V	0.04	0.4	2.1	126
180970057	2011	10	5	20	V	2.0	0	2.57	183
180970057	2011	10	5	21	V	0.2	0.1	1.47	216
180970057	2011	10	5	22	V	2.5	0.2	0.77	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	5	23	V	0.5	0.5	1.11	101
180970057	2011	10	5	24	V	0.1	0.7	1.59	103
180970057	2011	10	6	1	V	0.3	0.7	1.2	120
180970057	2011	10	6	2	V	1.4	0.9	0.82	288
180970057	2011	10	6	3	V	0.1	1.5	1.57	89
180970057	2011	10	6	4	V	8.9	1.6	1.38	59
180970057	2011	10	6	5	V	19.6	1.1	1.2	56
180970057	2011	10	6	6	V	0.2	1.7	1.57	69
180970057	2011	10	6	7	V	14.4	2	1.33	43
180970057	2011	10	6	8	V	15.7	2.3	1.38	56
180970057	2011	10	6	9	V	0.5	2.5	2.44	115
180970057	2011	10	6	10	V	1.6	2.9	1.43	141
180970057	2011	10	6	11	V	1.1	3.6	1.63	149
180970057	2011	10	6	12	V	0.3	3.2	2.56	142
180970057	2011	10	6	13	V	0.2	3.7	2.96	134
180970057	2011	10	6	14	V	0.2	5.7	2.78	132
180970057	2011	10	6	15	V	0.1	0.8	3.32	127
180970057	2011	10	6	16	V	0.07	0.7	2.9	129
180970057	2011	10	6	17	V	0.01	1.9	3.12	133
180970057	2011	10	6	18	V	0.01	7.6	2.91	133
180970057	2011	10	6	19	V	0.08	2.6	1.76	136
180970057	2011	10	6	20	V	0.09	8.9	1.72	144
180970057	2011	10	6	21	V	0.04	24.1	2.13	113
180970057	2011	10	6	22	V	0.02	15.4	2.52	126
180970057	2011	10	6	23	V	0.01	7.2	2.93	133
180970057	2011	10	6	24	V	0.01	0.6	3.44	130
180970057	2011	10	7	1	V	0.01	1.8	2.69	114
180970057	2011	10	7	2	V	0.02	1.4	2.35	109
180970057	2011	10	7	3	V	0.03	0.8	2.2	107
180970057	2011	10	7	4	V	0.01	0.5	2.74	113
180970057	2011	10	7	5	V	0.04	0	2.05	122
180970057	2011	10	7	6	V	0.03	0.2	2.13	107
180970057	2011	10	7	7	V	0.5	0.2	1.99	84
180970057	2011	10	7	8	V	1.6	0.4	1.72	85
180970057	2011	10	7	9	V	0.6	4.2	2.3	116
180970057	2011	10	7	10	V	0.6	4	2.44	122
180970057	2011	10	7	11	V	0.8	3.7	1.77	136
180970057	2011	10	7	12	V	0.9	7.7	1.67	123
180970057	2011	10	7	13	V	0.7	5.7	1.74	138
180970057	2011	10	7	14	V	0.6	0.4	1.67	121
180970057	2011	10	7	15	V	0.2	0	2.32	141
180970057	2011	10	7	16	V	0.02	0	2.88	129
180970057	2011	10	7	17	V	0.01	0	3.49	136
180970057	2011	10	7	18	V	0.01	0.1	2.57	167
180970057	2011	10	7	19	V	0.02	6.2	2.33	154
180970057	2011	10	7	20	V	0.01	13.1	3.05	137

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	7	21	V	0.02	6.2	2.4	139
180970057	2011	10	7	22	V	0.01	1.9	2.93	131
180970057	2011	10	7	23	V	0.01	0.8	3.17	128
180970057	2011	10	7	24	V	0.01	1.2	3.34	128
180970057	2011	10	8	1	V	0.01	0.2	3.4	126
180970057	2011	10	8	2	V	0.01	0	3.37	130
180970057	2011	10	8	3	V	0.01	0	3.34	135
180970057	2011	10	8	4	V	0.01	0	3.05	127
180970057	2011	10	8	5	V	0.05	0	1.96	122
180970057	2011	10	8	6	V	0.1	0	1.55	107
180970057	2011	10	8	7	V	0.5	0	1.77	112
180970057	2011	10	8	8	V	0.8	0	1.84	109
180970057	2011	10	8	9	V	0.5	1.2	2.52	141
180970057	2011	10	8	10	V	2.9	4.2	2.78	175
180970057	2011	10	8	11	V	2.2	5.5	3.2	200
180970057	2011	10	8	12	V	1.3	3.4	2.76	207
180970057	2011	10	8	13	V	1.3	1.4	3.17	204
180970057	2011	10	8	14	V	1.9	3.1	2.44	179
180970057	2011	10	8	15	V	0.1	1.2	2.91	159
180970057	2011	10	8	16	V	1.3	0	3.22	180
180970057	2011	10	8	17	V	0.01	0	3.56	160
180970057	2011	10	8	18	V	0.01	0	3.08	165
180970057	2011	10	8	19	V	0.01	0	2.95	153
180970057	2011	10	8	20	V	0.01	0	3.13	157
180970057	2011	10	8	21	V	0.01	0	2.74	151
180970057	2011	10	8	22	V	0.05	0	1.99	139
180970057	2011	10	8	23	V	0.08	-999	1.79	99
180970057	2011	10	8	24	V	0.04	-999	2.16	116
180970057	2011	10	9	1	V	0.1	0	1.57	82
180970057	2011	10	9	2	V	0.1	0	1.6	99
180970057	2011	10	9	3	V	0.9	0	0.92	81
180970057	2011	10	9	4	V	0.7	0	1.02	78
180970057	2011	10	9	5	V	0.3	0	1.6	68
180970057	2011	10	9	6	V	3.4	0	1.53	61
180970057	2011	10	9	7	V	14.1	0	2.16	44
180970057	2011	10	9	8	V	5.4	0	1.48	19
180970057	2011	10	9	9	V	11.3	0	1.79	64
180970057	2011	10	9	10	V	0.7	0.2	2.18	87
180970057	2011	10	9	11	V	1.0	1.1	2.08	88
180970057	2011	10	9	12	V	0.6	0.3	2.27	84
180970057	2011	10	9	13	V	0.1	0	3.15	95
180970057	2011	10	9	14	V	0.06	0.9	3.9	88
180970057	2011	10	9	15	V	0.04	0.1	3.78	89
180970057	2011	10	9	16	V	0.05	0.1	3.97	91
180970057	2011	10	9	17	V	0.01	0	4.36	90
180970057	2011	10	9	18	V	0.02	0	3.47	90

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	9	19	V	0.01	0.4	3.59	108
180970057	2011	10	9	20	V	0.02	0	4.19	120
180970057	2011	10	9	21	V	0.02	0.1	4.02	114
180970057	2011	10	9	22	V	0.01	0.5	3.47	110
180970057	2011	10	9	23	V	0.02	0	3.61	114
180970057	2011	10	9	24	V	0.02	0	2.47	102
180970057	2011	10	10	1	V	0.02	0	2.32	106
180970057	2011	10	10	2	V	0.07	0.3	1.76	103
180970057	2011	10	10	3	V	0.04	0	2.06	99
180970057	2011	10	10	4	V	0.07	0	1.77	71
180970057	2011	10	10	5	V	0.09	0	1.64	81
180970057	2011	10	10	6	V	0.05	0	2.01	86
180970057	2011	10	10	7	V	0.4	1.2	1.98	85
180970057	2011	10	10	8	V	0.2	2.2	2.62	108
180970057	2011	10	10	9	V	0.4	2.5	2.37	116
180970057	2011	10	10	10	V	0.2	3.2	3.59	122
180970057	2011	10	10	11	V	0.8	3.4	1.82	125
180970057	2011	10	10	12	V	0.2	0.7	3.12	123
180970057	2011	10	10	13	V	0.2	0	3	129
180970057	2011	10	10	14	V	0.1	0	3.18	120
180970057	2011	10	10	15	V	0.08	0	2.98	160
180970057	2011	10	10	16	V	0.03	0	1.62	168
180970057	2011	10	10	17	V	0.01	0	2.64	123
180970057	2011	10	10	18	V	0.01	0	2.61	134
180970057	2011	10	10	19	V	0.6	0	1.03	124
180970057	2011	10	10	20	V	0.4	0.5	1.14	121
180970057	2011	10	10	21	V	0.1	1.5	1.67	121
180970057	2011	10	10	22	V	0.1	0.8	1.59	98
180970057	2011	10	10	23	V	0.2	0	1.33	86
180970057	2011	10	10	24	V	0.03	1.3	2.33	101
180970057	2011	10	11	1	V	0.01	0.7	2.98	112
180970057	2011	10	11	2	V	0.02	0.9	2.71	105
180970057	2011	10	11	3	V	4.4	0.7	1.48	61
180970057	2011	10	11	4	V	16.2	0.4	1.76	53
180970057	2011	10	11	5	V	0.5	0.6	2.04	62
180970057	2011	10	11	6	V	0.4	0.3	2.22	60
180970057	2011	10	11	7	V	7.5	0.1	2.05	63
180970057	2011	10	11	8	V	10.5	1.1	1.96	63
180970057	2011	10	11	9	V	1.9	5.5	2.27	101
180970057	2011	10	11	10	V	0.6	5.7	2.71	125
180970057	2011	10	11	11	V	1.6	3.8	1.79	116
180970057	2011	10	11	12	V	1.3	-999	1.88	125
180970057	2011	10	11	13	V	0.4	-999	3.22	121
180970057	2011	10	11	14	V	0.1	0.5	4.77	132
180970057	2011	10	11	15	V	0.07	0	5.85	145
180970057	2011	10	11	16	V	0.03	0	5.61	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	11	17	V	0.02	0	5.43	138
180970057	2011	10	11	18	V	0.04	0	3.52	129
180970057	2011	10	11	19	V	0.03	0	2.5	169
180970057	2011	10	11	20	V	0.1	0	1.91	126
180970057	2011	10	11	21	V	0.6	0	1.21	138
180970057	2011	10	11	22	V	13.1	0	0.74	174
180970057	2011	10	11	23	V	0.2	-999	1.64	135
180970057	2011	10	11	24	V	0.5	0	1.21	131
180970057	2011	10	12	1	V	0.04	0	2.2	126
180970057	2011	10	12	2	V	0.2	0	1.43	73
180970057	2011	10	12	3	V	0.06	0	2.1	100
180970057	2011	10	12	4	V	0.05	0	2.18	110
180970057	2011	10	12	5	V	0.04	0	2.47	119
180970057	2011	10	12	6	V	0.05	0	2.45	136
180970057	2011	10	12	7	V	0.2	0	3.08	118
180970057	2011	10	12	8	V	0.3	0	2.98	138
180970057	2011	10	12	9	V	0.3	0	3.13	122
180970057	2011	10	12	10	V	0.3	0	3.34	126
180970057	2011	10	12	11	V	0.3	0	3.52	115
180970057	2011	10	12	12	V	0.3	0	3.2	128
180970057	2011	10	12	13	V	0.3	0.2	2.96	127
180970057	2011	10	12	14	V	0.1	0.4	3.71	138
180970057	2011	10	12	15	V	0.07	1.1	3.8	136
180970057	2011	10	12	16	V	0.1	1	3.93	117
180970057	2011	10	12	17	V	0.04	0.1	3.41	114
180970057	2011	10	12	18	V	0.05	0	3.88	118
180970057	2011	10	12	19	V	0.06	0	3.08	120
180970057	2011	10	12	20	V	0.07	0	2.69	112
180970057	2011	10	12	21	V	0.07	0	3.4	116
180970057	2011	10	12	22	V	0.06	0	3.37	122
180970057	2011	10	12	23	V	0.07	0	3.98	140
180970057	2011	10	12	24	V	0.06	0	3.93	137
180970057	2011	10	13	1	V	0.05	0	3.17	135
180970057	2011	10	13	2	V	0.05	0	3.37	145
180970057	2011	10	13	3	V	0.06	0	2.42	147
180970057	2011	10	13	4	V	0.09	0	2.13	113
180970057	2011	10	13	5	V	0.06	0	2.52	112
180970057	2011	10	13	6	V	0.1	0	2.22	113
180970057	2011	10	13	7	V	0.5	0	2.5	117
180970057	2011	10	13	8	V	0.8	0	2.4	119
180970057	2011	10	13	9	V	1.0	0	2.47	132
180970057	2011	10	13	10	V	0.3	-999	2.88	95
180970057	2011	10	13	11	V	0.2	0	3.18	97
180970057	2011	10	13	12	V	0.4	0	2.42	109
180970057	2011	10	13	13	V	33.3	0	2.37	195
180970057	2011	10	13	14	V	5.6	0.9	4.92	182

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	13	15	V	0.08	0	3.73	215
180970057	2011	10	13	16	V	1.0	0	3.42	237
180970057	2011	10	13	17	V	0.9	0	4.39	255
180970057	2011	10	13	18	V	0.9	0	4.51	258
180970057	2011	10	13	19	V	0.8	0	3.98	239
180970057	2011	10	13	20	V	0.8	-999	6.65	256
180970057	2011	10	13	21	V	0.02	-999	6.94	297
180970057	2011	10	13	22	V	0.3	-999	5.31	281
180970057	2011	10	13	23	V	0.9	-999	4.32	258
180970057	2011	10	13	24	V	0.8	-999	6.21	261
180970057	2011	10	14	1	V	0.3	-999	7.37	278
180970057	2011	10	14	2	V	0.6	-999	6.14	273
180970057	2011	10	14	3	V	0.6	-999	6.77	272
180970057	2011	10	14	4	V	0.5	-999	6.65	274
180970057	2011	10	14	5	V	0.8	-999	5.44	262
180970057	2011	10	14	6	V	0.7	-999	5.33	256
180970057	2011	10	14	7	V	0.2	-999	5.6	254
180970057	2011	10	14	8	V	0.3	0	5.79	254
180970057	2011	10	14	9	V	0.3	0	6.31	253
180970057	2011	10	14	10	V	0.3	0	6.31	253
180970057	2011	10	14	11	V	0.3	0	7.04	249
180970057	2011	10	14	12	V	0.2	0	8.56	261
180970057	2011	10	14	13	V	0.1	0	9.92	269
180970057	2011	10	14	14	V	0.1	0	9.24	273
180970057	2011	10	14	15	V	0.1	0	9.87	270
180970057	2011	10	14	16	V	0.5	0	9.37	267
180970057	2011	10	14	17	V	0.4	0	9.17	271
180970057	2011	10	14	18	V	0.4	0	9.75	269
180970057	2011	10	14	19	V	0.5	0	8.13	268
180970057	2011	10	14	20	V	0.6	0	6.63	270
180970057	2011	10	14	21	V	0.7	0	6.18	270
180970057	2011	10	14	22	V	0.7	0	6.26	267
180970057	2011	10	14	23	V	0.6	0	6.72	269
180970057	2011	10	14	24	V	0.8	0	6.58	263
180970057	2011	10	15	1	V	0.7	0	7.35	262
180970057	2011	10	15	2	V	0.7	0	7.4	259
180970057	2011	10	15	3	V	0.7	0	7.46	261
180970057	2011	10	15	4	V	0.6	0	5.96	254
180970057	2011	10	15	5	V	0.2	0	5.96	241
180970057	2011	10	15	6	V	0.4	0	7.46	247
180970057	2011	10	15	7	V	0.2	0	6.46	255
180970057	2011	10	15	8	V	0.2	0	7.96	251
180970057	2011	10	15	9	V	0.2	0	10.06	258
180970057	2011	10	15	10	V	0.2	0	10.06	261
180970057	2011	10	15	11	V	0.2	0	9.06	265
180970057	2011	10	15	12	V	0.1	0	9.81	268

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	15	13	V	0.2	0	10.24	264
180970057	2011	10	15	14	V	0.2	0	10.61	265
180970057	2011	10	15	15	V	0.2	0	10.53	262
180970057	2011	10	15	16	V	0.4	0	10.8	269
180970057	2011	10	15	17	V	0.5	0	9.24	261
180970057	2011	10	15	18	V	0.6	0	7.98	263
180970057	2011	10	15	19	V	0.8	0	5.67	252
180970057	2011	10	15	20	V	0.9	0	4.8	243
180970057	2011	10	15	21	V	0.3	0	4.36	229
180970057	2011	10	15	22	V	0.3	0	4.76	230
180970057	2011	10	15	23	V	0.6	0	4.83	238
180970057	2011	10	15	24	V	0.5	0	4.22	236
180970057	2011	10	16	1	V	0.05	0	4.56	232
180970057	2011	10	16	2	V	0.03	0	4.49	229
180970057	2011	10	16	3	V	0.02	0	4.56	222
180970057	2011	10	16	4	V	0.1	0	4.32	211
180970057	2011	10	16	5	V	0.9	0	4.76	197
180970057	2011	10	16	6	V	2.8	0	3.75	188
180970057	2011	10	16	7	V	3.5	0	4	189
180970057	2011	10	16	8	V	0.4	0	4.97	205
180970057	2011	10	16	9	V	0.08	0.4	7.94	227
180970057	2011	10	16	10	V	0.1	0.1	8.27	229
180970057	2011	10	16	11	V	0.3	0	9.56	239
180970057	2011	10	16	12	V	0.3	0.2	9.92	238
180970057	2011	10	16	13	V	0.4	0.2	9.66	245
180970057	2011	10	16	14	V	0.3	0	10.09	248
180970057	2011	10	16	15	V	0.2	0.4	9.24	254
180970057	2011	10	16	16	V	0.5	1.4	8.5	267
180970057	2011	10	16	17	V	0.01	0	8.78	294
180970057	2011	10	16	18	V	0.01	0	7.88	310
180970057	2011	10	16	19	V	0.01	0	5.34	300
180970057	2011	10	16	20	V	0.02	0	4.27	292
180970057	2011	10	16	21	V	0.01	0	5.43	301
180970057	2011	10	16	22	V	0.01	0	4.58	298
180970057	2011	10	16	23	V	0.02	0	3.91	292
180970057	2011	10	16	24	V	0.7	0	3.34	274
180970057	2011	10	17	1	V	0.3	0	3.69	247
180970057	2011	10	17	2	V	0.3	0	3.68	248
180970057	2011	10	17	3	V	0.2	0	3.58	244
180970057	2011	10	17	4	V	0.1	0	3.85	239
180970057	2011	10	17	5	V	0.2	0	3.76	245
180970057	2011	10	17	6	V	0.2	0	3.92	241
180970057	2011	10	17	7	V	0.2	0	3.8	249
180970057	2011	10	17	8	V	0.4	0	3.47	252
180970057	2011	10	17	9	V	0.3	0	4.29	258
180970057	2011	10	17	10	V	0.5	0	4.2	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	17	11	V	0.4	0	4.49	249
180970057	2011	10	17	12	V	0.2	0	4.75	256
180970057	2011	10	17	13	V	0.3	0	6.04	250
180970057	2011	10	17	14	V	0.2	0	6.7	257
180970057	2011	10	17	15	V	0.1	0	5.22	271
180970057	2011	10	17	16	V	0.7	0	4.94	271
180970057	2011	10	17	17	V	0.5	0	4.15	277
180970057	2011	10	17	18	V	0.8	0	3.9	263
180970057	2011	10	17	19	V	0.9	0	4.61	248
180970057	2011	10	17	20	V	0.9	0	4.37	254
180970057	2011	10	17	21	V	0.8	0	4.2	259
180970057	2011	10	17	22	V	0.7	0	4.34	269
180970057	2011	10	17	23	V	0.01	0	3.2	293
180970057	2011	10	17	24	V	0.01	0	3.88	306
180970057	2011	10	18	1	V	0.01	0	4.66	321
180970057	2011	10	18	2	V	0.01	0	4.2	315
180970057	2011	10	18	3	V	0.02	0	3.1	334
180970057	2011	10	18	4	V	0.1	0	1.35	328
180970057	2011	10	18	5	V	0.1	0	2.54	238
180970057	2011	10	18	6	V	0.8	0	2.93	263
180970057	2011	10	18	7	V	0.4	0	2.71	274
180970057	2011	10	18	8	V	0.3	0	2.16	326
180970057	2011	10	18	9	V	0.2	0	3.01	351
180970057	2011	10	18	10	V	0.2	0	3.08	340
180970057	2011	10	18	11	V	0.1	0	3.42	1
180970057	2011	10	18	12	V	2.9	0	2.66	26
180970057	2011	10	18	13	V	0.1	0	3.3	12
180970057	2011	10	18	14	V	0.08	0	3.85	357
180970057	2011	10	18	15	V	0.08	0	3.44	356
180970057	2011	10	18	16	V	0.02	0	3.85	339
180970057	2011	10	18	17	V	0.01	0	4.63	359
180970057	2011	10	18	18	V	0.01	0	5.73	4
180970057	2011	10	18	19	V	0.01	0	5.96	2
180970057	2011	10	18	20	V	0.01	0	5.97	7
180970057	2011	10	18	21	V	0.01	0	4.44	8
180970057	2011	10	18	22	V	0.01	0	4.99	9
180970057	2011	10	18	23	V	0.01	-999	5.27	11
180970057	2011	10	18	24	V	0.01	0	5.51	6
180970057	2011	10	19	1	V	0.01	0	4.61	346
180970057	2011	10	19	2	V	0.01	0	6.31	12
180970057	2011	10	19	3	V	0.01	0	6.01	1
180970057	2011	10	19	4	V	0.01	0	6.28	1
180970057	2011	10	19	5	V	0.01	0	6.26	358
180970057	2011	10	19	6	V	0.01	0	6.33	3
180970057	2011	10	19	7	V	0.04	0	6.18	357
180970057	2011	10	19	8	V	0.04	0	6.26	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	19	9	V	0.04	0	6.16	353
180970057	2011	10	19	10	V	0.03	0	6.65	353
180970057	2011	10	19	11	V	0.03	0	6.65	354
180970057	2011	10	19	12	V	0.03	0	7.09	356
180970057	2011	10	19	13	V	0.03	0	7.55	352
180970057	2011	10	19	14	V	0.02	0	7.48	349
180970057	2011	10	19	15	V	0.02	0	7.64	340
180970057	2011	10	19	16	V	0.01	0	7.67	336
180970057	2011	10	19	17	V	0.01	0	7.3	327
180970057	2011	10	19	18	V	0.01	0	7.01	315
180970057	2011	10	19	19	V	0.01	0	6.26	309
180970057	2011	10	19	20	V	0.01	0	6.07	302
180970057	2011	10	19	21	V	0.01	0	6.7	303
180970057	2011	10	19	22	V	0.01	0	7.04	308
180970057	2011	10	19	23	V	0.01	0	7.89	312
180970057	2011	10	19	24	V	0.01	0	7.81	314
180970057	2011	10	20	1	V	0.01	0	8.15	315
180970057	2011	10	20	2	V	0.01	0	7.79	309
180970057	2011	10	20	3	V	0.01	0	8.91	305
180970057	2011	10	20	4	V	0.01	0	9.58	304
180970057	2011	10	20	5	V	0.02	0	8.79	292
180970057	2011	10	20	6	V	0.06	0	10.34	287
180970057	2011	10	20	7	V	0.04	0	11.58	284
180970057	2011	10	20	8	V	0.03	0	11.77	284
180970057	2011	10	20	9	V	0.05	0	11.48	281
180970057	2011	10	20	10	V	0.06	0	11.48	279
180970057	2011	10	20	11	V	0.07	0	11.02	278
180970057	2011	10	20	12	V	0.09	0	10.39	274
180970057	2011	10	20	13	V	0.09	0	10.39	273
180970057	2011	10	20	14	V	0.09	-999	9.88	272
180970057	2011	10	20	15	V	0.1	-999	9.27	267
180970057	2011	10	20	16	V	0.5	-999	8.86	266
180970057	2011	10	20	17	V	0.5	-999	8.52	265
180970057	2011	10	20	18	V	0.7	0	7.2	258
180970057	2011	10	20	19	V	0.7	0	7.88	255
180970057	2011	10	20	20	V	0.8	0	6.92	257
180970057	2011	10	20	21	V	0.8	0	6.18	253
180970057	2011	10	20	22	V	0.8	0	5.75	254
180970057	2011	10	20	23	V	0.8	0	5.38	252
180970057	2011	10	20	24	V	0.9	0	4.83	247
180970057	2011	10	21	1	V	0.2	0	4.27	243
180970057	2011	10	21	2	V	0.3	0	4.29	246
180970057	2011	10	21	3	V	0.3	0	3.86	244
180970057	2011	10	21	4	V	0.4	0	3.56	248
180970057	2011	10	21	5	V	0.1	0	4.12	238
180970057	2011	10	21	6	V	0.2	0	3.35	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	21	7	V	0.3	0	2.91	228
180970057	2011	10	21	8	V	0.6	0	3.12	239
180970057	2011	10	21	9	V	0.5	0	3.83	256
180970057	2011	10	21	10	V	0.7	0	3.18	264
180970057	2011	10	21	11	V	0.4	0.1	3.78	276
180970057	2011	10	21	12	V	0.1	0	5.77	285
180970057	2011	10	21	13	V	0.1	0	5.77	293
180970057	2011	10	21	14	V	0.1	0	5.55	285
180970057	2011	10	21	15	V	0.07	0	4.87	288
180970057	2011	10	21	16	V	0.4	0	4.8	278
180970057	2011	10	21	17	V	0.6	0	4.46	276
180970057	2011	10	21	18	V	0.8	0	3.54	265
180970057	2011	10	21	19	V	0.5	0	2.62	268
180970057	2011	10	21	20	V	0.7	0	2.1	266
180970057	2011	10	21	21	V	0.8	0	1.99	253
180970057	2011	10	21	22	V	1.0	0	1.7	265
180970057	2011	10	21	23	V	1.7	0	1.88	242
180970057	2011	10	21	24	V	1.6	0	1.99	248
180970057	2011	10	22	1	V	0.3	0	1.47	231
180970057	2011	10	22	2	V	0.4	0	1.98	242
180970057	2011	10	22	3	V	0.2	0	1.57	217
180970057	2011	10	22	4	V	0.2	0	1.6	222
180970057	2011	10	22	5	V	0.3	0	1.59	225
180970057	2011	10	22	6	V	0.2	0	1.76	220
180970057	2011	10	22	7	V	5.9	0	1.62	216
180970057	2011	10	22	8	V	17.2	0	1.54	210
180970057	2011	10	22	9	V	19.8	0	1.45	213
180970057	2011	10	22	10	V	4.2	0	2.23	222
180970057	2011	10	22	11	V	1.6	0.3	2.61	221
180970057	2011	10	22	12	V	0.6	2.1	3.46	234
180970057	2011	10	22	13	V	0.5	0	4	248
180970057	2011	10	22	14	V	0.4	0	3.81	234
180970057	2011	10	22	15	V	0.5	0	3.49	237
180970057	2011	10	22	16	V	0.4	0.3	3.1	230
180970057	2011	10	22	17	V	1.3	0	2.76	241
180970057	2011	10	22	18	V	0.08	0	2.35	213
180970057	2011	10	22	19	V	0.06	0	2.74	176
180970057	2011	10	22	20	V	0.7	0	3.15	181
180970057	2011	10	22	21	V	14.9	0	2.35	185
180970057	2011	10	22	22	V	0.03	0	2.79	162
180970057	2011	10	22	23	V	0.02	0	3.18	165
180970057	2011	10	22	24	V	0.01	0	2.59	159
180970057	2011	10	23	1	V	0.01	0	2.83	163
180970057	2011	10	23	2	V	3.6	0	2.47	192
180970057	2011	10	23	3	V	0.3	0	1.86	176
180970057	2011	10	23	4	V	0.3	0	1.3	169

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	23	5	V	0.03	0	2.16	139
180970057	2011	10	23	6	V	0.02	0	2.4	136
180970057	2011	10	23	7	V	0.1	0	2.4	135
180970057	2011	10	23	8	V	0.2	0	2.13	156
180970057	2011	10	23	9	V	0.9	0	2.57	169
180970057	2011	10	23	10	V	0.4	0	3.83	209
180970057	2011	10	23	11	V	0.1	1.1	4.71	227
180970057	2011	10	23	12	V	0.1	0.9	4.78	227
180970057	2011	10	23	13	V	0.5	0.6	3.81	236
180970057	2011	10	23	14	V	0.2	0.8	4.31	233
180970057	2011	10	23	15	V	0.09	0.1	5.27	229
180970057	2011	10	23	16	V	0.6	0	3.3	233
180970057	2011	10	23	17	V	0.9	0	3.56	252
180970057	2011	10	23	18	V	3.8	0	3.1	188
180970057	2011	10	23	19	V	1.5	0	2.57	183
180970057	2011	10	23	20	V	2.1	0	3.59	194
180970057	2011	10	23	21	V	1.4	0	3.78	197
180970057	2011	10	23	22	V	0.7	0	4.78	200
180970057	2011	10	23	23	V	0.4	0	4.63	206
180970057	2011	10	23	24	V	0.1	0	4.65	210
180970057	2011	10	24	1	V	0.04	0	4.73	215
180970057	2011	10	24	2	V	0.04	0.4	5.11	215
180970057	2011	10	24	3	V	0.07	0.3	5.22	214
180970057	2011	10	24	4	V	0.01	0.5	6.67	220
180970057	2011	10	24	5	V	0.5	0	5.77	252
180970057	2011	10	24	6	V	0.02	0	4.73	219
180970057	2011	10	24	7	V	0.06	0	4.7	220
180970057	2011	10	24	8	V	0.1	0	5.41	235
180970057	2011	10	24	9	V	0.2	0	5.5	256
180970057	2011	10	24	10	V	0.05	0	5.72	286
180970057	2011	10	24	11	V	0.04	0	6.23	295
180970057	2011	10	24	12	V	0.03	0	6.33	309
180970057	2011	10	24	13	V	0.04	0	6.18	309
180970057	2011	10	24	14	V	0.04	0	5.85	311
180970057	2011	10	24	15	V	0.03	0	6.16	320
180970057	2011	10	24	16	V	0.01	0	5.6	313
180970057	2011	10	24	17	V	0.01	0	4.53	311
180970057	2011	10	24	18	V	0.01	0	3.27	312
180970057	2011	10	24	19	V	0.09	0	1.64	297
180970057	2011	10	24	20	V	1.4	0	1.25	258
180970057	2011	10	24	21	V	8.6	0	1.18	199
180970057	2011	10	24	22	V	1.8	0	1.42	205
180970057	2011	10	24	23	V	0.3	0	1.42	212
180970057	2011	10	24	24	V	0.3	0	1.35	223
180970057	2011	10	25	1	V	3.7	0	1.48	181
180970057	2011	10	25	2	V	5.7	0	1.67	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	25	3	V	0.08	0	1.76	216
180970057	2011	10	25	4	V	1.6	0	1.77	180
180970057	2011	10	25	5	V	0.01	0	2.59	141
180970057	2011	10	25	6	V	0.01	0	2.74	149
180970057	2011	10	25	7	V	0.09	0	3.63	146
180970057	2011	10	25	8	V	0.3	0	2.64	145
180970057	2011	10	25	9	V	0.1	0	3.63	154
180970057	2011	10	25	10	V	0.2	0	4.51	169
180970057	2011	10	25	11	V	0.2	0.4	5.84	171
180970057	2011	10	25	12	V	0.9	3.8	6.91	180
180970057	2011	10	25	13	V	2.8	8.3	8.11	190
180970057	2011	10	25	14	V	2.3	2.5	7.91	186
180970057	2011	10	25	15	V	0.8	5.7	7.72	181
180970057	2011	10	25	16	V	0.6	5.8	7.28	192
180970057	2011	10	25	17	V	0.4	3.8	8.69	201
180970057	2011	10	25	18	V	0.7	2.1	6.48	191
180970057	2011	10	25	19	V	0.03	1.7	7.25	177
180970057	2011	10	25	20	V	0.6	3	6.14	187
180970057	2011	10	25	21	V	0.5	2.5	6.84	187
180970057	2011	10	25	22	V	0.4	2.4	7.25	201
180970057	2011	10	25	23	V	0.5	-999	6.8	201
180970057	2011	10	25	24	V	0.5	1.1	6.14	202
180970057	2011	10	26	1	V	0.2	0.8	7.21	208
180970057	2011	10	26	2	V	0.02	0.6	10.24	222
180970057	2011	10	26	3	V	0.02	0	8.35	218
180970057	2011	10	26	4	V	0.02	0	7.72	225
180970057	2011	10	26	5	V	0.02	0	7.35	226
180970057	2011	10	26	6	V	0.02	0	7.11	227
180970057	2011	10	26	7	V	0.04	0	6.7	228
180970057	2011	10	26	8	V	0.06	0	5.21	231
180970057	2011	10	26	9	V	0.2	0.2	5.75	233
180970057	2011	10	26	10	V	0.2	0.6	6.82	234
180970057	2011	10	26	11	V	0.3	1.1	7.5	235
180970057	2011	10	26	12	V	0.3	0.9	7.54	236
180970057	2011	10	26	13	V	0.4	0.8	7.28	241
180970057	2011	10	26	14	V	0.2	0.8	6.6	251
180970057	2011	10	26	15	V	0.02	0.5	7.11	285
180970057	2011	10	26	16	V	0.01	0	6.53	315
180970057	2011	10	26	17	V	0.01	0	5.68	319
180970057	2011	10	26	18	V	0.01	0	4.88	318
180970057	2011	10	26	19	V	0.01	0	6.41	320
180970057	2011	10	26	20	V	0.01	0	5.48	322
180970057	2011	10	26	21	V	0.02	0	3.93	316
180970057	2011	10	26	22	V	0.01	0	4.71	332
180970057	2011	10	26	23	V	0.02	0	4.27	334
180970057	2011	10	26	24	V	0.01	0	5.24	333

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	27	1	V	0.01	0	4.6	335
180970057	2011	10	27	2	V	0.02	0	3.93	339
180970057	2011	10	27	3	V	0.02	0	4.12	352
180970057	2011	10	27	4	V	0.03	0	4.19	344
180970057	2011	10	27	5	V	0.03	0	4.71	352
180970057	2011	10	27	6	V	0.03	0	4.75	357
180970057	2011	10	27	7	V	0.05	0	4.71	356
180970057	2011	10	27	8	V	0.1	0	4.12	355
180970057	2011	10	27	9	V	0.1	0	4.77	344
180970057	2011	10	27	10	V	0.1	0	4.17	359
180970057	2011	10	27	11	V	0.07	0	6.33	354
180970057	2011	10	27	12	V	0.09	0	5.53	357
180970057	2011	10	27	13	V	0.06	0	6.28	341
180970057	2011	10	27	14	V	0.04	0	6.89	337
180970057	2011	10	27	15	V	0.03	0	6.21	336
180970057	2011	10	27	16	V	0.02	0	4.87	347
180970057	2011	10	27	17	V	0.04	0	3.95	347
180970057	2011	10	27	18	V	0.03	0	4.51	335
180970057	2011	10	27	19	V	0.03	0	4.75	357
180970057	2011	10	27	20	V	0.2	0	1.7	67
180970057	2011	10	27	21	V	0.4	0	1.18	158
180970057	2011	10	27	22	V	45.5	0	1.85	193
180970057	2011	10	27	23	V	0.2	0	1.76	293
180970057	2011	10	27	24	V	0.02	0	3.36	330
180970057	2011	10	28	1	V	0.02	0	2.69	332
180970057	2011	10	28	2	V	0.1	0	1.89	326
180970057	2011	10	28	3	V	0.2	0	1.48	7
180970057	2011	10	28	4	V	0.1	0	1.74	358
180970057	2011	10	28	5	V	0.1	0	1.81	13
180970057	2011	10	28	6	V	0.03	0	2.52	25
180970057	2011	10	28	7	V	7.4	0	2.95	36
180970057	2011	10	28	8	V	13.7	0	2.39	45
180970057	2011	10	28	9	V	14.5	0	1.93	42
180970057	2011	10	28	10	V	18.2	0	2.25	49
180970057	2011	10	28	11	V	0.9	0	2.32	84
180970057	2011	10	28	12	V	0.7	0	2.54	86
180970057	2011	10	28	13	V	7.6	0	2.1	48
180970057	2011	10	28	14	V	2.0	0	2.2	19
180970057	2011	10	28	15	V	0.2	0	1.4	88
180970057	2011	10	28	16	V	0.2	0	1.65	21
180970057	2011	10	28	17	V	19.8	0	1.64	52
180970057	2011	10	28	18	V	19.7	0	1.54	42
180970057	2011	10	28	19	V	21.0	0	1.42	42
180970057	2011	10	28	20	V	0.3	0	1.45	93
180970057	2011	10	28	21	V	0.09	0	2.01	152
180970057	2011	10	28	22	V	8.6	0	3.18	185

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	28	23	V	25.7	0	3.07	190
180970057	2011	10	28	24	V	18.7	0	3.44	190
180970057	2011	10	29	1	V	5.7	0	2.2	202
180970057	2011	10	29	2	V	27.2	0	1.99	195
180970057	2011	10	29	3	V	2.1	0	1.87	206
180970057	2011	10	29	4	V	0.06	0	2.32	223
180970057	2011	10	29	5	V	0.08	0	2.04	222
180970057	2011	10	29	6	V	0.2	0	1.79	227
180970057	2011	10	29	7	V	21.8	0	2.28	198
180970057	2011	10	29	8	V	9.8	0	2.08	212
180970057	2011	10	29	9	V	1.2	0	2.95	223
180970057	2011	10	29	10	V	0.5	0.5	3.57	251
180970057	2011	10	29	11	V	0.5	0.4	3.58	254
180970057	2011	10	29	12	V	0.3	0.2	4.8	259
180970057	2011	10	29	13	V	0.1	0	5.62	280
180970057	2011	10	29	14	V	0.08	0	6.38	280
180970057	2011	10	29	15	V	0.1	0	6.41	269
180970057	2011	10	29	16	V	0.5	0	7.57	272
180970057	2011	10	29	17	V	0.1	0	6.81	284
180970057	2011	10	29	18	V	0.09	0	5.27	285
180970057	2011	10	29	19	V	0.4	0	4.08	279
180970057	2011	10	29	20	V	0.05	0	2.84	284
180970057	2011	10	29	21	V	0.03	0	2.89	290
180970057	2011	10	29	22	V	0.07	0	2.05	293
180970057	2011	10	29	23	V	1.0	0	1.54	275
180970057	2011	10	29	24	V	0.9	0	1.64	253
180970057	2011	10	30	1	V	0.6	0	1.4	208
180970057	2011	10	30	2	V	1.1	0	0.94	233
180970057	2011	10	30	3	V	0.2	0	1.3	117
180970057	2011	10	30	4	V	0.2	0	1.67	234
180970057	2011	10	30	5	V	0.09	0	1.87	230
180970057	2011	10	30	6	V	0.1	0	1.38	157
180970057	2011	10	30	7	V	0.3	0	1.65	130
180970057	2011	10	30	8	V	0.4	0	1.86	137
180970057	2011	10	30	9	V	0.5	0	1.86	153
180970057	2011	10	30	10	V	0.5	0	3.46	170
180970057	2011	10	30	11	V	0.06	0	4.99	164
180970057	2011	10	30	12	V	0.1	0.3	5.73	171
180970057	2011	10	30	13	V	1.4	3.8	6.77	182
180970057	2011	10	30	14	V	2.1	3.3	7.5	185
180970057	2011	10	30	15	V	1.8	1.9	7.57	184
180970057	2011	10	30	16	V	0.02	1	7.01	175
180970057	2011	10	30	17	V	0.02	1.3	6.18	175
180970057	2011	10	30	18	V	0.3	3.1	4.82	180
180970057	2011	10	30	19	V	0.7	0.9	3.25	181
180970057	2011	10	30	20	V	0.02	0.1	3.69	162

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	10	30	21	V	0.02	0	4.19	164
180970057	2011	10	30	22	V	0.01	0	4.59	160
180970057	2011	10	30	23	V	0.01	0.2	4.58	147
180970057	2011	10	30	24	V	0.02	0.2	4.37	154
180970057	2011	10	31	1	V	0.03	0.1	4.24	151
180970057	2011	10	31	2	V	2.6	0.3	3.08	182
180970057	2011	10	31	3	V	0.1	1.2	3.22	213
180970057	2011	10	31	4	V	2.1	0	4.71	204
180970057	2011	10	31	5	V	4.7	0	3.18	202
180970057	2011	10	31	6	V	6.2	0	4.32	200
180970057	2011	10	31	7	V	6.2	0	3.18	207
180970057	2011	10	31	8	V	29.4	0	2.5	198
180970057	2011	10	31	9	V	36.8	0	2.3	190
180970057	2011	10	31	10	V	1.5	0.9	2.54	234
180970057	2011	10	31	11	V	1.2	2.1	2.61	240
180970057	2011	10	31	12	V	0.6	5.1	3.27	239
180970057	2011	10	31	13	V	0.4	0.2	3.71	235
180970057	2011	10	31	14	V	0.3	0	3.64	261
180970057	2011	10	31	15	V	0.4	0	4	247
180970057	2011	10	31	16	V	1.0	0	3.8	251
180970057	2011	10	31	17	V	1.0	0.1	3.86	249
180970057	2011	10	31	18	V	0.9	0.9	4	252
180970057	2011	10	31	19	V	0.9	0.7	3.57	253
180970057	2011	10	31	20	V	1.3	0.1	3.13	244
180970057	2011	10	31	21	V	1.2	0	2.27	261
180970057	2011	10	31	22	V	1.1	0	2.37	262
180970057	2011	10	31	23	V	1.7	0	2.72	245
180970057	2011	10	31	24	V	1.1	0	1.55	264
180970057	2011	11	1	1	V	0.6	0	2.35	254
180970057	2011	11	1	2	V	0.4	0	1.72	241
180970057	2011	11	1	3	V	0.2	0	1.69	220
180970057	2011	11	1	4	V	0.4	0	2.35	253
180970057	2011	11	1	5	V	1.2	0	1.08	238
180970057	2011	11	1	6	V	3.9	0	1.47	208
180970057	2011	11	1	7	V	0.9	0	1.48	126
180970057	2011	11	1	8	V	1.6	0	1.77	147
180970057	2011	11	1	9	V	1.5	0	2.18	151
180970057	2011	11	1	10	V	3.4	0.5	4	173
180970057	2011	11	1	11	V	0.5	1.2	4.24	165
180970057	2011	11	1	12	V	9.7	5.7	4.54	178
180970057	2011	11	1	13	V	40.0	19	4.48	194
180970057	2011	11	1	14	V	20.8	18.1	4.31	203
180970057	2011	11	1	15	V	18.2	13.8	5.38	186
180970057	2011	11	1	16	V	5.9	11.9	6.4	199
180970057	2011	11	1	17	V	12.9	1.7	5.84	195
180970057	2011	11	1	18	V	38.3	1.2	4.05	188

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	1	19	V	0.06	0.6	3.78	168
180970057	2011	11	1	20	V	0.03	0.4	4.71	172
180970057	2011	11	1	21	V	0.04	0.1	4.31	165
180970057	2011	11	1	22	V	0.03	0	4.56	162
180970057	2011	11	1	23	V	0.02	-999	4.61	163
180970057	2011	11	1	24	V	0.02	0	4.75	169
180970057	2011	11	2	1	V	0.03	0	4.29	162
180970057	2011	11	2	2	V	0.03	0	3.05	151
180970057	2011	11	2	3	V	0.02	0	3	153
180970057	2011	11	2	4	V	0.02	0	4.15	152
180970057	2011	11	2	5	V	0.02	0	4.09	157
180970057	2011	11	2	6	V	0.03	0	2.61	174
180970057	2011	11	2	7	V	0.3	0	2.91	161
180970057	2011	11	2	8	V	0.2	0	3.66	152
180970057	2011	11	2	9	V	0.1	0.2	4.39	163
180970057	2011	11	2	10	V	0.7	1	4.7	171
180970057	2011	11	2	11	V	14.6	6.5	5.43	189
180970057	2011	11	2	12	V	10.1	9.7	6.18	198
180970057	2011	11	2	13	V	13.0	3.6	7.47	192
180970057	2011	11	2	14	V	13.0	5.2	7.14	190
180970057	2011	11	2	15	V	11.5	10.3	7.28	188
180970057	2011	11	2	16	V	6.6	7.9	7.67	191
180970057	2011	11	2	17	V	4.5	4.7	6.28	186
180970057	2011	11	2	18	V	14.8	10.1	4.51	189
180970057	2011	11	2	19	V	0.2	6.8	4.34	177
180970057	2011	11	2	20	V	0.2	1.3	3.47	176
180970057	2011	11	2	21	V	0.05	0.5	3.54	161
180970057	2011	11	2	22	V	0.03	0.1	4.9	158
180970057	2011	11	2	23	V	0.02	0	5.17	164
180970057	2011	11	2	24	V	0.03	0	4.6	162
180970057	2011	11	3	1	V	0.02	0	4.61	157
180970057	2011	11	3	2	V	0.04	0	3.56	142
180970057	2011	11	3	3	V	0.04	0	3.44	132
180970057	2011	11	3	4	V	0.03	0	4.19	134
180970057	2011	11	3	5	V	0.03	0	4.15	119
180970057	2011	11	3	6	V	0.04	0	3.93	119
180970057	2011	11	3	7	V	0.1	0.6	3.9	107
180970057	2011	11	3	8	V	0.1	3.1	4.1	104
180970057	2011	11	3	9	V	0.1	4.8	4.19	114
180970057	2011	11	3	10	V	0.08	2.1	5.58	117
180970057	2011	11	3	11	V	0.1	0	5.02	135
180970057	2011	11	3	12	V	0.09	0	5.38	114
180970057	2011	11	3	13	V	0.05	0	4.95	108
180970057	2011	11	3	14	V	0.04	0	4.53	102
180970057	2011	11	3	15	V	0.08	0	4.17	94
180970057	2011	11	3	16	V	0.05	0	3.69	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	3	17	V	1.8	0	4.03	57
180970057	2011	11	3	18	V	0.4	0	4.92	36
180970057	2011	11	3	19	V	0.2	0	5.56	35
180970057	2011	11	3	20	V	0.2	0	6.87	36
180970057	2011	11	3	21	V	0.3	0	6.82	37
180970057	2011	11	3	22	V	0.1	0	6.97	34
180970057	2011	11	3	23	V	0.04	0	7.76	31
180970057	2011	11	3	24	V	0.02	0	8.52	27
180970057	2011	11	4	1	V	0.5	0	8.66	37
180970057	2011	11	4	2	V	0.03	0	7.79	30
180970057	2011	11	4	3	V	0.02	0	8.06	29
180970057	2011	11	4	4	V	0.07	0	6.99	33
180970057	2011	11	4	5	V	0.01	0	6.82	24
180970057	2011	11	4	6	V	0.01	0	6.28	25
180970057	2011	11	4	7	V	0.7	0	6.57	29
180970057	2011	11	4	8	V	9.8	0	6.86	40
180970057	2011	11	4	9	V	10.3	0.1	4.94	54
180970057	2011	11	4	10	V	6.1	1.1	5.51	58
180970057	2011	11	4	11	V	14.1	1.2	5.26	52
180970057	2011	11	4	12	V	10.7	0.7	4.66	39
180970057	2011	11	4	13	V	1.0	0.4	4.65	28
180970057	2011	11	4	14	V	4.6	0	4.9	35
180970057	2011	11	4	15	V	14.9	0.7	5.67	51
180970057	2011	11	4	16	V	0.9	3	5.46	43
180970057	2011	11	4	17	V	0.03	1.6	4.58	32
180970057	2011	11	4	18	V	0.02	0.5	4.36	31
180970057	2011	11	4	19	V	1.8	2.5	3.54	41
180970057	2011	11	4	20	V	4.3	3.4	3.47	45
180970057	2011	11	4	21	V	4.6	2.3	4.03	47
180970057	2011	11	4	22	V	0.02	0.4	5.36	61
180970057	2011	11	4	23	V	0.01	0	5.6	72
180970057	2011	11	4	24	V	0.01	0	4.61	77
180970057	2011	11	5	1	V	0.01	0	4.31	84
180970057	2011	11	5	2	V	0.01	0	3.61	91
180970057	2011	11	5	3	V	0.01	0	3.1	93
180970057	2011	11	5	4	V	0.01	0	3.98	100
180970057	2011	11	5	5	V	0.01	0	3.73	104
180970057	2011	11	5	6	V	0.01	0	3.49	106
180970057	2011	11	5	7	V	0.07	0	3.78	101
180970057	2011	11	5	8	V	0.1	0	3.68	102
180970057	2011	11	5	9	V	0.1	0.5	4.19	116
180970057	2011	11	5	10	V	0.06	3.6	5.39	129
180970057	2011	11	5	11	V	0.09	6.9	4.68	142
180970057	2011	11	5	12	V	0.2	6.5	3.78	141
180970057	2011	11	5	13	V	0.1	5.6	3.35	128
180970057	2011	11	5	14	V	0.06	3.4	3.98	125

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	5	15	V	0.02	2.9	4.88	129
180970057	2011	11	5	16	V	0.01	3.7	5.27	128
180970057	2011	11	5	17	V	0.01	4.3	5.17	130
180970057	2011	11	5	18	V	0.01	4	3.83	126
180970057	2011	11	5	19	V	0.01	2	3.01	132
180970057	2011	11	5	20	V	0.01	1	3.18	131
180970057	2011	11	5	21	V	0.01	0.9	2.71	128
180970057	2011	11	5	22	V	0.01	1	3.15	124
180970057	2011	11	5	23	V	0.02	0.6	3.76	127
180970057	2011	11	5	24	V	0.01	0.3	3.35	133
180970057	2011	11	6	1	V	0.01	0.2	3.88	143
180970057	2011	11	6	2	V	0.01	0	4.83	141
180970057	2011	11	6	3	V	0.01	0	3.98	138
180970057	2011	11	6	4	V	0.01	0	3.49	142
180970057	2011	11	6	5	V	0.01	0	4.03	142
180970057	2011	11	6	6	V	0.01	0	4.02	142
180970057	2011	11	6	7	V	0.06	0	4.05	144
180970057	2011	11	6	8	V	0.07	0	4	146
180970057	2011	11	6	9	V	0.1	0.3	3.69	149
180970057	2011	11	6	10	V	0.7	1	7.2	178
180970057	2011	11	6	11	V	2.0	2.7	8.37	185
180970057	2011	11	6	12	V	1.8	4.2	7.94	184
180970057	2011	11	6	13	V	1.1	4.6	7.45	181
180970057	2011	11	6	14	V	0.6	3.1	7.26	179
180970057	2011	11	6	15	V	0.4	2.7	7.47	180
180970057	2011	11	6	16	V	0.06	1	6.75	178
180970057	2011	11	6	17	V	0.1	0.6	6.5	180
180970057	2011	11	6	18	V	0.1	0.3	6.06	180
180970057	2011	11	6	19	V	0.02	0	5.78	174
180970057	2011	11	6	20	V	0.02	0	5.17	172
180970057	2011	11	6	21	V	0.01	0	5.29	171
180970057	2011	11	6	22	V	0.03	0	6.02	175
180970057	2011	11	6	23	V	0.4	0	7.11	187
180970057	2011	11	6	24	V	0.9	0.3	5.7	196
180970057	2011	11	7	1	V	2.7	0.3	4.6	188
180970057	2011	11	7	2	V	3.0	0.5	4.39	192
180970057	2011	11	7	3	V	1.2	0.6	4.95	195
180970057	2011	11	7	4	V	0.8	0.3	5.68	195
180970057	2011	11	7	5	V	1.6	0.2	4.77	194
180970057	2011	11	7	6	V	0.9	0.1	3.25	182
180970057	2011	11	7	7	V	5.6	0.1	2.52	188
180970057	2011	11	7	8	V	5.0	0	2.28	182
180970057	2011	11	7	9	V	2.6	0	2.2	173
180970057	2011	11	7	10	V	1.9	0.1	2.64	172
180970057	2011	11	7	11	V	0.9	0.3	2.62	166
180970057	2011	11	7	12	V	2.1	2	3.68	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	7	13	V	0.6	1	3.44	245
180970057	2011	11	7	14	V	0.2	0.2	2.38	312
180970057	2011	11	7	15	V	0.3	0	0.77	358
180970057	2011	11	7	16	V	2.0	0	0.92	235
180970057	2011	11	7	17	V	27.3	0	0.99	56
180970057	2011	11	7	18	V	2.4	0	1.43	63
180970057	2011	11	7	19	V	0.02	0	2.23	95
180970057	2011	11	7	20	V	0.08	0	1.71	91
180970057	2011	11	7	21	V	0.02	0.5	2.72	119
180970057	2011	11	7	22	V	0.03	0	2.08	141
180970057	2011	11	7	23	V	0.3	0	1.23	149
180970057	2011	11	7	24	V	0.02	0	2.56	113
180970057	2011	11	8	1	V	0.01	0	3.44	130
180970057	2011	11	8	2	V	0.01	0	3.25	139
180970057	2011	11	8	3	V	0.01	0	3.05	144
180970057	2011	11	8	4	V	0.01	0	3.66	136
180970057	2011	11	8	5	V	0.01	0	4.34	135
180970057	2011	11	8	6	V	0.01	0	4.71	136
180970057	2011	11	8	7	V	0.04	0	5.12	133
180970057	2011	11	8	8	V	0.06	0	5.04	141
180970057	2011	11	8	9	V	0.06	0	5.33	146
180970057	2011	11	8	10	V	0.04	0	5.89	159
180970057	2011	11	8	11	V	0.04	0.1	6.43	169
180970057	2011	11	8	12	V	0.06	0.1	7.09	172
180970057	2011	11	8	13	V	2.9	0.7	8.39	190
180970057	2011	11	8	14	V	2.3	1.2	7.86	193
180970057	2011	11	8	15	V	0.04	0.5	7.74	211
180970057	2011	11	8	16	V	0.3	0.1	7.2	205
180970057	2011	11	8	17	V	0.6	0	5.5	202
180970057	2011	11	8	18	V	4.1	0	4	187
180970057	2011	11	8	19	V	1.1	0	3.51	182
180970057	2011	11	8	20	V	0.02	0	2.64	149
180970057	2011	11	8	21	V	0.02	0	3.39	143
180970057	2011	11	8	22	V	0.01	0	4.97	147
180970057	2011	11	8	23	V	0.01	-999	4.6	164
180970057	2011	11	8	24	V	0.01	0	4.85	154
180970057	2011	11	9	1	V	0.01	0	5.12	153
180970057	2011	11	9	2	V	1.7	0	4.78	189
180970057	2011	11	9	3	V	0.02	0	2.79	164
180970057	2011	11	9	4	V	0.02	0	2.66	135
180970057	2011	11	9	5	V	0.01	0	6.14	141
180970057	2011	11	9	6	V	0.01	0	7.55	151
180970057	2011	11	9	7	V	0.01	0	7.65	154
180970057	2011	11	9	8	V	0.03	0	8.08	152
180970057	2011	11	9	9	V	0.04	0	9.32	168
180970057	2011	11	9	10	V	0.3	0	8.42	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	9	11	V	0.2	0	10.43	205
180970057	2011	11	9	12	V	0.05	0	13.3	227
180970057	2011	11	9	13	V	0.2	0	13.35	236
180970057	2011	11	9	14	V	0.4	0	13.84	241
180970057	2011	11	9	15	V	0.8	0	13.18	237
180970057	2011	11	9	16	V	0.8	0	13.16	246
180970057	2011	11	9	17	V	0.4	0	12.77	255
180970057	2011	11	9	18	V	0.5	0	10.87	259
180970057	2011	11	9	19	V	0.5	0	9.44	263
180970057	2011	11	9	20	V	0.3	0	8.49	278
180970057	2011	11	9	21	V	0.4	0	8.25	275
180970057	2011	11	9	22	V	0.1	0	7.72	283
180970057	2011	11	9	23	V	0.5	0	6.02	274
180970057	2011	11	9	24	V	0.8	0	4.76	255
180970057	2011	11	10	1	V	0.2	0	4.22	242
180970057	2011	11	10	2	V	0.07	0	3.98	237
180970057	2011	11	10	3	V	0.01	0	4.2	224
180970057	2011	11	10	4	V	0.02	0	4.7	232
180970057	2011	11	10	5	V	0.02	0	4.27	230
180970057	2011	11	10	6	V	0.01	0	4.17	228
180970057	2011	11	10	7	V	0.06	0	4.02	230
180970057	2011	11	10	8	V	0.1	0	4.44	236
180970057	2011	11	10	9	V	0.4	0	4.61	237
180970057	2011	11	10	10	V	0.2	0.3	5.5	253
180970057	2011	11	10	11	V	0.2	0.2	5.6	261
180970057	2011	11	10	12	V	0.07	0	8.49	278
180970057	2011	11	10	13	V	0.09	0	9.47	272
180970057	2011	11	10	14	V	0.06	0	9.27	279
180970057	2011	11	10	15	V	0.4	0	8.61	273
180970057	2011	11	10	16	V	0.7	0	7.21	262
180970057	2011	11	10	17	V	0.6	0	6.67	270
180970057	2011	11	10	18	V	0.8	0	4.51	264
180970057	2011	11	10	19	V	0.8	0	5.29	261
180970057	2011	11	10	20	V	0.7	0	3.93	272
180970057	2011	11	10	21	V	0.7	0	4.85	270
180970057	2011	11	10	22	V	0.8	0	4.8	265
180970057	2011	11	10	23	V	0.8	0	4.83	265
180970057	2011	11	10	24	V	0.7	0	4.71	267
180970057	2011	11	11	1	V	0.7	0	4.36	272
180970057	2011	11	11	2	V	0.8	0	3.74	264
180970057	2011	11	11	3	V	0.7	0	3.73	266
180970057	2011	11	11	4	V	0.7	0	3.35	255
180970057	2011	11	11	5	V	0.2	0	3.52	244
180970057	2011	11	11	6	V	0.2	0	3.71	243
180970057	2011	11	11	7	V	0.2	0	3.63	241
180970057	2011	11	11	8	V	0.3	0	3.24	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	11	9	V	0.5	0	3.34	232
180970057	2011	11	11	10	V	0.3	0.2	3.97	232
180970057	2011	11	11	11	V	0.3	0.3	3.57	233
180970057	2011	11	11	12	V	0.1	0.9	4.12	225
180970057	2011	11	11	13	V	0.07	1	4.37	219
180970057	2011	11	11	14	V	0.5	1.7	4.8	201
180970057	2011	11	11	15	V	2.0	1.3	5.48	191
180970057	2011	11	11	16	V	0.02	0.8	5.21	175
180970057	2011	11	11	17	V	0.01	0.4	5.05	164
180970057	2011	11	11	18	V	0.01	0	4.07	159
180970057	2011	11	11	19	V	0.01	0	4.63	157
180970057	2011	11	11	20	V	0.01	0.1	4.8	163
180970057	2011	11	11	21	V	0.01	0.3	3.91	150
180970057	2011	11	11	22	V	0.01	0	4.05	160
180970057	2011	11	11	23	V	0.7	0	5.43	187
180970057	2011	11	11	24	V	0.7	0	5.72	195
180970057	2011	11	12	1	V	0.3	0.3	5.41	207
180970057	2011	11	12	2	V	0.1	0.6	8.27	233
180970057	2011	11	12	3	V	0.09	0.3	7.45	233
180970057	2011	11	12	4	V	0.01	0	6.8	224
180970057	2011	11	12	5	V	0.01	0	5.82	221
180970057	2011	11	12	6	V	0.01	0	5.65	222
180970057	2011	11	12	7	V	0.05	0	4.97	216
180970057	2011	11	12	8	V	0.2	0.3	4.56	209
180970057	2011	11	12	9	V	0.1	1.4	5.26	210
180970057	2011	11	12	10	V	0.1	1.8	5.67	210
180970057	2011	11	12	11	V	0.1	1.8	5.9	210
180970057	2011	11	12	12	V	0.09	1.6	7.08	209
180970057	2011	11	12	13	V	0.7	1	7.45	200
180970057	2011	11	12	14	V	2.5	4	8.01	191
180970057	2011	11	12	15	V	0.5	2.3	9.29	191
180970057	2011	11	12	16	V	0.4	1.7	8.95	192
180970057	2011	11	12	17	V	0.5	1.4	7.6	190
180970057	2011	11	12	18	V	0.4	1.4	7.76	187
180970057	2011	11	12	19	V	0.3	3.3	7.4	185
180970057	2011	11	12	20	V	0.3	3.8	8.27	186
180970057	2011	11	12	21	V	0.2	2.5	8.37	185
180970057	2011	11	12	22	V	0.2	2.3	9.42	185
180970057	2011	11	12	23	V	0.3	1.5	10.15	190
180970057	2011	11	12	24	V	0.4	1	10.19	195
180970057	2011	11	13	1	V	0.3	0.9	9.88	190
180970057	2011	11	13	2	V	0.3	0.9	8.85	190
180970057	2011	11	13	3	V	0.4	1	8.73	193
180970057	2011	11	13	4	V	0.3	1.2	10.12	193
180970057	2011	11	13	5	V	0.3	1.1	10.78	197
180970057	2011	11	13	6	V	0.3	1	10.9	198

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	13	7	V	0.6	0.7	10.6	198
180970057	2011	11	13	8	V	1.8	0.7	10.24	191
180970057	2011	11	13	9	V	2.2	0.7	8.96	191
180970057	2011	11	13	10	V	2.4	0.9	9.61	189
180970057	2011	11	13	11	V	2.4	1.1	11.17	190
180970057	2011	11	13	12	V	2.0	1.2	11.63	193
180970057	2011	11	13	13	V	0.3	0.8	11.67	203
180970057	2011	11	13	14	V	0.2	0.5	12.52	203
180970057	2011	11	13	15	V	0.07	0.4	12.89	207
180970057	2011	11	13	16	V	0.05	0.1	12.86	213
180970057	2011	11	13	17	V	0.09	0	12.04	226
180970057	2011	11	13	18	V	0.04	0	11.29	215
180970057	2011	11	13	19	V	0.2	0	9.88	207
180970057	2011	11	13	20	V	0.08	0	10.61	211
180970057	2011	11	13	21	V	0.1	0	11.24	210
180970057	2011	11	13	22	V	0.06	0	11.72	224
180970057	2011	11	13	23	V	0.07	0	10.32	225
180970057	2011	11	13	24	V	0.1	0	6.41	227
180970057	2011	11	14	1	V	0.01	0	7.74	223
180970057	2011	11	14	2	V	0.1	0	5.09	212
180970057	2011	11	14	3	V	0.3	0	6.86	207
180970057	2011	11	14	4	V	0.03	0	6.75	217
180970057	2011	11	14	5	V	0.07	0	5.56	214
180970057	2011	11	14	6	V	0.4	0	6.47	204
180970057	2011	11	14	7	V	0.2	0	6.6	180
180970057	2011	11	14	8	V	0.2	0	4.32	262
180970057	2011	11	14	9	V	0.3	0	3.22	216
180970057	2011	11	14	10	V	0.09	0	6.91	209
180970057	2011	11	14	11	V	0.1	0	7.47	207
180970057	2011	11	14	12	V	0.2	0	10.61	205
180970057	2011	11	14	13	V	0.04	0	11.89	211
180970057	2011	11	14	14	V	0.03	0	11.63	214
180970057	2011	11	14	15	V	0.1	0	11.24	208
180970057	2011	11	14	16	V	0.1	0	12.02	209
180970057	2011	11	14	17	V	0.03	0	12.02	216
180970057	2011	11	14	18	V	0.03	0	11.28	219
180970057	2011	11	14	19	V	0.6	0	6.41	271
180970057	2011	11	14	20	V	1.0	0	3	253
180970057	2011	11	14	21	V	1.2	0	2.59	249
180970057	2011	11	14	22	V	1.0	0	2.39	258
180970057	2011	11	14	23	V	0.5	0	2.03	235
180970057	2011	11	14	24	V	0.1	0	2.55	223
180970057	2011	11	15	1	V	0.2	0	2.37	239
180970057	2011	11	15	2	V	0.02	0	3.17	226
180970057	2011	11	15	3	V	0.02	0	3.22	223
180970057	2011	11	15	4	V	0.05	0	2.59	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	15	5	V	0.2	0	3.98	210
180970057	2011	11	15	6	V	0.04	0	5	216
180970057	2011	11	15	7	V	0.2	0	4.07	212
180970057	2011	11	15	8	V	1.4	0	3.93	200
180970057	2011	11	15	9	V	4.0	0	3.63	191
180970057	2011	11	15	10	V	3.1	0	4.09	187
180970057	2011	11	15	11	V	2.9	0	4.14	185
180970057	2011	11	15	12	V	0.9	0	5.41	200
180970057	2011	11	15	13	V	1.7	0	6.07	196
180970057	2011	11	15	14	V	0.7	0	5.36	201
180970057	2011	11	15	15	V	1.2	0	5.75	197
180970057	2011	11	15	16	V	0.8	0	5.61	196
180970057	2011	11	15	17	V	2.4	0	4.65	192
180970057	2011	11	15	18	V	0.06	0	3.78	175
180970057	2011	11	15	19	V	0.01	0	3.63	166
180970057	2011	11	15	20	V	0.03	0	4.09	173
180970057	2011	11	15	21	V	0.02	0	3.3	165
180970057	2011	11	15	22	V	0.02	0	2.61	172
180970057	2011	11	15	23	V	9.9	-999	0.77	183
180970057	2011	11	15	24	V	0.03	0	2.11	162
180970057	2011	11	16	1	V	0.8	0	1.81	205
180970057	2011	11	16	2	V	0.04	0	2.06	221
180970057	2011	11	16	3	V	0.9	0	2.18	263
180970057	2011	11	16	4	V	0.1	0	1.55	301
180970057	2011	11	16	5	V	0.02	0	3.18	302
180970057	2011	11	16	6	V	0.01	0	6.35	333
180970057	2011	11	16	7	V	0.01	0	6.41	348
180970057	2011	11	16	8	V	0.05	0	4.99	354
180970057	2011	11	16	9	V	0.04	0	4.39	346
180970057	2011	11	16	10	V	0.04	0	6.19	336
180970057	2011	11	16	11	V	0.03	0	8.13	337
180970057	2011	11	16	12	V	0.03	0	8.05	338
180970057	2011	11	16	13	V	0.03	0	7.65	336
180970057	2011	11	16	14	V	0.03	0	7.42	343
180970057	2011	11	16	15	V	0.01	0	7.57	331
180970057	2011	11	16	16	V	0.01	0	7.45	329
180970057	2011	11	16	17	V	0.01	0	7.48	319
180970057	2011	11	16	18	V	0.01	0	6.57	321
180970057	2011	11	16	19	V	0.01	0	6.63	324
180970057	2011	11	16	20	V	0.01	0	6.24	323
180970057	2011	11	16	21	V	0.02	0	5.24	327
180970057	2011	11	16	22	V	0.04	0	3.29	318
180970057	2011	11	16	23	V	0.03	0	3.01	318
180970057	2011	11	16	24	V	0.04	0	3	308
180970057	2011	11	17	1	V	0.04	0	3.47	309
180970057	2011	11	17	2	V	0.04	0.1	3.13	300

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	17	3	V	0.2	0	3.69	283
180970057	2011	11	17	4	V	0.07	0	3.52	288
180970057	2011	11	17	5	V	0.6	0	3.06	277
180970057	2011	11	17	6	V	0.8	0	3.17	266
180970057	2011	11	17	7	V	0.4	0	3.69	246
180970057	2011	11	17	8	V	0.3	0	4.19	249
180970057	2011	11	17	9	V	0.5	0	4.27	252
180970057	2011	11	17	10	V	0.3	0	5.85	265
180970057	2011	11	17	11	V	0.08	0	8.28	285
180970057	2011	11	17	12	V	0.08	0	8.96	282
180970057	2011	11	17	13	V	0.09	0	9.12	281
180970057	2011	11	17	14	V	0.05	0	11.14	288
180970057	2011	11	17	15	V	0.07	0	11.65	293
180970057	2011	11	17	16	V	0.08	0	10.44	286
180970057	2011	11	17	17	V	0.2	0	8.49	280
180970057	2011	11	17	18	V	0.6	0	5.36	274
180970057	2011	11	17	19	V	0.9	0	4.12	251
180970057	2011	11	17	20	V	0.5	0	4	235
180970057	2011	11	17	21	V	0.1	0	3.49	223
180970057	2011	11	17	22	V	0.07	0	2.76	218
180970057	2011	11	17	23	V	0.1	0	2.91	209
180970057	2011	11	17	24	V	0.06	0	3.39	213
180970057	2011	11	18	1	V	0.1	1.3	3.88	211
180970057	2011	11	18	2	V	0.5	2.9	3.59	207
180970057	2011	11	18	3	V	36.6	1.2	3.44	195
180970057	2011	11	18	4	V	33.8	2.2	3.61	190
180970057	2011	11	18	5	V	40.1	5.1	3.73	192
180970057	2011	11	18	6	V	36.1	2.7	3.1	189
180970057	2011	11	18	7	V	0.7	0.7	3.2	177
180970057	2011	11	18	8	V	43.6	0.6	3.39	188
180970057	2011	11	18	9	V	16.5	8.1	5.73	185
180970057	2011	11	18	10	V	7.3	18.5	7.99	181
180970057	2011	11	18	11	V	24.9	10.6	9.05	190
180970057	2011	11	18	12	V	26.3	5.9	9.34	192
180970057	2011	11	18	13	V	12.8	3.8	8.27	184
180970057	2011	11	18	14	V	7.6	2.3	8.95	182
180970057	2011	11	18	15	V	17.1	0.1	8.79	188
180970057	2011	11	18	16	V	4.2	0.1	8.91	183
180970057	2011	11	18	17	V	0.06	0.2	7.18	173
180970057	2011	11	18	18	V	0.02	0.1	5.97	168
180970057	2011	11	18	19	V	0.02	0	5.26	159
180970057	2011	11	18	20	V	0.02	0.3	5.19	163
180970057	2011	11	18	21	V	0.02	0.2	5.51	171
180970057	2011	11	18	22	V	0.02	0.2	5.43	168
180970057	2011	11	18	23	V	0.02	0.2	5.67	168
180970057	2011	11	18	24	V	0.07	0.3	5.72	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	19	1	V	3.9	1	7.13	186
180970057	2011	11	19	2	V	7.9	19.3	7.94	196
180970057	2011	11	19	3	V	8.0	23.7	6.96	193
180970057	2011	11	19	4	V	10.8	11.5	5.8	190
180970057	2011	11	19	5	V	5.9	4.1	6.26	186
180970057	2011	11	19	6	V	0.2	1.8	6.23	177
180970057	2011	11	19	7	V	0.3	1.4	5.94	174
180970057	2011	11	19	8	V	1.3	1.3	6.07	176
180970057	2011	11	19	9	V	6.2	1.2	6.86	181
180970057	2011	11	19	10	V	7.9	1.5	7.62	182
180970057	2011	11	19	11	V	2.0	1.1	7.5	177
180970057	2011	11	19	12	V	13.4	1.9	7.43	185
180970057	2011	11	19	13	V	0.07	0.8	5.8	170
180970057	2011	11	19	14	V	0.1	0.9	5.72	174
180970057	2011	11	19	15	V	0.7	1.3	7.91	177
180970057	2011	11	19	16	V	0.09	1.1	8.22	173
180970057	2011	11	19	17	V	0.05	0.8	7.77	172
180970057	2011	11	19	18	V	2.3	0.7	7.54	182
180970057	2011	11	19	19	V	0.5	0.3	7.3	177
180970057	2011	11	19	20	V	10.1	0.2	7.01	188
180970057	2011	11	19	21	V	7.9	5.5	6.79	199
180970057	2011	11	19	22	V	0.1	1.3	7.23	212
180970057	2011	11	19	23	V	1.6	1.1	10.56	208
180970057	2011	11	19	24	V	0.1	0.8	10.61	214
180970057	2011	11	20	1	V	0.03	0.3	9.7	222
180970057	2011	11	20	2	V	0.02	0	9.12	220
180970057	2011	11	20	3	V	0.05	0	8.79	227
180970057	2011	11	20	4	V	0.1	0	6.82	235
180970057	2011	11	20	5	V	0.04	0	6.82	229
180970057	2011	11	20	6	V	0.02	0	6.11	226
180970057	2011	11	20	7	V	0.05	0	5.41	229
180970057	2011	11	20	8	V	0.3	0	4.17	240
180970057	2011	11	20	9	V	0.1	0	4.48	292
180970057	2011	11	20	10	V	0.1	0	4.19	330
180970057	2011	11	20	11	V	0.09	0	3.46	346
180970057	2011	11	20	12	V	0.07	0	3.44	11
180970057	2011	11	20	13	V	1.2	0	2.59	30
180970057	2011	11	20	14	V	0.03	0	3.63	12
180970057	2011	11	20	15	V	0.07	0	3.01	359
180970057	2011	11	20	16	V	0.04	0	3.52	9
180970057	2011	11	20	17	V	0.04	0	4.03	19
180970057	2011	11	20	18	V	0.03	0	4.37	16
180970057	2011	11	20	19	V	0.03	0	4.54	13
180970057	2011	11	20	20	V	0.03	0	4.92	19
180970057	2011	11	20	21	V	0.1	0	5.46	34
180970057	2011	11	20	22	V	0.4	0	5.41	57

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	20	23	V	0.7	0	3.69	60
180970057	2011	11	20	24	V	1.6	0	3.69	57
180970057	2011	11	21	1	V	0.04	0.7	4.54	14
180970057	2011	11	21	2	V	0.6	0	4.49	36
180970057	2011	11	21	3	V	0.9	1	5.11	55
180970057	2011	11	21	4	V	0.03	0	5.41	69
180970057	2011	11	21	5	V	2.0	0.5	4.82	52
180970057	2011	11	21	6	V	0.1	0	4.46	63
180970057	2011	11	21	7	V	3.2	0	4.29	54
180970057	2011	11	21	8	V	13.7	0.5	4.19	52
180970057	2011	11	21	9	V	0.6	0	3.97	70
180970057	2011	11	21	10	V	0.2	0	4.68	86
180970057	2011	11	21	11	V	0.2	0	4.44	76
180970057	2011	11	21	12	V	0.1	0	5.14	82
180970057	2011	11	21	13	V	0.07	0	4.88	88
180970057	2011	11	21	14	V	0.05	0	4.6	78
180970057	2011	11	21	15	V	0.09	0	4.37	78
180970057	2011	11	21	16	V	0.06	0	4.58	84
180970057	2011	11	21	17	V	0.07	0	4.37	70
180970057	2011	11	21	18	V	0.05	0	4.85	69
180970057	2011	11	21	19	V	1.3	0.3	5.12	53
180970057	2011	11	21	20	V	0.4	0	4.75	59
180970057	2011	11	21	21	V	0.05	-999	5.07	69
180970057	2011	11	21	22	V	0.07	-999	4.37	69
180970057	2011	11	21	23	V	0.06	-999	4.61	69
180970057	2011	11	21	24	V	0.04	-999	5.04	67
180970057	2011	11	22	1	V	0.1	-999	4.29	64
180970057	2011	11	22	2	V	0.4	-999	3.93	61
180970057	2011	11	22	3	V	0.2	-999	4.51	61
180970057	2011	11	22	4	V	0.04	-999	4.83	70
180970057	2011	11	22	5	V	0.03	-999	5.34	75
180970057	2011	11	22	6	V	0.06	-999	3.88	80
180970057	2011	11	22	7	V	0.09	-999	2.86	92
180970057	2011	11	22	8	V	0.3	-999	3.23	76
180970057	2011	11	22	9	V	0.1	-999	5.79	78
180970057	2011	11	22	10	V	0.1	-999	5.07	89
180970057	2011	11	22	11	V	0.1	-999	4.87	79
180970057	2011	11	22	12	V	0.1	-999	5.92	85
180970057	2011	11	22	13	V	0.1	0	5.17	88
180970057	2011	11	22	14	V	0.1	0.4	5.22	115
180970057	2011	11	22	15	V	0.07	0	4.83	136
180970057	2011	11	22	16	V	14.3	0	4.82	185
180970057	2011	11	22	17	V	0.07	0	3.95	310
180970057	2011	11	22	18	V	0.2	0	4.25	284
180970057	2011	11	22	19	V	0.5	0	5.41	276
180970057	2011	11	22	20	V	0.4	0	7.72	276

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	22	21	V	0.05	0	6.07	289
180970057	2011	11	22	22	V	0.03	0	6.09	303
180970057	2011	11	22	23	V	0.02	0	6.5	309
180970057	2011	11	22	24	V	0.01	0	7.55	324
180970057	2011	11	23	1	V	0.02	0	6.38	331
180970057	2011	11	23	2	V	0.02	0	5.92	309
180970057	2011	11	23	3	V	0.02	0	6.18	315
180970057	2011	11	23	4	V	0.02	0	5.87	316
180970057	2011	11	23	5	V	0.02	0	6.13	317
180970057	2011	11	23	6	V	0.02	0	5.56	323
180970057	2011	11	23	7	V	0.04	0	5.38	320
180970057	2011	11	23	8	V	0.1	0	4.32	314
180970057	2011	11	23	9	V	0.3	0	3.93	304
180970057	2011	11	23	10	V	0.3	0	3.88	311
180970057	2011	11	23	11	V	0.1	0	4.07	295
180970057	2011	11	23	12	V	0.1	0	3.49	290
180970057	2011	11	23	13	V	0.09	0	3.12	289
180970057	2011	11	23	14	V	0.1	0	2.98	280
180970057	2011	11	23	15	V	0.1	0	2.69	296
180970057	2011	11	23	16	V	1.0	0	2.27	262
180970057	2011	11	23	17	V	1.0	0	2.52	256
180970057	2011	11	23	18	V	1.0	0	3.32	251
180970057	2011	11	23	19	V	1.2	0	3.8	245
180970057	2011	11	23	20	V	0.3	0	3.76	229
180970057	2011	11	23	21	V	0.1	0	3.71	220
180970057	2011	11	23	22	V	0.06	0	3.27	219
180970057	2011	11	23	23	V	0.2	0	2.25	211
180970057	2011	11	23	24	V	0.5	0	3.12	208
180970057	2011	11	24	1	V	0.04	0	4.77	231
180970057	2011	11	24	2	V	0.01	0	4.93	222
180970057	2011	11	24	3	V	0.08	0	4.1	214
180970057	2011	11	24	4	V	0.03	0	4.2	219
180970057	2011	11	24	5	V	0.03	0	5.14	217
180970057	2011	11	24	6	V	0.1	0	4.08	213
180970057	2011	11	24	7	V	0.3	0	4.25	208
180970057	2011	11	24	8	V	0.4	0	4.63	203
180970057	2011	11	24	9	V	0.9	0	4.75	200
180970057	2011	11	24	10	V	0.3	0	5.26	205
180970057	2011	11	24	11	V	0.3	0	5.62	202
180970057	2011	11	24	12	V	0.9	0	5.73	197
180970057	2011	11	24	13	V	1.7	0	5.77	193
180970057	2011	11	24	14	V	2.1	0	5.8	191
180970057	2011	11	24	15	V	0.3	0	5.02	208
180970057	2011	11	24	16	V	0.8	0.1	4.49	199
180970057	2011	11	24	17	V	0.6	0	5.56	187
180970057	2011	11	24	18	V	4.0	0	4.12	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	24	19	V	0.8	0	4.7	184
180970057	2011	11	24	20	V	0.7	0	5.68	186
180970057	2011	11	24	21	V	1.3	0	5.38	192
180970057	2011	11	24	22	V	1.1	0	5.39	188
180970057	2011	11	24	23	V	1.4	0	3.69	185
180970057	2011	11	24	24	V	1.1	0	4.26	183
180970057	2011	11	25	1	V	0.2	0	3.95	180
180970057	2011	11	25	2	V	0.02	0	4.09	175
180970057	2011	11	25	3	V	0.01	0	3.07	174
180970057	2011	11	25	4	V	1.8	0.4	3.61	188
180970057	2011	11	25	5	V	1.3	1.2	4.8	190
180970057	2011	11	25	6	V	0.6	0	4.07	182
180970057	2011	11	25	7	V	3.2	0	3.49	189
180970057	2011	11	25	8	V	1.9	0	3.69	201
180970057	2011	11	25	9	V	2.6	0	4.07	197
180970057	2011	11	25	10	V	1.8	0	5.26	196
180970057	2011	11	25	11	V	0.7	0.7	6.74	201
180970057	2011	11	25	12	V	0.5	1.2	7.88	202
180970057	2011	11	25	13	V	1.0	1.3	7.93	199
180970057	2011	11	25	14	V	0.3	1	8.78	203
180970057	2011	11	25	15	V	0.2	0.6	8.83	207
180970057	2011	11	25	16	V	0.4	0.6	8.18	199
180970057	2011	11	25	17	V	0.6	1.2	6.82	190
180970057	2011	11	25	18	V	1.2	0.3	5.34	193
180970057	2011	11	25	19	V	0.09	0.1	4.9	178
180970057	2011	11	25	20	V	0.4	0.2	4.37	180
180970057	2011	11	25	21	V	0.05	0.1	4.82	176
180970057	2011	11	25	22	V	0.5	0	4.82	181
180970057	2011	11	25	23	V	1.2	0	5.53	188
180970057	2011	11	25	24	V	1.0	0.2	5.44	195
180970057	2011	11	26	1	V	0.8	0.7	6.29	193
180970057	2011	11	26	2	V	0.7	0.8	5.89	196
180970057	2011	11	26	3	V	0.6	1	5.45	200
180970057	2011	11	26	4	V	0.7	1.1	5.24	199
180970057	2011	11	26	5	V	0.5	1.4	5.41	202
180970057	2011	11	26	6	V	0.8	1	5.17	198
180970057	2011	11	26	7	V	0.07	0.1	5.43	177
180970057	2011	11	26	8	V	0.05	0	5.16	164
180970057	2011	11	26	9	V	0.05	0	5.26	164
180970057	2011	11	26	10	V	0.08	0.3	5.73	168
180970057	2011	11	26	11	V	0.2	2.4	6.52	172
180970057	2011	11	26	12	V	2.4	3.7	9.18	190
180970057	2011	11	26	13	V	2.3	2.5	8.9	192
180970057	2011	11	26	14	V	2.2	1.1	9.54	193
180970057	2011	11	26	15	V	0.5	1.1	7.83	191
180970057	2011	11	26	16	V	1.7	1.4	4.87	191

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	26	17	V	0.1	0.4	4.44	177
180970057	2011	11	26	18	V	0.06	0	5.09	176
180970057	2011	11	26	19	V	0.02	0	3.46	154
180970057	2011	11	26	20	V	0.02	0	4.26	135
180970057	2011	11	26	21	V	0.01	0	5.38	163
180970057	2011	11	26	22	V	0.01	0	5.61	171
180970057	2011	11	26	23	V	0.01	0	6.07	171
180970057	2011	11	26	24	V	0.3	0	9.78	200
180970057	2011	11	27	1	V	0.02	0	4.99	228
180970057	2011	11	27	2	V	0.6	0	4.02	204
180970057	2011	11	27	3	V	1.2	0	5.21	191
180970057	2011	11	27	4	V	0.2	0	4.88	180
180970057	2011	11	27	5	V	2.2	0	3.97	188
180970057	2011	11	27	6	V	0.01	0	5.58	297
180970057	2011	11	27	7	V	0.01	0	4.93	304
180970057	2011	11	27	8	V	0.04	0	4.97	307
180970057	2011	11	27	9	V	0.02	0	4.48	301
180970057	2011	11	27	10	V	0.03	0	4.2	294
180970057	2011	11	27	11	V	0.04	0	4.44	285
180970057	2011	11	27	12	V	0.03	0	4.53	292
180970057	2011	11	27	13	V	0.02	0	4.9	294
180970057	2011	11	27	14	V	0.02	0	5.53	291
180970057	2011	11	27	15	V	0.02	0	5.36	293
180970057	2011	11	27	16	V	0.01	0	4.85	294
180970057	2011	11	27	17	V	0.01	0	4.56	300
180970057	2011	11	27	18	V	0.01	0	4.6	304
180970057	2011	11	27	19	V	0.01	0	5.51	325
180970057	2011	11	27	20	V	0.01	0	6.06	334
180970057	2011	11	27	21	V	0.01	0	6.79	341
180970057	2011	11	27	22	V	0.01	0	6.09	353
180970057	2011	11	27	23	V	0.01	-999	5.73	359
180970057	2011	11	27	24	V	0.01	0	5.67	3
180970057	2011	11	28	1	V	0.01	0	6.09	5
180970057	2011	11	28	2	V	0.01	0	5.96	4
180970057	2011	11	28	3	V	0.01	0	5.53	6
180970057	2011	11	28	4	V	0.01	0	6.16	5
180970057	2011	11	28	5	V	0.01	0	6.21	15
180970057	2011	11	28	6	V	0.01	0	6.18	23
180970057	2011	11	28	7	V	0.01	0	6.41	24
180970057	2011	11	28	8	V	0.05	0	6.11	22
180970057	2011	11	28	9	V	0.06	0	6.65	22
180970057	2011	11	28	10	V	0.3	0	6.91	27
180970057	2011	11	28	11	V	0.3	0	7.86	30
180970057	2011	11	28	12	V	0.4	0	7.99	31
180970057	2011	11	28	13	V	0.03	0	7.64	25
180970057	2011	11	28	14	V	0.03	0	8.27	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	28	15	V	0.01	0	8.15	27
180970057	2011	11	28	16	V	0.01	0	8.85	27
180970057	2011	11	28	17	V	1.1	0	10.02	37
180970057	2011	11	28	18	V	0.04	0	9.42	29
180970057	2011	11	28	19	V	0.08	0	9.75	30
180970057	2011	11	28	20	V	0.09	0	9.41	31
180970057	2011	11	28	21	V	0.02	0	9.59	27
180970057	2011	11	28	22	V	0.01	0	9.7	25
180970057	2011	11	28	23	V	0.03	0	9.64	28
180970057	2011	11	28	24	V	0.01	0	8.96	23
180970057	2011	11	29	1	V	0.01	0	8.98	25
180970057	2011	11	29	2	V	1.1	0.4	4.15	46
180970057	2011	11	29	3	V	0.02	0	4.6	27
180970057	2011	11	29	4	V	0.01	0	6.31	18
180970057	2011	11	29	5	V	0.01	0	7.6	27
180970057	2011	11	29	6	V	0.09	0	4.85	33
180970057	2011	11	29	7	V	0.02	0	4.48	25
180970057	2011	11	29	8	V	0.04	0	5.16	16
180970057	2011	11	29	9	V	0.05	0	5.33	10
180970057	2011	11	29	10	V	0.02	0	5.51	10
180970057	2011	11	29	11	V	0.03	0	5.33	18
180970057	2011	11	29	12	V	0.03	0	3.52	9
180970057	2011	11	29	13	V	0.02	0	4.82	344
180970057	2011	11	29	14	V	0.02	0	6.69	337
180970057	2011	11	29	15	V	0.01	0	7.16	334
180970057	2011	11	29	16	V	0.01	0	7.91	331
180970057	2011	11	29	17	V	0.01	0	9.13	337
180970057	2011	11	29	18	V	0.01	0	9.12	339
180970057	2011	11	29	19	V	0.01	0	8.05	339
180970057	2011	11	29	20	V	0.01	0	6.77	329
180970057	2011	11	29	21	V	0.01	0	4.51	313
180970057	2011	11	29	22	V	0.01	0	4.73	306
180970057	2011	11	29	23	V	0.01	0	7.31	306
180970057	2011	11	29	24	V	0.01	0	6.67	300
180970057	2011	11	30	1	V	0.02	0	5.79	296
180970057	2011	11	30	2	V	0.01	0	6.21	294
180970057	2011	11	30	3	V	0.02	0	6.6	292
180970057	2011	11	30	4	V	0.03	0	6.26	290
180970057	2011	11	30	5	V	0.08	0	6.57	286
180970057	2011	11	30	6	V	0.08	0	6.21	286
180970057	2011	11	30	7	V	0.06	0	6.28	288
180970057	2011	11	30	8	V	0.1	0	5.09	290
180970057	2011	11	30	9	V	0.2	0	4.53	288
180970057	2011	11	30	10	V	0.2	0	5.05	287
180970057	2011	11	30	11	V	0.4	0	4.27	306
180970057	2011	11	30	12	V	1.5	0	2.66	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	11	30	13	V	0.8	0	2.88	272
180970057	2011	11	30	14	V	0.3	0	3.3	280
180970057	2011	11	30	15	V	0.07	0	3.22	294
180970057	2011	11	30	16	V	0.04	0	3.1	296
180970057	2011	11	30	17	V	0.8	0	2.62	277
180970057	2011	11	30	18	V	0.2	0	1.99	288
180970057	2011	11	30	19	V	0.4	0.5	1.62	309
180970057	2011	11	30	20	V	7.7	1.1	0.72	255
180970057	2011	11	30	21	V	0.9	1.3	1.5	230
180970057	2011	11	30	22	V	6.2	1.7	1.57	208
180970057	2011	11	30	23	V	73.8	0.9	1.35	200
180970057	2011	11	30	24	V	7.8	1.2	0.69	224
180970057	2011	12	1	1	V	2.4	2	0.96	302
180970057	2011	12	1	2	V	6.2	2.7	0.72	162
180970057	2011	12	1	3	V	57.4	2.6	0.87	182
180970057	2011	12	1	4	V	1.6	2.9	1.11	307
180970057	2011	12	1	5	V	36.1	2.7	1.67	184
180970057	2011	12	1	6	V	60.1	0.8	2.52	195
180970057	2011	12	1	7	V	30.9	1.1	1.3	181
180970057	2011	12	1	8	V	48.3	0.4	1.09	193
180970057	2011	12	1	9	V	32.7	0.7	1.14	172
180970057	2011	12	1	10	V	14.2	0.5	2.45	173
180970057	2011	12	1	11	V	36.8	1.5	3.15	185
180970057	2011	12	1	12	V	34.8	2.3	3.54	199
180970057	2011	12	1	13	V	5.0	2.1	3.27	212
180970057	2011	12	1	14	V	21.6	2.2	2.72	205
180970057	2011	12	1	15	V	5.4	4.2	2.17	204
180970057	2011	12	1	16	V	0.8	4.3	5.36	180
180970057	2011	12	1	17	V	43.1	1.8	3.36	192
180970057	2011	12	1	18	V	0.6	0.8	2.86	179
180970057	2011	12	1	19	V	0.07	0.4	2.86	212
180970057	2011	12	1	20	V	0.1	0.3	2.36	214
180970057	2011	12	1	21	C	-999	0.3	0	0
180970057	2011	12	1	22	C	-999	0.1	0	0
180970057	2011	12	1	23	V	0.4	0.1	1.76	221
180970057	2011	12	1	24	V	0.08	0.2	3.36	214
180970057	2011	12	2	1	V	0.05	0.1	2.86	226
180970057	2011	12	2	2	V	0.1	0	3.36	212
180970057	2011	12	2	3	V	0.2	0	1.76	231
180970057	2011	12	2	4	V	0.9	0	2.36	264
180970057	2011	12	2	5	V	0.2	0	3.36	241
180970057	2011	12	2	6	V	0.3	0	2.86	247
180970057	2011	12	2	7	V	0.8	0	2.36	265
180970057	2011	12	2	8	V	1.0	0.1	2.36	271
180970057	2011	12	2	9	V	0.6	0.3	2.36	338
180970057	2011	12	2	10	V	0.2	0.1	4.36	1

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	2	11	V	0.2	0.3	4.86	15
180970057	2011	12	2	12	V	0.5	0.3	2.86	14
180970057	2011	12	2	13	M	-999	1	2.36	999
180970057	2011	12	2	14	V	1.6	0.4	2.33	68
180970057	2011	12	2	15	V	0.1	0	2.69	72
180970057	2011	12	2	16	V	0.1	0	3.69	66
180970057	2011	12	2	17	V	0.08	0	3.9	72
180970057	2011	12	2	18	V	0.05	0	4.63	85
180970057	2011	12	2	19	V	0.05	0	4.56	89
180970057	2011	12	2	20	V	0.03	0	3.59	96
180970057	2011	12	2	21	V	0.05	0	3.3	112
180970057	2011	12	2	22	V	0.06	0	3.24	113
180970057	2011	12	2	23	V	0.05	0	3.34	109
180970057	2011	12	2	24	V	0.03	0	3.32	117
180970057	2011	12	3	1	V	0.03	0	3.18	128
180970057	2011	12	3	2	V	0.05	0	3.91	126
180970057	2011	12	3	3	V	0.05	1.1	4.53	146
180970057	2011	12	3	4	V	0.05	1.8	2.96	149
180970057	2011	12	3	5	V	0.03	2.4	2.96	125
180970057	2011	12	3	6	V	0.03	1.3	3.42	143
180970057	2011	12	3	7	V	0.06	1	3.37	144
180970057	2011	12	3	8	V	0.3	0.7	3.01	131
180970057	2011	12	3	9	V	0.5	1	2.57	144
180970057	2011	12	3	10	V	0.4	1.4	3.1	147
180970057	2011	12	3	11	V	0.6	2.2	2.81	147
180970057	2011	12	3	12	V	0.6	3	3	141
180970057	2011	12	3	13	V	0.4	3.1	3.64	163
180970057	2011	12	3	14	V	0.3	2.5	3.32	151
180970057	2011	12	3	15	V	0.08	2.2	4.27	134
180970057	2011	12	3	16	V	0.03	1.9	5.31	128
180970057	2011	12	3	17	V	0.04	2.4	5.33	135
180970057	2011	12	3	18	V	0.04	1.3	5.39	141
180970057	2011	12	3	19	V	0.02	1.7	6.07	141
180970057	2011	12	3	20	V	0.02	1.8	6.82	149
180970057	2011	12	3	21	V	0.03	1.1	4.85	152
180970057	2011	12	3	22	V	0.05	0.6	4.37	148
180970057	2011	12	3	23	V	0.04	0.6	4.31	144
180970057	2011	12	3	24	V	0.02	1.9	4.76	161
180970057	2011	12	4	1	V	0.02	1.6	6.43	172
180970057	2011	12	4	2	V	0.5	0.9	7.45	181
180970057	2011	12	4	3	V	0.2	0.8	8.01	178
180970057	2011	12	4	4	V	0.2	0.7	7.25	178
180970057	2011	12	4	5	V	0.3	0.7	7.93	180
180970057	2011	12	4	6	V	0.2	0.7	5.94	240
180970057	2011	12	4	7	V	5.9	0	6.53	197
180970057	2011	12	4	8	V	0.7	0	8.32	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	4	9	V	7.0	1	8.9	185
180970057	2011	12	4	10	V	0.1	0	9.49	172
180970057	2011	12	4	11	V	8.0	0	8	198
180970057	2011	12	4	12	V	12.3	0.6	6.72	192
180970057	2011	12	4	13	V	12.4	2.3	7.3	191
180970057	2011	12	4	14	V	15.0	2.2	5.82	195
180970057	2011	12	4	15	V	15.0	0	5.55	195
180970057	2011	12	4	16	V	7.9	0.2	5.77	187
180970057	2011	12	4	17	V	0.2	0	5.1	176
180970057	2011	12	4	18	V	0.2	0	5.72	177
180970057	2011	12	4	19	V	0.2	0	3.42	224
180970057	2011	12	4	20	V	0.04	0	4.65	338
180970057	2011	12	4	21	V	0.04	0	4.51	334
180970057	2011	12	4	22	V	0.06	0	3.85	350
180970057	2011	12	4	23	V	0.05	-999	3.2	356
180970057	2011	12	4	24	V	0.04	0	3.71	347
180970057	2011	12	5	1	V	0.04	0	3.88	2
180970057	2011	12	5	2	V	0.03	0	4.27	6
180970057	2011	12	5	3	V	0.04	0	3.42	358
180970057	2011	12	5	4	V	0.05	0	3.88	10
180970057	2011	12	5	5	V	0.05	0	3.88	17
180970057	2011	12	5	6	V	0.05	0	3.27	355
180970057	2011	12	5	7	V	0.06	0	4.15	341
180970057	2011	12	5	8	V	0.2	0	3.81	19
180970057	2011	12	5	9	V	0.3	0	3.97	21
180970057	2011	12	5	10	V	0.2	0	4.53	7
180970057	2011	12	5	11	V	0.07	0	5.99	13
180970057	2011	12	5	12	V	0.07	0	6.24	13
180970057	2011	12	5	13	V	0.06	0	5.7	6
180970057	2011	12	5	14	V	0.05	0	6.12	4
180970057	2011	12	5	15	V	0.04	0	5.73	5
180970057	2011	12	5	16	V	0.03	0	6.18	8
180970057	2011	12	5	17	V	0.03	0	5.97	5
180970057	2011	12	5	18	V	0.03	0	5.84	5
180970057	2011	12	5	19	V	0.03	0	6.43	11
180970057	2011	12	5	20	V	0.02	0	7.03	358
180970057	2011	12	5	21	V	0.02	0	7.81	16
180970057	2011	12	5	22	V	0.8	0	8.28	41
180970057	2011	12	5	23	V	0.2	1.4	6.72	37
180970057	2011	12	5	24	V	0.02	0	6.81	18
180970057	2011	12	6	1	V	0.02	0	6.91	25
180970057	2011	12	6	2	V	0.02	0	6.65	22
180970057	2011	12	6	3	V	0.02	0	6.29	23
180970057	2011	12	6	4	V	0.5	0	6.48	40
180970057	2011	12	6	5	V	0.03	0	6.5	31
180970057	2011	12	6	6	V	0.02	0	6.24	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	6	7	V	0.03	0	5.94	21
180970057	2011	12	6	8	V	0.05	0	6.09	21
180970057	2011	12	6	9	V	0.08	0	6.79	18
180970057	2011	12	6	10	V	0.1	0	6.94	22
180970057	2011	12	6	11	V	0.3	0	6.77	26
180970057	2011	12	6	12	V	5.3	0	5.75	36
180970057	2011	12	6	13	V	0.1	0	4.71	14
180970057	2011	12	6	14	V	0.1	0	5.29	5
180970057	2011	12	6	15	V	0.1	0	5.46	32
180970057	2011	12	6	16	V	0.05	0	4.85	10
180970057	2011	12	6	17	V	0.07	0	4.24	359
180970057	2011	12	6	18	V	0.07	0	4.26	12
180970057	2011	12	6	19	V	0.07	0	4.54	360
180970057	2011	12	6	20	V	0.05	0	4.99	11
180970057	2011	12	6	21	V	0.07	0	3.59	16
180970057	2011	12	6	22	V	0.07	0	3.51	348
180970057	2011	12	6	23	V	0.07	0	3.42	6
180970057	2011	12	6	24	V	0.06	0	3.46	6
180970057	2011	12	7	1	V	0.05	0	3.52	6
180970057	2011	12	7	2	V	0.06	0	3.86	340
180970057	2011	12	7	3	V	0.05	0	4.36	350
180970057	2011	12	7	4	V	0.05	0	3.36	6
180970057	2011	12	7	5	V	0.05	0	4.36	4
180970057	2011	12	7	6	V	0.04	0	4.36	360
180970057	2011	12	7	7	V	0.05	0	2.86	5
180970057	2011	12	7	8	V	0.2	0	2.86	360
180970057	2011	12	7	9	V	0.6	0	2.3	8
180970057	2011	12	7	10	V	0.2	0	2.33	351
180970057	2011	12	7	11	V	4.2	0	0.82	330
180970057	2011	12	7	12	V	0.6	0	2.52	264
180970057	2011	12	7	13	V	0.4	0	3.27	272
180970057	2011	12	7	14	V	0.03	0	6.23	302
180970057	2011	12	7	15	V	0.06	0	6.89	287
180970057	2011	12	7	16	V	0.07	0	6.72	286
180970057	2011	12	7	17	V	0.5	0	6.06	275
180970057	2011	12	7	18	V	0.8	0	5.16	264
180970057	2011	12	7	19	V	0.8	0	5.19	253
180970057	2011	12	7	20	V	0.8	0	5.38	249
180970057	2011	12	7	21	V	1.1	0	4.34	247
180970057	2011	12	7	22	V	1.2	0	3.91	245
180970057	2011	12	7	23	V	1.1	0	4.68	247
180970057	2011	12	7	24	V	0.9	0	4.26	251
180970057	2011	12	8	1	V	0.3	0	4.07	249
180970057	2011	12	8	2	V	0.2	0	3.2	251
180970057	2011	12	8	3	V	0.2	0	3.01	241
180970057	2011	12	8	4	V	0.08	0	2.83	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	8	5	V	0.06	0	3.01	221
180970057	2011	12	8	6	V	0.2	0	2.54	209
180970057	2011	12	8	7	V	0.1	0	2.32	170
180970057	2011	12	8	8	V	33.3	0.2	3.08	200
180970057	2011	12	8	9	V	12.1	0.9	2.73	212
180970057	2011	12	8	10	V	4.9	4.1	3.2	215
180970057	2011	12	8	11	V	10.7	3.5	2.88	215
180970057	2011	12	8	12	V	13.8	4.8	3.3	205
180970057	2011	12	8	13	V	9.7	9.6	4.76	203
180970057	2011	12	8	14	V	0.1	7.6	6.62	230
180970057	2011	12	8	15	V	0.4	2	6.57	233
180970057	2011	12	8	16	V	1.0	0.8	5.56	244
180970057	2011	12	8	17	V	0.09	0.4	4.22	220
180970057	2011	12	8	18	V	0.09	1.3	3.05	220
180970057	2011	12	8	19	V	8.9	4.4	3.39	203
180970057	2011	12	8	20	V	1.5	1.7	3.47	207
180970057	2011	12	8	21	V	0.2	1.2	2.84	223
180970057	2011	12	8	22	V	0.2	1.1	2.1	212
180970057	2011	12	8	23	V	116.1	1.1	1.45	191
180970057	2011	12	8	24	V	97.1	0.6	1.13	187
180970057	2011	12	9	1	V	0.6	0.5	1.33	161
180970057	2011	12	9	2	V	9.6	0.8	3.37	184
180970057	2011	12	9	3	V	0.08	0.7	2.27	216
180970057	2011	12	9	4	V	0.3	0.6	1.76	230
180970057	2011	12	9	5	V	0.2	0.9	1.81	307
180970057	2011	12	9	6	V	1.1	0.9	1.33	251
180970057	2011	12	9	7	V	1.1	0.8	1.81	256
180970057	2011	12	9	8	V	0.3	0.8	2.01	219
180970057	2011	12	9	9	V	8.3	0.5	2.2	214
180970057	2011	12	9	10	V	0.5	0.5	2.91	239
180970057	2011	12	9	11	V	0.3	0.5	3.69	269
180970057	2011	12	9	12	V	0.07	0.2	4.1	305
180970057	2011	12	9	13	V	0.05	0	5.39	319
180970057	2011	12	9	14	V	0.02	0	4.85	311
180970057	2011	12	9	15	V	0.06	0	5.02	298
180970057	2011	12	9	16	V	0.06	0	4.66	305
180970057	2011	12	9	17	V	0.04	0	5.12	299
180970057	2011	12	9	18	V	0.05	0	4.75	306
180970057	2011	12	9	19	V	0.04	0	4.14	310
180970057	2011	12	9	20	V	0.04	0	3.69	308
180970057	2011	12	9	21	V	0.1	0	2.27	302
180970057	2011	12	9	22	V	0.09	0	2.66	302
180970057	2011	12	9	23	V	0.04	0	3.23	300
180970057	2011	12	9	24	V	0.06	0	2.93	294
180970057	2011	12	10	1	V	0.03	0	4.34	301
180970057	2011	12	10	2	V	0.02	0	5.12	313

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	10	3	V	0.03	0	4.32	309
180970057	2011	12	10	4	V	0.03	0	3.46	300
180970057	2011	12	10	5	V	0.09	0	2.44	298
180970057	2011	12	10	6	V	0.2	0	1.93	284
180970057	2011	12	10	7	V	1.2	0	2.16	262
180970057	2011	12	10	8	V	0.6	0	2.54	245
180970057	2011	12	10	9	V	1.6	0	2.39	253
180970057	2011	12	10	10	V	1.1	0.1	3.18	266
180970057	2011	12	10	11	V	0.9	0.4	2.64	260
180970057	2011	12	10	12	V	0.6	0.4	3.35	261
180970057	2011	12	10	13	V	0.5	0.1	3.34	253
180970057	2011	12	10	14	V	0.6	0	3.2	245
180970057	2011	12	10	15	V	0.8	0	3.12	274
180970057	2011	12	10	16	V	0.8	0.3	3.32	255
180970057	2011	12	10	17	V	1.5	0	3.07	242
180970057	2011	12	10	18	V	0.4	0	3.13	229
180970057	2011	12	10	19	V	1.8	0	2.78	243
180970057	2011	12	10	20	V	0.5	0	2.54	269
180970057	2011	12	10	21	V	1.2	0	1.67	252
180970057	2011	12	10	22	V	8.3	0	1.38	209
180970057	2011	12	10	23	V	72.8	0	2.15	190
180970057	2011	12	10	24	V	91.0	0	1.94	195
180970057	2011	12	11	1	V	123.7	0	1.13	193
180970057	2011	12	11	2	V	46.3	0	1.84	199
180970057	2011	12	11	3	V	2.0	0	2.21	179
180970057	2011	12	11	4	V	90.0	0	1.62	194
180970057	2011	12	11	5	V	82.6	0	1.5	191
180970057	2011	12	11	6	V	0.09	0	2.35	162
180970057	2011	12	11	7	V	0.04	0	2.98	161
180970057	2011	12	11	8	V	0.2	0	3.39	153
180970057	2011	12	11	9	V	0.8	0	3.52	165
180970057	2011	12	11	10	V	47.4	1.1	2.76	184
180970057	2011	12	11	11	V	6.3	1.3	3.27	171
180970057	2011	12	11	12	V	1.1	2	3.66	166
180970057	2011	12	11	13	V	2.6	5.2	2.78	166
180970057	2011	12	11	14	V	0.4	1.1	3.03	155
180970057	2011	12	11	15	V	0.06	0.2	3.25	164
180970057	2011	12	11	16	V	0.03	0.3	3.51	157
180970057	2011	12	11	17	V	0.03	0.3	3.35	145
180970057	2011	12	11	18	V	0.03	0	3.63	132
180970057	2011	12	11	19	V	0.04	0	3.32	131
180970057	2011	12	11	20	V	0.04	0	3.25	144
180970057	2011	12	11	21	V	0.04	0	3.59	150
180970057	2011	12	11	22	V	0.04	0	3.47	155
180970057	2011	12	11	23	V	0.07	-999	2.74	147
180970057	2011	12	11	24	V	0.06	0	2.88	138

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	12	1	V	0.06	0	3	140
180970057	2011	12	12	2	V	0.3	0.7	1.71	124
180970057	2011	12	12	3	V	0.06	3.3	2.66	129
180970057	2011	12	12	4	V	0.2	2.7	1.99	143
180970057	2011	12	12	5	V	0.4	1.3	1.6	147
180970057	2011	12	12	6	V	1.9	1	1.08	94
180970057	2011	12	12	7	V	2.4	1.5	1.04	96
180970057	2011	12	12	8	V	1.7	2.8	1.4	107
180970057	2011	12	12	9	V	2.7	2.6	1.65	98
180970057	2011	12	12	10	V	5.7	4	1.4	101
180970057	2011	12	12	11	V	6.1	3.5	1.42	118
180970057	2011	12	12	12	V	13.0	17.5	1.43	159
180970057	2011	12	12	13	V	25.1	18.7	1.42	218
180970057	2011	12	12	14	V	51.3	16.1	2.35	201
180970057	2011	12	12	15	V	64.3	35.3	2.74	190
180970057	2011	12	12	16	V	77.8	19.7	2.5	190
180970057	2011	12	12	17	V	0.1	5	2.32	162
180970057	2011	12	12	18	V	0.1	2	2.32	140
180970057	2011	12	12	19	V	0.05	0.9	3.12	142
180970057	2011	12	12	20	V	0.07	0.9	2.83	127
180970057	2011	12	12	21	V	0.08	0.9	2.76	125
180970057	2011	12	12	22	V	0.08	0.8	2.52	145
180970057	2011	12	12	23	V	0.4	0.7	1.52	157
180970057	2011	12	12	24	V	0.4	0.7	1.48	120
180970057	2011	12	13	1	V	0.6	0.4	1.31	148
180970057	2011	12	13	2	V	3.1	0.3	0.86	141
180970057	2011	12	13	3	V	0.5	0.2	1.42	149
180970057	2011	12	13	4	V	1.1	0.3	1.11	151
180970057	2011	12	13	5	V	0.1	0.2	2.01	134
180970057	2011	12	13	6	V	0.1	0.3	2.1	134
180970057	2011	12	13	7	V	0.06	0.9	2.62	129
180970057	2011	12	13	8	V	1.6	1.1	1.6	172
180970057	2011	12	13	9	V	38.8	1.2	1.64	204
180970057	2011	12	13	10	V	2.6	1.2	1.6	156
180970057	2011	12	13	11	V	49.1	1.6	1.89	202
180970057	2011	12	13	12	V	5.7	1.4	2.13	217
180970057	2011	12	13	13	V	3.9	2.5	2.59	215
180970057	2011	12	13	14	V	17.4	3	2.54	205
180970057	2011	12	13	15	V	0.1	4	2.62	153
180970057	2011	12	13	16	V	0.2	7.7	3.05	175
180970057	2011	12	13	17	V	58.3	3.4	3.42	191
180970057	2011	12	13	18	V	0.2	1.6	3.18	175
180970057	2011	12	13	19	V	0.08	0.7	3.69	166
180970057	2011	12	13	20	V	0.1	0.1	3.25	174
180970057	2011	12	13	21	V	0.08	0	3.05	157
180970057	2011	12	13	22	V	0.07	0	4.14	161

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	13	23	V	0.07	0	3.73	168
180970057	2011	12	13	24	V	0.06	0	3.42	170
180970057	2011	12	14	1	V	23.4	0	3.66	187
180970057	2011	12	14	2	V	1.1	0	3.12	179
180970057	2011	12	14	3	V	0.07	0	2.5	173
180970057	2011	12	14	4	V	0.07	0	2.33	125
180970057	2011	12	14	5	V	0.05	0	3.54	137
180970057	2011	12	14	6	V	0.05	0	4.27	134
180970057	2011	12	14	7	V	0.06	0	3.73	127
180970057	2011	12	14	8	V	0.2	0	3.44	142
180970057	2011	12	14	9	V	0.2	0	4.27	141
180970057	2011	12	14	10	V	0.2	0	4.46	144
180970057	2011	12	14	11	V	0.2	0	4.2	161
180970057	2011	12	14	12	V	20.3	0	5.27	186
180970057	2011	12	14	13	V	25.9	0.2	5.9	197
180970057	2011	12	14	14	V	31.6	4.5	7.71	193
180970057	2011	12	14	15	V	14.9	8.8	7.35	191
180970057	2011	12	14	16	V	2.1	6.5	7.81	182
180970057	2011	12	14	17	V	14.3	9.8	7.25	192
180970057	2011	12	14	18	V	8.8	2.6	7.42	198
180970057	2011	12	14	19	V	0.7	3.4	9.08	207
180970057	2011	12	14	20	V	1.0	0.8	7.82	206
180970057	2011	12	14	21	V	1.7	0.9	6.65	181
180970057	2011	12	14	22	V	0.02	0	7.93	167
180970057	2011	12	14	23	V	0.02	0	8.2	170
180970057	2011	12	14	24	V	0.6	0	8.64	180
180970057	2011	12	15	1	V	5.4	0.9	9.56	195
180970057	2011	12	15	2	V	0.9	0.2	10.43	195
180970057	2011	12	15	3	V	0.3	0	11.11	194
180970057	2011	12	15	4	V	0.3	0	9.97	201
180970057	2011	12	15	5	V	0.4	0	9.37	201
180970057	2011	12	15	6	V	0.03	0	9.46	214
180970057	2011	12	15	7	V	0.01	0	8.79	217
180970057	2011	12	15	8	V	0.01	0	9.64	221
180970057	2011	12	15	9	V	0.04	0	9.63	226
180970057	2011	12	15	10	V	0.06	0	9.32	228
180970057	2011	12	15	11	V	0.2	0	10.83	252
180970057	2011	12	15	12	V	0.08	0	10.34	272
180970057	2011	12	15	13	V	0.09	0	10.31	268
180970057	2011	12	15	14	V	0.06	0	10.75	278
180970057	2011	12	15	15	V	0.3	0	11.11	276
180970057	2011	12	15	16	V	0.2	0	10.72	277
180970057	2011	12	15	17	V	0.3	0	9.73	276
180970057	2011	12	15	18	V	0.2	0	8.9	280
180970057	2011	12	15	19	V	0.2	0	9.29	281
180970057	2011	12	15	20	V	0.02	0	8.83	289

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	15	21	V	0.01	0	8.88	296
180970057	2011	12	15	22	V	0.01	0	7.18	292
180970057	2011	12	15	23	V	0.01	0	6.5	295
180970057	2011	12	15	24	V	0.02	0	5.82	290
180970057	2011	12	16	1	V	0.05	0	4.83	287
180970057	2011	12	16	2	V	0.2	0	4.83	283
180970057	2011	12	16	3	V	0.01	0	4.87	307
180970057	2011	12	16	4	V	0.01	0	3.74	314
180970057	2011	12	16	5	V	0.02	0	2.42	316
180970057	2011	12	16	6	V	0.04	0	2.01	297
180970057	2011	12	16	7	V	0.03	0	2.16	296
180970057	2011	12	16	8	V	0.06	0	2.03	306
180970057	2011	12	16	9	V	0.4	0	1.79	288
180970057	2011	12	16	10	V	1.1	0	1.5	251
180970057	2011	12	16	11	V	1.1	0	1.52	274
180970057	2011	12	16	12	V	0.2	0.2	1.82	300
180970057	2011	12	16	13	V	0.1	0.3	2.67	310
180970057	2011	12	16	14	V	0.02	0	3.27	311
180970057	2011	12	16	15	V	0.02	0	3.32	328
180970057	2011	12	16	16	V	0.01	0	3.83	318
180970057	2011	12	16	17	V	0.01	0	4.05	312
180970057	2011	12	16	18	V	0.01	0	4.27	322
180970057	2011	12	16	19	V	0.01	0	3.2	313
180970057	2011	12	16	20	V	0.01	0	2.89	298
180970057	2011	12	16	21	V	0.03	0	2.3	299
180970057	2011	12	16	22	V	0.03	0	2.28	295
180970057	2011	12	16	23	V	0.02	0	2.54	304
180970057	2011	12	16	24	V	0.01	0	2.76	307
180970057	2011	12	17	1	V	0.02	0	2.42	301
180970057	2011	12	17	2	V	0.07	0	2.01	284
180970057	2011	12	17	3	V	0.2	0	1.54	285
180970057	2011	12	17	4	V	0.05	0	1.98	291
180970057	2011	12	17	5	V	0.09	0	1.7	293
180970057	2011	12	17	6	V	0.07	0	1.76	292
180970057	2011	12	17	7	V	0.6	0	1.33	246
180970057	2011	12	17	8	V	0.7	0	1.43	208
180970057	2011	12	17	9	V	0.6	0	2.62	240
180970057	2011	12	17	10	V	3.8	0	1.89	176
180970057	2011	12	17	11	V	5.1	0	3.22	191
180970057	2011	12	17	12	V	0.1	0	3.78	218
180970057	2011	12	17	13	V	0.1	1.4	3.44	223
180970057	2011	12	17	14	V	0.5	0.3	3.91	241
180970057	2011	12	17	15	V	0.07	0.6	2.66	222
180970057	2011	12	17	16	V	0.2	0.4	2.91	227
180970057	2011	12	17	17	V	0.5	0.1	4.29	235
180970057	2011	12	17	18	V	0.6	0.2	3.49	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	17	19	V	0.05	0	3.22	214
180970057	2011	12	17	20	V	0.3	0	3.13	228
180970057	2011	12	17	21	V	0.5	0	4.05	235
180970057	2011	12	17	22	V	1.3	0	3.68	245
180970057	2011	12	17	23	V	0.8	0	3.59	251
180970057	2011	12	17	24	V	1.2	0	3.15	248
180970057	2011	12	18	1	V	0.1	0	3.56	240
180970057	2011	12	18	2	V	0.01	0	3.03	229
180970057	2011	12	18	3	V	0.01	0	3.13	229
180970057	2011	12	18	4	V	0.02	0	2.54	216
180970057	2011	12	18	5	V	0.01	0	3.69	226
180970057	2011	12	18	6	V	0.1	0	3.12	238
180970057	2011	12	18	7	V	0.02	0	2.64	224
180970057	2011	12	18	8	V	0.1	0	2.98	232
180970057	2011	12	18	9	V	5.2	0	2.37	197
180970057	2011	12	18	10	V	4.3	0	2.35	203
180970057	2011	12	18	11	V	0.4	0	3.05	224
180970057	2011	12	18	12	V	0.3	0.5	3.61	225
180970057	2011	12	18	13	V	0.07	0.6	5.14	227
180970057	2011	12	18	14	V	0.03	0.7	4.48	220
180970057	2011	12	18	15	V	0.6	2.7	4.42	181
180970057	2011	12	18	16	V	0.9	1	5.22	196
180970057	2011	12	18	17	V	0.02	0.5	4.09	219
180970057	2011	12	18	18	V	0.02	0.6	4.44	216
180970057	2011	12	18	19	V	3.3	0.8	3.83	190
180970057	2011	12	18	20	V	4.6	0.2	4.19	192
180970057	2011	12	18	21	V	3.1	0	4.17	194
180970057	2011	12	18	22	V	1.2	0	5.79	196
180970057	2011	12	18	23	V	0.7	-999	4.85	202
180970057	2011	12	18	24	V	0.6	0	5.17	203
180970057	2011	12	19	1	V	3.5	0	4.8	195
180970057	2011	12	19	2	V	4.5	0.1	4.59	190
180970057	2011	12	19	3	V	4.6	0.8	5.26	187
180970057	2011	12	19	4	V	13.0	1.8	4.15	188
180970057	2011	12	19	5	V	24.7	1.5	4.05	195
180970057	2011	12	19	6	V	4.5	1.8	4.58	204
180970057	2011	12	19	7	V	0.7	2.5	4.68	209
180970057	2011	12	19	8	V	0.03	1.9	7.11	219
180970057	2011	12	19	9	V	0.08	1.1	7.13	221
180970057	2011	12	19	10	V	0.08	1.1	7.38	219
180970057	2011	12	19	11	V	0.1	1.3	6.33	225
180970057	2011	12	19	12	V	0.1	1.2	7.3	226
180970057	2011	12	19	13	V	0.08	0.9	7.06	224
180970057	2011	12	19	14	V	0.1	0.7	6.91	228
180970057	2011	12	19	15	V	0.3	0.4	5.58	229
180970057	2011	12	19	16	V	0.09	0.3	5.72	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	19	17	V	0.2	0.1	7.6	232
180970057	2011	12	19	18	V	0.1	0	5.34	224
180970057	2011	12	19	19	V	0.3	0	4.37	228
180970057	2011	12	19	20	V	0.3	0	3.34	210
180970057	2011	12	19	21	V	0.1	0	3.49	221
180970057	2011	12	19	22	V	0.5	0	3.86	236
180970057	2011	12	19	23	V	0.1	0	3.05	213
180970057	2011	12	19	24	V	0.08	0	3.17	221
180970057	2011	12	20	1	V	0.3	0	2.54	246
180970057	2011	12	20	2	V	0.4	0	1.77	238
180970057	2011	12	20	3	V	0.05	0	3.12	327
180970057	2011	12	20	4	V	3.4	0	4.61	44
180970057	2011	12	20	5	V	3.5	0.1	4.59	50
180970057	2011	12	20	6	V	5.0	0	3.73	52
180970057	2011	12	20	7	V	6.0	0	3.86	51
180970057	2011	12	20	8	V	0.1	0	3.95	81
180970057	2011	12	20	9	V	0.2	0	3.37	87
180970057	2011	12	20	10	V	0.2	0	3.86	79
180970057	2011	12	20	11	V	0.4	0	3.51	78
180970057	2011	12	20	12	V	0.1	0	3.15	87
180970057	2011	12	20	13	V	0.07	0	2.74	92
180970057	2011	12	20	14	V	0.03	0	3.03	86
180970057	2011	12	20	15	V	0.08	0	3.13	89
180970057	2011	12	20	16	V	0.05	0	3.81	107
180970057	2011	12	20	17	V	0.05	0	4.07	100
180970057	2011	12	20	18	V	0.05	0	4.65	105
180970057	2011	12	20	19	V	0.04	0	5.09	126
180970057	2011	12	20	20	V	0.05	0	4.41	132
180970057	2011	12	20	21	V	0.06	0	3.3	138
180970057	2011	12	20	22	V	0.06	0	3.2	122
180970057	2011	12	20	23	V	0.05	0	3.06	131
180970057	2011	12	20	24	V	0.05	0	3.07	117
180970057	2011	12	21	1	V	0.05	0	3.12	118
180970057	2011	12	21	2	V	0.05	0	3.73	129
180970057	2011	12	21	3	V	0.05	0	2.71	156
180970057	2011	12	21	4	V	0.06	0	2.52	318
180970057	2011	12	21	5	V	0.2	0	1.74	95
180970057	2011	12	21	6	V	10.6	0	2.67	201
180970057	2011	12	21	7	V	24.7	0	3.95	198
180970057	2011	12	21	8	V	0.2	0	3.49	216
180970057	2011	12	21	9	V	0.4	0	4.37	228
180970057	2011	12	21	10	V	0.5	0	4.34	231
180970057	2011	12	21	11	V	0.1	0	6.5	279
180970057	2011	12	21	12	V	0.2	0	6.62	265
180970057	2011	12	21	13	V	0.2	0	8.28	265
180970057	2011	12	21	14	V	0.2	0	7.42	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	21	15	V	0.9	0	6.69	258
180970057	2011	12	21	16	V	0.9	0	5.24	254
180970057	2011	12	21	17	V	0.8	0	6.77	256
180970057	2011	12	21	18	V	0.8	0	5.38	266
180970057	2011	12	21	19	V	0.8	0	4.83	265
180970057	2011	12	21	20	V	0.9	0	3.63	261
180970057	2011	12	21	21	V	0.9	0	3.39	254
180970057	2011	12	21	22	V	0.9	0	3.81	262
180970057	2011	12	21	23	V	0.7	0	3.51	274
180970057	2011	12	21	24	V	1.1	0	1.65	256
180970057	2011	12	22	1	V	0.8	0	1.98	255
180970057	2011	12	22	2	V	0.1	0	1.99	284
180970057	2011	12	22	3	V	0.1	0	1.77	223
180970057	2011	12	22	4	V	0.3	0	1.5	224
180970057	2011	12	22	5	V	1.4	0	1.06	245
180970057	2011	12	22	6	V	44.5	0	1.5	193
180970057	2011	12	22	7	V	16.0	0	1.04	178
180970057	2011	12	22	8	V	32.3	0	1.2	49
180970057	2011	12	22	9	V	0.7	0	1.72	7
180970057	2011	12	22	10	V	4.9	0	1.31	22
180970057	2011	12	22	11	V	11.5	0	2.57	40
180970057	2011	12	22	12	V	0.7	0.1	1.94	127
180970057	2011	12	22	13	V	6.8	0	2.23	173
180970057	2011	12	22	14	V	0.8	0	1.48	130
180970057	2011	12	22	15	V	15.2	0	1.4	39
180970057	2011	12	22	16	V	0.05	0.1	2.52	4
180970057	2011	12	22	17	V	0.05	0	3.42	18
180970057	2011	12	22	18	V	0.05	0	2.67	9
180970057	2011	12	22	19	V	0.05	0	3.93	339
180970057	2011	12	22	20	V	0.06	0	2.25	20
180970057	2011	12	22	21	V	0.2	0	1.74	324
180970057	2011	12	22	22	V	0.06	0	2.39	290
180970057	2011	12	22	23	V	0.02	0	3.68	296
180970057	2011	12	22	24	V	0.01	0	4.83	311
180970057	2011	12	23	1	V	0.01	0	3.78	314
180970057	2011	12	23	2	V	0.01	0	4.73	328
180970057	2011	12	23	3	V	0.01	0	5.33	331
180970057	2011	12	23	4	V	0.01	0	6.23	349
180970057	2011	12	23	5	V	0.01	0	5.92	356
180970057	2011	12	23	6	V	0.01	0	5.72	8
180970057	2011	12	23	7	V	0.02	0	3.93	1
180970057	2011	12	23	8	V	0.05	0	4.2	5
180970057	2011	12	23	9	V	0.03	0	4.15	359
180970057	2011	12	23	10	V	0.06	0	3.51	1
180970057	2011	12	23	11	V	2.5	0	2.88	31
180970057	2011	12	23	12	V	11.3	2.7	1.94	52

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	23	13	V	1.0	2.9	1.09	100
180970057	2011	12	23	14	V	0.3	0	1.52	233
180970057	2011	12	23	15	V	0.6	0	1.81	269
180970057	2011	12	23	16	V	1.3	0	3.3	248
180970057	2011	12	23	17	V	0.2	0	2.78	227
180970057	2011	12	23	18	V	0.6	0	3.17	237
180970057	2011	12	23	19	V	1.1	0	4.09	247
180970057	2011	12	23	20	V	0.9	0	3.91	260
180970057	2011	12	23	21	V	1.0	0	4.59	248
180970057	2011	12	23	22	V	0.8	0	5.05	253
180970057	2011	12	23	23	V	0.8	0	5.02	252
180970057	2011	12	23	24	V	0.8	0	5.31	259
180970057	2011	12	24	1	V	0.8	0	3.98	257
180970057	2011	12	24	2	V	0.2	0	4.22	244
180970057	2011	12	24	3	V	0.01	0	3.86	229
180970057	2011	12	24	4	V	0.01	0	3.24	217
180970057	2011	12	24	5	V	0.01	0	3.32	219
180970057	2011	12	24	6	V	1.1	0	3.05	200
180970057	2011	12	24	7	V	3.0	0	2.45	184
180970057	2011	12	24	8	V	4.7	0	3.2	186
180970057	2011	12	24	9	V	5.1	0	3.37	192
180970057	2011	12	24	10	V	3.0	0	4.34	196
180970057	2011	12	24	11	V	0.8	0.2	4.49	202
180970057	2011	12	24	12	V	1.8	0.6	4.58	198
180970057	2011	12	24	13	V	1.7	1	5.31	195
180970057	2011	12	24	14	V	0.04	0.9	6.28	211
180970057	2011	12	24	15	V	0.5	0.9	6.55	235
180970057	2011	12	24	16	V	0.5	0.4	7.06	236
180970057	2011	12	24	17	V	0.1	0.1	6.14	228
180970057	2011	12	24	18	V	0.02	0	4.41	218
180970057	2011	12	24	19	V	0.1	0	4.32	210
180970057	2011	12	24	20	V	0.04	0	4	212
180970057	2011	12	24	21	V	0.01	0	3.64	216
180970057	2011	12	24	22	V	0.01	0	4.12	216
180970057	2011	12	24	23	V	0.04	0	4.27	221
180970057	2011	12	24	24	V	0.3	0	4.76	231
180970057	2011	12	25	1	V	0.1	0	4.2	240
180970057	2011	12	25	2	V	0.04	0	4.85	233
180970057	2011	12	25	3	V	0.03	0	4.53	233
180970057	2011	12	25	4	V	0.2	0	4	241
180970057	2011	12	25	5	V	0.01	0	4.05	228
180970057	2011	12	25	6	V	0.01	0	4.48	224
180970057	2011	12	25	7	V	0.01	0	3.63	227
180970057	2011	12	25	8	V	0.09	0	4.27	233
180970057	2011	12	25	9	V	0.06	0	5.33	225
180970057	2011	12	25	10	V	0.09	0	5.87	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	25	11	V	0.1	0.7	7.11	230
180970057	2011	12	25	12	V	0.3	0.9	7.57	236
180970057	2011	12	25	13	V	0.2	0.9	8.08	250
180970057	2011	12	25	14	V	0.2	1.2	8.28	251
180970057	2011	12	25	15	V	0.3	0.6	9.27	277
180970057	2011	12	25	16	V	0.05	0	9.42	286
180970057	2011	12	25	17	V	0.02	0	8.27	289
180970057	2011	12	25	18	V	0.05	0	5.85	286
180970057	2011	12	25	19	V	0.04	0	4.48	286
180970057	2011	12	25	20	V	0.08	0	3.92	284
180970057	2011	12	25	21	V	0.6	0	4.14	267
180970057	2011	12	25	22	V	0.7	0	3.64	275
180970057	2011	12	25	23	V	0.01	-999	3.34	294
180970057	2011	12	25	24	V	0.01	0	2.95	297
180970057	2011	12	26	1	V	0.02	0	2.5	297
180970057	2011	12	26	2	V	0.9	0	2.49	263
180970057	2011	12	26	3	V	0.1	0	3.37	242
180970057	2011	12	26	4	V	0.2	0	3.24	247
180970057	2011	12	26	5	V	0.2	0	2.5	248
180970057	2011	12	26	6	V	3.4	0	1.21	179
180970057	2011	12	26	7	V	0.03	0	2.28	130
180970057	2011	12	26	8	V	0.2	0	1.98	146
180970057	2011	12	26	9	V	2.1	0	1.26	159
180970057	2011	12	26	10	V	0.3	0	2.64	143
180970057	2011	12	26	11	V	0.1	0	4.17	137
180970057	2011	12	26	12	V	0.04	0	5.38	151
180970057	2011	12	26	13	V	0.03	0	5.85	151
180970057	2011	12	26	14	V	0.02	0	5.92	143
180970057	2011	12	26	15	V	0.01	0.2	5.63	161
180970057	2011	12	26	16	V	0.01	0	4.83	147
180970057	2011	12	26	17	V	0.01	0	4.54	153
180970057	2011	12	26	18	V	0.02	0	3.12	169
180970057	2011	12	26	19	V	0.02	0	2.86	167
180970057	2011	12	26	20	V	0.02	0	2.42	173
180970057	2011	12	26	21	V	2.2	0	2.61	197
180970057	2011	12	26	22	V	10.1	0	1.55	193
180970057	2011	12	26	23	V	0.1	0	1.48	133
180970057	2011	12	26	24	V	0.02	0	2.44	135
180970057	2011	12	27	1	V	0.01	0	3.01	140
180970057	2011	12	27	2	V	0.02	0	2.3	110
180970057	2011	12	27	3	V	0.01	0	3.37	130
180970057	2011	12	27	4	V	0.02	0	2.15	156
180970057	2011	12	27	5	V	0.02	0	2.33	70
180970057	2011	12	27	6	V	0.02	0	2.45	129
180970057	2011	12	27	7	V	0.04	0	2.01	129
180970057	2011	12	27	8	V	0.08	0	1.62	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	27	9	V	2.2	0	1.08	218
180970057	2011	12	27	10	V	0.2	0	2.66	308
180970057	2011	12	27	11	V	0.2	0	2.74	300
180970057	2011	12	27	12	V	0.4	0	3.44	274
180970057	2011	12	27	13	V	0.3	0	3.98	264
180970057	2011	12	27	14	V	0.2	0	5.87	265
180970057	2011	12	27	15	V	0.4	0	6.99	276
180970057	2011	12	27	16	V	0.4	0	7.25	275
180970057	2011	12	27	17	V	0.1	0	7.15	284
180970057	2011	12	27	18	V	0.02	0	7.01	290
180970057	2011	12	27	19	V	0.08	0	7.67	285
180970057	2011	12	27	20	V	0.02	0	8.25	289
180970057	2011	12	27	21	V	0.01	0	7.84	296
180970057	2011	12	27	22	V	0.01	0	7.09	296
180970057	2011	12	27	23	V	0.01	0	7.45	297
180970057	2011	12	27	24	V	0.01	0	7.16	301
180970057	2011	12	28	1	V	0.01	0	6.18	296
180970057	2011	12	28	2	V	0.01	0	6.19	292
180970057	2011	12	28	3	V	0.03	0	5.14	288
180970057	2011	12	28	4	V	0.02	0	5.05	289
180970057	2011	12	28	5	V	0.04	0	4.48	287
180970057	2011	12	28	6	V	0.3	0	4.1	281
180970057	2011	12	28	7	V	0.8	0	3.03	275
180970057	2011	12	28	8	V	0.4	0	3.42	273
180970057	2011	12	28	9	V	0.8	0	2.83	282
180970057	2011	12	28	10	V	0.4	0	2.66	289
180970057	2011	12	28	11	V	0.6	0	2.44	270
180970057	2011	12	28	12	V	0.5	0	2.79	259
180970057	2011	12	28	13	V	0.4	0	3.88	254
180970057	2011	12	28	14	V	0.1	0	4.36	268
180970057	2011	12	28	15	V	0.9	0	3.23	259
180970057	2011	12	28	16	V	0.9	0	3.66	255
180970057	2011	12	28	17	V	0.6	0.2	4.05	237
180970057	2011	12	28	18	V	0.3	2.1	3.12	227
180970057	2011	12	28	19	V	17.0	0	2.86	200
180970057	2011	12	28	20	V	0.3	0	2.91	177
180970057	2011	12	28	21	V	0.07	0	3.15	168
180970057	2011	12	28	22	V	0.07	0	2.64	169
180970057	2011	12	28	23	V	0.2	0	3.1	176
180970057	2011	12	28	24	V	1.3	0	3.32	179
180970057	2011	12	29	1	V	0.09	0	3.76	173
180970057	2011	12	29	2	V	0.07	0	3.88	171
180970057	2011	12	29	3	V	0.06	0	3.66	171
180970057	2011	12	29	4	V	5.1	0	4.53	182
180970057	2011	12	29	5	V	10.1	0	4.97	185
180970057	2011	12	29	6	V	34.7	0.1	4.54	192

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	29	7	V	0.9	0	4.71	178
180970057	2011	12	29	8	V	8.6	0	3.59	181
180970057	2011	12	29	9	V	29.4	0.2	3.86	187
180970057	2011	12	29	10	V	11.4	2.7	5.89	183
180970057	2011	12	29	11	V	27.8	8.5	6.26	195
180970057	2011	12	29	12	V	24.8	16.3	7.18	196
180970057	2011	12	29	13	V	17.0	11.2	7.42	199
180970057	2011	12	29	14	V	0.08	8.5	9.12	214
180970057	2011	12	29	15	V	0.1	3.7	10.07	225
180970057	2011	12	29	16	V	0.1	2.3	10.46	226
180970057	2011	12	29	17	V	0.04	1.6	9.39	223
180970057	2011	12	29	18	V	0.03	0.3	7.57	221
180970057	2011	12	29	19	V	0.07	0.1	6.87	224
180970057	2011	12	29	20	V	0.3	0	5.67	232
180970057	2011	12	29	21	V	0.2	0	6.3	232
180970057	2011	12	29	22	V	0.6	0	5.34	238
180970057	2011	12	29	23	V	0.6	0	5.26	238
180970057	2011	12	29	24	V	0.3	0	4.46	231
180970057	2011	12	30	1	V	0.04	0	3.83	224
180970057	2011	12	30	2	V	11.0	0.3	3.63	201
180970057	2011	12	30	3	V	23.3	1.5	4.14	198
180970057	2011	12	30	4	V	20.3	1.5	4.56	198
180970057	2011	12	30	5	V	19.1	1.8	4.92	188
180970057	2011	12	30	6	V	0.9	0.5	4.66	178
180970057	2011	12	30	7	V	0.05	0	4.41	161
180970057	2011	12	30	8	V	0.05	0	5.33	147
180970057	2011	12	30	9	V	0.08	0	5.56	153
180970057	2011	12	30	10	V	0.1	0	5.58	147
180970057	2011	12	30	11	V	0.09	0	6.21	147
180970057	2011	12	30	12	V	0.07	0	7.43	161
180970057	2011	12	30	13	V	2.2	0	6.84	178
180970057	2011	12	30	14	V	0.09	0	9.05	213
180970057	2011	12	30	15	V	0.09	0	9.53	224
180970057	2011	12	30	16	V	0.8	0	9.95	235
180970057	2011	12	30	17	V	0.1	0	9.56	230
180970057	2011	12	30	18	V	0.1	0	9.08	229
180970057	2011	12	30	19	V	0.3	0	9.81	236
180970057	2011	12	30	20	V	0.7	0	9.73	246
180970057	2011	12	30	21	V	0.7	0	7.93	254
180970057	2011	12	30	22	V	0.6	0	9.8	255
180970057	2011	12	30	23	V	0.7	0	7.65	251
180970057	2011	12	30	24	V	0.7	0	8.06	253
180970057	2011	12	31	1	V	0.5	0	7.55	252
180970057	2011	12	31	2	V	0.6	0	7.08	254
180970057	2011	12	31	3	V	0.8	0	7.2	263
180970057	2011	12	31	4	V	0.5	0	6.87	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2011	12	31	5	V	0.2	0	6.26	281
180970057	2011	12	31	6	V	0.1	0	5.58	283
180970057	2011	12	31	7	V	0.4	0	3.68	279
180970057	2011	12	31	8	V	0.7	0	4.68	271
180970057	2011	12	31	9	V	0.3	0	3.69	272
180970057	2011	12	31	10	V	0.5	0	3.93	246
180970057	2011	12	31	11	V	0.6	0	3.25	245
180970057	2011	12	31	12	V	0.7	0	3.32	242
180970057	2011	12	31	13	V	0.1	0	3.47	221
180970057	2011	12	31	14	V	0.2	0	3.35	211
180970057	2011	12	31	15	V	0.5	0	4.25	179
180970057	2011	12	31	16	V	0.01	0	4.71	164
180970057	2011	12	31	17	V	0.01	0	4.95	169
180970057	2011	12	31	18	V	0.01	0	4.92	172
180970057	2011	12	31	19	V	0.01	0	3.36	143
180970057	2011	12	31	20	V	0.01	0	4.86	127
180970057	2011	12	31	21	V	0.01	0	4.86	119
180970057	2011	12	31	22	V	0.01	0	5.36	132
180970057	2011	12	31	23	V	0.01	0	6.46	154
180970057	2011	12	31	24	V	0.03	0	5.36	178
180970057	2012	1	1	1	V	0.01	0	5.36	141
180970057	2012	1	1	2	V	0.01	0	4.36	158
180970057	2012	1	1	3	V	0.01	0	4.36	154
180970057	2012	1	1	4	V	0.01	0	3.23	149
180970057	2012	1	1	5	V	0.01	0	4.07	151
180970057	2012	1	1	6	V	0.01	0	4.12	164
180970057	2012	1	1	7	V	0.03	0	8.15	214
180970057	2012	1	1	8	V	0.3	0	11.77	243
180970057	2012	1	1	9	V	0.1	0	12.82	263
180970057	2012	1	1	10	V	0.1	0	12.06	252
180970057	2012	1	1	11	V	0.1	0	11.77	262
180970057	2012	1	1	12	V	0.07	0	11.24	273
180970057	2012	1	1	13	V	0.07	0	10.8	274
180970057	2012	1	1	14	V	0.08	0	11.41	267
180970057	2012	1	1	15	V	0.3	0	11.92	269
180970057	2012	1	1	16	V	0.3	0	12.33	268
180970057	2012	1	1	17	V	0.2	0	13.3	277
180970057	2012	1	1	18	V	0.05	0	12.62	285
180970057	2012	1	1	19	V	0.09	0	11.97	283
180970057	2012	1	1	20	V	0.09	0	11.07	283
180970057	2012	1	1	21	V	0.1	0	10.31	283
180970057	2012	1	1	22	V	0.02	0	9.88	289
180970057	2012	1	1	23	V	0.06	-999	9.78	285
180970057	2012	1	1	24	V	0.03	0	11.6	288
180970057	2012	1	2	1	V	0.06	0	10.37	285
180970057	2012	1	2	2	V	0.05	0	10.56	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	2	3	V	0.06	0	10.36	285
180970057	2012	1	2	4	V	0.1	0	8.74	282
180970057	2012	1	2	5	V	0.2	0	8.47	280
180970057	2012	1	2	6	V	0.03	0	9.51	288
180970057	2012	1	2	7	V	0.1	0	10.38	283
180970057	2012	1	2	8	V	0.02	0	9.9	289
180970057	2012	1	2	9	V	0.01	0	10.22	294
180970057	2012	1	2	10	V	0.01	0	10.02	292
180970057	2012	1	2	11	V	0.02	0	8.98	290
180970057	2012	1	2	12	V	0.02	0	8.5	290
180970057	2012	1	2	13	V	0.02	0	8.67	289
180970057	2012	1	2	14	V	0.02	0	9.39	301
180970057	2012	1	2	15	V	0.01	0	8.08	305
180970057	2012	1	2	16	V	0.005	0	8.83	307
180970057	2012	1	2	17	V	0.004	0	8.32	305
180970057	2012	1	2	18	V	0.004	0	7.15	304
180970057	2012	1	2	19	V	0.005	0	6.77	297
180970057	2012	1	2	20	V	0.01	0	7.06	299
180970057	2012	1	2	21	V	0.005	0	7.37	305
180970057	2012	1	2	22	V	0.004	0	7.52	305
180970057	2012	1	2	23	V	0.004	0	7.21	301
180970057	2012	1	2	24	V	0.004	0	6.65	300
180970057	2012	1	3	1	V	0.004	0	7.13	302
180970057	2012	1	3	2	V	0.01	0	6.72	304
180970057	2012	1	3	3	V	0.01	0	6.75	304
180970057	2012	1	3	4	V	0.01	0	7.09	303
180970057	2012	1	3	5	V	0.01	0	6.28	304
180970057	2012	1	3	6	V	0.01	0	5.26	303
180970057	2012	1	3	7	V	0.02	0	4.2	299
180970057	2012	1	3	8	V	0.2	0	4.05	284
180970057	2012	1	3	9	V	0.4	0	4	277
180970057	2012	1	3	10	V	0.1	0	5.19	291
180970057	2012	1	3	11	V	0.07	-999	5.77	290
180970057	2012	1	3	12	V	0.09	0	5.04	294
180970057	2012	1	3	13	V	0.2	0	4.61	280
180970057	2012	1	3	14	V	0.2	0	4.77	265
180970057	2012	1	3	15	V	0.7	0	4	271
180970057	2012	1	3	16	V	0.7	0	3.97	258
180970057	2012	1	3	17	V	0.7	0	3.98	248
180970057	2012	1	3	18	V	0.2	0	3.3	225
180970057	2012	1	3	19	V	3.7	0	3.03	202
180970057	2012	1	3	20	V	0.05	0	3.59	176
180970057	2012	1	3	21	V	0.03	0	3.9	171
180970057	2012	1	3	22	V	0.3	0	4.36	177
180970057	2012	1	3	23	V	9.9	1.9	5.31	187
180970057	2012	1	3	24	V	5.9	4.6	5.7	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	4	1	V	7.2	1.3	5.55	197
180970057	2012	1	4	2	V	8.3	1.6	5.09	188
180970057	2012	1	4	3	V	1.4	7	5.36	182
180970057	2012	1	4	4	V	9.7	7.7	5	188
180970057	2012	1	4	5	V	4.3	3.4	5.5	200
180970057	2012	1	4	6	V	2.2	2.2	5.17	203
180970057	2012	1	4	7	V	1.4	2	4.6	205
180970057	2012	1	4	8	V	6.1	3.4	4.83	203
180970057	2012	1	4	9	V	0.8	4.4	4.71	210
180970057	2012	1	4	10	V	2.8	5	6.45	206
180970057	2012	1	4	11	V	0.2	4.6	5.85	233
180970057	2012	1	4	12	V	0.2	3.1	6.91	235
180970057	2012	1	4	13	V	0.4	2.9	7.23	239
180970057	2012	1	4	14	V	0.4	2.4	6.63	240
180970057	2012	1	4	15	V	0.6	2.1	6.77	239
180970057	2012	1	4	16	V	0.6	1.8	6.7	244
180970057	2012	1	4	17	V	0.4	1.6	6.47	240
180970057	2012	1	4	18	V	0.5	0.8	5.12	239
180970057	2012	1	4	19	V	0.6	0.5	4	240
180970057	2012	1	4	20	V	0.7	0.3	4.32	244
180970057	2012	1	4	21	V	0.7	0	4.9	260
180970057	2012	1	4	22	V	0.06	0	4.42	287
180970057	2012	1	4	23	V	0.06	0	4.05	285
180970057	2012	1	4	24	V	0.3	0	4.22	280
180970057	2012	1	5	1	V	0.1	0	4.05	283
180970057	2012	1	5	2	V	0.3	0	3.69	280
180970057	2012	1	5	3	V	0.1	0	3.1	243
180970057	2012	1	5	4	V	0.1	0	2.84	228
180970057	2012	1	5	5	V	0.05	0	3.01	225
180970057	2012	1	5	6	V	0.08	0	3.35	227
180970057	2012	1	5	7	V	0.03	0	3.46	220
180970057	2012	1	5	8	V	1.6	0.3	3.44	211
180970057	2012	1	5	9	V	29.4	0	3.39	196
180970057	2012	1	5	10	V	10.1	0	3.32	207
180970057	2012	1	5	11	V	20.4	-999	5.44	194
180970057	2012	1	5	12	V	9.8	2	5.9	201
180970057	2012	1	5	13	V	0.2	0.6	6.4	214
180970057	2012	1	5	14	V	0.07	0.3	8.57	225
180970057	2012	1	5	15	V	0.4	-999	7.94	232
180970057	2012	1	5	16	V	0.1	-999	7.3	226
180970057	2012	1	5	17	V	0.09	1.1	6.19	223
180970057	2012	1	5	18	V	0.08	0.3	5.31	222
180970057	2012	1	5	19	V	0.03	0	4.95	216
180970057	2012	1	5	20	V	0.05	0	4.46	213
180970057	2012	1	5	21	V	0.03	0.3	4.58	216
180970057	2012	1	5	22	V	0.05	0.2	6.25	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	5	23	V	0.06	0.6	6.53	222
180970057	2012	1	5	24	V	0.2	0.6	7.18	230
180970057	2012	1	6	1	V	0.1	0.2	6.43	233
180970057	2012	1	6	2	V	0.09	0	5.92	231
180970057	2012	1	6	3	V	0.07	0	6.3	229
180970057	2012	1	6	4	V	0.08	0	6.04	229
180970057	2012	1	6	5	V	0.08	0	5.12	228
180970057	2012	1	6	6	V	0.03	0	4.36	220
180970057	2012	1	6	7	V	0.5	0.2	3.8	206
180970057	2012	1	6	8	V	0.9	0.2	4.78	208
180970057	2012	1	6	9	V	0.5	1.2	4.31	213
180970057	2012	1	6	10	V	0.2	3.3	4.42	220
180970057	2012	1	6	11	V	0.06	3.6	7.18	223
180970057	2012	1	6	12	V	0.04	3.1	8.27	221
180970057	2012	1	6	13	V	0.02	2.2	8.15	222
180970057	2012	1	6	14	V	0.03	1.5	8.06	224
180970057	2012	1	6	15	V	0.1	1.2	7.81	226
180970057	2012	1	6	16	V	0.03	1	6.82	220
180970057	2012	1	6	17	V	0.02	1.1	4.71	217
180970057	2012	1	6	18	V	0.03	0.9	3.42	212
180970057	2012	1	6	19	V	0.03	1.1	4.43	219
180970057	2012	1	6	20	V	0.02	0.4	4.39	217
180970057	2012	1	6	21	V	0.5	0.2	3.54	234
180970057	2012	1	6	22	V	0.5	0.1	4.27	238
180970057	2012	1	6	23	V	0.5	-999	4.93	238
180970057	2012	1	6	24	V	0.6	-999	4.9	242
180970057	2012	1	7	1	V	0.2	0	4.88	243
180970057	2012	1	7	2	V	0.3	0	4.09	250
180970057	2012	1	7	3	V	0.4	0	3.88	253
180970057	2012	1	7	4	V	0.01	0	5.6	294
180970057	2012	1	7	5	V	0.01	0	4.19	300
180970057	2012	1	7	6	V	0.01	0	2.74	297
180970057	2012	1	7	7	V	0.08	0	2.74	283
180970057	2012	1	7	8	V	0.3	0	3.34	275
180970057	2012	1	7	9	V	0.1	0	3.68	285
180970057	2012	1	7	10	V	0.1	0	4.05	287
180970057	2012	1	7	11	V	0.06	0	4.53	300
180970057	2012	1	7	12	V	0.07	0	4.61	294
180970057	2012	1	7	13	V	0.04	0	5.29	286
180970057	2012	1	7	14	V	0.02	0	5.51	288
180970057	2012	1	7	15	V	0.02	0	5.05	291
180970057	2012	1	7	16	V	0.01	0	5.16	293
180970057	2012	1	7	17	V	0.01	0	4.44	304
180970057	2012	1	7	18	V	0.01	0	4.1	323
180970057	2012	1	7	19	V	0.01	0	2.98	324
180970057	2012	1	7	20	V	0.02	0	2.27	327

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	7	21	V	0.03	0	2.23	319
180970057	2012	1	7	22	V	0.02	0	2.42	315
180970057	2012	1	7	23	V	0.01	0	2.84	331
180970057	2012	1	7	24	V	0.01	0	3.29	344
180970057	2012	1	8	1	V	0.01	0	2.52	14
180970057	2012	1	8	2	V	0.02	0	2.74	29
180970057	2012	1	8	3	V	0.04	0	3.2	35
180970057	2012	1	8	4	V	2.6	0.1	2.79	53
180970057	2012	1	8	5	V	3.6	0	3.1	48
180970057	2012	1	8	6	V	0.02	0	2.64	62
180970057	2012	1	8	7	V	0.01	0	3.1	62
180970057	2012	1	8	8	V	11.7	0	2.5	49
180970057	2012	1	8	9	V	9.7	0	1.93	55
180970057	2012	1	8	10	V	9.0	0	2.67	57
180970057	2012	1	8	11	V	0.1	0	3.46	87
180970057	2012	1	8	12	V	0.2	0	3.07	90
180970057	2012	1	8	13	V	0.05	0	3.73	83
180970057	2012	1	8	14	V	0.03	0	3	85
180970057	2012	1	8	15	V	0.04	0	2.81	98
180970057	2012	1	8	16	V	0.01	0	2.86	81
180970057	2012	1	8	17	V	0.01	0	3.07	100
180970057	2012	1	8	18	V	0.02	0	2.33	112
180970057	2012	1	8	19	V	0.02	0	2.32	76
180970057	2012	1	8	20	V	1.8	0	3.12	39
180970057	2012	1	8	21	V	5.0	0	2.67	43
180970057	2012	1	8	22	V	0.8	0	2.49	37
180970057	2012	1	8	23	V	5.0	-999	2.45	52
180970057	2012	1	8	24	V	0.02	0	2.2	68
180970057	2012	1	9	1	V	0.03	0	2.01	91
180970057	2012	1	9	2	V	0.02	0	2.25	66
180970057	2012	1	9	3	V	0.5	0	1.81	63
180970057	2012	1	9	4	V	16.5	0	1.7	42
180970057	2012	1	9	5	V	0.7	0	1.54	66
180970057	2012	1	9	6	V	0.08	0	1.65	109
180970057	2012	1	9	7	V	1.6	0	1.74	32
180970057	2012	1	9	8	V	0.5	0.2	1.76	16
180970057	2012	1	9	9	V	0.8	0.8	1.3	112
180970057	2012	1	9	10	V	0.5	0.2	1.96	158
180970057	2012	1	9	11	V	2.1	0.9	2.16	201
180970057	2012	1	9	12	V	0.6	4.1	2.42	227
180970057	2012	1	9	13	V	0.4	4.3	2.57	249
180970057	2012	1	9	14	V	0.4	2.8	2.72	246
180970057	2012	1	9	15	V	1.0	2.8	3.98	245
180970057	2012	1	9	16	V	0.7	2.2	5.38	242
180970057	2012	1	9	17	V	0.4	1.8	5.99	237
180970057	2012	1	9	18	V	0.4	1.2	5.44	236

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	9	19	V	0.6	0.9	4.51	241
180970057	2012	1	9	20	V	0.7	1	4.32	246
180970057	2012	1	9	21	V	0.7	0.9	4.1	242
180970057	2012	1	9	22	V	0.7	0.7	3.78	243
180970057	2012	1	9	23	V	0.6	0.3	4.22	241
180970057	2012	1	9	24	V	0.6	0	4.2	248
180970057	2012	1	10	1	V	0.1	0	3.46	234
180970057	2012	1	10	2	V	0.1	0	3.69	230
180970057	2012	1	10	3	V	0.1	0	3.83	235
180970057	2012	1	10	4	V	0.1	0	3.76	230
180970057	2012	1	10	5	V	0.1	0	4.12	240
180970057	2012	1	10	6	V	0.1	0	3.03	249
180970057	2012	1	10	7	V	0.08	0	2.94	228
180970057	2012	1	10	8	V	0.1	0	3.56	236
180970057	2012	1	10	9	V	0.4	0.4	3.68	240
180970057	2012	1	10	10	V	0.5	1.5	3.64	243
180970057	2012	1	10	11	V	0.5	3.6	2.67	278
180970057	2012	1	10	12	V	0.9	6.3	1.99	277
180970057	2012	1	10	13	V	1.1	4.6	1.86	262
180970057	2012	1	10	14	V	0.2	3.1	3.29	218
180970057	2012	1	10	15	V	0.4	2.8	3.35	208
180970057	2012	1	10	16	V	1.4	4.4	2.67	200
180970057	2012	1	10	17	V	0.6	2.2	1.96	230
180970057	2012	1	10	18	V	4.9	1.1	1.38	188
180970057	2012	1	10	19	V	0.09	3.2	1.54	82
180970057	2012	1	10	20	V	0.02	6	2.39	110
180970057	2012	1	10	21	V	0.01	7	2.83	107
180970057	2012	1	10	22	V	0.01	4.4	2.91	87
180970057	2012	1	10	23	V	0.01	2.1	3.47	119
180970057	2012	1	10	24	V	0.01	2.3	2.74	110
180970057	2012	1	11	1	V	0.01	3	2.78	124
180970057	2012	1	11	2	V	0.01	3.5	2.83	113
180970057	2012	1	11	3	V	0.01	5.5	3.61	99
180970057	2012	1	11	4	V	0.01	3.5	3.25	97
180970057	2012	1	11	5	V	0.01	3.3	2.89	103
180970057	2012	1	11	6	V	0.01	6.1	2.91	94
180970057	2012	1	11	7	V	0.01	8.2	3.34	108
180970057	2012	1	11	8	V	0.03	3.8	2.88	109
180970057	2012	1	11	9	V	0.06	2.5	3.68	81
180970057	2012	1	11	10	V	0.04	1	4.77	82
180970057	2012	1	11	11	V	0.04	0	4.75	87
180970057	2012	1	11	12	V	0.06	0	4.66	75
180970057	2012	1	11	13	V	3.2	0	4.1	61
180970057	2012	1	11	14	V	12.8	0	3.24	50
180970057	2012	1	11	15	V	0.1	0	3.35	29
180970057	2012	1	11	16	V	0.01	0	3.85	13

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	11	17	V	0.01	0	4.05	17
180970057	2012	1	11	18	V	0.01	0	3.41	7
180970057	2012	1	11	19	V	0.02	0	3.76	357
180970057	2012	1	11	20	V	0.02	0	3.73	359
180970057	2012	1	11	21	V	0.01	0	2.98	350
180970057	2012	1	11	22	V	0.01	0	4.36	316
180970057	2012	1	11	23	V	0.01	0	5.13	316
180970057	2012	1	11	24	V	0.01	0	3.93	305
180970057	2012	1	12	1	V	0.03	0	3.18	287
180970057	2012	1	12	2	V	0.6	0	3.25	268
180970057	2012	1	12	3	V	0.7	0	3.64	263
180970057	2012	1	12	4	V	0.5	0	3.51	254
180970057	2012	1	12	5	V	0.4	0	4.22	252
180970057	2012	1	12	6	V	0.3	0	4.56	249
180970057	2012	1	12	7	V	0.6	0	6.53	267
180970057	2012	1	12	8	V	0.5	0	5.68	273
180970057	2012	1	12	9	V	0.1	0	5.46	265
180970057	2012	1	12	10	V	0.1	0	6.19	268
180970057	2012	1	12	11	V	0.1	0	6.62	265
180970057	2012	1	12	12	V	0.1	0	6.6	254
180970057	2012	1	12	13	V	0.1	0	8.95	254
180970057	2012	1	12	14	V	0.1	0	8.73	256
180970057	2012	1	12	15	V	0.5	0	10.03	259
180970057	2012	1	12	16	V	0.4	0	10.68	256
180970057	2012	1	12	17	V	0.4	0	9.97	258
180970057	2012	1	12	18	V	0.5	0	9.9	258
180970057	2012	1	12	19	V	0.3	0	11.97	254
180970057	2012	1	12	20	V	0.4	0	10.94	252
180970057	2012	1	12	21	V	0.4	0	10.92	249
180970057	2012	1	12	22	V	0.4	0	9.86	245
180970057	2012	1	12	23	V	0.3	0	9.54	241
180970057	2012	1	12	24	V	0.4	0	10.09	243
180970057	2012	1	13	1	V	0.2	0	9.85	239
180970057	2012	1	13	2	V	0.2	0	9.92	241
180970057	2012	1	13	3	V	0.3	0	10.56	247
180970057	2012	1	13	4	V	0.3	0	10.53	251
180970057	2012	1	13	5	V	0.4	0	10.1	255
180970057	2012	1	13	6	V	0.4	0	10.21	254
180970057	2012	1	13	7	V	0.4	0	10.72	254
180970057	2012	1	13	8	V	0.08	0	10.31	253
180970057	2012	1	13	9	V	0.1	0	9.13	253
180970057	2012	1	13	10	V	0.1	0	9.27	252
180970057	2012	1	13	11	V	0.1	0	9.34	253
180970057	2012	1	13	12	V	0.1	0	9.64	256
180970057	2012	1	13	13	V	0.1	0	9.66	255
180970057	2012	1	13	14	V	0.1	0	9.2	257

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	13	15	V	0.6	0	9.08	250
180970057	2012	1	13	16	V	0.6	0	9.07	250
180970057	2012	1	13	17	V	0.5	0	8.39	252
180970057	2012	1	13	18	V	0.5	0	7.45	251
180970057	2012	1	13	19	V	0.4	0	6.53	243
180970057	2012	1	13	20	V	0.5	0	6.14	245
180970057	2012	1	13	21	V	0.5	0	5.97	246
180970057	2012	1	13	22	V	0.5	0	5.94	248
180970057	2012	1	13	23	V	0.5	0	6.18	250
180970057	2012	1	13	24	V	0.6	0	5.04	246
180970057	2012	1	14	1	V	0.2	0	4.92	245
180970057	2012	1	14	2	V	0.3	0	4.51	250
180970057	2012	1	14	3	V	0.6	0	4.41	260
180970057	2012	1	14	4	V	0.6	0	4.76	269
180970057	2012	1	14	5	V	0.2	0	3.13	242
180970057	2012	1	14	6	V	0.2	0	2.35	251
180970057	2012	1	14	7	V	0.3	0	1.82	234
180970057	2012	1	14	8	V	0.2	0	2.55	211
180970057	2012	1	14	9	V	0.2	0	3.78	207
180970057	2012	1	14	10	V	0.1	0	4.05	212
180970057	2012	1	14	11	V	0.5	0	3.18	244
180970057	2012	1	14	12	V	0.5	0	2.4	236
180970057	2012	1	14	13	V	1.4	0.3	1.08	247
180970057	2012	1	14	14	V	0.9	0.3	1.04	157
180970057	2012	1	14	15	V	9.4	0.5	1.16	60
180970057	2012	1	14	16	V	1.0	0	0.86	340
180970057	2012	1	14	17	V	0.1	0	1.47	330
180970057	2012	1	14	18	V	0.01	0	3.07	337
180970057	2012	1	14	19	V	0.01	0	3.32	329
180970057	2012	1	14	20	V	0.01	0	2.69	322
180970057	2012	1	14	21	V	0.01	0	2.62	318
180970057	2012	1	14	22	V	0.01	0	3.27	319
180970057	2012	1	14	23	V	0.01	0	2.84	315
180970057	2012	1	14	24	V	0.03	0	2.21	303
180970057	2012	1	15	1	V	0.06	0	1.89	305
180970057	2012	1	15	2	V	0.2	0	1.4	298
180970057	2012	1	15	3	V	0.7	0	1.77	271
180970057	2012	1	15	4	V	0.7	0	1.91	264
180970057	2012	1	15	5	V	0.3	0	1.48	245
180970057	2012	1	15	6	V	1.9	0	1.35	203
180970057	2012	1	15	7	V	3.9	0	1.59	195
180970057	2012	1	15	8	V	0.4	0	1.45	161
180970057	2012	1	15	9	V	0.5	0	1.57	163
180970057	2012	1	15	10	V	0.5	0	3.2	170
180970057	2012	1	15	11	V	0.09	0	3.95	144
180970057	2012	1	15	12	V	0.09	0	4.19	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	15	13	V	0.1	0.2	4.14	168
180970057	2012	1	15	14	V	0.1	0.1	3.86	164
180970057	2012	1	15	15	V	0.03	0.1	3.95	151
180970057	2012	1	15	16	V	0.01	0	5.02	156
180970057	2012	1	15	17	V	0.01	0	4.88	141
180970057	2012	1	15	18	V	0.01	0	4.85	140
180970057	2012	1	15	19	V	0.01	0	5.39	136
180970057	2012	1	15	20	V	0.01	0	6.02	140
180970057	2012	1	15	21	V	0.01	0	6.36	149
180970057	2012	1	15	22	V	0.01	0	5.9	144
180970057	2012	1	15	23	V	0.01	-999	5.89	147
180970057	2012	1	15	24	V	0.01	0	5.75	152
180970057	2012	1	16	1	V	0.01	0	5.12	143
180970057	2012	1	16	2	V	0.02	0	4	146
180970057	2012	1	16	3	V	0.02	0	4.54	153
180970057	2012	1	16	4	V	0.02	0	4.1	153
180970057	2012	1	16	5	V	0.02	0	4.32	155
180970057	2012	1	16	6	V	0.02	0	3.35	144
180970057	2012	1	16	7	V	0.02	0	3.63	136
180970057	2012	1	16	8	V	0.1	0	3.63	138
180970057	2012	1	16	9	V	0.2	0	3.71	137
180970057	2012	1	16	10	V	0.2	0	3.63	141
180970057	2012	1	16	11	V	0.2	0	3.4	141
180970057	2012	1	16	12	V	0.2	0	3.57	137
180970057	2012	1	16	13	V	0.2	0.1	3.83	159
180970057	2012	1	16	14	V	17.0	0	7.04	191
180970057	2012	1	16	15	V	9.0	0	8.23	193
180970057	2012	1	16	16	V	0.2	0	5.92	177
180970057	2012	1	16	17	V	0.03	0	4.83	169
180970057	2012	1	16	18	V	0.05	0	3.85	164
180970057	2012	1	16	19	V	0.05	0	4.19	157
180970057	2012	1	16	20	V	0.05	0	4.26	165
180970057	2012	1	16	21	V	1.3	0	4.37	179
180970057	2012	1	16	22	V	6.4	0	6.72	195
180970057	2012	1	16	23	V	2.2	0	7.37	201
180970057	2012	1	16	24	V	0.4	0	7.55	207
180970057	2012	1	17	1	V	0.3	0	7.89	208
180970057	2012	1	17	2	V	0.4	0	7.69	207
180970057	2012	1	17	3	V	0.5	0	7.98	206
180970057	2012	1	17	4	V	5.3	0	8.59	193
180970057	2012	1	17	5	V	5.2	1.2	9.39	196
180970057	2012	1	17	6	V	6.8	2.2	10.46	197
180970057	2012	1	17	7	V	0.3	0	10.05	245
180970057	2012	1	17	8	V	4.7	0	5.62	201
180970057	2012	1	17	9	V	0.1	0	7.59	211
180970057	2012	1	17	10	V	0.05	0	6.64	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	17	11	V	0.1	0	9.24	232
180970057	2012	1	17	12	V	0.1	0	11.82	259
180970057	2012	1	17	13	V	0.08	0	13.64	267
180970057	2012	1	17	14	V	0.06	0	13.77	275
180970057	2012	1	17	15	V	0.2	0	13.18	276
180970057	2012	1	17	16	V	0.06	0	12.43	286
180970057	2012	1	17	17	V	0.08	0	11.19	284
180970057	2012	1	17	18	V	0.02	0	10.27	290
180970057	2012	1	17	19	V	0.02	0	9.93	291
180970057	2012	1	17	20	V	0.02	0	9.8	290
180970057	2012	1	17	21	V	0.02	0	10.24	291
180970057	2012	1	17	22	V	0.01	0	8.61	297
180970057	2012	1	17	23	V	0.01	0	9.56	311
180970057	2012	1	17	24	V	0.01	0	7.85	305
180970057	2012	1	18	1	V	0.01	0	6.74	319
180970057	2012	1	18	2	V	0.01	0	6.81	322
180970057	2012	1	18	3	V	0.01	0	6.04	309
180970057	2012	1	18	4	V	0.01	0	5.79	305
180970057	2012	1	18	5	V	0.02	0	5.58	305
180970057	2012	1	18	6	V	0.02	0	4.85	336
180970057	2012	1	18	7	V	0.04	0	4.34	339
180970057	2012	1	18	8	V	0.08	0	3.91	328
180970057	2012	1	18	9	V	0.7	0	2.56	291
180970057	2012	1	18	10	V	0.9	0	2.96	259
180970057	2012	1	18	11	V	9.1	0	1.42	225
180970057	2012	1	18	12	V	2.3	0	1.99	266
180970057	2012	1	18	13	V	2.2	0	1.48	279
180970057	2012	1	18	14	V	1.8	2.1	1.91	219
180970057	2012	1	18	15	V	0.9	2.6	3.05	205
180970057	2012	1	18	16	V	0.02	2.4	3.22	172
180970057	2012	1	18	17	V	0.02	1.7	3.13	159
180970057	2012	1	18	18	V	0.04	0	2.71	158
180970057	2012	1	18	19	V	0.03	0	3.95	142
180970057	2012	1	18	20	V	0.03	0	3.47	148
180970057	2012	1	18	21	V	0.04	0	3.9	146
180970057	2012	1	18	22	V	0.02	0	5.14	158
180970057	2012	1	18	23	V	0.03	0	4.49	162
180970057	2012	1	18	24	V	1.9	0	5.22	184
180970057	2012	1	19	1	V	14.5	0	4.9	195
180970057	2012	1	19	2	V	7.3	0	4.53	185
180970057	2012	1	19	3	V	15.5	2.1	5.34	193
180970057	2012	1	19	4	V	10.9	1.7	5.68	196
180970057	2012	1	19	5	V	0.9	0.8	5.56	206
180970057	2012	1	19	6	V	6.9	0.5	4.9	201
180970057	2012	1	19	7	V	5.2	0.6	4.61	203
180970057	2012	1	19	8	V	0.09	1.5	5.62	215

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	19	9	V	0.1	0.6	7.45	229
180970057	2012	1	19	10	V	0.3	0	6.86	242
180970057	2012	1	19	11	V	0.2	0	5.41	252
180970057	2012	1	19	12	V	0.2	0	5.29	256
180970057	2012	1	19	13	V	0.07	0	5.85	287
180970057	2012	1	19	14	V	0.05	0	6.7	300
180970057	2012	1	19	15	V	0.05	0	5.89	313
180970057	2012	1	19	16	V	0.01	0	6.7	325
180970057	2012	1	19	17	V	0.01	0	6.31	328
180970057	2012	1	19	18	V	0.02	0	5.5	321
180970057	2012	1	19	19	V	0.01	0	6.19	330
180970057	2012	1	19	20	V	0.02	0	5.75	322
180970057	2012	1	19	21	V	0.01	0	5.53	320
180970057	2012	1	19	22	V	0.02	0	4.36	1
180970057	2012	1	19	23	V	0.02	0	3.32	25
180970057	2012	1	19	24	V	0.02	0	3.39	22
180970057	2012	1	20	1	V	0.03	0	2.84	29
180970057	2012	1	20	2	V	0.03	0	2.91	25
180970057	2012	1	20	3	V	0.02	0	3.68	33
180970057	2012	1	20	4	V	2.5	0.4	3.39	44
180970057	2012	1	20	5	V	0.05	0	3.39	64
180970057	2012	1	20	6	V	0.04	0	4.12	77
180970057	2012	1	20	7	V	0.02	0	5.22	79
180970057	2012	1	20	8	V	0.04	0	5.24	80
180970057	2012	1	20	9	V	0.08	0	5.43	85
180970057	2012	1	20	10	V	0.09	0	5.14	86
180970057	2012	1	20	11	V	0.09	-999	5.46	87
180970057	2012	1	20	12	V	0.08	-999	5.58	94
180970057	2012	1	20	13	V	0.09	0	5.19	90
180970057	2012	1	20	14	V	0.08	0	5.39	98
180970057	2012	1	20	15	V	0.04	0	5.17	74
180970057	2012	1	20	16	V	0.02	0	5.7	74
180970057	2012	1	20	17	V	0.02	0	5.07	77
180970057	2012	1	20	18	V	0.02	0	5.33	68
180970057	2012	1	20	19	V	0.4	0	6.18	55
180970057	2012	1	20	20	V	0.4	0.7	6.28	54
180970057	2012	1	20	21	V	0.1	0	5.82	59
180970057	2012	1	20	22	V	1.2	0.2	5.62	49
180970057	2012	1	20	23	V	0.2	0	5.27	36
180970057	2012	1	20	24	V	0.09	0	5.09	33
180970057	2012	1	21	1	V	0.01	0	6.36	21
180970057	2012	1	21	2	V	0.3	0	7.01	39
180970057	2012	1	21	3	V	2.0	0.8	4.63	43
180970057	2012	1	21	4	V	0.03	0	4.95	15
180970057	2012	1	21	5	V	0.01	0	5.26	11
180970057	2012	1	21	6	V	0.02	0	5.38	10

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	21	7	V	0.02	0	5.87	13
180970057	2012	1	21	8	V	0.07	0	6.02	30
180970057	2012	1	21	9	V	1.5	0	6.38	32
180970057	2012	1	21	10	V	4.8	0	5.62	36
180970057	2012	1	21	11	V	7.0	0.7	5.05	38
180970057	2012	1	21	12	V	10.1	3.6	4.87	41
180970057	2012	1	21	13	V	13.3	5.6	4.83	46
180970057	2012	1	21	14	V	13.4	2.7	4.7	49
180970057	2012	1	21	15	V	0.04	1	5	72
180970057	2012	1	21	16	V	0.02	0.4	4.94	82
180970057	2012	1	21	17	V	0.03	0.3	4.19	73
180970057	2012	1	21	18	V	0.03	0	4.75	79
180970057	2012	1	21	19	V	0.03	0	4.99	82
180970057	2012	1	21	20	V	0.03	0	4.83	89
180970057	2012	1	21	21	V	0.02	0	5.63	84
180970057	2012	1	21	22	V	0.02	0	5.22	93
180970057	2012	1	21	23	V	0.01	0	6.14	110
180970057	2012	1	21	24	V	0.01	0	5.92	114
180970057	2012	1	22	1	V	0.01	0	6.04	120
180970057	2012	1	22	2	V	0.01	0	6.74	123
180970057	2012	1	22	3	V	0.01	0	6.65	127
180970057	2012	1	22	4	V	0.01	0	6.33	132
180970057	2012	1	22	5	V	0.02	0	5.85	143
180970057	2012	1	22	6	V	0.02	0.6	5.58	138
180970057	2012	1	22	7	V	0.03	0	4.99	132
180970057	2012	1	22	8	V	0.02	0	6.13	134
180970057	2012	1	22	9	V	0.07	0	5.17	131
180970057	2012	1	22	10	V	0.1	0	4.39	148
180970057	2012	1	22	11	V	0.07	0	5.5	154
180970057	2012	1	22	12	V	0.07	0	5.68	152
180970057	2012	1	22	13	V	0.04	0	5.72	148
180970057	2012	1	22	14	V	0.03	0	6.12	146
180970057	2012	1	22	15	V	0.03	0	6.16	137
180970057	2012	1	22	16	V	0.03	0	5.04	137
180970057	2012	1	22	17	V	0.03	0	4.85	132
180970057	2012	1	22	18	V	0.04	0	4.9	132
180970057	2012	1	22	19	V	0.03	0	5.44	135
180970057	2012	1	22	20	V	0.02	0	6.11	139
180970057	2012	1	22	21	V	0.02	0	7.04	140
180970057	2012	1	22	22	V	0.01	0	7.64	142
180970057	2012	1	22	23	V	0.01	-999	7.79	141
180970057	2012	1	22	24	V	0.01	0	8.15	138
180970057	2012	1	23	1	V	0.01	0	8.86	143
180970057	2012	1	23	2	V	0.01	0	9.54	174
180970057	2012	1	23	3	V	0.02	0	6.69	216
180970057	2012	1	23	4	V	0.01	0	6.81	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	23	5	V	0.01	0	8.08	150
180970057	2012	1	23	6	V	0.01	0	7.35	150
180970057	2012	1	23	7	V	0.01	0	6.99	158
180970057	2012	1	23	8	V	0.1	0	8.16	177
180970057	2012	1	23	9	V	0.8	0	7.89	185
180970057	2012	1	23	10	V	0.03	0	8.49	216
180970057	2012	1	23	11	V	0.2	0	11.84	243
180970057	2012	1	23	12	V	0.2	0	11.8	249
180970057	2012	1	23	13	V	0.3	0	11.43	244
180970057	2012	1	23	14	V	0.2	0	10.29	247
180970057	2012	1	23	15	V	0.7	0	10.09	248
180970057	2012	1	23	16	V	0.8	0	9.9	245
180970057	2012	1	23	17	V	0.4	0	10	249
180970057	2012	1	23	18	V	0.4	0	8.95	252
180970057	2012	1	23	19	V	0.4	0	7.62	245
180970057	2012	1	23	20	V	0.5	0	6.06	252
180970057	2012	1	23	21	V	0.6	0	5.38	253
180970057	2012	1	23	22	V	0.6	0	4.61	252
180970057	2012	1	23	23	V	0.7	0	4.07	246
180970057	2012	1	23	24	V	0.5	0	4.51	239
180970057	2012	1	24	1	V	0.2	0	5.41	243
180970057	2012	1	24	2	V	0.1	0	4.29	237
180970057	2012	1	24	3	V	0.2	0	3.78	243
180970057	2012	1	24	4	V	0.4	0	6.35	275
180970057	2012	1	24	5	V	0.4	0	6.48	275
180970057	2012	1	24	6	V	0.6	0	6.62	268
180970057	2012	1	24	7	V	0.3	0	5.31	279
180970057	2012	1	24	8	V	0.3	0	5.17	279
180970057	2012	1	24	9	V	0.1	0	5.22	278
180970057	2012	1	24	10	V	0.03	0	5.31	284
180970057	2012	1	24	11	V	0.05	0	5.77	282
180970057	2012	1	24	12	V	0.07	0	5.22	280
180970057	2012	1	24	13	V	0.1	0	4.9	277
180970057	2012	1	24	14	V	0.06	0	4.48	281
180970057	2012	1	24	15	V	0.4	0	4.78	277
180970057	2012	1	24	16	V	0.03	0	4.46	289
180970057	2012	1	24	17	V	0.01	0	4.32	294
180970057	2012	1	24	18	V	0.01	0	3.35	307
180970057	2012	1	24	19	V	0.06	0	1.6	310
180970057	2012	1	24	20	V	0.2	0	1.18	355
180970057	2012	1	24	21	V	0.6	0	1.45	279
180970057	2012	1	24	22	V	0.2	0	1.31	294
180970057	2012	1	24	23	V	1.7	0	1.06	247
180970057	2012	1	24	24	V	0.08	0	1.57	128
180970057	2012	1	25	1	V	3.4	0	1.62	193
180970057	2012	1	25	2	V	5.2	0	0.92	68

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	25	3	V	0.08	0	1.59	116
180970057	2012	1	25	4	V	0.05	0	1.86	114
180970057	2012	1	25	5	V	0.3	0	1.72	66
180970057	2012	1	25	6	V	21.7	0	0.92	36
180970057	2012	1	25	7	V	2.0	0	1.62	62
180970057	2012	1	25	8	V	0.05	0	2.71	114
180970057	2012	1	25	9	V	0.07	0	3.85	117
180970057	2012	1	25	10	V	0.07	0	3.86	93
180970057	2012	1	25	11	V	0.07	-999	3.93	83
180970057	2012	1	25	12	V	0.05	0	5.05	84
180970057	2012	1	25	13	V	0.06	0	4.24	98
180970057	2012	1	25	14	V	0.2	0	3	81
180970057	2012	1	25	15	V	1.0	0	4.48	34
180970057	2012	1	25	16	V	0.1	0	3.07	62
180970057	2012	1	25	17	V	0.5	0	3.76	60
180970057	2012	1	25	18	V	0.1	0.3	4.46	62
180970057	2012	1	25	19	V	0.04	0	3.68	99
180970057	2012	1	25	20	V	0.04	0	4.1	93
180970057	2012	1	25	21	V	0.04	0	3.63	116
180970057	2012	1	25	22	V	0.03	0	4.8	120
180970057	2012	1	25	23	V	0.03	0	4.92	121
180970057	2012	1	25	24	V	0.03	0	4.65	107
180970057	2012	1	26	1	V	0.02	0	3.8	89
180970057	2012	1	26	2	V	0.01	0	4.05	92
180970057	2012	1	26	3	V	0.02	0	3.83	88
180970057	2012	1	26	4	V	0.04	0	3.86	79
180970057	2012	1	26	5	V	0.04	0	3.88	80
180970057	2012	1	26	6	V	0.03	0	4.53	86
180970057	2012	1	26	7	V	0.04	0	2.98	78
180970057	2012	1	26	8	V	0.1	0	3.35	78
180970057	2012	1	26	9	V	0.2	0	4.1	74
180970057	2012	1	26	10	V	0.2	0	3.85	94
180970057	2012	1	26	11	V	0.3	0	3.2	102
180970057	2012	1	26	12	V	0.9	0.2	1.98	93
180970057	2012	1	26	13	V	2.9	0	1.23	136
180970057	2012	1	26	14	V	17.9	0	1.09	214
180970057	2012	1	26	15	V	1.3	0	1.42	236
180970057	2012	1	26	16	V	1.0	0	1.38	267
180970057	2012	1	26	17	V	0.1	0	2.88	213
180970057	2012	1	26	18	V	0.6	0	4.34	239
180970057	2012	1	26	19	V	0.2	0	4.6	284
180970057	2012	1	26	20	V	0.02	0	5.31	296
180970057	2012	1	26	21	V	0.04	0	4.41	312
180970057	2012	1	26	22	V	0.02	0	5.56	304
180970057	2012	1	26	23	V	0.02	0	5.82	312
180970057	2012	1	26	24	V	0.03	0	4.37	303

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	27	1	V	0.1	0	4.68	285
180970057	2012	1	27	2	V	0.07	0	5.65	286
180970057	2012	1	27	3	V	0.1	0	6.16	284
180970057	2012	1	27	4	V	0.2	0	6.67	281
180970057	2012	1	27	5	V	0.02	0	5.92	290
180970057	2012	1	27	6	V	0.02	0	6.4	291
180970057	2012	1	27	7	V	0.03	0	7.94	288
180970057	2012	1	27	8	V	0.01	0	6.67	296
180970057	2012	1	27	9	V	0.03	0	6.86	287
180970057	2012	1	27	10	V	0.03	0	5.95	292
180970057	2012	1	27	11	V	0.3	0	4.22	262
180970057	2012	1	27	12	V	0.3	0	4.54	275
180970057	2012	1	27	13	V	0.06	0	5.56	298
180970057	2012	1	27	14	V	0.03	0	5.19	300
180970057	2012	1	27	15	V	0.02	0	4.87	287
180970057	2012	1	27	16	V	0.7	0	3.57	258
180970057	2012	1	27	17	V	0.3	0	3.25	227
180970057	2012	1	27	18	V	0.06	0	3.76	214
180970057	2012	1	27	19	V	10.3	0	3.85	200
180970057	2012	1	27	20	V	0.8	0	3.64	207
180970057	2012	1	27	21	V	19.7	0	2.72	195
180970057	2012	1	27	22	V	0.2	0	2.45	179
180970057	2012	1	27	23	V	0.01	0	3.39	160
180970057	2012	1	27	24	V	0.2	0	3.68	179
180970057	2012	1	28	1	V	0.01	0	4	171
180970057	2012	1	28	2	V	1.3	0	4.29	192
180970057	2012	1	28	3	V	0.8	0	4.05	200
180970057	2012	1	28	4	V	1.3	0	4.15	190
180970057	2012	1	28	5	V	0.3	0	3.66	208
180970057	2012	1	28	6	V	0.03	0	3.92	216
180970057	2012	1	28	7	V	0.2	0	5.75	241
180970057	2012	1	28	8	V	0.4	0	9.68	270
180970057	2012	1	28	9	V	0.09	0	9.24	267
180970057	2012	1	28	10	V	0.08	0	10	270
180970057	2012	1	28	11	V	0.08	0	9.93	270
180970057	2012	1	28	12	V	0.07	0	10.51	270
180970057	2012	1	28	13	V	0.08	0	9.76	269
180970057	2012	1	28	14	V	0.08	0	9.9	268
180970057	2012	1	28	15	V	0.1	0	9.15	263
180970057	2012	1	28	16	V	0.5	0	9.52	260
180970057	2012	1	28	17	V	0.4	0	9.88	265
180970057	2012	1	28	18	V	0.6	0	7.62	255
180970057	2012	1	28	19	V	0.5	0	5.7	243
180970057	2012	1	28	20	V	0.2	0	4.71	225
180970057	2012	1	28	21	V	0.03	0	5.09	219
180970057	2012	1	28	22	V	0.2	0	5.39	226

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	28	23	V	0.2	0	6.77	230
180970057	2012	1	28	24	V	0.3	0	6.28	233
180970057	2012	1	29	1	V	0.02	0	5.63	221
180970057	2012	1	29	2	V	0.04	0.2	5.36	214
180970057	2012	1	29	3	V	0.02	0.8	6.3	220
180970057	2012	1	29	4	V	0.03	0.7	7.37	224
180970057	2012	1	29	5	V	0.08	0.1	6.79	231
180970057	2012	1	29	6	V	0.02	0	6.47	221
180970057	2012	1	29	7	V	0.02	0	6.57	221
180970057	2012	1	29	8	V	0.03	0	6.14	218
180970057	2012	1	29	9	V	0.04	0.3	6.58	217
180970057	2012	1	29	10	V	0.03	2.2	7.67	222
180970057	2012	1	29	11	V	0.2	1.5	9.98	235
180970057	2012	1	29	12	V	0.1	0.8	10.36	256
180970057	2012	1	29	13	V	0.09	0.4	10.27	266
180970057	2012	1	29	14	V	0.05	0.2	10.99	278
180970057	2012	1	29	15	V	0.02	0	11.87	285
180970057	2012	1	29	16	V	0.2	0	10.8	277
180970057	2012	1	29	17	V	0.3	0	8.64	278
180970057	2012	1	29	18	V	0.01	0	6.63	293
180970057	2012	1	29	19	V	0.02	0	4.6	288
180970057	2012	1	29	20	V	0.6	0	2.57	264
180970057	2012	1	29	21	V	0.4	0	3.18	251
180970057	2012	1	29	22	V	1.0	0	2.38	242
180970057	2012	1	29	23	V	0.6	-999	1.18	210
180970057	2012	1	29	24	V	3.9	0	0.74	204
180970057	2012	1	30	1	V	0.06	0	1.74	160
180970057	2012	1	30	2	V	0.05	0	1.99	173
180970057	2012	1	30	3	V	0.08	0	1.57	136
180970057	2012	1	30	4	V	0.02	0	2.27	130
180970057	2012	1	30	5	V	0.01	0	3.47	142
180970057	2012	1	30	6	V	0.01	0	3.81	134
180970057	2012	1	30	7	V	0.01	0	4.63	139
180970057	2012	1	30	8	V	0.01	0	5.72	146
180970057	2012	1	30	9	V	0.04	0	5.31	150
180970057	2012	1	30	10	V	0.06	0	4.9	167
180970057	2012	1	30	11	V	0.9	0.3	4.88	183
180970057	2012	1	30	12	V	1.1	2	6.02	189
180970057	2012	1	30	13	V	1.0	2.3	6.89	191
180970057	2012	1	30	14	V	0.7	2.5	5.8	197
180970057	2012	1	30	15	V	0.2	3.9	8.25	203
180970057	2012	1	30	16	V	0.2	1.9	9.02	207
180970057	2012	1	30	17	V	0.04	2.3	9.73	213
180970057	2012	1	30	18	V	0.1	2.6	9.47	209
180970057	2012	1	30	19	V	0.1	1.1	7.57	209
180970057	2012	1	30	20	V	0.4	0.9	6.82	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	1	30	21	V	0.3	0.8	7.45	206
180970057	2012	1	30	22	V	0.07	1.3	9	211
180970057	2012	1	30	23	V	0.05	2.6	9.88	212
180970057	2012	1	30	24	V	0.04	1.7	9.75	213
180970057	2012	1	31	1	V	0.01	1.4	9.64	217
180970057	2012	1	31	2	V	0.02	1.1	10.19	223
180970057	2012	1	31	3	V	0.02	1	9.56	223
180970057	2012	1	31	4	V	0.01	1.1	8.15	221
180970057	2012	1	31	5	V	0.02	1.1	8.78	224
180970057	2012	1	31	6	V	0.04	1.1	8.93	227
180970057	2012	1	31	7	V	0.05	0.9	8.9	228
180970057	2012	1	31	8	V	0.02	1.1	8.35	224
180970057	2012	1	31	9	V	0.04	1.3	6.57	214
180970057	2012	1	31	10	V	0.05	1.7	7.23	212
180970057	2012	1	31	11	V	0.04	1.9	8.73	213
180970057	2012	1	31	12	V	0.04	1.8	8.47	211
180970057	2012	1	31	13	V	0.04	1.8	7.96	213
180970057	2012	1	31	14	V	0.03	1.3	9.1	223
180970057	2012	1	31	15	V	0.02	1.1	8.98	218
180970057	2012	1	31	16	V	0.3	0.7	9.37	204
180970057	2012	1	31	17	V	0.4	0.1	7.77	202
180970057	2012	1	31	18	V	0.4	0	6.52	203
180970057	2012	1	31	19	V	0.2	0	7.43	207
180970057	2012	1	31	20	V	0.1	0	7.08	210
180970057	2012	1	31	21	V	0.4	0	7.09	202
180970057	2012	1	31	22	V	0.4	0	7.33	201
180970057	2012	1	31	23	V	0.05	0	7.11	213
180970057	2012	1	31	24	V	0.04	0	8.44	222
180970057	2012	2	1	1	V	0.03	0	8.85	225
180970057	2012	2	1	2	V	0.07	0	7.37	230
180970057	2012	2	1	3	V	0.1	0	6.96	233
180970057	2012	2	1	4	V	0.2	0	4.95	244
180970057	2012	2	1	5	V	0.3	0	4.44	247
180970057	2012	2	1	6	V	0.2	0	3.85	283
180970057	2012	2	1	7	V	0.03	0	3.3	286
180970057	2012	2	1	8	V	0.1	0	3.34	287
180970057	2012	2	1	9	V	0.2	0	2.91	306
180970057	2012	2	1	10	V	0.4	0	2.59	311
180970057	2012	2	1	11	V	2.0	0	1.48	259
180970057	2012	2	1	12	V	0.9	0.3	1.79	251
180970057	2012	2	1	13	V	0.9	0.2	1.7	261
180970057	2012	2	1	14	V	0.9	0	1.4	266
180970057	2012	2	1	15	V	0.4	0	1.71	251
180970057	2012	2	1	16	V	0.01	0	3.29	319
180970057	2012	2	1	17	V	0.01	0	4.66	331
180970057	2012	2	1	18	V	0.01	0	5.09	344

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	1	19	V	0.01	0	4.12	353
180970057	2012	2	1	20	V	0.01	0	4.19	13
180970057	2012	2	1	21	V	0.01	0	3.64	9
180970057	2012	2	1	22	V	0.01	0	3.73	3
180970057	2012	2	1	23	V	0.01	0	3.44	355
180970057	2012	2	1	24	V	0.01	0	2.95	6
180970057	2012	2	2	1	V	0.01	0	2.76	359
180970057	2012	2	2	2	V	0.02	0	2.49	352
180970057	2012	2	2	3	V	0.01	0	2.62	339
180970057	2012	2	2	4	V	0.04	0	2.06	330
180970057	2012	2	2	5	V	0.03	0	2.2	325
180970057	2012	2	2	6	V	0.04	0	2.15	326
180970057	2012	2	2	7	V	0.01	0	2.61	336
180970057	2012	2	2	8	V	0.2	0	2.27	340
180970057	2012	2	2	9	V	0.4	0	1.54	327
180970057	2012	2	2	10	V	0.4	0	1.57	336
180970057	2012	2	2	11	V	3.5	0.2	1.25	2
180970057	2012	2	2	12	V	4.6	1.5	1.16	171
180970057	2012	2	2	13	V	0.8	1.9	2.3	240
180970057	2012	2	2	14	V	0.4	2	2.88	258
180970057	2012	2	2	15	V	0.4	1	2.79	273
180970057	2012	2	2	16	V	0.01	0.8	2.84	306
180970057	2012	2	2	17	V	0.01	0.7	2.9	315
180970057	2012	2	2	18	V	0.02	0.1	2.45	326
180970057	2012	2	2	19	V	0.01	0	2.72	332
180970057	2012	2	2	20	V	0.02	0	2.47	345
180970057	2012	2	2	21	V	0.09	0	1.64	8
180970057	2012	2	2	22	V	35.0	0.1	1.11	45
180970057	2012	2	2	23	V	17.2	0.1	1.2	37
180970057	2012	2	2	24	V	0.04	0	2.11	71
180970057	2012	2	3	1	V	0.07	0	2.04	71
180970057	2012	2	3	2	V	0.2	0	1.96	66
180970057	2012	2	3	3	V	0.04	0	2.35	82
180970057	2012	2	3	4	V	0.04	0	2.45	87
180970057	2012	2	3	5	V	0.08	0	2.11	97
180970057	2012	2	3	6	V	0.05	0	2.52	103
180970057	2012	2	3	7	V	0.3	0	1.62	70
180970057	2012	2	3	8	V	3.8	0	2.2	67
180970057	2012	2	3	9	V	2.5	0.2	2.5	72
180970057	2012	2	3	10	V	0.4	0.4	3.18	83
180970057	2012	2	3	11	V	0.4	1.8	3.39	106
180970057	2012	2	3	12	V	0.2	2.7	4.22	105
180970057	2012	2	3	13	V	0.2	3.3	3.76	138
180970057	2012	2	3	14	V	0.1	3.7	3.4	128
180970057	2012	2	3	15	V	0.05	3.5	3.44	129
180970057	2012	2	3	16	V	0.04	2.8	3.2	126

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	3	17	V	0.03	1.2	3.15	106
180970057	2012	2	3	18	V	0.04	0.7	2.95	94
180970057	2012	2	3	19	V	0.03	0.6	3.34	86
180970057	2012	2	3	20	V	0.03	0.3	3	91
180970057	2012	2	3	21	V	0.04	0.4	3.4	76
180970057	2012	2	3	22	V	0.03	1.1	3.52	77
180970057	2012	2	3	23	V	0.05	1.1	3.92	69
180970057	2012	2	3	24	V	0.6	0.6	5.24	56
180970057	2012	2	4	1	V	0.04	0.1	3.78	74
180970057	2012	2	4	2	V	0.04	0	3.42	68
180970057	2012	2	4	3	V	7.0	0.2	3.81	45
180970057	2012	2	4	4	V	2.2	1	4.92	43
180970057	2012	2	4	5	V	4.1	1.3	4.37	51
180970057	2012	2	4	6	V	0.5	1	6.07	40
180970057	2012	2	4	7	V	0.02	0.7	6.46	68
180970057	2012	2	4	8	V	0.1	0	6.58	70
180970057	2012	2	4	9	V	2.8	0	5.79	61
180970057	2012	2	4	10	V	7.3	0.1	6.43	56
180970057	2012	2	4	11	V	0.7	0	6.7	66
180970057	2012	2	4	12	V	0.07	0	6.41	69
180970057	2012	2	4	13	V	0.09	0	6.4	68
180970057	2012	2	4	14	V	0.04	0	6.5	76
180970057	2012	2	4	15	V	0.03	0	6.06	84
180970057	2012	2	4	16	V	0.02	0	5.97	82
180970057	2012	2	4	17	V	0.02	0	5.65	80
180970057	2012	2	4	18	V	0.02	0	5.24	81
180970057	2012	2	4	19	V	0.03	0	4.49	74
180970057	2012	2	4	20	V	0.03	0	4.66	70
180970057	2012	2	4	21	V	4.3	0.2	4.51	48
180970057	2012	2	4	22	V	1.7	1.2	5.12	43
180970057	2012	2	4	23	V	1.5	2	4.71	40
180970057	2012	2	4	24	V	2.1	1.6	4.27	39
180970057	2012	2	5	1	V	0.2	0.4	4.2	32
180970057	2012	2	5	2	V	0.02	0	5.46	26
180970057	2012	2	5	3	V	0.2	0.2	3.97	32
180970057	2012	2	5	4	V	0.03	0	5.27	29
180970057	2012	2	5	5	V	0.08	0	4.17	30
180970057	2012	2	5	6	V	0.09	0	4.15	30
180970057	2012	2	5	7	V	0.03	0	3.54	22
180970057	2012	2	5	8	V	1.0	0	3.32	28
180970057	2012	2	5	9	V	7.8	0.4	3.75	37
180970057	2012	2	5	10	V	13.2	1.3	3.27	56
180970057	2012	2	5	11	V	4.8	4.1	3.93	62
180970057	2012	2	5	12	V	8.4	2.3	3.41	58
180970057	2012	2	5	13	V	7.4	2.4	2.28	61
180970057	2012	2	5	14	V	0.5	3.4	2.13	92

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	5	15	V	1.3	4.4	1.99	71
180970057	2012	2	5	16	V	2.5	2.5	1.62	33
180970057	2012	2	5	17	V	0.04	1.2	2.57	13
180970057	2012	2	5	18	V	0.02	0.8	3.44	21
180970057	2012	2	5	19	V	0.05	0.4	2.5	16
180970057	2012	2	5	20	V	0.1	0.2	2.01	3
180970057	2012	2	5	21	V	0.1	0.1	1.84	342
180970057	2012	2	5	22	V	0.04	0.1	2.52	351
180970057	2012	2	5	23	V	0.02	-999	3.22	356
180970057	2012	2	5	24	V	0.02	0	3.3	355
180970057	2012	2	6	1	V	0.1	0.2	1.89	321
180970057	2012	2	6	2	V	3.8	0.1	0.75	222
180970057	2012	2	6	3	V	0.4	0.3	1.65	237
180970057	2012	2	6	4	V	1.2	0.5	1.72	273
180970057	2012	2	6	5	V	1.2	0.7	1.42	273
180970057	2012	2	6	6	V	0.6	0.6	1.25	304
180970057	2012	2	6	7	V	1.0	0.9	1.31	252
180970057	2012	2	6	8	V	2.3	1.2	1.53	233
180970057	2012	2	6	9	V	1.4	0.9	1.88	269
180970057	2012	2	6	10	V	2.2	1	1.71	241
180970057	2012	2	6	11	V	1.0	1.8	2.62	238
180970057	2012	2	6	12	V	0.5	2.3	3.93	244
180970057	2012	2	6	13	V	0.3	-999	4.58	251
180970057	2012	2	6	14	V	0.2	-999	4.71	264
180970057	2012	2	6	15	V	0.3	0.7	5.11	250
180970057	2012	2	6	16	V	0.7	0.7	5.87	254
180970057	2012	2	6	17	V	0.5	0.6	5.97	249
180970057	2012	2	6	18	V	0.5	0.3	5.55	245
180970057	2012	2	6	19	V	0.7	0	4.36	243
180970057	2012	2	6	20	V	0.5	0	3.54	233
180970057	2012	2	6	21	V	0.02	0	4.31	304
180970057	2012	2	6	22	V	0.03	0	3.64	298
180970057	2012	2	6	23	V	0.04	0	3.78	293
180970057	2012	2	6	24	V	0.7	0	4.29	270
180970057	2012	2	7	1	V	0.7	0	4.42	257
180970057	2012	2	7	2	V	0.7	0	3.81	270
180970057	2012	2	7	3	V	0.01	0	2.64	305
180970057	2012	2	7	4	V	0.02	0	2.49	289
180970057	2012	2	7	5	V	0.04	0	2.79	286
180970057	2012	2	7	6	V	0.01	0	4.32	304
180970057	2012	2	7	7	V	0.01	0	3.83	314
180970057	2012	2	7	8	V	0.07	0	3.27	339
180970057	2012	2	7	9	V	0.8	0	2.74	23
180970057	2012	2	7	10	V	13.9	0.2	3.18	51
180970057	2012	2	7	11	V	2.4	0	2.16	23
180970057	2012	2	7	12	V	10.7	0.6	2.25	35

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	7	13	V	0.3	0.4	2.27	10
180970057	2012	2	7	14	V	0.7	0	2.61	20
180970057	2012	2	7	15	V	2.7	0.7	3.12	31
180970057	2012	2	7	16	V	8.3	1.5	2.96	46
180970057	2012	2	7	17	V	0.8	0.7	2.93	37
180970057	2012	2	7	18	V	2.4	0.5	4.78	43
180970057	2012	2	7	19	V	2.4	0	3.71	39
180970057	2012	2	7	20	V	0.02	0	3.35	17
180970057	2012	2	7	21	V	0.01	0	3.32	18
180970057	2012	2	7	22	V	0.01	0	3.29	16
180970057	2012	2	7	23	V	0.01	0	2.96	19
180970057	2012	2	7	24	V	0.01	0	3.18	11
180970057	2012	2	8	1	V	0.01	0	3.2	5
180970057	2012	2	8	2	V	0.02	0	2.57	358
180970057	2012	2	8	3	V	0.01	0	2.61	3
180970057	2012	2	8	4	V	0.01	0	3.05	22
180970057	2012	2	8	5	V	0.3	0	2.67	35
180970057	2012	2	8	6	V	0.02	0	3.42	29
180970057	2012	2	8	7	V	0.02	0	3.73	22
180970057	2012	2	8	8	V	0.2	0	4.2	25
180970057	2012	2	8	9	V	0.2	0	3.81	25
180970057	2012	2	8	10	V	4.6	0.7	2.89	30
180970057	2012	2	8	11	V	0.04	0	3.46	3
180970057	2012	2	8	12	V	0.06	0	2.78	5
180970057	2012	2	8	13	V	0.05	0	3.1	349
180970057	2012	2	8	14	V	0.03	0	3.76	330
180970057	2012	2	8	15	V	0.01	0	4.15	341
180970057	2012	2	8	16	V	0.02	0	3.9	325
180970057	2012	2	8	17	V	0.01	0	3.76	327
180970057	2012	2	8	18	V	0.01	0	3.32	318
180970057	2012	2	8	19	V	0.01	0	2.95	308
180970057	2012	2	8	20	V	0.01	0	2.86	298
180970057	2012	2	8	21	V	0.01	0	3.59	299
180970057	2012	2	8	22	V	0.01	0	3.42	295
180970057	2012	2	8	23	V	0.01	0	4	295
180970057	2012	2	8	24	V	0.02	0	4.46	292
180970057	2012	2	9	1	V	0.01	0	5.21	305
180970057	2012	2	9	2	V	0.01	0	4.94	304
180970057	2012	2	9	3	V	0.01	0	4.88	312
180970057	2012	2	9	4	V	0.01	0	4.51	313
180970057	2012	2	9	5	V	0.01	0	4.34	315
180970057	2012	2	9	6	V	0.2	0	2.79	282
180970057	2012	2	9	7	V	0.5	0	2.73	279
180970057	2012	2	9	8	V	0.2	0	3.59	280
180970057	2012	2	9	9	V	0.2	0	4.24	266
180970057	2012	2	9	10	V	0.5	0	3.1	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	9	11	V	0.5	0	3	239
180970057	2012	2	9	12	V	0.1	0	4.42	229
180970057	2012	2	9	13	V	0.3	0	4.58	248
180970057	2012	2	9	14	V	0.4	0	4.78	244
180970057	2012	2	9	15	V	0.2	0	5.22	248
180970057	2012	2	9	16	V	0.7	0	5.6	246
180970057	2012	2	9	17	V	0.5	0	5.09	241
180970057	2012	2	9	18	V	0.03	0	5.16	216
180970057	2012	2	9	19	V	0.05	0	4.29	214
180970057	2012	2	9	20	V	1.5	0	3.64	195
180970057	2012	2	9	21	V	0.1	0	3.78	178
180970057	2012	2	9	22	V	2.1	0	3.74	190
180970057	2012	2	9	23	V	1.0	0.1	3.54	200
180970057	2012	2	9	24	V	0.4	0.4	3.85	207
180970057	2012	2	10	1	V	0.04	0.3	3.92	223
180970057	2012	2	10	2	V	0.2	0	3.44	239
180970057	2012	2	10	3	V	0.07	0	3.29	226
180970057	2012	2	10	4	V	0.6	0	3.08	205
180970057	2012	2	10	5	V	0.3	0	3.9	208
180970057	2012	2	10	6	V	1.3	1.2	3.88	195
180970057	2012	2	10	7	V	1.6	1	3.9	194
180970057	2012	2	10	8	V	1.2	0.6	4.07	185
180970057	2012	2	10	9	V	1.1	0.8	4.9	187
180970057	2012	2	10	10	V	1.0	0.6	5.16	193
180970057	2012	2	10	11	V	0.7	0.5	5.87	196
180970057	2012	2	10	12	V	0.8	0.5	5.85	196
180970057	2012	2	10	13	V	0.7	0.5	5.67	197
180970057	2012	2	10	14	V	0.8	0.5	5.99	195
180970057	2012	2	10	15	V	0.2	0.2	6.4	202
180970057	2012	2	10	16	V	0.1	0.1	6.02	211
180970057	2012	2	10	17	V	0.04	0.2	5.79	215
180970057	2012	2	10	18	V	0.2	0.1	4.19	210
180970057	2012	2	10	19	V	0.6	0.6	4.19	204
180970057	2012	2	10	20	V	0.2	0.3	5.04	227
180970057	2012	2	10	21	V	0.01	0	6.86	292
180970057	2012	2	10	22	V	0.01	0	7.83	299
180970057	2012	2	10	23	V	0.005	0	8.5	318
180970057	2012	2	10	24	V	0.004	-999	9.85	322
180970057	2012	2	11	1	V	0.004	0	9.56	310
180970057	2012	2	11	2	V	0.004	0	10.05	313
180970057	2012	2	11	3	V	0.004	0	9.07	312
180970057	2012	2	11	4	V	0.004	0	8.85	310
180970057	2012	2	11	5	V	0.004	0	8.25	310
180970057	2012	2	11	6	V	0.005	0	8.64	311
180970057	2012	2	11	7	V	0.005	0	8.15	306
180970057	2012	2	11	8	V	0.03	0	7.77	303

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	11	9	V	0.03	0	7.96	300
180970057	2012	2	11	10	V	0.02	0	8.42	301
180970057	2012	2	11	11	V	0.02	0	7.93	301
180970057	2012	2	11	12	V	0.03	0	8.23	298
180970057	2012	2	11	13	V	0.02	0	8.17	298
180970057	2012	2	11	14	V	0.02	0	8.85	299
180970057	2012	2	11	15	V	0.02	0	8.85	299
180970057	2012	2	11	16	V	0.01	0	9.22	302
180970057	2012	2	11	17	V	0.004	0	8.93	301
180970057	2012	2	11	18	V	0.005	0	8.28	302
180970057	2012	2	11	19	V	0.01	0	6.3	298
180970057	2012	2	11	20	V	0.01	0	4.87	290
180970057	2012	2	11	21	V	0.6	0	3.93	268
180970057	2012	2	11	22	V	0.8	0	3.37	257
180970057	2012	2	11	23	V	0.6	0	3.68	269
180970057	2012	2	11	24	V	0.02	0	4.27	287
180970057	2012	2	12	1	V	0.01	0	4.53	289
180970057	2012	2	12	2	V	0.4	0	5.38	278
180970057	2012	2	12	3	V	0.05	0	4.97	286
180970057	2012	2	12	4	V	0.4	0	4.76	279
180970057	2012	2	12	5	V	0.6	0	4.78	274
180970057	2012	2	12	6	V	0.7	0	4.49	261
180970057	2012	2	12	7	V	0.6	0	5.48	266
180970057	2012	2	12	8	V	0.2	0	5.12	267
180970057	2012	2	12	9	V	0.1	0	6.45	271
180970057	2012	2	12	10	V	0.1	0	6.92	278
180970057	2012	2	12	11	V	0.1	0	7.04	276
180970057	2012	2	12	12	V	0.1	0	6.64	271
180970057	2012	2	12	13	V	0.2	0	6.53	264
180970057	2012	2	12	14	V	0.1	0	7.54	265
180970057	2012	2	12	15	V	0.1	0	7.86	264
180970057	2012	2	12	16	V	0.6	0.1	7.37	268
180970057	2012	2	12	17	V	0.6	0.1	7.04	272
180970057	2012	2	12	18	V	0.8	0.1	6.18	262
180970057	2012	2	12	19	V	0.6	0	5.05	255
180970057	2012	2	12	20	V	0.7	0	4.34	247
180970057	2012	2	12	21	V	0.6	0	5.09	250
180970057	2012	2	12	22	V	0.6	0	4.8	254
180970057	2012	2	12	23	V	0.6	-999	3.85	250
180970057	2012	2	12	24	V	0.7	0	3.93	247
180970057	2012	2	13	1	V	0.2	0	3.76	247
180970057	2012	2	13	2	V	0.2	0	3.4	240
180970057	2012	2	13	3	V	0.07	0	2.66	225
180970057	2012	2	13	4	V	0.09	0	3.01	227
180970057	2012	2	13	5	V	0.09	0	2.27	224
180970057	2012	2	13	6	V	0.07	0	2.42	219

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	13	7	V	0.1	0.6	2.81	214
180970057	2012	2	13	8	V	1.6	1.8	2.91	217
180970057	2012	2	13	9	V	2.3	2.1	3.01	218
180970057	2012	2	13	10	V	4.2	2	3.12	214
180970057	2012	2	13	11	V	2.0	3.1	4.1	214
180970057	2012	2	13	12	V	46.9	11	4.02	199
180970057	2012	2	13	13	V	36.7	22	4.63	186
180970057	2012	2	13	14	V	16.9	14.7	4	202
180970057	2012	2	13	15	V	29.1	8.3	4.39	195
180970057	2012	2	13	16	V	0.1	4	4.34	171
180970057	2012	2	13	17	V	0.05	3.9	5.12	151
180970057	2012	2	13	18	V	0.05	2.2	4.93	147
180970057	2012	2	13	19	V	0.04	1.3	5.21	166
180970057	2012	2	13	20	V	17.1	8.5	6.47	190
180970057	2012	2	13	21	V	7.4	4.5	4.65	182
180970057	2012	2	13	22	V	0.07	2.4	4.71	171
180970057	2012	2	13	23	V	0.07	0.7	2.69	155
180970057	2012	2	13	24	V	0.06	1.5	3.35	160
180970057	2012	2	14	1	V	8.1	0.5	4.02	183
180970057	2012	2	14	2	V	0.06	0	3.05	160
180970057	2012	2	14	3	V	0.05	0	3.25	146
180970057	2012	2	14	4	V	0.05	0	3.24	145
180970057	2012	2	14	5	V	0.06	0	3.18	151
180970057	2012	2	14	6	V	0.06	0	3.4	157
180970057	2012	2	14	7	V	0.08	0	3.27	153
180970057	2012	2	14	8	V	0.4	0	2.39	149
180970057	2012	2	14	9	V	3.8	0	2.54	168
180970057	2012	2	14	10	V	49.1	0.3	2.56	185
180970057	2012	2	14	11	V	18.3	0.5	2.88	209
180970057	2012	2	14	12	V	0.4	0.8	3.88	233
180970057	2012	2	14	13	V	0.3	0.2	4.12	248
180970057	2012	2	14	14	V	0.2	0	4.02	251
180970057	2012	2	14	15	V	0.3	0	4.03	258
180970057	2012	2	14	16	V	0.8	0	5.09	245
180970057	2012	2	14	17	V	0.8	0	4.36	246
180970057	2012	2	14	18	V	0.5	0	4.59	237
180970057	2012	2	14	19	V	0.8	0	3.68	243
180970057	2012	2	14	20	V	0.7	0	4.24	253
180970057	2012	2	14	21	V	0.7	0	2.76	240
180970057	2012	2	14	22	V	0.5	0	2.79	229
180970057	2012	2	14	23	V	0.07	0	2.96	217
180970057	2012	2	14	24	V	0.08	0	3.22	215
180970057	2012	2	15	1	V	0.07	0	3.47	222
180970057	2012	2	15	2	V	0.2	0	3.05	210
180970057	2012	2	15	3	V	3.3	0	2.69	193
180970057	2012	2	15	4	V	1.7	0	3.17	189

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	15	5	V	0.2	0	3.83	180
180970057	2012	2	15	6	V	0.01	0	2.71	147
180970057	2012	2	15	7	V	0.03	0	3.63	159
180970057	2012	2	15	8	V	0.06	0	4.36	161
180970057	2012	2	15	9	V	0.09	0.2	3.93	159
180970057	2012	2	15	10	V	0.08	1.1	4.48	151
180970057	2012	2	15	11	V	0.05	0.7	5.7	155
180970057	2012	2	15	12	V	0.04	1	5.79	144
180970057	2012	2	15	13	V	0.04	0.7	6.19	143
180970057	2012	2	15	14	V	0.07	1	4.2	155
180970057	2012	2	15	15	V	0.02	0.5	4.53	169
180970057	2012	2	15	16	V	0.02	0	3.9	152
180970057	2012	2	15	17	V	0.01	0	4.26	140
180970057	2012	2	15	18	V	0.01	0	5.65	129
180970057	2012	2	15	19	V	0.01	0	4.51	133
180970057	2012	2	15	20	V	0.01	0	4.51	132
180970057	2012	2	15	21	V	0.01	0	4.26	136
180970057	2012	2	15	22	V	0.01	0	6.19	153
180970057	2012	2	15	23	V	0.01	0	6.91	143
180970057	2012	2	15	24	V	0.01	0	6.74	155
180970057	2012	2	16	1	V	0.01	0	5.29	152
180970057	2012	2	16	2	V	0.01	0	5.12	163
180970057	2012	2	16	3	V	0.02	0	2.71	158
180970057	2012	2	16	4	V	0.08	0	1.45	109
180970057	2012	2	16	5	V	0.03	0	2.1	145
180970057	2012	2	16	6	V	0.02	0	2.33	170
180970057	2012	2	16	7	V	0.05	0	1.94	221
180970057	2012	2	16	8	V	0.4	0.1	1.71	242
180970057	2012	2	16	9	V	0.5	0	2.86	245
180970057	2012	2	16	10	V	0.2	0	5.41	268
180970057	2012	2	16	11	V	0.04	0	5.41	284
180970057	2012	2	16	12	V	0.04	0	5.6	284
180970057	2012	2	16	13	V	0.02	0	7.26	292
180970057	2012	2	16	14	V	0.02	0	7.38	289
180970057	2012	2	16	15	V	0.02	0	6.57	296
180970057	2012	2	16	16	V	0.01	0	7.2	292
180970057	2012	2	16	17	V	0.01	0	6.43	296
180970057	2012	2	16	18	V	0.1	0	4.39	284
180970057	2012	2	16	19	V	0.01	0	4.99	296
180970057	2012	2	16	20	V	0.1	0	4.17	284
180970057	2012	2	16	21	V	0.6	0	4.17	266
180970057	2012	2	16	22	V	0.7	0	3.8	243
180970057	2012	2	16	23	V	0.6	0	3.56	240
180970057	2012	2	16	24	V	0.5	0	3.25	252
180970057	2012	2	17	1	V	0.1	0	3.4	242
180970057	2012	2	17	2	V	0.1	0	3.68	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	17	3	V	0.1	0	3.68	237
180970057	2012	2	17	4	V	0.1	0	3.27	241
180970057	2012	2	17	5	V	0.1	0	3.15	251
180970057	2012	2	17	6	V	0.5	0	2.66	255
180970057	2012	2	17	7	V	0.7	0	2.35	256
180970057	2012	2	17	8	V	0.5	0.6	2.13	253
180970057	2012	2	17	9	V	1.2	0.6	2.01	237
180970057	2012	2	17	10	V	1.0	0.2	2.37	242
180970057	2012	2	17	11	V	0.7	0.4	2.3	241
180970057	2012	2	17	12	V	0.5	0.1	2.27	229
180970057	2012	2	17	13	V	0.4	0	2.73	235
180970057	2012	2	17	14	V	0.4	0	2.95	250
180970057	2012	2	17	15	V	0.4	0	4.17	242
180970057	2012	2	17	16	V	0.07	0	3.92	220
180970057	2012	2	17	17	V	0.3	0	4.7	228
180970057	2012	2	17	18	V	0.3	0.8	4.41	227
180970057	2012	2	17	19	V	0.1	0.7	4.02	223
180970057	2012	2	17	20	V	0.02	0.1	4.07	218
180970057	2012	2	17	21	V	0.4	0	3.68	230
180970057	2012	2	17	22	V	0.5	0	3.4	235
180970057	2012	2	17	23	V	0.2	0	3.42	226
180970057	2012	2	17	24	V	0.02	0	3.37	219
180970057	2012	2	18	1	V	0.03	0	3.4	213
180970057	2012	2	18	2	V	0.01	0	3.34	218
180970057	2012	2	18	3	V	0.01	0.1	3.34	218
180970057	2012	2	18	4	V	0.2	0.2	3.24	235
180970057	2012	2	18	5	V	0.3	0.1	3.03	253
180970057	2012	2	18	6	V	0.1	0.2	2.23	282
180970057	2012	2	18	7	V	0.04	0.1	2.71	289
180970057	2012	2	18	8	V	0.3	0	2.96	283
180970057	2012	2	18	9	V	0.2	0.1	3.54	301
180970057	2012	2	18	10	V	0.06	0.3	5.26	315
180970057	2012	2	18	11	V	0.06	0.6	5.43	322
180970057	2012	2	18	12	V	0.05	0.6	6.04	336
180970057	2012	2	18	13	V	0.04	0.6	6.26	337
180970057	2012	2	18	14	V	0.04	0.1	5.31	349
180970057	2012	2	18	15	V	0.03	0	5.24	348
180970057	2012	2	18	16	V	0.04	0	3.9	351
180970057	2012	2	18	17	V	0.01	0	4.56	5
180970057	2012	2	18	18	V	0.01	0	4.7	13
180970057	2012	2	18	19	V	0.01	0	4.92	11
180970057	2012	2	18	20	V	0.01	0	4.29	18
180970057	2012	2	18	21	V	0.01	0	4.94	26
180970057	2012	2	18	22	V	0.03	0	4.44	33
180970057	2012	2	18	23	V	0.01	2.9	3.42	33
180970057	2012	2	18	24	V	0.01	0	4.27	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	19	1	V	0.5	0.5	4.48	38
180970057	2012	2	19	2	V	3.5	4.5	4.43	44
180970057	2012	2	19	3	V	0.8	6.8	4.73	40
180970057	2012	2	19	4	V	1.9	5	4.53	42
180970057	2012	2	19	5	V	4.4	4.5	4.07	47
180970057	2012	2	19	6	V	1.3	4	3.97	54
180970057	2012	2	19	7	V	5.9	5.4	4.53	44
180970057	2012	2	19	8	V	7.8	7.1	4.03	37
180970057	2012	2	19	9	V	4.3	6.1	4.19	33
180970057	2012	2	19	10	V	12.0	10.7	5.84	44
180970057	2012	2	19	11	V	17.2	14.3	6.84	47
180970057	2012	2	19	12	V	5.0	8.8	6.63	37
180970057	2012	2	19	13	V	0.3	2.4	6.24	29
180970057	2012	2	19	14	V	0.03	1.8	6.09	22
180970057	2012	2	19	15	V	0.07	1.7	6.53	28
180970057	2012	2	19	16	V	0.01	1	6.11	19
180970057	2012	2	19	17	V	0.01	1	5.31	10
180970057	2012	2	19	18	V	0.01	0.6	5.21	20
180970057	2012	2	19	19	V	0.01	0.4	4.78	23
180970057	2012	2	19	20	V	0.7	1.3	3.15	40
180970057	2012	2	19	21	V	5.3	1.2	3.03	45
180970057	2012	2	19	22	V	0.02	3.2	2.73	31
180970057	2012	2	19	23	V	0.02	-999	2.71	27
180970057	2012	2	19	24	V	0.08	1.4	1.79	351
180970057	2012	2	20	1	V	1.7	0.7	1.99	60
180970057	2012	2	20	2	V	0.1	0.7	1.81	80
180970057	2012	2	20	3	V	19.8	0.5	1.94	50
180970057	2012	2	20	4	V	1.0	0.7	2.59	37
180970057	2012	2	20	5	V	6.7	0.9	2.96	46
180970057	2012	2	20	6	V	0.2	0.6	1.69	355
180970057	2012	2	20	7	V	2.9	0.4	1.59	61
180970057	2012	2	20	8	V	0.9	0.6	2.22	81
180970057	2012	2	20	9	V	0.7	1.5	2.93	103
180970057	2012	2	20	10	V	0.2	2.3	4.31	107
180970057	2012	2	20	11	V	0.2	2.4	4.99	110
180970057	2012	2	20	12	V	0.1	2.3	5.56	115
180970057	2012	2	20	13	V	0.2	2.7	4.87	109
180970057	2012	2	20	14	V	0.2	1.9	4.09	134
180970057	2012	2	20	15	V	0.1	1.5	4.32	130
180970057	2012	2	20	16	V	0.05	0.7	5.51	124
180970057	2012	2	20	17	V	0.02	0.7	6.02	137
180970057	2012	2	20	18	V	0.02	2.5	5.87	128
180970057	2012	2	20	19	V	0.03	5.7	4.66	116
180970057	2012	2	20	20	V	0.04	1.8	3.66	127
180970057	2012	2	20	21	V	0.05	1.4	4.2	124
180970057	2012	2	20	22	V	0.03	1.5	4.87	118

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	20	23	V	0.02	0.8	6.72	126
180970057	2012	2	20	24	V	0.01	0.9	7.6	128
180970057	2012	2	21	1	V	0.01	0.7	7.67	140
180970057	2012	2	21	2	V	0.01	0.7	6.87	142
180970057	2012	2	21	3	V	0.01	1.2	7.01	143
180970057	2012	2	21	4	V	0.01	0.9	6.67	133
180970057	2012	2	21	5	V	0.01	0.6	6.26	137
180970057	2012	2	21	6	V	0.01	0.2	7.26	158
180970057	2012	2	21	7	V	0.7	0	6.58	179
180970057	2012	2	21	8	V	0.4	0	7.43	175
180970057	2012	2	21	9	V	13.3	0.5	7.65	198
180970057	2012	2	21	10	V	0.08	0	8.86	227
180970057	2012	2	21	11	V	0.2	0.1	9.13	234
180970057	2012	2	21	12	V	0.2	0	8.62	233
180970057	2012	2	21	13	V	0.3	0.3	9.19	236
180970057	2012	2	21	14	V	0.2	0.2	8.81	235
180970057	2012	2	21	15	V	0.06	0.2	8.28	227
180970057	2012	2	21	16	V	0.3	0	9.34	230
180970057	2012	2	21	17	V	0.2	0	8.64	232
180970057	2012	2	21	18	V	0.2	0	8.08	234
180970057	2012	2	21	19	V	0.4	0	7.38	241
180970057	2012	2	21	20	V	0.3	0	7.21	238
180970057	2012	2	21	21	V	0.2	0	6.65	230
180970057	2012	2	21	22	V	0.2	0	6.09	228
180970057	2012	2	21	23	V	0.3	0	5.46	228
180970057	2012	2	21	24	V	0.1	0	4.09	222
180970057	2012	2	22	1	V	0.04	0	4.54	221
180970057	2012	2	22	2	V	19.3	0	4.2	195
180970057	2012	2	22	3	V	18.3	0.6	3.63	196
180970057	2012	2	22	4	V	6.0	0.7	4.12	200
180970057	2012	2	22	5	V	0.04	0.8	4.86	214
180970057	2012	2	22	6	V	18.9	0.2	4.36	190
180970057	2012	2	22	7	V	27.4	0.7	3.83	195
180970057	2012	2	22	8	V	25.7	0.4	3.17	188
180970057	2012	2	22	9	V	17.3	1.1	2.69	206
180970057	2012	2	22	10	V	9.3	2	4.22	206
180970057	2012	2	22	11	V	1.2	3.9	5.82	212
180970057	2012	2	22	12	V	13.8	6.7	5.9	199
180970057	2012	2	22	13	V	19.0	3.3	6.67	196
180970057	2012	2	22	14	V	1.8	3.6	8.08	206
180970057	2012	2	22	15	V	0.04	0.9	9.05	221
180970057	2012	2	22	16	V	0.07	1.1	8.23	222
180970057	2012	2	22	17	V	0.03	0.9	8.35	217
180970057	2012	2	22	18	V	0.1	0.6	8.56	226
180970057	2012	2	22	19	V	0.2	0.7	8.83	234
180970057	2012	2	22	20	V	0.4	0.5	8.95	245

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	22	21	V	0.4	0.3	6.21	243
180970057	2012	2	22	22	V	0.6	0.2	5.12	251
180970057	2012	2	22	23	V	0.6	0	4.39	239
180970057	2012	2	22	24	V	0.7	0	3.37	240
180970057	2012	2	23	1	V	0.1	0	2.45	227
180970057	2012	2	23	2	V	0.3	0	1.72	227
180970057	2012	2	23	3	V	0.05	0	2.71	214
180970057	2012	2	23	4	V	0.2	0	2.25	240
180970057	2012	2	23	5	V	0.3	0	1.94	249
180970057	2012	2	23	6	V	0.4	0.1	1.43	284
180970057	2012	2	23	7	V	0.8	1	1.45	245
180970057	2012	2	23	8	V	1.4	0.9	1.55	145
180970057	2012	2	23	9	V	1.2	1	1.84	83
180970057	2012	2	23	10	V	0.6	0.8	2.55	126
180970057	2012	2	23	11	V	0.4	0.4	3.13	120
180970057	2012	2	23	12	V	0.1	0.7	4.99	101
180970057	2012	2	23	13	V	0.1	1.6	5.21	103
180970057	2012	2	23	14	V	0.1	0.6	5.05	89
180970057	2012	2	23	15	V	0.06	0.7	7.3	77
180970057	2012	2	23	16	V	0.02	0.3	8.44	82
180970057	2012	2	23	17	V	0.01	0.4	7.71	97
180970057	2012	2	23	18	V	0.02	0.5	6.96	87
180970057	2012	2	23	19	V	0.01	0.9	7.77	102
180970057	2012	2	23	20	V	0.02	1.8	5.09	74
180970057	2012	2	23	21	V	0.06	3.4	4.51	64
180970057	2012	2	23	22	V	0.04	0.9	3.75	75
180970057	2012	2	23	23	V	0.2	1.2	3.63	33
180970057	2012	2	23	24	V	0.05	0	3.8	28
180970057	2012	2	24	1	V	0.04	0	2.88	19
180970057	2012	2	24	2	V	0.1	0	2.74	34
180970057	2012	2	24	3	V	0.1	0	1.76	82
180970057	2012	2	24	4	V	0.1	0	3.37	228
180970057	2012	2	24	5	V	0.3	0	7.81	248
180970057	2012	2	24	6	V	0.2	0	7.43	246
180970057	2012	2	24	7	V	0.3	0	8.2	245
180970057	2012	2	24	8	V	0.1	0	12.33	250
180970057	2012	2	24	9	V	0.3	0	10.61	243
180970057	2012	2	24	10	V	0.2	0	12.13	247
180970057	2012	2	24	11	V	0.2	0	11.75	259
180970057	2012	2	24	12	V	0.09	0	11.41	274
180970057	2012	2	24	13	V	0.05	-999	12.31	280
180970057	2012	2	24	14	V	0.04	0	12.02	284
180970057	2012	2	24	15	V	0.08	0	11.28	277
180970057	2012	2	24	16	V	0.05	0	10.72	281
180970057	2012	2	24	17	V	0.4	0	10.53	271
180970057	2012	2	24	18	V	0.4	0	10.09	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	24	19	V	0.5	0	7.59	271
180970057	2012	2	24	20	V	0.4	0	10.78	268
180970057	2012	2	24	21	V	0.3	0	10.49	275
180970057	2012	2	24	22	V	0.2	0	10.44	280
180970057	2012	2	24	23	V	0.4	0	8.61	276
180970057	2012	2	24	24	V	0.5	0	8.56	272
180970057	2012	2	25	1	V	0.4	0	10.02	272
180970057	2012	2	25	2	V	0.4	0	9.7	272
180970057	2012	2	25	3	V	0.4	0	10.19	274
180970057	2012	2	25	4	V	0.1	0	10.85	282
180970057	2012	2	25	5	V	0.5	0	8.25	272
180970057	2012	2	25	6	V	0.7	0	6.04	266
180970057	2012	2	25	7	V	0.2	0	4.71	257
180970057	2012	2	25	8	V	0.2	0	4.37	265
180970057	2012	2	25	9	V	0.2	0	4.95	274
180970057	2012	2	25	10	V	0.1	0	6.8	278
180970057	2012	2	25	11	V	0.03	0	8.45	293
180970057	2012	2	25	12	V	0.03	0	9.73	301
180970057	2012	2	25	13	V	0.03	0	8.4	296
180970057	2012	2	25	14	V	0.04	0	7.57	293
180970057	2012	2	25	15	V	0.03	0	7.06	296
180970057	2012	2	25	16	V	0.01	0	6.18	296
180970057	2012	2	25	17	V	0.01	0	4.82	295
180970057	2012	2	25	18	V	0.01	0	4.27	297
180970057	2012	2	25	19	V	0.6	0	3.93	267
180970057	2012	2	25	20	V	0.02	0	2.25	288
180970057	2012	2	25	21	V	0.2	0	1.33	309
180970057	2012	2	25	22	V	0.5	0	1.11	223
180970057	2012	2	25	23	V	2.5	0	1.11	200
180970057	2012	2	25	24	V	0.07	0	1.77	127
180970057	2012	2	26	1	V	0.02	0	2.4	165
180970057	2012	2	26	2	V	0.01	0	2.59	108
180970057	2012	2	26	3	V	0.01	0	3.12	100
180970057	2012	2	26	4	V	0.01	0	3.57	117
180970057	2012	2	26	5	V	0.01	0	3.07	128
180970057	2012	2	26	6	V	0.01	0	3.39	143
180970057	2012	2	26	7	V	0.05	0	3.95	134
180970057	2012	2	26	8	V	0.1	0	3.9	124
180970057	2012	2	26	9	V	0.06	0.2	5.02	131
180970057	2012	2	26	10	V	0.05	0.7	6.11	140
180970057	2012	2	26	11	V	0.03	1	7.4	156
180970057	2012	2	26	12	V	0.04	1.2	6.62	166
180970057	2012	2	26	13	V	0.04	1.6	6.46	165
180970057	2012	2	26	14	V	0.04	1.5	6.28	171
180970057	2012	2	26	15	V	0.03	0.6	7.3	162
180970057	2012	2	26	16	V	0.01	0.2	7.54	163

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	26	17	V	0.01	0.2	7.55	171
180970057	2012	2	26	18	V	0.01	0.5	7.15	167
180970057	2012	2	26	19	V	0.01	0.3	5.8	166
180970057	2012	2	26	20	V	0.02	0.6	2.28	168
180970057	2012	2	26	21	V	0.06	0.3	1.72	157
180970057	2012	2	26	22	V	0.01	0.3	4.68	151
180970057	2012	2	26	23	V	0.01	-999	6.14	166
180970057	2012	2	26	24	V	0.3	1.9	4.09	180
180970057	2012	2	27	1	V	3.7	3	3.25	199
180970057	2012	2	27	2	V	0.6	0.3	3.85	204
180970057	2012	2	27	3	V	1.1	0.6	4.34	203
180970057	2012	2	27	4	V	0.5	0.6	4.34	206
180970057	2012	2	27	5	V	0.05	0.8	4.51	217
180970057	2012	2	27	6	V	0.8	1.4	3.63	274
180970057	2012	2	27	7	V	0.5	1.5	2.9	262
180970057	2012	2	27	8	V	0.9	1.1	3.17	302
180970057	2012	2	27	9	V	0.5	1.2	3.51	293
180970057	2012	2	27	10	V	0.1	0.4	6.36	294
180970057	2012	2	27	11	V	0.1	0	6.92	286
180970057	2012	2	27	12	V	0.1	0	7.84	282
180970057	2012	2	27	13	V	0.1	0	7.64	284
180970057	2012	2	27	14	V	0.1	0.1	10.04	275
180970057	2012	2	27	15	V	0.09	0	8.23	285
180970057	2012	2	27	16	V	0.06	0	7.93	283
180970057	2012	2	27	17	V	0.02	0	6.8	293
180970057	2012	2	27	18	V	0.02	0	6.31	305
180970057	2012	2	27	19	V	0.03	0	5.34	318
180970057	2012	2	27	20	V	0.03	0	4.93	335
180970057	2012	2	27	21	V	0.05	0	3.58	338
180970057	2012	2	27	22	V	0.09	0	2.62	360
180970057	2012	2	27	23	V	0.09	0	2.69	25
180970057	2012	2	27	24	V	0.3	0	2.64	35
180970057	2012	2	28	1	V	6.5	0.8	2.95	48
180970057	2012	2	28	2	V	5.3	0.6	2.4	54
180970057	2012	2	28	3	V	1.7	0	2.59	56
180970057	2012	2	28	4	V	0.08	0	2.62	73
180970057	2012	2	28	5	V	0.05	0	3.3	80
180970057	2012	2	28	6	V	0.06	0	4.02	96
180970057	2012	2	28	7	V	0.1	0	4.56	97
180970057	2012	2	28	8	V	0.3	0.4	3.9	108
180970057	2012	2	28	9	V	0.3	1	4.48	112
180970057	2012	2	28	10	V	0.2	2.5	4.71	104
180970057	2012	2	28	11	V	0.1	2.9	5.42	123
180970057	2012	2	28	12	V	0.3	2.8	4.36	139
180970057	2012	2	28	13	V	0.6	4.4	3.36	110
180970057	2012	2	28	14	V	0.3	4.4	3.36	135

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	2	28	15	V	0.1	5	4.86	132
180970057	2012	2	28	16	V	0.1	3.4	3.86	139
180970057	2012	2	28	17	V	0.06	2.6	3.86	122
180970057	2012	2	28	18	V	0.06	2.3	3.34	117
180970057	2012	2	28	19	V	0.06	3.8	3.34	97
180970057	2012	2	28	20	V	0.06	3.8	4.51	103
180970057	2012	2	28	21	V	0.06	8.7	4.68	102
180970057	2012	2	28	22	V	0.04	13.6	5.45	108
180970057	2012	2	28	23	V	0.02	14.3	6.84	121
180970057	2012	2	28	24	V	0.02	11.9	8.4	131
180970057	2012	2	29	1	V	0.01	5.1	6.75	137
180970057	2012	2	29	2	V	0.01	1.2	6.35	140
180970057	2012	2	29	3	V	0.02	0	3.95	128
180970057	2012	2	29	4	V	0.02	0	3.76	128
180970057	2012	2	29	5	V	0.02	0	3.13	169
180970057	2012	2	29	6	V	0.01	0	4.34	169
180970057	2012	2	29	7	V	0.02	0	8.85	218
180970057	2012	2	29	8	V	0.03	0	8.95	214
180970057	2012	2	29	9	V	0.03	0.3	8.91	221
180970057	2012	2	29	10	V	0.2	0.8	10.26	236
180970057	2012	2	29	11	V	0.3	0.9	9.59	239
180970057	2012	2	29	12	V	0.2	1.2	8.76	236
180970057	2012	2	29	13	V	0.2	0.6	8.5	235
180970057	2012	2	29	14	V	0.3	0	9.07	243
180970057	2012	2	29	15	V	0.3	0	9.25	240
180970057	2012	2	29	16	V	0.3	0	10.24	240
180970057	2012	2	29	17	V	0.4	0.4	12.23	243
180970057	2012	2	29	18	V	0.4	0.3	11.45	242
180970057	2012	2	29	19	V	0.3	0	11.36	237
180970057	2012	2	29	20	V	0.4	0	10.31	240
180970057	2012	2	29	21	V	0.1	0	10.65	283
180970057	2012	2	29	22	V	0.3	0	9.2	278
180970057	2012	2	29	23	V	0.4	0	8.88	274
180970057	2012	2	29	24	V	0.3	0	12.24	271
180970057	2012	3	1	1	V	0.4	0	10.65	264
180970057	2012	3	1	2	V	0.5	0	8.24	264
180970057	2012	3	1	3	V	0.6	0	6.94	261
180970057	2012	3	1	4	V	0.3	0	8.4	277
180970057	2012	3	1	5	V	0.6	0	7.65	265
180970057	2012	3	1	6	V	0.6	0	6.5	268
180970057	2012	3	1	7	V	0.6	0	5.68	269
180970057	2012	3	1	8	V	0.1	0	5.65	268
180970057	2012	3	1	9	V	0.1	0	5.67	269
180970057	2012	3	1	10	V	0.2	0	5.26	261
180970057	2012	3	1	11	V	0.1	0	5.5	266
180970057	2012	3	1	12	V	0.2	0	4.7	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	1	13	V	0.2	0	4.36	260
180970057	2012	3	1	14	V	0.2	0	3.25	271
180970057	2012	3	1	15	V	0.3	0	4.15	247
180970057	2012	3	1	16	V	0.2	0.2	3.66	252
180970057	2012	3	1	17	V	0.7	2.1	3.9	243
180970057	2012	3	1	18	V	0.7	0.5	3.69	246
180970057	2012	3	1	19	V	0.8	0	1.11	211
180970057	2012	3	1	20	V	0.03	0.3	2.22	101
180970057	2012	3	1	21	V	0.01	3.4	2.61	104
180970057	2012	3	1	22	V	0.01	0.8	2.9	98
180970057	2012	3	1	23	V	0.01	0	3.56	65
180970057	2012	3	1	24	V	0.01	0	3.2	63
180970057	2012	3	2	1	V	0.01	0	3.29	69
180970057	2012	3	2	2	V	0.01	0	4.41	89
180970057	2012	3	2	3	V	0.01	1.8	4.39	99
180970057	2012	3	2	4	V	0.01	2.7	5.14	112
180970057	2012	3	2	5	V	0.01	1.6	5.75	119
180970057	2012	3	2	6	V	0.01	1.7	6.21	121
180970057	2012	3	2	7	V	0.01	2.3	5.36	122
180970057	2012	3	2	8	V	0.04	1.8	5.38	131
180970057	2012	3	2	9	V	0.05	1.3	4.48	122
180970057	2012	3	2	10	V	0.05	1.7	4.63	130
180970057	2012	3	2	11	V	0.09	1.2	3.54	109
180970057	2012	3	2	12	V	0.1	0	3.42	127
180970057	2012	3	2	13	V	0.04	0	5.51	136
180970057	2012	3	2	14	V	0.04	0	5.82	148
180970057	2012	3	2	15	V	0.4	0	5.09	180
180970057	2012	3	2	16	V	0.1	0	6.14	231
180970057	2012	3	2	17	V	0.3	0.4	9.8	237
180970057	2012	3	2	18	V	0.3	0	14.01	249
180970057	2012	3	2	19	V	0.2	0	14.61	258
180970057	2012	3	2	20	V	0.3	0	13.23	263
180970057	2012	3	2	21	V	0.2	0	13.38	273
180970057	2012	3	2	22	V	0.2	0	11.02	277
180970057	2012	3	2	23	V	0.2	0	8.85	279
180970057	2012	3	2	24	V	0.06	0	8.83	286
180970057	2012	3	3	1	V	0.1	0	8.81	282
180970057	2012	3	3	2	V	0.6	0	6.84	265
180970057	2012	3	3	3	V	0.2	0	6.16	245
180970057	2012	3	3	4	V	0.2	0	6.4	242
180970057	2012	3	3	5	V	0.2	0	6.41	241
180970057	2012	3	3	6	V	0.3	0	8.08	247
180970057	2012	3	3	7	V	0.1	0	8.39	255
180970057	2012	3	3	8	V	0.1	0	8.18	256
180970057	2012	3	3	9	V	0.1	0	7.48	263
180970057	2012	3	3	10	V	0.2	0	7.77	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	3	11	V	0.3	0	7.91	246
180970057	2012	3	3	12	V	0.2	0	9.44	250
180970057	2012	3	3	13	V	0.2	0	9.3	247
180970057	2012	3	3	14	V	0.1	0	10.56	253
180970057	2012	3	3	15	V	0.1	0	9.15	263
180970057	2012	3	3	16	V	0.5	0	8.28	261
180970057	2012	3	3	17	V	0.5	0	8.3	269
180970057	2012	3	3	18	V	0.4	0	7.86	273
180970057	2012	3	3	19	V	0.6	0	6.7	256
180970057	2012	3	3	20	V	0.6	0	6.82	255
180970057	2012	3	3	21	V	0.6	0	7.4	266
180970057	2012	3	3	22	V	0.3	0	5.7	279
180970057	2012	3	3	23	V	0.6	-999	4.78	271
180970057	2012	3	3	24	V	0.7	0	4.03	262
180970057	2012	3	4	1	V	0.2	0	3.34	239
180970057	2012	3	4	2	V	0.4	0	3.91	253
180970057	2012	3	4	3	V	0.6	0	3.78	271
180970057	2012	3	4	4	V	0.6	0	3.83	266
180970057	2012	3	4	5	V	0.7	0	3.56	259
180970057	2012	3	4	6	V	0.5	0	3.57	255
180970057	2012	3	4	7	V	0.4	0	4.42	251
180970057	2012	3	4	8	V	0.2	0	4.46	257
180970057	2012	3	4	9	V	0.2	0	5.09	267
180970057	2012	3	4	10	V	0.1	0	6.23	278
180970057	2012	3	4	11	V	0.08	0	6.36	283
180970057	2012	3	4	12	V	0.08	0	6.33	281
180970057	2012	3	4	13	V	0.2	0	6.35	273
180970057	2012	3	4	14	V	0.2	0	6.16	261
180970057	2012	3	4	15	V	0.2	0	5.72	264
180970057	2012	3	4	16	V	0.1	0	5.38	269
180970057	2012	3	4	17	V	0.6	0	6.53	256
180970057	2012	3	4	18	V	0.6	0	6.14	270
180970057	2012	3	4	19	V	0.7	0	4.9	258
180970057	2012	3	4	20	V	0.7	0	3.01	271
180970057	2012	3	4	21	V	0.8	0	3.12	262
180970057	2012	3	4	22	V	0.7	0	2.45	265
180970057	2012	3	4	23	V	0.7	0	3.52	259
180970057	2012	3	4	24	V	0.06	0	4.17	302
180970057	2012	3	5	1	V	0.05	0	4.53	324
180970057	2012	3	5	2	V	0.02	0	6.04	324
180970057	2012	3	5	3	V	0.01	0	6.02	316
180970057	2012	3	5	4	V	0.03	0	6.01	310
180970057	2012	3	5	5	V	0.03	0	5.87	301
180970057	2012	3	5	6	V	0.03	0	5.96	306
180970057	2012	3	5	7	V	0.1	0	5.38	309
180970057	2012	3	5	8	V	0.1	0	6.06	305

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	5	9	V	0.1	0	5.65	308
180970057	2012	3	5	10	V	0.1	0	5.82	314
180970057	2012	3	5	11	V	0.2	0	4.66	320
180970057	2012	3	5	12	V	0.2	0.2	5.33	314
180970057	2012	3	5	13	V	0.2	0.2	5.38	299
180970057	2012	3	5	14	V	0.1	0.1	4.51	296
180970057	2012	3	5	15	V	0.1	0	4.54	291
180970057	2012	3	5	16	V	0.2	0	4.61	274
180970057	2012	3	5	17	V	0.7	0	4.17	266
180970057	2012	3	5	18	V	0.1	0	3.81	222
180970057	2012	3	5	19	V	0.05	0	3.2	215
180970057	2012	3	5	20	V	0.6	0	2.69	207
180970057	2012	3	5	21	V	2.5	0	3.78	204
180970057	2012	3	5	22	V	11.0	0	4.54	200
180970057	2012	3	5	23	V	8.3	0	4.61	200
180970057	2012	3	5	24	V	0.02	2	4.65	164
180970057	2012	3	6	1	V	0.02	0.1	4.97	148
180970057	2012	3	6	2	V	0.02	0	5.7	150
180970057	2012	3	6	3	V	0.02	0.2	5.41	143
180970057	2012	3	6	4	V	0.02	0	5.14	146
180970057	2012	3	6	5	V	0.01	0	5.89	145
180970057	2012	3	6	6	V	0.01	0	5.48	151
180970057	2012	3	6	7	V	0.08	0	5.17	147
180970057	2012	3	6	8	V	0.1	0.2	4.43	151
180970057	2012	3	6	9	V	0.1	0.8	4.85	158
180970057	2012	3	6	10	V	0.2	1.2	6.5	168
180970057	2012	3	6	11	V	3.4	2.5	6.82	179
180970057	2012	3	6	12	V	10.4	22.4	7.88	185
180970057	2012	3	6	13	V	19.5	35.4	8.83	193
180970057	2012	3	6	14	V	20.1	35.2	8.42	193
180970057	2012	3	6	15	V	3.5	37.1	10.38	203
180970057	2012	3	6	16	V	1.3	5.2	10.8	205
180970057	2012	3	6	17	V	5.5	5.4	10.9	202
180970057	2012	3	6	18	V	12.7	29.5	10.22	192
180970057	2012	3	6	19	V	6.4	38.8	9.19	189
180970057	2012	3	6	20	V	1.6	7.8	6.91	184
180970057	2012	3	6	21	V	0.01	1.1	6.7	172
180970057	2012	3	6	22	V	0.02	0.3	7.89	173
180970057	2012	3	6	23	V	1.0	0	8.91	182
180970057	2012	3	6	24	V	2.8	35.8	8.54	187
180970057	2012	3	7	1	V	3.0	30.5	7.69	187
180970057	2012	3	7	2	V	5.1	24.7	8.52	193
180970057	2012	3	7	3	V	4.7	14.2	9.36	198
180970057	2012	3	7	4	V	3.7	4.8	8.16	197
180970057	2012	3	7	5	V	3.9	7.1	7.82	196
180970057	2012	3	7	6	V	5.6	9.9	6.86	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	7	7	V	7.1	1	7.71	200
180970057	2012	3	7	8	V	14.0	0.8	9.69	195
180970057	2012	3	7	9	V	13.6	0.9	9.95	194
180970057	2012	3	7	10	V	10.5	13.8	11.85	197
180970057	2012	3	7	11	V	9.3	3.8	11.87	198
180970057	2012	3	7	12	V	1.5	2.3	11.67	205
180970057	2012	3	7	13	V	0.1	1.6	13.32	210
180970057	2012	3	7	14	V	0.1	1	12.91	210
180970057	2012	3	7	15	V	1.1	0.7	13.06	205
180970057	2012	3	7	16	V	0.2	1.3	12.07	209
180970057	2012	3	7	17	V	2.4	2.1	12.5	205
180970057	2012	3	7	18	V	10.9	2.4	10.6	192
180970057	2012	3	7	19	V	6.6	14.9	9.18	194
180970057	2012	3	7	20	V	7.3	24.4	8.98	192
180970057	2012	3	7	21	V	4.1	29.3	9.2	186
180970057	2012	3	7	22	V	2.4	4.1	9.36	184
180970057	2012	3	7	23	V	2.9	2.4	9.73	184
180970057	2012	3	7	24	V	4.8	19.2	8.83	189
180970057	2012	3	8	1	V	2.5	17.8	7.93	192
180970057	2012	3	8	2	V	0.4	4	8.79	196
180970057	2012	3	8	3	V	0.3	2.7	10.46	200
180970057	2012	3	8	4	V	0.1	1.6	13.06	209
180970057	2012	3	8	5	V	0.08	0.9	12.26	210
180970057	2012	3	8	6	V	0.07	0.3	10.97	211
180970057	2012	3	8	7	V	0.06	0	9.07	208
180970057	2012	3	8	8	V	0.03	0	8.37	213
180970057	2012	3	8	9	V	0.2	0	5.56	235
180970057	2012	3	8	10	V	0.02	0	7.06	292
180970057	2012	3	8	11	V	0.03	0	4.53	303
180970057	2012	3	8	12	V	0.02	0	6.01	294
180970057	2012	3	8	13	V	0.02	0	7.54	290
180970057	2012	3	8	14	V	0.02	0	7.33	298
180970057	2012	3	8	15	V	0.02	0	8.15	299
180970057	2012	3	8	16	V	0.01	0	7.64	300
180970057	2012	3	8	17	V	0.01	0	7.96	294
180970057	2012	3	8	18	V	0.03	0	8.2	288
180970057	2012	3	8	19	V	0.02	0	6.3	289
180970057	2012	3	8	20	V	0.01	0	6.45	303
180970057	2012	3	8	21	V	0.03	0	3.68	288
180970057	2012	3	8	22	V	0.6	0	3.92	270
180970057	2012	3	8	23	V	0.6	0	4.12	270
180970057	2012	3	8	24	V	0.7	0	3.52	258
180970057	2012	3	9	1	V	0.5	0	4	255
180970057	2012	3	9	2	V	0.5	0	5.6	276
180970057	2012	3	9	3	V	0.5	0	6.19	275
180970057	2012	3	9	4	V	0.7	0	5.39	261

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	9	5	V	0.3	0	4.92	250
180970057	2012	3	9	6	V	0.3	0	6.31	250
180970057	2012	3	9	7	V	0.1	0	7.31	271
180970057	2012	3	9	8	V	0.03	0	7.13	286
180970057	2012	3	9	9	V	0.02	0	8.33	304
180970057	2012	3	9	10	V	0.02	0	9.24	313
180970057	2012	3	9	11	V	0.03	0	8.79	321
180970057	2012	3	9	12	V	0.03	0	8.79	322
180970057	2012	3	9	13	V	0.03	0	8.1	319
180970057	2012	3	9	14	V	0.03	0	7.54	313
180970057	2012	3	9	15	V	0.02	0	7.76	321
180970057	2012	3	9	16	V	0.02	0	8.28	325
180970057	2012	3	9	17	V	0.005	0	6.91	325
180970057	2012	3	9	18	V	0.01	0	5.78	338
180970057	2012	3	9	19	V	0.01	0	4.7	341
180970057	2012	3	9	20	V	0.01	0	3.73	356
180970057	2012	3	9	21	V	0.01	0.2	4.46	24
180970057	2012	3	9	22	V	0.02	0	4.14	32
180970057	2012	3	9	23	V	2.5	3.8	4.1	43
180970057	2012	3	9	24	V	1.9	2.3	4.53	43
180970057	2012	3	10	1	V	3.4	2.3	3.24	47
180970057	2012	3	10	2	V	0.02	0.2	2.39	66
180970057	2012	3	10	3	V	0.02	0	2.35	97
180970057	2012	3	10	4	V	0.01	0	2.47	93
180970057	2012	3	10	5	V	0.01	0	2.83	79
180970057	2012	3	10	6	V	0.01	0	3.03	92
180970057	2012	3	10	7	V	0.07	0	3.49	102
180970057	2012	3	10	8	V	0.06	0	4.39	122
180970057	2012	3	10	9	V	0.05	0	5.43	133
180970057	2012	3	10	10	V	0.06	0.2	5.09	141
180970057	2012	3	10	11	V	0.05	0.9	4.99	167
180970057	2012	3	10	12	V	0.07	2.8	4.2	162
180970057	2012	3	10	13	V	0.7	5.3	3.73	177
180970057	2012	3	10	14	V	1.2	6.7	5.11	193
180970057	2012	3	10	15	V	1.5	9.3	4.1	190
180970057	2012	3	10	16	V	0.7	6.1	4.12	196
180970057	2012	3	10	17	V	1.3	4.3	3.95	188
180970057	2012	3	10	18	V	0.8	3	4.34	186
180970057	2012	3	10	19	V	0.02	0.7	3.56	177
180970057	2012	3	10	20	V	0.01	0.2	3.46	137
180970057	2012	3	10	21	V	0.01	0.1	4.31	142
180970057	2012	3	10	22	V	0.01	0	4.24	155
180970057	2012	3	10	23	V	0.01	-999	3.44	164
180970057	2012	3	10	24	V	0.02	0	2.38	168
180970057	2012	3	11	1	V	0.04	0	1.91	131
180970057	2012	3	11	2	V	0.01	0	2.67	136

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	11	3	V	0.01	0	2.96	147
180970057	2012	3	11	4	V	0.01	0	2.49	170
180970057	2012	3	11	5	V	0.03	0	2.03	164
180970057	2012	3	11	6	V	0.03	0	2.06	118
180970057	2012	3	11	7	V	0.2	0	1.99	124
180970057	2012	3	11	8	V	0.3	0	1.72	144
180970057	2012	3	11	9	V	0.3	0.2	1.89	139
180970057	2012	3	11	10	V	1.2	1.6	3.23	180
180970057	2012	3	11	11	V	1.0	3.4	5.21	188
180970057	2012	3	11	12	V	0.2	2	5.46	205
180970057	2012	3	11	13	V	1.5	1.3	4.56	192
180970057	2012	3	11	14	V	0.9	1.8	5.63	188
180970057	2012	3	11	15	V	0.1	1.2	4.76	179
180970057	2012	3	11	16	V	0.04	1.3	4.27	174
180970057	2012	3	11	17	V	0.01	1.3	4.88	168
180970057	2012	3	11	18	V	0.01	0.5	4.09	147
180970057	2012	3	11	19	V	0.01	0.5	4.37	143
180970057	2012	3	11	20	V	0.02	0.4	3.47	134
180970057	2012	3	11	21	V	0.01	0.2	4.71	144
180970057	2012	3	11	22	V	0.01	0	4.6	147
180970057	2012	3	11	23	V	0.01	0	4.34	144
180970057	2012	3	11	24	V	0.01	0	5.04	151
180970057	2012	3	12	1	V	0.01	0	5.12	160
180970057	2012	3	12	2	V	0.02	0	3.93	159
180970057	2012	3	12	3	V	0.01	0	4.82	156
180970057	2012	3	12	4	V	0.01	0	5.04	150
180970057	2012	3	12	5	V	0.01	0	4.27	145
180970057	2012	3	12	6	V	0.01	0	4.53	143
180970057	2012	3	12	7	V	0.04	0	4.41	147
180970057	2012	3	12	8	V	0.04	0	5.16	155
180970057	2012	3	12	9	V	0.4	0	7.52	181
180970057	2012	3	12	10	V	0.1	0	7.43	176
180970057	2012	3	12	11	V	0.3	0	8.01	180
180970057	2012	3	12	12	V	0.6	0	8.79	183
180970057	2012	3	12	13	V	0.8	0.3	9.29	185
180970057	2012	3	12	14	V	0.7	1.7	9.08	184
180970057	2012	3	12	15	V	1.2	1.7	9.56	189
180970057	2012	3	12	16	V	0.6	2.1	11.74	196
180970057	2012	3	12	17	V	0.3	1.6	11.38	190
180970057	2012	3	12	18	V	0.3	1	10.36	192
180970057	2012	3	12	19	V	0.4	0.7	8.35	193
180970057	2012	3	12	20	V	0.5	0.2	6.45	192
180970057	2012	3	12	21	V	0.5	0	6.07	190
180970057	2012	3	12	22	V	0.5	0	6.07	189
180970057	2012	3	12	23	V	0.4	0	6.82	202
180970057	2012	3	12	24	V	0.06	0	6.46	213

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	13	1	V	0.05	0	6.72	228
180970057	2012	3	13	2	V	0.1	0	5.73	234
180970057	2012	3	13	3	V	0.1	0	4.71	234
180970057	2012	3	13	4	V	0.1	0	3.81	237
180970057	2012	3	13	5	V	0.6	0	3.37	256
180970057	2012	3	13	6	V	1.0	0	2.32	276
180970057	2012	3	13	7	V	0.2	0	2.69	246
180970057	2012	3	13	8	V	0.5	0	1.81	252
180970057	2012	3	13	9	V	1.8	0.1	1.52	240
180970057	2012	3	13	10	V	0.7	0.6	2.25	245
180970057	2012	3	13	11	V	0.6	0.7	2.49	246
180970057	2012	3	13	12	V	0.5	0.4	2.66	243
180970057	2012	3	13	13	V	0.4	0.1	3.27	246
180970057	2012	3	13	14	V	0.3	0	3.3	255
180970057	2012	3	13	15	V	0.2	0	3.86	268
180970057	2012	3	13	16	V	0.2	0	3.27	269
180970057	2012	3	13	17	V	0.6	0	2.96	266
180970057	2012	3	13	18	V	0.5	0	2.66	266
180970057	2012	3	13	19	V	0.03	0	2.11	327
180970057	2012	3	13	20	V	1.6	0.1	0.86	18
180970057	2012	3	13	21	V	8.9	0.1	1.01	63
180970057	2012	3	13	22	V	0.07	0	2.15	175
180970057	2012	3	13	23	V	0.03	0	2.18	162
180970057	2012	3	13	24	V	0.01	0	3.81	166
180970057	2012	3	14	1	V	0.06	0	2.33	177
180970057	2012	3	14	2	V	0.01	0	3.92	173
180970057	2012	3	14	3	V	1.8	0	2.66	197
180970057	2012	3	14	4	V	0.3	0	3.13	207
180970057	2012	3	14	5	V	0.04	0	2.4	211
180970057	2012	3	14	6	V	2.1	0.2	2.5	192
180970057	2012	3	14	7	V	1.3	0.8	3.12	184
180970057	2012	3	14	8	V	0.2	0.8	2.86	161
180970057	2012	3	14	9	V	1.0	0.1	2.98	175
180970057	2012	3	14	10	V	0.5	1.2	4.59	203
180970057	2012	3	14	11	V	1.6	1.5	4.65	187
180970057	2012	3	14	12	V	1.6	2	4.24	188
180970057	2012	3	14	13	V	0.2	1.6	5.89	206
180970057	2012	3	14	14	V	1.0	1.6	6.13	195
180970057	2012	3	14	15	V	0.2	1.2	6.55	204
180970057	2012	3	14	16	V	0.04	0.3	6.64	211
180970057	2012	3	14	17	V	0.04	0.1	6.69	215
180970057	2012	3	14	18	V	0.09	0	6.53	212
180970057	2012	3	14	19	V	0.1	0.1	5.14	211
180970057	2012	3	14	20	V	2.1	0.2	3.85	191
180970057	2012	3	14	21	V	0.05	0.5	3.9	177
180970057	2012	3	14	22	V	0.02	0	4.22	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	14	23	V	0.01	0	4.9	170
180970057	2012	3	14	24	V	0.04	0.1	4.2	177
180970057	2012	3	15	1	V	0.01	0	3.71	169
180970057	2012	3	15	2	V	0.6	0	5.16	200
180970057	2012	3	15	3	V	0.3	0.3	4.77	207
180970057	2012	3	15	4	V	0.02	0	4.1	219
180970057	2012	3	15	5	V	0.02	0.2	4.24	218
180970057	2012	3	15	6	V	0.06	0.1	4	226
180970057	2012	3	15	7	V	0.08	0	4.78	234
180970057	2012	3	15	8	V	0.07	0	4.76	229
180970057	2012	3	15	9	V	0.1	0.3	4.49	226
180970057	2012	3	15	10	V	0.1	-999	6.58	229
180970057	2012	3	15	11	V	0.07	1.1	6.75	227
180970057	2012	3	15	12	V	0.07	0.6	7.16	226
180970057	2012	3	15	13	V	0.05	0.5	7.04	224
180970057	2012	3	15	14	V	0.05	0.1	7.08	224
180970057	2012	3	15	15	V	0.03	0	7.35	222
180970057	2012	3	15	16	V	0.03	0	7.69	224
180970057	2012	3	15	17	V	0.3	0	9.05	240
180970057	2012	3	15	18	V	0.06	0	5.04	215
180970057	2012	3	15	19	V	0.2	0	4.53	210
180970057	2012	3	15	20	V	2.3	0	3.46	190
180970057	2012	3	15	21	V	0.1	0	3.54	177
180970057	2012	3	15	22	V	0.01	0	4.46	155
180970057	2012	3	15	23	V	0.02	0	3.29	156
180970057	2012	3	15	24	V	0.01	0	4.39	154
180970057	2012	3	16	1	V	0.02	0	3.86	163
180970057	2012	3	16	2	V	0.02	0	3.52	170
180970057	2012	3	16	3	V	1.1	0	3.12	199
180970057	2012	3	16	4	V	0.3	0	4.15	209
180970057	2012	3	16	5	V	0.02	0	2.37	174
180970057	2012	3	16	6	V	0.2	0	2.45	237
180970057	2012	3	16	7	V	2.4	0	1.47	187
180970057	2012	3	16	8	V	1.0	0	1.04	108
180970057	2012	3	16	9	V	1.2	0	2.18	172
180970057	2012	3	16	10	V	0.9	0	2.69	169
180970057	2012	3	16	11	V	1.6	0.5	3.61	197
180970057	2012	3	16	12	V	0.7	1.3	3.97	203
180970057	2012	3	16	13	V	1.8	3.9	4.09	193
180970057	2012	3	16	14	V	1.4	2.9	4.15	196
180970057	2012	3	16	15	V	1.0	0.7	4.02	198
180970057	2012	3	16	16	V	0.8	0.2	4.56	183
180970057	2012	3	16	17	V	1.5	1.1	4.58	193
180970057	2012	3	16	18	V	0.01	0	5.09	170
180970057	2012	3	16	19	V	0.01	0	5.12	153
180970057	2012	3	16	20	V	0.01	0	4.37	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	16	21	V	0.01	0	4.14	144
180970057	2012	3	16	22	V	0.01	0	3.68	153
180970057	2012	3	16	23	V	0.01	0	3.06	135
180970057	2012	3	16	24	V	0.01	0	3.59	142
180970057	2012	3	17	1	V	0.01	0	3.29	150
180970057	2012	3	17	2	V	0.03	0	2.13	146
180970057	2012	3	17	3	V	0.06	0	1.77	115
180970057	2012	3	17	4	V	0.05	0	1.91	111
180970057	2012	3	17	5	V	0.01	0	2.61	114
180970057	2012	3	17	6	V	0.09	0	1.47	116
180970057	2012	3	17	7	V	0.3	0	1.82	121
180970057	2012	3	17	8	V	0.4	0	2.06	132
180970057	2012	3	17	9	V	0.2	0.2	3.18	114
180970057	2012	3	17	10	V	0.3	0.5	2.98	153
180970057	2012	3	17	11	V	0.1	0.5	3.64	140
180970057	2012	3	17	12	V	0.04	0.4	4.37	147
180970057	2012	3	17	13	V	0.09	0.4	3.92	163
180970057	2012	3	17	14	V	0.9	0.6	3.49	180
180970057	2012	3	17	15	V	0.08	1.1	3.71	170
180970057	2012	3	17	16	V	1.4	0.6	3.61	191
180970057	2012	3	17	17	V	1.0	0.4	3.42	201
180970057	2012	3	17	18	V	0.4	0.1	3.08	181
180970057	2012	3	17	19	V	0.01	0.1	2.9	169
180970057	2012	3	17	20	V	0.01	0	2.95	164
180970057	2012	3	17	21	V	0.01	0	3.61	140
180970057	2012	3	17	22	V	0.01	0	6.34	153
180970057	2012	3	17	23	V	0.02	0	3.88	147
180970057	2012	3	17	24	V	0.07	0	5.85	213
180970057	2012	3	18	1	V	0.03	0	4.03	221
180970057	2012	3	18	2	V	0.01	0	2.5	169
180970057	2012	3	18	3	V	1.7	0	2.37	187
180970057	2012	3	18	4	V	1.7	0	2.79	195
180970057	2012	3	18	5	V	0.02	0	2.86	154
180970057	2012	3	18	6	V	0.1	0	1.55	174
180970057	2012	3	18	7	V	0.9	0	1.87	177
180970057	2012	3	18	8	V	0.3	0	1.99	155
180970057	2012	3	18	9	V	1.2	0	2.98	180
180970057	2012	3	18	10	V	0.3	0	4.61	206
180970057	2012	3	18	11	V	0.2	0	5.02	232
180970057	2012	3	18	12	V	0.1	0	6.3	230
180970057	2012	3	18	13	V	0.4	0.1	5.73	240
180970057	2012	3	18	14	V	0.4	0	4.97	237
180970057	2012	3	18	15	V	0.3	0	5.39	237
180970057	2012	3	18	16	V	0.2	0	4.65	232
180970057	2012	3	18	17	V	0.2	0	4.82	226
180970057	2012	3	18	18	V	0.2	0	5.97	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	18	19	V	0.4	0	3.93	233
180970057	2012	3	18	20	V	0.2	0	4.58	226
180970057	2012	3	18	21	V	0.02	0	3.17	217
180970057	2012	3	18	22	V	0.7	0	3.51	204
180970057	2012	3	18	23	V	4.6	0	2.86	191
180970057	2012	3	18	24	V	0.06	0	2.32	177
180970057	2012	3	19	1	V	0.01	0	2.81	158
180970057	2012	3	19	2	V	0.02	0	3.81	155
180970057	2012	3	19	3	V	0.02	0	3.13	148
180970057	2012	3	19	4	V	0.03	0	3.35	162
180970057	2012	3	19	5	V	5.6	0	2.66	184
180970057	2012	3	19	6	V	0.2	0	2.38	172
180970057	2012	3	19	7	V	2.3	0	3.1	172
180970057	2012	3	19	8	V	0.8	0	2.95	164
180970057	2012	3	19	9	V	5.6	0.2	2.83	170
180970057	2012	3	19	10	V	19.3	21.5	3.85	184
180970057	2012	3	19	11	V	27.9	19.3	4.36	195
180970057	2012	3	19	12	V	13.9	-999	3.85	202
180970057	2012	3	19	13	V	22.7	-999	5.02	189
180970057	2012	3	19	14	V	21.6	10.7	4.56	196
180970057	2012	3	19	15	V	20.1	6.6	4.03	189
180970057	2012	3	19	16	V	0.06	1.7	5.41	163
180970057	2012	3	19	17	V	0.03	0.7	5.9	139
180970057	2012	3	19	18	V	0.02	0.2	5.6	163
180970057	2012	3	19	19	V	0.03	0	4.73	154
180970057	2012	3	19	20	V	0.04	0	4.34	147
180970057	2012	3	19	21	V	0.05	0	4.2	150
180970057	2012	3	19	22	V	0.04	0	3.97	144
180970057	2012	3	19	23	V	0.04	0	4.41	145
180970057	2012	3	19	24	V	0.04	0	4.17	147
180970057	2012	3	20	1	V	0.03	0	3.78	146
180970057	2012	3	20	2	V	0.04	0	3.49	148
180970057	2012	3	20	3	V	0.04	0	4	160
180970057	2012	3	20	4	V	0.04	0	3.98	151
180970057	2012	3	20	5	V	0.04	0	2.96	118
180970057	2012	3	20	6	V	0.06	0	3.24	121
180970057	2012	3	20	7	V	0.2	0	3.52	121
180970057	2012	3	20	8	V	0.2	0	3.91	124
180970057	2012	3	20	9	V	0.1	0.2	4.66	131
180970057	2012	3	20	10	V	0.3	0.7	3.17	154
180970057	2012	3	20	11	V	0.3	1.8	3.25	145
180970057	2012	3	20	12	V	0.2	0.6	3.07	129
180970057	2012	3	20	13	V	0.2	0.3	4.63	135
180970057	2012	3	20	14	V	0.2	0.2	4.03	151
180970057	2012	3	20	15	V	11.4	0.1	3.88	184
180970057	2012	3	20	16	V	0.08	0	4.99	161

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	20	17	V	0.02	0	6.07	146
180970057	2012	3	20	18	V	0.01	0.1	6.36	135
180970057	2012	3	20	19	V	0.02	0	5.39	133
180970057	2012	3	20	20	V	0.03	0	3.69	134
180970057	2012	3	20	21	V	0.04	0	2.86	128
180970057	2012	3	20	22	V	0.03	1.2	2.93	117
180970057	2012	3	20	23	V	0.05	-999	2.54	116
180970057	2012	3	20	24	V	0.02	4	3.18	114
180970057	2012	3	21	1	V	0.03	4	2.89	115
180970057	2012	3	21	2	V	0.03	3.2	3.01	112
180970057	2012	3	21	3	V	0.04	2	3.3	116
180970057	2012	3	21	4	V	0.04	0.4	3.68	125
180970057	2012	3	21	5	V	0.02	0	3.23	126
180970057	2012	3	21	6	V	0.06	0.4	3.83	113
180970057	2012	3	21	7	V	0.1	0.2	4.05	127
180970057	2012	3	21	8	V	0.3	0.5	3.57	127
180970057	2012	3	21	9	V	0.5	1.1	3.3	132
180970057	2012	3	21	10	V	15.8	11.3	2.55	178
180970057	2012	3	21	11	V	13.4	6.5	3.41	200
180970057	2012	3	21	12	V	13.1	20.9	4	194
180970057	2012	3	21	13	V	6.8	13.9	3.41	179
180970057	2012	3	21	14	V	0.2	0.6	4.02	154
180970057	2012	3	21	15	V	0.1	0.2	5.29	141
180970057	2012	3	21	16	V	0.08	0	5.68	143
180970057	2012	3	21	17	V	0.02	0	6.79	138
180970057	2012	3	21	18	V	0.02	0	5.84	141
180970057	2012	3	21	19	V	0.03	0	4.63	137
180970057	2012	3	21	20	V	0.05	0	3.42	145
180970057	2012	3	21	21	V	0.05	0	2.79	138
180970057	2012	3	21	22	V	0.04	0	3.23	137
180970057	2012	3	21	23	V	0.04	0	3.12	142
180970057	2012	3	21	24	V	0.04	0	3.37	148
180970057	2012	3	22	1	V	0.05	0	3.34	156
180970057	2012	3	22	2	V	0.1	0	2.96	175
180970057	2012	3	22	3	V	0.04	0	2.86	172
180970057	2012	3	22	4	V	0.9	0.7	4.15	178
180970057	2012	3	22	5	V	0.04	0	2.32	125
180970057	2012	3	22	6	V	0.09	0	2.16	99
180970057	2012	3	22	7	V	0.3	1.3	2.71	109
180970057	2012	3	22	8	V	0.3	0.7	3.59	128
180970057	2012	3	22	9	V	0.2	1	3.64	136
180970057	2012	3	22	10	V	1.5	0.9	4.58	173
180970057	2012	3	22	11	V	7.0	15	4.65	181
180970057	2012	3	22	12	V	1.6	16.6	4.73	175
180970057	2012	3	22	13	V	0.9	3.5	4.39	171
180970057	2012	3	22	14	V	0.09	0.7	5.36	159

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	22	15	V	14.9	0	5.59	198
180970057	2012	3	22	16	V	7.3	1.2	5.3	202
180970057	2012	3	22	17	V	0.08	0.6	7.57	224
180970057	2012	3	22	18	V	0.7	0	3.73	249
180970057	2012	3	22	19	V	0.3	0	1.16	81
180970057	2012	3	22	20	V	0.1	2.8	1.91	100
180970057	2012	3	22	21	V	0.8	0.7	1.14	108
180970057	2012	3	22	22	V	0.2	0.2	1.59	164
180970057	2012	3	22	23	V	0.1	0	3.1	221
180970057	2012	3	22	24	V	0.1	0	1.82	113
180970057	2012	3	23	1	V	0.04	0	4.14	119
180970057	2012	3	23	2	V	0.03	0	4.44	123
180970057	2012	3	23	3	V	0.04	0	3.68	107
180970057	2012	3	23	4	V	0.04	0	3.01	111
180970057	2012	3	23	5	V	0.04	0	3.35	131
180970057	2012	3	23	6	V	0.06	0	3.74	125
180970057	2012	3	23	7	V	0.08	0	4.58	127
180970057	2012	3	23	8	V	0.08	0	5.12	131
180970057	2012	3	23	9	V	0.08	0	5.55	140
180970057	2012	3	23	10	V	0.09	0	5.43	133
180970057	2012	3	23	11	V	0.1	0	4.54	133
180970057	2012	3	23	12	V	0.09	0	4.05	144
180970057	2012	3	23	13	V	0.2	0	4.2	168
180970057	2012	3	23	14	V	0.2	0.9	3.46	148
180970057	2012	3	23	15	V	0.1	0	3.64	116
180970057	2012	3	23	16	V	0.06	0	4.36	123
180970057	2012	3	23	17	V	0.04	0	5.07	108
180970057	2012	3	23	18	V	0.04	0	4.46	107
180970057	2012	3	23	19	V	0.02	0	4.99	350
180970057	2012	3	23	20	V	0.05	0	4.17	358
180970057	2012	3	23	21	V	0.05	0	4.14	27
180970057	2012	3	23	22	V	0.8	0	3.07	261
180970057	2012	3	23	23	V	1.8	0	4.29	39
180970057	2012	3	23	24	V	0.02	0	2.88	357
180970057	2012	3	24	1	V	0.01	0	3.76	67
180970057	2012	3	24	2	V	0.01	1.4	2.5	67
180970057	2012	3	24	3	V	0.01	0	2.39	103
180970057	2012	3	24	4	V	0.4	0	4.24	182
180970057	2012	3	24	5	V	1.8	0	4.24	188
180970057	2012	3	24	6	V	0.1	0	3.74	226
180970057	2012	3	24	7	V	0.2	0	3.81	248
180970057	2012	3	24	8	V	0.4	0	2.49	254
180970057	2012	3	24	9	V	0.4	0	3.18	273
180970057	2012	3	24	10	V	0.5	0	2.95	273
180970057	2012	3	24	11	V	0.4	0	2.81	261
180970057	2012	3	24	12	V	0.8	0	1.57	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	24	13	V	1.4	0	1.33	217
180970057	2012	3	24	14	V	0.8	0	1.35	245
180970057	2012	3	24	15	V	1.9	3.2	1.13	182
180970057	2012	3	24	16	V	0.4	6.4	1.69	249
180970057	2012	3	24	17	V	0.07	3.8	1.64	114
180970057	2012	3	24	18	V	0.1	1.4	1.74	223
180970057	2012	3	24	19	V	0.8	0	2.59	246
180970057	2012	3	24	20	V	0.7	0	4.09	251
180970057	2012	3	24	21	V	0.7	0	3.86	265
180970057	2012	3	24	22	V	0.02	0	3.1	290
180970057	2012	3	24	23	V	0.02	0	2.45	300
180970057	2012	3	24	24	V	0.01	0	3.71	325
180970057	2012	3	25	1	V	0.02	0	3.81	343
180970057	2012	3	25	2	V	0.02	0	3.85	333
180970057	2012	3	25	3	V	0.01	0	4.48	336
180970057	2012	3	25	4	V	0.02	0	3.29	346
180970057	2012	3	25	5	V	0.01	0	3.98	326
180970057	2012	3	25	6	V	0.01	0	4.78	336
180970057	2012	3	25	7	V	0.04	0	4.99	337
180970057	2012	3	25	8	V	0.2	0	2.78	355
180970057	2012	3	25	9	V	0.08	0	3.86	325
180970057	2012	3	25	10	V	0.03	0	4.85	331
180970057	2012	3	25	11	V	0.04	0	5.12	324
180970057	2012	3	25	12	V	0.03	0	5.34	331
180970057	2012	3	25	13	V	0.05	0	5.11	330
180970057	2012	3	25	14	V	0.05	0	4.37	339
180970057	2012	3	25	15	V	0.04	0	4.44	339
180970057	2012	3	25	16	V	0.03	0	4.71	334
180970057	2012	3	25	17	V	0.01	0	4.78	339
180970057	2012	3	25	18	V	0.01	0	4.59	354
180970057	2012	3	25	19	V	0.01	0	3.91	329
180970057	2012	3	25	20	V	0.01	0	2.67	305
180970057	2012	3	25	21	V	0.01	0	3.35	319
180970057	2012	3	25	22	V	0.01	0	3.83	343
180970057	2012	3	25	23	V	0.01	0	3.49	351
180970057	2012	3	25	24	V	0.01	0	3.81	6
180970057	2012	3	26	1	V	0.01	0	3.47	354
180970057	2012	3	26	2	V	0.02	0	4.27	354
180970057	2012	3	26	3	V	0.02	0	4.78	8
180970057	2012	3	26	4	V	0.01	0	5.12	12
180970057	2012	3	26	5	V	0.01	0	4.97	3
180970057	2012	3	26	6	V	0.04	0	5.41	16
180970057	2012	3	26	7	V	0.1	0	4.88	14
180970057	2012	3	26	8	V	0.6	0	5.12	28
180970057	2012	3	26	9	V	3.0	0.1	6.43	34
180970057	2012	3	26	10	V	9.7	7.5	5.82	40

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	26	11	V	14.8	3.1	5.04	49
180970057	2012	3	26	12	V	10.9	1	5.38	41
180970057	2012	3	26	13	V	15.0	2.6	5.38	46
180970057	2012	3	26	14	V	2.9	0.9	4.88	62
180970057	2012	3	26	15	V	3.0	0	4.95	61
180970057	2012	3	26	16	V	0.5	0	4.88	65
180970057	2012	3	26	17	V	0.04	0	4.9	67
180970057	2012	3	26	18	V	0.01	0	5.63	72
180970057	2012	3	26	19	V	0.01	0	5.94	74
180970057	2012	3	26	20	V	0.01	0	6.45	69
180970057	2012	3	26	21	V	0.01	0	6.84	70
180970057	2012	3	26	22	V	0.01	0	6.46	73
180970057	2012	3	26	23	V	0.01	0	6.81	83
180970057	2012	3	26	24	V	0.01	0	6.86	85
180970057	2012	3	27	1	V	0.01	0	5.75	86
180970057	2012	3	27	2	V	0.01	0	6.28	89
180970057	2012	3	27	3	V	0.01	0	5.9	101
180970057	2012	3	27	4	V	0.01	0	5.75	106
180970057	2012	3	27	5	V	0.02	0	5.61	106
180970057	2012	3	27	6	V	0.04	0	5.75	116
180970057	2012	3	27	7	V	0.07	0	6.02	113
180970057	2012	3	27	8	V	0.08	0	5.75	119
180970057	2012	3	27	9	V	0.06	0.1	6.89	127
180970057	2012	3	27	10	V	0.07	0.6	6.4	129
180970057	2012	3	27	11	V	0.07	0.7	5.31	136
180970057	2012	3	27	12	V	0.06	0.5	6.06	144
180970057	2012	3	27	13	V	0.07	0.5	5.6	145
180970057	2012	3	27	14	V	0.1	0.5	4.07	138
180970057	2012	3	27	15	V	0.1	0.8	3.8	134
180970057	2012	3	27	16	V	0.06	1.6	4.63	139
180970057	2012	3	27	17	V	0.03	3.8	5.31	128
180970057	2012	3	27	18	V	0.02	0.8	5.82	140
180970057	2012	3	27	19	V	0.02	0.1	5.87	151
180970057	2012	3	27	20	V	0.02	0	5.17	150
180970057	2012	3	27	21	V	0.03	0	4.27	159
180970057	2012	3	27	22	V	0.03	0	4.29	161
180970057	2012	3	27	23	V	0.03	-999	3.36	166
180970057	2012	3	27	24	V	1.9	0.3	3.86	182
180970057	2012	3	28	1	V	0.4	0.9	3.86	179
180970057	2012	3	28	2	V	0.07	1	5.36	214
180970057	2012	3	28	3	V	0.05	0.6	6.96	226
180970057	2012	3	28	4	V	0.06	0.5	5.96	227
180970057	2012	3	28	5	V	0.08	0.3	6.46	231
180970057	2012	3	28	6	V	0.06	0	7.96	228
180970057	2012	3	28	7	V	0.2	0.1	4.36	246
180970057	2012	3	28	8	V	0.2	0	5.54	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	28	9	V	0.2	0	5.1	258
180970057	2012	3	28	10	V	0.07	0.4	6.58	289
180970057	2012	3	28	11	V	0.06	0.3	7.47	300
180970057	2012	3	28	12	V	0.07	0	7.6	288
180970057	2012	3	28	13	V	0.07	0	8.08	283
180970057	2012	3	28	14	V	0.06	0	9	283
180970057	2012	3	28	15	V	0.06	0	10.92	281
180970057	2012	3	28	16	V	0.04	0	10.73	284
180970057	2012	3	28	17	V	0.03	0	9.34	290
180970057	2012	3	28	18	V	0.01	0	8.1	297
180970057	2012	3	28	19	V	0.01	0	6.48	301
180970057	2012	3	28	20	V	0.02	0	5.34	311
180970057	2012	3	28	21	V	0.02	0	4.8	309
180970057	2012	3	28	22	V	0.01	0	4.48	315
180970057	2012	3	28	23	V	0.01	0	5.6	351
180970057	2012	3	28	24	V	0.01	0	5.73	16
180970057	2012	3	29	1	V	0.06	0	4.34	34
180970057	2012	3	29	2	V	0.2	0	3.86	37
180970057	2012	3	29	3	V	3.1	0	3.34	45
180970057	2012	3	29	4	V	3.7	1.8	2.86	43
180970057	2012	3	29	5	V	4.3	3.9	2.62	42
180970057	2012	3	29	6	V	4.2	0.5	2.37	62
180970057	2012	3	29	7	V	3.3	0	1.59	72
180970057	2012	3	29	8	V	11.9	0.1	1.94	58
180970057	2012	3	29	9	V	0.1	0.3	3.75	81
180970057	2012	3	29	10	V	0.07	0.2	4.68	83
180970057	2012	3	29	11	V	0.06	0.2	3.95	92
180970057	2012	3	29	12	V	0.1	0.3	3.03	84
180970057	2012	3	29	13	V	0.1	0	3.18	95
180970057	2012	3	29	14	V	0.09	0	2.96	131
180970057	2012	3	29	15	V	0.1	0	2.15	117
180970057	2012	3	29	16	V	0.09	0.1	2.08	88
180970057	2012	3	29	17	V	0.03	0	3.01	105
180970057	2012	3	29	18	V	0.01	0	2.69	100
180970057	2012	3	29	19	V	0.02	0	2.32	93
180970057	2012	3	29	20	V	0.02	0	3.13	68
180970057	2012	3	29	21	V	4.0	0	3.73	53
180970057	2012	3	29	22	V	0.01	0	4.12	78
180970057	2012	3	29	23	V	0.01	0	5.14	79
180970057	2012	3	29	24	V	0.01	0	5.17	95
180970057	2012	3	30	1	V	0.01	0	6.09	103
180970057	2012	3	30	2	V	0.01	0	5.1	113
180970057	2012	3	30	3	V	0.01	0	4.56	97
180970057	2012	3	30	4	V	0.01	0	4.42	85
180970057	2012	3	30	5	V	0.01	0	5.14	106
180970057	2012	3	30	6	V	0.03	0	5.5	120

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	3	30	7	V	0.04	0	5.31	126
180970057	2012	3	30	8	V	0.05	0	4.97	130
180970057	2012	3	30	9	V	0.04	0.2	6.5	142
180970057	2012	3	30	10	V	0.04	1	6.16	151
180970057	2012	3	30	11	V	0.06	1.5	5.46	166
180970057	2012	3	30	12	V	1.2	3.3	6.11	188
180970057	2012	3	30	13	V	0.5	2.7	7.57	202
180970057	2012	3	30	14	V	0.02	1.4	10.71	223
180970057	2012	3	30	15	V	0.09	0.2	10.79	230
180970057	2012	3	30	16	V	0.04	0	9.25	227
180970057	2012	3	30	17	V	0.4	0	8.49	242
180970057	2012	3	30	18	V	0.3	0	3.47	227
180970057	2012	3	30	19	V	0.05	0	2.79	219
180970057	2012	3	30	20	V	0.02	0	2.23	287
180970057	2012	3	30	21	V	0.01	0	3.52	332
180970057	2012	3	30	22	V	0.01	0	5.53	359
180970057	2012	3	30	23	V	0.01	0	5.45	5
180970057	2012	3	30	24	V	0.01	0	3.57	6
180970057	2012	3	31	1	V	0.01	0	2.5	358
180970057	2012	3	31	2	V	0.02	0	2.35	344
180970057	2012	3	31	3	V	0.02	0	3.49	336
180970057	2012	3	31	4	V	0.02	0	3.83	350
180970057	2012	3	31	5	V	0.01	0	4.17	8
180970057	2012	3	31	6	V	0.03	0	3.88	360
180970057	2012	3	31	7	V	0.07	0	3.81	11
180970057	2012	3	31	8	V	0.03	0	4.14	13
180970057	2012	3	31	9	V	6.0	0	4.34	38
180970057	2012	3	31	10	V	3.9	0	3.68	59
180970057	2012	3	31	11	V	10.4	1.2	2.79	42
180970057	2012	3	31	12	V	0.8	0	3.4	28
180970057	2012	3	31	13	V	13.8	0.3	3.18	45
180970057	2012	3	31	14	V	0.05	0.2	2.93	87
180970057	2012	3	31	15	V	0.04	0.1	2.57	98
180970057	2012	3	31	16	V	0.04	0	3.51	96
180970057	2012	3	31	17	V	0.03	0	3.57	108
180970057	2012	3	31	18	V	0.01	0	3.68	93
180970057	2012	3	31	19	V	0.01	0	3.44	88
180970057	2012	3	31	20	V	0.01	0	3.41	84
180970057	2012	3	31	21	V	0.01	0	4.09	92
180970057	2012	3	31	22	V	0.01	0	4.22	93
180970057	2012	3	31	23	V	0.01	-999	3.95	100
180970057	2012	3	31	24	V	0.01	0	3.61	116
180970057	2012	4	1	1	V	0.01	0	3.73	117
180970057	2012	4	1	2	V	0.01	0	3.68	123
180970057	2012	4	1	3	V	0.01	0	3.47	139
180970057	2012	4	1	4	V	0.01	0	3.81	139

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	1	5	V	0.01	0	4	144
180970057	2012	4	1	6	V	0.02	0	4.44	96
180970057	2012	4	1	7	V	0.04	0	5.02	150
180970057	2012	4	1	8	V	0.09	0	3.49	159
180970057	2012	4	1	9	V	0.2	0	2.44	153
180970057	2012	4	1	10	V	1.0	0	3.18	176
180970057	2012	4	1	11	V	0.9	0	6.41	187
180970057	2012	4	1	12	V	0.1	0	4.39	216
180970057	2012	4	1	13	V	0.1	0	6.47	209
180970057	2012	4	1	14	V	0.04	0.3	7.26	220
180970057	2012	4	1	15	V	0.04	0.1	6.77	221
180970057	2012	4	1	16	V	0.03	0.1	6.86	222
180970057	2012	4	1	17	V	0.3	0	6.48	233
180970057	2012	4	1	18	V	0.2	0	4.78	226
180970057	2012	4	1	19	V	0.2	0	3.24	224
180970057	2012	4	1	20	V	7.5	0	1.55	192
180970057	2012	4	1	21	V	0.1	0	1.42	80
180970057	2012	4	1	22	V	0.02	0.4	2.38	99
180970057	2012	4	1	23	V	6.2	2.8	3.42	48
180970057	2012	4	1	24	V	0.06	0.9	5.72	59
180970057	2012	4	2	1	V	0.04	2	5.85	60
180970057	2012	4	2	2	V	0.03	0.5	5.79	63
180970057	2012	4	2	3	V	0.02	0	5.7	71
180970057	2012	4	2	4	V	0.01	0	6.29	67
180970057	2012	4	2	5	V	0.01	0	6.47	74
180970057	2012	4	2	6	V	0.07	0	7.28	81
180970057	2012	4	2	7	V	0.09	0	7.01	77
180970057	2012	4	2	8	V	0.09	0	8.16	84
180970057	2012	4	2	9	V	0.1	0	7.54	92
180970057	2012	4	2	10	V	0.1	0	7.65	98
180970057	2012	4	2	11	V	0.1	0	6.96	92
180970057	2012	4	2	12	V	0.1	0	7.06	91
180970057	2012	4	2	13	V	0.1	0	6.97	110
180970057	2012	4	2	14	V	0.2	0.2	5.9	108
180970057	2012	4	2	15	V	0.1	0.4	5.62	108
180970057	2012	4	2	16	V	0.1	0.6	5.89	109
180970057	2012	4	2	17	V	0.06	0.9	5.36	110
180970057	2012	4	2	18	V	0.02	0.4	5.63	115
180970057	2012	4	2	19	V	0.05	1.8	4.32	126
180970057	2012	4	2	20	V	0.06	0.4	4.05	93
180970057	2012	4	2	21	V	0.04	0	4.7	89
180970057	2012	4	2	22	V	0.04	0	4.68	97
180970057	2012	4	2	23	V	0.07	0.9	4.34	105
180970057	2012	4	2	24	V	0.05	1	5.24	102
180970057	2012	4	3	1	V	0.04	2.1	4.61	109
180970057	2012	4	3	2	V	0.03	1.2	3.68	112

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	3	3	V	0.04	1.2	2.95	118
180970057	2012	4	3	4	V	0.05	2.4	2.79	108
180970057	2012	4	3	5	V	0.04	1.7	2.98	92
180970057	2012	4	3	6	V	0.3	1.8	3.13	112
180970057	2012	4	3	7	V	1.3	2	2.25	115
180970057	2012	4	3	8	V	2.5	3.7	2.05	118
180970057	2012	4	3	9	V	0.8	4.3	3.4	152
180970057	2012	4	3	10	V	52.3	28.4	2.62	182
180970057	2012	4	3	11	V	29.9	12.4	3.23	205
180970057	2012	4	3	12	V	20.5	8.3	2.37	211
180970057	2012	4	3	13	V	13.6	9.5	2.61	213
180970057	2012	4	3	14	V	0.5	10.5	3.47	231
180970057	2012	4	3	15	V	0.6	4.1	3.25	236
180970057	2012	4	3	16	V	1.2	0.6	3.08	216
180970057	2012	4	3	17	V	0.1	0.8	4.9	236
180970057	2012	4	3	18	V	0.8	0.7	3.81	243
180970057	2012	4	3	19	V	0.6	0.7	3.25	235
180970057	2012	4	3	20	V	0.1	0.5	3.34	218
180970057	2012	4	3	21	V	0.6	0.2	2.81	235
180970057	2012	4	3	22	V	0.7	0.2	4.71	244
180970057	2012	4	3	23	V	0.05	0	5.41	290
180970057	2012	4	3	24	V	0.06	0	4.05	323
180970057	2012	4	4	1	V	0.07	0	2.84	330
180970057	2012	4	4	2	V	0.07	0	3.12	338
180970057	2012	4	4	3	V	0.07	0	2.44	331
180970057	2012	4	4	4	V	0.1	0	2.21	301
180970057	2012	4	4	5	V	7.3	0.1	2.47	49
180970057	2012	4	4	6	V	6.2	0.4	4.8	37
180970057	2012	4	4	7	V	6.7	2.1	4.97	37
180970057	2012	4	4	8	V	12.3	5.9	5.41	49
180970057	2012	4	4	9	V	12.3	7.7	6.02	46
180970057	2012	4	4	10	V	12.6	5.1	5.73	52
180970057	2012	4	4	11	V	0.4	2.9	5.24	68
180970057	2012	4	4	12	V	5.5	3.1	5.34	58
180970057	2012	4	4	13	V	10.2	5	3.63	54
180970057	2012	4	4	14	V	10.7	2.6	4.73	53
180970057	2012	4	4	15	V	7.4	2.3	6.23	39
180970057	2012	4	4	16	V	14.1	8.5	6.86	43
180970057	2012	4	4	17	V	1.8	5.8	5	53
180970057	2012	4	4	18	V	0.06	3.7	4.58	70
180970057	2012	4	4	19	V	0.07	1.7	2.93	69
180970057	2012	4	4	20	V	1.6	4.1	5.24	49
180970057	2012	4	4	21	V	0.4	2.3	6.5	55
180970057	2012	4	4	22	V	0.06	0	6.28	63
180970057	2012	4	4	23	V	0.03	0	6.79	69
180970057	2012	4	4	24	V	0.02	0.1	6.11	73

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	5	1	V	0.03	0.2	5.67	80
180970057	2012	4	5	2	V	0.02	0	6.36	80
180970057	2012	4	5	3	V	0.02	0	6.81	80
180970057	2012	4	5	4	V	0.02	0	6.64	76
180970057	2012	4	5	5	V	0.03	0	5.5	84
180970057	2012	4	5	6	V	0.2	0	3.49	99
180970057	2012	4	5	7	V	0.2	0	4.6	95
180970057	2012	4	5	8	V	0.3	0	8.49	67
180970057	2012	4	5	9	V	0.2	0	9.24	70
180970057	2012	4	5	10	V	0.2	0	6.77	73
180970057	2012	4	5	11	V	0.2	0	5.96	70
180970057	2012	4	5	12	V	2.0	0.3	5.96	62
180970057	2012	4	5	13	V	5.0	0.1	6.84	58
180970057	2012	4	5	14	V	0.3	1.4	6.52	67
180970057	2012	4	5	15	V	12.6	1.6	6.65	52
180970057	2012	4	5	16	V	11.2	2.8	6.28	53
180970057	2012	4	5	17	V	1.3	0.6	6.58	43
180970057	2012	4	5	18	V	1.0	1	6.64	46
180970057	2012	4	5	19	V	0.7	0.7	7.18	42
180970057	2012	4	5	20	V	0.8	3.8	6.6	45
180970057	2012	4	5	21	V	0.5	3	5.72	52
180970057	2012	4	5	22	V	0.5	3.5	5.44	53
180970057	2012	4	5	23	V	0.07	1.7	5.77	58
180970057	2012	4	5	24	V	0.2	2.2	6.06	55
180970057	2012	4	6	1	V	0.1	2.6	5.89	56
180970057	2012	4	6	2	V	0.2	7	5.85	55
180970057	2012	4	6	3	V	0.8	9.2	5	42
180970057	2012	4	6	4	V	2.1	8.3	4.68	45
180970057	2012	4	6	5	V	1.0	7.3	5.53	48
180970057	2012	4	6	6	V	11.5	9.6	4.61	42
180970057	2012	4	6	7	V	7.0	7.6	4.6	37
180970057	2012	4	6	8	V	10.3	5.5	4.88	42
180970057	2012	4	6	9	V	11.5	5.9	4.87	53
180970057	2012	4	6	10	V	9.1	4.1	5.7	55
180970057	2012	4	6	11	V	3.1	1.8	6.24	62
180970057	2012	4	6	12	V	4.1	1.9	5.82	61
180970057	2012	4	6	13	V	5.9	3	5.43	59
180970057	2012	4	6	14	V	4.3	2.5	5.39	61
180970057	2012	4	6	15	V	6.5	2.6	5.44	58
180970057	2012	4	6	16	V	0.2	1.2	4.65	74
180970057	2012	4	6	17	V	0.1	1.3	4.08	81
180970057	2012	4	6	18	V	0.04	1.4	4.44	66
180970057	2012	4	6	19	V	0.05	2.1	4.03	67
180970057	2012	4	6	20	V	0.2	0	3.57	57
180970057	2012	4	6	21	V	0.1	0	2.96	58
180970057	2012	4	6	22	V	0.05	0	3.2	69

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	6	23	V	0.05	0	3.49	77
180970057	2012	4	6	24	V	0.05	0	3.44	84
180970057	2012	4	7	1	V	0.05	0	4.1	94
180970057	2012	4	7	2	V	0.05	0	4.17	104
180970057	2012	4	7	3	V	0.05	0	4.07	105
180970057	2012	4	7	4	V	0.04	0	3.41	109
180970057	2012	4	7	5	V	0.05	0	3.05	102
180970057	2012	4	7	6	V	0.7	0	2.13	114
180970057	2012	4	7	7	V	3.2	0	1.62	103
180970057	2012	4	7	8	V	2.0	0.4	2.45	105
180970057	2012	4	7	9	V	0.5	3.4	3.71	130
180970057	2012	4	7	10	V	0.5	2.8	3.51	144
180970057	2012	4	7	11	V	0.5	1.5	3.66	148
180970057	2012	4	7	12	V	0.7	3.3	3.12	148
180970057	2012	4	7	13	V	0.4	3.9	3.98	145
180970057	2012	4	7	14	V	1.1	2.6	3.61	163
180970057	2012	4	7	15	V	10.9	7.7	2.55	174
180970057	2012	4	7	16	V	1.7	30.2	1.87	231
180970057	2012	4	7	17	V	0.7	45.9	1.74	109
180970057	2012	4	7	18	V	0.1	4	2.5	118
180970057	2012	4	7	19	V	0.09	1.1	2.83	148
180970057	2012	4	7	20	V	0.1	1.4	2.52	172
180970057	2012	4	7	21	V	10.0	3.1	1.91	181
180970057	2012	4	7	22	V	17.7	2.7	1.45	206
180970057	2012	4	7	23	V	0.1	-999	2.27	217
180970057	2012	4	7	24	V	0.4	1.9	2.27	227
180970057	2012	4	8	1	V	0.2	2.1	2.69	235
180970057	2012	4	8	2	V	0.7	1.6	2.27	269
180970057	2012	4	8	3	V	0.8	1.1	3.74	263
180970057	2012	4	8	4	V	0.03	0.9	5.5	304
180970057	2012	4	8	5	V	0.02	0.1	7.04	316
180970057	2012	4	8	6	V	0.07	0	7.3	323
180970057	2012	4	8	7	V	0.1	0	6.19	323
180970057	2012	4	8	8	V	0.1	0	5.79	324
180970057	2012	4	8	9	V	0.1	0.4	6.28	332
180970057	2012	4	8	10	V	0.1	0.3	7.72	332
180970057	2012	4	8	11	V	0.1	0.1	7.76	327
180970057	2012	4	8	12	V	0.2	0	6.81	312
180970057	2012	4	8	13	V	0.2	0	6.67	322
180970057	2012	4	8	14	V	0.1	0	8.23	328
180970057	2012	4	8	15	V	0.1	0	8.28	314
180970057	2012	4	8	16	V	0.1	0	6.21	322
180970057	2012	4	8	17	V	0.09	0	4.42	312
180970057	2012	4	8	18	V	0.02	0	5.28	305
180970057	2012	4	8	19	V	0.04	0	3.66	291
180970057	2012	4	8	20	V	0.7	0	3.42	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	8	21	V	0.4	0	3.3	228
180970057	2012	4	8	22	V	0.5	0	3.46	235
180970057	2012	4	8	23	V	0.5	0.8	3.97	236
180970057	2012	4	8	24	V	0.7	0.2	4.09	241
180970057	2012	4	9	1	V	0.2	0	4.03	247
180970057	2012	4	9	2	V	0.2	0	3.56	247
180970057	2012	4	9	3	V	0.3	0	3.4	251
180970057	2012	4	9	4	V	0.3	0	3.01	249
180970057	2012	4	9	5	V	0.3	0	3.08	248
180970057	2012	4	9	6	V	0.3	0.2	3.39	237
180970057	2012	4	9	7	V	0.5	1.8	3.58	233
180970057	2012	4	9	8	V	0.2	0.8	4.93	243
180970057	2012	4	9	9	V	0.2	2.1	6.75	268
180970057	2012	4	9	10	V	0.1	0.7	7.62	294
180970057	2012	4	9	11	V	0.1	0.1	8.67	303
180970057	2012	4	9	12	V	0.1	0	9.61	301
180970057	2012	4	9	13	V	0.09	0	10.41	300
180970057	2012	4	9	14	V	0.09	0	10.05	287
180970057	2012	4	9	15	V	0.08	-999	10.14	289
180970057	2012	4	9	16	V	0.08	0	9.64	289
180970057	2012	4	9	17	V	0.08	0	9.58	287
180970057	2012	4	9	18	V	0.09	0	10.41	285
180970057	2012	4	9	19	V	0.07	0	9.05	286
180970057	2012	4	9	20	V	0.1	0	6.3	284
180970057	2012	4	9	21	V	0.04	0	4.87	294
180970057	2012	4	9	22	V	0.03	0	5.14	301
180970057	2012	4	9	23	V	0.04	-999	4.82	300
180970057	2012	4	9	24	V	0.04	-999	4.8	305
180970057	2012	4	10	1	V	0.04	0	4.12	294
180970057	2012	4	10	2	V	0.04	0.7	4.2	299
180970057	2012	4	10	3	V	0.04	0.8	4.27	291
180970057	2012	4	10	4	V	0.04	1.2	4.46	308
180970057	2012	4	10	5	V	0.03	0.4	4.61	346
180970057	2012	4	10	6	V	0.2	0.1	3.91	346
180970057	2012	4	10	7	V	0.3	0.2	3.47	329
180970057	2012	4	10	8	V	0.2	0.3	4.85	331
180970057	2012	4	10	9	V	0.1	0.4	7.16	315
180970057	2012	4	10	10	V	0.1	0.4	8.2	306
180970057	2012	4	10	11	V	0.1	0.4	8.71	292
180970057	2012	4	10	12	V	0.09	0.1	9.47	287
180970057	2012	4	10	13	V	0.07	0	10.85	291
180970057	2012	4	10	14	V	0.07	0	11.04	297
180970057	2012	4	10	15	V	0.07	0	10.72	298
180970057	2012	4	10	16	V	0.06	0	10.41	298
180970057	2012	4	10	17	V	0.05	0	10.36	305
180970057	2012	4	10	18	V	0.02	0	10.05	317

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	10	19	V	0.01	0	7.96	327
180970057	2012	4	10	20	V	0.02	0.2	5.17	352
180970057	2012	4	10	21	V	0.03	0.3	5.07	19
180970057	2012	4	10	22	V	0.03	0.2	4.94	18
180970057	2012	4	10	23	V	0.04	0.1	3.59	18
180970057	2012	4	10	24	V	0.07	0.1	2.84	5
180970057	2012	4	11	1	V	0.1	0.2	2.3	338
180970057	2012	4	11	2	V	0.08	0	2.72	308
180970057	2012	4	11	3	V	0.1	0	2.37	292
180970057	2012	4	11	4	V	0.08	0	2.84	299
180970057	2012	4	11	5	V	0.08	0	2.88	287
180970057	2012	4	11	6	V	0.4	0.1	3.07	289
180970057	2012	4	11	7	V	0.8	0.3	3.46	302
180970057	2012	4	11	8	V	0.2	0.6	4.93	312
180970057	2012	4	11	9	V	0.2	0.8	5.51	318
180970057	2012	4	11	10	V	0.2	0.8	5.43	338
180970057	2012	4	11	11	V	0.2	0.6	5.96	352
180970057	2012	4	11	12	V	0.2	0.3	5.79	339
180970057	2012	4	11	13	V	0.2	0.3	5.89	342
180970057	2012	4	11	14	V	0.2	0.2	5.31	352
180970057	2012	4	11	15	V	0.2	0.1	4.61	336
180970057	2012	4	11	16	V	0.2	0.1	3.97	328
180970057	2012	4	11	17	V	0.3	0	3.15	342
180970057	2012	4	11	18	V	0.08	0	2.69	330
180970057	2012	4	11	19	V	0.1	0	2.57	8
180970057	2012	4	11	20	V	0.2	0.1	2.03	6
180970057	2012	4	11	21	V	0.6	0.5	1.57	310
180970057	2012	4	11	22	V	0.2	0.8	2.08	311
180970057	2012	4	11	23	V	0.07	0.5	2.9	352
180970057	2012	4	11	24	V	0.05	0.1	3.27	16
180970057	2012	4	12	1	V	0.4	0	1.67	343
180970057	2012	4	12	2	V	1.5	0.1	1.21	310
180970057	2012	4	12	3	V	0.3	0.1	1.89	290
180970057	2012	4	12	4	V	0.2	0.4	2.15	317
180970057	2012	4	12	5	V	2.6	0.4	1.04	297
180970057	2012	4	12	6	V	3.3	0.8	1.21	289
180970057	2012	4	12	7	V	7.6	1.4	1.23	286
180970057	2012	4	12	8	V	11.9	1.1	1.19	273
180970057	2012	4	12	9	V	10.0	1.5	1.43	233
180970057	2012	4	12	10	V	2.0	1.1	2.06	247
180970057	2012	4	12	11	V	0.8	1.1	3.23	282
180970057	2012	4	12	12	V	1.2	1.6	2.64	259
180970057	2012	4	12	13	V	1.8	2.1	2.27	242
180970057	2012	4	12	14	V	1.7	2.2	2.18	243
180970057	2012	4	12	15	V	16.8	1.6	2.64	198
180970057	2012	4	12	16	V	2.1	1.8	2.74	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	12	17	V	0.2	2.6	3.25	246
180970057	2012	4	12	18	V	0.8	2.5	2.54	256
180970057	2012	4	12	19	V	1.3	2.5	1.99	273
180970057	2012	4	12	20	V	2.1	1.6	1.16	272
180970057	2012	4	12	21	V	0.2	1.4	2.11	304
180970057	2012	4	12	22	V	0.09	1.3	2.62	334
180970057	2012	4	12	23	V	0.2	1.4	2.1	359
180970057	2012	4	12	24	V	0.5	0.9	1.55	72
180970057	2012	4	13	1	V	0.5	0.8	1.59	108
180970057	2012	4	13	2	V	0.2	0.9	1.96	88
180970057	2012	4	13	3	V	29.2	0.7	0.97	55
180970057	2012	4	13	4	V	3.9	0.7	0.86	85
180970057	2012	4	13	5	V	13.9	0.9	0.92	63
180970057	2012	4	13	6	V	0.8	1.1	2.45	105
180970057	2012	4	13	7	V	1.2	0.6	2.49	88
180970057	2012	4	13	8	V	0.9	3	3	108
180970057	2012	4	13	9	V	0.2	1.7	4.15	133
180970057	2012	4	13	10	V	0.3	1	4.85	154
180970057	2012	4	13	11	V	0.1	1.3	6.23	140
180970057	2012	4	13	12	V	0.1	1.1	6.36	144
180970057	2012	4	13	13	V	0.2	1.8	4.92	158
180970057	2012	4	13	14	V	0.1	2	4.75	160
180970057	2012	4	13	15	V	0.1	1.7	4.82	148
180970057	2012	4	13	16	V	0.1	3.3	4.41	147
180970057	2012	4	13	17	V	0.1	1.9	4.68	144
180970057	2012	4	13	18	V	0.07	0.3	4.56	157
180970057	2012	4	13	19	V	0.1	0.3	3.85	155
180970057	2012	4	13	20	V	0.1	0.4	3.22	174
180970057	2012	4	13	21	V	3.2	1.6	3.81	180
180970057	2012	4	13	22	V	13.9	4.9	3.59	184
180970057	2012	4	13	23	V	0.5	16.5	3.22	177
180970057	2012	4	13	24	V	0.1	3	3.44	170
180970057	2012	4	14	1	V	0.1	2.7	2.86	174
180970057	2012	4	14	2	V	0.06	2.4	2.62	147
180970057	2012	4	14	3	V	0.08	2.1	2.45	139
180970057	2012	4	14	4	V	0.07	1.5	3.56	151
180970057	2012	4	14	5	V	0.07	0.9	2.76	143
180970057	2012	4	14	6	V	0.3	1.2	2.62	125
180970057	2012	4	14	7	V	21.9	2.3	4.53	184
180970057	2012	4	14	8	V	19.7	1.9	4.7	183
180970057	2012	4	14	9	V	2.7	0.6	4.25	173
180970057	2012	4	14	10	V	1.9	0.4	3.52	164
180970057	2012	4	14	11	V	0.7	0.3	3.66	147
180970057	2012	4	14	12	V	72.5	0.2	2.91	188
180970057	2012	4	14	13	V	0.1	0.2	4.63	149
180970057	2012	4	14	14	V	0.1	0	5.27	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	14	15	V	9.0	0.7	4.78	182
180970057	2012	4	14	16	V	15.7	3.1	4.82	185
180970057	2012	4	14	17	V	5.7	1.7	4.9	179
180970057	2012	4	14	18	V	3.4	0.8	3.86	179
180970057	2012	4	14	19	V	0.3	1.7	3.32	211
180970057	2012	4	14	20	V	0.06	0.6	3.22	121
180970057	2012	4	14	21	V	0.1	0.6	2.42	62
180970057	2012	4	14	22	V	0.05	0.6	3.22	101
180970057	2012	4	14	23	V	0.04	0.4	3.46	124
180970057	2012	4	14	24	V	0.03	0.1	3.9	147
180970057	2012	4	15	1	V	0.03	0.1	3.9	163
180970057	2012	4	15	2	V	0.02	0.2	5.65	172
180970057	2012	4	15	3	V	4.0	3.4	6.57	187
180970057	2012	4	15	4	V	4.8	11.9	8.42	190
180970057	2012	4	15	5	V	6.3	22.4	6.75	197
180970057	2012	4	15	6	V	3.1	18.4	6.82	204
180970057	2012	4	15	7	V	1.7	5	8.35	206
180970057	2012	4	15	8	V	0.4	4.6	10.46	208
180970057	2012	4	15	9	V	0.3	4.4	11.73	209
180970057	2012	4	15	10	V	0.1	3.5	10.9	212
180970057	2012	4	15	11	V	1.2	2.9	10.8	206
180970057	2012	4	15	12	V	16.2	22.5	10.61	194
180970057	2012	4	15	13	V	11.3	15.2	11.09	198
180970057	2012	4	15	14	V	14.3	15.4	10.31	197
180970057	2012	4	15	15	V	14.3	4.7	9.34	199
180970057	2012	4	15	16	V	19.3	8.7	9.34	198
180970057	2012	4	15	17	V	33.5	22.9	9.42	193
180970057	2012	4	15	18	V	15.5	39.4	8	192
180970057	2012	4	15	19	V	11.3	28.2	7.08	188
180970057	2012	4	15	20	V	1.3	25.2	6.01	179
180970057	2012	4	15	21	V	0.08	3.8	6.55	173
180970057	2012	4	15	22	V	0.08	1.8	7.33	173
180970057	2012	4	15	23	V	1.7	-999	8.71	180
180970057	2012	4	15	24	V	3.6	4.9	9.63	181
180970057	2012	4	16	1	V	3.3	3.1	10.02	181
180970057	2012	4	16	2	V	4.0	2.2	10.97	181
180970057	2012	4	16	3	V	15.1	54.7	10.61	198
180970057	2012	4	16	4	V	0.04	4.8	9.35	226
180970057	2012	4	16	5	V	1.5	1.2	8.64	205
180970057	2012	4	16	6	V	2.5	2.5	8.73	206
180970057	2012	4	16	7	V	1.2	1.4	10.1	207
180970057	2012	4	16	8	V	0.09	0.8	8.54	216
180970057	2012	4	16	9	V	0.06	1	11.56	221
180970057	2012	4	16	10	V	0.1	1	11.96	227
180970057	2012	4	16	11	V	0.2	1.2	12.09	234
180970057	2012	4	16	12	V	0.2	0.7	11.87	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	16	13	V	0.3	0.6	11.87	239
180970057	2012	4	16	14	V	0.3	0.3	11.26	237
180970057	2012	4	16	15	V	0.3	0.5	11.05	242
180970057	2012	4	16	16	V	0.2	1.3	10.72	262
180970057	2012	4	16	17	V	0.2	0.1	9.2	261
180970057	2012	4	16	18	V	0.6	0.1	7.6	262
180970057	2012	4	16	19	V	0.7	0	6.14	258
180970057	2012	4	16	20	V	0.7	0	3.73	254
180970057	2012	4	16	21	V	0.3	0	3.32	225
180970057	2012	4	16	22	V	0.9	0	2.81	245
180970057	2012	4	16	23	V	0.9	0	2.69	245
180970057	2012	4	16	24	V	1.3	0	2.15	245
180970057	2012	4	17	1	V	0.5	0	1.84	243
180970057	2012	4	17	2	V	2.0	0	1.23	257
180970057	2012	4	17	3	V	1.3	0	1.3	217
180970057	2012	4	17	4	V	0.4	0	1.88	243
180970057	2012	4	17	5	V	1.4	0.1	1.64	258
180970057	2012	4	17	6	V	3.8	0.4	1.37	253
180970057	2012	4	17	7	V	72.8	0.7	1.5	202
180970057	2012	4	17	8	V	11.3	0.8	1.08	267
180970057	2012	4	17	9	V	19.9	1.9	0.84	304
180970057	2012	4	17	10	V	3.2	3.7	1.52	294
180970057	2012	4	17	11	V	0.9	1	2.83	302
180970057	2012	4	17	12	V	0.7	0.7	2.93	273
180970057	2012	4	17	13	V	0.6	0.7	3.34	261
180970057	2012	4	17	14	V	0.3	0.3	3.88	290
180970057	2012	4	17	15	V	0.5	0.2	2.79	306
180970057	2012	4	17	16	V	0.5	0.1	2.5	266
180970057	2012	4	17	17	V	0.2	0.1	3	305
180970057	2012	4	17	18	V	0.09	0	3.83	307
180970057	2012	4	17	19	V	0.07	0.2	4.36	311
180970057	2012	4	17	20	V	0.07	0	3.15	327
180970057	2012	4	17	21	V	0.1	0	2.35	347
180970057	2012	4	17	22	V	0.3	0.1	1.76	344
180970057	2012	4	17	23	V	0.2	0.1	2.06	321
180970057	2012	4	17	24	V	0.08	0.2	2.59	335
180970057	2012	4	18	1	V	0.05	0.1	2.78	20
180970057	2012	4	18	2	V	5.3	0.1	2.81	44
180970057	2012	4	18	3	V	0.2	0.2	3.15	38
180970057	2012	4	18	4	V	0.03	0	3.39	28
180970057	2012	4	18	5	V	0.04	0	3	24
180970057	2012	4	18	6	V	13.6	0.1	3.54	49
180970057	2012	4	18	7	V	4.2	0.7	2.03	18
180970057	2012	4	18	8	V	29.0	1	0.67	11
180970057	2012	4	18	9	V	8.8	1.2	1.23	96
180970057	2012	4	18	10	V	1.5	0.7	2.27	104

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	18	11	V	3.9	0.4	1.69	89
180970057	2012	4	18	12	V	3.9	2.3	1.99	153
180970057	2012	4	18	13	V	2.4	3.8	1.86	253
180970057	2012	4	18	14	V	3.5	3.5	1.87	229
180970057	2012	4	18	15	V	3.8	3.8	1.81	226
180970057	2012	4	18	16	V	19.9	7.5	2.13	189
180970057	2012	4	18	17	V	0.3	13.9	2.06	223
180970057	2012	4	18	18	V	0.09	12.3	2.81	218
180970057	2012	4	18	19	V	1.2	3.6	2.57	206
180970057	2012	4	18	20	V	0.07	1.6	2.78	171
180970057	2012	4	18	21	V	0.05	0.7	3.18	160
180970057	2012	4	18	22	V	2.8	0.3	3.54	182
180970057	2012	4	18	23	V	1.5	0.4	2.52	206
180970057	2012	4	18	24	V	53.9	0.3	3.27	196
180970057	2012	4	19	1	V	0.1	0.3	2.38	217
180970057	2012	4	19	2	V	0.6	0.1	1.42	227
180970057	2012	4	19	3	V	0.2	0	1.77	166
180970057	2012	4	19	4	V	0.1	0	2.08	215
180970057	2012	4	19	5	V	35.6	0	2.25	198
180970057	2012	4	19	6	V	12.0	0.3	2.04	210
180970057	2012	4	19	7	V	24.2	0.8	1.26	221
180970057	2012	4	19	8	V	9.7	1.5	2.1	222
180970057	2012	4	19	9	V	3.9	1.8	3.44	217
180970057	2012	4	19	10	V	0.8	2.2	3.23	230
180970057	2012	4	19	11	V	0.4	2.4	5.26	232
180970057	2012	4	19	12	V	0.5	1.2	4.36	246
180970057	2012	4	19	13	V	2.9	0.9	4.03	219
180970057	2012	4	19	14	V	8.0	20.9	3.1	213
180970057	2012	4	19	15	V	12.1	30.7	4.7	180
180970057	2012	4	19	16	V	31.5	18.8	4.63	193
180970057	2012	4	19	17	V	31.7	17.5	5.41	197
180970057	2012	4	19	18	V	2.8	3.1	5.21	205
180970057	2012	4	19	19	V	4.1	0.5	4.05	205
180970057	2012	4	19	20	V	0.08	0.7	3.6	153
180970057	2012	4	19	21	V	0.07	0.6	4.31	148
180970057	2012	4	19	22	V	0.06	1	4.26	157
180970057	2012	4	19	23	V	0.08	1	3.61	164
180970057	2012	4	19	24	V	0.05	0.9	4.19	156
180970057	2012	4	20	1	V	0.05	0.8	4.32	155
180970057	2012	4	20	2	V	0.03	0.6	5.33	167
180970057	2012	4	20	3	V	0.03	0.5	4.87	168
180970057	2012	4	20	4	V	0.03	0.3	5	162
180970057	2012	4	20	5	V	0.08	0.3	3.88	167
180970057	2012	4	20	6	V	0.3	0.5	4.76	169
180970057	2012	4	20	7	V	1.4	3	4.63	171
180970057	2012	4	20	8	V	32.1	15.5	5.68	198

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	20	9	V	7.4	4.9	6.47	205
180970057	2012	4	20	10	V	0.2	3.4	7.43	216
180970057	2012	4	20	11	V	0.09	2.4	7.65	218
180970057	2012	4	20	12	V	0.3	2	8.28	237
180970057	2012	4	20	13	V	0.2	1.8	7.6	234
180970057	2012	4	20	14	V	0.1	1.3	7.45	268
180970057	2012	4	20	15	V	0.06	1.2	7.38	293
180970057	2012	4	20	16	V	0.05	0.1	8.25	314
180970057	2012	4	20	17	V	0.03	0	7.28	315
180970057	2012	4	20	18	V	0.03	0	6.07	314
180970057	2012	4	20	19	V	0.03	0	6.45	327
180970057	2012	4	20	20	V	0.03	0	6.4	327
180970057	2012	4	20	21	V	0.03	0	6.74	332
180970057	2012	4	20	22	V	0.02	0	6.58	329
180970057	2012	4	20	23	V	0.03	0	6.07	330
180970057	2012	4	20	24	V	0.04	0	5.38	331
180970057	2012	4	21	1	V	0.05	0	4.92	333
180970057	2012	4	21	2	V	0.05	0	4.61	332
180970057	2012	4	21	3	V	0.05	0	4.58	332
180970057	2012	4	21	4	V	0.03	0	5.22	347
180970057	2012	4	21	5	V	0.02	0	6.07	6
180970057	2012	4	21	6	V	0.08	0	5.27	1
180970057	2012	4	21	7	V	0.09	0	5.6	9
180970057	2012	4	21	8	V	0.1	0	5.48	8
180970057	2012	4	21	9	V	0.2	0	5.14	358
180970057	2012	4	21	10	V	0.1	0	5.5	360
180970057	2012	4	21	11	V	0.1	0	4.82	4
180970057	2012	4	21	12	V	0.1	0	4.78	9
180970057	2012	4	21	13	V	0.2	0	4.03	359
180970057	2012	4	21	14	V	0.2	0	3.47	1
180970057	2012	4	21	15	V	0.2	0	3.9	11
180970057	2012	4	21	16	V	0.7	0	3.64	30
180970057	2012	4	21	17	V	11.4	0	3.3	43
180970057	2012	4	21	18	V	0.4	0	2.47	59
180970057	2012	4	21	19	V	0.08	0.1	2.79	76
180970057	2012	4	21	20	V	0.09	0.3	2.73	121
180970057	2012	4	21	21	V	0.07	0.1	2.79	126
180970057	2012	4	21	22	V	0.07	0	2.64	143
180970057	2012	4	21	23	V	0.08	0	2.45	151
180970057	2012	4	21	24	V	0.2	0	1.96	147
180970057	2012	4	22	1	V	0.5	0	1.55	303
180970057	2012	4	22	2	V	9.5	0	0.87	27
180970057	2012	4	22	3	V	1.9	0	0.97	77
180970057	2012	4	22	4	C	-999	0	0	0
180970057	2012	4	22	5	V	1.3	0	1.13	112
180970057	2012	4	22	6	V	0.5	0	2.72	97

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	22	7	V	1.1	0	2.69	85
180970057	2012	4	22	8	V	0.3	0	4	79
180970057	2012	4	22	9	V	4.3	1.1	3.78	63
180970057	2012	4	22	10	V	0.9	2.2	2.69	23
180970057	2012	4	22	11	V	1.2	1.1	3.78	24
180970057	2012	4	22	12	V	0.2	0.8	5.16	17
180970057	2012	4	22	13	V	0.1	0.6	5.9	7
180970057	2012	4	22	14	V	0.1	0.4	5.9	15
180970057	2012	4	22	15	V	0.09	1	7.11	9
180970057	2012	4	22	16	V	0.09	0.4	7.04	12
180970057	2012	4	22	17	V	0.08	0.2	5.92	26
180970057	2012	4	22	18	V	0.02	0	6.53	23
180970057	2012	4	22	19	V	0.02	0	6.94	17
180970057	2012	4	22	20	V	0.03	0	5.53	19
180970057	2012	4	22	21	V	0.03	0	6.26	355
180970057	2012	4	22	22	V	0.02	0	7.04	358
180970057	2012	4	22	23	V	0.02	-999	7.01	344
180970057	2012	4	22	24	V	0.02	0	6.18	338
180970057	2012	4	23	1	V	0.02	0	5.68	331
180970057	2012	4	23	2	V	0.01	0	5.72	339
180970057	2012	4	23	3	V	0.01	0	5.7	341
180970057	2012	4	23	4	V	0.02	0	5.44	333
180970057	2012	4	23	5	V	0.03	0	5.29	327
180970057	2012	4	23	6	V	0.1	0.1	5.53	322
180970057	2012	4	23	7	V	0.1	0.3	6.7	326
180970057	2012	4	23	8	V	0.1	0.4	7.69	327
180970057	2012	4	23	9	V	0.1	0.6	8.2	326
180970057	2012	4	23	10	V	0.1	0.8	9.29	331
180970057	2012	4	23	11	V	0.08	0.3	10.63	337
180970057	2012	4	23	12	V	0.08	0.1	11.33	334
180970057	2012	4	23	13	V	0.08	0.3	11.29	329
180970057	2012	4	23	14	V	0.08	0.1	10.97	325
180970057	2012	4	23	15	V	0.07	0.4	12.24	324
180970057	2012	4	23	16	V	0.06	0.2	12.52	325
180970057	2012	4	23	17	V	0.05	0.2	11.96	333
180970057	2012	4	23	18	V	0.07	0.3	10.61	344
180970057	2012	4	23	19	V	0.03	0.3	8.96	345
180970057	2012	4	23	20	V	0.02	0.1	7.21	349
180970057	2012	4	23	21	V	0.03	0.3	4.86	338
180970057	2012	4	23	22	V	0.04	0.2	3.43	323
180970057	2012	4	23	23	V	0.1	0.3	2.32	289
180970057	2012	4	23	24	V	0.6	-999	3.29	265
180970057	2012	4	24	1	V	0.4	-999	4.07	252
180970057	2012	4	24	2	V	0.5	-999	4.24	253
180970057	2012	4	24	3	V	0.7	-999	4.36	257
180970057	2012	4	24	4	V	0.04	-999	2.86	1

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	24	5	V	0.08	-999	2.21	331
180970057	2012	4	24	6	V	0.6	-999	2.95	257
180970057	2012	4	24	7	V	0.9	-999	3.2	254
180970057	2012	4	24	8	V	1.0	-999	3.56	269
180970057	2012	4	24	9	V	0.4	-999	3.9	286
180970057	2012	4	24	10	V	0.3	-999	4.66	314
180970057	2012	4	24	11	V	0.2	-999	5.97	315
180970057	2012	4	24	12	V	0.2	-999	5.65	301
180970057	2012	4	24	13	V	0.2	-999	5.82	295
180970057	2012	4	24	14	V	0.2	-999	5.43	289
180970057	2012	4	24	15	V	0.2	-999	4.61	292
180970057	2012	4	24	16	V	0.2	-999	6.31	268
180970057	2012	4	24	17	V	0.7	-999	6.04	266
180970057	2012	4	24	18	V	0.6	-999	5.62	252
180970057	2012	4	24	19	V	0.8	-999	4.17	248
180970057	2012	4	24	20	V	0.1	-999	3.34	220
180970057	2012	4	24	21	V	0.6	-999	3.08	209
180970057	2012	4	24	22	V	24.7	-999	2.35	185
180970057	2012	4	24	23	V	0.08	-999	2.4	170
180970057	2012	4	24	24	V	0.08	-999	2.23	139
180970057	2012	4	25	1	V	0.06	-999	2.89	124
180970057	2012	4	25	2	V	0.06	-999	3.3	138
180970057	2012	4	25	3	V	0.05	-999	2.93	116
180970057	2012	4	25	4	V	0.03	-999	3.29	117
180970057	2012	4	25	5	V	0.08	-999	3.2	113
180970057	2012	4	25	6	V	0.4	-999	3.23	113
180970057	2012	4	25	7	V	0.7	-999	3.32	124
180970057	2012	4	25	8	V	0.2	-999	4.71	125
180970057	2012	4	25	9	V	0.2	-999	5.51	134
180970057	2012	4	25	10	V	0.4	-999	4.31	134
180970057	2012	4	25	11	V	0.3	-999	4.6	126
180970057	2012	4	25	12	V	0.2	-999	5.72	120
180970057	2012	4	25	13	V	0.1	-999	5.82	136
180970057	2012	4	25	14	V	0.1	-999	6.47	135
180970057	2012	4	25	15	V	0.1	-999	6.11	149
180970057	2012	4	25	16	V	0.08	-999	4.8	144
180970057	2012	4	25	17	V	0.04	-999	4.44	98
180970057	2012	4	25	18	V	0.05	-999	5.43	121
180970057	2012	4	25	19	V	0.08	-999	4.39	100
180970057	2012	4	25	20	V	0.07	-999	4.68	78
180970057	2012	4	25	21	V	0.04	-999	5.97	102
180970057	2012	4	25	22	V	0.03	-999	6.02	131
180970057	2012	4	25	23	V	0.04	-999	5	142
180970057	2012	4	25	24	V	0.07	-999	4.22	153
180970057	2012	4	26	1	V	0.08	0	2.91	148
180970057	2012	4	26	2	V	0.08	0	2.98	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	26	3	V	0.07	0	3.03	164
180970057	2012	4	26	4	V	12.8	0	2.84	201
180970057	2012	4	26	5	V	0.3	0	2.57	238
180970057	2012	4	26	6	V	0.4	0	3.88	248
180970057	2012	4	26	7	V	0.7	0	4	261
180970057	2012	4	26	8	V	0.2	0	5.82	307
180970057	2012	4	26	9	V	0.09	0	8.98	330
180970057	2012	4	26	10	V	0.1	0	7.84	342
180970057	2012	4	26	11	V	0.09	0	7.03	341
180970057	2012	4	26	12	V	0.2	0	5.87	335
180970057	2012	4	26	13	V	0.2	0.3	6.48	323
180970057	2012	4	26	14	V	0.1	0.1	8.5	329
180970057	2012	4	26	15	V	0.09	0	9.17	331
180970057	2012	4	26	16	V	0.07	0	10.09	332
180970057	2012	4	26	17	V	0.06	0	9.97	343
180970057	2012	4	26	18	V	0.05	0	9.73	348
180970057	2012	4	26	19	V	0.04	0	9.59	351
180970057	2012	4	26	20	V	0.02	0	7.93	347
180970057	2012	4	26	21	V	0.02	0	6.94	343
180970057	2012	4	26	22	V	0.02	0	7.31	354
180970057	2012	4	26	23	V	0.02	0	5.43	356
180970057	2012	4	26	24	V	0.02	0	5.77	14
180970057	2012	4	27	1	V	0.02	0	5	20
180970057	2012	4	27	2	V	0.05	0	4.37	7
180970057	2012	4	27	3	V	0.05	0	2.98	348
180970057	2012	4	27	4	V	0.04	0	3.57	359
180970057	2012	4	27	5	V	0.08	0	4.41	26
180970057	2012	4	27	6	V	0.9	0	5.26	28
180970057	2012	4	27	7	V	2.0	0	5.38	30
180970057	2012	4	27	8	V	15.8	4.8	5.36	48
180970057	2012	4	27	9	V	10.4	1.2	4.97	54
180970057	2012	4	27	10	V	6.3	2.1	4.77	59
180970057	2012	4	27	11	V	3.5	1.7	4.9	62
180970057	2012	4	27	12	V	2.4	0	5.02	64
180970057	2012	4	27	13	V	0.5	0	4.07	79
180970057	2012	4	27	14	V	0.4	0.5	4.46	77
180970057	2012	4	27	15	V	1.2	0	4.9	68
180970057	2012	4	27	16	V	0.2	0	4.65	76
180970057	2012	4	27	17	V	0.2	0	4.24	90
180970057	2012	4	27	18	V	0.08	0	4.05	97
180970057	2012	4	27	19	V	0.05	0	4.8	87
180970057	2012	4	27	20	V	0.03	0	5.31	82
180970057	2012	4	27	21	V	0.03	0	5.96	90
180970057	2012	4	27	22	V	0.03	0	5.55	97
180970057	2012	4	27	23	V	0.03	0	5.84	94
180970057	2012	4	27	24	V	0.03	0.1	5.56	94

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	28	1	V	0.02	2.7	5.82	93
180970057	2012	4	28	2	V	0.02	0.9	6.69	90
180970057	2012	4	28	3	V	0.02	1.6	7.14	101
180970057	2012	4	28	4	V	0.03	0.9	5.41	96
180970057	2012	4	28	5	V	0.02	0	7.14	89
180970057	2012	4	28	6	V	0.05	0	8.67	92
180970057	2012	4	28	7	V	0.06	0	8.39	99
180970057	2012	4	28	8	V	0.07	0	6.74	116
180970057	2012	4	28	9	V	0.09	0	5.7	113
180970057	2012	4	28	10	V	8.4	0.2	5.24	55
180970057	2012	4	28	11	V	0.2	0	6.43	68
180970057	2012	4	28	12	V	0.06	0	7.01	82
180970057	2012	4	28	13	V	0.05	0	6.94	91
180970057	2012	4	28	14	V	0.05	0	7.08	92
180970057	2012	4	28	15	V	0.06	0.2	5.85	84
180970057	2012	4	28	16	V	0.06	0	5.55	81
180970057	2012	4	28	17	V	0.2	0	5.46	64
180970057	2012	4	28	18	V	0.04	0	5.41	77
180970057	2012	4	28	19	V	0.04	0	5.43	72
180970057	2012	4	28	20	V	0.3	0	5.82	57
180970057	2012	4	28	21	V	0.2	0	4.37	62
180970057	2012	4	28	22	V	0.08	0	4.37	79
180970057	2012	4	28	23	V	0.07	0	4.56	88
180970057	2012	4	28	24	V	0.07	0	4.39	81
180970057	2012	4	29	1	V	0.04	0	5.24	69
180970057	2012	4	29	2	V	0.2	0	5.38	60
180970057	2012	4	29	3	V	0.02	0	5.99	70
180970057	2012	4	29	4	V	0.03	0	5.63	70
180970057	2012	4	29	5	V	0.06	0	4.39	72
180970057	2012	4	29	6	V	0.1	0	4.12	82
180970057	2012	4	29	7	V	0.3	0	4.19	73
180970057	2012	4	29	8	V	0.1	0	5	80
180970057	2012	4	29	9	V	0.1	0	4.56	89
180970057	2012	4	29	10	V	0.2	0	5.16	89
180970057	2012	4	29	11	V	0.1	0	5.07	83
180970057	2012	4	29	12	V	0.1	0	5	91
180970057	2012	4	29	13	V	0.1	0	5.77	87
180970057	2012	4	29	14	V	0.09	0	5.72	79
180970057	2012	4	29	15	V	0.09	0	6.26	102
180970057	2012	4	29	16	V	0.07	0.3	5.41	97
180970057	2012	4	29	17	V	0.05	0.1	5.02	93
180970057	2012	4	29	18	V	0.04	0	5.46	101
180970057	2012	4	29	19	V	0.05	0	5.12	97
180970057	2012	4	29	20	V	0.1	0	3.76	87
180970057	2012	4	29	21	V	0.09	0	4	99
180970057	2012	4	29	22	V	0.09	0.7	3.85	103

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	4	29	23	V	0.08	-999	4.19	105
180970057	2012	4	29	24	V	0.07	0.9	4.53	108
180970057	2012	4	30	1	V	0.07	2.4	3.35	114
180970057	2012	4	30	2	V	0.07	2.5	3.17	124
180970057	2012	4	30	3	V	0.06	2.1	2.71	120
180970057	2012	4	30	4	V	0.06	1	2.62	132
180970057	2012	4	30	5	V	0.2	0.5	3.35	144
180970057	2012	4	30	6	V	0.3	0.1	3.37	156
180970057	2012	4	30	7	V	1.9	0.1	3.22	168
180970057	2012	4	30	8	V	44.1	1	2.04	178
180970057	2012	4	30	9	V	59.2	8.8	2.06	181
180970057	2012	4	30	10	V	58.6	16.9	3.32	192
180970057	2012	4	30	11	V	24.5	35.8	3.83	191
180970057	2012	4	30	12	V	22.2	17.2	4.09	194
180970057	2012	4	30	13	V	2.7	17	5.68	208
180970057	2012	4	30	14	V	0.08	4.2	8.91	227
180970057	2012	4	30	15	V	0.05	2.5	8.08	219
180970057	2012	4	30	16	V	10.7	5.8	8.59	201
180970057	2012	4	30	17	V	0.06	0.9	7.26	281
180970057	2012	4	30	18	V	0.05	0	2.9	298
180970057	2012	4	30	19	V	0.1	0	1.65	290
180970057	2012	4	30	20	V	1.1	0	1.43	255
180970057	2012	4	30	21	V	0.1	0	1.94	217
180970057	2012	4	30	22	V	0.8	0	3.3	208
180970057	2012	4	30	23	V	0.8	0	3.39	242
180970057	2012	4	30	24	V	0.8	0	3.4	247
180970057	2012	5	1	1	V	0.7	0	3.34	275
180970057	2012	5	1	2	V	0.1	0	2.91	285
180970057	2012	5	1	3	V	1.3	0	1.55	275
180970057	2012	5	1	4	V	0.2	0	2.15	283
180970057	2012	5	1	5	V	1.1	0	1.59	269
180970057	2012	5	1	6	V	3.7	0	1.2	258
180970057	2012	5	1	7	V	67.0	0	1.86	187
180970057	2012	5	1	8	V	4.4	0	1.57	129
180970057	2012	5	1	9	V	2.4	0.3	2.42	112
180970057	2012	5	1	10	V	0.5	-999	3.78	139
180970057	2012	5	1	11	V	0.2	1.1	4.65	135
180970057	2012	5	1	12	V	0.6	0.1	2.83	145
180970057	2012	5	1	13	V	0.9	0.4	3.85	69
180970057	2012	5	1	14	V	0.2	0.2	4.2	114
180970057	2012	5	1	15	V	0.2	0.2	4.19	101
180970057	2012	5	1	16	V	4.1	0	4.19	35
180970057	2012	5	1	17	V	0.8	0.8	4.42	62
180970057	2012	5	1	18	V	0.08	0.4	4.26	104
180970057	2012	5	1	19	V	0.08	0	3.61	90
180970057	2012	5	1	20	V	0.07	0	3.37	119

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	1	21	V	0.07	0	3.27	96
180970057	2012	5	1	22	V	0.07	0	2.54	135
180970057	2012	5	1	23	V	2.2	0	4.78	181
180970057	2012	5	1	24	V	0.3	0.1	4.27	177
180970057	2012	5	2	1	V	0.04	0	3.47	171
180970057	2012	5	2	2	V	0.04	0	3.24	176
180970057	2012	5	2	3	V	0.04	0	2.88	172
180970057	2012	5	2	4	V	1.9	0	3.81	182
180970057	2012	5	2	5	V	0.3	0	2.98	174
180970057	2012	5	2	6	V	59.9	0	3.39	195
180970057	2012	5	2	7	V	20.3	2.4	4.48	204
180970057	2012	5	2	8	V	1.9	2.5	4.9	215
180970057	2012	5	2	9	V	0.2	2.2	7.3	223
180970057	2012	5	2	10	V	0.2	1.8	9.13	231
180970057	2012	5	2	11	V	0.3	1.7	10.05	241
180970057	2012	5	2	12	V	0.3	1.4	9.59	240
180970057	2012	5	2	13	V	0.3	1.1	9.75	242
180970057	2012	5	2	14	V	0.3	0.8	10.56	239
180970057	2012	5	2	15	V	0.3	0.6	7.96	244
180970057	2012	5	2	16	V	0.3	0.5	7.78	235
180970057	2012	5	2	17	V	0.1	0.5	7.43	224
180970057	2012	5	2	18	V	0.09	1.9	7.31	212
180970057	2012	5	2	19	V	0.4	2.5	5.87	208
180970057	2012	5	2	20	V	41.8	1.3	4.24	197
180970057	2012	5	2	21	V	0.08	5.2	3.59	176
180970057	2012	5	2	22	V	0.05	1.3	3.4	161
180970057	2012	5	2	23	V	0.06	0.6	4.56	167
180970057	2012	5	2	24	V	1.5	0.9	4.32	178
180970057	2012	5	3	1	V	0.3	0.9	3.13	177
180970057	2012	5	3	2	V	0.07	1.1	2.5	159
180970057	2012	5	3	3	V	0.1	1.3	2.08	139
180970057	2012	5	3	4	V	0.04	0.4	3.35	170
180970057	2012	5	3	5	V	0.1	0.3	2.56	163
180970057	2012	5	3	6	V	23.9	0.4	2.73	176
180970057	2012	5	3	7	V	4.7	1.5	2.4	163
180970057	2012	5	3	8	V	15.6	7.6	3.34	176
180970057	2012	5	3	9	V	8.6	9.1	5.17	208
180970057	2012	5	3	10	V	0.9	5.4	6.23	219
180970057	2012	5	3	11	V	6.8	7.7	5.85	209
180970057	2012	5	3	12	V	4.0	7.9	7.3	211
180970057	2012	5	3	13	V	0.4	5.6	7.81	220
180970057	2012	5	3	14	V	2.0	3.1	7.88	213
180970057	2012	5	3	15	V	2.0	2.2	8.18	212
180970057	2012	5	3	16	V	0.1	2	8.22	222
180970057	2012	5	3	17	V	6.4	1.6	7.98	205
180970057	2012	5	3	18	V	5.2	8.6	7.81	201

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	3	19	V	13.4	49.4	9.2	188
180970057	2012	5	3	20	V	10.7	11	7.91	197
180970057	2012	5	3	21	V	13.7	3.3	5.96	197
180970057	2012	5	3	22	V	56.9	1.2	3.64	195
180970057	2012	5	3	23	V	0.3	1	3.68	208
180970057	2012	5	3	24	V	9.8	0.4	3.91	200
180970057	2012	5	4	1	V	0.4	0.2	3.4	207
180970057	2012	5	4	2	V	35.8	0.4	3.2	194
180970057	2012	5	4	3	V	4.1	0.3	3.18	203
180970057	2012	5	4	4	V	0.1	0	3.92	213
180970057	2012	5	4	5	V	2.2	0	3.68	210
180970057	2012	5	4	6	V	0.8	0	3.39	220
180970057	2012	5	4	7	V	0.3	0.5	4.2	224
180970057	2012	5	4	8	V	12.0	4.5	4.9	206
180970057	2012	5	4	9	V	1.2	12.8	5.17	212
180970057	2012	5	4	10	V	0.2	4.1	4.75	221
180970057	2012	5	4	11	V	0.2	2.7	6.07	229
180970057	2012	5	4	12	V	42.1	4.9	5.68	191
180970057	2012	5	4	13	V	5.5	3.4	3.03	167
180970057	2012	5	4	14	V	0.3	10.5	5.48	256
180970057	2012	5	4	15	V	0.4	2.4	5.46	247
180970057	2012	5	4	16	V	27.0	1.5	4.34	199
180970057	2012	5	4	17	V	14.6	8.9	4.22	202
180970057	2012	5	4	18	V	0.1	1.9	3.32	218
180970057	2012	5	4	19	V	0.3	0.9	4.39	211
180970057	2012	5	4	20	V	0.8	0.6	4.27	244
180970057	2012	5	4	21	V	0.8	0.2	2.69	264
180970057	2012	5	4	22	V	0.07	0	3.13	345
180970057	2012	5	4	23	V	0.09	0	2.71	17
180970057	2012	5	4	24	V	6.4	0	1.31	35
180970057	2012	5	5	1	V	0.07	0	2.62	76
180970057	2012	5	5	2	V	77.0	0	1.76	188
180970057	2012	5	5	3	V	0.6	0	1.42	327
180970057	2012	5	5	4	V	0.4	0	1.64	311
180970057	2012	5	5	5	V	0.2	0	2.55	339
180970057	2012	5	5	6	V	1.9	0	2.35	12
180970057	2012	5	5	7	V	3.8	0.2	3.64	31
180970057	2012	5	5	8	V	16.4	0.9	3.15	50
180970057	2012	5	5	9	V	10.1	4.3	3.46	38
180970057	2012	5	5	10	V	6.1	3.8	2.45	30
180970057	2012	5	5	11	V	5.0	7.4	1.76	29
180970057	2012	5	5	12	V	3.9	4.2	1.93	19
180970057	2012	5	5	13	V	4.0	2.4	1.99	26
180970057	2012	5	5	14	V	7.9	1.5	3.2	47
180970057	2012	5	5	15	V	4.8	1.7	4.32	32
180970057	2012	5	5	16	V	2.6	2.3	4.83	29

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	5	17	V	12.6	2.1	4.78	43
180970057	2012	5	5	18	V	1.2	1	5.17	51
180970057	2012	5	5	19	V	0.5	0.3	5.17	54
180970057	2012	5	5	20	V	0.03	0	5.19	72
180970057	2012	5	5	21	V	0.06	0	3.93	86
180970057	2012	5	5	22	V	0.05	0	3.37	89
180970057	2012	5	5	23	V	0.05	0	3.29	91
180970057	2012	5	5	24	V	0.05	0	3.88	88
180970057	2012	5	6	1	V	0.04	0	4.41	76
180970057	2012	5	6	2	V	0.04	0	4.07	83
180970057	2012	5	6	3	V	0.04	0	3.68	88
180970057	2012	5	6	4	V	0.03	0	3.2	94
180970057	2012	5	6	5	V	0.1	0	3.18	100
180970057	2012	5	6	6	V	1.7	0	2.1	94
180970057	2012	5	6	7	V	1.2	0	3.1	82
180970057	2012	5	6	8	V	0.4	0	3.74	79
180970057	2012	5	6	9	V	0.3	1.3	4.02	101
180970057	2012	5	6	10	V	0.4	4.7	4.36	114
180970057	2012	5	6	11	V	0.4	4	4.36	118
180970057	2012	5	6	12	V	3.1	3.7	4.36	166
180970057	2012	5	6	13	V	1.1	3.1	2.86	137
180970057	2012	5	6	14	M	-999	2.2	2.36	999
180970057	2012	5	6	15	V	0.2	1.4	4.36	119
180970057	2012	5	6	16	V	0.4	1	3.86	136
180970057	2012	5	6	17	V	0.2	0.5	2.86	128
180970057	2012	5	6	18	V	3.7	0.3	4.36	179
180970057	2012	5	6	19	V	0.09	0.7	3.86	136
180970057	2012	5	6	20	V	0.1	0.5	2.36	129
180970057	2012	5	6	21	V	0.08	0.5	3.83	22
180970057	2012	5	6	22	V	1.4	0.1	2.55	55
180970057	2012	5	6	23	V	80.5	-999	1.01	202
180970057	2012	5	6	24	V	0.08	1.3	2.45	163
180970057	2012	5	7	1	V	0.09	1.5	2.47	134
180970057	2012	5	7	2	V	0.05	1.3	3.01	142
180970057	2012	5	7	3	V	0.2	0.7	1.91	132
180970057	2012	5	7	4	V	0.06	0.5	2.73	136
180970057	2012	5	7	5	V	0.2	0.5	3.92	159
180970057	2012	5	7	6	V	52.4	0.2	3.57	188
180970057	2012	5	7	7	V	0.2	0.7	4.65	349
180970057	2012	5	7	8	V	0.2	0.2	4.07	13
180970057	2012	5	7	9	V	14.0	1.7	5.09	50
180970057	2012	5	7	10	V	13.0	4.2	4.37	50
180970057	2012	5	7	11	V	7.9	2.8	1.77	37
180970057	2012	5	7	12	V	0.4	3	3.63	115
180970057	2012	5	7	13	V	1.8	2.3	4.2	165
180970057	2012	5	7	14	V	0.9	3.3	4.36	220

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	7	15	V	0.3	1.9	5.34	255
180970057	2012	5	7	16	V	0.2	0.9	5.75	279
180970057	2012	5	7	17	V	0.04	0.4	7.65	304
180970057	2012	5	7	18	V	0.04	0	4.88	308
180970057	2012	5	7	19	V	0.07	0	2.59	350
180970057	2012	5	7	20	V	0.08	0	4.1	350
180970057	2012	5	7	21	V	0.09	0	4.02	339
180970057	2012	5	7	22	V	0.09	0	3.37	342
180970057	2012	5	7	23	V	0.09	0	4.02	334
180970057	2012	5	7	24	V	0.06	0	4.85	331
180970057	2012	5	8	1	V	0.03	0	6.11	337
180970057	2012	5	8	2	V	0.05	0	5.17	338
180970057	2012	5	8	3	V	0.06	0	3.81	333
180970057	2012	5	8	4	V	0.02	0	3.1	317
180970057	2012	5	8	5	V	0.07	0	3.44	305
180970057	2012	5	8	6	V	0.2	0	3.73	320
180970057	2012	5	8	7	V	0.5	0	3.29	312
180970057	2012	5	8	8	V	0.3	0	3.23	327
180970057	2012	5	8	9	V	0.4	0.2	3.07	313
180970057	2012	5	8	10	V	0.7	0.3	2.84	298
180970057	2012	5	8	11	V	0.5	0.5	3.18	263
180970057	2012	5	8	12	V	0.3	0.1	4.94	269
180970057	2012	5	8	13	V	0.2	0	6.06	280
180970057	2012	5	8	14	V	0.2	0	6.31	291
180970057	2012	5	8	15	V	0.1	0	7.01	286
180970057	2012	5	8	16	V	0.1	0	6.38	290
180970057	2012	5	8	17	V	0.1	0	5.84	276
180970057	2012	5	8	18	V	0.07	0	5.19	288
180970057	2012	5	8	19	V	0.03	0	5.36	314
180970057	2012	5	8	20	V	0.06	0	4.05	325
180970057	2012	5	8	21	V	0.09	0	2.18	338
180970057	2012	5	8	22	V	1.2	0	1.13	310
180970057	2012	5	8	23	V	1.0	0.3	1.47	269
180970057	2012	5	8	24	V	0.7	0.2	1.96	251
180970057	2012	5	9	1	V	0.3	0.1	2.18	240
180970057	2012	5	9	2	V	0.2	0	2.98	243
180970057	2012	5	9	3	V	0.4	0	2.81	251
180970057	2012	5	9	4	V	0.2	0	2.78	246
180970057	2012	5	9	5	V	0.4	0	2.79	243
180970057	2012	5	9	6	V	0.6	0	2.95	249
180970057	2012	5	9	7	V	1.0	0.4	2.59	252
180970057	2012	5	9	8	V	0.3	0.2	3.63	284
180970057	2012	5	9	9	V	0.4	0.1	4.02	307
180970057	2012	5	9	10	V	0.3	0	4.95	300
180970057	2012	5	9	11	V	0.2	0	6.04	288
180970057	2012	5	9	12	V	0.1	0	7.69	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	9	13	V	0.2	0	6.55	294
180970057	2012	5	9	14	V	0.2	0	5.92	305
180970057	2012	5	9	15	V	0.1	0	6.41	305
180970057	2012	5	9	16	V	0.1	0	6.36	318
180970057	2012	5	9	17	V	0.08	0	5.92	327
180970057	2012	5	9	18	V	0.03	0	6.11	348
180970057	2012	5	9	19	V	0.06	0	3.83	326
180970057	2012	5	9	20	V	0.07	0	2.76	307
180970057	2012	5	9	21	V	0.08	0	2.74	311
180970057	2012	5	9	22	V	0.05	0	3.63	339
180970057	2012	5	9	23	V	0.04	0	3.92	349
180970057	2012	5	9	24	V	0.05	0	2.79	329
180970057	2012	5	10	1	V	0.06	0	2.81	309
180970057	2012	5	10	2	V	0.08	0	2.59	299
180970057	2012	5	10	3	V	0.03	0	3.15	304
180970057	2012	5	10	4	V	0.03	0	3.74	312
180970057	2012	5	10	5	V	0.2	0	2.95	325
180970057	2012	5	10	6	V	1.1	0.2	2.44	308
180970057	2012	5	10	7	V	1.3	0.4	2.35	315
180970057	2012	5	10	8	V	1.1	0.8	2.5	322
180970057	2012	5	10	9	V	2.2	0.8	1.96	329
180970057	2012	5	10	10	V	1.0	0.8	2.76	317
180970057	2012	5	10	11	V	0.4	0.6	4.76	317
180970057	2012	5	10	12	V	0.2	0.5	5.94	320
180970057	2012	5	10	13	V	0.2	0.2	5.58	319
180970057	2012	5	10	14	V	0.1	0.2	6.16	327
180970057	2012	5	10	15	V	0.1	0.1	5.9	322
180970057	2012	5	10	16	V	0.1	0.2	5.44	319
180970057	2012	5	10	17	V	0.1	0.1	5.77	324
180970057	2012	5	10	18	V	0.03	0.1	5.34	327
180970057	2012	5	10	19	V	0.04	0.4	4.48	335
180970057	2012	5	10	20	V	0.04	0.7	3.12	335
180970057	2012	5	10	21	V	0.1	0.6	2.35	336
180970057	2012	5	10	22	V	0.05	1	2.98	351
180970057	2012	5	10	23	V	0.04	0.5	3.18	7
180970057	2012	5	10	24	V	0.2	0.4	2.11	23
180970057	2012	5	11	1	V	0.8	0.3	1.31	4
180970057	2012	5	11	2	V	4.8	0.1	0.74	304
180970057	2012	5	11	3	V	1.1	0.2	1.11	339
180970057	2012	5	11	4	V	0.6	0.3	1.38	12
180970057	2012	5	11	5	V	3.1	0.4	2.23	32
180970057	2012	5	11	6	V	14.7	1.1	2.38	44
180970057	2012	5	11	7	V	8.6	1.9	1.93	69
180970057	2012	5	11	8	V	1.1	1.5	2.67	109
180970057	2012	5	11	9	V	1.9	1.3	3.2	157
180970057	2012	5	11	10	V	4.4	1.8	3.03	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	11	11	V	8.2	2.4	2.71	182
180970057	2012	5	11	12	V	5.4	27.6	2.01	206
180970057	2012	5	11	13	V	5.3	37.1	2.27	217
180970057	2012	5	11	14	V	2.5	54.9	1.93	260
180970057	2012	5	11	15	V	3.7	36.6	1.96	232
180970057	2012	5	11	16	V	2.2	41.7	1.65	243
180970057	2012	5	11	17	V	0.5	34.9	2.11	240
180970057	2012	5	11	18	V	10.7	32.3	2.27	203
180970057	2012	5	11	19	V	0.07	20.8	3.03	163
180970057	2012	5	11	20	V	0.07	2	2.95	156
180970057	2012	5	11	21	V	0.08	0.9	3.17	171
180970057	2012	5	11	22	V	0.07	0.9	3.24	166
180970057	2012	5	11	23	V	1.1	0.8	1.62	259
180970057	2012	5	11	24	V	53.0	0.5	0.65	177
180970057	2012	5	12	1	V	80.6	0.4	1.5	198
180970057	2012	5	12	2	V	0.3	0.7	1.7	141
180970057	2012	5	12	3	V	0.1	0.5	1.96	120
180970057	2012	5	12	4	V	0.2	0.3	1.72	125
180970057	2012	5	12	5	V	0.3	0.4	2.01	153
180970057	2012	5	12	6	V	9.8	0.1	1.09	151
180970057	2012	5	12	7	V	3.2	0.3	1.52	136
180970057	2012	5	12	8	V	2.2	0.8	2.01	149
180970057	2012	5	12	9	V	22.0	73.1	2.52	185
180970057	2012	5	12	10	V	10.1	163.3	2.03	196
180970057	2012	5	12	11	V	4.1	209.2	2.83	217
180970057	2012	5	12	12	V	1.0	77.4	2.11	250
180970057	2012	5	12	13	V	0.7	36.7	2.32	129
180970057	2012	5	12	14	V	0.4	11	2.93	145
180970057	2012	5	12	15	V	0.5	2	2.39	143
180970057	2012	5	12	16	V	0.1	4.1	4.43	158
180970057	2012	5	12	17	V	0.08	2.9	4.34	157
180970057	2012	5	12	18	V	0.08	2.3	3.39	161
180970057	2012	5	12	19	V	23.7	1.9	2.74	186
180970057	2012	5	12	20	V	69.5	2	2.42	195
180970057	2012	5	12	21	V	0.3	2.7	2.03	224
180970057	2012	5	12	22	V	1.4	2	1.94	208
180970057	2012	5	12	23	V	0.4	-999	1.57	310
180970057	2012	5	12	24	V	0.7	1.1	1.25	89
180970057	2012	5	13	1	V	0.7	0.7	1.33	324
180970057	2012	5	13	2	V	2.5	0.7	1.04	263
180970057	2012	5	13	3	V	1.7	0.8	1.04	290
180970057	2012	5	13	4	V	0.9	0.6	1.18	341
180970057	2012	5	13	5	V	1.0	0.2	1.5	10
180970057	2012	5	13	6	V	14.9	0	2.15	43
180970057	2012	5	13	7	V	10.9	0.1	2.05	29
180970057	2012	5	13	8	V	3.1	0.2	2.66	24

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	13	9	V	5.2	1.6	2.15	22
180970057	2012	5	13	10	V	4.6	15.3	1.86	81
180970057	2012	5	13	11	V	1.8	10.3	2.42	96
180970057	2012	5	13	12	V	0.8	4.5	2.84	112
180970057	2012	5	13	13	V	0.3	2.9	4.63	113
180970057	2012	5	13	14	V	0.3	2.3	4.31	115
180970057	2012	5	13	15	V	0.2	1.8	4.71	115
180970057	2012	5	13	16	V	0.2	1.7	5.33	120
180970057	2012	5	13	17	V	0.1	1.1	5.34	121
180970057	2012	5	13	18	V	0.04	0.5	5.7	118
180970057	2012	5	13	19	V	0.04	0.4	5.36	111
180970057	2012	5	13	20	V	0.06	0.4	4.65	113
180970057	2012	5	13	21	V	0.08	0.2	3.42	112
180970057	2012	5	13	22	V	0.06	0	3.52	109
180970057	2012	5	13	23	V	0.08	0	2.56	107
180970057	2012	5	13	24	V	0.06	0	3.1	91
180970057	2012	5	14	1	V	0.06	0	2.61	97
180970057	2012	5	14	2	V	0.05	0	2.84	101
180970057	2012	5	14	3	V	0.7	0	1.18	72
180970057	2012	5	14	4	V	10.7	0	1.91	41
180970057	2012	5	14	5	V	13.8	0	2.69	44
180970057	2012	5	14	6	V	13.2	0	2.27	43
180970057	2012	5	14	7	V	4.4	0	2.57	19
180970057	2012	5	14	8	V	4.0	0	2.32	29
180970057	2012	5	14	9	V	4.3	0	3.63	32
180970057	2012	5	14	10	V	1.7	0.3	4.25	18
180970057	2012	5	14	11	V	3.4	6.3	2.84	38
180970057	2012	5	14	12	V	4.2	2.4	3.46	43
180970057	2012	5	14	13	V	1.6	3	3.18	8
180970057	2012	5	14	14	V	2.8	1.4	2.3	25
180970057	2012	5	14	15	V	2.4	0.4	2.32	10
180970057	2012	5	14	16	V	1.1	0.2	2.44	352
180970057	2012	5	14	17	V	0.4	0.2	3.3	342
180970057	2012	5	14	18	V	0.07	0	3	339
180970057	2012	5	14	19	V	0.05	0	3.46	343
180970057	2012	5	14	20	V	0.1	0	2.35	352
180970057	2012	5	14	21	V	0.1	0.1	2.3	336
180970057	2012	5	14	22	V	0.06	0.3	2.44	336
180970057	2012	5	14	23	V	0.03	0.3	4.49	347
180970057	2012	5	14	24	V	0.03	0.1	3.8	357
180970057	2012	5	15	1	V	0.03	0	3.08	20
180970057	2012	5	15	2	V	0.05	0	2.49	11
180970057	2012	5	15	3	V	0.4	0	1.43	337
180970057	2012	5	15	4	V	5.3	0	0.94	25
180970057	2012	5	15	5	V	0.7	0.4	1.6	291
180970057	2012	5	15	6	V	2.7	1	1.7	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	15	7	V	19.5	1.6	0.99	253
180970057	2012	5	15	8	V	4.6	2.1	1.67	266
180970057	2012	5	15	9	V	3.6	7.7	1.55	225
180970057	2012	5	15	10	V	3.1	8.3	1.77	275
180970057	2012	5	15	11	V	0.9	2.6	3.32	321
180970057	2012	5	15	12	V	1.1	0.9	3.01	313
180970057	2012	5	15	13	V	0.8	0.7	3.46	294
180970057	2012	5	15	14	V	0.6	0.8	3.98	266
180970057	2012	5	15	15	V	0.6	0.8	3.78	284
180970057	2012	5	15	16	V	0.7	0.8	3.4	267
180970057	2012	5	15	17	V	0.5	1.1	3.4	250
180970057	2012	5	15	18	V	0.8	1	3.98	244
180970057	2012	5	15	19	V	0.5	1.5	4.61	208
180970057	2012	5	15	20	V	1.0	3.3	4.37	207
180970057	2012	5	15	21	V	5.3	2.5	3.73	203
180970057	2012	5	15	22	V	0.3	4.3	3.47	209
180970057	2012	5	15	23	V	0.1	1.4	3.59	222
180970057	2012	5	15	24	V	0.5	4	3.46	232
180970057	2012	5	16	1	V	0.06	2.1	3.69	221
180970057	2012	5	16	2	V	0.1	1.4	3.63	228
180970057	2012	5	16	3	V	0.1	1.4	3.76	227
180970057	2012	5	16	4	V	0.08	2.1	3.83	226
180970057	2012	5	16	5	V	0.1	3.2	3.93	222
180970057	2012	5	16	6	V	0.1	4	4	227
180970057	2012	5	16	7	V	0.4	6.1	3.98	232
180970057	2012	5	16	8	V	0.7	5.4	3.63	243
180970057	2012	5	16	9	V	0.4	4	4.51	278
180970057	2012	5	16	10	V	0.5	2.4	4.12	315
180970057	2012	5	16	11	V	0.3	1.3	5.33	330
180970057	2012	5	16	12	V	0.3	0.9	5.55	1
180970057	2012	5	16	13	V	0.4	0.6	5.72	13
180970057	2012	5	16	14	V	0.3	0.2	6.19	13
180970057	2012	5	16	15	V	0.3	0.1	5.7	14
180970057	2012	5	16	16	V	0.2	1.3	5.65	12
180970057	2012	5	16	17	V	0.6	0	4.82	23
180970057	2012	5	16	18	V	0.06	0	4.9	15
180970057	2012	5	16	19	V	0.03	0	5.11	14
180970057	2012	5	16	20	V	0.06	0	4.09	21
180970057	2012	5	16	21	V	0.04	0	4.71	14
180970057	2012	5	16	22	V	0.04	0	4.56	19
180970057	2012	5	16	23	V	0.03	0	5	17
180970057	2012	5	16	24	V	0.03	0.1	5.07	11
180970057	2012	5	17	1	V	0.03	0	4.59	24
180970057	2012	5	17	2	V	0.04	0	4.14	31
180970057	2012	5	17	3	V	0.1	5.5	3.88	36
180970057	2012	5	17	4	V	0.3	2.2	3.61	38

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	17	5	V	9.1	0.6	2.86	55
180970057	2012	5	17	6	V	1.4	0.2	3.22	72
180970057	2012	5	17	7	V	0.5	0.7	3.93	84
180970057	2012	5	17	8	V	0.3	0.9	4.56	91
180970057	2012	5	17	9	V	0.2	0.7	5.67	93
180970057	2012	5	17	10	V	0.2	0.2	6.36	91
180970057	2012	5	17	11	V	0.3	0.2	5.39	90
180970057	2012	5	17	12	V	0.5	0.1	5.36	80
180970057	2012	5	17	13	V	0.4	0	5	87
180970057	2012	5	17	14	V	0.4	0	4.66	85
180970057	2012	5	17	15	V	0.9	0	4.31	78
180970057	2012	5	17	16	V	1.1	0	4.37	74
180970057	2012	5	17	17	V	0.2	0	4.8	101
180970057	2012	5	17	18	V	0.07	0	4.49	96
180970057	2012	5	17	19	V	0.05	0	4.32	87
180970057	2012	5	17	20	V	0.06	0	4.07	90
180970057	2012	5	17	21	V	0.05	0	3.29	94
180970057	2012	5	17	22	V	0.05	0	3.39	91
180970057	2012	5	17	23	V	0.05	0	2.91	89
180970057	2012	5	17	24	V	0.08	0.2	2.76	94
180970057	2012	5	18	1	V	0.07	0	2.78	83
180970057	2012	5	18	2	V	0.05	0	2.84	81
180970057	2012	5	18	3	V	0.07	0	2.54	83
180970057	2012	5	18	4	V	0.05	0	2.66	82
180970057	2012	5	18	5	V	0.3	0.2	2.86	76
180970057	2012	5	18	6	V	2.0	0.2	2.62	75
180970057	2012	5	18	7	V	1.5	1.2	3.08	92
180970057	2012	5	18	8	V	0.7	3	3.42	112
180970057	2012	5	18	9	V	0.6	2.7	3.76	117
180970057	2012	5	18	10	V	1.0	3.2	3.12	119
180970057	2012	5	18	11	V	2.5	3.7	2.18	126
180970057	2012	5	18	12	V	2.7	2.6	2.11	132
180970057	2012	5	18	13	V	2.3	1.7	2.23	140
180970057	2012	5	18	14	V	1.3	1.4	2.62	124
180970057	2012	5	18	15	V	0.8	1.4	2.95	128
180970057	2012	5	18	16	V	0.6	1.8	3.18	125
180970057	2012	5	18	17	V	0.3	1.7	3.32	144
180970057	2012	5	18	18	V	0.07	1	3.69	136
180970057	2012	5	18	19	V	0.05	0.5	3.85	129
180970057	2012	5	18	20	V	0.05	0.9	3.12	140
180970057	2012	5	18	21	V	0.1	2.7	2.27	145
180970057	2012	5	18	22	V	0.07	2.7	2.91	116
180970057	2012	5	18	23	V	0.05	1.1	3.47	126
180970057	2012	5	18	24	V	0.05	1.1	3.66	140
180970057	2012	5	19	1	V	0.05	0.9	3.13	140
180970057	2012	5	19	2	V	0.1	0.7	2.47	117

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	19	3	V	0.2	1	1.94	102
180970057	2012	5	19	4	V	0.2	0.7	1.82	68
180970057	2012	5	19	5	V	1.9	0.7	1.84	73
180970057	2012	5	19	6	V	5.9	1	1.6	83
180970057	2012	5	19	7	V	4.2	2.5	1.96	108
180970057	2012	5	19	8	V	1.8	3.4	2.35	121
180970057	2012	5	19	9	V	2.9	1.9	2.83	155
180970057	2012	5	19	10	V	2.1	1.4	2.91	150
180970057	2012	5	19	11	V	5.6	1	2.89	169
180970057	2012	5	19	12	V	2.2	2.9	2.55	144
180970057	2012	5	19	13	V	5.6	2.3	2.49	175
180970057	2012	5	19	14	V	1.4	7.8	3.18	148
180970057	2012	5	19	15	V	7.8	28	2.69	178
180970057	2012	5	19	16	V	5.9	4.9	2.78	167
180970057	2012	5	19	17	V	17.3	8	2.61	196
180970057	2012	5	19	18	V	41.6	10	2.66	186
180970057	2012	5	19	19	V	0.06	3	3.49	160
180970057	2012	5	19	20	V	0.06	0.9	3.08	175
180970057	2012	5	19	21	V	0.05	0.5	3.25	171
180970057	2012	5	19	22	V	0.1	0.4	3.49	177
180970057	2012	5	19	23	V	0.05	-999	3.66	139
180970057	2012	5	19	24	V	0.05	0.4	3.78	140
180970057	2012	5	20	1	V	0.05	0.2	3.56	140
180970057	2012	5	20	2	V	0.09	0.1	2.62	164
180970057	2012	5	20	3	V	103.3	0	1.38	187
180970057	2012	5	20	4	V	0.7	0	1.38	124
180970057	2012	5	20	5	V	0.7	0	2.1	126
180970057	2012	5	20	6	V	2.1	0	2.16	122
180970057	2012	5	20	7	V	3.5	0	2.08	139
180970057	2012	5	20	8	V	8.7	1.2	2.23	175
180970057	2012	5	20	9	V	8.7	12	1.74	176
180970057	2012	5	20	10	V	4.3	13.4	1.45	203
180970057	2012	5	20	11	V	3.8	52.7	1.42	178
180970057	2012	5	20	12	V	2.9	53.6	1.89	175
180970057	2012	5	20	13	V	2.7	42.2	1.96	205
180970057	2012	5	20	14	V	2.8	3.6	1.94	171
180970057	2012	5	20	15	V	5.2	20	2.73	167
180970057	2012	5	20	16	V	10.4	37.5	3.03	184
180970057	2012	5	20	17	V	0.2	2.8	5.26	162
180970057	2012	5	20	18	V	0.2	0.8	3.91	139
180970057	2012	5	20	19	V	0.07	0.5	4.02	136
180970057	2012	5	20	20	V	0.09	0.7	3.35	165
180970057	2012	5	20	21	V	0.1	0.6	3.93	156
180970057	2012	5	20	22	V	0.09	0.6	3.98	152
180970057	2012	5	20	23	V	3.3	1.1	3.64	180
180970057	2012	5	20	24	V	0.5	2.6	7.48	272

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	21	1	V	0.03	0	6.35	300
180970057	2012	5	21	2	V	0.1	0	3.61	340
180970057	2012	5	21	3	V	0.6	0	2.73	36
180970057	2012	5	21	4	V	2.3	0.9	2.38	39
180970057	2012	5	21	5	V	0.8	0.1	2.1	277
180970057	2012	5	21	6	V	0.5	0	4.08	266
180970057	2012	5	21	7	V	0.7	0	3.13	293
180970057	2012	5	21	8	V	3.3	0	1.99	299
180970057	2012	5	21	9	V	1.2	0	2.54	315
180970057	2012	5	21	10	V	0.7	0.1	3.27	330
180970057	2012	5	21	11	V	0.4	0	3.95	330
180970057	2012	5	21	12	V	0.3	0	4.95	336
180970057	2012	5	21	13	V	0.2	0	5.38	340
180970057	2012	5	21	14	V	0.2	0	5.21	357
180970057	2012	5	21	15	V	0.1	0	6.79	342
180970057	2012	5	21	16	V	0.1	0	7.84	341
180970057	2012	5	21	17	V	0.07	0	8.57	325
180970057	2012	5	21	18	V	0.03	0	7.98	324
180970057	2012	5	21	19	V	0.02	0	6.33	325
180970057	2012	5	21	20	V	0.03	0	6.02	329
180970057	2012	5	21	21	V	0.03	0	6.09	339
180970057	2012	5	21	22	V	0.03	0	5.5	341
180970057	2012	5	21	23	V	0.06	0	4.56	356
180970057	2012	5	21	24	V	0.04	0	4.61	354
180970057	2012	5	22	1	V	0.04	0	3.49	360
180970057	2012	5	22	2	V	0.04	0	2.79	355
180970057	2012	5	22	3	V	0.03	0	3.86	350
180970057	2012	5	22	4	V	0.04	0	4.15	351
180970057	2012	5	22	5	V	0.3	0	3.24	355
180970057	2012	5	22	6	V	0.7	0	3.49	357
180970057	2012	5	22	7	V	0.5	0	3.57	355
180970057	2012	5	22	8	V	0.4	0	4.2	6
180970057	2012	5	22	9	V	0.5	0	4.24	360
180970057	2012	5	22	10	V	0.7	0	4.1	7
180970057	2012	5	22	11	V	0.7	0	4.03	5
180970057	2012	5	22	12	V	2.2	0	3.22	19
180970057	2012	5	22	13	V	2.0	0	2.76	12
180970057	2012	5	22	14	V	1.7	0	2.98	10
180970057	2012	5	22	15	V	0.7	0	3.29	344
180970057	2012	5	22	16	V	0.6	0	3.25	327
180970057	2012	5	22	17	V	0.3	0	3.63	350
180970057	2012	5	22	18	V	0.1	0	3.1	354
180970057	2012	5	22	19	V	0.06	0	3.15	3
180970057	2012	5	22	20	V	0.06	0	3.1	21
180970057	2012	5	22	21	V	0.09	0	2.61	14
180970057	2012	5	22	22	V	0.2	0	2.05	29

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	22	23	V	0.1	0	2.18	354
180970057	2012	5	22	24	V	0.1	0	2.3	346
180970057	2012	5	23	1	V	0.1	0	2.01	352
180970057	2012	5	23	2	V	0.5	0	1.42	335
180970057	2012	5	23	3	V	1.6	0	1.01	347
180970057	2012	5	23	4	V	1.5	0	1.08	310
180970057	2012	5	23	5	V	1.9	0	1.18	315
180970057	2012	5	23	6	V	12.9	0.1	0.94	336
180970057	2012	5	23	7	V	17.4	0.4	1.91	53
180970057	2012	5	23	8	V	6.3	0.6	1.84	55
180970057	2012	5	23	9	V	5.7	0.6	1.5	121
180970057	2012	5	23	10	V	2.6	2.7	2.18	140
180970057	2012	5	23	11	V	8.3	3.3	2.25	182
180970057	2012	5	23	12	V	6.6	3.6	3.01	169
180970057	2012	5	23	13	V	0.9	1.3	3.3	144
180970057	2012	5	23	14	V	3.9	0.8	4.07	167
180970057	2012	5	23	15	V	5.9	2.2	3.68	170
180970057	2012	5	23	16	V	0.4	2.2	3.93	144
180970057	2012	5	23	17	V	1.6	0.4	4.63	170
180970057	2012	5	23	18	V	0.05	0	5.21	159
180970057	2012	5	23	19	V	27.0	6.5	4.97	188
180970057	2012	5	23	20	V	0.2	1.8	4.07	176
180970057	2012	5	23	21	V	0.06	0	3.32	173
180970057	2012	5	23	22	V	0.05	0	3.42	153
180970057	2012	5	23	23	V	0.05	0	3.9	147
180970057	2012	5	23	24	V	0.06	0	4.26	148
180970057	2012	5	24	1	V	0.04	0	4.15	147
180970057	2012	5	24	2	V	0.03	0	4.71	148
180970057	2012	5	24	3	V	0.03	0	4.68	144
180970057	2012	5	24	4	V	0.03	0	4.75	141
180970057	2012	5	24	5	V	0.2	0	4.29	144
180970057	2012	5	24	6	V	0.4	0	4.05	148
180970057	2012	5	24	7	V	1.0	0	3.56	149
180970057	2012	5	24	8	V	1.2	0.2	3.44	159
180970057	2012	5	24	9	V	1.1	0.8	3.68	158
180970057	2012	5	24	10	V	5.7	2.2	5.17	173
180970057	2012	5	24	11	V	13.2	3.6	7.54	182
180970057	2012	5	24	12	V	0.3	0.9	8.57	165
180970057	2012	5	24	13	V	4.0	0.2	8.64	175
180970057	2012	5	24	14	V	0.8	6.7	8.95	169
180970057	2012	5	24	15	V	2.2	5	8.57	173
180970057	2012	5	24	16	V	8.5	0.6	7.84	179
180970057	2012	5	24	17	V	6.3	2	8.06	179
180970057	2012	5	24	18	V	0.06	0	7.79	171
180970057	2012	5	24	19	V	0.02	0	7.94	170
180970057	2012	5	24	20	V	0.02	0	6.72	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	24	21	V	0.03	0.6	5.51	154
180970057	2012	5	24	22	V	0.02	1.6	5.97	152
180970057	2012	5	24	23	V	0.05	0.6	5.17	153
180970057	2012	5	24	24	V	0.05	0.5	4.95	159
180970057	2012	5	25	1	V	0.03	0.4	6.96	169
180970057	2012	5	25	2	V	0.04	0.6	5.36	159
180970057	2012	5	25	3	V	42.2	0.9	4.36	188
180970057	2012	5	25	4	V	28.7	4.3	5.36	196
180970057	2012	5	25	5	V	33.1	8.6	5.96	189
180970057	2012	5	25	6	V	46.8	8.1	4.36	188
180970057	2012	5	25	7	V	0.1	6.1	4.86	220
180970057	2012	5	25	8	V	0.1	4.2	5.96	217
180970057	2012	5	25	9	V	0.4	2.4	5.36	234
180970057	2012	5	25	10	V	0.6	2.5	4.86	241
180970057	2012	5	25	11	V	0.6	2.2	4.36	240
180970057	2012	5	25	12	V	1.3	1.7	2.86	263
180970057	2012	5	25	13	V	0.9	1.4	3.86	232
180970057	2012	5	25	14	V	4.9	2.5	5.36	212
180970057	2012	5	25	15	V	10.6	12.3	5.36	207
180970057	2012	5	25	16	M	-999	6.8	2.36	999
180970057	2012	5	25	17	V	38.4	2.3	4.86	194
180970057	2012	5	25	18	V	1.4	1.3	4.86	207
180970057	2012	5	25	19	V	0.1	2.5	4.86	212
180970057	2012	5	25	20	V	21.0	1.6	3.36	200
180970057	2012	5	25	21	V	0.1	0.9	2.36	168
180970057	2012	5	25	22	V	0.07	0.5	3.86	169
180970057	2012	5	25	23	V	0.2	0.2	1.76	117
180970057	2012	5	25	24	V	0.06	0.2	3.76	149
180970057	2012	5	26	1	V	0.2	0	2.5	177
180970057	2012	5	26	2	V	42.3	0	2.05	200
180970057	2012	5	26	3	V	6.5	0	1.21	212
180970057	2012	5	26	4	V	7.0	0	1.08	64
180970057	2012	5	26	5	V	11.2	0	1.45	60
180970057	2012	5	26	6	V	2.3	0	1.96	108
180970057	2012	5	26	7	V	1.7	0	2.42	132
180970057	2012	5	26	8	V	0.8	0.8	2.28	113
180970057	2012	5	26	9	V	6.4	4.3	1.74	197
180970057	2012	5	26	10	V	6.0	14.6	1.18	212
180970057	2012	5	26	11	V	7.5	62.7	1.59	201
180970057	2012	5	26	12	V	11.5	24.8	2.2	204
180970057	2012	5	26	13	V	0.5	3.2	4.44	148
180970057	2012	5	26	14	V	11.0	10.1	4.27	178
180970057	2012	5	26	15	V	6.5	9.8	4.66	173
180970057	2012	5	26	16	V	10.8	7.1	5.05	178
180970057	2012	5	26	17	V	16.9	3.4	5.45	182
180970057	2012	5	26	18	V	35.0	3.8	5.94	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	26	19	V	6.6	0.6	5.51	184
180970057	2012	5	26	20	V	67.3	0.6	3.17	189
180970057	2012	5	26	21	V	0.1	0.7	2.18	171
180970057	2012	5	26	22	V	0.09	0.5	2.66	142
180970057	2012	5	26	23	V	0.06	-999	3.2	154
180970057	2012	5	26	24	V	0.05	0.2	3.51	147
180970057	2012	5	27	1	V	0.08	0	2.64	162
180970057	2012	5	27	2	V	0.04	0	3.13	156
180970057	2012	5	27	3	V	0.4	0	1.38	149
180970057	2012	5	27	4	V	0.2	0	1.72	108
180970057	2012	5	27	5	V	0.8	0	1.82	119
180970057	2012	5	27	6	V	0.4	0	2.98	158
180970057	2012	5	27	7	V	34.2	1.4	3.39	184
180970057	2012	5	27	8	V	23.5	4.2	4.15	203
180970057	2012	5	27	9	V	0.7	2.6	4.22	224
180970057	2012	5	27	10	V	1.4	2.5	3.59	228
180970057	2012	5	27	11	V	7.5	1.4	3.32	216
180970057	2012	5	27	12	V	10.9	0.9	4.51	207
180970057	2012	5	27	13	V	5.1	4.3	6.31	212
180970057	2012	5	27	14	V	17.2	5.9	5.6	201
180970057	2012	5	27	15	V	5.9	6.3	5.94	211
180970057	2012	5	27	16	V	15.7	5.8	5.63	204
180970057	2012	5	27	17	V	13.7	7.9	5.72	204
180970057	2012	5	27	18	V	31.8	9.4	5.7	198
180970057	2012	5	27	19	V	4.7	2.2	5.41	183
180970057	2012	5	27	20	V	1.3	0.6	4.37	179
180970057	2012	5	27	21	V	0.07	0.7	3.57	168
180970057	2012	5	27	22	V	0.06	0.3	3.46	160
180970057	2012	5	27	23	V	0.06	0.2	4.36	165
180970057	2012	5	27	24	V	0.08	0.4	4.31	174
180970057	2012	5	28	1	V	2.0	0	4.07	181
180970057	2012	5	28	2	V	0.07	0.6	4.46	175
180970057	2012	5	28	3	V	0.2	2.1	4.78	178
180970057	2012	5	28	4	V	0.9	1.7	4.66	180
180970057	2012	5	28	5	V	11.9	1.4	3.91	180
180970057	2012	5	28	6	V	41.5	0.4	2.78	186
180970057	2012	5	28	7	V	42.0	1	2.52	188
180970057	2012	5	28	8	V	28.7	3.5	3.64	203
180970057	2012	5	28	9	V	3.0	6	4.61	221
180970057	2012	5	28	10	V	0.5	3.5	5.68	238
180970057	2012	5	28	11	V	0.4	1.6	6.6	232
180970057	2012	5	28	12	V	3.6	1.1	6.64	215
180970057	2012	5	28	13	V	2.3	0.4	7.11	215
180970057	2012	5	28	14	V	7.0	0.2	7.45	209
180970057	2012	5	28	15	V	6.8	0	6.7	210
180970057	2012	5	28	16	V	7.6	0.6	7.65	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	28	17	V	21.1	3.2	7.47	201
180970057	2012	5	28	18	V	0.5	5.1	7.4	209
180970057	2012	5	28	19	V	19.8	5	6.69	194
180970057	2012	5	28	20	V	0.3	16.8	5.46	176
180970057	2012	5	28	21	V	0.2	2.1	5.56	175
180970057	2012	5	28	22	V	1.6	6.3	5.67	180
180970057	2012	5	28	23	V	1.3	21.2	5.84	179
180970057	2012	5	28	24	V	1.6	45.8	5.73	181
180970057	2012	5	29	1	V	4.2	39.2	5.53	183
180970057	2012	5	29	2	V	1.3	32.2	4.8	178
180970057	2012	5	29	3	V	46.9	26.6	4.56	192
180970057	2012	5	29	4	V	2.2	9.2	5.43	205
180970057	2012	5	29	5	V	0.2	3.8	6.18	276
180970057	2012	5	29	6	V	0.3	0.4	4.9	263
180970057	2012	5	29	7	V	31.9	0.2	3.29	206
180970057	2012	5	29	8	V	0.7	0	3.2	155
180970057	2012	5	29	9	V	40.1	0.1	2.54	201
180970057	2012	5	29	10	V	24.7	1.1	2.15	206
180970057	2012	5	29	11	V	1.9	3	2.28	249
180970057	2012	5	29	12	V	2.5	2.1	1.64	329
180970057	2012	5	29	13	V	6.0	1.4	1.5	281
180970057	2012	5	29	14	V	3.5	1.2	1.79	238
180970057	2012	5	29	15	V	10.0	2.7	3.66	210
180970057	2012	5	29	16	V	0.8	1.7	3.42	230
180970057	2012	5	29	17	V	0.4	2	4.49	259
180970057	2012	5	29	18	V	0.7	0.2	5.12	269
180970057	2012	5	29	19	V	0.7	0	5	264
180970057	2012	5	29	20	V	0.7	0	3.98	250
180970057	2012	5	29	21	V	0.7	0	3.51	248
180970057	2012	5	29	22	V	0.7	0	2.93	239
180970057	2012	5	29	23	V	0.9	0	2.81	241
180970057	2012	5	29	24	V	0.9	0.1	3.17	244
180970057	2012	5	30	1	V	0.8	0	2.91	257
180970057	2012	5	30	2	V	1.4	0	1.86	275
180970057	2012	5	30	3	V	0.3	0	2.32	246
180970057	2012	5	30	4	V	0.6	0	2.61	255
180970057	2012	5	30	5	V	1.2	0	2.15	265
180970057	2012	5	30	6	V	2.6	0	2.25	291
180970057	2012	5	30	7	V	2.5	0.1	2.05	311
180970057	2012	5	30	8	V	1.4	0.1	2.59	334
180970057	2012	5	30	9	V	1.1	0	2.88	343
180970057	2012	5	30	10	V	0.6	0.1	3.88	320
180970057	2012	5	30	11	V	0.2	0.3	6.43	297
180970057	2012	5	30	12	V	0.2	0.1	6.97	289
180970057	2012	5	30	13	V	0.2	0	7.59	278
180970057	2012	5	30	14	V	0.2	0	6.99	271

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	5	30	15	V	0.2	0	7.04	282
180970057	2012	5	30	16	V	0.2	0	6.19	276
180970057	2012	5	30	17	V	0.2	0	6.07	282
180970057	2012	5	30	18	V	0.06	0	5.89	290
180970057	2012	5	30	19	V	0.03	0	5.46	304
180970057	2012	5	30	20	V	0.05	0	4.25	317
180970057	2012	5	30	21	V	0.05	0	3.4	320
180970057	2012	5	30	22	V	0.06	0	3.58	337
180970057	2012	5	30	23	V	0.03	0	5.17	10
180970057	2012	5	30	24	V	0.05	0	4.2	26
180970057	2012	5	31	1	V	0.05	0	2.86	19
180970057	2012	5	31	2	V	0.03	0	3.18	10
180970057	2012	5	31	3	V	0.03	0	3.51	9
180970057	2012	5	31	4	V	0.03	0	3.85	25
180970057	2012	5	31	5	V	3.4	0	4.27	33
180970057	2012	5	31	6	V	12.4	0.7	3.63	40
180970057	2012	5	31	7	V	11.6	1.9	4.66	42
180970057	2012	5	31	8	V	9.8	3.6	4.32	53
180970057	2012	5	31	9	V	1.6	1.5	3.64	75
180970057	2012	5	31	10	V	0.4	1	4.49	89
180970057	2012	5	31	11	V	0.3	0.9	4.48	103
180970057	2012	5	31	12	V	0.2	1.3	5.27	101
180970057	2012	5	31	13	V	0.3	1.1	5.17	120
180970057	2012	5	31	14	V	0.2	0.9	6.62	124
180970057	2012	5	31	15	V	0.1	1.2	6.65	118
180970057	2012	5	31	16	V	0.1	1.6	6.02	154
180970057	2012	5	31	17	V	0.08	0	6.04	351
180970057	2012	5	31	18	V	2.2	0.3	4.95	51
180970057	2012	5	31	19	V	0.6	0.3	4.48	36
180970057	2012	5	31	20	V	0.05	0	5.21	24
180970057	2012	5	31	21	V	0.3	0.3	4.44	34
180970057	2012	5	31	22	V	5.2	1.1	4.19	45
180970057	2012	5	31	23	V	6.2	1.5	4.12	47
180970057	2012	5	31	24	V	0.09	2.4	3.49	25
180970057	2012	6	1	1	V	0.06	0.5	2.98	18
180970057	2012	6	1	2	V	0.05	0	4.09	336
180970057	2012	6	1	3	V	0.04	0	4.65	333
180970057	2012	6	1	4	V	0.03	0	5.24	338
180970057	2012	6	1	5	V	0.09	0	5.19	333
180970057	2012	6	1	6	V	0.1	0	6.23	332
180970057	2012	6	1	7	V	0.09	0	5.94	329
180970057	2012	6	1	8	V	0.1	0	6.26	320
180970057	2012	6	1	9	V	0.1	0	6.64	306
180970057	2012	6	1	10	V	0.1	0	6.63	298
180970057	2012	6	1	11	V	0.1	0	7.26	297
180970057	2012	6	1	12	V	0.1	0	7.84	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	1	13	V	0.1	0	7.6	298
180970057	2012	6	1	14	V	0.09	0	8.62	291
180970057	2012	6	1	15	V	0.09	0	8.1	297
180970057	2012	6	1	16	V	0.1	0	6.26	295
180970057	2012	6	1	17	V	0.08	0	5.94	289
180970057	2012	6	1	18	V	0.1	0	5.92	287
180970057	2012	6	1	19	V	0.2	0	5.36	284
180970057	2012	6	1	20	V	0.7	0	4.63	262
180970057	2012	6	1	21	V	0.7	0	4.44	248
180970057	2012	6	1	22	V	0.6	0	4.6	245
180970057	2012	6	1	23	V	0.5	0	4.78	237
180970057	2012	6	1	24	V	0.3	0	4.78	232
180970057	2012	6	2	1	V	0.1	0	4.63	231
180970057	2012	6	2	2	V	0.2	0	4.43	234
180970057	2012	6	2	3	V	0.2	0	4.53	236
180970057	2012	6	2	4	V	0.1	0	4.02	229
180970057	2012	6	2	5	V	0.2	0	3.8	229
180970057	2012	6	2	6	V	0.3	0	4.05	226
180970057	2012	6	2	7	V	0.3	0	4.56	229
180970057	2012	6	2	8	V	0.3	0.1	5.41	237
180970057	2012	6	2	9	V	0.5	0.4	5.9	241
180970057	2012	6	2	10	V	0.4	0.5	6.99	245
180970057	2012	6	2	11	V	0.4	0.1	8.01	248
180970057	2012	6	2	12	V	0.4	0	7.98	244
180970057	2012	6	2	13	V	0.4	0	7.79	243
180970057	2012	6	2	14	V	0.4	0	7.6	246
180970057	2012	6	2	15	V	0.4	0	8.03	243
180970057	2012	6	2	16	V	0.4	0	9.27	239
180970057	2012	6	2	17	V	0.2	0	6.99	238
180970057	2012	6	2	18	V	0.3	0	7.11	235
180970057	2012	6	2	19	V	0.1	0	5.26	220
180970057	2012	6	2	20	V	1.8	0	3.46	208
180970057	2012	6	2	21	V	0.1	0	2.69	220
180970057	2012	6	2	22	V	4.2	0	2.66	182
180970057	2012	6	2	23	V	93.5	-999	2.32	190
180970057	2012	6	2	24	V	61.1	0	1.74	199
180970057	2012	6	3	1	V	36.2	0	2.35	199
180970057	2012	6	3	2	V	0.4	0	1.59	229
180970057	2012	6	3	3	V	0.3	0	2.06	245
180970057	2012	6	3	4	V	0.3	0	2.1	245
180970057	2012	6	3	5	V	0.5	0	2.81	242
180970057	2012	6	3	6	V	1.1	0	2.61	251
180970057	2012	6	3	7	V	1.4	0	2.11	244
180970057	2012	6	3	8	V	0.7	0	3.03	242
180970057	2012	6	3	9	V	1.0	0.4	3.17	252
180970057	2012	6	3	10	V	0.4	0.6	5.46	268

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	3	11	V	0.3	0.4	5.36	270
180970057	2012	6	3	12	V	0.2	0.2	6.36	277
180970057	2012	6	3	13	V	0.3	0	6.02	287
180970057	2012	6	3	14	V	0.3	0	6.41	287
180970057	2012	6	3	15	V	0.3	0	5.82	293
180970057	2012	6	3	16	V	0.3	0	5.34	281
180970057	2012	6	3	17	V	0.2	0	4.88	287
180970057	2012	6	3	18	V	0.3	0	4.75	283
180970057	2012	6	3	19	V	0.8	0	4.22	272
180970057	2012	6	3	20	V	0.8	0	3.73	258
180970057	2012	6	3	21	V	0.8	0	3.3	252
180970057	2012	6	3	22	V	0.9	0	2.71	246
180970057	2012	6	3	23	V	0.6	0	2.2	266
180970057	2012	6	3	24	V	0.9	0	2.27	247
180970057	2012	6	4	1	V	0.07	0	2.45	327
180970057	2012	6	4	2	V	0.05	0	3.1	314
180970057	2012	6	4	3	V	0.06	0	2.78	315
180970057	2012	6	4	4	V	0.06	0	2.59	313
180970057	2012	6	4	5	V	0.3	0	2.81	346
180970057	2012	6	4	6	V	3.3	0	1.52	296
180970057	2012	6	4	7	V	1.8	0	2.22	341
180970057	2012	6	4	8	V	0.8	0.1	2.55	332
180970057	2012	6	4	9	V	0.7	0.1	2.78	289
180970057	2012	6	4	10	V	0.4	0	3.54	291
180970057	2012	6	4	11	V	0.7	0.2	3.42	278
180970057	2012	6	4	12	V	0.9	0.6	2.83	276
180970057	2012	6	4	13	V	0.2	0.4	4.49	287
180970057	2012	6	4	14	V	0.4	0.1	4.07	292
180970057	2012	6	4	15	V	0.4	0.3	4.14	275
180970057	2012	6	4	16	V	0.4	0.3	4.31	266
180970057	2012	6	4	17	V	0.3	0.2	5.36	257
180970057	2012	6	4	18	V	0.8	0	5.02	260
180970057	2012	6	4	19	V	0.6	0	5.1	273
180970057	2012	6	4	20	V	0.8	0	4.09	271
180970057	2012	6	4	21	V	0.07	0	4.08	292
180970057	2012	6	4	22	V	0.02	0	5.84	356
180970057	2012	6	4	23	V	0.02	0	5.46	1
180970057	2012	6	4	24	V	0.03	0	4.97	6
180970057	2012	6	5	1	V	0.04	0	3.46	14
180970057	2012	6	5	2	V	0.07	5.5	2.57	26
180970057	2012	6	5	3	V	0.09	6.8	2.3	15
180970057	2012	6	5	4	V	0.05	1.3	2.76	23
180970057	2012	6	5	5	V	5.3	0.5	3.35	34
180970057	2012	6	5	6	V	3.1	1.7	3.59	28
180970057	2012	6	5	7	V	12.0	4.3	3.24	38
180970057	2012	6	5	8	V	7.4	5.6	2.15	35

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	5	9	V	6.9	14.9	1.63	37
180970057	2012	6	5	10	V	5.7	10.4	3.36	37
180970057	2012	6	5	11	V	0.5	2.6	3.86	347
180970057	2012	6	5	12	V	0.5	1.8	5.96	18
180970057	2012	6	5	13	V	3.3	0.8	7.46	31
180970057	2012	6	5	14	V	0.2	0.3	7.46	16
180970057	2012	6	5	15	V	6.3	0	6.96	36
180970057	2012	6	5	16	V	1.5	2.4	6.96	28
180970057	2012	6	5	17	V	9.2	17.9	8.46	40
180970057	2012	6	5	18	V	1.7	4.7	6.96	46
180970057	2012	6	5	19	V	0.6	3.6	5.96	53
180970057	2012	6	5	20	V	1.2	0.8	5.36	48
180970057	2012	6	5	21	V	0.07	0.3	3.86	75
180970057	2012	6	5	22	V	0.06	0.3	3.36	64
180970057	2012	6	5	23	V	0.8	4.9	3.36	40
180970057	2012	6	5	24	V	0.8	7.8	3.86	39
180970057	2012	6	6	1	V	0.03	6.8	3.36	29
180970057	2012	6	6	2	V	0.04	5.6	2.86	8
180970057	2012	6	6	3	V	0.04	5.7	2.86	9
180970057	2012	6	6	4	V	0.04	2.2	2.86	23
180970057	2012	6	6	5	V	13.0	1	4.36	45
180970057	2012	6	6	6	V	7.3	5	3.36	34
180970057	2012	6	6	7	V	3.7	11.6	3.86	29
180970057	2012	6	6	8	V	6.6	14.4	3.86	38
180970057	2012	6	6	9	V	8.2	26.3	5.96	43
180970057	2012	6	6	10	V	1.4	18.1	5.36	74
180970057	2012	6	6	11	V	0.3	18	7.46	17
180970057	2012	6	6	12	V	10.4	2.9	5.96	45
180970057	2012	6	6	13	V	6.7	7.9	5.96	56
180970057	2012	6	6	14	V	8.0	5.5	5.36	56
180970057	2012	6	6	15	V	5.1	9.9	2.86	63
180970057	2012	6	6	16	V	0.3	3.3	4.36	3
180970057	2012	6	6	17	V	0.7	10.2	2.86	92
180970057	2012	6	6	18	V	0.2	4.2	4.36	19
180970057	2012	6	6	19	V	0.06	1.1	3.36	13
180970057	2012	6	6	20	V	0.06	1.6	3.36	26
180970057	2012	6	6	21	V	1.0	0.4	1.76	62
180970057	2012	6	6	22	V	0.5	0.7	1.76	28
180970057	2012	6	6	23	C	-999	1.2	0	0
180970057	2012	6	6	24	C	-999	0.9	0	0
180970057	2012	6	7	1	V	0.3	0.8	1.76	330
180970057	2012	6	7	2	V	0.04	0.5	2.86	355
180970057	2012	6	7	3	V	0.2	0.3	1.76	3
180970057	2012	6	7	4	V	0.2	0.2	1.76	356
180970057	2012	6	7	5	C	-999	0.1	0	0
180970057	2012	6	7	6	C	-999	0.3	0	0

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	7	7	C	-999	0.9	0	0
180970057	2012	6	7	8	C	-999	1.6	0	0
180970057	2012	6	7	9	C	-999	1.8	0	0
180970057	2012	6	7	10	M	-999	0.4	1.76	999
180970057	2012	6	7	11	M	-999	0.3	1.76	999
180970057	2012	6	7	12	M	-999	0.1	1.76	999
180970057	2012	6	7	13	V	4.8	0	3.86	33
180970057	2012	6	7	14	V	0.8	0	2.36	338
180970057	2012	6	7	15	V	7.4	0	3.36	43
180970057	2012	6	7	16	V	2.8	0	1.76	39
180970057	2012	6	7	17	V	0.3	0	4.36	14
180970057	2012	6	7	18	V	0.05	0	4.36	314
180970057	2012	6	7	19	V	0.05	0	3.86	343
180970057	2012	6	7	20	V	0.05	0	3.36	348
180970057	2012	6	7	21	V	0.09	0.1	2.36	349
180970057	2012	6	7	22	V	0.05	0.2	2.86	350
180970057	2012	6	7	23	V	0.5	0.2	2.86	279
180970057	2012	6	7	24	V	0.05	0.2	3.36	17
180970057	2012	6	8	1	C	-999	0	0	0
180970057	2012	6	8	2	V	12.2	0	1.76	40
180970057	2012	6	8	3	V	0.3	0	1.76	26
180970057	2012	6	8	4	C	-999	0.2	0	0
180970057	2012	6	8	5	C	-999	0.2	0	0
180970057	2012	6	8	6	C	-999	0.4	0	0
180970057	2012	6	8	7	C	-999	0.7	0	0
180970057	2012	6	8	8	C	-999	1.3	0	0
180970057	2012	6	8	9	V	3.2	9.3	1.76	176
180970057	2012	6	8	10	M	-999	7.3	1.76	999
180970057	2012	6	8	11	V	2.0	0.5	2.36	269
180970057	2012	6	8	12	C	-999	0.2	0	0
180970057	2012	6	8	13	M	-999	0	1.76	999
180970057	2012	6	8	14	V	0.7	0	3.86	314
180970057	2012	6	8	15	V	0.8	0	3.36	320
180970057	2012	6	8	16	M	-999	0	1.76	999
180970057	2012	6	8	17	M	-999	0	1.76	999
180970057	2012	6	8	18	C	-999	0.1	0	0
180970057	2012	6	8	19	V	0.8	0.5	3.36	269
180970057	2012	6	8	20	V	1.3	0.6	2.36	274
180970057	2012	6	8	21	V	1.2	0.7	3.36	206
180970057	2012	6	8	22	V	0.7	1.5	2.36	238
180970057	2012	6	8	23	V	0.08	3.6	3.36	214
180970057	2012	6	8	24	V	0.7	2.4	2.36	237
180970057	2012	6	9	1	V	0.4	0.7	1.76	246
180970057	2012	6	9	2	V	0.4	0.3	1.76	230
180970057	2012	6	9	3	V	0.2	0.4	2.36	230
180970057	2012	6	9	4	V	0.3	0.2	2.36	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	9	5	C	-999	0.2	0	0
180970057	2012	6	9	6	C	-999	0.2	0	0
180970057	2012	6	9	7	C	-999	2.9	0	0
180970057	2012	6	9	8	V	3.7	7.2	2.36	225
180970057	2012	6	9	9	V	2.2	5.2	3.36	228
180970057	2012	6	9	10	V	2.0	1.7	3.36	231
180970057	2012	6	9	11	V	8.8	6.1	3.36	178
180970057	2012	6	9	12	V	8.0	13.3	4.86	210
180970057	2012	6	9	13	V	6.4	2.7	2.36	202
180970057	2012	6	9	14	V	14.4	27.4	4.36	197
180970057	2012	6	9	15	V	0.5	6.1	5.36	231
180970057	2012	6	9	16	V	4.9	9.6	3.36	219
180970057	2012	6	9	17	V	1.7	11.7	3.86	221
180970057	2012	6	9	18	V	26.7	2.4	6.46	199
180970057	2012	6	9	19	V	1.3	2.3	3.36	206
180970057	2012	6	9	20	V	0.07	2.1	2.86	175
180970057	2012	6	9	21	V	0.07	0.7	3.86	157
180970057	2012	6	9	22	V	0.03	0.6	4.86	170
180970057	2012	6	9	23	V	0.05	-999	4.36	172
180970057	2012	6	9	24	V	0.06	0.4	3.86	150
180970057	2012	6	10	1	V	0.05	0.3	2.86	164
180970057	2012	6	10	2	V	0.2	0.2	1.76	142
180970057	2012	6	10	3	C	-999	0.1	0	0
180970057	2012	6	10	4	V	0.2	0	1.76	126
180970057	2012	6	10	5	V	1.3	0	1.76	117
180970057	2012	6	10	6	V	1.4	0.2	2.36	131
180970057	2012	6	10	7	V	0.8	0.5	2.86	116
180970057	2012	6	10	8	V	5.5	1.5	3.36	171
180970057	2012	6	10	9	V	4.6	31.8	1.76	166
180970057	2012	6	10	10	M	-999	47.4	3.36	999
180970057	2012	6	10	11	V	0.4	3.4	4.86	156
180970057	2012	6	10	12	V	1.1	1.4	2.86	143
180970057	2012	6	10	13	V	0.2	0.4	6.96	129
180970057	2012	6	10	14	V	0.1	0.3	8.46	162
180970057	2012	6	10	15	V	0.2	0.3	7.46	148
180970057	2012	6	10	16	V	1.8	0	5.96	170
180970057	2012	6	10	17	V	0.09	0.8	9.06	142
180970057	2012	6	10	18	V	0.08	0.7	7.46	162
180970057	2012	6	10	19	V	0.04	0.8	7.46	161
180970057	2012	6	10	20	V	0.05	3.2	4.86	169
180970057	2012	6	10	21	V	0.1	3.3	3.86	148
180970057	2012	6	10	22	V	0.1	1.8	3.86	150
180970057	2012	6	10	23	V	0.1	0.6	2.86	135
180970057	2012	6	10	24	V	0.06	0.3	5.36	170
180970057	2012	6	11	1	V	0.08	0.7	5.96	172
180970057	2012	6	11	2	V	1.8	2.1	3.36	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	11	3	V	2.6	4.7	3.86	178
180970057	2012	6	11	4	V	35.8	6.5	3.86	186
180970057	2012	6	11	5	V	17.9	3.5	3.86	182
180970057	2012	6	11	6	V	43.0	2.8	3.36	184
180970057	2012	6	11	7	V	21.8	1.9	3.36	178
180970057	2012	6	11	8	V	2.9	4	3.86	170
180970057	2012	6	11	9	V	2.7	6.1	3.36	170
180970057	2012	6	11	10	M	-999	7.5	2.36	999
180970057	2012	6	11	11	V	1.1	8	2.36	151
180970057	2012	6	11	12	V	1.0	5.2	2.36	150
180970057	2012	6	11	13	V	17.6	6.6	4.36	183
180970057	2012	6	11	14	V	12.5	19.2	5.96	205
180970057	2012	6	11	15	V	0.4	5.2	7.46	241
180970057	2012	6	11	16	V	1.5	2.5	5.36	212
180970057	2012	6	11	17	V	6.6	1.3	4.86	179
180970057	2012	6	11	18	V	0.07	2.5	4.36	214
180970057	2012	6	11	19	V	0.8	1.2	3.86	264
180970057	2012	6	11	20	V	0.5	0.4	2.86	210
180970057	2012	6	11	21	V	0.4	0.3	3.36	211
180970057	2012	6	11	22	V	0.2	0.1	2.36	176
180970057	2012	6	11	23	V	1.8	0.2	3.36	207
180970057	2012	6	11	24	V	0.8	0	3.36	244
180970057	2012	6	12	1	V	0.7	0	4.86	269
180970057	2012	6	12	2	V	0.9	0	2.86	273
180970057	2012	6	12	3	V	0.2	0	2.86	238
180970057	2012	6	12	4	V	0.5	0	3.86	252
180970057	2012	6	12	5	V	0.4	0	3.86	270
180970057	2012	6	12	6	V	0.1	0	5.96	322
180970057	2012	6	12	7	V	0.1	0	7.96	325
180970057	2012	6	12	8	V	0.2	0.2	6.96	340
180970057	2012	6	12	9	V	0.2	0.3	6.96	332
180970057	2012	6	12	10	V	0.2	0.2	6.96	316
180970057	2012	6	12	11	V	0.4	0.3	4.86	335
180970057	2012	6	12	12	V	0.2	0.8	6.46	286
180970057	2012	6	12	13	V	0.2	0.2	6.46	302
180970057	2012	6	12	14	V	0.1	0.2	8.46	294
180970057	2012	6	12	15	V	0.2	0	6.46	290
180970057	2012	6	12	16	V	0.1	0	7.96	314
180970057	2012	6	12	17	V	0.08	0	10.06	315
180970057	2012	6	12	18	V	0.05	0	6.96	325
180970057	2012	6	12	19	V	0.02	0	6.2	332
180970057	2012	6	12	20	V	0.03	0	5.55	337
180970057	2012	6	12	21	V	0.04	0	4.88	350
180970057	2012	6	12	22	V	0.02	0	6.31	24
180970057	2012	6	12	23	V	0.02	0	5.97	25
180970057	2012	6	12	24	V	0.02	0	5.33	30

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	13	1	V	0.05	0	4.36	32
180970057	2012	6	13	2	V	0.03	0	3.12	25
180970057	2012	6	13	3	V	0.03	0	3.23	11
180970057	2012	6	13	4	V	0.03	0	3.32	17
180970057	2012	6	13	5	V	0.4	0	3.18	17
180970057	2012	6	13	6	V	0.7	0	4.46	25
180970057	2012	6	13	7	V	12.9	4.2	5.46	45
180970057	2012	6	13	8	V	7.1	3	5.73	57
180970057	2012	6	13	9	V	1.5	0.9	6.5	68
180970057	2012	6	13	10	V	0.8	0.7	5	77
180970057	2012	6	13	11	V	2.8	0.9	3.68	71
180970057	2012	6	13	12	V	0.8	0.8	3.49	96
180970057	2012	6	13	13	V	2.2	1	3.47	72
180970057	2012	6	13	14	V	3.1	0.7	3.91	67
180970057	2012	6	13	15	V	12.8	0.8	4.29	49
180970057	2012	6	13	16	V	2.7	2.1	3.83	65
180970057	2012	6	13	17	V	0.5	0.7	4.22	75
180970057	2012	6	13	18	V	0.2	1	3.86	68
180970057	2012	6	13	19	V	0.07	0.7	3.97	69
180970057	2012	6	13	20	V	0.07	0	4.58	85
180970057	2012	6	13	21	V	0.07	0.2	3.91	65
180970057	2012	6	13	22	V	2.2	1.5	3.61	52
180970057	2012	6	13	23	V	0.04	0.1	4.37	71
180970057	2012	6	13	24	V	0.05	0	3.93	72
180970057	2012	6	14	1	V	0.04	0	4.25	82
180970057	2012	6	14	2	V	0.03	0	4.32	77
180970057	2012	6	14	3	V	0.04	0	4.07	81
180970057	2012	6	14	4	V	0.04	0	3.25	86
180970057	2012	6	14	5	V	0.3	0	3.17	89
180970057	2012	6	14	6	V	1.0	0	3.1	77
180970057	2012	6	14	7	V	0.5	0.2	3.73	83
180970057	2012	6	14	8	V	0.9	2	3.1	93
180970057	2012	6	14	9	V	0.7	-999	2.98	105
180970057	2012	6	14	10	V	1.0	0.8	2.79	117
180970057	2012	6	14	11	V	0.7	0.7	3.21	94
180970057	2012	6	14	12	V	0.4	0.5	4.03	97
180970057	2012	6	14	13	V	0.5	0.5	3.97	96
180970057	2012	6	14	14	V	0.4	0.6	4.36	114
180970057	2012	6	14	15	V	0.7	0.4	3.37	113
180970057	2012	6	14	16	V	0.7	0.3	3.35	91
180970057	2012	6	14	17	V	0.5	0.1	3.03	92
180970057	2012	6	14	18	V	0.07	0.2	4.12	125
180970057	2012	6	14	19	V	0.06	0.4	4	117
180970057	2012	6	14	20	V	0.06	0.6	3.76	120
180970057	2012	6	14	21	V	0.06	0.3	3.57	123
180970057	2012	6	14	22	V	0.06	0.6	3.69	119

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	14	23	V	0.06	0.5	3.73	127
180970057	2012	6	14	24	V	0.05	6.2	3.22	114
180970057	2012	6	15	1	V	0.09	4	2.44	113
180970057	2012	6	15	2	V	0.4	2.4	1.59	107
180970057	2012	6	15	3	V	0.1	1.1	1.98	83
180970057	2012	6	15	4	V	14.7	0.7	1.25	57
180970057	2012	6	15	5	V	11.3	0.5	0.94	27
180970057	2012	6	15	6	V	19.6	0.8	1.48	46
180970057	2012	6	15	7	V	12.3	1.4	2.23	61
180970057	2012	6	15	8	V	2.1	3.6	2.27	100
180970057	2012	6	15	9	V	1.5	3.9	2.66	124
180970057	2012	6	15	10	V	0.9	5.2	3.25	137
180970057	2012	6	15	11	V	5.9	4.5	1.72	203
180970057	2012	6	15	12	V	3.8	11.6	1.71	199
180970057	2012	6	15	13	V	3.9	10	1.54	85
180970057	2012	6	15	14	V	2.8	2.5	2.1	144
180970057	2012	6	15	15	V	1.3	1.9	2.57	120
180970057	2012	6	15	16	V	0.9	2.8	2.95	126
180970057	2012	6	15	17	V	0.4	2.3	3.76	144
180970057	2012	6	15	18	V	0.2	1.6	3.39	142
180970057	2012	6	15	19	V	0.06	0.9	3.9	130
180970057	2012	6	15	20	V	0.06	0.9	3.73	130
180970057	2012	6	15	21	V	0.06	1.4	3.29	137
180970057	2012	6	15	22	V	0.06	2.6	3.39	149
180970057	2012	6	15	23	V	0.06	1	2.88	131
180970057	2012	6	15	24	V	0.06	1.3	3.56	145
180970057	2012	6	16	1	V	0.05	0.3	3.37	148
180970057	2012	6	16	2	V	0.1	0.2	2.33	167
180970057	2012	6	16	3	V	0.1	0	2.27	150
180970057	2012	6	16	4	V	0.08	0	2.56	167
180970057	2012	6	16	5	V	17.3	0	1.64	169
180970057	2012	6	16	6	V	0.8	0	2.95	123
180970057	2012	6	16	7	V	0.7	0.2	3.34	123
180970057	2012	6	16	8	V	1.2	1.8	2.96	151
180970057	2012	6	16	9	V	13.5	9.4	2.84	196
180970057	2012	6	16	10	V	9.5	36.4	2.71	190
180970057	2012	6	16	11	V	7.3	31.7	3.59	210
180970057	2012	6	16	12	V	7.8	7.9	4.92	210
180970057	2012	6	16	13	V	6.4	3.1	5.31	212
180970057	2012	6	16	14	V	1.3	1	5.9	223
180970057	2012	6	16	15	V	5.9	1.1	5.8	211
180970057	2012	6	16	16	V	9.6	1.5	6.35	207
180970057	2012	6	16	17	V	0.8	0.7	6.02	216
180970057	2012	6	16	18	V	0.09	2.4	6.57	223
180970057	2012	6	16	19	V	18.8	1.8	6.43	196
180970057	2012	6	16	20	V	0.05	0.7	5.58	171

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	16	21	V	0.05	0.5	4.88	153
180970057	2012	6	16	22	V	0.04	0.3	5.16	150
180970057	2012	6	16	23	V	0.05	-999	4.51	172
180970057	2012	6	16	24	V	1.1	15.5	5.39	180
180970057	2012	6	17	1	V	4.7	8.9	5.73	203
180970057	2012	6	17	2	V	2.0	2.4	5.56	206
180970057	2012	6	17	3	V	0.08	2.5	5.85	216
180970057	2012	6	17	4	V	0.1	1.8	4.24	217
180970057	2012	6	17	5	V	2.0	1.2	1.65	335
180970057	2012	6	17	6	V	4.1	0.7	1.84	221
180970057	2012	6	17	7	V	0.3	0.5	3.23	236
180970057	2012	6	17	8	V	0.2	0.6	5.05	234
180970057	2012	6	17	9	V	0.2	0.5	6.86	231
180970057	2012	6	17	10	V	0.3	0.9	7.18	236
180970057	2012	6	17	11	V	0.4	0.8	6.67	244
180970057	2012	6	17	12	V	0.3	0.8	5.31	260
180970057	2012	6	17	13	V	0.4	1.6	4.92	268
180970057	2012	6	17	14	V	0.4	1.8	4.78	259
180970057	2012	6	17	15	V	0.4	1.1	5.26	239
180970057	2012	6	17	16	V	0.3	1	5.92	250
180970057	2012	6	17	17	V	0.3	1.4	6.04	242
180970057	2012	6	17	18	V	0.2	0.4	6.09	235
180970057	2012	6	17	19	V	0.2	0.2	6.3	228
180970057	2012	6	17	20	V	0.09	0.1	4.99	215
180970057	2012	6	17	21	V	2.3	0	4.15	206
180970057	2012	6	17	22	V	16.8	0	4.56	200
180970057	2012	6	17	23	V	69.4	0.1	3.8	192
180970057	2012	6	17	24	V	20.9	2.9	3.86	186
180970057	2012	6	18	1	V	60.4	6.9	3.69	194
180970057	2012	6	18	2	V	0.6	1.9	4.02	208
180970057	2012	6	18	3	V	0.3	0.6	3.35	211
180970057	2012	6	18	4	V	0.1	0.4	3.71	213
180970057	2012	6	18	5	V	0.2	0.4	4.32	221
180970057	2012	6	18	6	V	2.1	0.3	4.34	211
180970057	2012	6	18	7	V	2.0	1	4.66	214
180970057	2012	6	18	8	V	0.2	1.5	6.6	223
180970057	2012	6	18	9	V	0.2	0.9	8.08	226
180970057	2012	6	18	10	V	0.3	0.8	8.78	221
180970057	2012	6	18	11	V	0.3	0.8	8.03	223
180970057	2012	6	18	12	V	0.8	0.8	7.72	219
180970057	2012	6	18	13	V	5.8	0.9	7.98	209
180970057	2012	6	18	14	V	5.2	1.2	8.47	209
180970057	2012	6	18	15	V	2.4	6.5	9	210
180970057	2012	6	18	16	V	0.5	1.5	9.12	216
180970057	2012	6	18	17	V	0.8	1.5	9.71	212
180970057	2012	6	18	18	V	1.0	0.8	9.27	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	18	19	V	15.7	0.5	9.1	200
180970057	2012	6	18	20	V	4.4	0.5	8.32	203
180970057	2012	6	18	21	V	8.8	29.7	5.84	186
180970057	2012	6	18	22	V	2.5	21.7	5.58	182
180970057	2012	6	18	23	V	13.3	17.4	4.53	185
180970057	2012	6	18	24	V	44.5	10.4	3.85	188
180970057	2012	6	19	1	V	60.5	6.2	3.61	191
180970057	2012	6	19	2	V	42.0	7.4	3.95	196
180970057	2012	6	19	3	V	33.9	5.2	4.02	198
180970057	2012	6	19	4	V	33.8	4.8	4.19	198
180970057	2012	6	19	5	V	58.7	4.5	2.96	188
180970057	2012	6	19	6	V	22.4	3.4	3.3	177
180970057	2012	6	19	7	V	50.5	7.5	3.69	187
180970057	2012	6	19	8	V	3.4	4.6	5.7	212
180970057	2012	6	19	9	V	0.2	3.5	6.89	227
180970057	2012	6	19	10	V	0.2	2.3	8.1	228
180970057	2012	6	19	11	V	0.3	1.5	8.23	234
180970057	2012	6	19	12	V	0.3	0.9	7.16	227
180970057	2012	6	19	13	V	8.1	0.5	6.6	208
180970057	2012	6	19	14	V	18.7	12.6	6.77	198
180970057	2012	6	19	15	V	30.4	4.5	7.76	192
180970057	2012	6	19	16	V	28.8	8.4	7.4	193
180970057	2012	6	19	17	V	33.2	3	7.98	192
180970057	2012	6	19	18	V	42.9	2.1	7.91	193
180970057	2012	6	19	19	V	7.6	5.8	7.45	185
180970057	2012	6	19	20	V	3.4	6.2	5.95	183
180970057	2012	6	19	21	V	0.06	0.7	4.15	170
180970057	2012	6	19	22	V	0.04	0.4	4.73	168
180970057	2012	6	19	23	V	0.03	0.3	5.02	169
180970057	2012	6	19	24	V	0.05	0.4	5.04	174
180970057	2012	6	20	1	V	0.1	0.5	4.85	176
180970057	2012	6	20	2	V	0.2	0.4	4.9	177
180970057	2012	6	20	3	V	0.09	0.3	4.41	175
180970057	2012	6	20	4	V	58.9	1.8	3.88	190
180970057	2012	6	20	5	V	61.7	3.3	2.55	190
180970057	2012	6	20	6	V	8.1	1.5	2.5	165
180970057	2012	6	20	7	V	26.0	2.9	2.83	176
180970057	2012	6	20	8	V	29.6	6.7	3.44	189
180970057	2012	6	20	9	V	9.9	5	4.97	208
180970057	2012	6	20	10	V	6.3	3.9	5.67	211
180970057	2012	6	20	11	V	1.2	2	6.8	219
180970057	2012	6	20	12	V	1.6	1.1	7.06	218
180970057	2012	6	20	13	V	3.6	0.9	6.29	215
180970057	2012	6	20	14	V	7.6	4.9	6.6	209
180970057	2012	6	20	15	V	5.0	2.2	7.13	211
180970057	2012	6	20	16	V	1.1	1.1	7.03	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	20	17	V	28.0	1.4	6.55	197
180970057	2012	6	20	18	V	38.1	2.1	7.08	196
180970057	2012	6	20	19	V	17.1	0.7	6.57	190
180970057	2012	6	20	20	V	1.5	10.3	5.68	181
180970057	2012	6	20	21	V	0.2	1.1	4.48	177
180970057	2012	6	20	22	V	0.4	11.2	4.66	178
180970057	2012	6	20	23	V	0.1	18.4	4.78	176
180970057	2012	6	20	24	V	0.9	29.2	5.33	180
180970057	2012	6	21	1	V	18.5	23.2	4.82	187
180970057	2012	6	21	2	V	0.05	3.8	3.05	220
180970057	2012	6	21	3	V	0.08	1.6	3.06	213
180970057	2012	6	21	4	V	11.4	4.7	3.78	202
180970057	2012	6	21	5	V	57.9	6.6	3.63	195
180970057	2012	6	21	6	V	24.2	4.8	3.76	205
180970057	2012	6	21	7	V	8.4	8.8	4.46	210
180970057	2012	6	21	8	V	0.4	10.1	5.56	223
180970057	2012	6	21	9	V	0.3	4	6.36	230
180970057	2012	6	21	10	V	0.3	2.2	7.06	233
180970057	2012	6	21	11	V	0.3	1.5	8.66	229
180970057	2012	6	21	12	V	0.3	0.4	8.01	233
180970057	2012	6	21	13	V	0.3	0.3	7.01	228
180970057	2012	6	21	14	V	0.4	0.1	7.14	229
180970057	2012	6	21	15	V	0.3	0.1	7.52	229
180970057	2012	6	21	16	V	3.0	0.2	7.37	212
180970057	2012	6	21	17	V	0.1	0	8.59	229
180970057	2012	6	21	18	V	0.04	0.2	7.89	307
180970057	2012	6	21	19	V	0.05	0	4.83	316
180970057	2012	6	21	20	V	0.08	0	3.74	304
180970057	2012	6	21	21	V	0.09	0	4.14	299
180970057	2012	6	21	22	V	0.08	0	4.03	307
180970057	2012	6	21	23	V	0.09	0	3.39	330
180970057	2012	6	21	24	V	0.07	0	2.74	340
180970057	2012	6	22	1	V	0.2	0	1.96	305
180970057	2012	6	22	2	V	0.1	0	2.2	313
180970057	2012	6	22	3	V	0.1	0	2.01	308
180970057	2012	6	22	4	V	0.2	0	1.87	303
180970057	2012	6	22	5	V	0.9	0	1.62	290
180970057	2012	6	22	6	V	1.9	0	1.59	273
180970057	2012	6	22	7	V	3.0	0	1.79	260
180970057	2012	6	22	8	V	1.1	0	2.76	322
180970057	2012	6	22	9	V	2.2	0.6	2.2	351
180970057	2012	6	22	10	V	2.1	1.1	2.28	349
180970057	2012	6	22	11	V	1.4	0.2	2.78	328
180970057	2012	6	22	12	V	0.9	0	3.39	277
180970057	2012	6	22	13	V	0.7	0	3.73	295
180970057	2012	6	22	14	V	0.4	0	4.66	308

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	22	15	V	0.4	0	4.92	328
180970057	2012	6	22	16	V	0.3	0	5.39	321
180970057	2012	6	22	17	V	0.2	0	5.19	320
180970057	2012	6	22	18	V	0.08	0	5.28	321
180970057	2012	6	22	19	V	0.03	0	5.11	324
180970057	2012	6	22	20	V	0.02	0.1	5.94	329
180970057	2012	6	22	21	V	0.06	0.5	3.91	333
180970057	2012	6	22	22	V	0.06	0.6	3.8	339
180970057	2012	6	22	23	V	0.06	0	3.59	337
180970057	2012	6	22	24	V	0.07	0	2.71	353
180970057	2012	6	23	1	V	0.2	0	1.76	9
180970057	2012	6	23	2	V	0.4	0	1.45	319
180970057	2012	6	23	3	V	0.2	0	1.67	359
180970057	2012	6	23	4	V	0.2	0	1.74	354
180970057	2012	6	23	5	V	2.5	0	2.08	23
180970057	2012	6	23	6	V	2.7	0	1.48	360
180970057	2012	6	23	7	V	10.0	0	2.79	37
180970057	2012	6	23	8	V	6.7	2.7	2.72	36
180970057	2012	6	23	9	V	4.7	3.4	1.6	37
180970057	2012	6	23	10	V	3.7	5.4	2.25	44
180970057	2012	6	23	11	V	3.0	0.3	3.22	22
180970057	2012	6	23	12	V	2.8	3.7	2.59	17
180970057	2012	6	23	13	V	1.4	1.6	2.06	359
180970057	2012	6	23	14	V	1.1	0.3	2.49	334
180970057	2012	6	23	15	V	0.7	2.5	2.89	358
180970057	2012	6	23	16	V	3.6	0.7	2.44	22
180970057	2012	6	23	17	V	0.6	0.1	2.69	87
180970057	2012	6	23	18	V	0.1	0	2.56	93
180970057	2012	6	23	19	V	0.1	0	3.46	121
180970057	2012	6	23	20	V	0.1	0	2.22	125
180970057	2012	6	23	21	V	0.1	0.2	2.45	93
180970057	2012	6	23	22	V	0.1	6.5	3.49	26
180970057	2012	6	23	23	V	6.7	-999	3.25	50
180970057	2012	6	23	24	V	7.9	0.4	2.42	48
180970057	2012	6	24	1	V	3.4	0.3	3.32	40
180970057	2012	6	24	2	V	0.09	0.1	2.4	67
180970057	2012	6	24	3	V	0.07	0.2	2.37	88
180970057	2012	6	24	4	V	3.1	0.2	1.26	63
180970057	2012	6	24	5	V	10.5	0.6	0.91	69
180970057	2012	6	24	6	V	1.3	0.5	2.01	110
180970057	2012	6	24	7	V	3.5	0.5	1.65	115
180970057	2012	6	24	8	V	0.6	1.2	3.35	141
180970057	2012	6	24	9	V	3.9	5.8	3.97	169
180970057	2012	6	24	10	V	13.2	55.8	3	195
180970057	2012	6	24	11	V	4.1	3.4	2.84	223
180970057	2012	6	24	12	V	1.1	1.9	2.76	277

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	24	13	V	0.8	1.5	3.39	273
180970057	2012	6	24	14	V	0.5	0.8	4.09	269
180970057	2012	6	24	15	V	0.7	0.6	2.81	272
180970057	2012	6	24	16	V	0.4	0.7	3.39	279
180970057	2012	6	24	17	V	1.0	0.7	2.39	348
180970057	2012	6	24	18	V	0.2	0.6	2.91	307
180970057	2012	6	24	19	V	0.07	1.2	3.34	288
180970057	2012	6	24	20	V	0.06	1.5	2.86	296
180970057	2012	6	24	21	V	0.7	1	2.91	278
180970057	2012	6	24	22	V	0.1	0.7	2.23	285
180970057	2012	6	24	23	V	0.1	0.5	2.25	318
180970057	2012	6	24	24	V	0.1	0.3	2.44	324
180970057	2012	6	25	1	V	0.1	0.2	2.04	290
180970057	2012	6	25	2	V	1.2	0	2.01	260
180970057	2012	6	25	3	V	0.1	0	2.45	305
180970057	2012	6	25	4	V	0.1	0.2	3.68	358
180970057	2012	6	25	5	V	0.2	0.1	5.19	22
180970057	2012	6	25	6	V	0.4	0	5.97	26
180970057	2012	6	25	7	V	0.6	0.1	6.47	26
180970057	2012	6	25	8	V	4.3	0.8	6.77	34
180970057	2012	6	25	9	V	2.9	3.3	6.92	31
180970057	2012	6	25	10	V	0.9	3.8	6.94	24
180970057	2012	6	25	11	V	4.0	0.4	6.6	32
180970057	2012	6	25	12	V	1.5	0	7.09	25
180970057	2012	6	25	13	V	5.0	0	6.96	34
180970057	2012	6	25	14	V	2.9	0.3	7.08	29
180970057	2012	6	25	15	V	0.8	0	7.25	22
180970057	2012	6	25	16	V	0.4	0	7.11	20
180970057	2012	6	25	17	V	0.2	0.8	6.75	19
180970057	2012	6	25	18	V	0.05	0.2	6.8	21
180970057	2012	6	25	19	V	0.02	1.8	6.69	18
180970057	2012	6	25	20	V	0.06	5.9	5.92	35
180970057	2012	6	25	21	V	2.1	3.5	4.61	48
180970057	2012	6	25	22	V	0.3	1.9	4.37	37
180970057	2012	6	25	23	V	1.3	5.8	4.24	40
180970057	2012	6	25	24	V	2.1	1.9	4.29	42
180970057	2012	6	26	1	V	0.02	0.1	5.36	72
180970057	2012	6	26	2	V	0.02	0.1	5.14	80
180970057	2012	6	26	3	V	0.02	0.1	4.78	85
180970057	2012	6	26	4	V	0.02	0	4.9	92
180970057	2012	6	26	5	V	0.2	0	3.66	91
180970057	2012	6	26	6	V	1.3	0.1	2.44	88
180970057	2012	6	26	7	V	0.9	0.4	3.27	90
180970057	2012	6	26	8	V	0.3	0.1	5.02	92
180970057	2012	6	26	9	V	0.2	0.3	5.51	92
180970057	2012	6	26	10	V	0.9	0.1	5.99	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	26	11	V	3.1	0	6.28	64
180970057	2012	6	26	12	V	4.6	0.1	4.58	62
180970057	2012	6	26	13	V	5.2	1.8	4.29	60
180970057	2012	6	26	14	V	6.3	0.7	4.41	38
180970057	2012	6	26	15	V	7.5	2.7	4.15	51
180970057	2012	6	26	16	V	6.7	2.3	3.98	58
180970057	2012	6	26	17	V	9.5	0.4	4.1	40
180970057	2012	6	26	18	V	0.1	1.3	4.02	70
180970057	2012	6	26	19	V	0.04	1.6	4.58	88
180970057	2012	6	26	20	V	0.06	0	4.24	97
180970057	2012	6	26	21	V	0.06	0	3.61	96
180970057	2012	6	26	22	V	0.05	0.1	3.29	91
180970057	2012	6	26	23	V	0.08	0.2	2.67	90
180970057	2012	6	26	24	V	0.1	0.5	2.42	94
180970057	2012	6	27	1	V	0.08	3.4	2.55	112
180970057	2012	6	27	2	V	0.1	11	2.01	124
180970057	2012	6	27	3	V	0.1	1	1.94	134
180970057	2012	6	27	4	V	0.04	0.5	2.88	143
180970057	2012	6	27	5	V	0.5	0.1	2.33	152
180970057	2012	6	27	6	V	32.9	0	1.42	176
180970057	2012	6	27	7	V	1.8	0.7	2.72	159
180970057	2012	6	27	8	V	3.2	1.5	4.2	169
180970057	2012	6	27	9	V	17.2	7	3.86	180
180970057	2012	6	27	10	V	10.0	44.5	4.53	176
180970057	2012	6	27	11	V	10.7	37.3	4.09	176
180970057	2012	6	27	12	V	10.3	21.7	4.58	177
180970057	2012	6	27	13	V	19.4	11.2	4.49	193
180970057	2012	6	27	14	V	20.0	21.4	4.97	196
180970057	2012	6	27	15	V	19.5	22.5	4.53	188
180970057	2012	6	27	16	V	6.8	4.3	4.76	211
180970057	2012	6	27	17	V	17.4	10.7	5.19	203
180970057	2012	6	27	18	V	4.9	13.5	5.14	206
180970057	2012	6	27	19	V	0.2	3.6	6.21	210
180970057	2012	6	27	20	V	0.1	5.9	5.12	213
180970057	2012	6	27	21	V	46.3	10.2	3.74	188
180970057	2012	6	27	22	V	1.0	3.2	3.37	180
180970057	2012	6	27	23	V	10.9	1.2	3.47	184
180970057	2012	6	27	24	V	0.6	1.7	3.69	178
180970057	2012	6	28	1	V	0.04	1.6	3.13	166
180970057	2012	6	28	2	V	0.2	5	3.2	178
180970057	2012	6	28	3	V	62.4	4.7	3.27	195
180970057	2012	6	28	4	V	0.1	7.9	4.32	213
180970057	2012	6	28	5	V	0.3	9.4	3.98	219
180970057	2012	6	28	6	V	0.2	6.5	6.14	235
180970057	2012	6	28	7	V	0.3	4.4	5.09	237
180970057	2012	6	28	8	V	0.2	4.2	6.52	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	28	9	V	0.3	5.2	7.14	248
180970057	2012	6	28	10	V	0.3	7.8	6.52	255
180970057	2012	6	28	11	V	0.4	6.3	5.45	262
180970057	2012	6	28	12	V	0.4	2.6	5.77	254
180970057	2012	6	28	13	V	0.4	1.4	6.58	249
180970057	2012	6	28	14	V	0.3	1.9	7.79	250
180970057	2012	6	28	15	V	0.3	6.1	8.32	238
180970057	2012	6	28	16	V	0.3	2.3	8.32	234
180970057	2012	6	28	17	V	0.2	1	8.4	234
180970057	2012	6	28	18	V	0.1	0.9	9.17	237
180970057	2012	6	28	19	V	0.4	1	8.71	241
180970057	2012	6	28	20	V	0.5	0.7	6.86	252
180970057	2012	6	28	21	V	0.5	1	4.87	277
180970057	2012	6	28	22	V	0.2	1.1	3.85	283
180970057	2012	6	28	23	V	0.09	1	3.69	293
180970057	2012	6	28	24	V	0.8	1.3	3.88	253
180970057	2012	6	29	1	V	0.2	1.1	3.61	244
180970057	2012	6	29	2	V	0.2	0.8	3.29	244
180970057	2012	6	29	3	V	0.2	1.1	3.12	240
180970057	2012	6	29	4	V	0.8	1.3	2.59	256
180970057	2012	6	29	5	V	1.4	1.3	2.23	264
180970057	2012	6	29	6	V	1.9	1.2	2.67	258
180970057	2012	6	29	7	V	2.1	1.5	2.37	250
180970057	2012	6	29	8	V	0.9	2	3.25	239
180970057	2012	6	29	9	V	3.3	1.9	1.93	289
180970057	2012	6	29	10	V	4.8	1.5	1.67	247
180970057	2012	6	29	11	V	1.9	0.7	2.74	241
180970057	2012	6	29	12	V	0.8	0.2	3.59	272
180970057	2012	6	29	13	V	0.5	0	5.21	262
180970057	2012	6	29	14	V	0.3	0.1	6.41	262
180970057	2012	6	29	15	V	0.2	0.3	7.45	263
180970057	2012	6	29	16	V	0.1	0	9.49	5
180970057	2012	6	29	17	V	0.8	1	2.67	9
180970057	2012	6	29	18	V	11.2	11.2	1.2	199
180970057	2012	6	29	19	V	3.3	1	0.8	232
180970057	2012	6	29	20	V	115.9	1.4	1.74	194
180970057	2012	6	29	21	V	0.1	0.6	2.3	88
180970057	2012	6	29	22	V	0.2	0.1	2.78	58
180970057	2012	6	29	23	V	0.05	0.1	3.07	115
180970057	2012	6	29	24	V	0.05	0	3.12	116
180970057	2012	6	30	1	V	0.04	0	3.18	125
180970057	2012	6	30	2	V	0.04	0	3.2	136
180970057	2012	6	30	3	V	0.06	0	2.64	133
180970057	2012	6	30	4	V	0.03	0.3	8.17	6
180970057	2012	6	30	5	V	10.0	1	6.99	41
180970057	2012	6	30	6	V	1.9	0.4	4.65	65

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	6	30	7	V	0.5	0.2	3.9	111
180970057	2012	6	30	8	V	0.4	0.7	3.98	130
180970057	2012	6	30	9	V	1.8	0.6	2.71	137
180970057	2012	6	30	10	V	2.0	0.2	2.59	124
180970057	2012	6	30	11	V	7.8	1.4	2.72	167
180970057	2012	6	30	12	V	7.3	13.4	2.03	176
180970057	2012	6	30	13	V	1.0	0.8	3.12	286
180970057	2012	6	30	14	V	0.5	0.3	4.56	311
180970057	2012	6	30	15	V	0.4	0.3	3.93	289
180970057	2012	6	30	16	V	0.1	0.3	6.4	306
180970057	2012	6	30	17	V	0.2	0.5	4.27	334
180970057	2012	6	30	18	V	0.6	0.6	2.2	223
180970057	2012	6	30	19	V	0.08	0.2	4.61	350
180970057	2012	6	30	20	V	0.1	0.1	3.69	360
180970057	2012	6	30	21	V	0.09	0	4.17	348
180970057	2012	6	30	22	V	0.1	0	1.99	1
180970057	2012	6	30	23	V	1.0	-999	1.09	346
180970057	2012	6	30	24	V	13.1	0	2.06	49
180970057	2012	7	1	1	V	0.2	0	2.03	126
180970057	2012	7	1	2	V	11.7	0	1.72	181
180970057	2012	7	1	3	V	2.3	0	0.94	3
180970057	2012	7	1	4	V	0.1	0	2.16	221
180970057	2012	7	1	5	V	6.4	0.1	2.88	175
180970057	2012	7	1	6	V	0.7	0	2.78	81
180970057	2012	7	1	7	V	1.0	0.1	2.96	100
180970057	2012	7	1	8	V	1.0	0.3	2.84	134
180970057	2012	7	1	9	V	5.9	0	2.61	169
180970057	2012	7	1	10	V	2.5	0.5	2.33	160
180970057	2012	7	1	11	V	5.5	1.7	1.54	159
180970057	2012	7	1	12	V	10.4	12.8	1.84	180
180970057	2012	7	1	13	V	11.6	20.3	3	189
180970057	2012	7	1	14	V	13.7	10	2.37	203
180970057	2012	7	1	15	V	1.5	11.8	1.81	268
180970057	2012	7	1	16	V	0.2	3.5	4.2	343
180970057	2012	7	1	17	V	0.07	1.5	9.85	16
180970057	2012	7	1	18	V	5.4	0.9	6.38	38
180970057	2012	7	1	19	V	0.08	6.5	3.69	73
180970057	2012	7	1	20	V	0.1	0.7	3.93	123
180970057	2012	7	1	21	V	0.1	0.1	3.83	171
180970057	2012	7	1	22	V	68.5	2	0.89	205
180970057	2012	7	1	23	V	10.9	0.5	0.82	29
180970057	2012	7	1	24	V	2.1	0.2	1.16	230
180970057	2012	7	2	1	V	1.6	0.2	1.08	318
180970057	2012	7	2	2	V	0.4	0	1.53	158
180970057	2012	7	2	3	V	6.0	0	1.4	34
180970057	2012	7	2	4	V	0.1	0	2.01	79

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	2	5	V	0.7	0	2.33	157
180970057	2012	7	2	6	V	1.5	0	2.35	149
180970057	2012	7	2	7	V	1.5	0	2.38	150
180970057	2012	7	2	8	V	18.4	4.6	2.3	177
180970057	2012	7	2	9	V	15.8	27.2	2.22	189
180970057	2012	7	2	10	V	9.1	39.7	2.06	190
180970057	2012	7	2	11	V	8.0	19.3	2.57	183
180970057	2012	7	2	12	V	4.9	10.1	2.32	176
180970057	2012	7	2	13	V	8.3	16.1	2.32	197
180970057	2012	7	2	14	V	0.9	4.8	3.05	289
180970057	2012	7	2	15	V	0.9	1.3	2.88	276
180970057	2012	7	2	16	V	1.1	0.7	2.64	288
180970057	2012	7	2	17	V	0.5	0.5	3.64	310
180970057	2012	7	2	18	V	0.6	0.5	1.76	347
180970057	2012	7	2	19	V	0.09	0.4	3.32	339
180970057	2012	7	2	20	V	0.1	0.3	3.59	1
180970057	2012	7	2	21	V	0.1	0.7	2.52	357
180970057	2012	7	2	22	V	0.1	1.1	3.71	294
180970057	2012	7	2	23	V	0.09	0.6	3.86	307
180970057	2012	7	2	24	V	0.4	0.6	1.37	296
180970057	2012	7	3	1	V	0.3	0.3	5.05	246
180970057	2012	7	3	2	V	0.4	0.4	4.68	252
180970057	2012	7	3	3	V	0.4	0.6	3.75	251
180970057	2012	7	3	4	V	0.6	0.7	2.83	255
180970057	2012	7	3	5	V	1.6	0.8	1.79	247
180970057	2012	7	3	6	V	43.0	0.9	1.81	177
180970057	2012	7	3	7	V	63.5	2.5	3.01	189
180970057	2012	7	3	8	V	1.1	4.4	4.09	222
180970057	2012	7	3	9	V	0.5	3.3	4.75	233
180970057	2012	7	3	10	V	0.5	2.4	5.04	236
180970057	2012	7	3	11	V	0.8	1.8	3.78	254
180970057	2012	7	3	12	V	1.9	1.3	2.42	290
180970057	2012	7	3	13	V	6.1	16	2.69	186
180970057	2012	7	3	14	V	4.7	6.6	3.88	219
180970057	2012	7	3	15	V	3.5	9.5	4	222
180970057	2012	7	3	16	V	0.5	-999	5.26	260
180970057	2012	7	3	17	V	0.4	1.1	4.87	243
180970057	2012	7	3	18	V	0.3	0.9	5.28	247
180970057	2012	7	3	19	V	0.5	1	5.38	243
180970057	2012	7	3	20	V	0.6	1	4.87	251
180970057	2012	7	3	21	V	0.6	1	2.89	238
180970057	2012	7	3	22	V	1.2	1.1	1.99	243
180970057	2012	7	3	23	V	0.1	-999	2.68	220
180970057	2012	7	3	24	V	0.1	-999	3.86	221
180970057	2012	7	4	1	V	0.2	1.3	2.36	246
180970057	2012	7	4	2	V	0.2	1.2	3.86	233

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	4	3	V	0.1	1.4	4.86	234
180970057	2012	7	4	4	V	0.2	1.1	4.36	242
180970057	2012	7	4	5	V	0.4	1	3.36	237
180970057	2012	7	4	6	V	1.0	0.8	2.86	246
180970057	2012	7	4	7	V	1.6	0.9	2.86	233
180970057	2012	7	4	8	M	-999	1.3	1.76	999
180970057	2012	7	4	9	V	2.3	1.6	2.11	260
180970057	2012	7	4	10	V	1.5	1.8	2.69	261
180970057	2012	7	4	11	V	1.0	1.5	3.37	267
180970057	2012	7	4	12	V	0.9	1.1	3.59	254
180970057	2012	7	4	13	V	0.7	0.8	4.17	271
180970057	2012	7	4	14	V	0.7	0.9	4.07	268
180970057	2012	7	4	15	V	0.5	0.6	4.42	284
180970057	2012	7	4	16	V	0.4	0.5	4.75	293
180970057	2012	7	4	17	V	0.3	0.5	4.51	310
180970057	2012	7	4	18	V	0.1	0.5	4.83	295
180970057	2012	7	4	19	V	0.04	0.6	4.76	306
180970057	2012	7	4	20	V	0.06	0.6	4.05	302
180970057	2012	7	4	21	V	0.06	0.5	2.84	309
180970057	2012	7	4	22	V	0.3	0.7	1.82	301
180970057	2012	7	4	23	V	0.2	1	2.11	297
180970057	2012	7	4	24	V	1.4	0.8	1.76	272
180970057	2012	7	5	1	V	0.4	0.7	1.91	237
180970057	2012	7	5	2	V	2.3	0.8	2.95	204
180970057	2012	7	5	3	V	0.09	0.9	2.5	220
180970057	2012	7	5	4	V	0.4	1.2	1.86	244
180970057	2012	7	5	5	V	1.8	1.3	2.21	222
180970057	2012	7	5	6	V	1.6	1	2.66	260
180970057	2012	7	5	7	V	1.3	1.7	2.64	256
180970057	2012	7	5	8	V	0.9	2.4	3.18	256
180970057	2012	7	5	9	V	0.8	2.8	3.59	277
180970057	2012	7	5	10	V	1.3	2.6	2.83	293
180970057	2012	7	5	11	V	0.6	1.2	3.95	281
180970057	2012	7	5	12	V	0.4	1.1	4.46	297
180970057	2012	7	5	13	V	0.5	1.2	4.22	298
180970057	2012	7	5	14	V	0.5	1	4.2	301
180970057	2012	7	5	15	V	0.3	1	5.29	300
180970057	2012	7	5	16	V	0.3	0.9	5.33	290
180970057	2012	7	5	17	V	0.2	0.8	5.14	302
180970057	2012	7	5	18	V	0.1	1	5.29	335
180970057	2012	7	5	19	V	0.03	0.8	5.85	323
180970057	2012	7	5	20	V	0.09	0.8	4.02	320
180970057	2012	7	5	21	V	0.09	0.7	2.76	336
180970057	2012	7	5	22	V	0.2	0.8	1.82	335
180970057	2012	7	5	23	V	7.4	0.8	0.7	306
180970057	2012	7	5	24	V	0.4	0.8	1.79	282

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	6	1	V	0.3	0.9	1.87	282
180970057	2012	7	6	2	V	4.9	1.9	0.82	272
180970057	2012	7	6	3	V	2.1	1.3	0.99	155
180970057	2012	7	6	4	V	0.2	1.3	1.96	356
180970057	2012	7	6	5	V	1.5	1.1	1.67	134
180970057	2012	7	6	6	V	2.8	0.9	2.03	250
180970057	2012	7	6	7	V	4.1	1.2	1.71	268
180970057	2012	7	6	8	V	7.3	2.4	0.99	321
180970057	2012	7	6	9	V	5.1	3.3	1.21	339
180970057	2012	7	6	10	V	4.2	5.4	1.3	315
180970057	2012	7	6	11	V	2.2	1.2	2.21	286
180970057	2012	7	6	12	V	1.7	0.9	2.56	276
180970057	2012	7	6	13	V	1.2	0.7	3.05	282
180970057	2012	7	6	14	V	0.9	0.7	3.47	303
180970057	2012	7	6	15	V	0.6	0.6	3.93	336
180970057	2012	7	6	16	V	0.6	0.6	3.86	300
180970057	2012	7	6	17	V	0.4	0.7	4.22	315
180970057	2012	7	6	18	V	0.2	1.3	3.64	336
180970057	2012	7	6	19	V	0.07	0.7	3.17	304
180970057	2012	7	6	20	V	0.06	1	4.36	327
180970057	2012	7	6	21	V	0.06	0.7	3.17	340
180970057	2012	7	6	22	V	0.09	0.6	2.49	1
180970057	2012	7	6	23	V	0.2	0.5	2.08	334
180970057	2012	7	6	24	V	0.5	0.8	1.55	141
180970057	2012	7	7	1	V	10.0	0.9	0.58	230
180970057	2012	7	7	2	V	2.1	0.9	1.11	272
180970057	2012	7	7	3	V	0.5	0.8	1.67	233
180970057	2012	7	7	4	V	0.3	0.8	1.69	294
180970057	2012	7	7	5	V	1.8	0.7	1.67	300
180970057	2012	7	7	6	V	14.6	0.6	0.89	302
180970057	2012	7	7	7	V	19.0	0.6	0.94	317
180970057	2012	7	7	8	V	15.2	0.6	0.52	9
180970057	2012	7	7	9	V	5.8	0.8	0.84	360
180970057	2012	7	7	10	V	2.3	1	1.98	269
180970057	2012	7	7	11	V	0.9	0.8	3.15	283
180970057	2012	7	7	12	V	0.6	0.7	4.29	273
180970057	2012	7	7	13	V	0.6	0.5	4.14	282
180970057	2012	7	7	14	V	0.5	0.5	4.8	329
180970057	2012	7	7	15	V	0.4	0.5	4.43	339
180970057	2012	7	7	16	V	0.4	0.5	4.49	325
180970057	2012	7	7	17	V	0.2	0.5	5.14	319
180970057	2012	7	7	18	V	0.2	0.6	4.37	316
180970057	2012	7	7	19	V	0.07	0.7	4.42	340
180970057	2012	7	7	20	V	0.09	0.8	4.26	347
180970057	2012	7	7	21	V	0.8	0.7	3.54	35
180970057	2012	7	7	22	V	0.1	0.5	2.11	130

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	7	23	V	6.2	-999	0.67	274
180970057	2012	7	7	24	V	1.7	0.9	1.45	244
180970057	2012	7	8	1	V	0.2	0.8	3.01	238
180970057	2012	7	8	2	V	0.05	1.5	2.86	313
180970057	2012	7	8	3	V	0.06	0.9	3.85	353
180970057	2012	7	8	4	V	0.06	0.5	3.22	1
180970057	2012	7	8	5	V	0.6	0.5	3.13	1
180970057	2012	7	8	6	V	1.2	0.5	4.2	24
180970057	2012	7	8	7	V	3.2	1.6	3.56	26
180970057	2012	7	8	8	V	4.3	1.9	3.27	29
180970057	2012	7	8	9	V	9.0	6.9	2.57	34
180970057	2012	7	8	10	V	8.5	4.9	2.88	36
180970057	2012	7	8	11	V	0.8	2.1	5.12	24
180970057	2012	7	8	12	V	6.8	4.3	4.48	36
180970057	2012	7	8	13	V	0.2	4.2	5.48	19
180970057	2012	7	8	14	V	0.1	3	6.97	18
180970057	2012	7	8	15	V	0.09	1.8	7.79	360
180970057	2012	7	8	16	V	0.1	1	5.39	9
180970057	2012	7	8	17	V	0.1	0.8	4.1	14
180970057	2012	7	8	18	V	0.06	0.6	4.27	5
180970057	2012	7	8	19	V	0.06	0.6	5.04	17
180970057	2012	7	8	20	V	0.08	0.7	4.41	29
180970057	2012	7	8	21	V	0.08	0.8	3.27	11
180970057	2012	7	8	22	V	0.1	0.6	2.4	325
180970057	2012	7	8	23	V	0.1	0.5	3.01	334
180970057	2012	7	8	24	V	0.08	0.5	2.62	346
180970057	2012	7	9	1	V	0.06	0.4	2.86	357
180970057	2012	7	9	2	V	0.1	0.4	2.49	354
180970057	2012	7	9	3	V	0.09	0.3	2.91	10
180970057	2012	7	9	4	V	0.3	1	3.76	32
180970057	2012	7	9	5	V	0.9	0.9	3.86	27
180970057	2012	7	9	6	V	3.6	1.7	4.03	32
180970057	2012	7	9	7	V	12.4	1.9	3.73	44
180970057	2012	7	9	8	V	8.3	1.3	3.81	51
180970057	2012	7	9	9	V	0.8	1.3	4.6	77
180970057	2012	7	9	10	V	0.4	1.5	4.65	97
180970057	2012	7	9	11	V	0.5	1.2	4.34	99
180970057	2012	7	9	12	V	0.5	1	4.19	120
180970057	2012	7	9	13	V	3.9	0.6	3.74	64
180970057	2012	7	9	14	V	1.5	0.6	3.18	86
180970057	2012	7	9	15	V	0.7	3.7	3.13	99
180970057	2012	7	9	16	V	3.7	2.4	3.2	68
180970057	2012	7	9	17	V	9.5	3.2	4.07	43
180970057	2012	7	9	18	V	1.2	1.5	3.24	68
180970057	2012	7	9	19	V	0.07	1.8	3.22	72
180970057	2012	7	9	20	V	0.08	7.6	3.64	32

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	9	21	V	0.06	0.7	3.61	9
180970057	2012	7	9	22	V	0.06	0.6	3.54	11
180970057	2012	7	9	23	V	0.3	0.6	2.49	35
180970057	2012	7	9	24	V	1.7	0.7	2.39	38
180970057	2012	7	10	1	V	0.07	0.5	2.76	23
180970057	2012	7	10	2	V	0.05	0.6	3.54	32
180970057	2012	7	10	3	V	0.04	0.6	3.74	27
180970057	2012	7	10	4	V	2.4	0.6	3.05	53
180970057	2012	7	10	5	V	12.2	1.2	3.05	43
180970057	2012	7	10	6	V	3.4	1	3.52	30
180970057	2012	7	10	7	V	1.7	0.7	3.68	22
180970057	2012	7	10	8	V	5.6	2.4	4.49	34
180970057	2012	7	10	9	V	6.0	4.4	4.03	40
180970057	2012	7	10	10	V	7.0	20.3	5.41	49
180970057	2012	7	10	11	V	4.6	3.8	5.16	61
180970057	2012	7	10	12	V	5.8	4.2	4.78	44
180970057	2012	7	10	13	V	5.1	1	4.25	41
180970057	2012	7	10	14	V	4.4	3.5	4.22	61
180970057	2012	7	10	15	V	4.7	0.8	3.54	38
180970057	2012	7	10	16	V	3.7	0.5	3.98	26
180970057	2012	7	10	17	V	7.1	0.6	4.32	36
180970057	2012	7	10	18	V	0.1	1.8	5.18	17
180970057	2012	7	10	19	V	0.03	0.6	5.56	23
180970057	2012	7	10	20	V	0.03	0.7	5.94	14
180970057	2012	7	10	21	V	0.05	0.8	4.51	22
180970057	2012	7	10	22	V	0.06	0.9	3.32	9
180970057	2012	7	10	23	V	0.04	0.8	4.75	4
180970057	2012	7	10	24	V	0.05	1.4	3.46	24
180970057	2012	7	11	1	V	0.06	0.8	4.05	72
180970057	2012	7	11	2	V	0.03	0.6	4.65	77
180970057	2012	7	11	3	V	0.05	0.5	3.95	73
180970057	2012	7	11	4	V	0.05	0.5	3.64	75
180970057	2012	7	11	5	V	0.4	0.4	3.74	75
180970057	2012	7	11	6	V	1.7	0.5	3.74	67
180970057	2012	7	11	7	V	1.3	1	4.37	69
180970057	2012	7	11	8	V	0.3	1.4	5	78
180970057	2012	7	11	9	V	0.3	2	5.44	87
180970057	2012	7	11	10	V	0.3	2	5.89	86
180970057	2012	7	11	11	V	0.4	2.2	5.27	97
180970057	2012	7	11	12	V	1.3	1.6	4.6	79
180970057	2012	7	11	13	V	3.4	1.5	4.08	67
180970057	2012	7	11	14	V	0.7	1.9	3.56	90
180970057	2012	7	11	15	V	4.5	1.3	3.63	65
180970057	2012	7	11	16	V	5.9	3.2	3.63	56
180970057	2012	7	11	17	V	10.0	3	4.46	44
180970057	2012	7	11	18	V	6.4	0.7	4.22	37

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	11	19	V	0.04	0.6	4.71	69
180970057	2012	7	11	20	V	0.03	0.5	5.44	74
180970057	2012	7	11	21	V	0.03	0.6	4.92	70
180970057	2012	7	11	22	V	0.03	0.5	5.43	73
180970057	2012	7	11	23	V	0.03	0.5	5.63	72
180970057	2012	7	11	24	V	0.03	0.5	5.04	71
180970057	2012	7	12	1	V	0.02	0.5	5.38	71
180970057	2012	7	12	2	V	0.02	0.7	5.5	78
180970057	2012	7	12	3	V	0.04	1.5	4.29	88
180970057	2012	7	12	4	V	0.04	1.1	4.27	77
180970057	2012	7	12	5	V	0.2	1.2	4.43	75
180970057	2012	7	12	6	V	0.4	1.5	4	76
180970057	2012	7	12	7	V	0.7	2.1	3.8	81
180970057	2012	7	12	8	V	1.0	3.9	3.61	80
180970057	2012	7	12	9	V	2.9	4.8	3.03	72
180970057	2012	7	12	10	V	3.7	12.5	3.47	61
180970057	2012	7	12	11	V	3.5	3.8	4.46	66
180970057	2012	7	12	12	V	1.9	2.6	4.25	78
180970057	2012	7	12	13	V	1.7	4.8	3.23	85
180970057	2012	7	12	14	V	0.4	1.5	4.78	102
180970057	2012	7	12	15	V	0.4	1.2	4.68	99
180970057	2012	7	12	16	V	1.3	1.5	4.7	77
180970057	2012	7	12	17	V	0.3	4.5	4.82	106
180970057	2012	7	12	18	V	0.09	2	6.31	128
180970057	2012	7	12	19	V	0.02	3	6.74	127
180970057	2012	7	12	20	V	0.03	3.1	5.38	133
180970057	2012	7	12	21	V	0.06	3.6	4.25	146
180970057	2012	7	12	22	V	0.07	1.8	3.64	145
180970057	2012	7	12	23	V	0.05	1.2	4.49	167
180970057	2012	7	12	24	V	0.07	0.7	3.76	169
180970057	2012	7	13	1	V	0.05	0.4	3.61	155
180970057	2012	7	13	2	V	0.04	0.4	3.01	148
180970057	2012	7	13	3	V	0.06	0.3	2.76	142
180970057	2012	7	13	4	V	0.05	0.3	2.93	125
180970057	2012	7	13	5	V	0.5	0.3	2.89	122
180970057	2012	7	13	6	V	1.9	0.2	2.44	117
180970057	2012	7	13	7	V	1.6	0.3	2.61	116
180970057	2012	7	13	8	V	1.9	0.4	2.32	131
180970057	2012	7	13	9	V	2.1	0.5	2.23	132
180970057	2012	7	13	10	V	1.2	0.6	2.83	100
180970057	2012	7	13	11	V	0.7	0.7	3.23	117
180970057	2012	7	13	12	V	0.6	0.9	3.61	111
180970057	2012	7	13	13	V	0.6	0.9	3.95	117
180970057	2012	7	13	14	V	0.5	-999	4.05	146
180970057	2012	7	13	15	V	0.5	0.6	3.95	148
180970057	2012	7	13	16	V	0.5	0.5	3.93	148

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	13	17	V	0.3	0.9	3.8	137
180970057	2012	7	13	18	V	0.1	1.7	4.22	125
180970057	2012	7	13	19	V	0.08	1.7	3.71	137
180970057	2012	7	13	20	V	0.09	2.5	4.03	135
180970057	2012	7	13	21	V	0.09	2.4	3.03	131
180970057	2012	7	13	22	V	0.07	1.7	3.86	155
180970057	2012	7	13	23	V	0.07	-999	3.97	149
180970057	2012	7	13	24	V	0.06	-999	3.95	153
180970057	2012	7	14	1	V	0.05	1.3	3.83	147
180970057	2012	7	14	2	V	0.05	0.7	3.76	147
180970057	2012	7	14	3	V	0.05	0.4	3.63	142
180970057	2012	7	14	4	V	0.07	0.3	2.84	145
180970057	2012	7	14	5	V	0.5	0.2	2.61	143
180970057	2012	7	14	6	V	0.9	0.2	3.07	137
180970057	2012	7	14	7	V	1.4	0.2	3.1	148
180970057	2012	7	14	8	V	0.8	2	2.67	153
180970057	2012	7	14	9	V	62.0	24	3.2	192
180970057	2012	7	14	10	V	26.7	7	3.71	203
180970057	2012	7	14	11	V	32.3	6.5	4.1	200
180970057	2012	7	14	12	V	32.9	9	4.09	187
180970057	2012	7	14	13	V	12.9	20.5	3.27	178
180970057	2012	7	14	14	V	2.2	4.6	3.64	165
180970057	2012	7	14	15	V	0.3	1.4	4.46	156
180970057	2012	7	14	16	V	25.2	1.6	4.36	186
180970057	2012	7	14	17	V	0.7	1.3	5.6	212
180970057	2012	7	14	18	V	0.2	3.4	4.99	212
180970057	2012	7	14	19	V	12.8	10.7	5.33	201
180970057	2012	7	14	20	V	3.3	3.3	4.9	206
180970057	2012	7	14	21	V	34.6	2.4	5.19	191
180970057	2012	7	14	22	V	0.3	2.8	4.93	176
180970057	2012	7	14	23	V	25.6	-999	5.04	189
180970057	2012	7	14	24	V	53.8	4.5	2.84	196
180970057	2012	7	15	1	V	0.7	4	2.98	180
180970057	2012	7	15	2	V	13.6	3.7	3.07	184
180970057	2012	7	15	3	V	0.1	3.1	3.12	172
180970057	2012	7	15	4	V	68.3	4.7	2.44	192
180970057	2012	7	15	5	V	23.5	2.1	3.61	199
180970057	2012	7	15	6	V	12.9	2.1	3.59	207
180970057	2012	7	15	7	V	5.8	2.2	3.95	209
180970057	2012	7	15	8	V	0.4	3.2	4.32	235
180970057	2012	7	15	9	V	0.4	3.6	4.6	259
180970057	2012	7	15	10	V	0.6	2.7	4	252
180970057	2012	7	15	11	V	0.5	2.2	4.09	251
180970057	2012	7	15	12	V	0.6	1.8	3.71	252
180970057	2012	7	15	13	V	0.5	1.5	4.31	254
180970057	2012	7	15	14	V	0.5	0.9	4.51	257

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	15	15	V	0.4	0.6	5.12	239
180970057	2012	7	15	16	V	0.4	0.4	5.7	235
180970057	2012	7	15	17	V	0.2	0.4	6.04	232
180970057	2012	7	15	18	V	0.2	0.4	5.94	252
180970057	2012	7	15	19	V	0.1	0.4	6.24	285
180970057	2012	7	15	20	V	0.08	0.6	3.56	311
180970057	2012	7	15	21	V	0.2	0.6	2.04	284
180970057	2012	7	15	22	V	0.8	0.6	2.89	248
180970057	2012	7	15	23	V	0.3	0.5	4.24	226
180970057	2012	7	15	24	V	0.7	0.7	4.46	245
180970057	2012	7	16	1	V	0.2	0.6	4.15	243
180970057	2012	7	16	2	V	0.06	0.5	3.12	222
180970057	2012	7	16	3	V	0.09	0.4	2.62	225
180970057	2012	7	16	4	V	0.2	0.3	3.08	245
180970057	2012	7	16	5	V	0.4	0.3	2.91	242
180970057	2012	7	16	6	V	1.8	0.4	2.35	251
180970057	2012	7	16	7	V	0.9	0.8	2.96	238
180970057	2012	7	16	8	V	0.7	1.4	3.25	249
180970057	2012	7	16	9	V	0.8	1.6	3.3	260
180970057	2012	7	16	10	V	0.7	1.5	3.57	251
180970057	2012	7	16	11	V	0.6	1.4	3.88	254
180970057	2012	7	16	12	V	0.6	1.1	4.29	240
180970057	2012	7	16	13	V	1.1	1.1	3.69	235
180970057	2012	7	16	14	V	0.9	0.4	3.39	262
180970057	2012	7	16	15	V	0.9	0.3	3.37	250
180970057	2012	7	16	16	V	0.6	0.3	4.29	242
180970057	2012	7	16	17	V	0.5	0.2	3.78	243
180970057	2012	7	16	18	V	0.2	0.3	5.07	245
180970057	2012	7	16	19	V	0.5	0.4	5.55	243
180970057	2012	7	16	20	V	0.2	0.5	4.44	224
180970057	2012	7	16	21	V	0.4	0.5	5.11	235
180970057	2012	7	16	22	V	0.1	0.4	3.76	221
180970057	2012	7	16	23	V	0.1	0.3	3.39	213
180970057	2012	7	16	24	V	0.09	0.5	3.61	219
180970057	2012	7	17	1	V	0.07	0.5	3.15	215
180970057	2012	7	17	2	V	0.09	3.3	3.66	214
180970057	2012	7	17	3	V	0.06	5	4.05	221
180970057	2012	7	17	4	V	0.1	4.1	5.22	235
180970057	2012	7	17	5	V	0.2	1.9	3.61	231
180970057	2012	7	17	6	V	1.5	1.3	2.71	241
180970057	2012	7	17	7	V	6.6	1.6	3.3	218
180970057	2012	7	17	8	V	1.7	2	4.34	221
180970057	2012	7	17	9	V	0.9	2.3	3.49	240
180970057	2012	7	17	10	V	2.8	2.4	3.01	230
180970057	2012	7	17	11	V	3.0	1.8	2.98	230
180970057	2012	7	17	12	V	1.8	0.9	3.05	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	17	13	V	1.3	0.6	3.8	235
180970057	2012	7	17	14	V	0.7	0.4	3.76	256
180970057	2012	7	17	15	V	0.9	0.5	3.93	231
180970057	2012	7	17	16	V	0.5	0.4	4.7	250
180970057	2012	7	17	17	V	0.3	0.4	5.8	261
180970057	2012	7	17	18	V	0.1	0.4	8.17	277
180970057	2012	7	17	19	V	0.5	0.4	5.09	245
180970057	2012	7	17	20	V	0.8	0.6	2.4	240
180970057	2012	7	17	21	V	0.9	0.6	2.64	244
180970057	2012	7	17	22	V	30.4	0.8	2.91	199
180970057	2012	7	17	23	V	33.9	3.6	3.03	186
180970057	2012	7	17	24	V	0.2	5.6	2.66	175
180970057	2012	7	18	1	V	1.8	2.8	2.96	205
180970057	2012	7	18	2	V	0.2	2.2	3.2	233
180970057	2012	7	18	3	V	0.7	2.8	3.07	256
180970057	2012	7	18	4	V	0.2	1.4	2.93	248
180970057	2012	7	18	5	V	17.2	1.2	2.45	207
180970057	2012	7	18	6	V	26.3	1.3	2.84	209
180970057	2012	7	18	7	V	19.2	2	2.45	216
180970057	2012	7	18	8	V	1.4	3.2	2.76	238
180970057	2012	7	18	9	V	3.6	3.9	2.55	229
180970057	2012	7	18	10	V	2.8	3.4	2.01	243
180970057	2012	7	18	11	V	1.4	2.6	2.96	248
180970057	2012	7	18	12	V	0.7	1.2	3.9	254
180970057	2012	7	18	13	V	0.5	0.6	4.7	249
180970057	2012	7	18	14	V	12.3	3.9	7.71	181
180970057	2012	7	18	15	V	2.8	3.1	4.34	164
180970057	2012	7	18	16	V	0.5	12.8	3.15	152
180970057	2012	7	18	17	V	0.3	2.8	3.2	151
180970057	2012	7	18	18	V	7.8	4.2	1.62	202
180970057	2012	7	18	19	V	0.1	7.6	3.08	99
180970057	2012	7	18	20	V	0.1	2	3.32	121
180970057	2012	7	18	21	V	0.1	1	3.93	127
180970057	2012	7	18	22	V	0.1	0.5	3.54	134
180970057	2012	7	18	23	V	0.06	0.5	4.99	152
180970057	2012	7	18	24	V	27.9	0.4	4.03	185
180970057	2012	7	19	1	V	0.06	0.9	5.26	174
180970057	2012	7	19	2	V	0.02	0.5	6.53	161
180970057	2012	7	19	3	V	0.05	0.3	5.75	174
180970057	2012	7	19	4	V	19.5	1.3	5.12	189
180970057	2012	7	19	5	V	16.0	1.5	4.48	203
180970057	2012	7	19	6	V	1.9	0.5	3.15	222
180970057	2012	7	19	7	V	4.7	1.6	1.59	285
180970057	2012	7	19	8	V	9.9	3	1.16	116
180970057	2012	7	19	9	V	2.4	5	2.04	95
180970057	2012	7	19	10	V	14.2	4.2	4.29	47

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	19	11	V	0.3	3.1	4.85	107
180970057	2012	7	19	12	V	0.3	2.6	5.07	125
180970057	2012	7	19	13	V	0.2	2.2	5.63	126
180970057	2012	7	19	14	V	0.2	1.9	6.04	152
180970057	2012	7	19	15	V	6.3	4.6	5.62	176
180970057	2012	7	19	16	V	24.6	5.4	4.68	192
180970057	2012	7	19	17	V	4.6	10	6.06	177
180970057	2012	7	19	18	V	0.08	2.1	5.96	160
180970057	2012	7	19	19	V	9.3	0.9	5.02	184
180970057	2012	7	19	20	V	5.2	2.5	4.09	48
180970057	2012	7	19	21	V	0.09	0.9	2.33	119
180970057	2012	7	19	22	V	1.6	0.4	1.31	241
180970057	2012	7	19	23	V	1.1	0.3	2.32	275
180970057	2012	7	19	24	V	0.1	0.4	2.4	300
180970057	2012	7	20	1	V	0.06	0.2	3.73	329
180970057	2012	7	20	2	V	0.06	0.1	4.17	353
180970057	2012	7	20	3	V	0.05	0.1	4.73	356
180970057	2012	7	20	4	V	0.06	0.1	4.22	349
180970057	2012	7	20	5	V	0.2	0	3.74	347
180970057	2012	7	20	6	V	0.4	0	3.52	343
180970057	2012	7	20	7	V	0.2	0	4.29	344
180970057	2012	7	20	8	V	0.2	0	4.17	320
180970057	2012	7	20	9	V	0.2	0	5.17	356
180970057	2012	7	20	10	V	0.2	0	5.38	16
180970057	2012	7	20	11	V	0.2	0.1	6.09	23
180970057	2012	7	20	12	V	1.8	0	5.75	30
180970057	2012	7	20	13	V	4.7	0.1	5.14	34
180970057	2012	7	20	14	V	0.4	0.1	5.84	21
180970057	2012	7	20	15	V	1.1	1.4	5.94	29
180970057	2012	7	20	16	V	7.4	1	6.07	38
180970057	2012	7	20	17	V	5.6	5.7	5.56	36
180970057	2012	7	20	18	V	0.7	5.6	6.18	38
180970057	2012	7	20	19	V	1.3	4.6	5.14	45
180970057	2012	7	20	20	V	3.3	5.1	4.26	45
180970057	2012	7	20	21	V	2.5	2.9	3.3	43
180970057	2012	7	20	22	V	0.06	1	2.89	71
180970057	2012	7	20	23	V	0.06	0.6	2.81	88
180970057	2012	7	20	24	V	0.1	0.4	2.49	91
180970057	2012	7	21	1	V	0.08	0.3	2.44	95
180970057	2012	7	21	2	V	0.1	0.2	1.94	90
180970057	2012	7	21	3	V	5.4	0.2	1.72	58
180970057	2012	7	21	4	V	0.1	0.2	2.16	344
180970057	2012	7	21	5	V	1.6	0.2	1.64	18
180970057	2012	7	21	6	V	11.3	0.2	1.18	16
180970057	2012	7	21	7	V	2.7	0.3	1.64	348
180970057	2012	7	21	8	V	10.8	2.9	1.23	51

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	21	9	V	6.9	16.5	1.69	41
180970057	2012	7	21	10	V	6.3	14.8	2.5	45
180970057	2012	7	21	11	V	4.8	4	3.3	32
180970057	2012	7	21	12	V	5.3	2.2	2.98	42
180970057	2012	7	21	13	V	3.4	4.1	3.44	68
180970057	2012	7	21	14	V	5.1	2.5	2.98	53
180970057	2012	7	21	15	V	3.6	3.3	2.2	38
180970057	2012	7	21	16	V	4.6	3.4	2.79	32
180970057	2012	7	21	17	V	3.0	1.3	2.78	25
180970057	2012	7	21	18	V	1.9	2.1	3.78	34
180970057	2012	7	21	19	V	0.1	6.6	3.46	28
180970057	2012	7	21	20	V	3.4	3	3.39	40
180970057	2012	7	21	21	V	5.7	1.4	2.86	45
180970057	2012	7	21	22	V	0.1	1.2	2.25	106
180970057	2012	7	21	23	V	0.3	-999	1.69	91
180970057	2012	7	21	24	V	0.3	0.9	1.64	100
180970057	2012	7	22	1	V	1.1	0.7	1.18	148
180970057	2012	7	22	2	V	0.3	0.5	2.37	177
180970057	2012	7	22	3	V	84.5	0.4	1.38	189
180970057	2012	7	22	4	V	0.5	0.4	1.4	159
180970057	2012	7	22	5	V	1.9	0.3	1.28	132
180970057	2012	7	22	6	V	49.1	0.2	1.6	189
180970057	2012	7	22	7	V	23.7	0.3	1.42	181
180970057	2012	7	22	8	V	15.0	1.4	1.33	177
180970057	2012	7	22	9	V	2.4	6.5	3.54	223
180970057	2012	7	22	10	V	0.7	4.9	3.91	235
180970057	2012	7	22	11	V	1.1	1.7	3.01	262
180970057	2012	7	22	12	V	4.0	1.3	1.99	232
180970057	2012	7	22	13	V	2.8	1.3	1.99	299
180970057	2012	7	22	14	V	1.9	2.2	1.96	311
180970057	2012	7	22	15	V	3.9	10.5	2.66	224
180970057	2012	7	22	16	V	10.8	37.1	2.08	207
180970057	2012	7	22	17	V	1.6	25.4	3.32	165
180970057	2012	7	22	18	V	0.1	12.7	4.58	158
180970057	2012	7	22	19	V	0.04	2.1	5.63	151
180970057	2012	7	22	20	V	0.04	2	6.04	155
180970057	2012	7	22	21	V	0.04	1.7	4.87	164
180970057	2012	7	22	22	V	0.5	1.7	4.36	176
180970057	2012	7	22	23	V	8.5	6.9	3.42	183
180970057	2012	7	22	24	V	6.5	11.5	3.3	183
180970057	2012	7	23	1	V	82.7	10.4	2.74	192
180970057	2012	7	23	2	V	0.8	11.1	3.13	206
180970057	2012	7	23	3	V	0.3	3.7	2.66	210
180970057	2012	7	23	4	V	73.9	9.7	2.28	193
180970057	2012	7	23	5	V	14.6	4.6	3.05	204
180970057	2012	7	23	6	V	23.9	6.8	3.01	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	23	7	V	9.9	7.1	3.12	215
180970057	2012	7	23	8	V	0.3	8.1	5.05	229
180970057	2012	7	23	9	V	0.4	5.7	5.34	237
180970057	2012	7	23	10	V	0.3	4.3	6.84	247
180970057	2012	7	23	11	V	0.2	2.4	8.16	256
180970057	2012	7	23	12	V	0.3	1.4	7.37	248
180970057	2012	7	23	13	V	0.3	1.1	7.47	240
180970057	2012	7	23	14	V	0.4	0.9	7.25	241
180970057	2012	7	23	15	V	0.3	0.9	7.11	253
180970057	2012	7	23	16	V	0.3	0.8	7.2	260
180970057	2012	7	23	17	V	0.2	1.1	7.89	244
180970057	2012	7	23	18	V	0.2	1	7.64	255
180970057	2012	7	23	19	V	0.5	0.8	6.81	251
180970057	2012	7	23	20	V	0.2	1.2	5.58	229
180970057	2012	7	23	21	V	0.07	0.9	5.41	218
180970057	2012	7	23	22	V	0.1	0.8	5.6	223
180970057	2012	7	23	23	V	0.3	1.2	5.75	233
180970057	2012	7	23	24	V	0.3	1.7	6.26	235
180970057	2012	7	24	1	V	0.1	1.4	6.52	237
180970057	2012	7	24	2	V	0.2	1.5	6.65	243
180970057	2012	7	24	3	V	0.2	1.3	7.06	239
180970057	2012	7	24	4	V	0.2	1.3	6.36	241
180970057	2012	7	24	5	V	0.3	1.5	4.43	277
180970057	2012	7	24	6	V	0.7	1.6	2.96	245
180970057	2012	7	24	7	V	17.3	1.6	3.08	212
180970057	2012	7	24	8	V	6.8	1.4	3.61	215
180970057	2012	7	24	9	V	0.8	2.3	3.61	219
180970057	2012	7	24	10	V	0.3	3.2	5.55	278
180970057	2012	7	24	11	V	0.1	3	7.69	19
180970057	2012	7	24	12	V	1.3	2.6	2.95	87
180970057	2012	7	24	13	V	1.7	1.1	3	82
180970057	2012	7	24	14	V	7.3	4	1.79	181
180970057	2012	7	24	15	V	1.0	1.8	2.67	255
180970057	2012	7	24	16	V	0.3	0.3	3.71	303
180970057	2012	7	24	17	V	0.1	0.3	5.34	334
180970057	2012	7	24	18	V	0.09	0.5	3.97	329
180970057	2012	7	24	19	V	0.09	0.7	3.95	348
180970057	2012	7	24	20	V	0.09	0.7	3.64	23
180970057	2012	7	24	21	V	0.1	0.6	5.51	35
180970057	2012	7	24	22	V	1.6	1.5	4.66	43
180970057	2012	7	24	23	V	0.1	1.4	3.47	65
180970057	2012	7	24	24	V	0.09	0.6	3.23	78
180970057	2012	7	25	1	V	0.06	0.3	2.96	96
180970057	2012	7	25	2	V	0.05	0.6	2.86	116
180970057	2012	7	25	3	V	0.09	0.6	2.36	93
180970057	2012	7	25	4	V	0.04	1	3.36	106

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	25	5	V	0.4	2.3	2.86	118
180970057	2012	7	25	6	V	0.2	1	5.36	106
180970057	2012	7	25	7	V	0.3	2.4	4.86	117
180970057	2012	7	25	8	V	0.2	3.6	6.46	129
180970057	2012	7	25	9	V	0.2	-999	5.36	127
180970057	2012	7	25	10	V	10.9	-999	3.86	174
180970057	2012	7	25	11	V	10.9	7.2	4.36	180
180970057	2012	7	25	12	V	10.6	6.2	4.36	196
180970057	2012	7	25	13	M	-999	14.9	3.36	999
180970057	2012	7	25	14	V	1.0	13.7	8.46	218
180970057	2012	7	25	15	V	1.3	2.9	3.86	233
180970057	2012	7	25	16	V	0.4	1.2	5.96	239
180970057	2012	7	25	17	V	0.1	0.8	7.96	224
180970057	2012	7	25	18	V	0.2	1	6.46	214
180970057	2012	7	25	19	V	0.09	0.7	6.46	223
180970057	2012	7	25	20	V	0.6	0.9	5.36	208
180970057	2012	7	25	21	V	0.4	1.2	4.86	209
180970057	2012	7	25	22	V	14.6	7.9	4.86	200
180970057	2012	7	25	23	V	0.06	7.3	9.06	219
180970057	2012	7	25	24	V	0.05	11.7	6.96	217
180970057	2012	7	26	1	V	0.04	7.2	8.96	220
180970057	2012	7	26	2	V	0.08	2.4	8.46	230
180970057	2012	7	26	3	V	0.05	2.3	8.46	226
180970057	2012	7	26	4	V	0.04	2.1	7.96	217
180970057	2012	7	26	5	V	0.08	1.7	7.6	222
180970057	2012	7	26	6	V	0.1	1.5	6.89	220
180970057	2012	7	26	7	V	0.2	1.6	7.3	236
180970057	2012	7	26	8	V	0.1	1.7	7.06	234
180970057	2012	7	26	9	V	0.3	1.8	8.05	240
180970057	2012	7	26	10	V	0.2	1.6	7.52	260
180970057	2012	7	26	11	V	0.2	1.7	5.73	268
180970057	2012	7	26	12	V	0.3	1.7	5.5	282
180970057	2012	7	26	13	V	0.6	1.3	3.73	259
180970057	2012	7	26	14	V	0.3	0.9	6.04	253
180970057	2012	7	26	15	V	0.2	0.5	7.06	268
180970057	2012	7	26	16	V	0.1	0.5	9.05	276
180970057	2012	7	26	17	V	0.08	0.7	8.54	293
180970057	2012	7	26	18	V	0.08	0.7	7.91	281
180970057	2012	7	26	19	V	0.06	0.6	7.62	288
180970057	2012	7	26	20	V	0.03	0.6	6.48	304
180970057	2012	7	26	21	V	0.08	0.3	3.61	302
180970057	2012	7	26	22	V	0.09	0.3	2.45	288
180970057	2012	7	26	23	V	0.1	0.2	2.44	292
180970057	2012	7	26	24	V	0.5	0.4	2.88	279
180970057	2012	7	27	1	V	0.8	0.3	2.93	258
180970057	2012	7	27	2	V	0.7	0.3	3.58	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	27	3	V	0.8	0.2	3.46	274
180970057	2012	7	27	4	V	0.4	0.2	3.35	250
180970057	2012	7	27	5	V	0.4	0.2	3.22	249
180970057	2012	7	27	6	V	1.0	0.3	2.93	233
180970057	2012	7	27	7	V	0.5	0.4	4.32	241
180970057	2012	7	27	8	V	0.4	0.6	4.97	262
180970057	2012	7	27	9	V	0.8	0.8	3.54	262
180970057	2012	7	27	10	V	0.9	1.3	3.42	250
180970057	2012	7	27	11	V	0.7	1	4.15	248
180970057	2012	7	27	12	V	1.3	0.8	3.93	236
180970057	2012	7	27	13	V	4.2	1.2	6.01	215
180970057	2012	7	27	14	V	0.5	0.6	5.6	242
180970057	2012	7	27	15	V	18.0	1.7	4.22	203
180970057	2012	7	27	16	V	11.1	2	4	208
180970057	2012	7	27	17	V	0.3	2.4	3.59	127
180970057	2012	7	27	18	V	0.3	3.9	2.52	113
180970057	2012	7	27	19	V	0.02	5.2	7.82	311
180970057	2012	7	27	20	V	0.02	1.3	6.57	324
180970057	2012	7	27	21	V	0.06	1	4.1	312
180970057	2012	7	27	22	V	0.05	0.7	3.59	305
180970057	2012	7	27	23	V	0.04	0.7	3.22	305
180970057	2012	7	27	24	V	0.06	0.5	3.44	338
180970057	2012	7	28	1	V	0.06	0.5	2.54	325
180970057	2012	7	28	2	V	0.2	0.4	1.84	293
180970057	2012	7	28	3	V	0.03	0.4	3.66	328
180970057	2012	7	28	4	V	0.09	0.3	2.27	310
180970057	2012	7	28	5	V	0.4	0.2	2.42	304
180970057	2012	7	28	6	V	0.4	0.1	3.95	328
180970057	2012	7	28	7	V	0.4	0.2	3.71	331
180970057	2012	7	28	8	V	0.3	0.3	3.9	349
180970057	2012	7	28	9	V	0.3	0.3	4.58	356
180970057	2012	7	28	10	V	0.3	0.3	5.05	357
180970057	2012	7	28	11	V	0.3	0.3	4.75	347
180970057	2012	7	28	12	V	0.3	0.2	5.12	15
180970057	2012	7	28	13	V	1.0	0.7	4.34	17
180970057	2012	7	28	14	V	0.8	0.5	3.74	13
180970057	2012	7	28	15	V	0.5	0.3	3.73	9
180970057	2012	7	28	16	V	0.3	0.2	4.09	357
180970057	2012	7	28	17	V	0.2	0.2	4.1	358
180970057	2012	7	28	18	V	0.06	0.2	5.17	354
180970057	2012	7	28	19	V	0.04	0.3	5.34	351
180970057	2012	7	28	20	V	0.05	0.4	5	4
180970057	2012	7	28	21	V	0.09	0.4	3.57	24
180970057	2012	7	28	22	V	0.07	0.5	3.18	19
180970057	2012	7	28	23	V	0.2	-999	1.82	356
180970057	2012	7	28	24	V	0.1	0.4	2.03	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	29	1	V	0.1	0.3	1.86	8
180970057	2012	7	29	2	V	0.3	0.3	1.57	3
180970057	2012	7	29	3	V	0.6	0.3	1.31	12
180970057	2012	7	29	4	V	0.1	0.3	2.13	21
180970057	2012	7	29	5	V	0.3	0.3	1.43	343
180970057	2012	7	29	6	V	7.7	0.2	1.09	357
180970057	2012	7	29	7	V	8.4	0.3	1.14	355
180970057	2012	7	29	8	V	5.5	0.6	1.33	52
180970057	2012	7	29	9	V	6.6	1.7	1.04	90
180970057	2012	7	29	10	V	4.0	12	1.67	175
180970057	2012	7	29	11	V	4.8	15.4	2.01	216
180970057	2012	7	29	12	V	2.6	3.5	2.08	305
180970057	2012	7	29	13	V	2.8	1.4	2.21	11
180970057	2012	7	29	14	V	1.0	0.4	3.03	275
180970057	2012	7	29	15	V	0.8	0.7	2.79	291
180970057	2012	7	29	16	V	1.0	1.9	2.35	281
180970057	2012	7	29	17	V	0.7	2.8	2.62	9
180970057	2012	7	29	18	V	2.0	4.6	2.4	62
180970057	2012	7	29	19	V	0.03	1.6	5.85	20
180970057	2012	7	29	20	V	0.5	1.6	4	35
180970057	2012	7	29	21	V	0.07	1.3	3.41	64
180970057	2012	7	29	22	V	0.06	0.7	2.88	99
180970057	2012	7	29	23	V	0.2	0.7	2.01	107
180970057	2012	7	29	24	V	0.2	0.8	1.77	95
180970057	2012	7	30	1	V	0.07	1.1	2.49	99
180970057	2012	7	30	2	V	0.5	2.6	1.38	125
180970057	2012	7	30	3	V	0.03	1.2	3.01	154
180970057	2012	7	30	4	V	0.2	0.8	1.76	122
180970057	2012	7	30	5	V	0.3	0.5	2.86	120
180970057	2012	7	30	6	C	-999	0.7	0	0
180970057	2012	7	30	7	V	1.8	1.2	2.86	145
180970057	2012	7	30	8	V	17.4	1.1	2.36	190
180970057	2012	7	30	9	V	7.1	30.7	1.76	182
180970057	2012	7	30	10	V	1.2	17.3	3.86	156
180970057	2012	7	30	11	V	3.7	6.7	3.86	165
180970057	2012	7	30	12	V	0.5	2.6	4.36	136
180970057	2012	7	30	13	M	-999	2.6	3.36	999
180970057	2012	7	30	14	M	-999	2.6	3.36	999
180970057	2012	7	30	15	V	0.7	2.1	4.36	160
180970057	2012	7	30	16	V	0.3	1.2	4.36	134
180970057	2012	7	30	17	V	0.1	2.6	5.96	135
180970057	2012	7	30	18	M	-999	3.1	3.36	999
180970057	2012	7	30	19	V	0.09	2	3.86	136
180970057	2012	7	30	20	V	0.09	1.5	2.86	116
180970057	2012	7	30	21	V	0.07	1.4	3.36	168
180970057	2012	7	30	22	V	0.1	1.1	2.36	157

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	7	30	23	V	0.1	0.9	2.3	141
180970057	2012	7	30	24	V	0.08	0.7	2.52	151
180970057	2012	7	31	1	V	0.06	0.6	2.47	161
180970057	2012	7	31	2	V	0.04	0.5	2.71	153
180970057	2012	7	31	3	V	0.2	0.5	1.87	148
180970057	2012	7	31	4	V	0.1	0.5	1.91	129
180970057	2012	7	31	5	V	0.5	0.5	1.38	114
180970057	2012	7	31	6	V	3.2	0.6	1.69	108
180970057	2012	7	31	7	V	15.4	1.5	1.35	51
180970057	2012	7	31	8	V	0.4	-999	6.92	26
180970057	2012	7	31	9	V	8.0	-999	5.53	54
180970057	2012	7	31	10	V	0.5	-999	3.9	134
180970057	2012	7	31	11	V	10.5	-999	3.64	176
180970057	2012	7	31	12	V	12.5	45.3	4.29	180
180970057	2012	7	31	13	V	15.4	16.9	4.53	201
180970057	2012	7	31	14	V	0.6	1.2	4.75	234
180970057	2012	7	31	15	V	0.4	1.2	5.56	243
180970057	2012	7	31	16	V	0.6	1	3.74	268
180970057	2012	7	31	17	V	0.4	1.2	3.12	321
180970057	2012	7	31	18	V	0.06	1.2	6.07	13
180970057	2012	7	31	19	V	0.03	0.9	5.53	10
180970057	2012	7	31	20	V	0.09	1.8	3.69	22
180970057	2012	7	31	21	V	6.1	1	2.62	45
180970057	2012	7	31	22	V	0.07	0.8	2.81	13
180970057	2012	7	31	23	V	0.05	0.5	3.36	358
180970057	2012	7	31	24	V	0.04	0.6	3.36	359
180970057	2012	8	1	1	V	0.04	0.2	3.86	12
180970057	2012	8	1	2	V	0.04	0.2	3.36	1
180970057	2012	8	1	3	V	0.04	0.1	2.86	360
180970057	2012	8	1	4	V	0.08	0.1	2.36	4
180970057	2012	8	1	5	V	0.2	0.1	2.86	355
180970057	2012	8	1	6	V	0.7	0.3	2.36	352
180970057	2012	8	1	7	V	1.0	0.4	2.36	357
180970057	2012	8	1	8	V	0.3	0.6	3.86	12
180970057	2012	8	1	9	V	7.0	0.7	3.36	38
180970057	2012	8	1	10	V	5.0	0.6	5.96	34
180970057	2012	8	1	11	V	0.3	0.4	5.96	18
180970057	2012	8	1	12	V	4.8	0.3	5.36	33
180970057	2012	8	1	13	V	0.3	0.3	4.25	348
180970057	2012	8	1	14	V	0.2	0.4	5.46	344
180970057	2012	8	1	15	V	0.2	0.4	4.97	345
180970057	2012	8	1	16	V	0.2	0.5	5	5
180970057	2012	8	1	17	V	0.2	0.4	4.36	345
180970057	2012	8	1	18	V	0.06	0.3	4.71	359
180970057	2012	8	1	19	V	0.03	0.3	5.09	9
180970057	2012	8	1	20	V	0.05	0.7	4.42	23

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	1	21	V	3.4	1.3	3.73	44
180970057	2012	8	1	22	V	0.5	8.8	1.72	29
180970057	2012	8	1	23	V	1.3	1.9	1.76	32
180970057	2012	8	1	24	V	0.08	0.8	2.33	23
180970057	2012	8	2	1	V	0.09	0.5	2.3	27
180970057	2012	8	2	2	V	0.06	0.4	2.47	84
180970057	2012	8	2	3	V	0.3	0.5	1.57	313
180970057	2012	8	2	4	V	0.6	0.5	1.31	356
180970057	2012	8	2	5	V	1.1	0.6	1.09	294
180970057	2012	8	2	6	V	14.9	0.8	0.7	7
180970057	2012	8	2	7	V	3.5	1	1.71	81
180970057	2012	8	2	8	V	3.6	2.6	1.69	104
180970057	2012	8	2	9	V	0.6	1.2	2.95	132
180970057	2012	8	2	10	V	0.4	1.2	3.4	146
180970057	2012	8	2	11	V	10.7	5.2	2.4	177
180970057	2012	8	2	12	V	6.8	20.3	1.79	171
180970057	2012	8	2	13	V	4.1	16.6	1.94	159
180970057	2012	8	2	14	V	0.7	5.5	2.57	147
180970057	2012	8	2	15	V	8.1	6.1	2.54	172
180970057	2012	8	2	16	V	0.3	3.1	3.56	136
180970057	2012	8	2	17	V	0.2	1.4	3.97	139
180970057	2012	8	2	18	V	0.07	1.8	4.56	125
180970057	2012	8	2	19	V	0.05	1.5	4.87	122
180970057	2012	8	2	20	V	0.09	1.2	3.59	122
180970057	2012	8	2	21	V	0.08	4.9	2.66	124
180970057	2012	8	2	22	V	0.07	5.4	2.81	128
180970057	2012	8	2	23	V	0.07	6.1	3.1	133
180970057	2012	8	2	24	V	0.2	3	2.49	175
180970057	2012	8	3	1	V	0.2	2.9	3.25	242
180970057	2012	8	3	2	V	0.6	1.9	4.1	255
180970057	2012	8	3	3	V	0.7	1.5	2.67	266
180970057	2012	8	3	4	V	0.2	1.7	1.76	327
180970057	2012	8	3	5	V	0.9	1.5	1.3	22
180970057	2012	8	3	6	V	0.3	1.8	2.95	106
180970057	2012	8	3	7	V	0.4	2.2	3.44	82
180970057	2012	8	3	8	V	0.4	2.5	3.54	97
180970057	2012	8	3	9	V	0.5	4.5	3.85	126
180970057	2012	8	3	10	V	0.5	2.8	3.64	142
180970057	2012	8	3	11	V	0.5	1.6	3.69	146
180970057	2012	8	3	12	V	0.3	0.9	4.94	156
180970057	2012	8	3	13	V	0.2	0.7	4.68	140
180970057	2012	8	3	14	V	0.1	0.8	7.09	157
180970057	2012	8	3	15	V	0.1	2.2	6.81	165
180970057	2012	8	3	16	V	0.1	0.8	6.28	158
180970057	2012	8	3	17	V	0.08	0.5	4.82	158
180970057	2012	8	3	18	V	0.04	0.4	6.28	146

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	3	19	V	0.02	0.6	5.38	121
180970057	2012	8	3	20	V	0.05	1.2	4.32	122
180970057	2012	8	3	21	V	0.06	2.7	3.78	135
180970057	2012	8	3	22	V	0.03	1.6	4.61	144
180970057	2012	8	3	23	V	0.02	0.6	4.48	157
180970057	2012	8	3	24	V	0.03	0.7	3.8	135
180970057	2012	8	4	1	V	0.03	1.5	3.47	117
180970057	2012	8	4	2	V	0.05	1.6	2.5	85
180970057	2012	8	4	3	V	0.05	0.8	3.22	98
180970057	2012	8	4	4	V	0.04	0.6	3.32	112
180970057	2012	8	4	5	V	0.1	0.9	2.95	113
180970057	2012	8	4	6	V	0.3	0.5	2.84	125
180970057	2012	8	4	7	V	0.4	0.4	3.07	126
180970057	2012	8	4	8	V	0.3	0.3	3.68	133
180970057	2012	8	4	9	V	0.2	0.4	4.68	148
180970057	2012	8	4	10	V	0.2	0.5	4.82	148
180970057	2012	8	4	11	V	0.5	0.8	3.54	152
180970057	2012	8	4	12	V	0.2	0.8	4.51	155
180970057	2012	8	4	13	V	0.2	0.7	5.44	151
180970057	2012	8	4	14	V	0.09	1.6	8.16	166
180970057	2012	8	4	15	V	0.1	2.6	5.24	156
180970057	2012	8	4	16	V	0.1	1.6	6.04	167
180970057	2012	8	4	17	V	0.5	1.6	5.77	174
180970057	2012	8	4	18	V	0.2	3.9	8.1	211
180970057	2012	8	4	19	V	0.2	1.5	9.81	229
180970057	2012	8	4	20	V	0.2	1.4	6.67	228
180970057	2012	8	4	21	V	2.3	1.9	4.9	206
180970057	2012	8	4	22	V	0.2	1.5	4.77	225
180970057	2012	8	4	23	V	0.2	-999	3.52	214
180970057	2012	8	4	24	V	26.4	7	3.83	198
180970057	2012	8	5	1	V	24.9	4.9	4.6	196
180970057	2012	8	5	2	V	42.5	6.7	4.1	193
180970057	2012	8	5	3	V	0.05	3.1	5.17	172
180970057	2012	8	5	4	V	13.8	2.4	5.55	188
180970057	2012	8	5	5	V	0.6	3.4	6.82	259
180970057	2012	8	5	6	V	0.2	0.1	3.71	357
180970057	2012	8	5	7	V	14.7	0.1	4.24	184
180970057	2012	8	5	8	V	3.6	0	2.96	215
180970057	2012	8	5	9	V	0.8	0	3.13	234
180970057	2012	8	5	10	V	0.4	0	4.12	270
180970057	2012	8	5	11	V	0.3	0	4.19	268
180970057	2012	8	5	12	V	0.3	0	4.95	268
180970057	2012	8	5	13	V	0.3	0	4.42	287
180970057	2012	8	5	14	V	0.3	0	4.54	298
180970057	2012	8	5	15	V	0.2	0	5.39	314
180970057	2012	8	5	16	V	0.2	0	4.78	305

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	5	17	V	0.1	0	4.76	333
180970057	2012	8	5	18	V	0.05	0	4.56	320
180970057	2012	8	5	19	V	0.03	0	4.24	318
180970057	2012	8	5	20	V	0.03	0	3.52	310
180970057	2012	8	5	21	V	0.08	0	2.15	331
180970057	2012	8	5	22	V	0.04	0	2.66	335
180970057	2012	8	5	23	V	0.05	0	2.42	348
180970057	2012	8	5	24	V	0.02	0	4.42	6
180970057	2012	8	6	1	V	0.9	1.1	4.42	40
180970057	2012	8	6	2	V	1.2	6.2	4.1	40
180970057	2012	8	6	3	V	3.2	2.2	3.86	44
180970057	2012	8	6	4	V	0.7	1.6	2.83	55
180970057	2012	8	6	5	V	3.5	0.8	2.32	40
180970057	2012	8	6	6	V	12.5	0.4	2.22	50
180970057	2012	8	6	7	V	16.1	2	2.18	50
180970057	2012	8	6	8	V	11.5	0.9	2.49	51
180970057	2012	8	6	9	V	6.6	1	2.61	53
180970057	2012	8	6	10	V	2.8	5.5	2.16	74
180970057	2012	8	6	11	V	3.4	9	1.55	52
180970057	2012	8	6	12	V	1.1	1.8	1.86	319
180970057	2012	8	6	13	V	0.9	0.3	2.06	302
180970057	2012	8	6	14	V	9.7	0.3	2.21	196
180970057	2012	8	6	15	V	6.7	0.7	1.86	206
180970057	2012	8	6	16	V	0.7	1.3	2.04	329
180970057	2012	8	6	17	V	0.2	1.7	3.01	348
180970057	2012	8	6	18	V	0.1	1.8	1.6	327
180970057	2012	8	6	19	V	4.3	1.5	3.61	46
180970057	2012	8	6	20	V	2.1	0.4	4.56	50
180970057	2012	8	6	21	V	1.0	0.6	3.63	54
180970057	2012	8	6	22	V	0.05	0.2	2.98	59
180970057	2012	8	6	23	V	1.9	0.1	2.83	53
180970057	2012	8	6	24	V	3.4	0.1	2.72	52
180970057	2012	8	7	1	V	1.3	0	2.22	58
180970057	2012	8	7	2	V	0.07	0.1	2.11	120
180970057	2012	8	7	3	V	0.07	0.6	2.08	110
180970057	2012	8	7	4	V	24.4	0.6	1.21	52
180970057	2012	8	7	5	V	0.2	0.3	1.48	92
180970057	2012	8	7	6	V	2.6	0.6	1.42	16
180970057	2012	8	7	7	V	12.8	0.7	1.37	60
180970057	2012	8	7	8	V	3.0	2.5	1.48	120
180970057	2012	8	7	9	V	5.1	7.2	1.7	166
180970057	2012	8	7	10	V	1.9	16.1	2.62	220
180970057	2012	8	7	11	V	0.8	7	2.49	246
180970057	2012	8	7	12	V	1.2	1.7	2.3	236
180970057	2012	8	7	13	V	1.0	1	2.21	254
180970057	2012	8	7	14	V	0.9	1.1	2.27	260

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	7	15	V	0.7	0.7	2.33	289
180970057	2012	8	7	16	V	0.4	0.7	2.67	276
180970057	2012	8	7	17	V	0.2	1	2.78	293
180970057	2012	8	7	18	V	0.07	1	2.59	314
180970057	2012	8	7	19	V	0.03	0.6	3.01	327
180970057	2012	8	7	20	V	0.04	0.7	2.64	355
180970057	2012	8	7	21	V	0.2	0.8	1.69	360
180970057	2012	8	7	22	V	2.3	1.3	0.86	302
180970057	2012	8	7	23	V	0.1	1.7	1.72	138
180970057	2012	8	7	24	V	0.1	0.7	1.76	168
180970057	2012	8	8	1	V	5.0	0.4	1.4	207
180970057	2012	8	8	2	V	3.1	0.4	1.25	210
180970057	2012	8	8	3	V	0.3	0.5	1.64	232
180970057	2012	8	8	4	V	0.2	0.3	2.25	240
180970057	2012	8	8	5	V	0.1	0.5	2.52	226
180970057	2012	8	8	6	V	0.3	1	3.22	245
180970057	2012	8	8	7	V	0.5	1.6	2.9	239
180970057	2012	8	8	8	V	0.5	2	2.74	246
180970057	2012	8	8	9	V	0.5	2.4	3.08	242
180970057	2012	8	8	10	V	0.2	2	4.51	255
180970057	2012	8	8	11	V	0.2	1.8	5.16	267
180970057	2012	8	8	12	V	0.2	1.3	5.55	268
180970057	2012	8	8	13	V	0.3	1.2	5.36	253
180970057	2012	8	8	14	V	0.2	1.1	5.83	268
180970057	2012	8	8	15	V	0.2	1.3	5.36	274
180970057	2012	8	8	16	V	0.2	2	4.51	285
180970057	2012	8	8	17	V	0.1	2.3	3.92	309
180970057	2012	8	8	18	V	0.05	1.7	4.71	317
180970057	2012	8	8	19	V	0.06	0.9	4.26	353
180970057	2012	8	8	20	V	0.06	0.8	4.44	25
180970057	2012	8	8	21	V	0.03	0.3	7.37	28
180970057	2012	8	8	22	V	0.2	0	4.17	34
180970057	2012	8	8	23	V	1.3	0.2	3.17	37
180970057	2012	8	8	24	V	0.3	0.5	3.83	32
180970057	2012	8	9	1	V	0.07	0.1	3.8	88
180970057	2012	8	9	2	V	0.4	0	3.27	61
180970057	2012	8	9	3	V	0.03	0	5.38	353
180970057	2012	8	9	4	V	0.03	0	5.26	339
180970057	2012	8	9	5	V	0.06	0	4.58	312
180970057	2012	8	9	6	V	0.3	0	2.71	126
180970057	2012	8	9	7	V	0.1	0	4.65	81
180970057	2012	8	9	8	V	0.4	0	3.03	122
180970057	2012	8	9	9	V	10.6	0.3	3.22	177
180970057	2012	8	9	10	V	25.4	2.3	4.28	189
180970057	2012	8	9	11	V	51.4	7.1	2.36	192
180970057	2012	8	9	12	V	8.2	27.5	1.36	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	9	13	V	2.5	30.7	2.01	231
180970057	2012	8	9	14	V	52.0	60.2	2.16	191
180970057	2012	8	9	15	V	24.6	29.3	2.5	206
180970057	2012	8	9	16	V	4.9	4.7	2.21	219
180970057	2012	8	9	17	V	1.4	5.9	3.13	214
180970057	2012	8	9	18	V	0.6	3.9	2.47	232
180970057	2012	8	9	19	V	0.2	1.4	1.86	331
180970057	2012	8	9	20	V	5.5	1.2	2.66	51
180970057	2012	8	9	21	V	0.02	0.5	6.02	307
180970057	2012	8	9	22	V	0.09	0	1.84	152
180970057	2012	8	9	23	V	0.7	0.4	2.32	239
180970057	2012	8	9	24	V	0.08	0.4	2.18	3
180970057	2012	8	10	1	V	0.4	0	1.35	87
180970057	2012	8	10	2	V	0.1	0	2.62	227
180970057	2012	8	10	3	V	0.03	0	5.68	324
180970057	2012	8	10	4	V	0.05	0	4.12	329
180970057	2012	8	10	5	V	0.06	0	4.6	308
180970057	2012	8	10	6	V	0.2	0	4.19	313
180970057	2012	8	10	7	V	0.1	0	5.26	322
180970057	2012	8	10	8	V	0.05	0	6.47	328
180970057	2012	8	10	9	V	0.06	0	6.5	325
180970057	2012	8	10	10	V	0.09	0	5.51	315
180970057	2012	8	10	11	V	0.1	0	6.18	322
180970057	2012	8	10	12	V	0.1	0	6.33	314
180970057	2012	8	10	13	V	0.1	0.1	6.43	321
180970057	2012	8	10	14	V	0.07	0	8.62	326
180970057	2012	8	10	15	V	0.1	0	5.68	330
180970057	2012	8	10	16	V	0.07	0	8.39	331
180970057	2012	8	10	17	V	0.06	0	8.64	335
180970057	2012	8	10	18	V	0.03	0.3	9.81	326
180970057	2012	8	10	19	V	0.02	0.4	8.44	331
180970057	2012	8	10	20	V	0.03	0	8.5	336
180970057	2012	8	10	21	V	0.02	0	6.74	343
180970057	2012	8	10	22	V	0.02	0	7.33	335
180970057	2012	8	10	23	V	0.02	0	5.68	341
180970057	2012	8	10	24	V	0.02	0	6.14	330
180970057	2012	8	11	1	V	0.03	0	5.39	324
180970057	2012	8	11	2	V	0.05	0	4	315
180970057	2012	8	11	3	V	0.06	0	3.86	292
180970057	2012	8	11	4	V	0.06	0	4.25	299
180970057	2012	8	11	5	V	0.1	0	3.95	292
180970057	2012	8	11	6	V	0.2	0	3.63	299
180970057	2012	8	11	7	V	0.1	0	4.59	285
180970057	2012	8	11	8	V	0.1	0.1	5.45	286
180970057	2012	8	11	9	V	0.1	0.3	5.53	303
180970057	2012	8	11	10	V	0.1	0.2	6.35	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	11	11	V	0.1	0	7.08	299
180970057	2012	8	11	12	V	0.1	0	7.01	300
180970057	2012	8	11	13	V	0.1	0	6.11	303
180970057	2012	8	11	14	V	0.2	0	5.04	305
180970057	2012	8	11	15	V	0.2	0	4.42	300
180970057	2012	8	11	16	V	0.2	0	4.24	317
180970057	2012	8	11	17	V	0.1	0	4.42	314
180970057	2012	8	11	18	V	0.04	0	3.32	313
180970057	2012	8	11	19	V	0.04	0	3.18	302
180970057	2012	8	11	20	V	0.04	0	3.42	298
180970057	2012	8	11	21	V	0.1	0	2.15	308
180970057	2012	8	11	22	V	0.08	0	2.39	321
180970057	2012	8	11	23	V	0.04	0	2.91	13
180970057	2012	8	11	24	V	8.5	0.5	2.5	49
180970057	2012	8	12	1	V	0.1	0.2	2.06	25
180970057	2012	8	12	2	V	0.2	0	1.71	323
180970057	2012	8	12	3	V	0.4	0	1.42	17
180970057	2012	8	12	4	V	0.5	0	1.43	320
180970057	2012	8	12	5	V	1.6	0	1.21	263
180970057	2012	8	12	6	V	4.5	0	0.86	344
180970057	2012	8	12	7	V	22.0	0.1	0.57	286
180970057	2012	8	12	8	V	17.1	0.1	0.84	160
180970057	2012	8	12	9	V	1.2	1.1	1.98	126
180970057	2012	8	12	10	V	1.8	5.1	1.6	132
180970057	2012	8	12	11	V	0.7	5.5	1.72	138
180970057	2012	8	12	12	V	2.8	16.7	2.08	223
180970057	2012	8	12	13	V	0.5	12.1	2.66	226
180970057	2012	8	12	14	V	0.5	2.6	2.55	235
180970057	2012	8	12	15	V	0.5	0.4	3.22	240
180970057	2012	8	12	16	V	0.2	0.3	3.23	283
180970057	2012	8	12	17	V	0.2	0.3	3.61	252
180970057	2012	8	12	18	V	0.07	0.4	4	305
180970057	2012	8	12	19	V	0.06	0.6	2.64	326
180970057	2012	8	12	20	V	0.4	0.7	1.28	314
180970057	2012	8	12	21	V	0.2	0.7	1.76	83
180970057	2012	8	12	22	V	0.07	1.4	2.36	130
180970057	2012	8	12	23	V	0.07	3.1	2.53	134
180970057	2012	8	12	24	V	0.08	0.5	2.25	100
180970057	2012	8	13	1	V	0.06	1	2.9	104
180970057	2012	8	13	2	V	0.05	1.1	2.83	112
180970057	2012	8	13	3	V	0.05	0.4	2.67	118
180970057	2012	8	13	4	V	0.3	0.8	1.45	111
180970057	2012	8	13	5	V	0.1	0.8	2.1	151
180970057	2012	8	13	6	V	0.5	2.9	2.15	108
180970057	2012	8	13	7	V	5.8	2.4	1.47	163
180970057	2012	8	13	8	V	48.4	1.3	1.77	201

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	13	9	V	51.4	0.7	1.11	211
180970057	2012	8	13	10	V	4.1	5.3	1.5	124
180970057	2012	8	13	11	V	0.6	7.3	2.78	130
180970057	2012	8	13	12	V	0.5	3.1	2.93	142
180970057	2012	8	13	13	V	0.2	2	5	146
180970057	2012	8	13	14	V	0.2	1.1	4.99	142
180970057	2012	8	13	15	V	0.1	0.8	5	153
180970057	2012	8	13	16	V	1.5	0.6	4.24	173
180970057	2012	8	13	17	V	12.5	9.7	4.9	184
180970057	2012	8	13	18	V	0.1	4.4	3.83	168
180970057	2012	8	13	19	V	0.08	0.8	4.27	158
180970057	2012	8	13	20	V	0.08	0.5	4.42	163
180970057	2012	8	13	21	V	0.7	0.3	5.94	177
180970057	2012	8	13	22	V	3.9	0.2	5	205
180970057	2012	8	13	23	V	0.7	0.2	3.13	253
180970057	2012	8	13	24	V	0.8	0	3.63	246
180970057	2012	8	14	1	V	0.3	0	3.08	247
180970057	2012	8	14	2	V	0.2	0	2.95	243
180970057	2012	8	14	3	V	0.8	0	2.47	258
180970057	2012	8	14	4	V	0.07	0	3.64	292
180970057	2012	8	14	5	V	0.07	0	4.22	313
180970057	2012	8	14	6	V	0.1	0	4.66	321
180970057	2012	8	14	7	V	0.2	0	4.02	315
180970057	2012	8	14	8	V	0.1	0	5.27	329
180970057	2012	8	14	9	V	0.1	0	4.68	330
180970057	2012	8	14	10	V	0.2	0	4.56	345
180970057	2012	8	14	11	V	0.2	0	4.54	353
180970057	2012	8	14	12	V	0.1	0	4.7	334
180970057	2012	8	14	13	V	0.2	0	4.03	324
180970057	2012	8	14	14	V	0.1	0	5.07	323
180970057	2012	8	14	15	V	0.2	0	3.69	329
180970057	2012	8	14	16	V	0.3	0	2.78	308
180970057	2012	8	14	17	V	0.1	0	3.34	326
180970057	2012	8	14	18	V	0.07	0	4.53	350
180970057	2012	8	14	19	V	0.09	0	3.52	1
180970057	2012	8	14	20	V	0.3	0	1.5	13
180970057	2012	8	14	21	V	21.9	0	1.72	46
180970057	2012	8	14	22	V	13.3	0	1.77	53
180970057	2012	8	14	23	V	0.6	0	1.26	111
180970057	2012	8	14	24	V	0.2	0	1.64	145
180970057	2012	8	15	1	V	5.7	0	1.48	208
180970057	2012	8	15	2	V	11.0	0	1.81	182
180970057	2012	8	15	3	V	57.6	0	1.99	191
180970057	2012	8	15	4	V	0.07	0	2.52	217
180970057	2012	8	15	5	V	0.2	0	2.2	246
180970057	2012	8	15	6	V	0.9	0	2.23	259

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	15	7	V	23.5	0.2	0.84	214
180970057	2012	8	15	8	V	21.2	1.1	1.94	212
180970057	2012	8	15	9	V	12.5	2	2.23	213
180970057	2012	8	15	10	V	6.7	1.8	2.79	214
180970057	2012	8	15	11	V	0.8	1.8	2.78	247
180970057	2012	8	15	12	V	0.5	1.5	2.91	274
180970057	2012	8	15	13	V	0.4	0.3	3.29	289
180970057	2012	8	15	14	V	0.3	0	3.23	286
180970057	2012	8	15	15	V	0.7	0	2.49	259
180970057	2012	8	15	16	V	0.7	0	2.38	251
180970057	2012	8	15	17	V	9.2	0	1.28	208
180970057	2012	8	15	18	V	22.0	0.8	2.69	186
180970057	2012	8	15	19	V	2.7	0	2.69	204
180970057	2012	8	15	20	V	5.5	0	2.57	203
180970057	2012	8	15	21	V	94.2	0	2.18	195
180970057	2012	8	15	22	V	52.1	0.3	2.91	190
180970057	2012	8	15	23	V	10.0	0.2	3.69	185
180970057	2012	8	15	24	V	43.8	0.2	3.63	191
180970057	2012	8	16	1	V	0.1	0.3	2.74	228
180970057	2012	8	16	2	V	0.09	0.2	2.37	213
180970057	2012	8	16	3	V	57.1	0.3	2.78	194
180970057	2012	8	16	4	V	0.8	0.4	3.05	206
180970057	2012	8	16	5	V	3.1	0.4	3.03	181
180970057	2012	8	16	6	V	16.2	0.4	3	181
180970057	2012	8	16	7	V	33.0	2.1	2.91	184
180970057	2012	8	16	8	V	2.3	5.6	4.03	213
180970057	2012	8	16	9	V	5.1	5.7	5.17	206
180970057	2012	8	16	10	V	7.1	4.9	5.38	205
180970057	2012	8	16	11	V	1.0	4	6.23	211
180970057	2012	8	16	12	V	0.2	2.9	6.09	228
180970057	2012	8	16	13	V	0.09	0.3	5.97	2
180970057	2012	8	16	14	V	0.08	0.5	4.6	83
180970057	2012	8	16	15	V	0.08	0.3	4.1	84
180970057	2012	8	16	16	V	0.05	0	7.52	4
180970057	2012	8	16	17	V	0.04	0	7.77	13
180970057	2012	8	16	18	V	0.1	0	7.18	62
180970057	2012	8	16	19	V	0.04	0	9.27	137
180970057	2012	8	16	20	V	0.02	0	7.67	148
180970057	2012	8	16	21	V	1.8	0.1	6.52	181
180970057	2012	8	16	22	V	0.7	0.1	5.21	266
180970057	2012	8	16	23	V	0.5	0	4.29	278
180970057	2012	8	16	24	V	0.7	0	3.34	266
180970057	2012	8	17	1	V	0.7	0	3.63	264
180970057	2012	8	17	2	V	0.6	0	3.35	254
180970057	2012	8	17	3	V	0.1	0	3.56	287
180970057	2012	8	17	4	V	0.06	0	3.42	309

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	17	5	V	0.07	0	3.63	317
180970057	2012	8	17	6	V	0.3	0	3.54	319
180970057	2012	8	17	7	V	0.4	0	3.71	326
180970057	2012	8	17	8	V	0.3	0	3.81	338
180970057	2012	8	17	9	V	0.6	0	3.2	353
180970057	2012	8	17	10	V	0.7	0	3.01	358
180970057	2012	8	17	11	V	1.1	0	2.45	342
180970057	2012	8	17	12	V	0.6	0	3.18	331
180970057	2012	8	17	13	V	0.4	0	4.15	321
180970057	2012	8	17	14	V	0.3	0	4.29	323
180970057	2012	8	17	15	V	0.2	0	4.37	316
180970057	2012	8	17	16	V	0.2	0.1	4.46	308
180970057	2012	8	17	17	V	0.1	0	5.14	307
180970057	2012	8	17	18	V	0.03	0	5.36	321
180970057	2012	8	17	19	V	0.05	0	4.54	319
180970057	2012	8	17	20	V	0.05	0	3.46	315
180970057	2012	8	17	21	V	0.2	0	1.82	301
180970057	2012	8	17	22	V	0.09	0	2.64	320
180970057	2012	8	17	23	V	0.04	0	2.95	340
180970057	2012	8	17	24	V	0.03	0	3.54	25
180970057	2012	8	18	1	V	0.3	1.2	3.73	37
180970057	2012	8	18	2	V	0.03	0.1	3.34	26
180970057	2012	8	18	3	V	0.07	0	2.49	29
180970057	2012	8	18	4	V	0.08	0	2.37	23
180970057	2012	8	18	5	V	0.2	0	1.82	13
180970057	2012	8	18	6	V	1.3	0	1.72	9
180970057	2012	8	18	7	V	3.9	0	1.35	2
180970057	2012	8	18	8	V	14.7	0.3	2.13	37
180970057	2012	8	18	9	V	4.9	1.1	1.65	40
180970057	2012	8	18	10	V	6.0	8.3	0.99	360
180970057	2012	8	18	11	V	5.0	9.4	1.3	289
180970057	2012	8	18	12	V	1.4	0.7	2.25	353
180970057	2012	8	18	13	V	0.8	0.3	2.84	332
180970057	2012	8	18	14	V	0.8	0.1	2.74	293
180970057	2012	8	18	15	V	0.7	0.7	2.76	299
180970057	2012	8	18	16	V	0.4	0	2.84	304
180970057	2012	8	18	17	V	0.2	0	2.69	317
180970057	2012	8	18	18	V	0.08	0	2.98	311
180970057	2012	8	18	19	V	0.08	0	3.47	342
180970057	2012	8	18	20	V	0.09	0	3.17	359
180970057	2012	8	18	21	V	0.1	0.1	2.08	5
180970057	2012	8	18	22	V	0.07	0.1	2.74	11
180970057	2012	8	18	23	V	0.1	-999	1.98	6
180970057	2012	8	18	24	V	0.6	0.1	1.26	345
180970057	2012	8	19	1	V	0.5	0	1.3	332
180970057	2012	8	19	2	V	0.3	0	1.52	8

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	19	3	V	0.08	0	2.25	12
180970057	2012	8	19	4	V	0.06	0	2.69	19
180970057	2012	8	19	5	V	0.08	0	2.66	26
180970057	2012	8	19	6	V	0.4	0	2.35	14
180970057	2012	8	19	7	V	2.6	0	1.47	308
180970057	2012	8	19	8	V	3.0	0	1.65	8
180970057	2012	8	19	9	V	11.8	0.7	1.69	37
180970057	2012	8	19	10	V	3.8	3.3	1.79	18
180970057	2012	8	19	11	V	0.6	0.7	3.27	358
180970057	2012	8	19	12	V	0.4	0.3	4.19	356
180970057	2012	8	19	13	V	0.3	0.1	4.39	351
180970057	2012	8	19	14	V	0.3	0.1	4.29	352
180970057	2012	8	19	15	V	0.3	0.1	4.92	336
180970057	2012	8	19	16	V	0.2	0	4.32	349
180970057	2012	8	19	17	V	0.1	0.1	3.63	351
180970057	2012	8	19	18	V	0.1	0.1	3.42	337
180970057	2012	8	19	19	V	0.07	0.1	3.61	312
180970057	2012	8	19	20	V	0.07	0.3	4.63	319
180970057	2012	8	19	21	V	0.09	0.2	4.05	336
180970057	2012	8	19	22	V	0.07	0.1	3.59	328
180970057	2012	8	19	23	V	0.07	0.2	3.44	332
180970057	2012	8	19	24	V	0.06	0.1	2.64	343
180970057	2012	8	20	1	V	0.4	0	1.31	318
180970057	2012	8	20	2	V	0.3	0	1.45	352
180970057	2012	8	20	3	V	0.2	0	1.7	313
180970057	2012	8	20	4	V	0.2	0	1.77	311
180970057	2012	8	20	5	V	0.08	0	2.39	303
180970057	2012	8	20	6	V	0.6	0	2.32	303
180970057	2012	8	20	7	V	2.0	0.1	1.81	332
180970057	2012	8	20	8	V	20.9	0.5	0.91	316
180970057	2012	8	20	9	V	18.9	8.4	0.86	260
180970057	2012	8	20	10	V	1.4	12.3	2.32	242
180970057	2012	8	20	11	V	1.6	8.2	2.16	260
180970057	2012	8	20	12	V	1.7	1.8	2.06	270
180970057	2012	8	20	13	V	1.0	0.8	2.32	280
180970057	2012	8	20	14	V	0.6	0.5	3.08	251
180970057	2012	8	20	15	V	0.4	0.2	3.12	276
180970057	2012	8	20	16	V	0.8	0.2	2.32	247
180970057	2012	8	20	17	V	0.3	0.1	2.64	237
180970057	2012	8	20	18	V	0.8	0.2	3.32	253
180970057	2012	8	20	19	V	0.8	0.6	4.29	264
180970057	2012	8	20	20	V	0.06	0.4	4.9	328
180970057	2012	8	20	21	V	0.03	0.1	6.96	355
180970057	2012	8	20	22	V	0.04	0	4.85	27
180970057	2012	8	20	23	V	3.7	1.4	3.12	45
180970057	2012	8	20	24	V	0.2	0.6	1.67	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	21	1	V	0.05	0.1	2.78	155
180970057	2012	8	21	2	V	0.2	0	1.77	141
180970057	2012	8	21	3	V	0.8	0	1.2	91
180970057	2012	8	21	4	V	20.2	0	1.62	43
180970057	2012	8	21	5	V	0.08	0.1	2.32	27
180970057	2012	8	21	6	V	1.5	0.2	1.57	7
180970057	2012	8	21	7	V	5.6	0.3	1.3	11
180970057	2012	8	21	8	V	17.8	0.4	0.8	336
180970057	2012	8	21	9	V	12.5	3	0.97	60
180970057	2012	8	21	10	V	6.1	8.4	0.97	311
180970057	2012	8	21	11	V	2.9	7.3	1.26	273
180970057	2012	8	21	12	V	3.0	7.5	1.18	288
180970057	2012	8	21	13	V	1.4	5.1	1.77	309
180970057	2012	8	21	14	V	1.0	1.5	2.04	339
180970057	2012	8	21	15	V	0.5	0.8	2.74	326
180970057	2012	8	21	16	V	0.5	0.4	2.64	360
180970057	2012	8	21	17	V	0.2	0.4	3.32	316
180970057	2012	8	21	18	V	0.06	0.1	3.29	322
180970057	2012	8	21	19	V	0.06	0.1	3.4	334
180970057	2012	8	21	20	V	0.05	0.2	3.54	18
180970057	2012	8	21	21	V	2.1	0.4	2.42	39
180970057	2012	8	21	22	V	16.1	0.3	1.99	50
180970057	2012	8	21	23	V	1.6	0.7	1.38	28
180970057	2012	8	21	24	V	8.2	0.5	0.75	22
180970057	2012	8	22	1	V	11.2	0.5	0.62	22
180970057	2012	8	22	2	V	6.5	0.4	0.7	14
180970057	2012	8	22	3	V	34.4	0.3	1.04	48
180970057	2012	8	22	4	V	26.8	0.3	1.2	51
180970057	2012	8	22	5	V	2.1	0.5	1.43	30
180970057	2012	8	22	6	V	8.7	0.8	1.33	31
180970057	2012	8	22	7	V	7.9	0.7	1.64	68
180970057	2012	8	22	8	V	2.5	1.8	1.79	108
180970057	2012	8	22	9	V	1.8	3	1.91	120
180970057	2012	8	22	10	V	2.9	3	1.71	121
180970057	2012	8	22	11	V	2.4	1.9	2.16	152
180970057	2012	8	22	12	V	6.7	28	1.93	164
180970057	2012	8	22	13	V	4.9	2.1	1.99	160
180970057	2012	8	22	14	V	6.3	1.8	2.62	168
180970057	2012	8	22	15	V	20.5	1	2.72	192
180970057	2012	8	22	16	V	0.8	13	2.23	135
180970057	2012	8	22	17	V	16.5	21.1	1.74	184
180970057	2012	8	22	18	V	57.7	5.7	1.45	184
180970057	2012	8	22	19	V	1.0	2	1.31	219
180970057	2012	8	22	20	V	2.2	0.8	1.06	325
180970057	2012	8	22	21	V	0.06	1.8	2.84	160
180970057	2012	8	22	22	V	0.06	1.6	3.71	160

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	22	23	V	1.3	1	1.26	264
180970057	2012	8	22	24	V	29.9	1.1	0.87	53
180970057	2012	8	23	1	V	20.4	0.7	1.43	51
180970057	2012	8	23	2	V	0.1	0.6	1.99	91
180970057	2012	8	23	3	V	0.09	0.6	2.28	100
180970057	2012	8	23	4	V	0.5	0.6	1.4	75
180970057	2012	8	23	5	V	0.7	0.7	1.43	69
180970057	2012	8	23	6	V	2.6	1	1.37	99
180970057	2012	8	23	7	V	2.4	1.1	1.87	104
180970057	2012	8	23	8	V	4.4	3.9	1.72	114
180970057	2012	8	23	9	V	4.8	4	1.86	116
180970057	2012	8	23	10	V	14.9	24.9	1.96	167
180970057	2012	8	23	11	V	23.4	57.9	1.96	202
180970057	2012	8	23	12	V	4.8	21.3	1.93	230
180970057	2012	8	23	13	V	10.8	13.7	1.69	216
180970057	2012	8	23	14	V	2.9	10.1	1.81	238
180970057	2012	8	23	15	V	3.0	2.8	2.83	164
180970057	2012	8	23	16	V	17.9	1.9	2.73	181
180970057	2012	8	23	17	V	12.0	5.2	2.71	180
180970057	2012	8	23	18	V	0.2	0.9	1.96	147
180970057	2012	8	23	19	V	0.2	0.7	2.21	149
180970057	2012	8	23	20	V	0.2	1.2	2.15	162
180970057	2012	8	23	21	V	0.1	5.7	2.25	152
180970057	2012	8	23	22	V	0.1	1.8	2.23	122
180970057	2012	8	23	23	V	0.4	1.8	1.67	82
180970057	2012	8	23	24	V	0.06	1.1	2.91	80
180970057	2012	8	24	1	V	0.05	7.4	3.03	106
180970057	2012	8	24	2	V	0.1	4.2	2.27	126
180970057	2012	8	24	3	V	0.2	1.2	1.86	109
180970057	2012	8	24	4	V	0.1	2	2.05	107
180970057	2012	8	24	5	V	0.3	1.3	1.64	126
180970057	2012	8	24	6	V	2.1	0.8	1.55	128
180970057	2012	8	24	7	V	1.0	1.7	2.67	109
180970057	2012	8	24	8	V	2.6	2	1.96	113
180970057	2012	8	24	9	V	1.2	2.3	2.42	141
180970057	2012	8	24	10	V	17.2	2.7	2.67	177
180970057	2012	8	24	11	V	16.5	1.9	2.35	182
180970057	2012	8	24	12	V	5.8	1.4	2.84	169
180970057	2012	8	24	13	V	0.5	0.7	3.47	151
180970057	2012	8	24	14	V	0.5	0.3	3.75	154
180970057	2012	8	24	15	V	0.5	0.3	3.35	152
180970057	2012	8	24	16	V	0.2	0.3	4.24	136
180970057	2012	8	24	17	V	0.1	0.5	3.98	154
180970057	2012	8	24	18	V	0.07	0.5	3.78	136
180970057	2012	8	24	19	V	0.06	0.7	3.22	156
180970057	2012	8	24	20	V	0.09	1.3	2.44	126

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	24	21	V	0.09	4	2.54	103
180970057	2012	8	24	22	V	0.06	5.6	2.62	111
180970057	2012	8	24	23	V	0.04	9	3.08	121
180970057	2012	8	24	24	V	0.04	1.9	4.2	135
180970057	2012	8	25	1	V	0.04	1.3	4.39	140
180970057	2012	8	25	2	V	0.04	0.9	3.52	145
180970057	2012	8	25	3	V	0.05	0.6	2.66	143
180970057	2012	8	25	4	V	0.2	0.5	1.82	167
180970057	2012	8	25	5	V	5.2	0.4	0.72	161
180970057	2012	8	25	6	V	2.0	0.4	1.37	120
180970057	2012	8	25	7	V	1.8	0.5	1.82	150
180970057	2012	8	25	8	V	24.4	2	1.38	172
180970057	2012	8	25	9	V	6.7	27.1	1.16	112
180970057	2012	8	25	10	V	4.4	41.7	1.38	118
180970057	2012	8	25	11	V	8.2	59.4	0.96	101
180970057	2012	8	25	12	V	4.3	28.4	1.35	158
180970057	2012	8	25	13	V	11.5	18.2	2.64	203
180970057	2012	8	25	14	V	14.6	18.9	2.98	188
180970057	2012	8	25	15	V	6.9	11.1	2.61	169
180970057	2012	8	25	16	V	27.1	7.2	4.41	198
180970057	2012	8	25	17	V	32.7	0.9	3.85	189
180970057	2012	8	25	18	V	0.08	0.6	3.08	217
180970057	2012	8	25	19	V	2.9	0.6	2.73	204
180970057	2012	8	25	20	V	54.4	3	3.05	196
180970057	2012	8	25	21	V	30.9	4	2.32	200
180970057	2012	8	25	22	V	71.8	1.9	1.91	190
180970057	2012	8	25	23	V	0.2	-999	1.77	145
180970057	2012	8	25	24	V	1.0	1.6	1.13	148
180970057	2012	8	26	1	V	0.04	1.1	3.51	142
180970057	2012	8	26	2	V	0.04	0.8	3.12	161
180970057	2012	8	26	3	V	20.3	1	1.81	184
180970057	2012	8	26	4	V	36.3	0.7	1.26	203
180970057	2012	8	26	5	V	2.2	0.5	1.01	254
180970057	2012	8	26	6	V	2.7	0.7	1.7	161
180970057	2012	8	26	7	V	0.8	0.6	2.22	145
180970057	2012	8	26	8	V	3.5	1.1	2.66	171
180970057	2012	8	26	9	V	9.3	7	3.22	208
180970057	2012	8	26	10	V	27.1	9.2	4.2	200
180970057	2012	8	26	11	V	35.4	25.8	5.36	197
180970057	2012	8	26	12	V	1.4	6.5	5.17	210
180970057	2012	8	26	13	V	6.2	3.8	5.04	208
180970057	2012	8	26	14	V	38.7	15.9	4.56	198
180970057	2012	8	26	15	V	0.4	11.1	5.7	245
180970057	2012	8	26	16	V	0.3	1.5	3.3	264
180970057	2012	8	26	17	V	0.1	1.2	2.96	235
180970057	2012	8	26	18	V	0.4	0.9	3.15	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	26	19	V	14.3	14.1	3.32	203
180970057	2012	8	26	20	V	9.0	1.9	2.45	182
180970057	2012	8	26	21	V	16.2	1.8	3.25	183
180970057	2012	8	26	22	V	0.2	1.2	3.78	173
180970057	2012	8	26	23	V	0.08	1.3	4.59	171
180970057	2012	8	26	24	V	30.6	40.5	4.31	187
180970057	2012	8	27	1	V	27.2	10	4.77	196
180970057	2012	8	27	2	V	20.5	16.3	4.99	196
180970057	2012	8	27	3	V	9.7	34.2	5.39	200
180970057	2012	8	27	4	V	4.9	13.1	4.66	204
180970057	2012	8	27	5	V	0.2	4.9	3.78	229
180970057	2012	8	27	6	V	0.3	2.2	3.83	257
180970057	2012	8	27	7	V	0.1	0.6	5.17	226
180970057	2012	8	27	8	V	23.2	1	5.28	197
180970057	2012	8	27	9	V	0.08	0.5	4.85	221
180970057	2012	8	27	10	V	0.08	0.2	5.43	221
180970057	2012	8	27	11	V	0.3	0.3	5.28	247
180970057	2012	8	27	12	V	0.2	0.1	3.75	309
180970057	2012	8	27	13	V	0.5	0.8	2.83	323
180970057	2012	8	27	14	V	0.3	0.7	3.47	343
180970057	2012	8	27	15	V	0.2	0.5	4.44	350
180970057	2012	8	27	16	V	0.2	0.4	4.1	344
180970057	2012	8	27	17	V	0.08	0.3	4.8	340
180970057	2012	8	27	18	V	0.03	0.1	5.51	346
180970057	2012	8	27	19	V	0.03	0.1	5.46	356
180970057	2012	8	27	20	V	0.03	0	5.33	354
180970057	2012	8	27	21	V	0.05	0	4.19	355
180970057	2012	8	27	22	V	0.03	0	3.03	354
180970057	2012	8	27	23	V	0.1	0	1.84	340
180970057	2012	8	27	24	V	0.07	0	2.59	326
180970057	2012	8	28	1	V	0.1	0	2.1	336
180970057	2012	8	28	2	V	0.08	0	2.3	343
180970057	2012	8	28	3	V	0.09	0	2.27	344
180970057	2012	8	28	4	V	0.06	0	2.5	335
180970057	2012	8	28	5	V	0.04	0	2.86	324
180970057	2012	8	28	6	V	0.2	0.3	3.52	333
180970057	2012	8	28	7	V	0.3	0.4	3.42	338
180970057	2012	8	28	8	V	0.4	0.5	3.63	5
180970057	2012	8	28	9	V	2.9	0.7	3.41	27
180970057	2012	8	28	10	V	1.9	1.3	3.37	21
180970057	2012	8	28	11	V	4.5	1.8	4.19	31
180970057	2012	8	28	12	V	1.1	2.5	4.7	21
180970057	2012	8	28	13	V	0.5	2.7	5.19	18
180970057	2012	8	28	14	V	7.5	0.5	4.9	37
180970057	2012	8	28	15	V	2.2	-999	5.12	28
180970057	2012	8	28	16	V	4.6	0.5	5.5	34

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	28	17	V	9.2	0.1	4.87	40
180970057	2012	8	28	18	V	0.03	0	5.16	22
180970057	2012	8	28	19	V	0.04	0	5	26
180970057	2012	8	28	20	V	0.05	0.5	3.56	30
180970057	2012	8	28	21	V	0.05	1.5	2.76	32
180970057	2012	8	28	22	V	0.06	2.4	2.59	23
180970057	2012	8	28	23	V	0.09	-999	2.28	19
180970057	2012	8	28	24	V	15.7	-999	2.15	47
180970057	2012	8	29	1	V	0.6	0.6	1.98	32
180970057	2012	8	29	2	V	0.7	0.5	1.25	10
180970057	2012	8	29	3	V	0.07	0.5	2.49	29
180970057	2012	8	29	4	V	0.04	0.4	3	32
180970057	2012	8	29	5	V	0.05	0.4	2.69	25
180970057	2012	8	29	6	V	5.2	0.6	1.79	28
180970057	2012	8	29	7	V	13.8	0.9	1.67	36
180970057	2012	8	29	8	V	14.3	1	1.26	26
180970057	2012	8	29	9	V	12.6	2	0.92	89
180970057	2012	8	29	10	V	11.1	37.8	0.84	170
180970057	2012	8	29	11	V	7.2	36.7	1.04	253
180970057	2012	8	29	12	V	2.7	21.4	1.54	292
180970057	2012	8	29	13	V	0.5	4.6	3.1	326
180970057	2012	8	29	14	V	1.4	2	2.04	341
180970057	2012	8	29	15	V	7.4	2.2	2.28	45
180970057	2012	8	29	16	V	0.7	2.6	2.13	350
180970057	2012	8	29	17	V	0.07	1.8	2.49	10
180970057	2012	8	29	18	V	0.3	2.2	3.07	56
180970057	2012	8	29	19	V	0.06	1.3	3.52	85
180970057	2012	8	29	20	V	0.05	1	3.34	86
180970057	2012	8	29	21	V	0.05	1	2.89	69
180970057	2012	8	29	22	V	0.04	0.8	3.83	70
180970057	2012	8	29	23	V	0.04	0.6	3.59	75
180970057	2012	8	29	24	V	0.04	0.5	3.41	78
180970057	2012	8	30	1	V	0.04	0.4	3.61	84
180970057	2012	8	30	2	V	0.04	0.4	2.91	83
180970057	2012	8	30	3	V	0.07	0.5	2.44	96
180970057	2012	8	30	4	V	0.08	1	2.38	108
180970057	2012	8	30	5	V	0.04	1.6	2.79	99
180970057	2012	8	30	6	V	0.4	2.3	2.69	108
180970057	2012	8	30	7	V	1.3	4.2	1.98	109
180970057	2012	8	30	8	V	2.0	8.3	1.99	110
180970057	2012	8	30	9	V	0.5	10.7	3.08	126
180970057	2012	8	30	10	V	0.3	7.5	3.93	141
180970057	2012	8	30	11	V	0.3	4.5	4.15	141
180970057	2012	8	30	12	V	0.3	3	4.09	136
180970057	2012	8	30	13	V	0.3	3	4.02	136
180970057	2012	8	30	14	V	0.3	2.4	4.37	160

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	8	30	15	V	0.2	1.7	4.82	156
180970057	2012	8	30	16	V	0.2	1.4	4.54	153
180970057	2012	8	30	17	V	0.1	2.3	2.96	154
180970057	2012	8	30	18	V	0.2	1.4	1.77	161
180970057	2012	8	30	19	V	0.1	1.8	2.32	146
180970057	2012	8	30	20	V	0.1	2	2.32	136
180970057	2012	8	30	21	V	0.2	3.4	1.93	115
180970057	2012	8	30	22	V	0.06	2.6	2.62	137
180970057	2012	8	30	23	V	84.3	1.8	1.03	187
180970057	2012	8	30	24	V	2.3	1.7	0.92	140
180970057	2012	8	31	1	V	0.07	1.9	2.45	163
180970057	2012	8	31	2	V	31.4	3.3	3.01	197
180970057	2012	8	31	3	V	0.1	2.1	2.42	225
180970057	2012	8	31	4	V	0.04	2.4	3.32	217
180970057	2012	8	31	5	V	0.4	2	3.78	209
180970057	2012	8	31	6	V	5.0	1.8	3.46	209
180970057	2012	8	31	7	V	48.9	2.2	2.44	194
180970057	2012	8	31	8	V	27.6	3.6	2.64	179
180970057	2012	8	31	9	V	9.7	3.2	4.09	205
180970057	2012	8	31	10	V	0.3	4.1	5.29	215
180970057	2012	8	31	11	V	0.2	3.8	5.05	218
180970057	2012	8	31	12	V	15.6	2.6	3.22	207
180970057	2012	8	31	13	V	8.5	3.5	3.73	207
180970057	2012	8	31	14	V	0.5	4.5	3.39	217
180970057	2012	8	31	15	V	45.3	4.1	2.88	193
180970057	2012	8	31	16	V	0.3	2.8	2.93	149
180970057	2012	8	31	17	V	0.08	1.9	3.66	157
180970057	2012	8	31	18	V	2.8	1.5	4.85	180
180970057	2012	8	31	19	V	4.7	1.3	3.93	181
180970057	2012	8	31	20	V	0.07	0.7	3.54	159
180970057	2012	8	31	21	V	0.06	0.8	4.05	150
180970057	2012	8	31	22	V	0.06	1	4.08	156
180970057	2012	8	31	23	V	0.08	1.1	3.4	163
180970057	2012	8	31	24	V	0.07	1.5	3.25	167
180970057	2012	9	1	1	V	0.06	4.2	3.22	176
180970057	2012	9	1	2	V	0.08	4.8	2.49	156
180970057	2012	9	1	3	V	0.08	1.7	2.3	150
180970057	2012	9	1	4	V	0.07	1.8	2.69	108
180970057	2012	9	1	5	V	0.07	1.7	3.05	102
180970057	2012	9	1	6	V	0.2	1.2	3.18	107
180970057	2012	9	1	7	V	0.4	1.3	3.27	117
180970057	2012	9	1	8	V	0.3	1	3.83	127
180970057	2012	9	1	9	V	0.1	0.9	4.36	140
180970057	2012	9	1	10	V	0.4	1	3.75	152
180970057	2012	9	1	11	V	0.3	0.9	4.02	167
180970057	2012	9	1	12	V	0.4	0.8	4.19	168

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	1	13	V	0.7	0.6	3.69	163
180970057	2012	9	1	14	V	19.1	0.4	1.86	179
180970057	2012	9	1	15	V	0.2	0.8	3.05	157
180970057	2012	9	1	16	V	0.1	0.8	4.05	124
180970057	2012	9	1	17	V	0.04	0.7	3.9	99
180970057	2012	9	1	18	V	0.1	0.6	3.47	110
180970057	2012	9	1	19	V	0.08	0.6	4.05	115
180970057	2012	9	1	20	V	0.09	0.9	3.86	116
180970057	2012	9	1	21	V	0.05	1.3	4.93	117
180970057	2012	9	1	22	V	0.04	1.1	5.16	117
180970057	2012	9	1	23	V	0.04	-999	5.36	122
180970057	2012	9	1	24	V	0.03	1.8	5.92	123
180970057	2012	9	2	1	V	0.04	1.6	5.36	124
180970057	2012	9	2	2	V	0.04	1.1	5.21	145
180970057	2012	9	2	3	V	0.05	0.5	4.37	131
180970057	2012	9	2	4	V	0.06	0.9	4.12	112
180970057	2012	9	2	5	V	0.05	0.8	4.7	128
180970057	2012	9	2	6	V	0.1	0.8	4.2	119
180970057	2012	9	2	7	V	0.1	1.7	4.8	105
180970057	2012	9	2	8	V	0.08	1.4	6.43	105
180970057	2012	9	2	9	V	0.07	1.8	6.01	108
180970057	2012	9	2	10	V	0.07	2	6.98	112
180970057	2012	9	2	11	V	0.08	1.3	7.31	106
180970057	2012	9	2	12	V	0.08	1.2	7.43	107
180970057	2012	9	2	13	V	0.09	1.3	6.53	110
180970057	2012	9	2	14	V	0.1	0.9	5.51	100
180970057	2012	9	2	15	V	0.08	0.4	6.28	113
180970057	2012	9	2	16	V	0.08	0.3	5.02	114
180970057	2012	9	2	17	V	0.1	0.6	4.52	122
180970057	2012	9	2	18	V	0.1	0.4	3.9	82
180970057	2012	9	2	19	V	0.07	0.8	4.53	105
180970057	2012	9	2	20	V	0.08	0.7	4.29	88
180970057	2012	9	2	21	V	0.09	0.4	3.93	79
180970057	2012	9	2	22	V	0.08	0.3	4.49	66
180970057	2012	9	2	23	V	0.06	0.4	4.71	78
180970057	2012	9	2	24	V	0.04	0.3	5.1	96
180970057	2012	9	3	1	V	0.06	0.2	4.17	90
180970057	2012	9	3	2	V	0.05	0.2	4.46	77
180970057	2012	9	3	3	V	0.06	0.3	4.15	74
180970057	2012	9	3	4	V	0.6	0.8	3.97	60
180970057	2012	9	3	5	V	0.5	0.4	3.92	61
180970057	2012	9	3	6	V	2.6	0.3	3.47	63
180970057	2012	9	3	7	V	8.8	0.2	3.17	57
180970057	2012	9	3	8	V	8.5	0.3	3.12	35
180970057	2012	9	3	9	V	11.3	0.3	2.95	53
180970057	2012	9	3	10	V	0.3	0.4	3.08	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	3	11	V	0.5	0.6	2.35	86
180970057	2012	9	3	12	V	12.3	0.6	2.74	45
180970057	2012	9	3	13	V	10.2	1	3.17	54
180970057	2012	9	3	14	V	5.3	1.2	3.42	33
180970057	2012	9	3	15	V	0.2	0.6	3.63	22
180970057	2012	9	3	16	V	1.2	0.7	3.22	30
180970057	2012	9	3	17	V	0.03	0.6	2.88	15
180970057	2012	9	3	18	V	0.09	0.6	3.24	28
180970057	2012	9	3	19	V	0.1	1.2	3.08	35
180970057	2012	9	3	20	V	0.1	0.9	2.32	19
180970057	2012	9	3	21	V	0.09	0.4	2.64	25
180970057	2012	9	3	22	V	0.09	0.3	2.66	22
180970057	2012	9	3	23	V	0.09	0.2	2.67	71
180970057	2012	9	3	24	V	0.1	0.2	2.39	62
180970057	2012	9	4	1	V	4.4	0.1	2.23	55
180970057	2012	9	4	2	V	0.3	0.1	1.54	76
180970057	2012	9	4	3	V	0.8	0.1	1.18	334
180970057	2012	9	4	4	V	1.2	0.1	1.08	105
180970057	2012	9	4	5	V	90.8	0.1	1.37	193
180970057	2012	9	4	6	V	0.7	0.2	1.71	298
180970057	2012	9	4	7	V	4.5	0.1	0.97	324
180970057	2012	9	4	8	V	1.9	0.1	1.57	355
180970057	2012	9	4	9	V	2.0	0.2	1.69	357
180970057	2012	9	4	10	V	19.7	2.9	1.18	34
180970057	2012	9	4	11	V	6.7	4.4	1.16	290
180970057	2012	9	4	12	V	1.7	1.4	1.86	305
180970057	2012	9	4	13	V	2.2	1	1.89	298
180970057	2012	9	4	14	V	4.2	0.8	1.4	294
180970057	2012	9	4	15	V	0.8	0.5	2.28	270
180970057	2012	9	4	16	V	0.7	0.5	2.55	243
180970057	2012	9	4	17	V	0.2	0.4	2.3	248
180970057	2012	9	4	18	V	0.7	0.3	2.23	250
180970057	2012	9	4	19	V	1.5	0.3	2.16	275
180970057	2012	9	4	20	V	0.7	0.3	2.74	240
180970057	2012	9	4	21	V	0.4	0.2	2.73	228
180970057	2012	9	4	22	V	0.7	0.2	2.52	253
180970057	2012	9	4	23	V	0.2	0.2	1.88	306
180970057	2012	9	4	24	V	0.4	0.3	1.47	4
180970057	2012	9	5	1	C	-999	0.2	0	0
180970057	2012	9	5	2	C	-999	0.2	0	0
180970057	2012	9	5	3	C	-999	0.3	0	0
180970057	2012	9	5	4	V	0.08	0.6	2.36	82
180970057	2012	9	5	5	V	0.2	0.5	1.76	105
180970057	2012	9	5	6	V	11.6	0.3	1.76	210
180970057	2012	9	5	7	C	-999	0.4	0	0
180970057	2012	9	5	8	V	21.1	0.5	2.36	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	5	9	V	23.8	9.9	3.46	194
180970057	2012	9	5	10	V	30.8	14.6	3.05	194
180970057	2012	9	5	11	V	0.5	6.8	3.05	235
180970057	2012	9	5	12	V	0.05	2	7.45	328
180970057	2012	9	5	13	V	1.0	0.8	2.98	26
180970057	2012	9	5	14	V	4.0	2.5	5.26	181
180970057	2012	9	5	15	V	0.08	0.9	4.19	117
180970057	2012	9	5	16	V	0.06	0.8	4.41	107
180970057	2012	9	5	17	V	0.06	2.8	3.2	173
180970057	2012	9	5	18	V	0.08	14.6	2.64	152
180970057	2012	9	5	19	V	0.06	2.1	3.08	133
180970057	2012	9	5	20	V	75.7	0.8	2.35	197
180970057	2012	9	5	21	V	0.7	0.5	3.07	240
180970057	2012	9	5	22	V	0.7	0.5	3.7	249
180970057	2012	9	5	23	V	0.6	0.7	3.63	251
180970057	2012	9	5	24	V	0.6	0.4	2.42	230
180970057	2012	9	6	1	V	0.07	0.4	2.49	217
180970057	2012	9	6	2	V	0.07	0.4	2.52	220
180970057	2012	9	6	3	V	0.09	0.5	2.32	216
180970057	2012	9	6	4	V	0.1	0.5	2.3	222
180970057	2012	9	6	5	V	34.4	0.5	2.32	198
180970057	2012	9	6	6	V	26.2	0.5	2.23	198
180970057	2012	9	6	7	V	1.2	0.6	1.84	226
180970057	2012	9	6	8	V	1.9	0.5	1.91	226
180970057	2012	9	6	9	V	2.5	0.5	2.38	225
180970057	2012	9	6	10	V	45.7	1.2	2.5	204
180970057	2012	9	6	11	V	47.0	1.8	2.16	204
180970057	2012	9	6	12	V	38.0	1.9	1.86	206
180970057	2012	9	6	13	V	7.2	1.8	2.16	222
180970057	2012	9	6	14	V	17.4	1.6	3.05	205
180970057	2012	9	6	15	V	6.7	2.1	4.02	209
180970057	2012	9	6	16	V	25.5	8.5	4.8	200
180970057	2012	9	6	17	V	7.8	3.7	4.68	203
180970057	2012	9	6	18	V	1.2	2.9	4.46	207
180970057	2012	9	6	19	V	0.9	1.3	4.22	208
180970057	2012	9	6	20	V	4.0	0.6	3.83	206
180970057	2012	9	6	21	V	31.1	2.1	3.07	186
180970057	2012	9	6	22	V	0.1	3.4	2.15	161
180970057	2012	9	6	23	V	0.1	2	2.1	220
180970057	2012	9	6	24	V	0.7	1.1	2.86	239
180970057	2012	9	7	1	V	0.06	1.2	2.69	222
180970057	2012	9	7	2	V	12.0	1.1	2.25	202
180970057	2012	9	7	3	V	0.2	0.9	1.84	216
180970057	2012	9	7	4	V	7.6	0.6	0.69	220
180970057	2012	9	7	5	V	0.2	0.5	1.72	127
180970057	2012	9	7	6	V	0.4	0.4	3.08	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	7	7	V	1.3	0.3	2.52	152
180970057	2012	9	7	8	V	23.6	0.8	2.22	171
180970057	2012	9	7	9	V	21.2	12	2.84	175
180970057	2012	9	7	10	V	44.2	31.3	3.54	200
180970057	2012	9	7	11	V	52.0	22.3	3.73	195
180970057	2012	9	7	12	V	0.2	8.5	5.07	228
180970057	2012	9	7	13	V	0.3	2.9	4.32	281
180970057	2012	9	7	14	V	1.1	2.1	1.67	292
180970057	2012	9	7	15	V	0.2	1.7	3.8	334
180970057	2012	9	7	16	V	8.8	1.6	2.9	39
180970057	2012	9	7	17	V	1.0	1.3	4.34	32
180970057	2012	9	7	18	V	0.07	1	4.78	83
180970057	2012	9	7	19	V	0.1	0.9	3.86	110
180970057	2012	9	7	20	V	0.09	0.9	6.06	62
180970057	2012	9	7	21	V	0.04	0.3	8.66	359
180970057	2012	9	7	22	V	0.04	1.2	4.1	70
180970057	2012	9	7	23	V	0.05	0.4	3.08	69
180970057	2012	9	7	24	V	0.06	0.3	1.81	340
180970057	2012	9	8	1	V	0.8	0.1	2.76	272
180970057	2012	9	8	2	V	0.01	0.2	6.01	318
180970057	2012	9	8	3	V	0.01	0.1	6.24	333
180970057	2012	9	8	4	V	0.01	0.1	6.57	342
180970057	2012	9	8	5	V	0.01	0.1	4.7	335
180970057	2012	9	8	6	V	0.04	0.1	5.44	331
180970057	2012	9	8	7	V	0.05	0.1	4.73	322
180970057	2012	9	8	8	V	0.04	0.2	5.17	311
180970057	2012	9	8	9	V	0.03	0.3	5.9	319
180970057	2012	9	8	10	V	0.04	0.4	5.58	325
180970057	2012	9	8	11	V	0.03	0.5	6.04	318
180970057	2012	9	8	12	V	0.06	0.5	5.43	314
180970057	2012	9	8	13	V	0.07	0.5	5.04	302
180970057	2012	9	8	14	V	0.09	0.4	4.63	289
180970057	2012	9	8	15	V	0.05	0.5	5.6	284
180970057	2012	9	8	16	V	0.08	0.3	5.6	279
180970057	2012	9	8	17	V	0.3	0.3	5.63	280
180970057	2012	9	8	18	V	0.6	0.3	6.01	273
180970057	2012	9	8	19	V	0.7	0.3	4.27	273
180970057	2012	9	8	20	V	0.8	0.3	3.64	258
180970057	2012	9	8	21	V	0.7	0.4	3.44	245
180970057	2012	9	8	22	V	0.5	0.3	2.96	251
180970057	2012	9	8	23	V	0.7	-999	3.74	243
180970057	2012	9	8	24	V	0.7	0.3	2.95	240
180970057	2012	9	9	1	V	0.05	0.2	2.98	226
180970057	2012	9	9	2	V	0.2	0.2	3.12	238
180970057	2012	9	9	3	V	0.2	0.2	2.91	245
180970057	2012	9	9	4	V	0.1	0.3	3.64	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	9	5	V	0.02	0.5	2.93	215
180970057	2012	9	9	6	V	0.4	0.6	2.86	173
180970057	2012	9	9	7	V	0.2	0.4	2.64	213
180970057	2012	9	9	8	V	0.3	0.8	2.96	239
180970057	2012	9	9	9	V	0.2	0.9	3.4	287
180970057	2012	9	9	10	V	0.2	1.1	3.15	317
180970057	2012	9	9	11	V	0.1	1	4.03	333
180970057	2012	9	9	12	V	0.06	1.1	5.55	5
180970057	2012	9	9	13	V	0.08	0.9	5.62	16
180970057	2012	9	9	14	V	0.06	0.6	5.31	2
180970057	2012	9	9	15	V	0.05	0.5	4.95	353
180970057	2012	9	9	16	V	0.04	0.4	4.87	358
180970057	2012	9	9	17	V	0.01	0.4	5.26	357
180970057	2012	9	9	18	V	0.01	0.5	5.79	329
180970057	2012	9	9	19	V	0.01	0.5	4.78	332
180970057	2012	9	9	20	V	0.01	0.3	4.44	355
180970057	2012	9	9	21	V	0.01	0.3	3.42	339
180970057	2012	9	9	22	V	0.01	0.4	4.76	338
180970057	2012	9	9	23	V	0.01	0.4	5.07	358
180970057	2012	9	9	24	V	0.01	0.4	4.1	2
180970057	2012	9	10	1	V	0.01	0.3	3.66	13
180970057	2012	9	10	2	V	0.05	0.3	2.13	351
180970057	2012	9	10	3	V	0.1	0.3	1.96	329
180970057	2012	9	10	4	V	0.2	0.2	1.55	340
180970057	2012	9	10	5	V	1.5	0.3	0.96	297
180970057	2012	9	10	6	V	0.7	0.5	1.52	343
180970057	2012	9	10	7	V	1.3	0.6	1.99	360
180970057	2012	9	10	8	V	8.8	1	2.33	29
180970057	2012	9	10	9	V	9.9	1.9	2.01	56
180970057	2012	9	10	10	V	5.7	2.3	1.33	93
180970057	2012	9	10	11	V	3.7	1.7	1.53	129
180970057	2012	9	10	12	V	2.3	0.8	2.11	149
180970057	2012	9	10	13	V	2.1	1	1.82	130
180970057	2012	9	10	14	V	1.9	0.5	1.79	123
180970057	2012	9	10	15	V	19.8	4	2.27	195
180970057	2012	9	10	16	V	11.9	2.9	2.15	176
180970057	2012	9	10	17	V	89.0	7.7	1.89	189
180970057	2012	9	10	18	V	112.4	7.7	2.1	195
180970057	2012	9	10	19	V	0.4	5.3	2.3	209
180970057	2012	9	10	20	V	0.3	1	2.03	212
180970057	2012	9	10	21	V	120.8	0.6	1.6	195
180970057	2012	9	10	22	V	84.2	0.6	0.65	204
180970057	2012	9	10	23	V	0.4	0.6	1.45	149
180970057	2012	9	10	24	V	0.4	0.5	1.48	139
180970057	2012	9	11	1	V	0.05	0.4	2.66	169
180970057	2012	9	11	2	V	0.2	0.4	1.74	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	11	3	V	0.2	0.4	1.79	166
180970057	2012	9	11	4	V	0.1	0.4	1.99	143
180970057	2012	9	11	5	V	0.6	0.5	1.33	108
180970057	2012	9	11	6	V	0.9	0.6	1.67	108
180970057	2012	9	11	7	V	2.2	0.8	1.62	120
180970057	2012	9	11	8	V	2.1	1.2	1.94	138
180970057	2012	9	11	9	V	10.8	1.4	2.27	172
180970057	2012	9	11	10	V	6.9	1.5	4.37	178
180970057	2012	9	11	11	V	5.0	1.6	4.63	176
180970057	2012	9	11	12	V	8.0	2.5	4.15	179
180970057	2012	9	11	13	V	14.5	2.6	3.8	187
180970057	2012	9	11	14	V	9.6	7.4	3.69	180
180970057	2012	9	11	15	V	5.3	11.7	3.44	174
180970057	2012	9	11	16	V	21.9	4.4	3.59	189
180970057	2012	9	11	17	V	43.0	7.9	4.15	188
180970057	2012	9	11	18	V	30.9	8.5	3.78	187
180970057	2012	9	11	19	V	0.06	1	3.27	175
180970057	2012	9	11	20	V	0.04	0.8	3.4	155
180970057	2012	9	11	21	V	0.04	0.7	3.64	154
180970057	2012	9	11	22	V	0.03	0.5	3.54	147
180970057	2012	9	11	23	V	0.03	0.6	4.34	160
180970057	2012	9	11	24	V	0.04	0.5	3.73	164
180970057	2012	9	12	1	V	0.04	0.5	3.35	161
180970057	2012	9	12	2	V	0.04	0.4	2.83	171
180970057	2012	9	12	3	V	0.1	0.4	2.08	152
180970057	2012	9	12	4	V	0.07	0.4	2.49	139
180970057	2012	9	12	5	V	0.1	0.4	1.96	121
180970057	2012	9	12	6	V	0.7	0.3	1.77	118
180970057	2012	9	12	7	V	1.4	0.4	1.94	140
180970057	2012	9	12	8	V	2.3	0.7	1.86	146
180970057	2012	9	12	9	V	21.5	5.3	2.32	175
180970057	2012	9	12	10	V	17.3	15.5	2.88	191
180970057	2012	9	12	11	V	11.8	7	4	205
180970057	2012	9	12	12	V	13.9	9.1	4.07	205
180970057	2012	9	12	13	V	2.5	2.8	5.33	213
180970057	2012	9	12	14	V	0.5	3	4.27	223
180970057	2012	9	12	15	V	13.2	19.2	5.09	204
180970057	2012	9	12	16	V	0.3	5	6.11	213
180970057	2012	9	12	17	V	1.5	2	4.56	210
180970057	2012	9	12	18	V	0.9	1.7	3.54	209
180970057	2012	9	12	19	V	63.3	2	3.81	190
180970057	2012	9	12	20	V	26.8	1.7	3.52	186
180970057	2012	9	12	21	V	0.8	1.2	3.37	177
180970057	2012	9	12	22	V	28.0	2.7	2.61	187
180970057	2012	9	12	23	V	1.8	1.9	3.68	178
180970057	2012	9	12	24	V	5.5	6	3.88	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	13	1	V	0.09	2.3	3.46	171
180970057	2012	9	13	2	V	0.1	1.5	3.66	171
180970057	2012	9	13	3	V	16.9	3.2	2.62	185
180970057	2012	9	13	4	V	0.9	3.5	2.73	208
180970057	2012	9	13	5	V	0.1	1.9	2.15	218
180970057	2012	9	13	6	V	28.7	1.4	1.77	202
180970057	2012	9	13	7	V	32.2	1.3	1.76	181
180970057	2012	9	13	8	V	51.2	1.5	2.37	195
180970057	2012	9	13	9	V	42.0	4.5	2.35	188
180970057	2012	9	13	10	V	0.9	20.8	3.07	158
180970057	2012	9	13	11	V	35.7	18.7	3.68	196
180970057	2012	9	13	12	V	18.8	5.2	3.73	204
180970057	2012	9	13	13	V	5.8	3.4	3.91	210
180970057	2012	9	13	14	V	2.2	2.6	4.05	213
180970057	2012	9	13	15	V	3.0	1.9	3.37	216
180970057	2012	9	13	16	V	1.0	2.8	3.71	217
180970057	2012	9	13	17	V	21.9	4.4	4.07	184
180970057	2012	9	13	18	V	61.3	1.9	4.1	194
180970057	2012	9	13	19	V	10.2	1.3	3.46	201
180970057	2012	9	13	20	V	7.3	1.8	3.56	184
180970057	2012	9	13	21	V	46.1	1.3	2.44	197
180970057	2012	9	13	22	V	0.4	1.1	1.91	225
180970057	2012	9	13	23	V	10.0	1.7	1.42	207
180970057	2012	9	13	24	V	1.0	1	1.88	263
180970057	2012	9	14	1	V	0.05	1.1	2.91	323
180970057	2012	9	14	2	V	0.04	0.6	4.29	336
180970057	2012	9	14	3	V	0.04	0.3	3.18	4
180970057	2012	9	14	4	V	0.05	0.2	3.15	11
180970057	2012	9	14	5	V	0.06	0.3	3.42	26
180970057	2012	9	14	6	V	0.2	0.2	3.54	12
180970057	2012	9	14	7	V	0.1	0.2	5.39	346
180970057	2012	9	14	8	V	0.1	0.2	5.29	356
180970057	2012	9	14	9	V	0.2	0.2	5.24	1
180970057	2012	9	14	10	V	0.2	0.2	5.05	5
180970057	2012	9	14	11	V	0.6	1.1	5.07	24
180970057	2012	9	14	12	V	0.2	2.2	5.24	22
180970057	2012	9	14	13	V	0.1	1	5.94	18
180970057	2012	9	14	14	V	2.0	3.8	6.7	33
180970057	2012	9	14	15	V	1.9	4	6.01	33
180970057	2012	9	14	16	V	5.2	9.4	5.04	37
180970057	2012	9	14	17	V	0.1	7.9	4.09	23
180970057	2012	9	14	18	V	0.1	2.8	3.46	30
180970057	2012	9	14	19	V	3.4	1.9	2.3	40
180970057	2012	9	14	20	V	21.0	0.9	1.23	40
180970057	2012	9	14	21	C	-999	0.8	0	0
180970057	2012	9	14	22	V	1.5	1.1	1.11	330

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	14	23	V	0.8	1.1	1.28	323
180970057	2012	9	14	24	V	0.6	1.1	1.25	336
180970057	2012	9	15	1	V	0.2	0.9	1.45	328
180970057	2012	9	15	2	V	0.4	0.9	1.08	291
180970057	2012	9	15	3	V	0.09	0.9	1.62	302
180970057	2012	9	15	4	V	1.4	0.9	0.77	299
180970057	2012	9	15	5	V	0.7	0.7	1.11	250
180970057	2012	9	15	6	V	0.4	0.8	1.28	320
180970057	2012	9	15	7	V	7.2	1	0.63	51
180970057	2012	9	15	8	V	1.7	1.3	1.08	99
180970057	2012	9	15	9	V	12.9	1.4	1.06	59
180970057	2012	9	15	10	V	0.8	1.2	1.5	121
180970057	2012	9	15	11	V	0.2	1	2.54	138
180970057	2012	9	15	12	V	0.2	1	2.25	132
180970057	2012	9	15	13	V	0.7	5.2	1.84	164
180970057	2012	9	15	14	V	0.3	6.5	2.01	135
180970057	2012	9	15	15	V	0.2	4.1	2.05	154
180970057	2012	9	15	16	V	0.09	1.4	2.15	127
180970057	2012	9	15	17	V	0.3	2.4	1.69	209
180970057	2012	9	15	18	V	1.0	1.1	1.42	240
180970057	2012	9	15	19	V	0.08	0.8	1.65	217
180970057	2012	9	15	20	V	0.7	0.8	1.71	232
180970057	2012	9	15	21	V	1.6	0.9	0.92	260
180970057	2012	9	15	22	V	0.8	0.9	1.57	255
180970057	2012	9	15	23	V	0.6	-999	1.01	289
180970057	2012	9	15	24	V	0.1	0.6	1.55	76
180970057	2012	9	16	1	V	0.4	1	1.13	15
180970057	2012	9	16	2	V	3.6	0.9	0.69	354
180970057	2012	9	16	3	C	-999	0.9	0	0
180970057	2012	9	16	4	V	8.3	0.8	1.89	55
180970057	2012	9	16	5	V	22.1	0.9	1.37	43
180970057	2012	9	16	6	V	2.2	0.7	1.55	75
180970057	2012	9	16	7	V	4.8	0.6	1.37	79
180970057	2012	9	16	8	V	17.4	1.1	0.86	60
180970057	2012	9	16	9	V	1.2	1.3	2.15	125
180970057	2012	9	16	10	V	0.4	3.9	3.17	147
180970057	2012	9	16	11	V	0.6	2.2	2.86	145
180970057	2012	9	16	12	V	0.4	1.4	3.44	129
180970057	2012	9	16	13	V	0.6	1.4	2.69	121
180970057	2012	9	16	14	V	0.6	1.4	2.64	145
180970057	2012	9	16	15	V	1.3	1.5	2.5	160
180970057	2012	9	16	16	V	14.3	12.5	2.35	188
180970057	2012	9	16	17	V	50.4	8.8	1.99	197
180970057	2012	9	16	18	V	3.8	3.4	2.76	204
180970057	2012	9	16	19	V	0.08	1	2.45	215
180970057	2012	9	16	20	V	21.8	1	1.33	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	16	21	V	4.5	0.9	1.28	212
180970057	2012	9	16	22	V	0.6	0.8	1.72	213
180970057	2012	9	16	23	V	2.1	0.6	1.21	240
180970057	2012	9	16	24	V	2.0	0.6	1.25	275
180970057	2012	9	17	1	V	104.3	0.5	1.03	200
180970057	2012	9	17	2	V	2.1	0.7	0.96	108
180970057	2012	9	17	3	V	4.2	0.7	0.96	169
180970057	2012	9	17	4	V	0.9	0.6	1.33	235
180970057	2012	9	17	5	V	5.2	0.6	0.79	80
180970057	2012	9	17	6	V	0.9	0.7	1.74	146
180970057	2012	9	17	7	V	71.5	0.8	1.18	192
180970057	2012	9	17	8	V	60.5	1.2	0.91	196
180970057	2012	9	17	9	V	8.3	1.4	1.06	124
180970057	2012	9	17	10	V	0.6	2.1	2.38	152
180970057	2012	9	17	11	V	7.9	3.1	2.61	174
180970057	2012	9	17	12	V	37.2	3.5	2.45	187
180970057	2012	9	17	13	V	15.0	4.8	2.05	176
180970057	2012	9	17	14	V	16.8	4.7	2.52	180
180970057	2012	9	17	15	V	12.7	1.3	3.58	182
180970057	2012	9	17	16	V	23.0	1.1	2.93	196
180970057	2012	9	17	17	V	44.5	1.6	4.22	198
180970057	2012	9	17	18	V	3.4	2.2	3.08	206
180970057	2012	9	17	19	V	0.4	2.1	4.51	233
180970057	2012	9	17	20	V	0.8	0.6	1.99	250
180970057	2012	9	17	21	V	0.3	0.7	1.59	131
180970057	2012	9	17	22	V	0.09	0.4	2.86	125
180970057	2012	9	17	23	V	0.1	0.3	3.98	163
180970057	2012	9	17	24	V	0.3	0.3	4.14	225
180970057	2012	9	18	1	V	0.4	0.3	3.9	250
180970057	2012	9	18	2	V	0.6	0.2	3.17	255
180970057	2012	9	18	3	V	0.1	0.2	4.31	286
180970057	2012	9	18	4	V	0.03	0.2	5.65	319
180970057	2012	9	18	5	V	0.02	0.2	7.06	325
180970057	2012	9	18	6	V	0.03	0.2	7.08	319
180970057	2012	9	18	7	V	0.08	0.2	7.47	320
180970057	2012	9	18	8	V	0.09	0.2	6.99	313
180970057	2012	9	18	9	V	0.1	0.4	7.15	313
180970057	2012	9	18	10	V	0.1	0.4	7.4	311
180970057	2012	9	18	11	V	0.09	0.7	8.37	312
180970057	2012	9	18	12	V	0.1	0.7	8.03	317
180970057	2012	9	18	13	V	0.1	0.7	8.27	314
180970057	2012	9	18	14	V	0.1	0.6	7.55	310
180970057	2012	9	18	15	V	0.1	0.5	7.33	300
180970057	2012	9	18	16	V	0.07	0.4	8.36	290
180970057	2012	9	18	17	V	0.02	0.4	8.2	303
180970057	2012	9	18	18	V	0.01	0.3	7.93	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	18	19	V	0.02	0.4	5.63	316
180970057	2012	9	18	20	V	0.05	0.5	4.19	322
180970057	2012	9	18	21	V	0.05	0.6	3.54	330
180970057	2012	9	18	22	V	0.09	0.4	2.56	323
180970057	2012	9	18	23	V	0.1	0.4	2.28	312
180970057	2012	9	18	24	V	0.1	0.5	2.13	298
180970057	2012	9	19	1	V	0.7	0.5	2.05	270
180970057	2012	9	19	2	V	0.2	0.5	2.57	245
180970057	2012	9	19	3	V	0.3	0.7	2.28	244
180970057	2012	9	19	4	V	0.3	0.6	2.1	238
180970057	2012	9	19	5	V	0.3	0.6	2.01	235
180970057	2012	9	19	6	V	62.2	0.7	1.89	196
180970057	2012	9	19	7	V	4.5	1.1	1.43	232
180970057	2012	9	19	8	V	8.4	0.9	1.81	224
180970057	2012	9	19	9	V	11.1	1.1	2.03	218
180970057	2012	9	19	10	V	5.3	3.1	3.42	214
180970057	2012	9	19	11	V	5.1	5.6	4.17	212
180970057	2012	9	19	12	V	2.4	4	3.9	218
180970057	2012	9	19	13	V	10.2	9.2	3.64	208
180970057	2012	9	19	14	V	15.1	9.6	4.59	203
180970057	2012	9	19	15	V	22.1	9.4	5.11	199
180970057	2012	9	19	16	V	26.5	21.6	5.44	197
180970057	2012	9	19	17	V	10.0	15.4	6.75	189
180970057	2012	9	19	18	V	0.03	12.9	6.41	173
180970057	2012	9	19	19	V	0.03	1.6	4.75	173
180970057	2012	9	19	20	V	0.07	2.1	4.32	174
180970057	2012	9	19	21	V	2.8	22.5	4.26	181
180970057	2012	9	19	22	V	0.09	18.3	4.37	176
180970057	2012	9	19	23	V	0.02	3.1	5.94	170
180970057	2012	9	19	24	V	0.02	1.5	5.89	169
180970057	2012	9	20	1	V	2.0	8	3.44	204
180970057	2012	9	20	2	V	2.7	6.1	4.31	183
180970057	2012	9	20	3	V	0.02	2.4	4.59	170
180970057	2012	9	20	4	V	0.1	1.4	3.98	177
180970057	2012	9	20	5	V	0.1	2.4	3.54	177
180970057	2012	9	20	6	V	10.0	9.1	5.48	195
180970057	2012	9	20	7	V	11.2	11.5	5.29	193
180970057	2012	9	20	8	V	6.1	7.1	5.05	204
180970057	2012	9	20	9	V	10.8	5.2	5.73	200
180970057	2012	9	20	10	V	0.2	4.9	5.33	217
180970057	2012	9	20	11	V	0.2	4.1	6.57	232
180970057	2012	9	20	12	V	0.3	3.2	6.77	236
180970057	2012	9	20	13	V	0.1	2.4	6.63	228
180970057	2012	9	20	14	V	0.1	2.6	6.7	226
180970057	2012	9	20	15	V	0.06	2.3	6.16	219
180970057	2012	9	20	16	V	0.1	2.6	5.84	213

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	20	17	V	0.1	1.7	5.48	213
180970057	2012	9	20	18	V	0.1	1.2	4.9	213
180970057	2012	9	20	19	V	0.2	0.8	3.23	211
180970057	2012	9	20	20	V	0.1	0.7	3.12	221
180970057	2012	9	20	21	V	0.07	0.6	2.42	219
180970057	2012	9	20	22	V	0.7	0.6	2.11	255
180970057	2012	9	20	23	V	0.08	0.5	2.03	288
180970057	2012	9	20	24	V	0.7	0.4	1.79	269
180970057	2012	9	21	1	V	1.0	0.3	1.79	263
180970057	2012	9	21	2	V	1.1	0.4	1.91	259
180970057	2012	9	21	3	V	1.1	0.5	1.99	260
180970057	2012	9	21	4	V	1.0	0.5	1.91	272
180970057	2012	9	21	5	V	0.2	0.6	2.16	240
180970057	2012	9	21	6	V	0.3	0.8	2.25	227
180970057	2012	9	21	7	V	2.9	0.7	2.44	215
180970057	2012	9	21	8	V	1.9	0.9	1.64	227
180970057	2012	9	21	9	V	1.1	-999	1.82	217
180970057	2012	9	21	10	V	0.9	-999	2.01	211
180970057	2012	9	21	11	V	0.9	2.5	1.79	230
180970057	2012	9	21	12	V	0.5	2.8	2.49	206
180970057	2012	9	21	13	V	0.1	3.5	3.37	172
180970057	2012	9	21	14	V	0.03	2.4	4.22	149
180970057	2012	9	21	15	V	0.03	2.1	4.59	148
180970057	2012	9	21	16	V	0.02	1.8	4.99	140
180970057	2012	9	21	17	V	0.01	2.2	4.71	104
180970057	2012	9	21	18	V	0.01	1.9	7.3	73
180970057	2012	9	21	19	V	0.01	1.7	5.56	360
180970057	2012	9	21	20	V	0.01	0.9	6.55	15
180970057	2012	9	21	21	V	0.4	1.6	5.73	56
180970057	2012	9	21	22	V	0.01	1	4.44	111
180970057	2012	9	21	23	V	0.2	0.8	2.39	224
180970057	2012	9	21	24	V	0.8	0.9	2.08	240
180970057	2012	9	22	1	V	0.01	0.9	3.73	313
180970057	2012	9	22	2	V	0.01	0.8	3.69	320
180970057	2012	9	22	3	V	0.01	0.8	4.1	313
180970057	2012	9	22	4	V	0.02	0.8	3.27	298
180970057	2012	9	22	5	V	0.03	0.8	4.17	290
180970057	2012	9	22	6	V	0.7	0.8	3.57	266
180970057	2012	9	22	7	V	0.2	0.7	4.32	258
180970057	2012	9	22	8	V	0.2	0.7	4.29	254
180970057	2012	9	22	9	V	0.1	0.9	4.27	223
180970057	2012	9	22	10	V	0.2	1	5.21	235
180970057	2012	9	22	11	V	0.2	1.7	7.26	245
180970057	2012	9	22	12	V	0.1	1.8	10.15	264
180970057	2012	9	22	13	V	0.06	1.3	10.72	277
180970057	2012	9	22	14	V	0.02	1	11.74	288

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	22	15	V	0.02	0.9	10.99	305
180970057	2012	9	22	16	V	0.02	0.9	8.52	306
180970057	2012	9	22	17	V	0.005	0.9	7.2	310
180970057	2012	9	22	18	V	0.01	1	5.56	310
180970057	2012	9	22	19	V	0.01	1.1	3.34	307
180970057	2012	9	22	20	V	0.04	1.2	1.87	293
180970057	2012	9	22	21	V	0.07	1.1	1.76	291
180970057	2012	9	22	22	V	0.7	1.1	2.08	264
180970057	2012	9	22	23	V	0.4	-999	2.22	268
180970057	2012	9	22	24	V	0.03	1	2.23	307
180970057	2012	9	23	1	V	0.02	1	2.42	299
180970057	2012	9	23	2	V	0.7	1	2.25	256
180970057	2012	9	23	3	V	0.2	1.1	2.22	241
180970057	2012	9	23	4	V	0.1	1.1	2.42	248
180970057	2012	9	23	5	V	0.9	1.1	2.3	272
180970057	2012	9	23	6	V	0.8	1	1.69	271
180970057	2012	9	23	7	V	0.5	1.1	1.96	251
180970057	2012	9	23	8	V	0.8	1.1	2.19	269
180970057	2012	9	23	9	V	0.3	1.4	2.3	296
180970057	2012	9	23	10	V	0.3	2.1	2.52	310
180970057	2012	9	23	11	V	0.2	1.7	3.03	303
180970057	2012	9	23	12	V	0.08	1.2	4.49	298
180970057	2012	9	23	13	V	0.09	1.1	4.36	300
180970057	2012	9	23	14	V	0.07	1.2	4.37	289
180970057	2012	9	23	15	V	0.04	1.1	5.17	297
180970057	2012	9	23	16	V	0.03	1.1	4.87	309
180970057	2012	9	23	17	V	0.01	1.1	4.46	293
180970057	2012	9	23	18	V	0.2	1.1	4.32	283
180970057	2012	9	23	19	V	0.7	1.1	3.3	270
180970057	2012	9	23	20	V	0.6	1.2	2.5	238
180970057	2012	9	23	21	V	0.6	1.2	2.25	237
180970057	2012	9	23	22	V	0.9	1.4	1.67	263
180970057	2012	9	23	23	V	0.8	1.3	2.11	263
180970057	2012	9	23	24	V	0.02	1.3	2.38	323
180970057	2012	9	24	1	V	0.01	1.7	3.22	28
180970057	2012	9	24	2	V	0.01	1.3	2.5	76
180970057	2012	9	24	3	V	0.01	1.4	2.79	91
180970057	2012	9	24	4	V	0.04	1.4	2.01	95
180970057	2012	9	24	5	V	0.4	1.4	1.04	128
180970057	2012	9	24	6	V	0.1	1.5	1.4	165
180970057	2012	9	24	7	V	0.6	1.9	1.72	161
180970057	2012	9	24	8	V	3.4	1.5	1.09	201
180970057	2012	9	24	9	V	3.4	2.1	1.09	209
180970057	2012	9	24	10	V	0.4	2.3	2.47	222
180970057	2012	9	24	11	V	0.3	1.8	3.12	217
180970057	2012	9	24	12	V	0.2	1.5	4.82	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	24	13	V	0.3	1.2	4.63	238
180970057	2012	9	24	14	V	0.3	1.3	4.36	241
180970057	2012	9	24	15	V	0.1	1.6	4.85	223
180970057	2012	9	24	16	V	0.06	1.5	5.87	211
180970057	2012	9	24	17	V	0.3	1.4	6.19	207
180970057	2012	9	24	18	V	0.5	1.7	5.39	203
180970057	2012	9	24	19	V	1.7	2.3	4.36	197
180970057	2012	9	24	20	V	0.4	2.5	3.54	182
180970057	2012	9	24	21	V	0.7	2	3.81	183
180970057	2012	9	24	22	V	1.8	2.1	3.44	185
180970057	2012	9	24	23	V	1.3	2	3.13	183
180970057	2012	9	24	24	V	0.2	2.6	3.61	177
180970057	2012	9	25	1	V	0.2	4.8	3.23	176
180970057	2012	9	25	2	V	0.2	6.2	3.61	175
180970057	2012	9	25	3	V	0.05	4.7	3.59	168
180970057	2012	9	25	4	V	0.09	6.9	1.74	221
180970057	2012	9	25	5	V	0.03	3.2	3.03	141
180970057	2012	9	25	6	V	0.04	2.1	4.82	159
180970057	2012	9	25	7	V	3.3	3.1	3.71	178
180970057	2012	9	25	8	V	0.1	2.8	4.03	159
180970057	2012	9	25	9	V	6.5	3.7	3.78	205
180970057	2012	9	25	10	V	25.4	1.5	2.73	192
180970057	2012	9	25	11	V	0.3	1.9	3.47	163
180970057	2012	9	25	12	V	0.4	1.8	3.81	165
180970057	2012	9	25	13	V	2.5	2	4.39	179
180970057	2012	9	25	14	V	1.6	1.5	4.32	178
180970057	2012	9	25	15	V	0.2	2.7	5.07	175
180970057	2012	9	25	16	V	4.5	9.4	4.68	184
180970057	2012	9	25	17	V	7.8	3	4.24	183
180970057	2012	9	25	18	V	0.06	1.7	3.22	159
180970057	2012	9	25	19	V	0.06	1.3	2.32	141
180970057	2012	9	25	20	V	6.7	1.6	2.59	183
180970057	2012	9	25	21	V	0.2	1.7	2.44	176
180970057	2012	9	25	22	V	0.05	1.3	2.78	147
180970057	2012	9	25	23	V	4.9	1.2	3.8	182
180970057	2012	9	25	24	V	0.09	1.5	7.18	213
180970057	2012	9	26	1	V	0.04	1	6.4	219
180970057	2012	9	26	2	V	0.2	0.9	3.29	213
180970057	2012	9	26	3	V	20.7	1.2	2.69	197
180970057	2012	9	26	4	V	22.0	1.2	4.05	189
180970057	2012	9	26	5	V	0.06	1.1	4.54	218
180970057	2012	9	26	6	V	0.1	0.9	4.61	221
180970057	2012	9	26	7	V	1.7	0.8	4.65	209
180970057	2012	9	26	8	V	13.0	1	4.37	201
180970057	2012	9	26	9	V	0.4	0.8	3.8	227
180970057	2012	9	26	10	V	0.2	1.1	5.07	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	26	11	V	0.1	1.3	7.64	230
180970057	2012	9	26	12	V	0.3	1	5.67	241
180970057	2012	9	26	13	V	0.3	0.9	6.82	237
180970057	2012	9	26	14	V	0.4	0.9	3.35	264
180970057	2012	9	26	15	V	0.3	1	1.89	316
180970057	2012	9	26	16	V	0.2	1.1	2.37	237
180970057	2012	9	26	17	V	1.3	1	1.04	233
180970057	2012	9	26	18	V	1.5	1	1.38	247
180970057	2012	9	26	19	V	0.9	1	1.71	210
180970057	2012	9	26	20	V	48.3	0.9	1.96	197
180970057	2012	9	26	21	V	2.8	1	0.86	11
180970057	2012	9	26	22	V	0.5	1	1.3	101
180970057	2012	9	26	23	V	0.2	1.1	1.69	77
180970057	2012	9	26	24	V	19.9	1	1.12	56
180970057	2012	9	27	1	V	0.06	0.9	2.36	104
180970057	2012	9	27	2	V	0.05	0.8	2.86	18
180970057	2012	9	27	3	V	0.1	0.8	2.86	32
180970057	2012	9	27	4	V	0.03	0.8	4.86	11
180970057	2012	9	27	5	V	0.03	0.7	4.36	13
180970057	2012	9	27	6	V	0.08	0.7	3.36	357
180970057	2012	9	27	7	V	0.2	0.7	2.86	345
180970057	2012	9	27	8	V	0.1	0.8	4.36	2
180970057	2012	9	27	9	V	0.1	0.8	2.96	346
180970057	2012	9	27	10	V	0.3	0.8	2.33	8
180970057	2012	9	27	11	V	0.6	0.8	1.82	348
180970057	2012	9	27	12	V	0.7	0.8	1.76	9
180970057	2012	9	27	13	V	2.3	0.8	1.48	319
180970057	2012	9	27	14	V	9.4	0.8	1.48	30
180970057	2012	9	27	15	V	1.4	3.4	1.48	122
180970057	2012	9	27	16	V	0.2	8.4	1.96	149
180970057	2012	9	27	17	V	0.03	2.9	2.89	127
180970057	2012	9	27	18	V	0.03	1.8	2.81	143
180970057	2012	9	27	19	V	0.04	1.2	2.66	148
180970057	2012	9	27	20	V	0.09	1.2	2.13	153
180970057	2012	9	27	21	V	0.06	0.9	2.23	152
180970057	2012	9	27	22	V	0.5	1.1	1.31	221
180970057	2012	9	27	23	V	0.07	1.8	2.13	160
180970057	2012	9	27	24	V	0.04	2.1	3.18	108
180970057	2012	9	28	1	V	0.03	1.2	2.83	103
180970057	2012	9	28	2	V	0.05	0.9	2.38	88
180970057	2012	9	28	3	V	0.04	0.9	2.37	101
180970057	2012	9	28	4	V	0.05	0.9	2.28	109
180970057	2012	9	28	5	V	1.1	0.7	1.2	69
180970057	2012	9	28	6	V	7.8	1.3	1.42	36
180970057	2012	9	28	7	V	0.4	1.5	2.08	1
180970057	2012	9	28	8	V	0.6	1.4	2.23	328

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	28	9	V	9.1	1.1	0.92	9
180970057	2012	9	28	10	V	1.8	1.3	1.7	313
180970057	2012	9	28	11	V	1.4	1.7	2.23	301
180970057	2012	9	28	12	V	1.2	1.6	2.61	278
180970057	2012	9	28	13	V	1.4	1.9	1.91	293
180970057	2012	9	28	14	V	0.7	1.7	2.22	298
180970057	2012	9	28	15	V	0.4	1.8	2.59	287
180970057	2012	9	28	16	V	0.1	1.8	2.86	301
180970057	2012	9	28	17	V	0.1	1.5	1.99	310
180970057	2012	9	28	18	V	0.04	1.6	2.86	304
180970057	2012	9	28	19	V	0.03	1.2	3.74	319
180970057	2012	9	28	20	V	0.03	1.1	3.37	321
180970057	2012	9	28	21	V	0.04	1	3.3	328
180970057	2012	9	28	22	V	0.04	1	3.23	347
180970057	2012	9	28	23	V	0.05	0.9	3.54	3
180970057	2012	9	28	24	V	0.04	0.8	3.23	13
180970057	2012	9	29	1	V	0.03	0.8	3	21
180970057	2012	9	29	2	V	0.02	0.9	3.4	18
180970057	2012	9	29	3	V	0.02	0.7	3.49	14
180970057	2012	9	29	4	V	0.03	0.7	2.71	3
180970057	2012	9	29	5	V	0.03	0.6	3.34	14
180970057	2012	9	29	6	V	0.5	0.6	3.51	26
180970057	2012	9	29	7	V	12.1	0.7	2.79	42
180970057	2012	9	29	8	V	0.6	0.8	2.52	5
180970057	2012	9	29	9	V	5.1	1	2.2	22
180970057	2012	9	29	10	V	9.7	2.8	1.67	27
180970057	2012	9	29	11	V	3.3	2.2	2.18	20
180970057	2012	9	29	12	V	0.4	1.7	3	4
180970057	2012	9	29	13	V	0.7	1.5	2.35	334
180970057	2012	9	29	14	V	0.4	1.2	2.74	305
180970057	2012	9	29	15	V	0.2	1	3.83	307
180970057	2012	9	29	16	V	0.06	1	4.27	329
180970057	2012	9	29	17	V	0.04	1.5	4.05	358
180970057	2012	9	29	18	V	0.06	1.5	2.4	336
180970057	2012	9	29	19	V	0.5	1.3	1.31	287
180970057	2012	9	29	20	V	0.9	1	1.74	233
180970057	2012	9	29	21	V	0.6	1	2.59	235
180970057	2012	9	29	22	V	1.0	0.8	2.11	241
180970057	2012	9	29	23	V	1.1	-999	2.28	246
180970057	2012	9	29	24	V	0.7	0.8	2.03	250
180970057	2012	9	30	1	V	0.1	1	1.86	21
180970057	2012	9	30	2	V	9.0	1	1.59	37
180970057	2012	9	30	3	V	3.8	1.1	0.75	164
180970057	2012	9	30	4	V	22.5	0.9	1.08	204
180970057	2012	9	30	5	V	0.9	0.9	1.36	253
180970057	2012	9	30	6	V	0.7	0.8	2.06	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	9	30	7	V	0.7	1	1.94	317
180970057	2012	9	30	8	V	1.6	1	1.81	353
180970057	2012	9	30	9	V	0.9	0.8	3.8	22
180970057	2012	9	30	10	V	1.0	1	2.33	347
180970057	2012	9	30	11	V	0.2	1.1	4.6	2
180970057	2012	9	30	12	V	0.3	1.4	3.86	15
180970057	2012	9	30	13	V	0.5	2.9	5.77	25
180970057	2012	9	30	14	V	0.3	3.3	5.38	22
180970057	2012	9	30	15	V	0.1	3.5	4.92	18
180970057	2012	9	30	16	V	4.7	5.2	4.32	37
180970057	2012	9	30	17	V	0.1	1	3.78	31
180970057	2012	9	30	18	V	0.05	3.4	4.39	26
180970057	2012	9	30	19	V	3.2	7.7	4.63	46
180970057	2012	9	30	20	V	6.9	16.1	3.86	45
180970057	2012	9	30	21	V	0.9	21.7	4.41	37
180970057	2012	9	30	22	V	7.4	14.8	3.68	47
180970057	2012	9	30	23	V	5.0	3.9	3.88	52
180970057	2012	9	30	24	V	0.04	1.5	4.73	71
180970057	2012	10	1	1	V	0.04	1	4.49	77
180970057	2012	10	1	2	V	0.06	0.9	3.93	78
180970057	2012	10	1	3	V	0.06	0.8	3.97	73
180970057	2012	10	1	4	V	0.05	0.8	3.98	67
180970057	2012	10	1	5	V	1.8	2.5	3.52	39
180970057	2012	10	1	6	V	0.8	2.2	4.37	33
180970057	2012	10	1	7	V	11.0	2.5	3.97	42
180970057	2012	10	1	8	V	12.2	3.8	4.37	44
180970057	2012	10	1	9	V	11.6	4.6	4.97	43
180970057	2012	10	1	10	V	6.0	3.1	4.24	58
180970057	2012	10	1	11	V	9.3	2.6	4.48	54
180970057	2012	10	1	12	V	12.8	4.5	4.29	47
180970057	2012	10	1	13	V	11.4	4.3	4.42	44
180970057	2012	10	1	14	V	6.6	2.5	4.12	55
180970057	2012	10	1	15	V	0.4	1.9	3.74	64
180970057	2012	10	1	16	V	0.2	2.5	4.56	27
180970057	2012	10	1	17	V	0.4	1.3	4.56	35
180970057	2012	10	1	18	V	0.08	1.1	3.9	7
180970057	2012	10	1	19	V	0.07	1.6	4.71	28
180970057	2012	10	1	20	V	0.4	2.6	6.14	39
180970057	2012	10	1	21	V	0.2	1.4	6.62	37
180970057	2012	10	1	22	V	1.0	1.8	6.01	44
180970057	2012	10	1	23	V	0.8	0.9	6.3	42
180970057	2012	10	1	24	V	0.07	0.9	6.75	33
180970057	2012	10	2	1	V	0.04	0.7	5.39	11
180970057	2012	10	2	2	V	0.03	0.6	5.89	15
180970057	2012	10	2	3	V	1.2	0.6	8	43
180970057	2012	10	2	4	V	1.2	1.1	7.54	45

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	2	5	V	1.0	1.4	6.79	44
180970057	2012	10	2	6	V	0.5	0.8	6.35	38
180970057	2012	10	2	7	V	4.4	0.7	6.26	36
180970057	2012	10	2	8	V	8.7	0.7	6.58	40
180970057	2012	10	2	9	V	7.7	0.7	6.24	39
180970057	2012	10	2	10	V	9.8	0.8	6.04	41
180970057	2012	10	2	11	V	10.6	1.2	5.28	42
180970057	2012	10	2	12	V	8.3	1.3	4.65	39
180970057	2012	10	2	13	V	10.0	1.2	4.65	41
180970057	2012	10	2	14	V	6.2	1.1	3.9	39
180970057	2012	10	2	15	V	0.4	0.9	3.69	30
180970057	2012	10	2	16	V	8.3	1	3.64	41
180970057	2012	10	2	17	V	7.0	0.9	2.38	44
180970057	2012	10	2	18	V	1.7	0.8	0.86	138
180970057	2012	10	2	19	V	0.2	0.7	1.93	133
180970057	2012	10	2	20	V	0.09	0.6	2.55	150
180970057	2012	10	2	21	V	0.3	0.6	3.01	175
180970057	2012	10	2	22	V	4.8	0.5	3.3	181
180970057	2012	10	2	23	V	1.4	0.5	3.47	178
180970057	2012	10	2	24	V	0.07	0.6	3.03	161
180970057	2012	10	3	1	V	0.07	0.5	3.18	162
180970057	2012	10	3	2	V	0.07	0.5	3	164
180970057	2012	10	3	3	V	2.1	0.5	4.39	179
180970057	2012	10	3	4	V	4.0	0.7	4.54	181
180970057	2012	10	3	5	V	8.4	1.5	4.58	183
180970057	2012	10	3	6	V	6.5	3.3	4.43	180
180970057	2012	10	3	7	V	4.5	3	4.7	178
180970057	2012	10	3	8	V	12.6	2.4	4.37	181
180970057	2012	10	3	9	V	11.4	2.2	4.92	181
180970057	2012	10	3	10	V	38.4	3.4	5.62	196
180970057	2012	10	3	11	V	12.0	5.2	6.53	203
180970057	2012	10	3	12	V	7.0	3.7	6.45	205
180970057	2012	10	3	13	V	0.2	4.3	6.46	216
180970057	2012	10	3	14	V	0.2	4.3	5.82	214
180970057	2012	10	3	15	V	3.0	7.7	5.63	207
180970057	2012	10	3	16	V	5.2	14.9	5.36	204
180970057	2012	10	3	17	V	1.1	5.1	5.68	206
180970057	2012	10	3	18	V	8.6	4.6	4.54	202
180970057	2012	10	3	19	V	0.06	2.8	3.56	168
180970057	2012	10	3	20	V	0.07	1.5	3.9	160
180970057	2012	10	3	21	V	0.04	1.3	4.78	168
180970057	2012	10	3	22	V	0.6	1.4	4.92	179
180970057	2012	10	3	23	V	7.2	35.5	4.75	184
180970057	2012	10	3	24	V	12.4	38.3	4.24	184
180970057	2012	10	4	1	V	1.0	13.3	3.59	180
180970057	2012	10	4	2	V	0.9	7.2	2.45	179

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	4	3	V	3.9	3.9	2.96	204
180970057	2012	10	4	4	V	0.05	2.5	3.32	219
180970057	2012	10	4	5	V	1.3	2.6	3.1	205
180970057	2012	10	4	6	V	17.2	3	2.78	182
180970057	2012	10	4	7	V	63.7	3.9	2.62	193
180970057	2012	10	4	8	V	9.0	4.9	2.86	213
180970057	2012	10	4	9	V	6.0	4	3.56	215
180970057	2012	10	4	10	V	0.3	5	5.09	230
180970057	2012	10	4	11	V	0.2	4.7	5.33	225
180970057	2012	10	4	12	V	1.8	4.2	4.78	214
180970057	2012	10	4	13	V	1.9	3.1	5.48	214
180970057	2012	10	4	14	V	2.0	2.5	6.6	212
180970057	2012	10	4	15	V	0.6	2	7.11	213
180970057	2012	10	4	16	V	0.09	1.7	6.21	224
180970057	2012	10	4	17	V	0.2	1.4	6.64	228
180970057	2012	10	4	18	V	0.4	1.2	5.44	208
180970057	2012	10	4	19	V	19.3	1.3	4.24	200
180970057	2012	10	4	20	V	3.3	9.7	4.83	182
180970057	2012	10	4	21	V	42.0	14.5	4.78	192
180970057	2012	10	4	22	V	25.4	13.2	4.27	199
180970057	2012	10	4	23	V	1.9	6.3	3.8	205
180970057	2012	10	4	24	V	0.6	2.5	3.78	237
180970057	2012	10	5	1	V	0.2	1.9	3.18	245
180970057	2012	10	5	2	V	0.04	1.2	4.51	306
180970057	2012	10	5	3	V	0.04	0.8	3.08	321
180970057	2012	10	5	4	V	0.05	0.7	3.76	318
180970057	2012	10	5	5	V	0.04	0.7	5.27	326
180970057	2012	10	5	6	V	0.1	0.8	3.32	341
180970057	2012	10	5	7	V	0.2	0.8	3.69	333
180970057	2012	10	5	8	V	0.1	0.8	4.2	337
180970057	2012	10	5	9	V	0.3	0.7	2.76	332
180970057	2012	10	5	10	V	0.3	0.7	2.74	288
180970057	2012	10	5	11	V	0.3	0.7	3.05	302
180970057	2012	10	5	12	V	0.3	0.6	2.81	310
180970057	2012	10	5	13	V	0.3	0.7	2.74	316
180970057	2012	10	5	14	V	0.09	0.6	4.54	321
180970057	2012	10	5	15	V	0.06	0.6	4.05	318
180970057	2012	10	5	16	V	0.1	0.6	4.15	340
180970057	2012	10	5	17	V	0.06	0.6	4.85	334
180970057	2012	10	5	18	V	0.03	0.6	6.53	325
180970057	2012	10	5	19	V	0.03	0.6	6.31	327
180970057	2012	10	5	20	V	0.04	0.5	5.73	338
180970057	2012	10	5	21	V	0.06	0.6	4.76	324
180970057	2012	10	5	22	V	0.09	0.5	3.97	333
180970057	2012	10	5	23	V	0.07	0.6	3.69	308
180970057	2012	10	5	24	V	0.06	0.6	3.44	294

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	6	1	V	0.04	0.6	3.66	290
180970057	2012	10	6	2	V	0.5	0.5	4.22	278
180970057	2012	10	6	3	V	0.7	0.6	3.66	274
180970057	2012	10	6	4	V	0.5	0.6	3.63	278
180970057	2012	10	6	5	V	0.6	0.6	3.54	276
180970057	2012	10	6	6	V	0.4	0.6	4.05	279
180970057	2012	10	6	7	V	0.4	0.7	3.74	286
180970057	2012	10	6	8	V	0.3	0.7	4.37	281
180970057	2012	10	6	9	V	0.3	0.7	4.51	289
180970057	2012	10	6	10	V	0.1	0.9	5.19	297
180970057	2012	10	6	11	V	0.3	0.9	4.24	290
180970057	2012	10	6	12	V	0.3	0.8	3.97	305
180970057	2012	10	6	13	V	0.4	0.8	3.71	295
180970057	2012	10	6	14	V	0.2	0.8	4.92	287
180970057	2012	10	6	15	V	0.1	0.9	4.82	292
180970057	2012	10	6	16	V	0.1	0.8	5.16	304
180970057	2012	10	6	17	V	0.08	0.8	4.63	290
180970057	2012	10	6	18	V	0.09	0.8	3.76	293
180970057	2012	10	6	19	V	0.08	0.8	3.83	305
180970057	2012	10	6	20	V	0.07	0.7	4.65	327
180970057	2012	10	6	21	V	0.09	0.7	4.29	328
180970057	2012	10	6	22	V	0.08	0.7	2.98	329
180970057	2012	10	6	23	V	0.1	-999	2.3	313
180970057	2012	10	6	24	V	0.1	0.7	2.16	298
180970057	2012	10	7	1	V	0.08	0.7	2.98	305
180970057	2012	10	7	2	V	0.08	0.7	2.95	317
180970057	2012	10	7	3	V	0.08	0.7	3.2	317
180970057	2012	10	7	4	V	0.1	0.8	2.37	310
180970057	2012	10	7	5	V	0.1	0.8	2.1	308
180970057	2012	10	7	6	V	0.1	0.9	2.79	305
180970057	2012	10	7	7	V	0.6	0.9	2.15	294
180970057	2012	10	7	8	V	0.9	0.8	2.61	276
180970057	2012	10	7	9	V	0.8	0.8	3.03	281
180970057	2012	10	7	10	V	0.9	1	3.06	274
180970057	2012	10	7	11	V	0.2	1.2	4.15	286
180970057	2012	10	7	12	V	0.1	1.2	4.73	288
180970057	2012	10	7	13	V	0.1	1.1	4.56	294
180970057	2012	10	7	14	V	0.08	0.9	5.33	289
180970057	2012	10	7	15	V	0.2	0.8	5.26	276
180970057	2012	10	7	16	V	0.2	0.9	4.29	287
180970057	2012	10	7	17	V	0.2	0.9	4.05	284
180970057	2012	10	7	18	V	0.07	0.8	3.27	311
180970057	2012	10	7	19	V	0.1	0.8	2.5	320
180970057	2012	10	7	20	V	0.2	0.9	2.06	313
180970057	2012	10	7	21	V	3.5	1.1	0.94	317
180970057	2012	10	7	22	V	4.4	1.3	0.89	297

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	7	23	V	1.2	1.2	1.54	253
180970057	2012	10	7	24	V	2.1	1.1	1.09	224
180970057	2012	10	8	1	V	0.9	1.1	1.4	219
180970057	2012	10	8	2	V	2.5	1.2	1.04	274
180970057	2012	10	8	3	V	3.3	1.2	0.97	263
180970057	2012	10	8	4	V	1.7	1.6	1.14	304
180970057	2012	10	8	5	V	2.9	1.5	0.94	151
180970057	2012	10	8	6	C	-999	1.4	0	0
180970057	2012	10	8	7	V	24.8	1.9	0.8	157
180970057	2012	10	8	8	V	32.5	2.3	0.84	164
180970057	2012	10	8	9	V	52.9	1.7	1.76	179
180970057	2012	10	8	10	V	37.8	7.1	3.32	186
180970057	2012	10	8	11	V	9.4	3.8	3.49	211
180970057	2012	10	8	12	V	2.4	2.7	2.83	225
180970057	2012	10	8	13	V	2.4	5.4	2.2	232
180970057	2012	10	8	14	V	1.5	10.6	2.16	236
180970057	2012	10	8	15	V	27.6	18.4	3.1	195
180970057	2012	10	8	16	V	13.4	12.1	3.61	181
180970057	2012	10	8	17	V	75.2	13.3	3.34	194
180970057	2012	10	8	18	V	62.0	3.5	3.1	196
180970057	2012	10	8	19	V	8.3	1.6	3.05	184
180970057	2012	10	8	20	V	1.5	1.4	3.35	181
180970057	2012	10	8	21	V	108.7	1.3	2.73	192
180970057	2012	10	8	22	V	0.2	1.1	3.23	178
180970057	2012	10	8	23	V	4.6	1	3.13	183
180970057	2012	10	8	24	V	28.5	0.9	2.76	186
180970057	2012	10	9	1	V	0.05	1	3.1	170
180970057	2012	10	9	2	V	0.06	1	2.59	159
180970057	2012	10	9	3	V	0.2	0.9	2.62	178
180970057	2012	10	9	4	V	51.2	1	2.59	196
180970057	2012	10	9	5	V	0.08	0.9	2.42	147
180970057	2012	10	9	6	V	0.06	1	2.44	143
180970057	2012	10	9	7	V	1.7	1.1	2.67	165
180970057	2012	10	9	8	V	21.1	1.4	2.66	178
180970057	2012	10	9	9	V	47.6	6.7	2.2	187
180970057	2012	10	9	10	V	6.2	3.7	4.49	209
180970057	2012	10	9	11	V	10.9	8.7	6.19	202
180970057	2012	10	9	12	V	3.0	5.1	6.35	208
180970057	2012	10	9	13	V	3.4	8.2	6.69	207
180970057	2012	10	9	14	V	11.6	11.1	6.58	201
180970057	2012	10	9	15	V	13.6	8.4	6.43	200
180970057	2012	10	9	16	V	14.9	13.1	6.75	193
180970057	2012	10	9	17	V	0.5	7.2	6.86	207
180970057	2012	10	9	18	V	2.9	2.6	5.89	203
180970057	2012	10	9	19	V	16.4	1.9	4.14	200
180970057	2012	10	9	20	V	0.3	2.1	3.76	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	9	21	V	2.4	9.1	4.19	181
180970057	2012	10	9	22	V	27.4	3.6	4.54	195
180970057	2012	10	9	23	V	35.2	2.6	4.19	195
180970057	2012	10	9	24	V	31.8	3.3	4.2	196
180970057	2012	10	10	1	V	0.2	3.2	4.26	212
180970057	2012	10	10	2	V	0.1	3.2	6.65	237
180970057	2012	10	10	3	V	0.2	1.9	6.18	283
180970057	2012	10	10	4	V	0.02	1.1	6.65	318
180970057	2012	10	10	5	V	0.04	1	5.11	307
180970057	2012	10	10	6	V	0.05	0.9	4.97	299
180970057	2012	10	10	7	V	0.08	0.9	6.18	298
180970057	2012	10	10	8	V	0.1	0.9	5.62	289
180970057	2012	10	10	9	V	0.1	1	6.29	281
180970057	2012	10	10	10	V	0.2	1.2	5.96	270
180970057	2012	10	10	11	V	0.1	1.2	8.22	276
180970057	2012	10	10	12	V	0.08	1.1	8.32	285
180970057	2012	10	10	13	V	0.08	1.1	9.1	285
180970057	2012	10	10	14	V	0.06	1	9.51	286
180970057	2012	10	10	15	V	0.05	0.9	9.97	295
180970057	2012	10	10	16	V	0.02	1	8.56	298
180970057	2012	10	10	17	V	0.01	1	8.08	299
180970057	2012	10	10	18	V	0.02	1	6.04	293
180970057	2012	10	10	19	V	0.09	1	3.91	286
180970057	2012	10	10	20	V	0.9	1.1	2.59	272
180970057	2012	10	10	21	V	0.6	1.3	2.52	231
180970057	2012	10	10	22	V	0.2	1.3	2.06	223
180970057	2012	10	10	23	V	0.4	1.3	1.89	225
180970057	2012	10	10	24	V	0.7	1.2	2.16	232
180970057	2012	10	11	1	V	0.3	1.1	2.18	238
180970057	2012	10	11	2	V	0.3	1.2	2.11	239
180970057	2012	10	11	3	V	0.1	1.2	2.37	217
180970057	2012	10	11	4	V	0.2	1.2	2.2	228
180970057	2012	10	11	5	V	0.2	1.4	2.04	225
180970057	2012	10	11	6	V	1.8	1.7	1.37	213
180970057	2012	10	11	7	V	56.9	2	1.33	200
180970057	2012	10	11	8	V	41.8	2.1	1.5	211
180970057	2012	10	11	9	V	19.4	6.6	2.27	215
180970057	2012	10	11	10	V	0.8	12	3.58	221
180970057	2012	10	11	11	V	2.2	3.7	6.03	210
180970057	2012	10	11	12	V	34.4	6.4	6.36	196
180970057	2012	10	11	13	V	12.7	3.1	5.65	204
180970057	2012	10	11	14	V	0.2	5.1	5.39	218
180970057	2012	10	11	15	V	0.2	1.7	5.77	230
180970057	2012	10	11	16	V	0.2	1.7	5.46	223
180970057	2012	10	11	17	V	0.06	2	5.44	219
180970057	2012	10	11	18	V	0.2	4.2	4.75	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	11	19	V	5.7	7.5	3.56	203
180970057	2012	10	11	20	V	3.2	4.9	2.96	205
180970057	2012	10	11	21	V	12.0	3.8	2.86	202
180970057	2012	10	11	22	V	17.5	3.5	2.11	202
180970057	2012	10	11	23	V	0.5	2.9	2.4	230
180970057	2012	10	11	24	V	0.1	3.6	2.59	220
180970057	2012	10	12	1	V	0.2	4	2.67	230
180970057	2012	10	12	2	V	0.9	2.6	2.57	258
180970057	2012	10	12	3	V	0.09	2.3	2.3	305
180970057	2012	10	12	4	V	0.4	2.1	1.45	330
180970057	2012	10	12	5	V	0.1	1.6	2.32	304
180970057	2012	10	12	6	V	0.04	1.4	4.46	21
180970057	2012	10	12	7	V	3.3	1.3	4.68	33
180970057	2012	10	12	8	V	12.0	2.2	5.1	44
180970057	2012	10	12	9	V	12.0	3.4	5.99	49
180970057	2012	10	12	10	V	14.1	-999	6.07	50
180970057	2012	10	12	11	V	2.5	2.7	6.18	62
180970057	2012	10	12	12	V	0.3	2.3	4.92	72
180970057	2012	10	12	13	V	0.4	2.3	4.8	71
180970057	2012	10	12	14	V	0.2	1.8	4.02	80
180970057	2012	10	12	15	V	0.1	1.8	3.54	82
180970057	2012	10	12	16	V	0.05	1.7	3.39	105
180970057	2012	10	12	17	V	0.05	1.6	2.76	101
180970057	2012	10	12	18	V	0.07	1.3	2.45	86
180970057	2012	10	12	19	V	0.07	1.4	2.5	93
180970057	2012	10	12	20	V	0.06	1.4	2.56	87
180970057	2012	10	12	21	V	0.03	1.3	2.95	84
180970057	2012	10	12	22	V	0.04	1.2	3.76	83
180970057	2012	10	12	23	V	0.03	1.1	3.51	88
180970057	2012	10	12	24	V	0.03	2.1	3.17	101
180970057	2012	10	13	1	V	0.04	2.5	3.03	112
180970057	2012	10	13	2	V	0.03	1.5	3.18	113
180970057	2012	10	13	3	V	0.06	1.4	2.52	122
180970057	2012	10	13	4	V	0.05	2.5	3.52	121
180970057	2012	10	13	5	V	0.04	3.7	4.03	133
180970057	2012	10	13	6	V	0.06	3.6	3.69	132
180970057	2012	10	13	7	V	0.2	2.8	3.9	139
180970057	2012	10	13	8	V	0.2	2.6	4.2	149
180970057	2012	10	13	9	V	0.3	2.6	4.15	144
180970057	2012	10	13	10	V	0.5	3	3.69	163
180970057	2012	10	13	11	V	2.5	3	2.96	166
180970057	2012	10	13	12	V	34.4	30.8	5.68	190
180970057	2012	10	13	13	V	17.3	37	6.01	184
180970057	2012	10	13	14	V	9.5	8.7	4.97	180
180970057	2012	10	13	15	V	10.2	5.6	4.32	179
180970057	2012	10	13	16	V	6.6	27.8	5.51	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	13	17	V	0.2	6.3	4.75	173
180970057	2012	10	13	18	V	0.2	4.2	4.25	172
180970057	2012	10	13	19	V	0.06	3.4	4.94	166
180970057	2012	10	13	20	V	0.04	2.8	7.62	168
180970057	2012	10	13	21	V	4.0	4.7	6.26	182
180970057	2012	10	13	22	V	26.3	27	5.56	195
180970057	2012	10	13	23	V	20.4	-999	5.44	188
180970057	2012	10	13	24	V	2.4	34.5	5.8	181
180970057	2012	10	14	1	V	0.4	9.9	6.06	176
180970057	2012	10	14	2	V	1.3	3.7	6.4	179
180970057	2012	10	14	3	V	1.4	2.7	6.58	179
180970057	2012	10	14	4	V	0.5	2.2	6.43	177
180970057	2012	10	14	5	V	0.5	2	6.96	177
180970057	2012	10	14	6	V	0.3	1.8	7.62	175
180970057	2012	10	14	7	V	1.5	1.8	8.37	177
180970057	2012	10	14	8	V	21.5	3.9	9.24	188
180970057	2012	10	14	9	V	26.3	19.3	9.56	190
180970057	2012	10	14	10	V	2.3	6	10.94	178
180970057	2012	10	14	11	V	15.1	43.4	10.94	185
180970057	2012	10	14	12	V	30.1	100.3	11.33	192
180970057	2012	10	14	13	V	5.3	43.1	11.91	204
180970057	2012	10	14	14	V	0.08	10.8	11.84	213
180970057	2012	10	14	15	V	0.09	6	13.38	212
180970057	2012	10	14	16	V	0.1	3.6	12.62	217
180970057	2012	10	14	17	V	0.1	2.5	11.65	215
180970057	2012	10	14	18	V	2.3	1.9	11.5	209
180970057	2012	10	14	19	V	0.1	1.7	11.11	226
180970057	2012	10	14	20	V	0.5	1.1	8.64	264
180970057	2012	10	14	21	V	0.2	1	10.61	282
180970057	2012	10	14	22	V	0.2	0.8	8.83	280
180970057	2012	10	14	23	V	0.4	0.9	8.37	274
180970057	2012	10	14	24	V	0.4	0.8	5.68	277
180970057	2012	10	15	1	V	0.6	0.8	5.09	268
180970057	2012	10	15	2	V	0.7	0.9	5.39	260
180970057	2012	10	15	3	V	0.6	0.9	6.52	267
180970057	2012	10	15	4	V	0.3	0.9	5.44	279
180970057	2012	10	15	5	V	0.6	0.9	5.63	269
180970057	2012	10	15	6	V	0.6	0.8	5.63	273
180970057	2012	10	15	7	V	0.2	0.8	5.94	270
180970057	2012	10	15	8	V	0.2	0.9	5.75	271
180970057	2012	10	15	9	V	0.3	0.9	5.53	277
180970057	2012	10	15	10	V	0.2	0.9	5.94	275
180970057	2012	10	15	11	V	0.2	1	5.75	282
180970057	2012	10	15	12	V	0.2	1.1	6.28	285
180970057	2012	10	15	13	V	0.1	1.1	7.13	291
180970057	2012	10	15	14	V	0.1	1	7.45	291

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	15	15	V	0.08	1.1	7.25	297
180970057	2012	10	15	16	V	0.03	1.1	7.89	295
180970057	2012	10	15	17	V	0.02	1.1	6.7	302
180970057	2012	10	15	18	V	0.03	1	5.33	302
180970057	2012	10	15	19	V	0.05	1.1	3.13	305
180970057	2012	10	15	20	V	0.2	1.1	2.1	290
180970057	2012	10	15	21	V	0.4	1.2	1.6	297
180970057	2012	10	15	22	V	0.6	1.3	1.45	306
180970057	2012	10	15	23	V	1.1	1.2	1.65	264
180970057	2012	10	15	24	V	0.6	1.2	1.99	266
180970057	2012	10	16	1	V	0.6	1.3	1.47	239
180970057	2012	10	16	2	V	1.5	1.5	1.18	278
180970057	2012	10	16	3	V	3.3	1.4	0.87	246
180970057	2012	10	16	4	V	7.6	1.5	0.6	295
180970057	2012	10	16	5	V	3.6	1.3	1.23	173
180970057	2012	10	16	6	V	0.4	1.1	1.5	106
180970057	2012	10	16	7	V	1.3	2	1.77	122
180970057	2012	10	16	8	V	1.9	2	1.89	124
180970057	2012	10	16	9	V	0.5	1.5	3.42	133
180970057	2012	10	16	10	V	0.3	1.6	4.15	148
180970057	2012	10	16	11	V	0.2	1.4	4.85	165
180970057	2012	10	16	12	V	0.1	1.4	5.87	166
180970057	2012	10	16	13	V	0.3	1.5	5.99	172
180970057	2012	10	16	14	V	0.08	1.4	5.46	164
180970057	2012	10	16	15	V	0.06	1.5	6.26	162
180970057	2012	10	16	16	V	0.03	1.7	6.02	159
180970057	2012	10	16	17	V	0.03	2.1	5.92	157
180970057	2012	10	16	18	V	0.04	1.9	5.33	157
180970057	2012	10	16	19	V	0.05	2	4.48	159
180970057	2012	10	16	20	V	0.04	2	5.09	151
180970057	2012	10	16	21	V	0.03	1.9	5.02	154
180970057	2012	10	16	22	V	0.07	1.7	4.05	159
180970057	2012	10	16	23	V	0.03	1.5	5.22	165
180970057	2012	10	16	24	V	0.03	1.6	5.26	168
180970057	2012	10	17	1	V	6.0	1.9	5.19	184
180970057	2012	10	17	2	V	1.6	6.2	6.14	205
180970057	2012	10	17	3	V	10.3	3.5	5	200
180970057	2012	10	17	4	V	27.4	3.8	4.68	194
180970057	2012	10	17	5	V	2.3	7.7	4.24	181
180970057	2012	10	17	6	V	0.06	3.6	3.46	161
180970057	2012	10	17	7	V	0.3	2.2	4.19	168
180970057	2012	10	17	8	V	4.5	2.4	3.9	174
180970057	2012	10	17	9	V	0.3	2.7	4.66	165
180970057	2012	10	17	10	V	5.0	10.3	6.7	180
180970057	2012	10	17	11	V	10.7	54.7	8.47	183
180970057	2012	10	17	12	V	16.3	73.1	9.54	185

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	17	13	V	21.9	31.2	9.88	199
180970057	2012	10	17	14	V	28.3	68.6	9.1	188
180970057	2012	10	17	15	V	9.3	49.8	6.87	202
180970057	2012	10	17	16	V	0.07	8.2	4.51	152
180970057	2012	10	17	17	V	0.04	2.3	5.62	162
180970057	2012	10	17	18	V	0.03	1.6	6.33	150
180970057	2012	10	17	19	V	0.06	1.4	4.29	139
180970057	2012	10	17	20	V	0.06	2.3	4.54	120
180970057	2012	10	17	21	V	0.05	2.5	4.87	134
180970057	2012	10	17	22	V	0.03	2.4	6.82	161
180970057	2012	10	17	23	V	0.9	4.8	7.16	207
180970057	2012	10	17	24	V	10.4	2.3	8.18	196
180970057	2012	10	18	1	V	5.5	10.3	8.25	186
180970057	2012	10	18	2	V	0.5	8.2	7.04	178
180970057	2012	10	18	3	V	7.6	13.4	6.28	187
180970057	2012	10	18	4	V	0.6	7.6	6.99	267
180970057	2012	10	18	5	V	0.2	1.7	6.02	246
180970057	2012	10	18	6	V	0.1	1.4	6.24	240
180970057	2012	10	18	7	V	0.1	1.4	6.4	235
180970057	2012	10	18	8	V	0.2	1.3	5.33	225
180970057	2012	10	18	9	V	0.6	1.8	5.6	216
180970057	2012	10	18	10	V	21.2	3.8	6.38	200
180970057	2012	10	18	11	V	31.8	91.5	8.06	191
180970057	2012	10	18	12	V	2.8	18.6	9.03	208
180970057	2012	10	18	13	V	0.07	4.4	11.4	219
180970057	2012	10	18	14	V	0.06	2.1	10.92	218
180970057	2012	10	18	15	V	0.06	1.8	10.24	218
180970057	2012	10	18	16	V	0.1	1.5	11.17	216
180970057	2012	10	18	17	V	0.07	1.1	10.43	221
180970057	2012	10	18	18	V	0.05	1.1	8.59	221
180970057	2012	10	18	19	V	0.2	1.5	4.02	212
180970057	2012	10	18	20	V	0.2	2.6	3.03	213
180970057	2012	10	18	21	V	25.6	17	3.25	185
180970057	2012	10	18	22	V	0.4	22.5	2.91	210
180970057	2012	10	18	23	V	0.08	3.7	2.54	314
180970057	2012	10	18	24	V	1.7	2.4	1.53	31
180970057	2012	10	19	1	V	0.06	2.7	3.07	120
180970057	2012	10	19	2	V	0.04	14.1	5.55	171
180970057	2012	10	19	3	V	6.1	6.9	7.16	186
180970057	2012	10	19	4	V	0.4	7.5	6.91	209
180970057	2012	10	19	5	V	0.06	5.2	5.84	225
180970057	2012	10	19	6	V	0.07	1.6	4.75	222
180970057	2012	10	19	7	V	22.1	3.3	4.53	187
180970057	2012	10	19	8	V	12.2	7.9	4.12	181
180970057	2012	10	19	9	V	16.1	14	4.03	182
180970057	2012	10	19	10	V	34.4	12	6.38	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	19	11	V	8.0	4.5	6.8	203
180970057	2012	10	19	12	V	1.9	2.5	6.63	207
180970057	2012	10	19	13	V	0.08	1.9	6.55	216
180970057	2012	10	19	14	V	0.06	1.4	6.99	217
180970057	2012	10	19	15	V	0.07	1.3	6.28	212
180970057	2012	10	19	16	V	0.5	1.3	6.6	234
180970057	2012	10	19	17	V	0.4	1.5	6.74	245
180970057	2012	10	19	18	V	0.4	1.5	5.94	238
180970057	2012	10	19	19	V	0.3	1.4	5.73	235
180970057	2012	10	19	20	V	0.5	1.3	5.46	242
180970057	2012	10	19	21	V	0.3	1.3	5.56	234
180970057	2012	10	19	22	V	0.2	1.2	5.67	229
180970057	2012	10	19	23	V	0.4	1.2	5.04	238
180970057	2012	10	19	24	V	0.4	1.2	4.65	236
180970057	2012	10	20	1	V	0.2	1.2	4.88	243
180970057	2012	10	20	2	V	0.5	1.1	4.05	278
180970057	2012	10	20	3	V	0.2	0.9	2.72	242
180970057	2012	10	20	4	V	0.2	0.9	3.15	235
180970057	2012	10	20	5	V	0.7	1	3.73	258
180970057	2012	10	20	6	V	0.7	1	4.31	267
180970057	2012	10	20	7	V	0.4	1	3.15	263
180970057	2012	10	20	8	V	0.3	1	2.91	293
180970057	2012	10	20	9	V	0.3	1	4.44	278
180970057	2012	10	20	10	V	0.2	1.1	5.56	278
180970057	2012	10	20	11	V	0.2	1.2	5.46	271
180970057	2012	10	20	12	V	0.2	1.3	5.67	267
180970057	2012	10	20	13	V	0.2	1.4	6.07	275
180970057	2012	10	20	14	V	0.2	1.3	5.56	274
180970057	2012	10	20	15	V	0.2	1.3	5.5	275
180970057	2012	10	20	16	V	0.7	1.3	4.6	257
180970057	2012	10	20	17	V	0.6	1.2	4.42	238
180970057	2012	10	20	18	V	0.7	1.3	4.41	242
180970057	2012	10	20	19	V	0.09	1.1	3.15	219
180970057	2012	10	20	20	V	0.2	0.9	3.27	212
180970057	2012	10	20	21	V	31.3	1.6	3.12	198
180970057	2012	10	20	22	V	0.4	1.7	2.52	208
180970057	2012	10	20	23	V	1.4	-999	1.99	208
180970057	2012	10	20	24	V	1.2	1.2	1.89	209
180970057	2012	10	21	1	V	1.0	1.2	1.38	215
180970057	2012	10	21	2	V	1.8	1.1	1.03	102
180970057	2012	10	21	3	V	0.7	1.2	1.33	119
180970057	2012	10	21	4	V	0.2	1.1	1.93	131
180970057	2012	10	21	5	V	0.1	1.1	2.13	112
180970057	2012	10	21	6	V	0.2	0.9	1.76	115
180970057	2012	10	21	7	V	0.6	1	2.33	120
180970057	2012	10	21	8	V	0.6	1	3.18	115

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	21	9	V	0.5	1.2	3.68	129
180970057	2012	10	21	10	V	0.5	1.9	3.85	138
180970057	2012	10	21	11	V	0.7	2.4	3.51	155
180970057	2012	10	21	12	V	0.7	3.2	3.54	146
180970057	2012	10	21	13	V	0.2	3.2	4.48	136
180970057	2012	10	21	14	V	0.2	3.1	4.61	139
180970057	2012	10	21	15	V	0.1	2.9	4.65	145
180970057	2012	10	21	16	V	0.05	3.6	4.59	149
180970057	2012	10	21	17	V	0.04	3.1	4.48	141
180970057	2012	10	21	18	V	0.05	2.3	4.03	148
180970057	2012	10	21	19	V	0.04	2	4.56	155
180970057	2012	10	21	20	V	0.03	1.8	5.26	163
180970057	2012	10	21	21	V	0.05	1.6	3.45	145
180970057	2012	10	21	22	V	0.07	1.4	2.69	122
180970057	2012	10	21	23	V	0.1	1.2	2.27	116
180970057	2012	10	21	24	V	0.05	1.2	3.15	145
180970057	2012	10	22	1	V	0.06	1.2	2.49	121
180970057	2012	10	22	2	V	0.05	1.2	2.69	128
180970057	2012	10	22	3	V	0.06	1.1	2.64	147
180970057	2012	10	22	4	V	0.09	1.1	2.15	151
180970057	2012	10	22	5	V	0.1	1.2	2.16	131
180970057	2012	10	22	6	V	0.09	1.2	2.27	124
180970057	2012	10	22	7	V	0.5	1.6	2.44	134
180970057	2012	10	22	8	V	0.5	1.4	3.12	138
180970057	2012	10	22	9	V	0.3	1.7	4.02	137
180970057	2012	10	22	10	V	0.6	2	3.57	153
180970057	2012	10	22	11	V	1.0	5.1	4.39	173
180970057	2012	10	22	12	V	41.8	38.1	6.24	190
180970057	2012	10	22	13	V	15.7	12.3	5.38	201
180970057	2012	10	22	14	V	0.1	4.7	4.32	226
180970057	2012	10	22	15	V	0.2	3.4	4.44	278
180970057	2012	10	22	16	V	0.05	2.6	5.22	141
180970057	2012	10	22	17	V	0.06	2.5	5.05	169
180970057	2012	10	22	18	V	0.04	2.1	5.48	166
180970057	2012	10	22	19	V	0.06	1.8	4.36	152
180970057	2012	10	22	20	V	0.1	1.9	1.94	158
180970057	2012	10	22	21	V	0.07	1.6	2.37	156
180970057	2012	10	22	22	V	33.4	1.6	3.18	188
180970057	2012	10	22	23	V	0.06	1.5	3.34	175
180970057	2012	10	22	24	V	1.1	1.7	3.59	178
180970057	2012	10	23	1	V	33.9	1.7	3.88	189
180970057	2012	10	23	2	V	9.8	3.2	4.37	202
180970057	2012	10	23	3	V	12.0	2	3.76	202
180970057	2012	10	23	4	V	0.1	2.3	4.51	216
180970057	2012	10	23	5	V	0.06	5.6	5.77	217
180970057	2012	10	23	6	V	0.2	12.4	5.92	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	23	7	V	0.2	6.7	7.89	212
180970057	2012	10	23	8	V	0.1	1.7	6.04	241
180970057	2012	10	23	9	V	42.6	4.4	2.9	194
180970057	2012	10	23	10	V	51.9	3	2.4	192
180970057	2012	10	23	11	V	32.3	1.9	2.35	204
180970057	2012	10	23	12	V	49.0	2.6	1.6	202
180970057	2012	10	23	13	V	29.1	6	1.23	171
180970057	2012	10	23	14	V	10.6	6.5	1.23	158
180970057	2012	10	23	15	V	22.9	7	1.45	210
180970057	2012	10	23	16	V	0.2	4.4	1.93	216
180970057	2012	10	23	17	V	0.2	3.5	3.17	223
180970057	2012	10	23	18	V	0.1	2.5	3.29	218
180970057	2012	10	23	19	V	107.3	1.7	2.22	194
180970057	2012	10	23	20	V	0.09	2.1	2.86	167
180970057	2012	10	23	21	V	0.06	2.7	3.52	161
180970057	2012	10	23	22	V	0.05	2.5	3.97	170
180970057	2012	10	23	23	V	0.04	2.1	3.88	167
180970057	2012	10	23	24	V	0.05	1.9	2.66	160
180970057	2012	10	24	1	V	0.07	1.7	2.54	154
180970057	2012	10	24	2	V	0.06	1.6	2.49	147
180970057	2012	10	24	3	V	0.1	1.8	2.16	136
180970057	2012	10	24	4	V	0.06	1.8	2.55	154
180970057	2012	10	24	5	V	0.07	2	2.98	155
180970057	2012	10	24	6	V	0.07	1.8	4	161
180970057	2012	10	24	7	V	0.5	2	3.9	168
180970057	2012	10	24	8	V	7.4	2	2.95	172
180970057	2012	10	24	9	V	47.6	6.5	3.56	186
180970057	2012	10	24	10	V	27.0	67	5.65	198
180970057	2012	10	24	11	V	49.7	54	4.65	193
180970057	2012	10	24	12	V	20.2	11.8	4.25	204
180970057	2012	10	24	13	V	10.0	49.1	4.66	179
180970057	2012	10	24	14	V	16.5	71.6	5.75	183
180970057	2012	10	24	15	V	38.3	13.6	5.72	189
180970057	2012	10	24	16	V	12.3	17.2	6.11	187
180970057	2012	10	24	17	V	6.0	9.7	6.21	185
180970057	2012	10	24	18	V	2.7	4	4.7	182
180970057	2012	10	24	19	V	2.5	5.3	3.95	181
180970057	2012	10	24	20	V	0.1	3.1	3.76	176
180970057	2012	10	24	21	V	0.04	2.4	4.24	157
180970057	2012	10	24	22	V	0.03	2	4.46	166
180970057	2012	10	24	23	V	0.02	1.7	4.7	158
180970057	2012	10	24	24	V	0.02	1.4	4.82	166
180970057	2012	10	25	1	V	0.03	1.3	4.22	160
180970057	2012	10	25	2	V	0.04	1.3	4.1	149
180970057	2012	10	25	3	V	0.04	1.2	4.22	146
180970057	2012	10	25	4	V	0.02	1.2	5.31	163

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	25	5	V	0.03	1.3	3.86	149
180970057	2012	10	25	6	V	0.04	1.3	2.84	134
180970057	2012	10	25	7	V	0.4	1.5	2.81	157
180970057	2012	10	25	8	V	0.4	1.9	3.54	160
180970057	2012	10	25	9	V	0.2	2.3	3.75	153
180970057	2012	10	25	10	V	0.2	3	4.71	164
180970057	2012	10	25	11	V	23.2	15	6.77	192
180970057	2012	10	25	12	V	21.2	24.5	8.37	195
180970057	2012	10	25	13	V	22.3	6.1	7.57	191
180970057	2012	10	25	14	V	20.5	35.7	8.44	197
180970057	2012	10	25	15	V	15.4	33.8	8.78	187
180970057	2012	10	25	16	V	2.5	30.8	9.13	181
180970057	2012	10	25	17	V	5.9	44.6	7.26	187
180970057	2012	10	25	18	V	2.7	33.6	7.37	184
180970057	2012	10	25	19	V	0.5	16	6.07	180
180970057	2012	10	25	20	V	0.08	4.8	6.31	174
180970057	2012	10	25	21	V	0.04	3.4	6.3	174
180970057	2012	10	25	22	V	0.2	2.7	4.92	176
180970057	2012	10	25	23	V	13.6	2.5	6.38	191
180970057	2012	10	25	24	V	0.01	1.4	8.62	304
180970057	2012	10	26	1	V	0.01	1.1	7.84	307
180970057	2012	10	26	2	V	0.01	1	7.99	315
180970057	2012	10	26	3	V	0.01	1	7.71	314
180970057	2012	10	26	4	V	0.02	0.9	6.7	323
180970057	2012	10	26	5	V	0.02	0.9	6.48	315
180970057	2012	10	26	6	V	0.02	0.9	6.65	343
180970057	2012	10	26	7	V	0.05	1	5.94	335
180970057	2012	10	26	8	V	0.08	0.9	5.92	345
180970057	2012	10	26	9	V	0.05	0.9	7.01	360
180970057	2012	10	26	10	V	0.06	0.9	7.09	2
180970057	2012	10	26	11	V	0.07	0.9	6.62	354
180970057	2012	10	26	12	V	0.09	0.9	5.85	360
180970057	2012	10	26	13	V	0.09	0.9	5.89	357
180970057	2012	10	26	14	V	0.07	0.9	6.36	359
180970057	2012	10	26	15	V	0.07	1	5.85	354
180970057	2012	10	26	16	V	0.03	0.9	5.5	359
180970057	2012	10	26	17	V	0.04	1	5.36	2
180970057	2012	10	26	18	V	0.03	1	5.92	350
180970057	2012	10	26	19	V	0.02	1	6.65	353
180970057	2012	10	26	20	V	0.03	1	6.12	355
180970057	2012	10	26	21	V	0.04	1	5.9	360
180970057	2012	10	26	22	V	0.02	1	5.75	356
180970057	2012	10	26	23	V	0.02	0.9	6.7	352
180970057	2012	10	26	24	V	0.02	1	6.45	354
180970057	2012	10	27	1	V	0.02	1	5.6	356
180970057	2012	10	27	2	V	0.02	1	5.73	357

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	27	3	V	0.02	1.1	5.94	2
180970057	2012	10	27	4	V	0.02	1	5.62	5
180970057	2012	10	27	5	V	0.02	1.1	4.88	358
180970057	2012	10	27	6	V	0.02	1.1	4.9	1
180970057	2012	10	27	7	V	0.1	1.1	4.92	358
180970057	2012	10	27	8	V	0.2	1	5	8
180970057	2012	10	27	9	V	0.2	1.1	5.6	11
180970057	2012	10	27	10	V	0.1	1.1	6.52	21
180970057	2012	10	27	11	V	0.1	1.2	7.03	20
180970057	2012	10	27	12	V	0.1	1.3	7.08	22
180970057	2012	10	27	13	V	0.1	1.2	6.29	3
180970057	2012	10	27	14	V	0.08	1.2	7.28	5
180970057	2012	10	27	15	V	0.06	1.2	6.53	4
180970057	2012	10	27	16	V	0.02	1.2	6.23	6
180970057	2012	10	27	17	V	0.02	1.1	5.97	1
180970057	2012	10	27	18	V	0.03	1.1	4.99	360
180970057	2012	10	27	19	V	0.05	1.1	4.39	357
180970057	2012	10	27	20	V	0.05	1.1	4.53	360
180970057	2012	10	27	21	V	0.03	1.1	5.24	351
180970057	2012	10	27	22	V	0.02	1	5.96	359
180970057	2012	10	27	23	V	0.02	-999	5.99	9
180970057	2012	10	27	24	V	0.04	1.1	4.61	3
180970057	2012	10	28	1	V	0.02	1.1	5.34	6
180970057	2012	10	28	2	V	0.03	1.1	4.88	7
180970057	2012	10	28	3	V	0.04	1.1	4.05	4
180970057	2012	10	28	4	V	0.04	1.1	3.66	358
180970057	2012	10	28	5	V	0.05	1.1	4	353
180970057	2012	10	28	6	V	0.04	1	4.39	4
180970057	2012	10	28	7	V	0.1	1.1	4.73	360
180970057	2012	10	28	8	V	0.1	1.1	5.72	12
180970057	2012	10	28	9	V	0.1	1.1	5.55	14
180970057	2012	10	28	10	V	0.1	1.2	6.41	18
180970057	2012	10	28	11	V	0.1	1.2	6.58	20
180970057	2012	10	28	12	V	0.1	1.2	6.36	16
180970057	2012	10	28	13	V	0.1	1.1	6.55	5
180970057	2012	10	28	14	V	0.08	1.1	6.45	357
180970057	2012	10	28	15	V	0.06	1.2	7.03	352
180970057	2012	10	28	16	V	0.03	1.1	6.92	346
180970057	2012	10	28	17	V	0.03	1.1	6.87	353
180970057	2012	10	28	18	V	0.03	1.2	6.53	355
180970057	2012	10	28	19	V	0.03	1.1	6.07	356
180970057	2012	10	28	20	V	0.03	1.1	6.21	351
180970057	2012	10	28	21	V	0.03	1.3	6.01	353
180970057	2012	10	28	22	V	0.03	1.4	6.7	355
180970057	2012	10	28	23	V	0.03	1.4	5.46	355
180970057	2012	10	28	24	V	0.03	1.3	4.44	339

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	29	1	V	0.03	1.2	4.31	332
180970057	2012	10	29	2	V	0.04	1.1	4.17	340
180970057	2012	10	29	3	V	0.02	1.1	5.26	347
180970057	2012	10	29	4	V	0.01	1.1	6.67	348
180970057	2012	10	29	5	V	0.01	1.1	6.67	339
180970057	2012	10	29	6	V	0.01	1	6.82	341
180970057	2012	10	29	7	V	0.09	1.1	5.82	343
180970057	2012	10	29	8	V	0.08	1.1	6.89	350
180970057	2012	10	29	9	V	0.08	1.1	7.54	353
180970057	2012	10	29	10	V	0.08	1.1	8.37	351
180970057	2012	10	29	11	V	0.08	1.2	9.59	352
180970057	2012	10	29	12	V	0.07	-999	10.15	352
180970057	2012	10	29	13	V	0.06	1.1	10.75	349
180970057	2012	10	29	14	V	0.04	1.3	12.06	345
180970057	2012	10	29	15	V	0.04	1.4	11.82	344
180970057	2012	10	29	16	V	0.07	1.2	11.4	340
180970057	2012	10	29	17	V	0.06	1.1	10.58	336
180970057	2012	10	29	18	V	0.06	1.2	10.38	331
180970057	2012	10	29	19	V	0.02	1.1	10.27	329
180970057	2012	10	29	20	V	0.06	1.3	10.73	332
180970057	2012	10	29	21	V	0.03	1.2	11.06	319
180970057	2012	10	29	22	V	0.01	1.2	8.46	320
180970057	2012	10	29	23	V	0.01	1.1	7.96	319
180970057	2012	10	29	24	V	0.02	1.4	9.56	307
180970057	2012	10	30	1	V	0.02	1.2	9.56	320
180970057	2012	10	30	2	V	0.01	1.2	8.46	310
180970057	2012	10	30	3	V	0.03	1.1	11.06	306
180970057	2012	10	30	4	V	0.01	1.2	8.96	307
180970057	2012	10	30	5	V	0.02	1.3	10.56	310
180970057	2012	10	30	6	V	0.02	1.3	10.56	307
180970057	2012	10	30	7	V	0.04	1.3	10.56	315
180970057	2012	10	30	8	V	0.05	1.4	11.06	321
180970057	2012	10	30	9	V	0.06	1.4	10.56	296
180970057	2012	10	30	10	V	0.06	1.4	9.56	314
180970057	2012	10	30	11	V	0.07	1.4	8.46	309
180970057	2012	10	30	12	V	0.06	1.2	9.06	311
180970057	2012	10	30	13	V	0.06	1.2	9.56	305
180970057	2012	10	30	14	V	0.06	1.1	9.06	314
180970057	2012	10	30	15	V	0.04	1.1	10.06	310
180970057	2012	10	30	16	V	0.05	1.1	11.56	311
180970057	2012	10	30	17	V	0.03	1.1	10.56	309
180970057	2012	10	30	18	V	0.02	1	9.06	313
180970057	2012	10	30	19	V	0.02	1	8.96	309
180970057	2012	10	30	20	V	0.02	1	9.06	314
180970057	2012	10	30	21	V	0.02	1.1	7.96	296
180970057	2012	10	30	22	V	0.03	1	6.46	298

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	10	30	23	V	0.02	1	6.46	304
180970057	2012	10	30	24	V	0.02	1.2	6.96	307
180970057	2012	10	31	1	V	0.02	1.1	7.4	308
180970057	2012	10	31	2	V	0.02	1.2	7.23	307
180970057	2012	10	31	3	V	0.02	1.1	6.57	294
180970057	2012	10	31	4	V	0.1	1.1	6.87	285
180970057	2012	10	31	5	V	0.05	1.1	6.89	289
180970057	2012	10	31	6	V	0.03	1.1	7.11	292
180970057	2012	10	31	7	V	0.09	1.2	6.35	295
180970057	2012	10	31	8	V	0.1	1.2	6.21	292
180970057	2012	10	31	9	V	0.1	1.2	6.87	296
180970057	2012	10	31	10	V	0.1	1.3	7.18	298
180970057	2012	10	31	11	V	0.08	1.4	7.18	294
180970057	2012	10	31	12	V	0.1	1.3	6.7	281
180970057	2012	10	31	13	V	0.09	1.3	6.91	284
180970057	2012	10	31	14	V	0.06	1.3	7.89	285
180970057	2012	10	31	15	V	0.04	1.3	7.62	294
180970057	2012	10	31	16	V	0.03	1.2	7.28	299
180970057	2012	10	31	17	V	0.02	1.2	7.45	303
180970057	2012	10	31	18	V	0.03	1.2	5.89	310
180970057	2012	10	31	19	V	0.05	1.3	5.26	316
180970057	2012	10	31	20	V	0.08	1.3	3.2	298
180970057	2012	10	31	21	V	0.7	1.2	3.15	275
180970057	2012	10	31	22	V	0.7	1.1	3.17	270
180970057	2012	10	31	23	V	0.7	1.1	4.24	270
180970057	2012	10	31	24	V	0.2	1.2	4.56	284
180970057	2012	11	1	1	V	0.2	1.1	4.75	282
180970057	2012	11	1	2	V	0.4	1.1	3.97	280
180970057	2012	11	1	3	V	0.4	1.2	3.88	279
180970057	2012	11	1	4	V	0.05	1.2	4.39	293
180970057	2012	11	1	5	V	0.05	1.3	4.26	290
180970057	2012	11	1	6	V	0.4	1.3	3.9	279
180970057	2012	11	1	7	V	0.4	1.4	4.19	268
180970057	2012	11	1	8	V	0.7	1.5	3.78	259
180970057	2012	11	1	9	V	0.4	1.4	4.46	276
180970057	2012	11	1	10	V	0.2	1.6	5.38	290
180970057	2012	11	1	11	V	0.3	1.7	5.05	288
180970057	2012	11	1	12	V	0.2	1.5	5.8	286
180970057	2012	11	1	13	V	0.2	1.5	6.65	286
180970057	2012	11	1	14	V	0.1	1.6	7.35	287
180970057	2012	11	1	15	V	0.1	1.7	7.09	280
180970057	2012	11	1	16	V	0.6	1.5	7.25	262
180970057	2012	11	1	17	V	0.7	1.4	6.55	259
180970057	2012	11	1	18	V	0.6	1.4	4.66	248
180970057	2012	11	1	19	V	0.8	2.4	3.46	244
180970057	2012	11	1	20	V	0.8	2.7	2.81	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	1	21	V	0.7	2.7	2.5	251
180970057	2012	11	1	22	V	1.1	2.9	1.99	242
180970057	2012	11	1	23	V	8.2	2.6	0.7	297
180970057	2012	11	1	24	V	1.8	2	1.09	104
180970057	2012	11	2	1	V	10.5	1.7	0.55	243
180970057	2012	11	2	2	V	0.1	2	2.08	291
180970057	2012	11	2	3	V	0.04	1.6	4.22	359
180970057	2012	11	2	4	V	0.04	1.4	4.15	4
180970057	2012	11	2	5	V	0.05	1.5	3.22	357
180970057	2012	11	2	6	V	0.1	1.7	2.66	324
180970057	2012	11	2	7	V	0.4	2.1	3.35	333
180970057	2012	11	2	8	V	0.4	2.2	3.91	338
180970057	2012	11	2	9	V	0.5	1.7	3.83	356
180970057	2012	11	2	10	V	0.3	1.6	5.05	13
180970057	2012	11	2	11	V	0.2	1.4	5.43	13
180970057	2012	11	2	12	V	0.5	1.3	3.56	348
180970057	2012	11	2	13	V	0.3	1.3	4.43	324
180970057	2012	11	2	14	V	0.2	1.3	4.34	322
180970057	2012	11	2	15	V	0.07	1.3	4.41	322
180970057	2012	11	2	16	V	0.07	1.4	4.07	327
180970057	2012	11	2	17	V	0.08	1.5	4.15	315
180970057	2012	11	2	18	V	0.07	1.4	3.66	318
180970057	2012	11	2	19	V	0.08	1.3	3.63	354
180970057	2012	11	2	20	V	0.06	1.2	2.84	359
180970057	2012	11	2	21	V	0.06	1.2	3.91	8
180970057	2012	11	2	22	V	0.05	1.2	3.15	5
180970057	2012	11	2	23	V	0.05	1.2	3.54	14
180970057	2012	11	2	24	V	0.04	1.1	3.37	15
180970057	2012	11	3	1	V	0.04	1.1	3.27	26
180970057	2012	11	3	2	V	0.05	1	3.37	25
180970057	2012	11	3	3	V	0.06	1	3.61	30
180970057	2012	11	3	4	V	2.9	1	2.5	40
180970057	2012	11	3	5	V	7.6	1.1	2.67	45
180970057	2012	11	3	6	V	2.2	1.1	3.1	55
180970057	2012	11	3	7	V	0.3	1.1	2.01	71
180970057	2012	11	3	8	V	0.3	1.2	3.69	86
180970057	2012	11	3	9	V	0.2	1.1	3.49	89
180970057	2012	11	3	10	V	0.4	1.2	2.93	80
180970057	2012	11	3	11	V	2.6	1.3	2.32	68
180970057	2012	11	3	12	V	0.2	1.1	3.61	101
180970057	2012	11	3	13	V	0.2	1.1	3.39	76
180970057	2012	11	3	14	V	0.1	1.1	3.81	72
180970057	2012	11	3	15	V	8.9	1.2	3.88	43
180970057	2012	11	3	16	V	1.2	1.3	4.41	38
180970057	2012	11	3	17	V	6.3	1.2	3.85	44
180970057	2012	11	3	18	V	0.4	1.3	4.37	34

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	3	19	V	0.6	1.2	3.32	35
180970057	2012	11	3	20	V	0.1	1.2	3.59	29
180970057	2012	11	3	21	V	0.09	1.6	3.03	27
180970057	2012	11	3	22	V	0.1	1.3	2.28	8
180970057	2012	11	3	23	V	0.08	-999	2.71	353
180970057	2012	11	3	24	V	0.2	1.1	1.93	338
180970057	2012	11	4	1	V	0.05	1.1	3.03	332
180970057	2012	11	4	2	V	0.08	1.2	2.64	342
180970057	2012	11	4	3	V	0.08	1.1	2.71	355
180970057	2012	11	4	4	V	0.04	1.1	3.34	3
180970057	2012	11	4	5	V	0.04	1.1	3	16
180970057	2012	11	4	6	V	0.1	1.1	2.45	16
180970057	2012	11	4	7	V	1.1	1.2	1.82	2
180970057	2012	11	4	8	V	1.1	1.2	2.38	357
180970057	2012	11	4	9	V	6.4	1.2	1.91	22
180970057	2012	11	4	10	V	5.3	1.2	3.42	31
180970057	2012	11	4	11	V	0.9	1.3	4.51	21
180970057	2012	11	4	12	V	0.2	2	4.99	4
180970057	2012	11	4	13	V	0.2	1.5	5.26	2
180970057	2012	11	4	14	V	0.2	1.4	4.25	357
180970057	2012	11	4	15	V	0.1	1.3	4.63	329
180970057	2012	11	4	16	V	0.07	1.2	4.24	339
180970057	2012	11	4	17	V	0.09	1.2	3.69	339
180970057	2012	11	4	18	V	0.08	1.3	2.67	348
180970057	2012	11	4	19	V	0.1	2.8	2.18	28
180970057	2012	11	4	20	V	16.2	1.4	2.11	48
180970057	2012	11	4	21	V	12.5	1.6	1.6	55
180970057	2012	11	4	22	C	-999	1.4	0	0
180970057	2012	11	4	23	V	4.6	1.6	0.86	292
180970057	2012	11	4	24	V	0.8	2	1.43	284
180970057	2012	11	5	1	V	0.5	1.9	1.54	296
180970057	2012	11	5	2	V	0.6	1.8	1.53	312
180970057	2012	11	5	3	V	0.4	1.5	1.65	348
180970057	2012	11	5	4	V	0.7	1.6	1.48	320
180970057	2012	11	5	5	V	1.1	1.8	1.25	330
180970057	2012	11	5	6	V	24.6	1.8	0.6	29
180970057	2012	11	5	7	V	6.9	2.2	0.87	354
180970057	2012	11	5	8	V	5.8	2.6	1.54	2
180970057	2012	11	5	9	V	17.6	1.9	1.72	43
180970057	2012	11	5	10	V	3.5	1.6	1.89	84
180970057	2012	11	5	11	V	0.8	1.5	2.59	86
180970057	2012	11	5	12	V	0.7	1.4	2.57	94
180970057	2012	11	5	13	V	4.7	1.5	2.23	66
180970057	2012	11	5	14	V	1.1	1.5	2.57	74
180970057	2012	11	5	15	V	0.05	1.4	2.71	88
180970057	2012	11	5	16	V	0.07	1.4	2.78	97

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	5	17	V	0.08	1.6	3.12	103
180970057	2012	11	5	18	V	0.1	1.4	2.38	110
180970057	2012	11	5	19	V	0.4	1.2	2.1	62
180970057	2012	11	5	20	V	0.7	1.4	1.42	101
180970057	2012	11	5	21	V	23.9	1.6	1.67	48
180970057	2012	11	5	22	V	0.06	1.4	2.93	32
180970057	2012	11	5	23	V	6.8	1.4	2.83	46
180970057	2012	11	5	24	V	0.4	1.5	3.08	39
180970057	2012	11	6	1	V	0.1	1.5	2.52	31
180970057	2012	11	6	2	V	2.2	1.4	3.12	43
180970057	2012	11	6	3	V	0.8	1.3	2.45	36
180970057	2012	11	6	4	V	2.9	1.2	2.03	36
180970057	2012	11	6	5	V	0.2	1.2	1.99	67
180970057	2012	11	6	6	V	0.3	1.3	1.96	66
180970057	2012	11	6	7	V	6.3	1.3	2.01	58
180970057	2012	11	6	8	V	7.3	1.3	2.16	68
180970057	2012	11	6	9	V	13.7	1.7	1.43	64
180970057	2012	11	6	10	V	0.8	2.6	2.95	127
180970057	2012	11	6	11	V	0.9	3.7	2.78	134
180970057	2012	11	6	12	V	0.9	4.9	2.66	144
180970057	2012	11	6	13	V	12.9	22.4	2.98	177
180970057	2012	11	6	14	V	7.6	34.6	2.52	179
180970057	2012	11	6	15	V	0.4	41.2	1.98	215
180970057	2012	11	6	16	V	0.4	23.8	1.53	144
180970057	2012	11	6	17	V	0.1	10.2	2.18	121
180970057	2012	11	6	18	V	0.4	7.7	1.57	121
180970057	2012	11	6	19	V	2.1	6.2	1.04	288
180970057	2012	11	6	20	V	0.1	5.5	2.33	285
180970057	2012	11	6	21	V	0.5	3.3	3.69	279
180970057	2012	11	6	22	V	0.8	2.3	2.36	277
180970057	2012	11	6	23	C	-999	1.8	0	0
180970057	2012	11	6	24	C	-999	1.7	0	0
180970057	2012	11	7	1	C	-999	2.9	0	0
180970057	2012	11	7	2	C	-999	2	0	0
180970057	2012	11	7	3	C	-999	1.8	0	0
180970057	2012	11	7	4	C	-999	1.8	0	0
180970057	2012	11	7	5	V	21.0	1.7	1.76	49
180970057	2012	11	7	6	V	0.08	1.8	2.36	22
180970057	2012	11	7	7	V	7.1	1.9	2.49	40
180970057	2012	11	7	8	V	14.1	2.1	3.08	46
180970057	2012	11	7	9	V	16.0	2.1	2.98	47
180970057	2012	11	7	10	V	7.1	2.3	2.62	58
180970057	2012	11	7	11	V	11.8	3.8	2.1	44
180970057	2012	11	7	12	V	6.4	4.1	2.1	34
180970057	2012	11	7	13	V	1.0	3.4	2.25	22
180970057	2012	11	7	14	V	0.5	3.7	2.33	357

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	7	15	V	0.03	3.1	2.74	354
180970057	2012	11	7	16	V	0.07	2.8	3.01	330
180970057	2012	11	7	17	V	0.09	2.8	3.61	330
180970057	2012	11	7	18	V	0.05	2.3	3.37	325
180970057	2012	11	7	19	V	0.05	2.2	3.34	327
180970057	2012	11	7	20	V	0.05	2	3.03	331
180970057	2012	11	7	21	V	0.09	1.9	2.74	318
180970057	2012	11	7	22	V	0.05	1.6	3.15	317
180970057	2012	11	7	23	V	0.04	1.7	3.64	315
180970057	2012	11	7	24	V	0.04	1.4	3.57	321
180970057	2012	11	8	1	V	0.04	1.4	3.78	326
180970057	2012	11	8	2	V	0.04	1.4	3.03	334
180970057	2012	11	8	3	V	0.3	1.3	1.72	307
180970057	2012	11	8	4	V	0.6	1.5	1.45	316
180970057	2012	11	8	5	V	0.1	1.6	2.38	312
180970057	2012	11	8	6	V	2.4	1.8	1.01	315
180970057	2012	11	8	7	V	1.1	2.4	1.65	261
180970057	2012	11	8	8	V	14.3	3.1	0.87	252
180970057	2012	11	8	9	V	3.3	3.1	1.59	259
180970057	2012	11	8	10	V	11.2	2.7	0.8	249
180970057	2012	11	8	11	V	12.0	3.1	0.7	191
180970057	2012	11	8	12	V	9.3	3.8	0.84	90
180970057	2012	11	8	13	V	1.0	4.2	1.55	268
180970057	2012	11	8	14	V	0.3	3.1	3.4	254
180970057	2012	11	8	15	V	1.4	2.5	2.86	246
180970057	2012	11	8	16	V	1.1	2.7	2.61	245
180970057	2012	11	8	17	V	0.8	4.7	3.05	247
180970057	2012	11	8	18	V	0.9	2.3	2.93	262
180970057	2012	11	8	19	V	2.5	1.7	1.08	275
180970057	2012	11	8	20	V	0.8	1.7	1.98	232
180970057	2012	11	8	21	V	0.5	1.9	2.18	210
180970057	2012	11	8	22	V	42.1	2	1.31	181
180970057	2012	11	8	23	V	0.3	1.8	1.86	136
180970057	2012	11	8	24	V	0.2	2.1	1.93	149
180970057	2012	11	9	1	V	0.2	1.9	1.94	143
180970057	2012	11	9	2	V	0.3	1.7	1.72	158
180970057	2012	11	9	3	V	0.2	1.6	2.13	139
180970057	2012	11	9	4	V	0.2	1.2	2.03	128
180970057	2012	11	9	5	V	0.2	1.4	2.08	132
180970057	2012	11	9	6	V	0.07	1.3	2.86	125
180970057	2012	11	9	7	V	0.1	1.3	2.93	134
180970057	2012	11	9	8	V	0.5	1.4	3.73	133
180970057	2012	11	9	9	V	0.4	1.7	4.27	146
180970057	2012	11	9	10	V	1.2	2.5	3.93	164
180970057	2012	11	9	11	V	2.4	5.6	4.94	173
180970057	2012	11	9	12	V	0.3	4.7	5.68	167

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	9	13	V	0.2	4.8	5.68	165
180970057	2012	11	9	14	V	0.1	3.7	6.16	166
180970057	2012	11	9	15	V	0.6	3	5.77	176
180970057	2012	11	9	16	V	8.2	2.9	5.82	185
180970057	2012	11	9	17	V	0.04	3.2	5.04	160
180970057	2012	11	9	18	V	0.05	3.1	4.85	155
180970057	2012	11	9	19	V	0.03	3.3	4.88	150
180970057	2012	11	9	20	V	0.05	4.3	4.48	147
180970057	2012	11	9	21	V	0.04	3.3	4.66	145
180970057	2012	11	9	22	V	0.03	2.9	4.78	146
180970057	2012	11	9	23	V	0.06	2.6	3.97	154
180970057	2012	11	9	24	V	0.05	2.1	3.32	168
180970057	2012	11	10	1	V	0.09	1.9	2.39	136
180970057	2012	11	10	2	V	0.08	1.7	2.25	150
180970057	2012	11	10	3	V	0.08	1.7	2.28	153
180970057	2012	11	10	4	V	0.4	1.7	4.02	177
180970057	2012	11	10	5	V	0.06	1.7	4.02	168
180970057	2012	11	10	6	V	0.06	1.9	3.86	164
180970057	2012	11	10	7	V	0.9	2.1	4.03	173
180970057	2012	11	10	8	V	8.9	2	4.34	179
180970057	2012	11	10	9	V	13.4	2.3	4.97	182
180970057	2012	11	10	10	V	20.9	18.9	6.09	187
180970057	2012	11	10	11	V	32.6	95.7	6.84	192
180970057	2012	11	10	12	V	24.1	140.2	7.18	187
180970057	2012	11	10	13	V	17.6	63.4	7.88	185
180970057	2012	11	10	14	V	6.6	22.6	7.69	181
180970057	2012	11	10	15	V	36.6	79.8	7.26	191
180970057	2012	11	10	16	V	9.7	82.4	7.08	188
180970057	2012	11	10	17	V	2.4	34.5	6.86	183
180970057	2012	11	10	18	V	3.4	5.5	5	183
180970057	2012	11	10	19	V	0.04	4.5	5.5	173
180970057	2012	11	10	20	V	0.03	3.8	5.21	169
180970057	2012	11	10	21	V	0.03	3	4.76	163
180970057	2012	11	10	22	V	0.05	2.5	4.15	160
180970057	2012	11	10	23	V	0.02	-999	5.55	171
180970057	2012	11	10	24	V	1.1	2.2	6.89	181
180970057	2012	11	11	1	V	1.6	2.7	8.13	182
180970057	2012	11	11	2	V	2.2	3.3	7.5	183
180970057	2012	11	11	3	V	5.8	25.9	5.85	186
180970057	2012	11	11	4	V	0.3	38.4	5.7	178
180970057	2012	11	11	5	V	0.3	6.9	6.36	178
180970057	2012	11	11	6	V	0.2	4.3	6.36	177
180970057	2012	11	11	7	V	0.2	3.4	5.97	171
180970057	2012	11	11	8	V	0.1	2.6	4.99	158
180970057	2012	11	11	9	V	0.1	2.7	6.09	163
180970057	2012	11	11	10	V	0.3	4	7.13	171

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	11	11	V	7.1	8.6	9.05	182
180970057	2012	11	11	12	V	4.9	27.3	10.41	181
180970057	2012	11	11	13	V	11.0	13.2	11.26	184
180970057	2012	11	11	14	V	10.3	54.5	10.17	184
180970057	2012	11	11	15	V	1.3	14.5	10.24	179
180970057	2012	11	11	16	V	0.1	4.8	8.2	174
180970057	2012	11	11	17	V	0.04	3.4	7.77	170
180970057	2012	11	11	18	V	0.03	2.6	7.26	164
180970057	2012	11	11	19	V	0.04	2.4	7.76	150
180970057	2012	11	11	20	V	0.06	2.4	8.93	167
180970057	2012	11	11	21	V	0.03	2.5	7.52	164
180970057	2012	11	11	22	V	2.1	2.1	9.35	177
180970057	2012	11	11	23	V	29.7	41.4	10.43	188
180970057	2012	11	11	24	V	9.2	33.9	8.57	186
180970057	2012	11	12	1	V	1.4	13	7.3	180
180970057	2012	11	12	2	V	10.4	5	8	191
180970057	2012	11	12	3	V	4.5	2.5	5.26	202
180970057	2012	11	12	4	V	0.2	2.6	3.95	285
180970057	2012	11	12	5	V	0.4	1.4	3.37	280
180970057	2012	11	12	6	V	0.02	1.1	8.03	293
180970057	2012	11	12	7	V	0.04	1.1	5.44	303
180970057	2012	11	12	8	V	0.08	1	7.32	298
180970057	2012	11	12	9	V	0.08	1	7.52	283
180970057	2012	11	12	10	V	0.2	1	6.58	271
180970057	2012	11	12	11	V	0.2	1	6.5	270
180970057	2012	11	12	12	V	0.2	1	7.71	272
180970057	2012	11	12	13	V	0.2	1.1	7.96	268
180970057	2012	11	12	14	V	0.1	1.1	8.51	269
180970057	2012	11	12	15	V	0.5	1.1	8.47	269
180970057	2012	11	12	16	V	0.5	1.2	8.15	267
180970057	2012	11	12	17	V	0.6	1.5	7.35	262
180970057	2012	11	12	18	V	0.7	-999	6.58	260
180970057	2012	11	12	19	V	0.7	-999	6.33	263
180970057	2012	11	12	20	V	0.6	-999	4.65	253
180970057	2012	11	12	21	V	0.6	-999	3.88	238
180970057	2012	11	12	22	V	0.08	-999	3.32	220
180970057	2012	11	12	23	V	0.3	-999	3.35	226
180970057	2012	11	12	24	V	0.6	-999	4.02	238
180970057	2012	11	13	1	V	0.2	-999	3.64	246
180970057	2012	11	13	2	V	0.2	-999	3.51	243
180970057	2012	11	13	3	V	0.2	-999	3.32	240
180970057	2012	11	13	4	V	0.4	-999	3.46	253
180970057	2012	11	13	5	V	0.8	-999	3.29	261
180970057	2012	11	13	6	V	0.2	-999	3.25	246
180970057	2012	11	13	7	V	0.2	-999	2.93	237
180970057	2012	11	13	8	V	1.6	-999	2.64	264

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	13	9	V	0.7	-999	2.93	297
180970057	2012	11	13	10	V	0.7	-999	3.17	319
180970057	2012	11	13	11	V	0.4	-999	3.9	323
180970057	2012	11	13	12	V	0.7	-999	3.07	310
180970057	2012	11	13	13	V	0.7	-999	2.96	314
180970057	2012	11	13	14	V	0.5	-999	2.84	315
180970057	2012	11	13	15	V	0.1	-999	2.57	327
180970057	2012	11	13	16	V	0.2	-999	2.1	323
180970057	2012	11	13	17	V	0.1	-999	2.3	301
180970057	2012	11	13	18	V	0.1	-999	2.32	311
180970057	2012	11	13	19	V	0.2	-999	2.15	324
180970057	2012	11	13	20	V	0.2	-999	2.06	338
180970057	2012	11	13	21	V	0.1	-999	2.61	30
180970057	2012	11	13	22	V	9.3	-999	2.01	54
180970057	2012	11	13	23	V	0.2	-999	2.1	73
180970057	2012	11	13	24	V	0.09	-999	2.61	81
180970057	2012	11	14	1	V	1.0	-999	1.33	74
180970057	2012	11	14	2	V	2.1	-999	1.28	68
180970057	2012	11	14	3	V	0.3	-999	1.91	23
180970057	2012	11	14	4	V	10.1	-999	2.56	47
180970057	2012	11	14	5	V	10.3	-999	2.47	45
180970057	2012	11	14	6	V	0.2	-999	2.5	61
180970057	2012	11	14	7	V	1.0	-999	2.61	65
180970057	2012	11	14	8	V	8.9	-999	2.59	58
180970057	2012	11	14	9	V	1.0	-999	2.88	85
180970057	2012	11	14	10	V	0.6	1.7	3.4	91
180970057	2012	11	14	11	V	0.4	1.8	3.95	112
180970057	2012	11	14	12	V	0.3	2.1	4.02	114
180970057	2012	11	14	13	V	0.3	1.9	3.85	117
180970057	2012	11	14	14	V	0.4	1.9	2.72	105
180970057	2012	11	14	15	V	0.2	1.8	2.76	83
180970057	2012	11	14	16	V	0.09	1.9	2.44	84
180970057	2012	11	14	17	V	0.09	1.7	2.95	78
180970057	2012	11	14	18	V	0.09	1.5	3.39	67
180970057	2012	11	14	19	V	0.07	1.5	3.22	96
180970057	2012	11	14	20	V	0.09	1.3	2.45	80
180970057	2012	11	14	21	V	0.09	1.2	2.61	64
180970057	2012	11	14	22	V	2.9	1.3	2.18	57
180970057	2012	11	14	23	V	0.2	1.3	2.25	66
180970057	2012	11	14	24	V	0.08	1.5	2.71	74
180970057	2012	11	15	1	V	0.1	1.4	2.45	74
180970057	2012	11	15	2	V	12.8	1.5	2.05	52
180970057	2012	11	15	3	V	0.2	1.6	2.23	28
180970057	2012	11	15	4	V	0.2	1.4	2.16	18
180970057	2012	11	15	5	V	0.2	1.4	2.04	20
180970057	2012	11	15	6	V	0.2	1.4	2.28	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	15	7	V	19.0	2	1.79	48
180970057	2012	11	15	8	V	12.7	3	1.77	42
180970057	2012	11	15	9	V	14.1	2.3	1.82	34
180970057	2012	11	15	10	V	23.7	2.2	1.18	41
180970057	2012	11	15	11	V	19.3	3.9	0.84	107
180970057	2012	11	15	12	V	18.6	3.3	1.37	57
180970057	2012	11	15	13	V	17.8	10.1	1.37	40
180970057	2012	11	15	14	V	11.3	17.9	1.06	27
180970057	2012	11	15	15	V	10.9	13.3	0.79	28
180970057	2012	11	15	16	V	10.0	10.4	0.65	137
180970057	2012	11	15	17	V	3.8	6.1	0.91	284
180970057	2012	11	15	18	V	1.8	3.2	1.3	275
180970057	2012	11	15	19	V	0.1	2.4	2.38	354
180970057	2012	11	15	20	V	2.4	2.1	1.96	35
180970057	2012	11	15	21	V	0.2	2.2	2.03	8
180970057	2012	11	15	22	V	0.4	2.3	1.79	26
180970057	2012	11	15	23	V	0.4	2.4	1.72	20
180970057	2012	11	15	24	V	0.3	2.3	1.77	10
180970057	2012	11	16	1	V	8.8	2.2	1.06	30
180970057	2012	11	16	2	V	12.2	2.2	1.59	39
180970057	2012	11	16	3	V	0.9	2.3	1.28	2
180970057	2012	11	16	4	V	0.3	2.1	1.77	7
180970057	2012	11	16	5	V	0.1	2	2.33	29
180970057	2012	11	16	6	V	0.9	2.1	2.45	36
180970057	2012	11	16	7	V	0.3	2.3	1.67	5
180970057	2012	11	16	8	V	6.6	2.7	1.45	20
180970057	2012	11	16	9	V	20.2	2.9	1.74	46
180970057	2012	11	16	10	V	20.8	2.8	1.11	46
180970057	2012	11	16	11	V	6.7	2.3	1.91	70
180970057	2012	11	16	12	V	3.5	2.3	2.15	76
180970057	2012	11	16	13	V	2.3	4.6	1.96	84
180970057	2012	11	16	14	V	2.8	5.7	1.82	75
180970057	2012	11	16	15	V	6.8	7.9	1.7	56
180970057	2012	11	16	16	V	7.3	11.2	1.45	35
180970057	2012	11	16	17	V	2.8	6.9	1.79	34
180970057	2012	11	16	18	V	1.4	4.9	2.28	36
180970057	2012	11	16	19	V	0.08	2.3	2.72	22
180970057	2012	11	16	20	V	0.05	2	3.1	33
180970057	2012	11	16	21	V	3.5	2.7	3.15	46
180970057	2012	11	16	22	V	3.0	2.1	3.03	44
180970057	2012	11	16	23	V	8.4	1.9	2.56	50
180970057	2012	11	16	24	V	0.1	1.8	2.3	68
180970057	2012	11	17	1	V	0.05	1.7	2.95	83
180970057	2012	11	17	2	V	0.1	1.7	2.4	71
180970057	2012	11	17	3	V	0.09	1.8	2.59	72
180970057	2012	11	17	4	V	0.2	2	1.99	74

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	17	5	V	0.2	2.2	1.94	78
180970057	2012	11	17	6	V	14.9	1.9	1.64	54
180970057	2012	11	17	7	V	0.2	2.2	1.93	14
180970057	2012	11	17	8	V	2.0	1.8	2.89	24
180970057	2012	11	17	9	V	13.4	1.9	3.37	40
180970057	2012	11	17	10	V	14.4	3.1	2.67	49
180970057	2012	11	17	11	V	1.3	6.1	2.57	89
180970057	2012	11	17	12	V	1.1	7.8	2.61	113
180970057	2012	11	17	13	V	0.8	7.2	2.62	103
180970057	2012	11	17	14	V	0.8	8.2	2.18	90
180970057	2012	11	17	15	V	0.2	9.2	3.05	88
180970057	2012	11	17	16	V	0.06	4.7	3.95	88
180970057	2012	11	17	17	V	0.05	3.9	3.52	83
180970057	2012	11	17	18	V	0.08	3.6	2.62	77
180970057	2012	11	17	19	V	0.7	2.9	2.37	59
180970057	2012	11	17	20	V	0.05	2.4	3.52	72
180970057	2012	11	17	21	V	0.05	2.2	3.47	72
180970057	2012	11	17	22	V	0.05	2.1	3.35	67
180970057	2012	11	17	23	V	0.08	-999	3.37	86
180970057	2012	11	17	24	V	0.05	2	3.05	91
180970057	2012	11	18	1	V	0.1	1.9	2.39	88
180970057	2012	11	18	2	V	0.06	2.2	2.93	91
180970057	2012	11	18	3	V	0.2	1.9	1.81	89
180970057	2012	11	18	4	V	0.1	1.8	2.11	83
180970057	2012	11	18	5	V	0.1	1.7	2.11	79
180970057	2012	11	18	6	V	0.06	1.8	2.79	72
180970057	2012	11	18	7	V	0.1	1.9	2.81	72
180970057	2012	11	18	8	V	8.5	2	1.91	60
180970057	2012	11	18	9	V	16.1	2	1.82	57
180970057	2012	11	18	10	V	3.7	3.6	2.01	84
180970057	2012	11	18	11	V	1.9	6.6	1.93	127
180970057	2012	11	18	12	V	8.8	15.6	1.42	68
180970057	2012	11	18	13	V	7.8	25.9	1.3	76
180970057	2012	11	18	14	V	0.9	7.6	1.94	99
180970057	2012	11	18	15	V	0.2	5.7	2.32	109
180970057	2012	11	18	16	V	0.05	8.8	3.13	111
180970057	2012	11	18	17	V	0.05	5.1	2.88	125
180970057	2012	11	18	18	V	0.1	5.1	1.84	137
180970057	2012	11	18	19	V	0.8	4.3	1.31	104
180970057	2012	11	18	20	V	0.2	3.1	2.05	97
180970057	2012	11	18	21	V	0.05	3.2	3.12	85
180970057	2012	11	18	22	V	0.05	3.6	3.17	101
180970057	2012	11	18	23	V	0.1	4.5	2.47	108
180970057	2012	11	18	24	V	0.5	2.2	1.54	132
180970057	2012	11	19	1	V	0.1	2	2.32	128
180970057	2012	11	19	2	V	0.1	2	2.13	110

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	19	3	V	14.2	2	0.91	63
180970057	2012	11	19	4	V	1.3	2.5	1.13	81
180970057	2012	11	19	5	V	0.2	2.4	1.81	102
180970057	2012	11	19	6	V	1.1	2.4	1.2	101
180970057	2012	11	19	7	V	1.0	3.2	1.25	90
180970057	2012	11	19	8	V	2.1	4	1.59	107
180970057	2012	11	19	9	V	13.7	4.3	1.54	62
180970057	2012	11	19	10	V	3.1	4.3	1.98	118
180970057	2012	11	19	11	V	7.2	13.7	1.4	132
180970057	2012	11	19	12	V	2.4	35.7	1.7	136
180970057	2012	11	19	13	V	23.6	28.4	1.93	176
180970057	2012	11	19	14	V	21.9	20.6	1.64	178
180970057	2012	11	19	15	V	2.5	22.8	1.93	211
180970057	2012	11	19	16	V	2.0	10.6	1.25	250
180970057	2012	11	19	17	V	3.9	6.9	0.91	281
180970057	2012	11	19	18	V	1.0	5.1	1.28	128
180970057	2012	11	19	19	V	0.1	4.4	2.42	146
180970057	2012	11	19	20	V	0.1	3.9	2.57	151
180970057	2012	11	19	21	V	0.1	3.6	2.33	150
180970057	2012	11	19	22	V	0.3	3.1	1.77	149
180970057	2012	11	19	23	V	0.1	2.6	2.06	152
180970057	2012	11	19	24	V	27.8	2.7	1.2	206
180970057	2012	11	20	1	V	0.3	2.6	1.65	217
180970057	2012	11	20	2	V	5.5	2.3	0.74	149
180970057	2012	11	20	3	V	14.2	2.1	1.25	57
180970057	2012	11	20	4	V	0.06	1.9	2.5	138
180970057	2012	11	20	5	V	49.9	2.4	1.99	189
180970057	2012	11	20	6	V	0.6	2.3	1.26	153
180970057	2012	11	20	7	V	0.2	2.4	1.82	125
180970057	2012	11	20	8	V	1.2	2.2	2.06	133
180970057	2012	11	20	9	V	1.0	2.4	2.93	137
180970057	2012	11	20	10	V	2.3	3	2.37	130
180970057	2012	11	20	11	V	85.9	6.9	2.27	194
180970057	2012	11	20	12	V	0.9	8.6	2.28	256
180970057	2012	11	20	13	V	21.3	7.1	1.03	219
180970057	2012	11	20	14	V	42.3	8.5	1.16	204
180970057	2012	11	20	15	V	0.8	8.5	2.23	232
180970057	2012	11	20	16	V	0.9	6.4	2.54	273
180970057	2012	11	20	17	V	0.2	4.3	1.87	299
180970057	2012	11	20	18	V	0.2	3.6	2.03	316
180970057	2012	11	20	19	V	0.1	3.3	2.27	323
180970057	2012	11	20	20	V	0.08	3	2.89	324
180970057	2012	11	20	21	V	0.09	2.8	2.55	323
180970057	2012	11	20	22	V	0.1	2.5	2.35	324
180970057	2012	11	20	23	V	0.1	2.2	2.4	338
180970057	2012	11	20	24	V	0.1	2.2	2.33	326

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	21	1	V	0.07	2	2.91	323
180970057	2012	11	21	2	V	0.07	1.9	2.95	317
180970057	2012	11	21	3	V	0.07	1.9	2.84	324
180970057	2012	11	21	4	V	0.05	1.6	2.86	355
180970057	2012	11	21	5	V	0.1	1.4	2.27	341
180970057	2012	11	21	6	V	0.1	1.4	2.16	332
180970057	2012	11	21	7	V	0.1	1.6	2.16	333
180970057	2012	11	21	8	V	2.2	1.7	1.81	335
180970057	2012	11	21	9	V	22.6	2	0.87	300
180970057	2012	11	21	10	V	29.6	2.4	0.8	313
180970057	2012	11	21	11	V	2.9	2.8	1.93	323
180970057	2012	11	21	12	V	2.9	3.1	1.82	323
180970057	2012	11	21	13	V	2.3	3.8	1.79	304
180970057	2012	11	21	14	V	3.3	3.5	1.25	271
180970057	2012	11	21	15	V	0.5	3.1	1.55	282
180970057	2012	11	21	16	V	8.3	2.6	0.7	233
180970057	2012	11	21	17	V	3.4	2.2	1.01	245
180970057	2012	11	21	18	V	11.2	1.9	1.03	174
180970057	2012	11	21	19	V	2.4	1.9	1.7	176
180970057	2012	11	21	20	V	66.3	2	1.67	186
180970057	2012	11	21	21	V	30.7	1.9	1.45	181
180970057	2012	11	21	22	V	1.0	1.9	1.98	248
180970057	2012	11	21	23	V	4.3	2.1	0.84	227
180970057	2012	11	21	24	V	7.2	2.1	1.54	207
180970057	2012	11	22	1	V	1.5	2.1	1.09	233
180970057	2012	11	22	2	V	3.0	2.2	0.94	166
180970057	2012	11	22	3	V	18.9	2.2	1.59	182
180970057	2012	11	22	4	V	0.6	2	1.42	169
180970057	2012	11	22	5	V	5.4	1.9	1.45	209
180970057	2012	11	22	6	V	0.3	1.9	1.69	165
180970057	2012	11	22	7	V	0.1	1.8	2.21	170
180970057	2012	11	22	8	V	1.4	1.5	2.41	156
180970057	2012	11	22	9	V	1.1	1.1	3.36	161
180970057	2012	11	22	10	V	14.8	1.2	3.36	174
180970057	2012	11	22	11	V	19.8	30.6	6.96	186
180970057	2012	11	22	12	V	38.5	28.4	8.46	193
180970057	2012	11	22	13	V	38.7	15.5	6.46	194
180970057	2012	11	22	14	V	11.6	22.5	6.46	202
180970057	2012	11	22	15	V	11.9	38.1	5.36	202
180970057	2012	11	22	16	V	14.5	33.1	7.46	193
180970057	2012	11	22	17	V	19.1	13.5	4.36	188
180970057	2012	11	22	18	V	15.0	15.8	5.36	189
180970057	2012	11	22	19	V	49.0	20.8	3.86	195
180970057	2012	11	22	20	V	24.5	20.8	4.36	187
180970057	2012	11	22	21	V	25.9	50.2	5.36	193
180970057	2012	11	22	22	V	0.4	37.8	6.46	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	22	23	V	0.06	7.8	6.96	216
180970057	2012	11	22	24	V	0.2	3.5	11.06	232
180970057	2012	11	23	1	V	0.07	1.5	7.46	229
180970057	2012	11	23	2	V	0.09	1.2	7.69	232
180970057	2012	11	23	3	V	0.3	1.2	6.8	247
180970057	2012	11	23	4	V	0.09	1.1	8.64	285
180970057	2012	11	23	5	V	0.03	1.1	7.55	289
180970057	2012	11	23	6	V	0.02	0.9	7.32	290
180970057	2012	11	23	7	V	0.5	0.9	6.07	275
180970057	2012	11	23	8	V	0.2	0.9	5.09	248
180970057	2012	11	23	9	V	0.2	1	7.37	256
180970057	2012	11	23	10	V	0.09	1.1	10.6	276
180970057	2012	11	23	11	V	0.08	1.1	12.53	276
180970057	2012	11	23	12	V	0.07	1	10.78	279
180970057	2012	11	23	13	V	0.09	1	10.61	275
180970057	2012	11	23	14	V	0.07	1.1	10.8	279
180970057	2012	11	23	15	V	0.1	1	11.26	285
180970057	2012	11	23	16	V	0.04	1	10.02	289
180970057	2012	11	23	17	V	0.02	1	9.34	295
180970057	2012	11	23	18	V	0.02	1	8.91	298
180970057	2012	11	23	19	V	0.02	1	7.06	301
180970057	2012	11	23	20	V	0.02	1	8.06	300
180970057	2012	11	23	21	V	0.02	1	9.58	302
180970057	2012	11	23	22	V	0.02	1	8.22	309
180970057	2012	11	23	23	V	0.02	1	6.89	298
180970057	2012	11	23	24	V	0.04	1.1	5.44	303
180970057	2012	11	24	1	V	0.05	1	5.29	305
180970057	2012	11	24	2	V	0.07	1.1	4.56	294
180970057	2012	11	24	3	V	0.2	1.1	4.39	285
180970057	2012	11	24	4	V	0.6	1	4.44	274
180970057	2012	11	24	5	V	0.2	1.1	4.61	284
180970057	2012	11	24	6	V	0.06	1.1	4.7	295
180970057	2012	11	24	7	V	0.06	1.1	5	306
180970057	2012	11	24	8	V	0.1	1.1	4.49	301
180970057	2012	11	24	9	V	0.2	1.2	5.05	287
180970057	2012	11	24	10	V	0.2	1.2	4.92	283
180970057	2012	11	24	11	V	0.1	1.1	4.54	293
180970057	2012	11	24	12	V	0.3	1.1	4.68	265
180970057	2012	11	24	13	V	0.4	1.1	4.03	266
180970057	2012	11	24	14	V	0.05	1.2	2.66	289
180970057	2012	11	24	15	V	0.8	1.2	2.86	272
180970057	2012	11	24	16	V	0.6	1.1	2.78	268
180970057	2012	11	24	17	V	0.7	1.1	3.06	254
180970057	2012	11	24	18	V	0.7	1.1	2.5	238
180970057	2012	11	24	19	V	2.1	1.1	2.59	205
180970057	2012	11	24	20	V	0.1	1.1	2.61	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	24	21	V	0.7	1.1	3.05	208
180970057	2012	11	24	22	V	0.2	1.1	3.15	210
180970057	2012	11	24	23	V	1.6	-999	3.68	208
180970057	2012	11	24	24	V	62.9	2	3.74	190
180970057	2012	11	25	1	V	6.3	3.3	3.61	181
180970057	2012	11	25	2	V	67.5	3.3	3.88	192
180970057	2012	11	25	3	V	58.9	2.4	3.68	196
180970057	2012	11	25	4	V	3.3	3.7	3.91	179
180970057	2012	11	25	5	V	1.5	4	4.56	178
180970057	2012	11	25	6	V	20.8	7.9	5.87	192
180970057	2012	11	25	7	V	25.2	11.4	5.68	193
180970057	2012	11	25	8	V	11.1	9.6	4.88	203
180970057	2012	11	25	9	V	5.3	4.1	4.95	208
180970057	2012	11	25	10	V	3.0	3.7	5.16	211
180970057	2012	11	25	11	V	0.2	4	6.09	229
180970057	2012	11	25	12	V	0.4	3.8	6.99	237
180970057	2012	11	25	13	V	0.4	3.6	6.96	240
180970057	2012	11	25	14	V	0.5	3.2	6.16	241
180970057	2012	11	25	15	V	0.7	3.1	6.02	244
180970057	2012	11	25	16	V	0.7	2.8	5.63	255
180970057	2012	11	25	17	V	0.7	2.5	4.39	264
180970057	2012	11	25	18	V	0.8	2.3	2.73	256
180970057	2012	11	25	19	V	0.7	2.3	2.81	267
180970057	2012	11	25	20	V	0.7	2.6	2.18	278
180970057	2012	11	25	21	V	0.9	2.8	2.69	246
180970057	2012	11	25	22	V	0.7	2.9	2.62	251
180970057	2012	11	25	23	V	0.9	2.6	2.42	275
180970057	2012	11	25	24	V	0.9	2.2	2.03	239
180970057	2012	11	26	1	V	1.0	2	1.72	256
180970057	2012	11	26	2	V	0.07	1.8	2.69	332
180970057	2012	11	26	3	V	5.0	1.8	0.7	347
180970057	2012	11	26	4	V	1.7	1.8	1.26	269
180970057	2012	11	26	5	V	0.3	1.8	1.82	329
180970057	2012	11	26	6	V	0.7	2	1.35	355
180970057	2012	11	26	7	V	0.08	1.9	2.56	3
180970057	2012	11	26	8	V	1.5	1.8	2.35	13
180970057	2012	11	26	9	V	17.0	2.2	2.01	58
180970057	2012	11	26	10	V	13.4	2.7	2.28	36
180970057	2012	11	26	11	V	15.7	4.2	2.15	44
180970057	2012	11	26	12	V	6.5	4.5	1.53	82
180970057	2012	11	26	13	V	10.2	9.1	1.08	96
180970057	2012	11	26	14	V	0.9	5.8	2.06	4
180970057	2012	11	26	15	V	0.1	3.1	2.52	7
180970057	2012	11	26	16	V	0.1	2.6	2.16	332
180970057	2012	11	26	17	V	0.07	2.1	3.46	327
180970057	2012	11	26	18	V	0.05	2.1	4.9	341

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	26	19	V	0.04	1.8	5.31	353
180970057	2012	11	26	20	V	0.04	1.7	5.67	350
180970057	2012	11	26	21	V	0.04	1.7	5.8	350
180970057	2012	11	26	22	V	0.03	1.6	6.84	348
180970057	2012	11	26	23	V	0.03	1.3	5.96	355
180970057	2012	11	26	24	V	0.03	1.2	6.14	4
180970057	2012	11	27	1	V	0.04	1.2	5.17	10
180970057	2012	11	27	2	V	0.04	1.2	5.46	10
180970057	2012	11	27	3	V	0.09	1.1	3.9	10
180970057	2012	11	27	4	V	0.07	1.2	3.76	2
180970057	2012	11	27	5	V	0.06	1.2	2.84	2
180970057	2012	11	27	6	V	0.2	1.2	1.98	346
180970057	2012	11	27	7	V	0.2	1.3	1.84	349
180970057	2012	11	27	8	V	2.3	1.2	1.81	352
180970057	2012	11	27	9	V	5.6	1.7	1.62	305
180970057	2012	11	27	10	V	4.4	1.6	1.59	312
180970057	2012	11	27	11	V	1.2	1.4	2.45	359
180970057	2012	11	27	12	V	0.9	1.5	2.76	7
180970057	2012	11	27	13	V	1.9	2.3	1.93	4
180970057	2012	11	27	14	V	0.7	1.5	1.6	353
180970057	2012	11	27	15	V	0.2	1.4	1.74	330
180970057	2012	11	27	16	V	0.09	1.4	2.59	305
180970057	2012	11	27	17	V	0.2	1.4	2.22	309
180970057	2012	11	27	18	V	1.1	1.4	1.82	277
180970057	2012	11	27	19	V	0.9	1.4	1.35	285
180970057	2012	11	27	20	V	0.7	1.8	1.45	317
180970057	2012	11	27	21	V	5.1	1.8	0.89	243
180970057	2012	11	27	22	V	1.5	1.9	1.69	244
180970057	2012	11	27	23	V	0.9	1.9	1.76	238
180970057	2012	11	27	24	V	0.8	2.1	2.16	256
180970057	2012	11	28	1	V	0.3	1.9	2.42	242
180970057	2012	11	28	2	V	0.1	1.7	2.45	225
180970057	2012	11	28	3	V	0.09	1.4	3.03	225
180970057	2012	11	28	4	V	0.3	1.3	2.25	237
180970057	2012	11	28	5	V	0.2	1.4	2.74	239
180970057	2012	11	28	6	V	0.07	1.4	3.22	224
180970057	2012	11	28	7	V	0.2	1.6	3.25	236
180970057	2012	11	28	8	V	0.5	2	3.46	234
180970057	2012	11	28	9	V	0.9	1.9	3.73	241
180970057	2012	11	28	10	V	1.1	1.9	3.49	259
180970057	2012	11	28	11	V	1.2	2.2	2.83	271
180970057	2012	11	28	12	V	1.0	2.5	2.88	245
180970057	2012	11	28	13	V	0.7	2.3	3.05	248
180970057	2012	11	28	14	V	0.4	2.3	3.47	249
180970057	2012	11	28	15	V	0.7	2	4.39	263
180970057	2012	11	28	16	V	0.7	2	3.63	255

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	28	17	V	0.6	1.9	3.52	250
180970057	2012	11	28	18	V	0.7	1.9	2.88	240
180970057	2012	11	28	19	V	0.7	2.1	2.22	234
180970057	2012	11	28	20	V	0.5	2.3	1.99	226
180970057	2012	11	28	21	V	0.1	2.2	2.35	215
180970057	2012	11	28	22	V	56.4	2	1.98	199
180970057	2012	11	28	23	V	1.4	-999	1.42	232
180970057	2012	11	28	24	V	63.4	-999	1.77	186
180970057	2012	11	29	1	V	105.6	0.8	1.89	194
180970057	2012	11	29	2	V	94.0	0.8	2.04	192
180970057	2012	11	29	3	V	0.1	0.6	2.39	171
180970057	2012	11	29	4	V	0.05	0.3	2.95	158
180970057	2012	11	29	5	V	11.1	0.3	3.85	184
180970057	2012	11	29	6	V	38.2	0.2	2.38	186
180970057	2012	11	29	7	V	0.3	0.2	1.79	151
180970057	2012	11	29	8	V	0.5	0.6	3.27	147
180970057	2012	11	29	9	V	11.1	0.8	2.78	170
180970057	2012	11	29	10	V	64.8	2.6	3.18	188
180970057	2012	11	29	11	V	29.0	8.2	5.55	193
180970057	2012	11	29	12	V	19.4	21.1	6.43	193
180970057	2012	11	29	13	V	19.7	13.8	6.02	194
180970057	2012	11	29	14	V	20.6	15.5	4.92	195
180970057	2012	11	29	15	V	20.1	16.9	5.41	195
180970057	2012	11	29	16	V	3.2	10	5.29	182
180970057	2012	11	29	17	V	0.9	4.6	4.29	177
180970057	2012	11	29	18	V	0.08	3.4	4.03	165
180970057	2012	11	29	19	V	0.07	3.2	4.19	159
180970057	2012	11	29	20	V	0.04	3.8	5.02	157
180970057	2012	11	29	21	V	0.07	3	4.43	146
180970057	2012	11	29	22	V	0.07	1.9	3.91	144
180970057	2012	11	29	23	V	0.07	1.6	3.15	148
180970057	2012	11	29	24	V	0.08	1.2	3.39	170
180970057	2012	11	30	1	V	61.8	2.6	3.78	190
180970057	2012	11	30	2	V	62.0	4.2	3.69	190
180970057	2012	11	30	3	V	68.4	2.9	3.24	191
180970057	2012	11	30	4	V	7.3	2.2	3.27	203
180970057	2012	11	30	5	V	0.07	4.8	4.34	218
180970057	2012	11	30	6	V	0.1	5.5	4.76	228
180970057	2012	11	30	7	V	0.1	4.8	4.68	214
180970057	2012	11	30	8	V	12.0	8.5	4.12	206
180970057	2012	11	30	9	V	32.9	14.9	3.73	203
180970057	2012	11	30	10	V	18.8	22.4	5.02	203
180970057	2012	11	30	11	V	0.1	19.5	6.75	221
180970057	2012	11	30	12	V	0.2	6.5	7.64	230
180970057	2012	11	30	13	V	0.2	4.7	6.02	226
180970057	2012	11	30	14	V	0.1	4.8	5.44	225

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	11	30	15	V	0.2	10	5.36	224
180970057	2012	11	30	16	V	17.6	15	5.07	198
180970057	2012	11	30	17	V	0.08	7.7	3.85	215
180970057	2012	11	30	18	V	62.6	6	3.42	195
180970057	2012	11	30	19	V	95.9	3.9	2.91	192
180970057	2012	11	30	20	V	37.3	3	2.84	187
180970057	2012	11	30	21	V	0.1	2.2	2.45	155
180970057	2012	11	30	22	V	0.05	1.6	3	142
180970057	2012	11	30	23	V	0.05	1.5	3.71	147
180970057	2012	11	30	24	V	0.05	1.7	3.17	157
180970057	2012	12	1	1	V	0.05	1.7	3.03	142
180970057	2012	12	1	2	V	0.1	1.4	2.42	127
180970057	2012	12	1	3	V	0.09	0.9	2.67	134
180970057	2012	12	1	4	V	0.06	0.7	2.96	122
180970057	2012	12	1	5	V	0.04	0.5	3.37	122
180970057	2012	12	1	6	V	0.07	0.3	3.64	159
180970057	2012	12	1	7	V	0.2	0.4	1.88	141
180970057	2012	12	1	8	V	2.1	0.5	3.25	171
180970057	2012	12	1	9	V	0.4	0.9	3.35	163
180970057	2012	12	1	10	V	1.3	1.5	2.71	165
180970057	2012	12	1	11	V	0.7	2.5	3.35	165
180970057	2012	12	1	12	V	4.8	4.3	5.05	178
180970057	2012	12	1	13	V	16.5	13	6.09	184
180970057	2012	12	1	14	V	19.0	7.2	6.28	185
180970057	2012	12	1	15	V	23.9	13.2	6.65	193
180970057	2012	12	1	16	V	10.5	10.9	6.55	186
180970057	2012	12	1	17	V	12.7	6.5	6.02	186
180970057	2012	12	1	18	V	4.5	24.3	6.43	183
180970057	2012	12	1	19	V	0.03	4.6	6.58	170
180970057	2012	12	1	20	V	0.03	3.3	6.14	168
180970057	2012	12	1	21	V	0.03	2.1	5.94	167
180970057	2012	12	1	22	V	0.2	1.5	6.35	175
180970057	2012	12	1	23	V	2.5	-999	6.69	182
180970057	2012	12	1	24	V	13.4	26.3	7.14	189
180970057	2012	12	2	1	V	10.6	87.1	7.08	188
180970057	2012	12	2	2	V	17.8	87.6	6.52	191
180970057	2012	12	2	3	V	19.6	51.7	5.87	193
180970057	2012	12	2	4	V	16.6	47	5.53	189
180970057	2012	12	2	5	V	17.0	13	6.11	194
180970057	2012	12	2	6	V	2.4	4.2	4.94	206
180970057	2012	12	2	7	V	10.5	3	6.07	200
180970057	2012	12	2	8	V	6.7	3.2	6.18	204
180970057	2012	12	2	9	V	0.9	1.8	5.87	210
180970057	2012	12	2	10	V	0.2	1.1	5.89	214
180970057	2012	12	2	11	V	0.1	1.1	6.29	222
180970057	2012	12	2	12	V	0.1	1.4	6.84	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	2	13	V	0.1	1	6.11	223
180970057	2012	12	2	14	V	0.1	1	5.89	224
180970057	2012	12	2	15	V	0.3	0.9	4.82	227
180970057	2012	12	2	16	V	0.2	0.7	4.63	223
180970057	2012	12	2	17	V	7.4	0.6	3.56	203
180970057	2012	12	2	18	V	82.5	0.5	2.9	192
180970057	2012	12	2	19	V	8.7	0.6	3.78	182
180970057	2012	12	2	20	V	52.8	0.6	3.01	188
180970057	2012	12	2	21	V	128.6	0.5	1.35	193
180970057	2012	12	2	22	V	39.5	0.5	1.72	184
180970057	2012	12	2	23	V	19.1	0.4	1.48	180
180970057	2012	12	2	24	V	0.09	0.2	2.44	171
180970057	2012	12	3	1	V	0.07	0.1	2.81	172
180970057	2012	12	3	2	V	0.06	0	3.17	166
180970057	2012	12	3	3	V	19.9	0.5	3.56	186
180970057	2012	12	3	4	V	25.7	0.2	2.91	187
180970057	2012	12	3	5	V	26.1	0.6	3.39	187
180970057	2012	12	3	6	V	1.1	0.6	2.96	179
180970057	2012	12	3	7	V	0.3	0.7	3.51	175
180970057	2012	12	3	8	V	3.5	2.7	4.14	177
180970057	2012	12	3	9	V	0.5	2.1	4.32	170
180970057	2012	12	3	10	V	0.4	1.1	5.21	171
180970057	2012	12	3	11	V	22.2	12.1	5.95	186
180970057	2012	12	3	12	V	33.3	32.8	7.15	194
180970057	2012	12	3	13	V	27.5	30.6	7.21	197
180970057	2012	12	3	14	V	18.0	13.7	7.72	200
180970057	2012	12	3	15	V	5.8	6.4	8.37	202
180970057	2012	12	3	16	V	12.6	10.9	8.54	196
180970057	2012	12	3	17	V	11.9	17.4	8.25	197
180970057	2012	12	3	18	V	14.1	25.4	7.4	190
180970057	2012	12	3	19	V	1.9	5.7	7.37	181
180970057	2012	12	3	20	V	6.9	3.6	7.42	185
180970057	2012	12	3	21	V	26.8	30.3	6.09	192
180970057	2012	12	3	22	V	30.2	37.5	5.5	196
180970057	2012	12	3	23	V	20.8	30.1	6.04	196
180970057	2012	12	3	24	V	15.9	32.5	6.35	193
180970057	2012	12	4	1	V	5.6	30	5.05	183
180970057	2012	12	4	2	V	14.4	40.2	5.29	187
180970057	2012	12	4	3	V	1.6	13.1	7.94	204
180970057	2012	12	4	4	V	4.9	9.7	7.5	200
180970057	2012	12	4	5	V	0.8	4.5	6.97	206
180970057	2012	12	4	6	V	0.6	3.1	6.89	207
180970057	2012	12	4	7	V	0.1	2.3	6.75	212
180970057	2012	12	4	8	V	0.07	1.9	6.57	221
180970057	2012	12	4	9	V	0.3	1.5	5.39	235
180970057	2012	12	4	10	V	0.3	0.8	4.7	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	4	11	V	0.3	0.3	4.43	286
180970057	2012	12	4	12	V	0.1	0	5.62	347
180970057	2012	12	4	13	V	0.06	0	6.06	343
180970057	2012	12	4	14	V	0.05	0	5.55	359
180970057	2012	12	4	15	V	0.1	0	3.66	1
180970057	2012	12	4	16	V	0.07	0	3.95	347
180970057	2012	12	4	17	V	0.07	0	3.15	328
180970057	2012	12	4	18	V	0.07	0.2	2.44	291
180970057	2012	12	4	19	V	0.8	0.2	2.69	272
180970057	2012	12	4	20	V	0.9	0.2	2.44	259
180970057	2012	12	4	21	V	0.9	0.3	2.67	245
180970057	2012	12	4	22	V	0.6	0.1	3.29	239
180970057	2012	12	4	23	V	0.5	0.2	3.17	252
180970057	2012	12	4	24	V	0.3	0	3.03	268
180970057	2012	12	5	1	V	0.6	0	2.79	265
180970057	2012	12	5	2	V	0.03	0	3.4	296
180970057	2012	12	5	3	V	0.03	0	3.42	305
180970057	2012	12	5	4	V	1.0	0	2.36	258
180970057	2012	12	5	5	V	0.4	0	2.86	254
180970057	2012	12	5	6	V	0.05	0	2.86	288
180970057	2012	12	5	7	V	0.06	0.1	3.86	344
180970057	2012	12	5	8	V	0.5	0.3	2.36	336
180970057	2012	12	5	9	V	0.9	0.1	2.62	358
180970057	2012	12	5	10	V	5.6	0	3.98	33
180970057	2012	12	5	11	V	1.8	1.1	4.12	26
180970057	2012	12	5	12	V	10.2	4	3.25	57
180970057	2012	12	5	13	V	11.2	8.7	1.82	59
180970057	2012	12	5	14	V	12.3	10	1.91	41
180970057	2012	12	5	15	V	0.1	4.3	2.35	19
180970057	2012	12	5	16	V	12.1	2	2.37	49
180970057	2012	12	5	17	V	0.05	0.9	3.42	31
180970057	2012	12	5	18	V	0.2	0.3	3.41	57
180970057	2012	12	5	19	V	0.05	0.2	3.17	83
180970057	2012	12	5	20	V	0.05	0.1	4.29	83
180970057	2012	12	5	21	V	0.03	0	4.87	83
180970057	2012	12	5	22	V	0.03	0	5.26	81
180970057	2012	12	5	23	V	0.04	0	4.49	85
180970057	2012	12	5	24	V	0.05	0	4.08	90
180970057	2012	12	6	1	V	0.04	0	4.24	94
180970057	2012	12	6	2	V	0.04	0.1	4.46	104
180970057	2012	12	6	3	V	0.04	0	4.1	113
180970057	2012	12	6	4	V	0.05	0.3	3.39	108
180970057	2012	12	6	5	V	0.07	0.1	2.67	110
180970057	2012	12	6	6	V	0.05	0.3	2.9	97
180970057	2012	12	6	7	V	0.06	0.7	2.98	99
180970057	2012	12	6	8	V	0.3	1.5	3.12	109

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	6	9	V	0.3	2.4	3.75	114
180970057	2012	12	6	10	V	0.5	2.8	3.68	122
180970057	2012	12	6	11	V	0.4	4.3	3.95	130
180970057	2012	12	6	12	V	0.4	5.2	3.52	134
180970057	2012	12	6	13	V	0.3	4.3	3.69	128
180970057	2012	12	6	14	V	0.2	6.2	3.9	130
180970057	2012	12	6	15	V	0.09	5.8	3.66	143
180970057	2012	12	6	16	V	0.07	3.6	3.1	138
180970057	2012	12	6	17	V	0.08	3.3	2.59	131
180970057	2012	12	6	18	V	0.1	3	2.28	122
180970057	2012	12	6	19	V	0.07	2.8	3.13	126
180970057	2012	12	6	20	V	0.08	2.6	4.05	145
180970057	2012	12	6	21	V	0.08	1.6	3.35	157
180970057	2012	12	6	22	V	14.1	1.3	2.83	184
180970057	2012	12	6	23	V	1.3	1.1	2.35	179
180970057	2012	12	6	24	V	3.4	0.9	2.54	181
180970057	2012	12	7	1	V	73.7	0.8	2.79	192
180970057	2012	12	7	2	V	0.1	1.2	2.5	222
180970057	2012	12	7	3	V	0.1	1.7	2.38	216
180970057	2012	12	7	4	V	90.8	2.9	1.96	193
180970057	2012	12	7	5	V	0.3	2	1.82	226
180970057	2012	12	7	6	V	0.4	2	1.69	224
180970057	2012	12	7	7	V	97.8	2.1	1.84	194
180970057	2012	12	7	8	V	0.3	2.4	2.2	19
180970057	2012	12	7	9	V	40.7	1.8	2.89	189
180970057	2012	12	7	10	V	1.2	2	1.96	122
180970057	2012	12	7	11	V	0.6	2.4	2.71	96
180970057	2012	12	7	12	V	0.4	1.9	3.46	111
180970057	2012	12	7	13	V	0.3	1.6	3.73	105
180970057	2012	12	7	14	V	0.2	1.2	3.97	92
180970057	2012	12	7	15	V	0.09	0.9	3.42	109
180970057	2012	12	7	16	V	0.08	0.4	4.05	98
180970057	2012	12	7	17	V	0.06	0.6	4.85	107
180970057	2012	12	7	18	V	0.07	0.8	3.54	110
180970057	2012	12	7	19	V	0.2	0.2	1.76	101
180970057	2012	12	7	20	V	0.9	0.1	1.25	126
180970057	2012	12	7	21	V	0.2	0.3	2.18	223
180970057	2012	12	7	22	V	0.7	0.2	3.08	253
180970057	2012	12	7	23	V	0.8	0.1	3.47	242
180970057	2012	12	7	24	V	0.8	0.1	3	243
180970057	2012	12	8	1	V	0.2	0.1	4.49	243
180970057	2012	12	8	2	V	0.4	0	3.58	250
180970057	2012	12	8	3	V	0.6	0	1.5	251
180970057	2012	12	8	4	V	0.9	0	1.62	267
180970057	2012	12	8	5	V	1.6	0	1.4	274
180970057	2012	12	8	6	V	1.1	0	2.01	259

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	8	7	V	0.1	0	2.59	226
180970057	2012	12	8	8	V	0.8	0	2.78	256
180970057	2012	12	8	9	V	0.5	0	3.32	278
180970057	2012	12	8	10	V	0.3	0	3.76	294
180970057	2012	12	8	11	V	0.2	0	4.49	295
180970057	2012	12	8	12	V	0.1	0	5.19	307
180970057	2012	12	8	13	V	0.2	0	4.34	320
180970057	2012	12	8	14	V	0.2	0	4.29	317
180970057	2012	12	8	15	V	0.08	0.1	3.73	321
180970057	2012	12	8	16	V	0.07	0.2	3.2	318
180970057	2012	12	8	17	V	0.09	0.1	3.83	341
180970057	2012	12	8	18	V	0.09	0.1	2.55	358
180970057	2012	12	8	19	V	0.09	0.1	2.45	15
180970057	2012	12	8	20	V	8.6	0	2.08	41
180970057	2012	12	8	21	V	0.08	0	2.78	5
180970057	2012	12	8	22	V	4.2	0.1	3.41	42
180970057	2012	12	8	23	V	0.1	-999	4.97	32
180970057	2012	12	8	24	V	1.1	0.2	5.56	43
180970057	2012	12	9	1	V	0.04	0	5.16	66
180970057	2012	12	9	2	V	0.03	0	5.7	71
180970057	2012	12	9	3	V	0.09	0	4.48	64
180970057	2012	12	9	4	V	0.05	0	4.65	81
180970057	2012	12	9	5	V	0.06	0	4.48	73
180970057	2012	12	9	6	V	0.04	0	5.17	76
180970057	2012	12	9	7	V	0.03	0	6.14	80
180970057	2012	12	9	8	V	0.06	0	5.56	92
180970057	2012	12	9	9	V	0.09	0	5.68	99
180970057	2012	12	9	10	V	0.2	0	4.53	74
180970057	2012	12	9	11	V	1.1	0.1	4.1	67
180970057	2012	12	9	12	V	0.2	0.1	4.24	99
180970057	2012	12	9	13	V	0.4	0.2	3.4	120
180970057	2012	12	9	14	V	0.2	0.1	3.98	135
180970057	2012	12	9	15	V	0.09	0.1	3.37	162
180970057	2012	12	9	16	V	9.3	0.5	2.79	183
180970057	2012	12	9	17	V	62.8	0.4	2.44	189
180970057	2012	12	9	18	V	0.1	0.4	2.27	160
180970057	2012	12	9	19	V	0.09	0.3	2.44	170
180970057	2012	12	9	20	V	1.6	0.1	2.13	207
180970057	2012	12	9	21	V	0.06	0.1	4.65	293
180970057	2012	12	9	22	V	0.07	0	4.56	291
180970057	2012	12	9	23	V	0.06	0	4.88	293
180970057	2012	12	9	24	V	0.04	0	5.39	298
180970057	2012	12	10	1	V	0.02	0	6.96	301
180970057	2012	12	10	2	V	0.02	0	6.07	298
180970057	2012	12	10	3	V	0.02	0	5.62	296
180970057	2012	12	10	4	V	0.08	0	5.46	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	10	5	V	0.03	0	5.46	303
180970057	2012	12	10	6	V	0.3	0	3.78	281
180970057	2012	12	10	7	V	0.5	0	4.59	278
180970057	2012	12	10	8	V	0.05	0	6.23	291
180970057	2012	12	10	9	V	0.05	0	6.09	297
180970057	2012	12	10	10	V	0.06	0	6.65	289
180970057	2012	12	10	11	V	0.09	-999	7.37	280
180970057	2012	12	10	12	V	0.06	0	6.57	296
180970057	2012	12	10	13	V	0.06	0	6.06	298
180970057	2012	12	10	14	V	0.04	0	6.72	287
180970057	2012	12	10	15	V	0.04	0	5.72	295
180970057	2012	12	10	16	V	0.2	0	5.97	281
180970057	2012	12	10	17	V	0.02	0	6.43	297
180970057	2012	12	10	18	V	0.04	0	5.65	291
180970057	2012	12	10	19	V	0.04	0	6.31	289
180970057	2012	12	10	20	V	0.09	0	6.97	285
180970057	2012	12	10	21	V	0.04	0	5.62	291
180970057	2012	12	10	22	V	0.3	0	5.41	281
180970057	2012	12	10	23	V	0.1	0	4.56	285
180970057	2012	12	10	24	V	0.06	0	4.93	290
180970057	2012	12	11	1	V	0.6	0	5.28	272
180970057	2012	12	11	2	V	0.6	0	4.88	269
180970057	2012	12	11	3	V	0.6	0	4.95	267
180970057	2012	12	11	4	V	0.6	0	5.16	268
180970057	2012	12	11	5	V	0.7	0	4.87	262
180970057	2012	12	11	6	V	0.6	0	4.54	267
180970057	2012	12	11	7	V	0.4	0	4.97	252
180970057	2012	12	11	8	V	0.6	0	4.82	254
180970057	2012	12	11	9	V	0.3	0	4.78	264
180970057	2012	12	11	10	V	0.5	0	4.78	243
180970057	2012	12	11	11	V	0.9	0.1	3.01	249
180970057	2012	12	11	12	V	0.2	0.2	3.98	221
180970057	2012	12	11	13	V	0.4	0.3	4.99	234
180970057	2012	12	11	14	V	0.1	1.8	4.42	224
180970057	2012	12	11	15	V	0.1	3.8	4.25	221
180970057	2012	12	11	16	V	0.1	3.9	5.24	222
180970057	2012	12	11	17	V	0.2	1.5	5.04	224
180970057	2012	12	11	18	V	0.04	1.4	4.1	216
180970057	2012	12	11	19	V	0.5	0.3	3.47	230
180970057	2012	12	11	20	V	0.06	0.2	3.34	212
180970057	2012	12	11	21	V	3.3	0.2	3.61	203
180970057	2012	12	11	22	V	48.7	3	3.57	189
180970057	2012	12	11	23	V	1.1	4.3	3.66	205
180970057	2012	12	11	24	V	0.1	5.6	3.64	210
180970057	2012	12	12	1	V	0.07	7.3	2.88	217
180970057	2012	12	12	2	V	0.1	7.6	2.3	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	12	3	V	4.4	3.6	2.86	203
180970057	2012	12	12	4	V	49.2	3.1	2.2	198
180970057	2012	12	12	5	V	5.9	2.6	1.25	212
180970057	2012	12	12	6	V	0.09	1.6	2.57	160
180970057	2012	12	12	7	V	0.09	1.1	2.62	152
180970057	2012	12	12	8	V	0.5	1	2.35	147
180970057	2012	12	12	9	V	1.6	1.4	2.01	143
180970057	2012	12	12	10	V	55.7	4.8	1.91	182
180970057	2012	12	12	11	V	60.3	8.8	1.59	204
180970057	2012	12	12	12	V	16.6	30.2	2.16	172
180970057	2012	12	12	13	V	0.3	5.8	3.78	166
180970057	2012	12	12	14	V	1.2	7.7	3.08	171
180970057	2012	12	12	15	V	1.2	25.2	2.84	179
180970057	2012	12	12	16	V	0.2	16	2.44	176
180970057	2012	12	12	17	V	0.05	4.2	3.12	174
180970057	2012	12	12	18	V	0.04	2.7	3.39	149
180970057	2012	12	12	19	V	0.04	2.2	3.32	131
180970057	2012	12	12	20	V	0.04	2.3	3.66	142
180970057	2012	12	12	21	V	0.05	4.1	3.63	155
180970057	2012	12	12	22	V	0.05	3.4	3.17	156
180970057	2012	12	12	23	V	0.09	2.9	2.69	149
180970057	2012	12	12	24	V	0.05	3.3	3.17	142
180970057	2012	12	13	1	V	0.04	4.3	3.2	146
180970057	2012	12	13	2	V	0.08	2.9	2.45	147
180970057	2012	12	13	3	V	0.6	2.5	1.4	136
180970057	2012	12	13	4	V	109.9	1.7	1.62	193
180970057	2012	12	13	5	V	0.04	1.4	3.69	159
180970057	2012	12	13	6	V	0.04	1.4	3.23	165
180970057	2012	12	13	7	V	0.08	1.4	2.73	146
180970057	2012	12	13	8	V	0.2	1.7	3.75	153
180970057	2012	12	13	9	V	0.9	2.5	3.05	160
180970057	2012	12	13	10	V	9.4	4.6	3.25	172
180970057	2012	12	13	11	V	11.2	28.2	5.24	180
180970057	2012	12	13	12	V	37.6	21.9	4.27	185
180970057	2012	12	13	13	V	50.8	49.3	4.42	190
180970057	2012	12	13	14	V	36.9	27.4	4.77	187
180970057	2012	12	13	15	V	21.4	38	5.21	186
180970057	2012	12	13	16	V	0.05	3	4.95	173
180970057	2012	12	13	17	V	0.2	2.7	4.66	175
180970057	2012	12	13	18	V	0.05	3	3.76	168
180970057	2012	12	13	19	V	0.05	2.1	3.05	155
180970057	2012	12	13	20	V	0.05	1.8	3.47	147
180970057	2012	12	13	21	V	0.05	2.1	3.8	161
180970057	2012	12	13	22	V	0.05	2.3	3.69	164
180970057	2012	12	13	23	V	0.05	2.1	3.61	174
180970057	2012	12	13	24	V	0.4	1.6	3.18	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	14	1	V	1.7	1.4	4.25	181
180970057	2012	12	14	2	V	52.1	1.2	3.4	196
180970057	2012	12	14	3	V	0.2	1.1	1.94	320
180970057	2012	12	14	4	V	1.5	0.8	1.21	221
180970057	2012	12	14	5	V	86.4	0.6	2.96	192
180970057	2012	12	14	6	V	0.04	1.8	3.25	162
180970057	2012	12	14	7	V	0.04	1.4	3.39	159
180970057	2012	12	14	8	V	0.4	1.6	3.42	165
180970057	2012	12	14	9	V	14.8	2.6	2.95	175
180970057	2012	12	14	10	V	54.0	6.4	2.95	184
180970057	2012	12	14	11	V	3.8	7	3.68	216
180970057	2012	12	14	12	V	0.8	9.3	3.98	233
180970057	2012	12	14	13	V	39.0	23.7	3.59	203
180970057	2012	12	14	14	V	57.2	20	3.91	191
180970057	2012	12	14	15	V	12.1	6.3	3.25	203
180970057	2012	12	14	16	V	7.0	4.3	3.18	202
180970057	2012	12	14	17	V	0.6	3.4	2.84	238
180970057	2012	12	14	18	V	0.3	2.6	1.79	222
180970057	2012	12	14	19	V	2.4	2.8	1.23	171
180970057	2012	12	14	20	V	0.08	2.5	2.62	132
180970057	2012	12	14	21	V	0.07	3	2.73	135
180970057	2012	12	14	22	V	0.08	2.8	2.95	128
180970057	2012	12	14	23	V	0.07	2.9	3.18	129
180970057	2012	12	14	24	V	0.08	2.7	3.8	143
180970057	2012	12	15	1	V	0.06	3	4.05	139
180970057	2012	12	15	2	V	0.06	2.8	4.12	144
180970057	2012	12	15	3	V	0.06	2.3	3.51	139
180970057	2012	12	15	4	V	0.04	2.2	3.69	133
180970057	2012	12	15	5	V	0.04	1.9	4.66	135
180970057	2012	12	15	6	V	0.06	1.3	4.49	143
180970057	2012	12	15	7	V	0.05	1.5	4.95	143
180970057	2012	12	15	8	V	0.1	1.3	5.63	138
180970057	2012	12	15	9	V	0.09	1.7	6.16	140
180970057	2012	12	15	10	V	0.2	1.5	4.56	149
180970057	2012	12	15	11	V	0.1	0.8	5.85	133
180970057	2012	12	15	12	V	0.07	0.5	8.67	147
180970057	2012	12	15	13	V	0.1	0.5	6.26	148
180970057	2012	12	15	14	V	0.08	0.5	6.72	148
180970057	2012	12	15	15	V	0.03	0.6	7.33	163
180970057	2012	12	15	16	V	0.03	0.5	7.79	168
180970057	2012	12	15	17	V	0.02	0.3	6.79	166
180970057	2012	12	15	18	V	0.06	0.2	6.26	173
180970057	2012	12	15	19	V	1.3	0.2	6.45	180
180970057	2012	12	15	20	V	45.8	6	4.49	189
180970057	2012	12	15	21	V	17.1	3.9	4.99	185
180970057	2012	12	15	22	V	8.3	5.2	6.55	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	15	23	V	0.1	-999	7.62	211
180970057	2012	12	15	24	V	1.1	1.3	7.94	205
180970057	2012	12	16	1	V	0.02	0.9	7.47	218
180970057	2012	12	16	2	V	0.03	0.7	6.84	222
180970057	2012	12	16	3	V	0.04	0.6	6.57	222
180970057	2012	12	16	4	V	0.04	0.5	7.08	223
180970057	2012	12	16	5	V	0.09	0.4	6.16	230
180970057	2012	12	16	6	V	0.06	0.2	5.29	224
180970057	2012	12	16	7	V	0.04	0.1	4.65	217
180970057	2012	12	16	8	V	1.7	0	4.29	210
180970057	2012	12	16	9	V	8.7	0.2	3.83	207
180970057	2012	12	16	10	V	22.7	0.7	3.64	204
180970057	2012	12	16	11	V	0.09	0.6	5.62	222
180970057	2012	12	16	12	V	0.1	1.5	6.58	226
180970057	2012	12	16	13	V	0.3	2.2	7.03	233
180970057	2012	12	16	14	V	0.1	1.4	6.33	230
180970057	2012	12	16	15	V	0.2	0.7	5.92	227
180970057	2012	12	16	16	V	0.6	0.5	5.38	236
180970057	2012	12	16	17	V	0.8	0.6	4.37	243
180970057	2012	12	16	18	V	0.7	0.6	3.69	240
180970057	2012	12	16	19	V	0.8	0.6	3.2	247
180970057	2012	12	16	20	V	0.5	0.6	3.23	268
180970057	2012	12	16	21	V	0.07	0.2	3.01	302
180970057	2012	12	16	22	V	0.1	0	2.52	306
180970057	2012	12	16	23	V	0.08	0	2.66	345
180970057	2012	12	16	24	V	16.3	0.1	1.35	39
180970057	2012	12	17	1	V	5.9	0.2	0.75	357
180970057	2012	12	17	2	V	1.1	0.1	1.2	313
180970057	2012	12	17	3	V	3.5	0	0.91	264
180970057	2012	12	17	4	V	0.6	0	1.38	289
180970057	2012	12	17	5	V	1.4	0	1.52	274
180970057	2012	12	17	6	V	0.2	0	1.98	320
180970057	2012	12	17	7	V	0.09	0	2.42	346
180970057	2012	12	17	8	V	0.3	0.3	1.74	80
180970057	2012	12	17	9	V	0.6	0	2.81	82
180970057	2012	12	17	10	V	0.2	0.1	2.88	87
180970057	2012	12	17	11	V	0.6	0.2	1.79	105
180970057	2012	12	17	12	V	6.9	0.5	1.4	35
180970057	2012	12	17	13	V	0.1	1	2.64	353
180970057	2012	12	17	14	V	0.03	1	3.18	8
180970057	2012	12	17	15	V	0.1	1.6	2.47	20
180970057	2012	12	17	16	V	0.09	1.4	3.39	344
180970057	2012	12	17	17	V	0.08	0.8	3.47	332
180970057	2012	12	17	18	V	0.07	0.4	3.49	324
180970057	2012	12	17	19	V	0.08	0.1	2.81	349
180970057	2012	12	17	20	V	0.07	0.1	3.42	329

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	17	21	V	0.07	0	4.26	319
180970057	2012	12	17	22	V	0.07	0	4.02	328
180970057	2012	12	17	23	V	0.07	0	4.48	319
180970057	2012	12	17	24	V	0.06	0	4.75	309
180970057	2012	12	18	1	V	0.07	0	4.63	307
180970057	2012	12	18	2	V	0.05	0	5.07	304
180970057	2012	12	18	3	V	0.04	0.1	5.43	309
180970057	2012	12	18	4	V	0.04	0.1	5.21	295
180970057	2012	12	18	5	V	0.07	0	4.8	289
180970057	2012	12	18	6	V	0.5	0.2	4.54	277
180970057	2012	12	18	7	V	0.7	0.1	4.26	266
180970057	2012	12	18	8	V	0.6	0.1	4.27	253
180970057	2012	12	18	9	V	0.4	0.3	3.74	250
180970057	2012	12	18	10	V	0.4	0.2	3.83	231
180970057	2012	12	18	11	V	17.3	0.8	4.56	203
180970057	2012	12	18	12	V	24.5	0.8	5.67	199
180970057	2012	12	18	13	V	32.8	0.6	5.67	196
180970057	2012	12	18	14	V	17.2	0.5	6.24	185
180970057	2012	12	18	15	V	0.1	0.4	6.6	174
180970057	2012	12	18	16	V	0.02	0.3	6.81	154
180970057	2012	12	18	17	V	0.02	0.2	6.98	160
180970057	2012	12	18	18	V	0.03	0.1	5.94	171
180970057	2012	12	18	19	V	0.1	0.1	4.36	176
180970057	2012	12	18	20	V	0.05	0.1	3.56	171
180970057	2012	12	18	21	V	59.0	0.7	3.51	190
180970057	2012	12	18	22	V	63.1	0.5	3.66	191
180970057	2012	12	18	23	V	0.3	0.4	5.7	232
180970057	2012	12	18	24	V	0.6	0.6	7.79	259
180970057	2012	12	19	1	V	0.3	0.3	9.97	277
180970057	2012	12	19	2	V	0.7	0.2	6.58	262
180970057	2012	12	19	3	V	0.6	0.1	5.58	269
180970057	2012	12	19	4	V	0.1	0.1	5.79	284
180970057	2012	12	19	5	V	0.04	0.1	5.33	300
180970057	2012	12	19	6	V	0.06	0	4.73	297
180970057	2012	12	19	7	V	0.07	0.1	3.13	300
180970057	2012	12	19	8	V	0.1	0.1	3.34	306
180970057	2012	12	19	9	V	0.7	0.1	2.32	327
180970057	2012	12	19	10	V	6.7	0.1	1.79	26
180970057	2012	12	19	11	V	4.9	0.3	1.76	60
180970057	2012	12	19	12	V	0.8	0.7	1.45	124
180970057	2012	12	19	13	V	0.1	0.4	2.87	143
180970057	2012	12	19	14	V	0.03	0.4	3.12	136
180970057	2012	12	19	15	V	0.1	0.3	3.52	111
180970057	2012	12	19	16	V	0.08	0.3	4	111
180970057	2012	12	19	17	V	0.08	0.3	3.93	112
180970057	2012	12	19	18	V	0.08	0.2	4.27	95

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	19	19	V	0.05	0.1	5	91
180970057	2012	12	19	20	V	0.06	0.2	5	94
180970057	2012	12	19	21	V	0.04	0.3	5.63	104
180970057	2012	12	19	22	V	0.03	0.8	6.45	102
180970057	2012	12	19	23	V	0.02	0.9	7.2	103
180970057	2012	12	19	24	V	0.02	1.3	7.35	115
180970057	2012	12	20	1	V	0.02	2	7.54	118
180970057	2012	12	20	2	V	0.02	2.4	7.91	123
180970057	2012	12	20	3	V	0.02	1.5	8.1	129
180970057	2012	12	20	4	V	0.01	1.2	7.52	126
180970057	2012	12	20	5	V	0.02	1	6.69	119
180970057	2012	12	20	6	V	0.03	1.3	5.07	135
180970057	2012	12	20	7	V	0.03	0.8	5.14	139
180970057	2012	12	20	8	V	0.07	0.3	4.83	141
180970057	2012	12	20	9	V	0.2	0.1	5.55	170
180970057	2012	12	20	10	V	0.09	0	6.36	148
180970057	2012	12	20	11	V	0.05	0	10.58	135
180970057	2012	12	20	12	V	0.06	0	8.91	158
180970057	2012	12	20	13	V	0.07	0	8.83	160
180970057	2012	12	20	14	V	5.2	0.1	10.41	182
180970057	2012	12	20	15	V	0.07	0.5	11.36	213
180970057	2012	12	20	16	V	0.09	0	14.95	223
180970057	2012	12	20	17	V	0.06	0	14.39	220
180970057	2012	12	20	18	V	0.1	0	12.99	213
180970057	2012	12	20	19	V	0.05	0	12.47	220
180970057	2012	12	20	20	V	0.09	0	13.67	226
180970057	2012	12	20	21	V	0.2	0	15.49	236
180970057	2012	12	20	22	V	0.3	0	15.13	242
180970057	2012	12	20	23	V	0.3	0	13.72	248
180970057	2012	12	20	24	V	0.3	0	13.04	256
180970057	2012	12	21	1	V	0.4	0	12.14	260
180970057	2012	12	21	2	V	0.4	0	11.94	259
180970057	2012	12	21	3	V	0.3	0	12.43	259
180970057	2012	12	21	4	V	0.3	0	12.4	262
180970057	2012	12	21	5	V	0.3	0	12.41	268
180970057	2012	12	21	6	V	0.3	0	11.5	269
180970057	2012	12	21	7	V	0.3	0	11.32	273
180970057	2012	12	21	8	V	0.2	0	12.72	281
180970057	2012	12	21	9	V	0.06	0	12.96	283
180970057	2012	12	21	10	V	0.05	0	12.31	282
180970057	2012	12	21	11	V	0.07	0	11.68	280
180970057	2012	12	21	12	V	0.06	0	12.31	282
180970057	2012	12	21	13	V	0.06	0	11.41	282
180970057	2012	12	21	14	V	0.05	0	11.19	283
180970057	2012	12	21	15	V	0.1	0	9.12	282
180970057	2012	12	21	16	V	0.03	0	9.02	289

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	21	17	V	0.02	0	9.51	294
180970057	2012	12	21	18	V	0.02	0	9.37	292
180970057	2012	12	21	19	V	0.02	0	8.11	295
180970057	2012	12	21	20	V	0.02	0	7.5	295
180970057	2012	12	21	21	V	0.05	0	8.23	287
180970057	2012	12	21	22	V	0.2	0.1	8.66	282
180970057	2012	12	21	23	V	0.2	0.1	7.76	281
180970057	2012	12	21	24	V	0.4	0.1	6.8	276
180970057	2012	12	22	1	V	0.5	0.1	6.75	274
180970057	2012	12	22	2	V	0.5	0.1	6.84	274
180970057	2012	12	22	3	V	0.2	0.2	5.97	282
180970057	2012	12	22	4	V	0.05	0.2	5.53	287
180970057	2012	12	22	5	V	0.4	0.2	3.27	279
180970057	2012	12	22	6	V	0.2	0.2	4.19	246
180970057	2012	12	22	7	V	0.7	0.2	3.64	259
180970057	2012	12	22	8	V	0.4	0.2	3.9	244
180970057	2012	12	22	9	V	0.9	0.2	3.44	242
180970057	2012	12	22	10	V	1.1	0.3	3.37	242
180970057	2012	12	22	11	V	2.2	0.5	2.52	238
180970057	2012	12	22	12	V	1.4	0.6	3.22	240
180970057	2012	12	22	13	V	1.2	0.7	3.3	237
180970057	2012	12	22	14	V	1.0	0.9	3.44	241
180970057	2012	12	22	15	V	1.1	1.4	3.15	245
180970057	2012	12	22	16	V	0.9	2	3.18	239
180970057	2012	12	22	17	V	20.8	6.2	2.98	200
180970057	2012	12	22	18	V	26.5	1.5	3.4	187
180970057	2012	12	22	19	V	29.5	0.8	3.34	187
180970057	2012	12	22	20	V	0.05	0.6	3.15	153
180970057	2012	12	22	21	V	0.04	0.6	3.39	153
180970057	2012	12	22	22	V	0.06	0.6	2.84	154
180970057	2012	12	22	23	V	0.09	-999	2.62	110
180970057	2012	12	22	24	V	0.04	0.5	3.05	147
180970057	2012	12	23	1	V	0.08	0.7	2.49	138
180970057	2012	12	23	2	V	0.06	0.8	2.84	145
180970057	2012	12	23	3	V	0.06	0.9	2.67	140
180970057	2012	12	23	4	V	0.04	0.9	3	142
180970057	2012	12	23	5	V	0.07	0.8	2.56	163
180970057	2012	12	23	6	V	2.1	0.6	1.99	178
180970057	2012	12	23	7	V	40.2	0.6	1.82	200
180970057	2012	12	23	8	V	0.5	0.7	1.98	231
180970057	2012	12	23	9	V	1.0	0.9	2.11	257
180970057	2012	12	23	10	V	9.6	1.8	1.04	286
180970057	2012	12	23	11	V	2.9	2.7	1.81	242
180970057	2012	12	23	12	V	8.6	2.9	1.3	253
180970057	2012	12	23	13	V	15.3	3.1	0.77	293
180970057	2012	12	23	14	V	43.3	3.1	0.69	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	23	15	V	3.3	2.7	0.96	237
180970057	2012	12	23	16	V	100.5	2.4	0.67	188
180970057	2012	12	23	17	V	2.2	2	0.99	317
180970057	2012	12	23	18	V	0.1	1.3	2.11	331
180970057	2012	12	23	19	V	0.09	1	2.44	25
180970057	2012	12	23	20	V	0.08	0.9	3.95	23
180970057	2012	12	23	21	V	1.4	1	3.3	38
180970057	2012	12	23	22	V	4.4	1.2	4.15	42
180970057	2012	12	23	23	V	4.2	2.1	3.59	51
180970057	2012	12	23	24	V	2.5	1	2.61	54
180970057	2012	12	24	1	V	2.4	0.9	2.78	54
180970057	2012	12	24	2	V	0.9	0.8	3.13	57
180970057	2012	12	24	3	V	0.3	0.7	4.1	61
180970057	2012	12	24	4	V	0.09	0.6	3.66	71
180970057	2012	12	24	5	V	0.09	0.6	3.95	77
180970057	2012	12	24	6	V	0.08	0.7	3.32	83
180970057	2012	12	24	7	V	0.08	0.9	2.95	101
180970057	2012	12	24	8	V	0.2	1.1	2.3	103
180970057	2012	12	24	9	V	1.6	1.2	1.69	78
180970057	2012	12	24	10	V	0.6	1.5	2.74	109
180970057	2012	12	24	11	V	17.8	1.5	2.44	175
180970057	2012	12	24	12	V	45.7	2.4	2.03	205
180970057	2012	12	24	13	V	1.1	0.9	2.5	250
180970057	2012	12	24	14	V	0.3	1	4.54	267
180970057	2012	12	24	15	V	0.04	1.4	6.07	295
180970057	2012	12	24	16	V	0.02	1.4	6.67	296
180970057	2012	12	24	17	V	0.02	0.8	6.55	299
180970057	2012	12	24	18	V	0.02	0.4	6.89	300
180970057	2012	12	24	19	V	0.05	0.6	5.29	310
180970057	2012	12	24	20	V	0.07	0.7	4.61	301
180970057	2012	12	24	21	V	0.06	0.9	4.78	307
180970057	2012	12	24	22	V	0.07	0.9	3.66	293
180970057	2012	12	24	23	V	0.4	0.8	4.29	279
180970057	2012	12	24	24	V	0.08	0.5	4.15	295
180970057	2012	12	25	1	V	0.07	0.4	3.46	301
180970057	2012	12	25	2	V	0.07	0.4	2.78	302
180970057	2012	12	25	3	V	0.06	0.4	3.22	312
180970057	2012	12	25	4	V	0.07	0.3	3.59	329
180970057	2012	12	25	5	V	0.08	0.4	3.81	330
180970057	2012	12	25	6	V	0.09	0.6	3.64	349
180970057	2012	12	25	7	V	0.07	0.6	4.54	8
180970057	2012	12	25	8	V	0.1	0.6	4.14	8
180970057	2012	12	25	9	V	0.1	0.6	4.82	16
180970057	2012	12	25	10	V	7.9	1.8	5.16	39
180970057	2012	12	25	11	V	8.3	3.5	3.95	42
180970057	2012	12	25	12	V	9.5	5.5	4.15	43

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	25	13	V	0.5	3.4	4.56	32
180970057	2012	12	25	14	V	0.07	1.4	5.21	29
180970057	2012	12	25	15	V	2.2	5.8	5.17	47
180970057	2012	12	25	16	V	0.06	2.1	5.82	63
180970057	2012	12	25	17	V	0.1	1.8	6.09	59
180970057	2012	12	25	18	V	0.8	3.5	6.31	50
180970057	2012	12	25	19	V	0.3	2.8	6.99	55
180970057	2012	12	25	20	V	0.4	6.7	7.01	54
180970057	2012	12	25	21	V	0.2	2.5	7.72	57
180970057	2012	12	25	22	V	0.2	1.7	8.03	58
180970057	2012	12	25	23	V	0.3	2.1	7.94	56
180970057	2012	12	25	24	V	0.4	5.6	8.32	55
180970057	2012	12	26	1	V	0.8	7.5	8.85	53
180970057	2012	12	26	2	V	1.8	15.8	9.25	49
180970057	2012	12	26	3	V	2.4	17.7	10.32	52
180970057	2012	12	26	4	V	2.6	21	10.02	50
180970057	2012	12	26	5	V	2.9	21.2	10.26	50
180970057	2012	12	26	6	V	4.0	21	10.95	44
180970057	2012	12	26	7	V	0.8	9.2	10.28	37
180970057	2012	12	26	8	V	0.1	1.4	10.66	30
180970057	2012	12	26	9	V	0.1	0.6	12.01	27
180970057	2012	12	26	10	V	0.06	0.4	12.11	21
180970057	2012	12	26	11	V	0.06	0.3	11.21	15
180970057	2012	12	26	12	V	0.06	0.4	11.67	14
180970057	2012	12	26	13	V	0.05	0.5	11.04	11
180970057	2012	12	26	14	V	0.05	0.5	10.09	8
180970057	2012	12	26	15	V	0.03	0.4	9.32	3
180970057	2012	12	26	16	V	0.04	0.4	9.51	350
180970057	2012	12	26	17	V	0.03	0.3	9.63	344
180970057	2012	12	26	18	V	0.04	0.3	9.81	349
180970057	2012	12	26	19	V	0.02	0.2	8.76	349
180970057	2012	12	26	20	V	0.01	0.3	8.18	341
180970057	2012	12	26	21	V	0.01	0.2	7.54	335
180970057	2012	12	26	22	V	0.01	0.3	7.04	328
180970057	2012	12	26	23	V	0.01	0.3	6.97	324
180970057	2012	12	26	24	V	0.01	0.4	6.94	323
180970057	2012	12	27	1	V	0.02	0.3	6.21	326
180970057	2012	12	27	2	V	0.03	0.3	4.99	329
180970057	2012	12	27	3	V	0.04	0.3	3.3	314
180970057	2012	12	27	4	V	0.04	0.3	3.3	306
180970057	2012	12	27	5	V	0.06	0.3	3.66	288
180970057	2012	12	27	6	V	0.04	0.3	4.41	323
180970057	2012	12	27	7	V	0.04	0.4	4.58	337
180970057	2012	12	27	8	V	0.1	0.4	3.75	332
180970057	2012	12	27	9	V	0.2	0.5	3.22	293
180970057	2012	12	27	10	V	0.3	0.6	3.12	325

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	27	11	V	0.08	0.7	3.51	325
180970057	2012	12	27	12	V	0.08	1	3.29	301
180970057	2012	12	27	13	V	0.3	1.2	3.03	299
180970057	2012	12	27	14	V	0.5	1.3	2.06	285
180970057	2012	12	27	15	V	0.7	0.8	2.2	269
180970057	2012	12	27	16	V	0.1	0.7	2.13	317
180970057	2012	12	27	17	V	0.2	0.6	1.74	312
180970057	2012	12	27	18	V	0.07	0.4	2.32	317
180970057	2012	12	27	19	V	0.2	0.4	1.67	5
180970057	2012	12	27	20	V	1.9	0.5	1.64	32
180970057	2012	12	27	21	V	4.8	0.3	1.88	57
180970057	2012	12	27	22	V	0.05	0.6	2.86	107
180970057	2012	12	27	23	V	0.05	0.4	2.73	143
180970057	2012	12	27	24	V	0.05	0.7	2.47	132
180970057	2012	12	28	1	V	0.06	0.5	2.3	150
180970057	2012	12	28	2	V	0.09	0.5	2.11	134
180970057	2012	12	28	3	V	0.2	0.4	1.71	126
180970057	2012	12	28	4	V	0.07	0.4	2.25	120
180970057	2012	12	28	5	V	0.05	0.4	3.1	102
180970057	2012	12	28	6	V	0.06	0.6	3.44	117
180970057	2012	12	28	7	V	0.07	0.5	2.64	131
180970057	2012	12	28	8	V	0.2	1.6	1.93	132
180970057	2012	12	28	9	V	1.4	1.4	1.89	160
180970057	2012	12	28	10	V	1.3	1.2	1.94	125
180970057	2012	12	28	11	V	0.2	1.6	2.81	112
180970057	2012	12	28	12	V	0.2	1.9	2.76	117
180970057	2012	12	28	13	V	0.07	1.9	4.1	130
180970057	2012	12	28	14	V	0.03	1.7	3.93	125
180970057	2012	12	28	15	V	0.09	1.4	4.08	126
180970057	2012	12	28	16	V	0.08	1.3	4.19	137
180970057	2012	12	28	17	V	0.07	1.1	3.61	126
180970057	2012	12	28	18	V	0.07	1.8	3.12	105
180970057	2012	12	28	19	V	0.07	2.4	3.71	101
180970057	2012	12	28	20	V	0.07	2.2	3.22	104
180970057	2012	12	28	21	V	0.08	2.8	4.03	117
180970057	2012	12	28	22	V	0.08	1.7	2.72	115
180970057	2012	12	28	23	V	0.3	1.2	1.64	101
180970057	2012	12	28	24	V	1.5	1.4	1.82	33
180970057	2012	12	29	1	V	0.08	1.3	2.55	357
180970057	2012	12	29	2	V	0.07	1.2	3.01	353
180970057	2012	12	29	3	V	0.07	1	2.95	351
180970057	2012	12	29	4	V	0.07	1.3	3.61	339
180970057	2012	12	29	5	V	0.08	1.1	4	333
180970057	2012	12	29	6	V	0.06	0.9	4.28	327
180970057	2012	12	29	7	V	0.06	0.7	4.61	320
180970057	2012	12	29	8	V	0.06	1	5.5	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	29	9	M	-999	1.5	5.68	316
180970057	2012	12	29	10	M	-999	2.1	5.12	307
180970057	2012	12	29	11	M	-999	2.1	4.97	292
180970057	2012	12	29	12	M	-999	1.8	4.31	288
180970057	2012	12	29	13	M	-999	1.4	6.47	285
180970057	2012	12	29	14	M	-999	1.1	9.24	292
180970057	2012	12	29	15	V	0.03	1.1	9.39	291
180970057	2012	12	29	16	V	0.04	0.9	8.62	288
180970057	2012	12	29	17	V	0.02	0.8	8.95	291
180970057	2012	12	29	18	V	0.02	0.7	8.22	291
180970057	2012	12	29	19	V	0.3	0.6	8.96	278
180970057	2012	12	29	20	V	0.6	0.5	5.96	270
180970057	2012	12	29	21	V	0.3	0.5	7.96	277
180970057	2012	12	29	22	V	0.02	0.5	8.46	291
180970057	2012	12	29	23	V	0.02	-999	9.06	298
180970057	2012	12	29	24	V	0.04	0.5	6.96	288
180970057	2012	12	30	1	V	0.08	0.4	5.36	287
180970057	2012	12	30	2	V	0.2	0.4	4.27	283
180970057	2012	12	30	3	V	0.5	0.4	5.85	274
180970057	2012	12	30	4	V	0.7	0.4	6.28	265
180970057	2012	12	30	5	V	0.6	0.4	4.88	268
180970057	2012	12	30	6	V	0.4	0.4	4.31	253
180970057	2012	12	30	7	V	0.2	0.3	4.78	239
180970057	2012	12	30	8	V	0.2	0.4	3.73	223
180970057	2012	12	30	9	V	20.6	0.4	2.86	208
180970057	2012	12	30	10	V	49.3	1.7	2.9	202
180970057	2012	12	30	11	V	35.4	8.3	2.84	207
180970057	2012	12	30	12	V	54.1	10	2.66	201
180970057	2012	12	30	13	V	5.7	10.4	3.3	211
180970057	2012	12	30	14	V	0.3	6.3	4.15	233
180970057	2012	12	30	15	V	63.1	7.7	2.95	196
180970057	2012	12	30	16	V	1.0	4.1	4.05	244
180970057	2012	12	30	17	V	0.09	3.7	3.83	219
180970057	2012	12	30	18	V	19.8	6.1	4.83	200
180970057	2012	12	30	19	V	0.2	5.9	4.97	212
180970057	2012	12	30	20	V	64.7	6.8	4.41	193
180970057	2012	12	30	21	V	59.3	4.9	4.54	191
180970057	2012	12	30	22	V	37.3	2.8	4.76	197
180970057	2012	12	30	23	V	32.3	5.7	4.68	187
180970057	2012	12	30	24	V	26.9	5.5	5.8	191
180970057	2012	12	31	1	V	44.1	4.2	4.71	190
180970057	2012	12	31	2	V	24.4	5.1	5.79	192
180970057	2012	12	31	3	V	20.2	7.5	5.6	196
180970057	2012	12	31	4	V	0.3	4.1	5.27	210
180970057	2012	12	31	5	V	0.7	5	5.12	208
180970057	2012	12	31	6	V	3.4	8.1	6.33	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2012	12	31	7	V	2.2	7.2	5.77	205
180970057	2012	12	31	8	V	0.09	6.9	5.34	221
180970057	2012	12	31	9	V	0.1	4.7	6.72	228
180970057	2012	12	31	10	V	0.1	3.6	7.08	225
180970057	2012	12	31	11	V	0.1	3.3	6.96	226
180970057	2012	12	31	12	V	0.1	3.2	5.65	222
180970057	2012	12	31	13	V	0.1	3.2	6.11	224
180970057	2012	12	31	14	V	0.2	1.7	6.5	233
180970057	2012	12	31	15	V	0.3	1	4.53	226
180970057	2012	12	31	16	V	1.6	1.1	3.69	207
180970057	2012	12	31	17	V	0.1	1.3	4.66	215
180970057	2012	12	31	18	V	0.3	0.8	3.95	210
180970057	2012	12	31	19	V	50.0	1.7	4.23	197
180970057	2012	12	31	20	V	0.2	1.6	4.86	223
180970057	2012	12	31	21	V	0.3	1.2	4.36	228
180970057	2012	12	31	22	V	0.7	0.8	3.86	241
180970057	2012	12	31	23	V	0.7	0.9	3.36	241
180970057	2012	12	31	24	V	0.9	0.7	1.76	238
180970057	2013	1	1	1	V	0.3	0.6	2.36	281
180970057	2013	1	1	2	V	0.1	0.7	2.36	288
180970057	2013	1	1	3	V	0.08	0.5	4.36	314
180970057	2013	1	1	4	V	0.08	0.3	4.36	343
180970057	2013	1	1	5	V	0.08	0.2	4.36	343
180970057	2013	1	1	6	V	0.08	0.3	3.36	332
180970057	2013	1	1	7	V	0.09	0.4	3.8	335
180970057	2013	1	1	8	V	0.1	0.3	3.47	332
180970057	2013	1	1	9	V	0.08	0.4	4.54	345
180970057	2013	1	1	10	V	0.09	0.4	3.61	355
180970057	2013	1	1	11	V	0.2	0.6	3.29	351
180970057	2013	1	1	12	V	0.1	0.6	3.27	2
180970057	2013	1	1	13	V	0.07	0.6	4.17	9
180970057	2013	1	1	14	V	0.09	0.6	3.18	320
180970057	2013	1	1	15	V	0.1	0.6	4.17	324
180970057	2013	1	1	16	V	0.06	0.7	3.66	323
180970057	2013	1	1	17	V	0.06	0.7	3.57	313
180970057	2013	1	1	18	V	0.06	0.7	3.37	313
180970057	2013	1	1	19	V	0.06	0.6	3.42	316
180970057	2013	1	1	20	V	0.08	0.9	3.49	306
180970057	2013	1	1	21	V	0.08	0.9	4.44	312
180970057	2013	1	1	22	V	0.06	0.6	4.24	316
180970057	2013	1	1	23	V	0.09	0.4	2.67	295
180970057	2013	1	1	24	V	0.07	0.6	2.76	299
180970057	2013	1	2	1	V	0.4	0.5	2.37	268
180970057	2013	1	2	2	V	1.0	0.3	2.18	260
180970057	2013	1	2	3	V	0.5	0.4	2.4	266
180970057	2013	1	2	4	V	0.1	0.7	2.45	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	2	5	V	1.0	0.9	2.4	275
180970057	2013	1	2	6	V	0.1	0.7	2.42	311
180970057	2013	1	2	7	V	0.4	0.7	1.76	295
180970057	2013	1	2	8	V	0.9	1	2.15	258
180970057	2013	1	2	9	V	1.3	1	2.42	267
180970057	2013	1	2	10	V	6.6	1	1.43	243
180970057	2013	1	2	11	V	14.9	1.3	1.54	222
180970057	2013	1	2	12	V	21.5	1.5	1.18	230
180970057	2013	1	2	13	V	31.8	1.5	1.43	218
180970057	2013	1	2	14	V	91.9	1.4	1.26	198
180970057	2013	1	2	15	V	107.9	1.2	1.84	193
180970057	2013	1	2	16	V	0.3	0.8	1.89	218
180970057	2013	1	2	17	V	1.0	1.1	2.23	259
180970057	2013	1	2	18	V	0.7	0.8	1.89	279
180970057	2013	1	2	19	V	6.3	1	0.87	234
180970057	2013	1	2	20	V	0.08	1.7	2.86	167
180970057	2013	1	2	21	V	0.08	2.7	2.81	164
180970057	2013	1	2	22	V	0.08	2.6	2.83	158
180970057	2013	1	2	23	V	0.2	2.5	2.18	171
180970057	2013	1	2	24	V	41.9	2.5	2.49	186
180970057	2013	1	3	1	V	31.1	2.3	2.16	201
180970057	2013	1	3	2	V	107.2	2.3	2.13	194
180970057	2013	1	3	3	V	0.2	3.4	2.64	210
180970057	2013	1	3	4	V	0.1	4.5	2.66	231
180970057	2013	1	3	5	V	0.06	6.6	3.8	230
180970057	2013	1	3	6	V	0.04	6.2	3.64	223
180970057	2013	1	3	7	V	0.08	5.6	2.95	225
180970057	2013	1	3	8	V	0.2	4.7	3.78	226
180970057	2013	1	3	9	V	0.4	6	3.85	224
180970057	2013	1	3	10	V	0.4	7.6	4.93	235
180970057	2013	1	3	11	V	0.5	6.9	5.04	239
180970057	2013	1	3	12	V	0.4	4.7	5.16	245
180970057	2013	1	3	13	V	0.3	4.7	4.56	250
180970057	2013	1	3	14	V	0.4	3.8	5.12	243
180970057	2013	1	3	15	V	0.8	2.6	5.96	247
180970057	2013	1	3	16	V	0.7	2.6	5.89	248
180970057	2013	1	3	17	V	0.7	3.4	5.67	247
180970057	2013	1	3	18	V	0.8	3.3	5.12	246
180970057	2013	1	3	19	V	0.7	3	4.9	250
180970057	2013	1	3	20	V	0.7	1.9	5.1	249
180970057	2013	1	3	21	V	0.5	1.5	4.54	236
180970057	2013	1	3	22	V	0.5	1.7	4.31	236
180970057	2013	1	3	23	V	0.7	1.7	4.46	253
180970057	2013	1	3	24	V	0.2	1.4	6.01	280
180970057	2013	1	4	1	V	0.4	1.1	8.91	268
180970057	2013	1	4	2	V	0.7	0.6	6.92	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	4	3	V	0.3	0.6	4.87	250
180970057	2013	1	4	4	V	0.2	0.5	4.2	239
180970057	2013	1	4	5	V	0.3	0.6	4.02	244
180970057	2013	1	4	6	V	0.4	0.6	4.54	250
180970057	2013	1	4	7	V	0.3	0.7	4.29	249
180970057	2013	1	4	8	V	0.3	0.8	4.22	241
180970057	2013	1	4	9	V	0.6	0.9	4.1	246
180970057	2013	1	4	10	V	0.3	1.4	5.46	249
180970057	2013	1	4	11	V	0.2	1.9	6.8	255
180970057	2013	1	4	12	V	0.3	2.7	7.06	248
180970057	2013	1	4	13	V	0.2	2.7	8.13	253
180970057	2013	1	4	14	V	0.4	1.9	7.52	245
180970057	2013	1	4	15	V	0.7	3.1	7.16	240
180970057	2013	1	4	16	V	0.4	3.5	6.4	234
180970057	2013	1	4	17	V	0.2	1.8	6.8	231
180970057	2013	1	4	18	V	0.2	0.9	6.48	230
180970057	2013	1	4	19	V	0.2	0.7	5.84	229
180970057	2013	1	4	20	V	0.05	0.6	5.43	219
180970057	2013	1	4	21	V	0.1	1	5.63	223
180970057	2013	1	4	22	V	0.3	0.9	5.04	228
180970057	2013	1	4	23	V	0.5	0.8	4.32	235
180970057	2013	1	4	24	V	0.5	0.8	3.41	234
180970057	2013	1	5	1	V	0.09	1.2	3.08	229
180970057	2013	1	5	2	V	0.05	1.6	4.2	226
180970057	2013	1	5	3	V	0.05	1.6	3.71	226
180970057	2013	1	5	4	V	9.2	2	1.82	206
180970057	2013	1	5	5	V	6.3	2.1	2.16	180
180970057	2013	1	5	6	V	0.3	2.6	2.13	174
180970057	2013	1	5	7	V	0.1	2.3	2.56	165
180970057	2013	1	5	8	V	5.6	1.9	2.72	175
180970057	2013	1	5	9	V	10.2	2	2.28	170
180970057	2013	1	5	10	V	30.9	3.1	2.33	176
180970057	2013	1	5	11	V	22.9	9.3	3.35	180
180970057	2013	1	5	12	V	41.0	10.5	4.03	199
180970057	2013	1	5	13	V	46.1	7.1	3.15	202
180970057	2013	1	5	14	V	2.7	7	4.2	210
180970057	2013	1	5	15	V	59.9	9.2	4.43	196
180970057	2013	1	5	16	V	14.6	5.6	4.65	202
180970057	2013	1	5	17	V	0.05	2.5	6.28	215
180970057	2013	1	5	18	V	0.1	1.4	3.88	218
180970057	2013	1	5	19	V	57.9	2.3	3.57	197
180970057	2013	1	5	20	V	63.6	3.1	4.07	189
180970057	2013	1	5	21	V	81.0	7.8	3.8	193
180970057	2013	1	5	22	V	16.7	4.2	4.27	202
180970057	2013	1	5	23	V	45.1	-999	4.87	196
180970057	2013	1	5	24	V	13.1	3.4	5.17	201

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	6	1	V	2.0	4.4	5.26	206
180970057	2013	1	6	2	V	0.2	6.6	4.78	211
180970057	2013	1	6	3	V	0.1	6.3	4.87	214
180970057	2013	1	6	4	V	0.05	4.4	5.65	224
180970057	2013	1	6	5	V	0.05	2.6	5.33	220
180970057	2013	1	6	6	V	0.07	2.1	4.73	219
180970057	2013	1	6	7	V	0.06	1.8	4.87	220
180970057	2013	1	6	8	V	0.1	1.5	5.05	218
180970057	2013	1	6	9	V	0.1	1.3	5.51	231
180970057	2013	1	6	10	V	0.3	1.2	5.26	234
180970057	2013	1	6	11	V	0.1	0.9	10.19	272
180970057	2013	1	6	12	V	0.1	0.6	9.39	275
180970057	2013	1	6	13	V	0.08	0.5	8.88	279
180970057	2013	1	6	14	V	0.08	0.5	8.01	280
180970057	2013	1	6	15	V	0.03	0.5	7.89	290
180970057	2013	1	6	16	V	0.02	0.5	7.13	298
180970057	2013	1	6	17	V	0.03	0.4	6.07	313
180970057	2013	1	6	18	V	0.08	0.4	3.64	316
180970057	2013	1	6	19	V	0.1	0.4	5.07	285
180970057	2013	1	6	20	V	0.4	0.3	4	278
180970057	2013	1	6	21	V	0.3	0.4	4.25	281
180970057	2013	1	6	22	V	0.06	0.3	4.61	298
180970057	2013	1	6	23	V	0.07	0.3	3.69	292
180970057	2013	1	6	24	V	0.06	0.3	3.34	306
180970057	2013	1	7	1	V	0.07	0.3	2.71	302
180970057	2013	1	7	2	V	0.8	0.3	2.52	272
180970057	2013	1	7	3	V	0.3	0.3	3.22	253
180970057	2013	1	7	4	V	0.3	0.4	2.35	252
180970057	2013	1	7	5	V	0.2	0.4	2.39	237
180970057	2013	1	7	6	V	0.2	0.9	2.78	249
180970057	2013	1	7	7	V	0.1	0.7	2.5	225
180970057	2013	1	7	8	V	29.9	0.9	2.33	204
180970057	2013	1	7	9	V	1.0	0.9	2.38	151
180970057	2013	1	7	10	V	1.0	1.7	2.81	149
180970057	2013	1	7	11	V	10.4	1.5	3.12	171
180970057	2013	1	7	12	V	52.1	10.2	3.3	201
180970057	2013	1	7	13	V	34.0	38.5	5.51	188
180970057	2013	1	7	14	V	37.3	17	6.41	190
180970057	2013	1	7	15	V	0.7	4.8	6.53	177
180970057	2013	1	7	16	V	0.01	3	5.75	169
180970057	2013	1	7	17	V	0.03	2.7	4.63	171
180970057	2013	1	7	18	V	0.04	1.3	3.64	135
180970057	2013	1	7	19	V	0.05	0.9	3.27	143
180970057	2013	1	7	20	V	0.05	0.9	4.49	150
180970057	2013	1	7	21	V	0.05	0.9	3.54	149
180970057	2013	1	7	22	V	0.05	1	3.56	149

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	7	23	V	40.4	1.3	2.28	200
180970057	2013	1	7	24	V	0.2	0.7	1.98	166
180970057	2013	1	8	1	V	0.05	0.7	3.01	154
180970057	2013	1	8	2	V	0.5	0.8	3.18	180
180970057	2013	1	8	3	V	0.7	0.8	3.63	180
180970057	2013	1	8	4	V	0.2	0.9	1.77	158
180970057	2013	1	8	5	V	0.04	1	3.07	159
180970057	2013	1	8	6	V	0.04	1.1	3.42	165
180970057	2013	1	8	7	V	0.05	1.2	3.08	165
180970057	2013	1	8	8	V	3.2	1.2	1.18	153
180970057	2013	1	8	9	V	1.6	1.9	1.74	120
180970057	2013	1	8	10	V	1.4	2	2.37	115
180970057	2013	1	8	11	V	0.8	2.9	2.93	131
180970057	2013	1	8	12	V	0.5	6.6	3.5	159
180970057	2013	1	8	13	V	0.6	8.5	3.27	151
180970057	2013	1	8	14	V	1.0	13.4	2.96	164
180970057	2013	1	8	15	V	0.2	5.9	3.07	157
180970057	2013	1	8	16	V	0.05	3.5	3.18	169
180970057	2013	1	8	17	V	0.04	2.9	3.39	162
180970057	2013	1	8	18	V	0.04	2.6	3.63	160
180970057	2013	1	8	19	V	0.05	1.3	3.75	151
180970057	2013	1	8	20	V	0.05	1.4	3.92	151
180970057	2013	1	8	21	V	0.06	1.2	2.84	157
180970057	2013	1	8	22	V	0.04	1.2	3.42	143
180970057	2013	1	8	23	V	0.05	1.4	2.89	148
180970057	2013	1	8	24	V	0.06	1.2	3.34	158
180970057	2013	1	9	1	V	0.06	1.3	4.36	163
180970057	2013	1	9	2	V	0.05	1.3	4.41	161
180970057	2013	1	9	3	V	29.6	1.5	3.35	187
180970057	2013	1	9	4	V	0.2	4.9	4.34	211
180970057	2013	1	9	5	V	0.04	3.1	5.75	225
180970057	2013	1	9	6	V	0.1	2.6	7.11	236
180970057	2013	1	9	7	V	0.05	1.2	6.38	229
180970057	2013	1	9	8	V	0.1	0.6	6.43	233
180970057	2013	1	9	9	V	0.3	0.5	5.92	237
180970057	2013	1	9	10	V	0.5	0.6	4.82	243
180970057	2013	1	9	11	V	0.5	1.1	4.75	244
180970057	2013	1	9	12	V	0.4	1.9	5.68	246
180970057	2013	1	9	13	V	0.3	2.2	5.34	247
180970057	2013	1	9	14	V	0.4	2.5	5.97	242
180970057	2013	1	9	15	V	0.8	2.2	5.41	248
180970057	2013	1	9	16	V	0.7	1.6	4.56	264
180970057	2013	1	9	17	V	0.6	1.3	3.9	271
180970057	2013	1	9	18	V	0.5	0.9	3.42	278
180970057	2013	1	9	19	V	0.7	0.7	2.95	255
180970057	2013	1	9	20	V	0.6	0.6	3.2	252

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	9	21	V	0.7	0.7	2.45	237
180970057	2013	1	9	22	V	0.9	0.6	2.49	239
180970057	2013	1	9	23	V	0.7	0.7	2.3	251
180970057	2013	1	9	24	V	1.0	1.1	1.59	266
180970057	2013	1	10	1	V	0.8	1.4	1.33	340
180970057	2013	1	10	2	V	0.3	1.2	1.86	101
180970057	2013	1	10	3	V	0.2	1.2	1.96	133
180970057	2013	1	10	4	V	0.6	1.4	1.43	124
180970057	2013	1	10	5	V	0.2	1.7	1.79	80
180970057	2013	1	10	6	V	4.1	2.2	2.4	53
180970057	2013	1	10	7	V	0.2	1.4	2.06	64
180970057	2013	1	10	8	V	0.4	0.7	3.15	66
180970057	2013	1	10	9	V	0.2	0.8	3.95	85
180970057	2013	1	10	10	V	0.3	0.8	3.76	83
180970057	2013	1	10	11	V	0.2	1	4.09	88
180970057	2013	1	10	12	V	0.2	1	4.73	90
180970057	2013	1	10	13	V	0.1	1.3	5.67	105
180970057	2013	1	10	14	V	0.1	1.2	6.3	101
180970057	2013	1	10	15	V	0.03	1.9	6.99	107
180970057	2013	1	10	16	V	0.02	2	7.06	116
180970057	2013	1	10	17	V	0.04	1.3	5.72	107
180970057	2013	1	10	18	V	0.03	0.9	6.41	109
180970057	2013	1	10	19	V	0.03	1.3	6.21	112
180970057	2013	1	10	20	V	0.03	1.6	6.33	115
180970057	2013	1	10	21	V	0.03	1.3	6.57	119
180970057	2013	1	10	22	V	0.03	1.1	6.46	125
180970057	2013	1	10	23	V	0.04	1.2	5.14	133
180970057	2013	1	10	24	V	0.05	1.2	5.11	126
180970057	2013	1	11	1	V	0.03	1.2	5.7	137
180970057	2013	1	11	2	V	0.02	1.2	6.75	132
180970057	2013	1	11	3	V	0.02	1.1	6.18	138
180970057	2013	1	11	4	V	0.03	0.7	5.21	148
180970057	2013	1	11	5	V	12.3	1.1	3.98	202
180970057	2013	1	11	6	V	0.04	2.9	5.33	132
180970057	2013	1	11	7	V	0.03	0.8	5.56	139
180970057	2013	1	11	8	V	0.2	0.6	5.36	170
180970057	2013	1	11	9	V	36.1	4.7	6.36	189
180970057	2013	1	11	10	V	1.4	1.9	6.75	210
180970057	2013	1	11	11	V	0.1	1.9	6.41	224
180970057	2013	1	11	12	V	0.1	1.5	6.94	225
180970057	2013	1	11	13	V	0.08	1.6	8.2	226
180970057	2013	1	11	14	V	0.08	1.5	8.62	227
180970057	2013	1	11	15	V	0.06	1.2	7.6	220
180970057	2013	1	11	16	V	0.04	1.2	7.33	220
180970057	2013	1	11	17	V	2.0	1.2	5.96	205
180970057	2013	1	11	18	V	41.0	0.9	4.22	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	11	19	V	2.4	0.5	3.86	180
180970057	2013	1	11	20	V	1.6	0.4	4.37	178
180970057	2013	1	11	21	V	2.6	0.3	4.31	179
180970057	2013	1	11	22	V	23.1	0.6	4.78	186
180970057	2013	1	11	23	V	39.0	2.5	5.26	191
180970057	2013	1	11	24	V	39.8	11.8	5.12	191
180970057	2013	1	12	1	V	4.4	27.5	4.43	182
180970057	2013	1	12	2	V	0.05	9.7	3.91	174
180970057	2013	1	12	3	V	1.3	4.3	3.49	181
180970057	2013	1	12	4	V	4.5	5.7	3.39	183
180970057	2013	1	12	5	V	7.0	1.5	3.4	184
180970057	2013	1	12	6	V	3.1	2.5	4.22	205
180970057	2013	1	12	7	V	0.4	2.3	4.05	209
180970057	2013	1	12	8	V	24.1	2	3.42	201
180970057	2013	1	12	9	V	31.3	0.9	3.51	183
180970057	2013	1	12	10	V	77.5	0.7	3.24	191
180970057	2013	1	12	11	V	25.3	2.2	4.68	202
180970057	2013	1	12	12	V	0.2	4.2	5.94	232
180970057	2013	1	12	13	V	0.4	3.1	5.16	238
180970057	2013	1	12	14	V	0.7	2.4	2.81	231
180970057	2013	1	12	15	V	43.5	3	1.96	201
180970057	2013	1	12	16	V	0.09	2.6	3.3	155
180970057	2013	1	12	17	V	0.09	1	3.3	133
180970057	2013	1	12	18	V	0.09	0.8	3.35	129
180970057	2013	1	12	19	V	0.09	0.5	3.12	99
180970057	2013	1	12	20	V	0.07	0.4	3.22	359
180970057	2013	1	12	21	V	6.6	0.3	3.91	48
180970057	2013	1	12	22	V	0.08	0.4	4.02	66
180970057	2013	1	12	23	V	0.06	-999	3.61	83
180970057	2013	1	12	24	V	0.05	1.7	2.71	358
180970057	2013	1	13	1	V	0.07	0.6	3.34	30
180970057	2013	1	13	2	V	0.01	0.4	10.09	323
180970057	2013	1	13	3	V	0.01	0	5.73	340
180970057	2013	1	13	4	V	0.03	0	4.97	323
180970057	2013	1	13	5	V	0.03	0	4.83	314
180970057	2013	1	13	6	V	0.04	0	4.12	328
180970057	2013	1	13	7	V	0.05	0	3.24	340
180970057	2013	1	13	8	V	0.1	0	4.1	332
180970057	2013	1	13	9	V	0.06	0	3.85	339
180970057	2013	1	13	10	V	0.08	0	3.8	321
180970057	2013	1	13	11	V	0.1	0	3.54	334
180970057	2013	1	13	12	V	0.07	0	4.87	314
180970057	2013	1	13	13	V	0.07	0	4.41	345
180970057	2013	1	13	14	V	0.04	0.1	5.12	328
180970057	2013	1	13	15	V	0.02	0	7.71	301
180970057	2013	1	13	16	V	0.03	0	6.38	322

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	13	17	V	0.03	0	6.28	324
180970057	2013	1	13	18	V	0.04	0.1	5.58	305
180970057	2013	1	13	19	V	0.02	0	6.58	300
180970057	2013	1	13	20	V	0.02	0	8.22	298
180970057	2013	1	13	21	V	0.02	0	7.84	297
180970057	2013	1	13	22	V	0.01	0	7.91	300
180970057	2013	1	13	23	V	0.02	0.1	6.69	297
180970057	2013	1	13	24	V	0.03	0	6.06	302
180970057	2013	1	14	1	V	0.02	0.1	6.35	304
180970057	2013	1	14	2	V	0.03	0	6.45	291
180970057	2013	1	14	3	V	0.1	0.1	5.94	283
180970057	2013	1	14	4	V	0.05	0.1	5.21	302
180970057	2013	1	14	5	V	0.07	0.1	4.43	311
180970057	2013	1	14	6	V	0.05	0.1	4.66	302
180970057	2013	1	14	7	V	0.05	0	4.51	309
180970057	2013	1	14	8	V	0.2	0.2	3.52	314
180970057	2013	1	14	9	V	0.5	0.1	3.71	310
180970057	2013	1	14	10	V	0.6	0.1	3.58	337
180970057	2013	1	14	11	V	1.4	0.7	2.44	357
180970057	2013	1	14	12	V	11.4	2.9	1.89	33
180970057	2013	1	14	13	V	1.0	8.3	1.76	317
180970057	2013	1	14	14	V	0.2	0.9	2.78	313
180970057	2013	1	14	15	V	0.1	0.5	3.81	324
180970057	2013	1	14	16	V	0.07	0.4	3.63	327
180970057	2013	1	14	17	V	0.07	0.3	4	331
180970057	2013	1	14	18	V	0.07	0.3	3.27	357
180970057	2013	1	14	19	V	0.06	0.2	3.73	10
180970057	2013	1	14	20	V	0.08	0.3	3.39	13
180970057	2013	1	14	21	V	0.06	0.5	3.4	24
180970057	2013	1	14	22	V	0.06	0.4	3.35	10
180970057	2013	1	14	23	V	0.07	0.3	3.87	20
180970057	2013	1	14	24	V	0.07	0.2	3.39	12
180970057	2013	1	15	1	V	0.07	0.3	3.2	23
180970057	2013	1	15	2	V	0.06	1.4	3.07	10
180970057	2013	1	15	3	V	0.05	1	3.39	13
180970057	2013	1	15	4	V	0.04	1.1	3.92	14
180970057	2013	1	15	5	V	0.04	0.4	3.68	12
180970057	2013	1	15	6	V	0.04	0.3	3.8	16
180970057	2013	1	15	7	V	0.1	0.8	3.95	34
180970057	2013	1	15	8	V	13.5	4.4	4.26	46
180970057	2013	1	15	9	V	11.8	7.5	4.39	43
180970057	2013	1	15	10	V	9.8	3.8	4.88	53
180970057	2013	1	15	11	V	11.9	7.1	4.85	50
180970057	2013	1	15	12	V	7.1	2.3	5.22	56
180970057	2013	1	15	13	V	7.0	2.1	5.46	56
180970057	2013	1	15	14	V	9.0	1.6	5.22	54

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	15	15	V	0.5	1.8	4.19	62
180970057	2013	1	15	16	V	0.09	2.3	4.03	68
180970057	2013	1	15	17	V	0.09	1	4.05	73
180970057	2013	1	15	18	V	1.3	1.1	4.03	57
180970057	2013	1	15	19	V	3.6	1.8	3.97	41
180970057	2013	1	15	20	V	6.1	2.5	4.1	45
180970057	2013	1	15	21	V	0.6	2.2	4.49	36
180970057	2013	1	15	22	V	5.6	2.3	3.97	44
180970057	2013	1	15	23	V	4.1	3.1	3.59	51
180970057	2013	1	15	24	V	1.0	3	3.25	41
180970057	2013	1	16	1	V	8.1	3.8	2.05	40
180970057	2013	1	16	2	V	0.8	1.3	1.25	344
180970057	2013	1	16	3	V	0.2	0.9	1.82	12
180970057	2013	1	16	4	V	0.1	0.8	1.93	354
180970057	2013	1	16	5	V	0.2	0.8	1.82	331
180970057	2013	1	16	6	V	0.2	0.7	1.96	308
180970057	2013	1	16	7	V	0.4	0.8	1.69	302
180970057	2013	1	16	8	V	0.4	0.7	1.72	283
180970057	2013	1	16	9	V	0.8	0.9	2.66	248
180970057	2013	1	16	10	V	0.8	1.3	3.69	245
180970057	2013	1	16	11	V	0.2	1.2	5.09	270
180970057	2013	1	16	12	V	0.4	1.5	4.09	261
180970057	2013	1	16	13	V	0.5	1.9	4.2	241
180970057	2013	1	16	14	V	0.2	2.1	5.14	234
180970057	2013	1	16	15	V	0.2	1.4	5.33	223
180970057	2013	1	16	16	V	0.3	3.4	5.5	228
180970057	2013	1	16	17	V	0.1	2.5	5.65	223
180970057	2013	1	16	18	V	0.07	4.5	5.05	219
180970057	2013	1	16	19	V	0.08	5.3	3.93	214
180970057	2013	1	16	20	V	0.2	2.3	4.63	226
180970057	2013	1	16	21	V	0.3	2.2	6.14	235
180970057	2013	1	16	22	V	0.3	1.9	6.01	235
180970057	2013	1	16	23	V	0.4	1.6	5.05	235
180970057	2013	1	16	24	V	0.5	1.5	3.76	235
180970057	2013	1	17	1	V	0.2	1.5	3.56	240
180970057	2013	1	17	2	V	0.7	1.4	2.83	259
180970057	2013	1	17	3	V	0.3	1.5	2.54	248
180970057	2013	1	17	4	V	0.1	1.3	2.64	232
180970057	2013	1	17	5	V	0.3	1.5	2.37	244
180970057	2013	1	17	6	V	0.2	1.6	2.47	239
180970057	2013	1	17	7	V	1.0	1.9	1.84	263
180970057	2013	1	17	8	V	0.6	2	1.4	285
180970057	2013	1	17	9	V	1.1	2	2.1	325
180970057	2013	1	17	10	V	0.4	1.6	3.73	342
180970057	2013	1	17	11	V	0.2	2.2	4.7	344
180970057	2013	1	17	12	V	0.2	2.7	4.49	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	17	13	V	0.2	2.1	4.1	339
180970057	2013	1	17	14	V	0.08	1.8	5.84	329
180970057	2013	1	17	15	V	0.04	1.3	7.54	326
180970057	2013	1	17	16	V	0.01	1.9	8.37	329
180970057	2013	1	17	17	V	0.01	2.2	7.88	326
180970057	2013	1	17	18	V	0.01	1.1	7.09	326
180970057	2013	1	17	19	V	0.02	1.3	6.04	338
180970057	2013	1	17	20	V	0.05	1.6	4.24	342
180970057	2013	1	17	21	V	0.05	1.2	4.1	341
180970057	2013	1	17	22	V	0.05	0.8	4.12	355
180970057	2013	1	17	23	V	0.05	0.6	4.2	346
180970057	2013	1	17	24	V	0.1	0.6	2.18	332
180970057	2013	1	18	1	V	0.9	0.6	1.28	283
180970057	2013	1	18	2	V	1.3	0.6	1.33	268
180970057	2013	1	18	3	V	0.8	0.6	1.59	253
180970057	2013	1	18	4	V	0.1	0.6	2.22	226
180970057	2013	1	18	5	V	0.09	0.5	2.55	220
180970057	2013	1	18	6	V	0.06	0.7	2.91	222
180970057	2013	1	18	7	V	0.1	0.7	2.35	224
180970057	2013	1	18	8	V	53.6	1.3	1.86	194
180970057	2013	1	18	9	V	56.9	1.8	1.84	200
180970057	2013	1	18	10	V	62.4	3.3	2.59	197
180970057	2013	1	18	11	V	46.6	5.4	4.53	195
180970057	2013	1	18	12	V	38.0	8.2	5.44	196
180970057	2013	1	18	13	V	32.1	-999	6.18	188
180970057	2013	1	18	14	V	40.5	29.5	6.91	190
180970057	2013	1	18	15	V	41.5	27.5	8.44	195
180970057	2013	1	18	16	V	13.1	26.1	8.78	192
180970057	2013	1	18	17	V	3.7	26.3	7.2	185
180970057	2013	1	18	18	V	1.3	20.2	6.96	182
180970057	2013	1	18	19	V	1.1	4.7	7.14	182
180970057	2013	1	18	20	V	6.4	42	7.03	187
180970057	2013	1	18	21	V	12.7	71.1	7.23	193
180970057	2013	1	18	22	V	5.7	51.1	8.91	199
180970057	2013	1	18	23	V	2.6	9.6	8.79	201
180970057	2013	1	18	24	V	0.5	5.7	7.88	205
180970057	2013	1	19	1	V	0.3	4.6	7.26	206
180970057	2013	1	19	2	V	0.04	3.7	7.43	213
180970057	2013	1	19	3	V	0.01	4.5	7.5	221
180970057	2013	1	19	4	V	0.02	3.2	8.54	223
180970057	2013	1	19	5	V	0.02	2.8	9.49	225
180970057	2013	1	19	6	V	0.01	2.5	8.64	221
180970057	2013	1	19	7	V	0.02	2.6	8.37	217
180970057	2013	1	19	8	V	0.1	2.7	7.4	215
180970057	2013	1	19	9	V	1.2	3.3	6.7	210
180970057	2013	1	19	10	V	2.2	3.8	7.47	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	19	11	V	0.4	4.2	8.13	213
180970057	2013	1	19	12	V	0.5	3.9	8.79	212
180970057	2013	1	19	13	V	0.07	3.4	9.1	221
180970057	2013	1	19	14	V	0.07	3.2	10.19	226
180970057	2013	1	19	15	V	0.04	2.9	11.38	222
180970057	2013	1	19	16	V	0.05	2.9	10.32	222
180970057	2013	1	19	17	V	0.03	2.9	10.1	219
180970057	2013	1	19	18	V	0.2	2.5	9.95	230
180970057	2013	1	19	19	V	0.04	2.3	9.59	222
180970057	2013	1	19	20	V	0.02	2.1	9.64	217
180970057	2013	1	19	21	V	0.2	1.7	9.76	230
180970057	2013	1	19	22	V	0.3	1.6	9.08	235
180970057	2013	1	19	23	V	0.3	-999	8.2	236
180970057	2013	1	19	24	V	0.5	1	7.86	242
180970057	2013	1	20	1	V	0.3	0.9	6.79	247
180970057	2013	1	20	2	V	0.4	0.9	8.69	270
180970057	2013	1	20	3	V	0.02	0.7	9.24	289
180970057	2013	1	20	4	V	0.01	0.5	10.39	299
180970057	2013	1	20	5	V	0.01	0.2	9.8	297
180970057	2013	1	20	6	V	0.01	0.2	8.45	298
180970057	2013	1	20	7	V	0.01	0.1	8.3	298
180970057	2013	1	20	8	V	0.07	0.1	8.56	305
180970057	2013	1	20	9	V	0.06	0.1	8.57	300
180970057	2013	1	20	10	V	0.07	0.2	8.15	303
180970057	2013	1	20	11	V	0.07	0.2	6.77	309
180970057	2013	1	20	12	V	0.2	0.2	4.36	314
180970057	2013	1	20	13	V	0.2	0.2	4.44	296
180970057	2013	1	20	14	V	0.1	0.3	4.05	285
180970057	2013	1	20	15	V	0.1	0.2	3.9	291
180970057	2013	1	20	16	V	0.06	0.3	4.66	300
180970057	2013	1	20	17	V	0.03	0.3	5.63	304
180970057	2013	1	20	18	V	0.07	0.2	4.53	293
180970057	2013	1	20	19	V	0.07	0.2	4.6	298
180970057	2013	1	20	20	V	0.08	0.1	4.34	292
180970057	2013	1	20	21	V	0.09	0.1	3.85	289
180970057	2013	1	20	22	V	0.07	0.2	4.7	304
180970057	2013	1	20	23	V	0.06	0.3	4.94	297
180970057	2013	1	20	24	V	0.06	0.3	4.25	295
180970057	2013	1	21	1	V	0.05	0.2	5.36	289
180970057	2013	1	21	2	V	0.05	0.2	4.23	299
180970057	2013	1	21	3	V	0.1	0.1	4.8	284
180970057	2013	1	21	4	V	0.04	0.2	5.1	296
180970057	2013	1	21	5	V	0.02	0.1	6.04	301
180970057	2013	1	21	6	V	0.04	0.1	5.85	289
180970057	2013	1	21	7	V	0.2	0.1	6.18	282
180970057	2013	1	21	8	V	0.4	0.1	6.46	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	21	9	V	0.1	0.3	7.48	266
180970057	2013	1	21	10	V	0.1	0.2	10	267
180970057	2013	1	21	11	V	0.07	0.2	9.73	281
180970057	2013	1	21	12	V	0.07	0.2	9.88	282
180970057	2013	1	21	13	V	0.09	0.2	10.39	278
180970057	2013	1	21	14	V	0.06	0.4	9.24	285
180970057	2013	1	21	15	V	0.05	0.5	9.51	291
180970057	2013	1	21	16	V	0.08	0.3	10.09	284
180970057	2013	1	21	17	V	0.06	0.2	9.34	285
180970057	2013	1	21	18	V	0.2	0.1	8.28	280
180970057	2013	1	21	19	V	0.03	0.2	7.42	288
180970057	2013	1	21	20	V	0.03	0.2	7.06	288
180970057	2013	1	21	21	V	0.3	0.2	6.41	277
180970057	2013	1	21	22	V	0.4	0.2	6.67	276
180970057	2013	1	21	23	V	0.3	0.2	7.18	278
180970057	2013	1	21	24	V	0.09	0.3	7.72	284
180970057	2013	1	22	1	V	0.02	0.3	7.16	294
180970057	2013	1	22	2	V	0.02	0.3	6.53	300
180970057	2013	1	22	3	V	0.01	0.2	6.55	297
180970057	2013	1	22	4	V	0.02	0.2	5.72	291
180970057	2013	1	22	5	V	0.02	0.4	6.21	294
180970057	2013	1	22	6	V	0.02	0.3	5.73	296
180970057	2013	1	22	7	V	0.05	0.2	4.75	298
180970057	2013	1	22	8	V	0.2	0.3	4.66	295
180970057	2013	1	22	9	V	0.1	0.3	4.9	291
180970057	2013	1	22	10	V	0.1	0.3	5.6	291
180970057	2013	1	22	11	V	0.2	0.4	5.34	292
180970057	2013	1	22	12	V	0.2	0.4	4.85	282
180970057	2013	1	22	13	V	0.2	0.4	4.73	291
180970057	2013	1	22	14	V	0.2	0.4	5.21	280
180970057	2013	1	22	15	V	0.2	0.4	6.06	261
180970057	2013	1	22	16	V	0.5	0.8	6.36	273
180970057	2013	1	22	17	V	0.6	0.5	6.4	266
180970057	2013	1	22	18	V	0.6	0.7	6.26	247
180970057	2013	1	22	19	V	0.6	0.7	5.39	253
180970057	2013	1	22	20	V	0.7	1	5.14	253
180970057	2013	1	22	21	V	0.6	1.4	5.11	265
180970057	2013	1	22	22	V	0.5	1	5.65	273
180970057	2013	1	22	23	V	0.5	0.9	5.82	271
180970057	2013	1	22	24	V	0.2	1	4.99	283
180970057	2013	1	23	1	V	0.5	1	4.8	275
180970057	2013	1	23	2	V	0.6	0.6	4.34	267
180970057	2013	1	23	3	V	0.4	0.5	3.78	279
180970057	2013	1	23	4	V	0.5	0.5	2.44	269
180970057	2013	1	23	5	V	0.5	0.5	2.25	254
180970057	2013	1	23	6	V	0.3	0.6	2.16	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	23	7	V	0.8	0.8	2.52	261
180970057	2013	1	23	8	V	0.9	1.5	2.28	264
180970057	2013	1	23	9	V	1.3	1.4	2.13	248
180970057	2013	1	23	10	V	1.7	2.2	2.81	220
180970057	2013	1	23	11	V	43.4	1.8	3.69	202
180970057	2013	1	23	12	V	0.2	4.4	3.95	214
180970057	2013	1	23	13	V	0.3	12.7	4.02	211
180970057	2013	1	23	14	V	0.05	11.1	4.02	215
180970057	2013	1	23	15	V	0.2	8.3	4.44	220
180970057	2013	1	23	16	V	0.1	6	2.61	215
180970057	2013	1	23	17	V	8.5	5.4	1.3	210
180970057	2013	1	23	18	V	11.6	5.1	0.63	98
180970057	2013	1	23	19	V	5.2	4.2	0.84	89
180970057	2013	1	23	20	V	0.4	6.9	1.76	148
180970057	2013	1	23	21	V	20.0	4.8	2.67	184
180970057	2013	1	23	22	V	0.2	3.4	2.5	212
180970057	2013	1	23	23	V	0.7	2.9	2.91	252
180970057	2013	1	23	24	V	0.01	2.8	7.14	323
180970057	2013	1	24	1	V	0.02	1.4	8.05	333
180970057	2013	1	24	2	V	0.02	0.8	8.37	332
180970057	2013	1	24	3	V	0.02	0.6	6.7	323
180970057	2013	1	24	4	V	0.02	0.6	6.77	330
180970057	2013	1	24	5	V	0.03	0.5	5.82	327
180970057	2013	1	24	6	V	0.06	0.5	4.65	336
180970057	2013	1	24	7	V	0.05	0.5	4.46	329
180970057	2013	1	24	8	V	0.4	0.5	4.02	321
180970057	2013	1	24	9	V	0.1	0.6	3.69	324
180970057	2013	1	24	10	V	0.3	0.7	3.39	333
180970057	2013	1	24	11	V	0.3	1	3.08	4
180970057	2013	1	24	12	V	3.8	4.4	3.59	34
180970057	2013	1	24	13	V	10.5	3.7	3.79	52
180970057	2013	1	24	14	V	10.9	5.5	3.35	46
180970057	2013	1	24	15	V	0.5	1.8	3.29	62
180970057	2013	1	24	16	V	0.06	0.8	3.06	76
180970057	2013	1	24	17	V	0.09	1	3.34	86
180970057	2013	1	24	18	V	0.09	0.8	3.34	91
180970057	2013	1	24	19	V	0.07	0.7	3.54	94
180970057	2013	1	24	20	V	0.07	0.8	4.87	90
180970057	2013	1	24	21	V	0.08	0.8	4.63	94
180970057	2013	1	24	22	V	0.05	1.3	5.27	111
180970057	2013	1	24	23	V	0.03	1.6	5.75	110
180970057	2013	1	24	24	V	0.04	1.5	5.65	115
180970057	2013	1	25	1	V	0.02	3.2	6.43	116
180970057	2013	1	25	2	V	0.05	3.9	4.63	127
180970057	2013	1	25	3	V	0.03	8.6	5.34	125
180970057	2013	1	25	4	V	0.05	12.1	4.6	116

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	25	5	V	0.03	11.5	5.67	116
180970057	2013	1	25	6	V	0.02	7.3	6.13	126
180970057	2013	1	25	7	V	0.03	4.5	6.19	133
180970057	2013	1	25	8	V	0.2	1	3.91	130
180970057	2013	1	25	9	V	0.5	1	2.79	121
180970057	2013	1	25	10	V	0.8	2	2.61	132
180970057	2013	1	25	11	V	2.7	2.6	2.27	161
180970057	2013	1	25	12	V	60.3	5.6	2.56	194
180970057	2013	1	25	13	V	0.3	4.5	3.75	235
180970057	2013	1	25	14	V	0.4	4	4.37	243
180970057	2013	1	25	15	V	0.8	3.6	4.46	256
180970057	2013	1	25	16	V	0.9	3.4	4.88	246
180970057	2013	1	25	17	V	0.6	3.1	5.5	251
180970057	2013	1	25	18	V	0.6	2.9	4.9	238
180970057	2013	1	25	19	V	0.1	3.1	4.46	222
180970057	2013	1	25	20	V	0.09	1.5	3.25	210
180970057	2013	1	25	21	V	5.2	1.4	2.95	203
180970057	2013	1	25	22	V	3.1	2.5	3.4	203
180970057	2013	1	25	23	V	0.09	1.8	2.89	215
180970057	2013	1	25	24	V	0.7	1.9	3.52	257
180970057	2013	1	26	1	V	0.2	1.3	3.4	281
180970057	2013	1	26	2	V	0.5	0.9	3.13	265
180970057	2013	1	26	3	V	0.6	0.8	2.83	256
180970057	2013	1	26	4	V	0.3	0.8	2.89	252
180970057	2013	1	26	5	V	0.7	0.7	2.86	264
180970057	2013	1	26	6	V	0.1	0.6	2.59	302
180970057	2013	1	26	7	V	0.09	0.5	2.66	313
180970057	2013	1	26	8	V	0.5	0.5	2.64	295
180970057	2013	1	26	9	V	0.5	0.8	3.13	290
180970057	2013	1	26	10	V	0.3	1.3	4.02	322
180970057	2013	1	26	11	V	0.2	1.6	4.44	336
180970057	2013	1	26	12	V	0.7	1.6	2.91	335
180970057	2013	1	26	13	V	1.5	1.6	1.96	4
180970057	2013	1	26	14	V	2.7	1.3	1.57	15
180970057	2013	1	26	15	V	0.3	1.4	1.67	311
180970057	2013	1	26	16	V	0.6	1.2	1.53	287
180970057	2013	1	26	17	V	1.2	1.3	1.72	273
180970057	2013	1	26	18	V	0.2	1	2.22	318
180970057	2013	1	26	19	V	0.1	0.7	2.66	351
180970057	2013	1	26	20	V	0.1	0.5	2.83	60
180970057	2013	1	26	21	V	0.06	0.5	3.1	84
180970057	2013	1	26	22	V	0.09	0.4	2.74	72
180970057	2013	1	26	23	V	0.09	0.5	2.84	96
180970057	2013	1	26	24	V	0.05	0.7	3.91	100
180970057	2013	1	27	1	V	0.04	0.9	3.73	114
180970057	2013	1	27	2	V	0.04	0.8	3.76	110

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	27	3	V	0.05	1	3.34	107
180970057	2013	1	27	4	V	0.04	0.9	3.24	119
180970057	2013	1	27	5	V	0.04	0.9	3.57	110
180970057	2013	1	27	6	V	0.04	2.3	4.02	105
180970057	2013	1	27	7	V	0.07	3.4	3.95	108
180970057	2013	1	27	8	V	0.3	3.4	3.3	115
180970057	2013	1	27	9	V	0.2	6.1	4.51	109
180970057	2013	1	27	10	V	0.2	5.3	4.34	133
180970057	2013	1	27	11	V	0.2	5.2	4.42	128
180970057	2013	1	27	12	V	0.2	5.6	4.36	128
180970057	2013	1	27	13	V	0.2	6.4	4.66	128
180970057	2013	1	27	14	V	0.2	5.2	4.99	120
180970057	2013	1	27	15	V	0.09	4.3	5.5	126
180970057	2013	1	27	16	V	0.04	3.4	5.58	134
180970057	2013	1	27	17	V	0.04	3.4	5.45	131
180970057	2013	1	27	18	V	0.03	2.8	6.13	137
180970057	2013	1	27	19	V	0.05	2.1	5.17	144
180970057	2013	1	27	20	V	0.09	1.3	3.85	132
180970057	2013	1	27	21	V	0.07	0.9	4.88	123
180970057	2013	1	27	22	V	0.05	0.5	5.31	140
180970057	2013	1	27	23	V	0.03	0.4	6.16	142
180970057	2013	1	27	24	V	0.08	0.4	4.14	156
180970057	2013	1	28	1	V	0.07	0.3	2.79	169
180970057	2013	1	28	2	V	0.05	0.2	4.42	148
180970057	2013	1	28	3	V	0.06	0.2	3.03	160
180970057	2013	1	28	4	V	0.07	0.2	3.17	171
180970057	2013	1	28	5	V	0.07	0.3	2.62	152
180970057	2013	1	28	6	V	0.1	0.3	5.04	174
180970057	2013	1	28	7	V	0.3	0.5	3.83	210
180970057	2013	1	28	8	V	0.05	0.4	7.3	225
180970057	2013	1	28	9	V	0.09	0.4	7.28	219
180970057	2013	1	28	10	V	0.1	0.7	6.87	215
180970057	2013	1	28	11	V	0.1	1.1	6.77	216
180970057	2013	1	28	12	V	0.2	1.3	6.84	214
180970057	2013	1	28	13	V	0.1	1.4	6.58	216
180970057	2013	1	28	14	V	0.2	1.5	5.72	216
180970057	2013	1	28	15	V	0.3	1.2	5.16	215
180970057	2013	1	28	16	V	0.1	0.8	5.33	214
180970057	2013	1	28	17	V	0.2	0.6	5.11	211
180970057	2013	1	28	18	V	0.9	0.4	4.2	209
180970057	2013	1	28	19	V	82.0	0.5	3.59	194
180970057	2013	1	28	20	V	13.6	0.8	3.76	183
180970057	2013	1	28	21	V	26.5	1.3	3.68	185
180970057	2013	1	28	22	V	72.0	0.8	3.76	194
180970057	2013	1	28	23	V	43.3	0.6	3.97	188
180970057	2013	1	28	24	V	44.3	1.7	4.51	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	29	1	V	45.0	5.2	4.68	190
180970057	2013	1	29	2	V	6.4	12.1	4.9	182
180970057	2013	1	29	3	V	3.0	3.2	4.58	179
180970057	2013	1	29	4	V	25.8	4.4	4.83	186
180970057	2013	1	29	5	V	7.8	4.6	5.39	183
180970057	2013	1	29	6	V	16.8	7.8	6.89	196
180970057	2013	1	29	7	V	18.4	37.3	8.73	194
180970057	2013	1	29	8	V	42.0	34.1	8.42	192
180970057	2013	1	29	9	V	42.2	41.6	7.65	193
180970057	2013	1	29	10	V	36.8	15.6	7.18	190
180970057	2013	1	29	11	V	26.8	30.6	8.57	198
180970057	2013	1	29	12	V	36.3	27.7	8.35	195
180970057	2013	1	29	13	V	27.3	12.9	8.16	198
180970057	2013	1	29	14	V	50.9	40	8.74	193
180970057	2013	1	29	15	V	21.8	28.9	8.22	186
180970057	2013	1	29	16	V	1.3	8.7	7.91	179
180970057	2013	1	29	17	V	0.2	4.5	8.18	175
180970057	2013	1	29	18	V	0.4	2.9	8.96	176
180970057	2013	1	29	19	V	0.7	2	8.91	177
180970057	2013	1	29	20	V	0.05	1.5	7.91	172
180970057	2013	1	29	21	V	0.1	1.2	8.57	174
180970057	2013	1	29	22	V	2.0	1.4	10.73	177
180970057	2013	1	29	23	V	0.2	1.3	10.8	172
180970057	2013	1	29	24	V	0.6	1.2	11.96	174
180970057	2013	1	30	1	V	0.9	0.9	13.13	175
180970057	2013	1	30	2	V	0.2	2.7	12.59	273
180970057	2013	1	30	3	V	0.01	0.1	6.16	328
180970057	2013	1	30	4	V	0.06	0	2.45	351
180970057	2013	1	30	5	V	0.8	0	2.22	259
180970057	2013	1	30	6	V	0.06	0	3.18	139
180970057	2013	1	30	7	V	0.05	0	4.99	141
180970057	2013	1	30	8	V	0.09	0	6.31	142
180970057	2013	1	30	9	V	0.1	0	6.38	162
180970057	2013	1	30	10	V	36.7	4.8	5.04	189
180970057	2013	1	30	11	V	19.4	4.2	7.25	200
180970057	2013	1	30	12	V	0.1	1.6	7.89	214
180970057	2013	1	30	13	V	0.6	1.6	8.42	210
180970057	2013	1	30	14	V	2.8	1.1	7.57	207
180970057	2013	1	30	15	V	0.3	1	8.62	211
180970057	2013	1	30	16	V	0.3	0.1	10.49	273
180970057	2013	1	30	17	V	0.4	0.2	10.58	262
180970057	2013	1	30	18	V	0.4	0	11.45	263
180970057	2013	1	30	19	V	0.4	0	12.42	262
180970057	2013	1	30	20	V	0.3	0	11.84	270
180970057	2013	1	30	21	V	0.4	0	11.33	265
180970057	2013	1	30	22	V	0.3	0	11.46	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	1	30	23	V	0.3	-999	12.19	272
180970057	2013	1	30	24	V	0.3	-999	13.03	267
180970057	2013	1	31	1	V	0.3	0	12.52	270
180970057	2013	1	31	2	V	0.3	0	12.21	268
180970057	2013	1	31	3	V	0.3	0	11.31	270
180970057	2013	1	31	4	V	0.3	0	11.6	268
180970057	2013	1	31	5	V	0.3	0	11.29	270
180970057	2013	1	31	6	V	0.3	0	11.68	269
180970057	2013	1	31	7	V	0.3	0	10.22	270
180970057	2013	1	31	8	V	0.6	0	8.2	262
180970057	2013	1	31	9	V	0.3	0	7.11	246
180970057	2013	1	31	10	V	0.2	0	8.18	235
180970057	2013	1	31	11	V	0.2	0	9.44	248
180970057	2013	1	31	12	V	0.2	0	10.1	254
180970057	2013	1	31	13	V	0.2	0	9.08	260
180970057	2013	1	31	14	V	0.2	0	8.62	262
180970057	2013	1	31	15	V	0.4	0	8.52	273
180970057	2013	1	31	16	V	0.7	0	7.59	260
180970057	2013	1	31	17	V	0.5	0	7.59	268
180970057	2013	1	31	18	V	0.2	0	8.2	281
180970057	2013	1	31	19	V	0.03	0	9.25	290
180970057	2013	1	31	20	V	0.02	0	9.66	299
180970057	2013	1	31	21	V	0.02	0	9.64	304
180970057	2013	1	31	22	V	0.02	0	9.95	298
180970057	2013	1	31	23	V	0.02	0	9.47	301
180970057	2013	1	31	24	V	0.02	0	10.77	300
180970057	2013	2	1	1	V	0.02	0	10	294
180970057	2013	2	1	2	V	0.06	0	9.2	286
180970057	2013	2	1	3	V	0.08	0	8.52	285
180970057	2013	2	1	4	V	0.05	0	8.15	287
180970057	2013	2	1	5	V	0.08	0	8.44	285
180970057	2013	2	1	6	V	0.1	0	7.25	284
180970057	2013	2	1	7	V	0.2	0	7.3	280
180970057	2013	2	1	8	V	0.2	0	5.84	276
180970057	2013	2	1	9	V	0.2	0	4.75	281
180970057	2013	2	1	10	V	0.2	0.1	6.58	273
180970057	2013	2	1	11	V	0.2	0.1	6.75	267
180970057	2013	2	1	12	V	0.3	0.4	5.85	254
180970057	2013	2	1	13	V	0.5	0.3	5.87	243
180970057	2013	2	1	14	V	0.3	0.3	6.28	248
180970057	2013	2	1	15	V	0.6	0.6	6.74	237
180970057	2013	2	1	16	V	0.7	2.1	5.92	240
180970057	2013	2	1	17	V	0.3	0.9	5.97	231
180970057	2013	2	1	18	V	0.3	0.3	6.28	233
180970057	2013	2	1	19	V	0.1	0	4.53	212
180970057	2013	2	1	20	V	76.1	0.7	3.46	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	1	21	V	3.8	0.8	4.14	204
180970057	2013	2	1	22	V	11.1	1.4	5.29	202
180970057	2013	2	1	23	V	3.7	2.4	5.26	205
180970057	2013	2	1	24	V	36.4	4.5	4.88	198
180970057	2013	2	2	1	V	47.2	3.8	4.73	197
180970057	2013	2	2	2	V	54.6	7.4	4.22	189
180970057	2013	2	2	3	V	58.4	8.1	4	191
180970057	2013	2	2	4	V	45.2	2.7	4.07	197
180970057	2013	2	2	5	V	97.7	1.8	2.57	194
180970057	2013	2	2	6	V	0.09	0.9	3.71	158
180970057	2013	2	2	7	V	0.08	1	4.56	165
180970057	2013	2	2	8	V	4.7	1.5	5.53	178
180970057	2013	2	2	9	V	17.9	3.9	4.49	182
180970057	2013	2	2	10	V	49.4	4	4.63	196
180970057	2013	2	2	11	V	0.3	3.3	5.34	216
180970057	2013	2	2	12	V	0.2	4.7	6.77	229
180970057	2013	2	2	13	V	0.3	2.8	5.97	235
180970057	2013	2	2	14	V	0.3	2	6.57	247
180970057	2013	2	2	15	V	0.8	1.6	6.36	254
180970057	2013	2	2	16	V	0.7	1.7	5.46	252
180970057	2013	2	2	17	V	0.7	1.5	4.9	253
180970057	2013	2	2	18	V	0.5	1	5.94	275
180970057	2013	2	2	19	V	0.5	0.6	5.1	276
180970057	2013	2	2	20	V	0.7	0.4	4.1	272
180970057	2013	2	2	21	V	0.1	0.3	5.51	285
180970057	2013	2	2	22	V	0.02	0.1	7.62	302
180970057	2013	2	2	23	V	0.03	-999	6.64	295
180970057	2013	2	2	24	V	0.3	0.1	6.29	279
180970057	2013	2	3	1	V	0.2	0	5.05	282
180970057	2013	2	3	2	V	0.6	0	3.52	277
180970057	2013	2	3	3	V	0.7	0	3.15	274
180970057	2013	2	3	4	V	1.1	0	2.54	274
180970057	2013	2	3	5	V	0.6	0	3.3	269
180970057	2013	2	3	6	V	0.7	0	2.93	275
180970057	2013	2	3	7	V	0.7	0	3.4	270
180970057	2013	2	3	8	V	0.9	0	4.09	256
180970057	2013	2	3	9	V	0.5	0	3.95	260
180970057	2013	2	3	10	V	0.7	0.1	3.32	268
180970057	2013	2	3	11	V	0.9	0.4	3.07	269
180970057	2013	2	3	12	V	1.0	0.8	2.89	273
180970057	2013	2	3	13	V	0.4	0.8	4.63	265
180970057	2013	2	3	14	V	0.2	0.8	5.85	269
180970057	2013	2	3	15	V	0.4	0.6	6.47	277
180970057	2013	2	3	16	V	0.2	0.5	7.2	281
180970057	2013	2	3	17	V	0.1	0.3	8.47	284
180970057	2013	2	3	18	V	0.03	0.1	6.99	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	3	19	V	0.6	0	4.29	267
180970057	2013	2	3	20	V	1.0	0	3.51	246
180970057	2013	2	3	21	V	0.2	0	3.52	223
180970057	2013	2	3	22	V	0.2	0	3.83	224
180970057	2013	2	3	23	V	0.4	0	3.39	228
180970057	2013	2	3	24	V	0.6	0.1	3.69	238
180970057	2013	2	4	1	V	0.1	0.3	3.23	229
180970057	2013	2	4	2	V	1.0	1	2.5	207
180970057	2013	2	4	3	V	0.5	2.4	2.18	210
180970057	2013	2	4	4	V	110.1	5.7	1.96	196
180970057	2013	2	4	5	V	0.09	1.7	2.89	135
180970057	2013	2	4	6	V	0.09	0.8	3.66	146
180970057	2013	2	4	7	V	0.1	0.5	4.19	149
180970057	2013	2	4	8	V	0.2	0.6	4.44	149
180970057	2013	2	4	9	V	0.4	0.5	3.35	149
180970057	2013	2	4	10	V	0.3	0.7	4.26	160
180970057	2013	2	4	11	V	0.6	1.6	3.3	155
180970057	2013	2	4	12	V	17.4	6.3	2.54	174
180970057	2013	2	4	13	V	1.0	9.1	2.84	234
180970057	2013	2	4	14	V	1.1	2.8	5.41	211
180970057	2013	2	4	15	V	2.2	2.4	6.48	208
180970057	2013	2	4	16	V	0.09	3.1	5.05	218
180970057	2013	2	4	17	V	0.8	3.6	4.63	242
180970057	2013	2	4	18	V	1.3	2	2.21	242
180970057	2013	2	4	19	V	80.2	1.1	1.42	201
180970057	2013	2	4	20	V	0.3	1.1	1.93	297
180970057	2013	2	4	21	V	0.09	1.1	4.32	334
180970057	2013	2	4	22	V	0.04	1.3	5.21	350
180970057	2013	2	4	23	V	0.09	1.1	3.13	4
180970057	2013	2	4	24	V	0.1	1	4	356
180970057	2013	2	5	1	V	0.09	0.8	3.34	359
180970057	2013	2	5	2	V	0.07	0.8	3.37	360
180970057	2013	2	5	3	V	0.06	0.8	4.58	344
180970057	2013	2	5	4	V	0.07	0.6	3.17	339
180970057	2013	2	5	5	V	0.1	0.4	2.18	346
180970057	2013	2	5	6	V	0.2	0.4	1.74	360
180970057	2013	2	5	7	V	0.9	0.4	1.38	315
180970057	2013	2	5	8	V	1.8	0.5	1.59	284
180970057	2013	2	5	9	V	40.0	0.6	0.53	234
180970057	2013	2	5	10	V	9.5	1.2	1.01	286
180970057	2013	2	5	11	V	74.3	2.2	2.49	198
180970057	2013	2	5	12	V	1.7	2.6	3.64	169
180970057	2013	2	5	13	V	0.1	6.9	4.39	172
180970057	2013	2	5	14	V	39.5	45	4.63	192
180970057	2013	2	5	15	V	35.0	26	5.53	196
180970057	2013	2	5	16	V	0.1	18.5	5.79	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	5	17	V	0.3	7	6.48	235
180970057	2013	2	5	18	V	0.7	4.3	5.53	263
180970057	2013	2	5	19	V	0.8	3.1	4.12	259
180970057	2013	2	5	20	V	1.0	3.3	2.84	247
180970057	2013	2	5	21	V	1.0	3.9	3.34	246
180970057	2013	2	5	22	V	0.2	2.7	4.44	283
180970057	2013	2	5	23	V	0.03	1.6	6.16	306
180970057	2013	2	5	24	V	0.02	0.7	6.43	308
180970057	2013	2	6	1	V	0.03	0.4	5.72	315
180970057	2013	2	6	2	V	0.03	0.3	5.89	312
180970057	2013	2	6	3	V	0.04	0.2	5.16	308
180970057	2013	2	6	4	V	0.07	0.1	4.13	339
180970057	2013	2	6	5	V	0.07	0.1	3.66	332
180970057	2013	2	6	6	V	0.08	0.2	2.57	299
180970057	2013	2	6	7	V	0.1	0.1	2.76	328
180970057	2013	2	6	8	V	0.6	0.1	2.04	336
180970057	2013	2	6	9	V	4.9	0.2	1.72	26
180970057	2013	2	6	10	V	8.7	1.1	2.54	58
180970057	2013	2	6	11	V	1.1	0.7	2.3	95
180970057	2013	2	6	12	V	1.6	1.3	2.49	116
180970057	2013	2	6	13	V	0.6	1.4	2.67	139
180970057	2013	2	6	14	V	0.2	1.5	3.81	167
180970057	2013	2	6	15	V	0.3	0.9	3.85	173
180970057	2013	2	6	16	V	0.1	1	3.39	159
180970057	2013	2	6	17	V	0.05	0.7	3.39	129
180970057	2013	2	6	18	V	0.05	0.1	3.47	139
180970057	2013	2	6	19	V	0.05	0	4.03	107
180970057	2013	2	6	20	V	0.05	0	3.63	113
180970057	2013	2	6	21	V	0.08	0	3.05	127
180970057	2013	2	6	22	V	0.2	0	1.98	120
180970057	2013	2	6	23	V	0.1	0.3	2.73	110
180970057	2013	2	6	24	V	0.09	0.8	3.15	111
180970057	2013	2	7	1	V	0.09	1.7	3.2	119
180970057	2013	2	7	2	V	0.09	2.1	2.81	128
180970057	2013	2	7	3	V	0.07	2.8	3.36	114
180970057	2013	2	7	4	V	0.1	2.4	2.49	118
180970057	2013	2	7	5	V	0.07	2.6	3.18	114
180970057	2013	2	7	6	V	0.08	2.2	3.51	119
180970057	2013	2	7	7	V	0.1	2.1	3.3	131
180970057	2013	2	7	8	V	0.3	3.3	3.17	105
180970057	2013	2	7	9	V	0.8	5.1	3.37	116
180970057	2013	2	7	10	V	0.4	7.1	4.2	136
180970057	2013	2	7	11	V	0.5	8.3	4.2	128
180970057	2013	2	7	12	V	0.9	7.8	3.57	127
180970057	2013	2	7	13	V	0.6	7.1	3.37	130
180970057	2013	2	7	14	V	0.8	6.8	2.55	119

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	7	15	V	0.3	6	2.81	133
180970057	2013	2	7	16	V	0.07	4.1	3.44	126
180970057	2013	2	7	17	V	0.03	3.5	4.87	125
180970057	2013	2	7	18	V	0.04	3.3	4.46	118
180970057	2013	2	7	19	V	0.06	2	4.43	134
180970057	2013	2	7	20	V	0.1	1.5	4.09	157
180970057	2013	2	7	21	V	0.09	1.4	3.71	163
180970057	2013	2	7	22	V	0.3	1	4.15	282
180970057	2013	2	7	23	V	0.07	0.5	3.23	294
180970057	2013	2	7	24	V	0.06	0.2	4.46	292
180970057	2013	2	8	1	V	0.02	0	6.57	296
180970057	2013	2	8	2	V	0.02	0	7.54	297
180970057	2013	2	8	3	V	0.02	0	6.96	302
180970057	2013	2	8	4	V	0.02	0.1	6.75	303
180970057	2013	2	8	5	V	0.01	0.1	8.06	306
180970057	2013	2	8	6	V	0.01	0.1	8.83	315
180970057	2013	2	8	7	V	0.02	0.2	8.35	315
180970057	2013	2	8	8	V	0.05	0.2	9.12	313
180970057	2013	2	8	9	V	0.05	0.2	7.54	317
180970057	2013	2	8	10	V	0.05	0.2	8.37	317
180970057	2013	2	8	11	V	0.06	0.2	7.62	315
180970057	2013	2	8	12	V	0.05	0.3	7.96	314
180970057	2013	2	8	13	V	0.04	0.4	7.94	314
180970057	2013	2	8	14	V	0.05	0.4	6.94	319
180970057	2013	2	8	15	V	0.03	0.3	6.8	314
180970057	2013	2	8	16	V	0.02	0.2	6.23	314
180970057	2013	2	8	17	V	0.02	0.2	5.58	314
180970057	2013	2	8	18	V	0.03	0.1	5.02	313
180970057	2013	2	8	19	V	0.03	0	5.41	319
180970057	2013	2	8	20	V	0.02	0.1	5.41	331
180970057	2013	2	8	21	V	0.04	0	4.48	331
180970057	2013	2	8	22	V	0.04	0	3.54	353
180970057	2013	2	8	23	V	0.06	0	4.15	5
180970057	2013	2	8	24	V	0.05	0	2.66	8
180970057	2013	2	9	1	V	0.1	0	2.25	31
180970057	2013	2	9	2	V	0.05	0	3.08	25
180970057	2013	2	9	3	V	0.08	0.1	2.35	20
180970057	2013	2	9	4	V	19.2	0.1	1.59	42
180970057	2013	2	9	5	V	31.5	0	1.06	53
180970057	2013	2	9	6	V	34.9	0.2	0.63	58
180970057	2013	2	9	7	V	0.3	0.1	1.52	98
180970057	2013	2	9	8	V	1.2	0.5	1.25	124
180970057	2013	2	9	9	V	5.7	0.6	0.94	131
180970057	2013	2	9	10	V	0.3	1	3.36	131
180970057	2013	2	9	11	V	0.3	0.8	3.36	141
180970057	2013	2	9	12	V	0.2	0.6	4.36	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	9	13	V	0.1	1.5	4.86	139
180970057	2013	2	9	14	V	0.1	1.6	4.86	146
180970057	2013	2	9	15	V	0.06	1	6.46	137
180970057	2013	2	9	16	V	0.04	1	4.36	118
180970057	2013	2	9	17	V	0.04	2.6	3.86	132
180970057	2013	2	9	18	V	0.03	4.9	4.86	127
180970057	2013	2	9	19	V	0.04	1.2	4.36	107
180970057	2013	2	9	20	V	0.03	1.3	3.36	109
180970057	2013	2	9	21	V	0.05	3.4	2.86	116
180970057	2013	2	9	22	V	0.04	3.7	2.86	135
180970057	2013	2	9	23	V	0.04	-999	4.36	125
180970057	2013	2	9	24	V	0.04	4.6	4.36	121
180970057	2013	2	10	1	V	0.04	3.9	3.86	135
180970057	2013	2	10	2	V	0.06	2.8	3.86	129
180970057	2013	2	10	3	V	0.06	1.9	2.86	150
180970057	2013	2	10	4	M	-999	1.5	3.36	999
180970057	2013	2	10	5	V	0.07	1.2	2.36	96
180970057	2013	2	10	6	V	0.05	1.4	3.36	125
180970057	2013	2	10	7	V	0.04	1.6	4.86	121
180970057	2013	2	10	8	V	0.07	1.6	5.96	129
180970057	2013	2	10	9	V	0.1	1.6	4.36	137
180970057	2013	2	10	10	V	0.08	1.3	5.96	130
180970057	2013	2	10	11	V	0.1	1.2	5.36	131
180970057	2013	2	10	12	V	0.1	2.1	5.36	152
180970057	2013	2	10	13	V	0.1	1.9	5.87	144
180970057	2013	2	10	14	V	0.09	1.3	5.75	162
180970057	2013	2	10	15	V	0.1	0.6	4.7	147
180970057	2013	2	10	16	V	0.03	0.2	5.75	150
180970057	2013	2	10	17	V	0.02	0.4	6.87	157
180970057	2013	2	10	18	V	0.02	0.3	8.18	155
180970057	2013	2	10	19	V	0.02	0.3	9.2	166
180970057	2013	2	10	20	V	0.8	0.3	9.39	178
180970057	2013	2	10	21	V	3.9	1.2	9.02	185
180970057	2013	2	10	22	V	2.1	2.3	8.35	183
180970057	2013	2	10	23	V	1.0	1	8.32	181
180970057	2013	2	10	24	V	4.6	2.6	7.84	186
180970057	2013	2	11	1	V	10.3	5.2	7.33	193
180970057	2013	2	11	2	V	0.06	1.8	8.35	212
180970057	2013	2	11	3	V	0.01	1.2	9.03	220
180970057	2013	2	11	4	V	0.01	1.1	9.88	224
180970057	2013	2	11	5	V	0.2	0.9	11.77	236
180970057	2013	2	11	6	V	0.5	0.4	9	253
180970057	2013	2	11	7	V	0.4	0.2	10.78	251
180970057	2013	2	11	8	V	0.1	0.1	11.67	250
180970057	2013	2	11	9	V	0.3	0.2	9.22	247
180970057	2013	2	11	10	V	0.3	0	9.97	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	11	11	V	0.1	0.1	11.72	253
180970057	2013	2	11	12	V	0.2	0.5	10.1	247
180970057	2013	2	11	13	V	0.2	0.3	10.05	254
180970057	2013	2	11	14	V	0.2	0.3	10.66	261
180970057	2013	2	11	15	V	0.2	0.4	11.68	261
180970057	2013	2	11	16	V	0.5	0.3	11.55	256
180970057	2013	2	11	17	V	0.6	0.2	9.25	258
180970057	2013	2	11	18	V	0.6	0.3	8.93	254
180970057	2013	2	11	19	V	0.7	0	8.2	260
180970057	2013	2	11	20	V	0.7	0	7.15	264
180970057	2013	2	11	21	V	0.8	0	4.53	261
180970057	2013	2	11	22	V	0.8	0	4.12	259
180970057	2013	2	11	23	V	0.7	0	4.76	264
180970057	2013	2	11	24	V	0.6	0	4.2	272
180970057	2013	2	12	1	V	0.5	0	3.52	268
180970057	2013	2	12	2	V	0.9	0	3.35	260
180970057	2013	2	12	3	V	0.6	0	4.05	268
180970057	2013	2	12	4	V	0.1	0	3.59	283
180970057	2013	2	12	5	V	0.4	0	4.22	278
180970057	2013	2	12	6	V	0.1	0	3.08	281
180970057	2013	2	12	7	V	1.1	0	2.32	275
180970057	2013	2	12	8	V	0.9	0	2.25	252
180970057	2013	2	12	9	V	0.8	0.2	2.37	228
180970057	2013	2	12	10	V	0.8	0.1	2.81	245
180970057	2013	2	12	11	V	2.6	0.2	1.57	271
180970057	2013	2	12	12	V	0.9	0.4	2.5	237
180970057	2013	2	12	13	V	0.8	0.4	2.55	255
180970057	2013	2	12	14	V	0.5	0.4	3.73	245
180970057	2013	2	12	15	V	0.3	0.4	4.75	235
180970057	2013	2	12	16	V	0.9	0.3	4.92	242
180970057	2013	2	12	17	V	0.8	0.4	4.48	250
180970057	2013	2	12	18	V	0.7	0.1	4.44	269
180970057	2013	2	12	19	V	0.04	0.1	3.35	293
180970057	2013	2	12	20	V	0.04	0	3.66	313
180970057	2013	2	12	21	V	0.04	0	3.15	310
180970057	2013	2	12	22	V	0.04	0	3.08	339
180970057	2013	2	12	23	V	0.05	0	2.81	350
180970057	2013	2	12	24	V	0.08	0	2.23	10
180970057	2013	2	13	1	V	0.05	0	2.64	14
180970057	2013	2	13	2	V	0.3	0	2.3	34
180970057	2013	2	13	3	V	0.05	0	2.62	13
180970057	2013	2	13	4	V	0.05	0	2.66	22
180970057	2013	2	13	5	V	0.08	0	2.47	31
180970057	2013	2	13	6	V	0.05	0	3.49	20
180970057	2013	2	13	7	V	0.06	0	4.29	11
180970057	2013	2	13	8	V	1.8	0	2.5	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	13	9	V	6.7	0	0.94	353
180970057	2013	2	13	10	V	2.2	0.1	1.81	350
180970057	2013	2	13	11	V	16.4	0.8	0.82	246
180970057	2013	2	13	12	V	13.1	2.5	1.03	234
180970057	2013	2	13	13	V	0.8	2.2	2.38	285
180970057	2013	2	13	14	V	0.5	1.2	2.54	278
180970057	2013	2	13	15	V	0.5	0.9	2.79	255
180970057	2013	2	13	16	V	0.8	0.8	4.22	254
180970057	2013	2	13	17	V	0.9	0.9	4.83	245
180970057	2013	2	13	18	V	0.7	0.7	5.05	240
180970057	2013	2	13	19	V	0.3	1.9	4.6	228
180970057	2013	2	13	20	V	0.06	1	4.27	218
180970057	2013	2	13	21	V	17.1	1.4	3.8	200
180970057	2013	2	13	22	V	30.2	3.3	4.41	199
180970057	2013	2	13	23	V	13.5	3.1	5	200
180970057	2013	2	13	24	V	1.2	2.5	4.61	206
180970057	2013	2	14	1	V	0.1	0.8	4.78	210
180970057	2013	2	14	2	V	0.3	0.5	4.46	208
180970057	2013	2	14	3	V	8.0	0.6	4.19	202
180970057	2013	2	14	4	V	0.6	1.2	3.98	208
180970057	2013	2	14	5	V	0.1	0.8	4.19	211
180970057	2013	2	14	6	V	67.3	1	3.51	194
180970057	2013	2	14	7	V	82.9	1.3	3.56	193
180970057	2013	2	14	8	V	51.9	2.7	4.19	191
180970057	2013	2	14	9	V	31.8	2.1	5.12	187
180970057	2013	2	14	10	V	28.7	6.7	6.45	192
180970057	2013	2	14	11	V	4.5	10.5	7.2	205
180970057	2013	2	14	12	V	0.06	5.7	7.84	225
180970057	2013	2	14	13	V	0.3	4.5	9.01	237
180970057	2013	2	14	14	V	0.2	3.7	8.11	232
180970057	2013	2	14	15	V	0.3	2.5	8.83	236
180970057	2013	2	14	16	V	0.8	2.3	9.07	247
180970057	2013	2	14	17	V	0.2	1.7	9.22	278
180970057	2013	2	14	18	V	0.07	0.8	8.95	285
180970057	2013	2	14	19	V	0.04	0.3	7.45	287
180970057	2013	2	14	20	V	0.01	0.1	6.26	293
180970057	2013	2	14	21	V	0.02	0.1	5.58	294
180970057	2013	2	14	22	V	0.01	0.1	6.43	295
180970057	2013	2	14	23	V	0.09	0	4.49	285
180970057	2013	2	14	24	V	0.6	0	2.93	251
180970057	2013	2	15	1	V	0.07	0	2.55	225
180970057	2013	2	15	2	V	0.3	0	2.67	243
180970057	2013	2	15	3	V	0.3	0	2.4	244
180970057	2013	2	15	4	V	0.1	0	2.59	234
180970057	2013	2	15	5	V	0.07	0	2.78	228
180970057	2013	2	15	6	V	0.2	0.1	3.49	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	15	7	V	0.3	0.3	3.59	244
180970057	2013	2	15	8	V	0.4	0.1	3.57	254
180970057	2013	2	15	9	V	0.5	0.2	2.78	254
180970057	2013	2	15	10	V	0.2	0.1	4.02	278
180970057	2013	2	15	11	V	0.07	0	4.63	290
180970057	2013	2	15	12	V	0.07	0.1	5.16	291
180970057	2013	2	15	13	V	0.07	0.2	6.82	304
180970057	2013	2	15	14	V	0.04	0.3	8.28	317
180970057	2013	2	15	15	V	0.04	0.1	7.6	337
180970057	2013	2	15	16	V	0.01	0.2	7.72	324
180970057	2013	2	15	17	V	0.01	0.2	7.33	314
180970057	2013	2	15	18	V	0.02	0.1	5.97	314
180970057	2013	2	15	19	V	0.03	0	4.65	312
180970057	2013	2	15	20	V	0.03	0	3.61	302
180970057	2013	2	15	21	V	0.03	0	3.63	304
180970057	2013	2	15	22	V	0.08	0	2.47	293
180970057	2013	2	15	23	V	0.5	0	2.33	279
180970057	2013	2	15	24	V	0.9	0.1	2.01	250
180970057	2013	2	16	1	V	0.3	0.1	2.55	247
180970057	2013	2	16	2	V	0.1	0	2.69	233
180970057	2013	2	16	3	V	0.3	0	3.13	246
180970057	2013	2	16	4	V	0.03	0	3.93	291
180970057	2013	2	16	5	V	0.03	0	4.42	301
180970057	2013	2	16	6	V	0.03	0	4.24	295
180970057	2013	2	16	7	V	0.06	0	4.34	301
180970057	2013	2	16	8	V	0.09	0	4.95	300
180970057	2013	2	16	9	V	0.09	0.1	5.73	322
180970057	2013	2	16	10	V	0.08	0	6.45	309
180970057	2013	2	16	11	V	0.07	0	6.45	298
180970057	2013	2	16	12	V	0.06	0	7.23	294
180970057	2013	2	16	13	V	0.05	0	7.35	297
180970057	2013	2	16	14	V	0.05	0	7.59	291
180970057	2013	2	16	15	V	0.03	0	7.94	300
180970057	2013	2	16	16	V	0.02	0	8.22	293
180970057	2013	2	16	17	V	0.02	0	8.39	292
180970057	2013	2	16	18	V	0.01	0	6.65	297
180970057	2013	2	16	19	V	0.01	0	6.48	302
180970057	2013	2	16	20	V	0.04	0	4.46	299
180970057	2013	2	16	21	V	0.04	0	3.32	304
180970057	2013	2	16	22	V	0.04	0	3.25	293
180970057	2013	2	16	23	V	0.04	-999	3.49	307
180970057	2013	2	16	24	V	0.05	0	4.15	308
180970057	2013	2	17	1	V	0.05	0	4.19	334
180970057	2013	2	17	2	V	0.03	0	5.19	327
180970057	2013	2	17	3	V	0.02	0	4.24	321
180970057	2013	2	17	4	V	0.03	0	3.51	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	17	5	V	0.04	0	2.89	335
180970057	2013	2	17	6	V	0.1	0	2.23	324
180970057	2013	2	17	7	V	0.08	0	2.22	340
180970057	2013	2	17	8	V	1.4	0.1	1.81	321
180970057	2013	2	17	9	V	4.3	0.3	1.52	297
180970057	2013	2	17	10	V	10.8	0.7	0.94	333
180970057	2013	2	17	11	V	5.0	7.1	1.28	144
180970057	2013	2	17	12	V	17.3	12.5	2.33	177
180970057	2013	2	17	13	V	0.7	11.2	3.61	167
180970057	2013	2	17	14	V	20.4	17.2	2.76	183
180970057	2013	2	17	15	V	4.2	17.4	2.72	210
180970057	2013	2	17	16	V	0.3	12.5	2.4	225
180970057	2013	2	17	17	V	0.6	2.7	2.45	234
180970057	2013	2	17	18	V	13.4	0.3	1.82	203
180970057	2013	2	17	19	V	0.09	1.1	2.33	135
180970057	2013	2	17	20	V	0.05	1.2	2.66	124
180970057	2013	2	17	21	V	0.03	0.9	3.64	131
180970057	2013	2	17	22	V	0.04	0.8	3.47	120
180970057	2013	2	17	23	V	0.04	0.6	4.22	126
180970057	2013	2	17	24	V	0.04	0.4	4.78	141
180970057	2013	2	18	1	V	0.02	0.7	5.31	137
180970057	2013	2	18	2	V	0.01	0.9	5.87	138
180970057	2013	2	18	3	V	0.01	0.9	6.52	139
180970057	2013	2	18	4	V	0.01	0.8	6.92	139
180970057	2013	2	18	5	V	0.01	0.6	5.94	141
180970057	2013	2	18	6	V	0.02	0.7	5.99	142
180970057	2013	2	18	7	V	0.04	0.7	5.8	144
180970057	2013	2	18	8	V	0.1	0.7	4.7	143
180970057	2013	2	18	9	V	0.2	1.1	4.43	143
180970057	2013	2	18	10	V	0.2	1.5	5.99	168
180970057	2013	2	18	11	V	24.2	14.6	7.38	188
180970057	2013	2	18	12	V	24.6	58.9	8.88	188
180970057	2013	2	18	13	V	30.6	75.5	8.64	191
180970057	2013	2	18	14	V	24.6	34.7	10.19	197
180970057	2013	2	18	15	V	40.1	59.6	11.5	193
180970057	2013	2	18	16	V	35.9	27.1	10.88	194
180970057	2013	2	18	17	V	22.0	75.3	10.41	189
180970057	2013	2	18	18	V	28.5	42	12.24	199
180970057	2013	2	18	19	V	10.1	5.6	11.41	203
180970057	2013	2	18	20	V	0.03	3.2	7.31	171
180970057	2013	2	18	21	V	2.1	4.4	10.02	180
180970057	2013	2	18	22	V	0.3	1.4	11.57	172
180970057	2013	2	18	23	V	0.4	0.4	12.11	173
180970057	2013	2	18	24	V	4.2	0.5	12.45	180
180970057	2013	2	19	1	V	28.7	19.3	11.46	192
180970057	2013	2	19	2	V	0.3	2.6	12.19	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	19	3	V	0.4	0.5	11.34	267
180970057	2013	2	19	4	V	0.4	0.3	11.43	266
180970057	2013	2	19	5	V	0.3	0.2	12.55	269
180970057	2013	2	19	6	V	0.4	0.1	11.48	268
180970057	2013	2	19	7	V	0.4	0.1	10.24	266
180970057	2013	2	19	8	V	0.1	0.1	11.14	275
180970057	2013	2	19	9	V	0.2	0	8.98	263
180970057	2013	2	19	10	V	0.2	0	12.11	262
180970057	2013	2	19	11	V	0.2	0.1	10.17	261
180970057	2013	2	19	12	V	0.2	0	10.02	265
180970057	2013	2	19	13	V	0.1	0	11.41	265
180970057	2013	2	19	14	V	0.2	0	11.34	261
180970057	2013	2	19	15	V	0.1	0.1	11.31	267
180970057	2013	2	19	16	V	0.4	0	11.28	263
180970057	2013	2	19	17	V	0.4	0	11.67	269
180970057	2013	2	19	18	V	0.3	0	11.72	270
180970057	2013	2	19	19	V	0.4	0	10.46	270
180970057	2013	2	19	20	V	0.3	0	10.41	276
180970057	2013	2	19	21	V	0.4	0	9.81	269
180970057	2013	2	19	22	V	0.3	0	9.8	274
180970057	2013	2	19	23	V	0.3	0	9.92	276
180970057	2013	2	19	24	V	0.3	0	10	276
180970057	2013	2	20	1	V	0.04	0	9.34	288
180970057	2013	2	20	2	V	0.04	0	8.37	288
180970057	2013	2	20	3	V	0.03	0	7.84	290
180970057	2013	2	20	4	V	0.02	0	7.65	295
180970057	2013	2	20	5	V	0.03	0	6.24	306
180970057	2013	2	20	6	V	0.02	0	6.65	303
180970057	2013	2	20	7	V	0.09	0	5.6	305
180970057	2013	2	20	8	V	0.1	0	5.21	311
180970057	2013	2	20	9	V	0.1	0	5.46	309
180970057	2013	2	20	10	V	0.2	0	5.33	315
180970057	2013	2	20	11	V	0.3	0.2	4.2	300
180970057	2013	2	20	12	V	0.4	0.1	4.14	281
180970057	2013	2	20	13	V	0.4	0.1	4.32	280
180970057	2013	2	20	14	V	0.2	0.1	4.76	287
180970057	2013	2	20	15	V	0.1	0.1	5.65	280
180970057	2013	2	20	16	V	0.1	0.2	5.19	297
180970057	2013	2	20	17	V	0.04	0.2	5.43	308
180970057	2013	2	20	18	V	0.08	0.1	4.65	313
180970057	2013	2	20	19	V	0.08	0.1	4.56	325
180970057	2013	2	20	20	V	0.09	0	4.37	336
180970057	2013	2	20	21	V	0.1	0.1	3.98	352
180970057	2013	2	20	22	V	0.1	0	4.02	11
180970057	2013	2	20	23	V	0.09	0	3.61	30
180970057	2013	2	20	24	V	0.1	0.1	2.44	25

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	21	1	V	0.07	0.2	3.05	26
180970057	2013	2	21	2	V	0.2	0.2	2.04	19
180970057	2013	2	21	3	V	0.07	0.1	2.67	17
180970057	2013	2	21	4	V	0.1	0.1	2.05	356
180970057	2013	2	21	5	V	0.08	0.2	2.91	29
180970057	2013	2	21	6	V	0.09	0.3	3.91	19
180970057	2013	2	21	7	V	0.1	0.2	3.13	8
180970057	2013	2	21	8	V	15.2	0.4	4.27	46
180970057	2013	2	21	9	V	12.2	1	4.87	52
180970057	2013	2	21	10	V	0.4	0.3	4.39	72
180970057	2013	2	21	11	V	0.4	0.4	5.04	72
180970057	2013	2	21	12	V	0.2	0.5	4.8	84
180970057	2013	2	21	13	V	0.09	0.4	4.82	101
180970057	2013	2	21	14	V	0.07	0.4	6.24	90
180970057	2013	2	21	15	V	0.07	0.4	7.5	85
180970057	2013	2	21	16	V	0.04	0.3	6.12	97
180970057	2013	2	21	17	V	0.03	0.2	6.57	74
180970057	2013	2	21	18	V	0.03	0.2	6.81	88
180970057	2013	2	21	19	V	0.04	0.2	5.65	101
180970057	2013	2	21	20	V	0.03	0.1	6.67	93
180970057	2013	2	21	21	V	0.02	0.1	8.16	98
180970057	2013	2	21	22	V	0.04	0	9.17	89
180970057	2013	2	21	23	V	0.02	0	8.28	95
180970057	2013	2	21	24	V	0.02	0.2	8.39	104
180970057	2013	2	22	1	V	0.02	0.2	9.07	106
180970057	2013	2	22	2	V	0.02	0.2	8.44	103
180970057	2013	2	22	3	V	0.02	0.6	7.47	112
180970057	2013	2	22	4	V	0.02	0.6	6.43	119
180970057	2013	2	22	5	V	0.04	0.5	5.17	123
180970057	2013	2	22	6	V	0.07	0.5	4.36	119
180970057	2013	2	22	7	V	0.1	0.2	3.47	121
180970057	2013	2	22	8	V	0.3	0.1	3.73	141
180970057	2013	2	22	9	V	0.3	0.1	3.88	149
180970057	2013	2	22	10	V	2.4	0.1	3.9	171
180970057	2013	2	22	11	V	37.2	0.4	4.58	200
180970057	2013	2	22	12	V	0.08	0.2	6.01	223
180970057	2013	2	22	13	V	0.08	0.1	6.5	224
180970057	2013	2	22	14	V	0.08	0.1	6.04	225
180970057	2013	2	22	15	V	0.05	0.2	5.48	223
180970057	2013	2	22	16	V	0.2	0.2	5.82	225
180970057	2013	2	22	17	V	0.09	0.2	5.44	221
180970057	2013	2	22	18	V	0.09	0.1	4.83	216
180970057	2013	2	22	19	V	0.1	0.1	4.99	221
180970057	2013	2	22	20	V	0.1	0.1	4.75	221
180970057	2013	2	22	21	V	0.4	0.1	7.04	238
180970057	2013	2	22	22	V	0.7	0.1	5.97	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	22	23	V	0.3	0.1	5.26	280
180970057	2013	2	22	24	V	0.4	0	5.36	278
180970057	2013	2	23	1	V	0.3	0.2	5.53	281
180970057	2013	2	23	2	V	0.6	0.2	5.33	274
180970057	2013	2	23	3	V	0.6	0.1	5.48	270
180970057	2013	2	23	4	V	0.8	0.1	3.93	258
180970057	2013	2	23	5	V	0.3	0	4.03	243
180970057	2013	2	23	6	V	0.3	0.2	3.54	243
180970057	2013	2	23	7	V	0.3	0.4	3.63	244
180970057	2013	2	23	8	V	0.3	0.3	3.8	238
180970057	2013	2	23	9	V	0.6	0.5	3.71	249
180970057	2013	2	23	10	V	0.6	0.7	3.4	263
180970057	2013	2	23	11	V	0.4	0.9	4.25	280
180970057	2013	2	23	12	V	0.4	0.9	3.92	269
180970057	2013	2	23	13	V	0.5	0.7	4.03	251
180970057	2013	2	23	14	V	0.6	0.9	3.78	243
180970057	2013	2	23	15	V	0.5	0.8	4.46	240
180970057	2013	2	23	16	V	0.4	0.9	4.94	244
180970057	2013	2	23	17	V	0.8	2.7	4.6	240
180970057	2013	2	23	18	V	0.8	3.8	4.32	257
180970057	2013	2	23	19	V	0.1	2.4	3.66	284
180970057	2013	2	23	20	V	0.07	0.6	4.42	305
180970057	2013	2	23	21	V	0.07	0.4	3.78	302
180970057	2013	2	23	22	V	0.07	0.3	4.29	299
180970057	2013	2	23	23	V	0.07	-999	2.98	294
180970057	2013	2	23	24	V	0.1	0.4	2.42	292
180970057	2013	2	24	1	V	0.08	0.5	3.93	299
180970057	2013	2	24	2	V	0.08	0.2	4.15	301
180970057	2013	2	24	3	V	0.06	0	3.15	312
180970057	2013	2	24	4	V	0.2	0.1	2.06	287
180970057	2013	2	24	5	V	0.7	0	2.11	270
180970057	2013	2	24	6	V	0.7	0	2.08	270
180970057	2013	2	24	7	V	0.5	0	2.55	247
180970057	2013	2	24	8	V	1.8	0	2.04	251
180970057	2013	2	24	9	V	4.0	0.1	1.86	254
180970057	2013	2	24	10	V	1.3	0.5	2.57	320
180970057	2013	2	24	11	V	1.9	0.7	2.2	304
180970057	2013	2	24	12	V	1.3	0.9	2.55	283
180970057	2013	2	24	13	V	0.5	1.1	3.63	284
180970057	2013	2	24	14	V	0.2	1.1	4.32	293
180970057	2013	2	24	15	V	0.3	1	2.91	295
180970057	2013	2	24	16	V	0.02	0.9	3.25	299
180970057	2013	2	24	17	V	0.06	0.9	3.15	317
180970057	2013	2	24	18	V	0.08	0.7	2.98	328
180970057	2013	2	24	19	V	0.2	0.4	2.3	339
180970057	2013	2	24	20	V	0.2	0.2	2.23	7

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	24	21	V	0.2	0.2	2.05	24
180970057	2013	2	24	22	V	1.4	0.1	2.78	55
180970057	2013	2	24	23	V	0.1	0.2	2.44	80
180970057	2013	2	24	24	V	0.1	0.2	2.56	66
180970057	2013	2	25	1	V	0.09	0.1	2.71	78
180970057	2013	2	25	2	V	0.05	0.1	3.03	68
180970057	2013	2	25	3	V	0.1	0.1	2.61	77
180970057	2013	2	25	4	V	0.07	0.1	2.93	75
180970057	2013	2	25	5	V	0.1	0.1	2.62	89
180970057	2013	2	25	6	V	0.1	0.5	2.54	94
180970057	2013	2	25	7	V	0.2	0.3	2.74	95
180970057	2013	2	25	8	V	1.1	0.3	2.79	78
180970057	2013	2	25	9	V	0.5	2.3	4.02	90
180970057	2013	2	25	10	V	0.2	14.7	4.99	113
180970057	2013	2	25	11	V	0.1	15	6.96	109
180970057	2013	2	25	12	V	0.1	-999	6.75	113
180970057	2013	2	25	13	V	0.1	4.8	6.4	106
180970057	2013	2	25	14	V	0.1	2.9	6.02	101
180970057	2013	2	25	15	V	0.1	2.8	5.99	88
180970057	2013	2	25	16	V	0.07	1.6	6.06	82
180970057	2013	2	25	17	V	0.03	1.2	6.41	72
180970057	2013	2	25	18	V	0.03	0.9	6.5	70
180970057	2013	2	25	19	V	0.03	0.7	6.21	78
180970057	2013	2	25	20	V	0.03	0.5	7.43	70
180970057	2013	2	25	21	V	0.03	0.4	7.33	70
180970057	2013	2	25	22	V	0.03	0.4	5.99	78
180970057	2013	2	25	23	V	0.03	0.4	7.06	77
180970057	2013	2	25	24	V	0.02	0.4	7.01	77
180970057	2013	2	26	1	V	0.03	0.6	6.43	80
180970057	2013	2	26	2	V	0.03	0.8	7.77	73
180970057	2013	2	26	3	V	0.03	0.8	8.2	66
180970057	2013	2	26	4	V	0.05	0.9	8.81	66
180970057	2013	2	26	5	V	0.06	1	8.79	65
180970057	2013	2	26	6	V	0.02	0.9	7.69	70
180970057	2013	2	26	7	V	1.0	2.7	6.28	52
180970057	2013	2	26	8	V	8.2	4.6	9.7	54
180970057	2013	2	26	9	V	1.8	1.4	10.32	61
180970057	2013	2	26	10	V	0.2	0.5	6.28	73
180970057	2013	2	26	11	V	1.3	0.3	5.5	65
180970057	2013	2	26	12	V	0.8	0.2	6.07	66
180970057	2013	2	26	13	V	0.2	0.1	6.36	72
180970057	2013	2	26	14	V	0.1	0.1	5.96	80
180970057	2013	2	26	15	V	0.4	0.1	3.42	83
180970057	2013	2	26	16	V	0.2	0.1	1.72	76
180970057	2013	2	26	17	V	17.3	0.2	1.98	50
180970057	2013	2	26	18	V	132.2	0.2	1.33	189

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	26	19	V	87.8	0.3	2.1	195
180970057	2013	2	26	20	V	0.1	0.3	2.89	221
180970057	2013	2	26	21	V	0.1	0.3	4.03	221
180970057	2013	2	26	22	V	0.2	0	5.16	225
180970057	2013	2	26	23	V	0.09	0	6.97	224
180970057	2013	2	26	24	V	0.05	0	6.77	221
180970057	2013	2	27	1	V	0.03	0	7.2	223
180970057	2013	2	27	2	V	0.06	0	7.03	213
180970057	2013	2	27	3	V	0.03	0	6.72	218
180970057	2013	2	27	4	V	0.03	0	6.33	221
180970057	2013	2	27	5	V	0.05	0	9.67	229
180970057	2013	2	27	6	V	0.1	0	8.91	235
180970057	2013	2	27	7	V	0.2	0	7.21	237
180970057	2013	2	27	8	V	0.1	0	7.45	236
180970057	2013	2	27	9	V	0.2	0	7.25	234
180970057	2013	2	27	10	V	0.3	0	7.88	236
180970057	2013	2	27	11	V	0.1	0	7.28	231
180970057	2013	2	27	12	V	0.07	0	8.49	225
180970057	2013	2	27	13	V	0.1	0.1	9.61	229
180970057	2013	2	27	14	V	0.09	0	9.32	228
180970057	2013	2	27	15	V	0.2	0	8.1	233
180970057	2013	2	27	16	V	0.6	0	7.55	238
180970057	2013	2	27	17	V	0.5	0	6.24	240
180970057	2013	2	27	18	V	0.5	0	6.46	241
180970057	2013	2	27	19	V	0.7	0	6.96	254
180970057	2013	2	27	20	V	0.6	0	6.79	250
180970057	2013	2	27	21	V	0.6	0	6.87	250
180970057	2013	2	27	22	V	0.7	0	7.25	256
180970057	2013	2	27	23	V	0.6	0	7.94	251
180970057	2013	2	27	24	V	0.6	0	7.65	252
180970057	2013	2	28	1	V	0.6	0	7.5	255
180970057	2013	2	28	2	V	0.7	0	6.87	257
180970057	2013	2	28	3	V	0.7	0	7.23	263
180970057	2013	2	28	4	V	0.6	0	7.04	267
180970057	2013	2	28	5	V	0.8	0	6.4	262
180970057	2013	2	28	6	V	0.7	0	6.02	267
180970057	2013	2	28	7	V	0.6	0	5.73	271
180970057	2013	2	28	8	V	0.2	0	5.41	271
180970057	2013	2	28	9	V	0.2	0	5.94	280
180970057	2013	2	28	10	V	0.1	0	5.97	289
180970057	2013	2	28	11	V	0.08	0	6.45	295
180970057	2013	2	28	12	V	0.08	0	6.23	300
180970057	2013	2	28	13	V	0.08	0.1	6.33	305
180970057	2013	2	28	14	V	0.07	0.1	6.41	308
180970057	2013	2	28	15	V	0.06	0.2	6.45	311
180970057	2013	2	28	16	V	0.06	0.2	5.9	305

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	2	28	17	V	0.03	0	6.18	299
180970057	2013	2	28	18	V	0.04	0	5.85	299
180970057	2013	2	28	19	V	0.03	0	6.06	301
180970057	2013	2	28	20	V	0.02	0	6.82	321
180970057	2013	2	28	21	V	0.03	0	6.86	334
180970057	2013	2	28	22	V	0.04	0	5.5	334
180970057	2013	2	28	23	V	0.05	0	5.14	338
180970057	2013	2	28	24	V	0.07	0	4.66	331
180970057	2013	3	1	1	V	0.08	0	3.61	320
180970057	2013	3	1	2	V	0.07	0	4.92	320
180970057	2013	3	1	3	V	0.07	0	4.93	318
180970057	2013	3	1	4	V	0.08	0	4.46	315
180970057	2013	3	1	5	V	0.07	0	4.9	325
180970057	2013	3	1	6	V	0.07	0	4.85	323
180970057	2013	3	1	7	V	0.1	0	4.59	326
180970057	2013	3	1	8	V	0.2	0	4.48	323
180970057	2013	3	1	9	V	0.2	0	4.42	325
180970057	2013	3	1	10	V	0.09	0	4.51	321
180970057	2013	3	1	11	V	0.1	0	4.36	312
180970057	2013	3	1	12	V	0.1	0	4.03	314
180970057	2013	3	1	13	V	0.1	0	3.73	316
180970057	2013	3	1	14	V	0.1	0	3.52	312
180970057	2013	3	1	15	V	0.07	0	4.12	15
180970057	2013	3	1	16	V	0.1	0	4.87	20
180970057	2013	3	1	17	V	0.09	0	4.32	14
180970057	2013	3	1	18	V	0.06	0	4.9	10
180970057	2013	3	1	19	V	0.08	0	4.63	23
180970057	2013	3	1	20	V	0.07	0	4.75	22
180970057	2013	3	1	21	V	0.1	0	3.8	17
180970057	2013	3	1	22	V	0.08	0	4.61	10
180970057	2013	3	1	23	V	0.08	0	4.51	10
180970057	2013	3	1	24	V	0.1	0	3.86	16
180970057	2013	3	2	1	V	0.1	0	4.15	21
180970057	2013	3	2	2	V	0.08	0	4.68	27
180970057	2013	3	2	3	V	0.2	0	4.68	33
180970057	2013	3	2	4	V	0.07	0	4.7	25
180970057	2013	3	2	5	V	0.09	0	4.31	10
180970057	2013	3	2	6	V	0.07	0	4.82	10
180970057	2013	3	2	7	V	0.09	0	5.24	5
180970057	2013	3	2	8	V	0.1	0	5.21	356
180970057	2013	3	2	9	V	0.08	0	4.68	9
180970057	2013	3	2	10	V	0.09	0	4.87	2
180970057	2013	3	2	11	V	0.1	0	4.9	4
180970057	2013	3	2	12	V	0.1	0	4.83	346
180970057	2013	3	2	13	V	0.1	0	4.82	353
180970057	2013	3	2	14	V	0.08	0	5.6	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	2	15	V	0.06	0	5.38	326
180970057	2013	3	2	16	V	0.09	0	5.34	327
180970057	2013	3	2	17	V	0.05	0	5.44	323
180970057	2013	3	2	18	V	0.06	0	5	335
180970057	2013	3	2	19	V	0.05	0	5.28	311
180970057	2013	3	2	20	V	0.07	0	4.65	308
180970057	2013	3	2	21	V	0.05	0.1	5.43	309
180970057	2013	3	2	22	V	0.04	0.1	5.62	314
180970057	2013	3	2	23	V	0.07	-999	4.88	312
180970057	2013	3	2	24	V	0.06	0.1	5.17	310
180970057	2013	3	3	1	V	0.04	0.1	5.51	311
180970057	2013	3	3	2	V	0.06	0	4.99	319
180970057	2013	3	3	3	V	0.08	0	4.66	309
180970057	2013	3	3	4	V	0.06	0.1	5.02	308
180970057	2013	3	3	5	V	0.09	0.2	4.07	304
180970057	2013	3	3	6	V	0.09	0.2	3.57	297
180970057	2013	3	3	7	V	0.2	0.1	3.9	297
180970057	2013	3	3	8	V	0.3	0.2	3.85	300
180970057	2013	3	3	9	V	0.3	0.4	4.29	297
180970057	2013	3	3	10	V	0.3	0.6	4.75	309
180970057	2013	3	3	11	V	0.2	0.6	5.84	314
180970057	2013	3	3	12	V	0.2	0.7	4.8	298
180970057	2013	3	3	13	V	0.1	0.5	4.02	310
180970057	2013	3	3	14	V	0.1	0.3	4.54	313
180970057	2013	3	3	15	V	0.1	0.3	4.56	312
180970057	2013	3	3	16	V	0.06	0.3	4.41	317
180970057	2013	3	3	17	V	0.08	0.3	3.9	318
180970057	2013	3	3	18	V	0.08	0.2	3.42	330
180970057	2013	3	3	19	V	0.06	0.2	2.86	335
180970057	2013	3	3	20	V	0.2	0.2	2.03	341
180970057	2013	3	3	21	V	0.3	0.2	1.86	360
180970057	2013	3	3	22	V	2.0	0.2	1.11	342
180970057	2013	3	3	23	V	2.8	0.3	1.14	263
180970057	2013	3	3	24	V	2.2	0.5	1.43	242
180970057	2013	3	4	1	V	1.7	0.6	1.3	252
180970057	2013	3	4	2	V	0.7	0.5	1.72	242
180970057	2013	3	4	3	V	4.4	0.6	0.97	260
180970057	2013	3	4	4	V	13.8	0.9	0.57	289
180970057	2013	3	4	5	V	38.1	1	0.94	45
180970057	2013	3	4	6	V	0.5	1	1.65	109
180970057	2013	3	4	7	V	1.6	0.9	1.81	108
180970057	2013	3	4	8	V	1.3	1.1	2.3	97
180970057	2013	3	4	9	V	0.7	1.5	2.96	122
180970057	2013	3	4	10	V	0.3	1.1	4.58	142
180970057	2013	3	4	11	V	0.2	1.6	5.95	142
180970057	2013	3	4	12	V	0.1	2.5	5.67	135

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	4	13	V	0.1	2.9	5.46	124
180970057	2013	3	4	14	V	0.08	6.6	5.53	131
180970057	2013	3	4	15	V	0.07	7.8	6.23	121
180970057	2013	3	4	16	V	0.06	3.1	6.13	114
180970057	2013	3	4	17	V	0.05	5.1	5.36	114
180970057	2013	3	4	18	V	0.03	4.1	6.23	107
180970057	2013	3	4	19	V	0.04	2.7	5.72	97
180970057	2013	3	4	20	V	0.03	4.3	6.11	101
180970057	2013	3	4	21	V	0.07	5.2	4.68	96
180970057	2013	3	4	22	V	0.08	2.3	4.41	87
180970057	2013	3	4	23	V	0.07	1.8	4.71	87
180970057	2013	3	4	24	V	0.04	3.2	5.65	79
180970057	2013	3	5	1	V	0.04	6.8	5.61	74
180970057	2013	3	5	2	V	0.04	6.8	5.51	77
180970057	2013	3	5	3	V	0.05	4.6	5.04	86
180970057	2013	3	5	4	V	0.04	4.1	5.45	83
180970057	2013	3	5	5	V	0.04	3.7	5.51	93
180970057	2013	3	5	6	V	0.06	3.4	5	96
180970057	2013	3	5	7	V	0.2	2.4	4.56	95
180970057	2013	3	5	8	V	0.2	1.6	4.65	93
180970057	2013	3	5	9	V	0.2	1.4	4.19	89
180970057	2013	3	5	10	V	0.2	1.2	4.97	86
180970057	2013	3	5	11	V	0.1	1.2	5.82	91
180970057	2013	3	5	12	V	0.2	1	5.24	96
180970057	2013	3	5	13	V	0.2	0.6	4.58	90
180970057	2013	3	5	14	V	0.2	0.5	4.27	86
180970057	2013	3	5	15	V	0.3	0.4	3.76	83
180970057	2013	3	5	16	V	0.3	0.3	2.42	86
180970057	2013	3	5	17	V	0.1	0.3	2.25	312
180970057	2013	3	5	18	V	0.1	0.3	3.18	288
180970057	2013	3	5	19	V	0.4	0.1	5.96	276
180970057	2013	3	5	20	V	0.2	0	8.61	279
180970057	2013	3	5	21	V	0.1	0	9.73	282
180970057	2013	3	5	22	V	0.04	0	8.17	289
180970057	2013	3	5	23	V	0.03	0.1	6.35	312
180970057	2013	3	5	24	V	0.03	0	5.99	326
180970057	2013	3	6	1	V	0.02	0	7.01	321
180970057	2013	3	6	2	V	0.02	0	7.74	326
180970057	2013	3	6	3	V	0.02	0	8.39	329
180970057	2013	3	6	4	V	0.05	0	9.49	337
180970057	2013	3	6	5	V	0.03	0	8	340
180970057	2013	3	6	6	V	0.03	0	8.01	332
180970057	2013	3	6	7	V	0.07	0	9.9	340
180970057	2013	3	6	8	V	0.08	0	8.33	347
180970057	2013	3	6	9	V	0.09	0	7.83	344
180970057	2013	3	6	10	V	0.07	0	7.38	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	6	11	V	0.08	0	7.21	341
180970057	2013	3	6	12	V	0.08	0	7.11	340
180970057	2013	3	6	13	V	0.08	0	5.92	326
180970057	2013	3	6	14	V	0.07	0	6.06	312
180970057	2013	3	6	15	V	0.06	0.1	6.43	308
180970057	2013	3	6	16	V	0.08	0.1	5.78	306
180970057	2013	3	6	17	V	0.05	0.1	5.46	296
180970057	2013	3	6	18	V	0.04	0	5.8	295
180970057	2013	3	6	19	V	0.06	0	5.24	293
180970057	2013	3	6	20	V	0.04	0	5.73	292
180970057	2013	3	6	21	V	0.04	0	5.56	297
180970057	2013	3	6	22	V	0.1	0	4.6	288
180970057	2013	3	6	23	V	0.1	0	4.27	294
180970057	2013	3	6	24	V	0.09	0	3.78	301
180970057	2013	3	7	1	V	0.09	0	3.71	301
180970057	2013	3	7	2	V	0.09	0	4	294
180970057	2013	3	7	3	V	0.09	0	4.12	293
180970057	2013	3	7	4	V	0.09	0	4.32	299
180970057	2013	3	7	5	V	0.08	0	4.54	300
180970057	2013	3	7	6	V	0.08	0	4.75	307
180970057	2013	3	7	7	V	0.2	0	4.05	313
180970057	2013	3	7	8	V	0.4	0.1	3.46	302
180970057	2013	3	7	9	V	1.4	0.2	2.16	293
180970057	2013	3	7	10	V	1.2	0.3	2.47	302
180970057	2013	3	7	11	V	2.0	0.7	2.05	294
180970057	2013	3	7	12	V	1.6	0.7	2.42	274
180970057	2013	3	7	13	V	1.4	1.2	2.44	283
180970057	2013	3	7	14	V	1.3	1.1	2.33	291
180970057	2013	3	7	15	V	0.2	0.8	2.66	289
180970057	2013	3	7	16	V	0.2	0.3	3.15	307
180970057	2013	3	7	17	V	0.09	0.3	3.25	321
180970057	2013	3	7	18	V	0.2	0.3	2.01	318
180970057	2013	3	7	19	V	0.3	0.2	1.89	329
180970057	2013	3	7	20	V	0.1	0.1	2.32	335
180970057	2013	3	7	21	V	0.1	0.1	2.32	12
180970057	2013	3	7	22	V	17.0	0.5	1.98	45
180970057	2013	3	7	23	V	0.2	0.5	2.28	23
180970057	2013	3	7	24	V	0.9	2	1.89	32
180970057	2013	3	8	1	V	0.8	0.4	1.55	27
180970057	2013	3	8	2	V	0.3	0.3	1.64	331
180970057	2013	3	8	3	V	0.2	0.2	1.93	1
180970057	2013	3	8	4	V	0.1	0.2	2.25	351
180970057	2013	3	8	5	V	0.1	0.2	2.42	332
180970057	2013	3	8	6	V	0.2	0.3	2.18	4
180970057	2013	3	8	7	V	12.6	0.1	2.84	45
180970057	2013	3	8	8	V	12.3	0.4	2.95	39

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	8	9	V	11.7	1.5	3.34	41
180970057	2013	3	8	10	V	8.7	0.7	2.33	59
180970057	2013	3	8	11	V	0.5	0.6	3.3	88
180970057	2013	3	8	12	V	0.3	0.8	3.37	104
180970057	2013	3	8	13	V	1.0	0.4	2.42	125
180970057	2013	3	8	14	V	0.8	0.4	2.5	138
180970057	2013	3	8	15	V	0.5	0.4	2.71	98
180970057	2013	3	8	16	V	0.1	0.6	3.17	98
180970057	2013	3	8	17	V	0.07	0.8	3.9	85
180970057	2013	3	8	18	V	0.08	0.5	4.34	94
180970057	2013	3	8	19	V	0.06	0.7	3.69	109
180970057	2013	3	8	20	V	0.06	0.4	3.12	93
180970057	2013	3	8	21	V	0.06	0.1	3.69	81
180970057	2013	3	8	22	V	0.05	0.1	3.74	90
180970057	2013	3	8	23	V	0.06	0	3.15	92
180970057	2013	3	8	24	V	0.09	0	3.34	87
180970057	2013	3	9	1	V	0.07	0.3	3.39	101
180970057	2013	3	9	2	V	0.08	1.1	3.39	115
180970057	2013	3	9	3	V	0.06	1.3	4.02	113
180970057	2013	3	9	4	V	0.07	0.8	3.37	106
180970057	2013	3	9	5	V	0.06	1	4.71	99
180970057	2013	3	9	6	V	0.1	2.4	4.07	114
180970057	2013	3	9	7	V	0.4	4	3.17	147
180970057	2013	3	9	8	V	0.5	6.3	3.57	133
180970057	2013	3	9	9	V	0.2	9.6	4.46	125
180970057	2013	3	9	10	V	0.2	7.5	5.43	132
180970057	2013	3	9	11	V	0.1	5.4	6.53	143
180970057	2013	3	9	12	V	0.08	4.9	6.23	148
180970057	2013	3	9	13	V	0.08	4.2	5.94	137
180970057	2013	3	9	14	V	0.08	3.9	5.99	137
180970057	2013	3	9	15	V	0.07	3.6	5.36	139
180970057	2013	3	9	16	V	0.05	2.8	6.07	133
180970057	2013	3	9	17	V	0.03	1.9	6.16	136
180970057	2013	3	9	18	V	0.03	1.7	5.99	141
180970057	2013	3	9	19	V	0.05	1.2	5.22	141
180970057	2013	3	9	20	V	0.04	1.2	5.39	144
180970057	2013	3	9	21	V	0.04	1.2	5.72	149
180970057	2013	3	9	22	V	0.04	1	5.68	151
180970057	2013	3	9	23	V	0.03	-999	6.06	157
180970057	2013	3	9	24	V	0.04	0.7	4.99	159
180970057	2013	3	10	1	V	0.04	0.7	4.99	150
180970057	2013	3	10	2	V	0.07	0.9	4.41	149
180970057	2013	3	10	3	V	0.07	0.7	4.42	164
180970057	2013	3	10	4	V	0.4	0.7	6.23	178
180970057	2013	3	10	5	V	0.5	0.9	6.86	178
180970057	2013	3	10	6	V	0.9	0.9	7.03	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	10	7	V	5.0	1.1	6.04	180
180970057	2013	3	10	8	V	0.1	0.9	6.11	166
180970057	2013	3	10	9	V	0.1	0.9	5.33	157
180970057	2013	3	10	10	V	0.3	1.1	6.4	171
180970057	2013	3	10	11	V	9.7	1.2	7.46	182
180970057	2013	3	10	12	V	1.1	1.5	7.96	175
180970057	2013	3	10	13	V	0.1	12.8	10.06	169
180970057	2013	3	10	14	V	0.06	3.2	9.06	156
180970057	2013	3	10	15	V	0.06	0.7	9.06	170
180970057	2013	3	10	16	V	0.04	0.8	8.96	168
180970057	2013	3	10	17	V	0.03	0.7	7.46	158
180970057	2013	3	10	18	V	0.03	0.6	5.96	124
180970057	2013	3	10	19	V	0.03	0.7	6.96	146
180970057	2013	3	10	20	V	0.05	0.5	5.36	159
180970057	2013	3	10	21	V	0.03	0.6	8.46	166
180970057	2013	3	10	22	V	0.02	0.5	6.46	167
180970057	2013	3	10	23	V	0.03	0.6	6.99	169
180970057	2013	3	10	24	V	1.3	0.7	8.27	179
180970057	2013	3	11	1	V	8.8	10.4	7.52	187
180970057	2013	3	11	2	V	17.2	1.8	6.5	192
180970057	2013	3	11	3	V	6.1	6.2	6.14	184
180970057	2013	3	11	4	V	0.7	14.6	6.58	178
180970057	2013	3	11	5	V	1.8	1.8	5.72	180
180970057	2013	3	11	6	V	56.0	1.9	4.59	194
180970057	2013	3	11	7	V	0.2	0.8	4.41	218
180970057	2013	3	11	8	V	1.8	0.7	5.33	210
180970057	2013	3	11	9	V	34.3	2.7	5.39	188
180970057	2013	3	11	10	V	47.0	5.9	4.88	191
180970057	2013	3	11	11	V	0.4	1.2	8.52	242
180970057	2013	3	11	12	V	0.2	0.6	7.45	235
180970057	2013	3	11	13	V	0.2	0.5	8.71	250
180970057	2013	3	11	14	V	0.3	0.5	9.44	243
180970057	2013	3	11	15	V	0.3	0.3	10.1	244
180970057	2013	3	11	16	V	0.9	0.2	10.12	241
180970057	2013	3	11	17	V	0.4	0	10.24	245
180970057	2013	3	11	18	V	0.4	0	8.4	243
180970057	2013	3	11	19	V	0.5	0	8.27	250
180970057	2013	3	11	20	V	0.5	0	8.91	252
180970057	2013	3	11	21	V	0.6	0	7.13	253
180970057	2013	3	11	22	V	0.5	0	8.08	251
180970057	2013	3	11	23	V	0.5	0	7.98	249
180970057	2013	3	11	24	V	0.5	0	7.33	247
180970057	2013	3	12	1	V	0.5	0.1	7.35	253
180970057	2013	3	12	2	V	0.6	0	7.94	260
180970057	2013	3	12	3	V	0.6	0	7.6	260
180970057	2013	3	12	4	V	0.6	0	7.06	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	12	5	V	0.5	0	7.69	270
180970057	2013	3	12	6	V	0.5	0	6.5	270
180970057	2013	3	12	7	V	0.1	0	6.36	273
180970057	2013	3	12	8	V	0.2	0	6.13	260
180970057	2013	3	12	9	V	0.1	0	6.77	271
180970057	2013	3	12	10	V	0.2	0	6.84	261
180970057	2013	3	12	11	V	0.2	0	7.55	265
180970057	2013	3	12	12	V	0.3	0.2	7.28	248
180970057	2013	3	12	13	V	0.2	0.2	7.42	253
180970057	2013	3	12	14	V	0.3	0.5	8.06	243
180970057	2013	3	12	15	V	0.3	1.1	8.71	243
180970057	2013	3	12	16	V	0.2	0.9	8.67	251
180970057	2013	3	12	17	V	0.5	0.3	8.78	265
180970057	2013	3	12	18	V	0.6	0.1	7.64	262
180970057	2013	3	12	19	V	0.6	0	6.24	265
180970057	2013	3	12	20	V	0.4	0	8.12	269
180970057	2013	3	12	21	V	0.5	0	6.11	271
180970057	2013	3	12	22	V	0.5	0	5.21	270
180970057	2013	3	12	23	V	0.6	0	4.92	267
180970057	2013	3	12	24	V	0.5	0	6.28	271
180970057	2013	3	13	1	V	0.3	0	6.74	278
180970057	2013	3	13	2	V	0.02	0	7.08	295
180970057	2013	3	13	3	V	0.05	0	8.39	287
180970057	2013	3	13	4	V	0.2	0	7.94	280
180970057	2013	3	13	5	V	0.1	0	6.82	284
180970057	2013	3	13	6	V	0.1	0	7.59	284
180970057	2013	3	13	7	V	0.09	0	7.08	279
180970057	2013	3	13	8	V	0.08	0	7.28	279
180970057	2013	3	13	9	V	0.06	0	7.5	283
180970057	2013	3	13	10	V	0.07	0	8.69	282
180970057	2013	3	13	11	V	0.05	0	8.71	291
180970057	2013	3	13	12	V	0.05	0	8.44	288
180970057	2013	3	13	13	V	0.04	0	8.69	292
180970057	2013	3	13	14	V	0.05	0	8.83	285
180970057	2013	3	13	15	V	0.05	0	7.72	284
180970057	2013	3	13	16	V	0.03	0	8.03	291
180970057	2013	3	13	17	V	0.01	0	8.56	298
180970057	2013	3	13	18	V	0.01	0	7.52	295
180970057	2013	3	13	19	V	0.02	0	6.45	294
180970057	2013	3	13	20	V	0.05	0	4.43	288
180970057	2013	3	13	21	V	0.4	0	3.86	278
180970057	2013	3	13	22	V	0.6	0	3.98	275
180970057	2013	3	13	23	V	0.5	0	3.42	268
180970057	2013	3	13	24	V	0.4	0	2.86	269
180970057	2013	3	14	1	V	0.7	0	2.64	257
180970057	2013	3	14	2	V	0.1	0	3.23	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	14	3	V	0.1	0	3.56	236
180970057	2013	3	14	4	V	0.2	0	3.52	242
180970057	2013	3	14	5	V	0.2	0	3.25	244
180970057	2013	3	14	6	V	0.1	0	2.66	236
180970057	2013	3	14	7	V	0.3	0.4	2.84	232
180970057	2013	3	14	8	V	0.5	0.4	2.83	232
180970057	2013	3	14	9	V	0.7	0.2	3.56	247
180970057	2013	3	14	10	V	0.7	0.2	3.39	248
180970057	2013	3	14	11	V	0.3	0.4	4.12	252
180970057	2013	3	14	12	V	0.4	0.6	4.46	247
180970057	2013	3	14	13	V	0.5	0.9	4.14	240
180970057	2013	3	14	14	V	0.4	3.5	4.19	244
180970057	2013	3	14	15	V	0.4	4.4	4.2	246
180970057	2013	3	14	16	V	0.3	1.5	5.43	246
180970057	2013	3	14	17	V	0.8	0.7	4.53	249
180970057	2013	3	14	18	V	0.8	0.6	4.1	248
180970057	2013	3	14	19	V	0.5	0.4	6.02	243
180970057	2013	3	14	20	V	0.4	0	5.43	235
180970057	2013	3	14	21	V	0.1	0.1	3.59	212
180970057	2013	3	14	22	V	1.9	1	4.71	205
180970057	2013	3	14	23	V	1.1	0.2	4	207
180970057	2013	3	14	24	V	24.6	0.6	4.43	197
180970057	2013	3	15	1	V	34.8	0.7	3.23	196
180970057	2013	3	15	2	V	1.5	0.4	3.1	182
180970057	2013	3	15	3	V	0.03	0.1	3.44	172
180970057	2013	3	15	4	V	7.1	0.1	2.03	181
180970057	2013	3	15	5	V	0.2	0	1.77	163
180970057	2013	3	15	6	V	0.06	0	2.59	156
180970057	2013	3	15	7	V	0.4	0	2.72	154
180970057	2013	3	15	8	V	0.6	0	2.08	129
180970057	2013	3	15	9	V	2.8	0.5	1.69	160
180970057	2013	3	15	10	V	0.9	1.7	2.54	224
180970057	2013	3	15	11	V	0.8	2.5	2.95	247
180970057	2013	3	15	12	V	1.6	3.4	1.94	235
180970057	2013	3	15	13	V	1.1	3.7	2.3	233
180970057	2013	3	15	14	V	0.9	3.8	3.01	219
180970057	2013	3	15	15	V	0.2	3.8	4.15	220
180970057	2013	3	15	16	V	0.2	5.2	3.68	227
180970057	2013	3	15	17	V	0.1	8.7	2.59	222
180970057	2013	3	15	18	V	0.07	8.1	2.44	156
180970057	2013	3	15	19	V	0.06	6.9	3.06	138
180970057	2013	3	15	20	V	0.07	4.5	2.37	77
180970057	2013	3	15	21	V	0.05	3.3	4.32	102
180970057	2013	3	15	22	V	0.05	2.3	4.36	87
180970057	2013	3	15	23	V	0.07	1.3	3.66	69
180970057	2013	3	15	24	V	0.05	0.8	3.44	74

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	16	1	V	0.03	0.9	3.93	109
180970057	2013	3	16	2	V	0.03	0.5	3.12	130
180970057	2013	3	16	3	V	0.1	0.4	1.84	148
180970057	2013	3	16	4	V	0.06	0.5	2.44	143
180970057	2013	3	16	5	V	0.1	0.5	1.86	152
180970057	2013	3	16	6	V	7.5	0.4	2.69	202
180970057	2013	3	16	7	V	0.6	0.6	3.05	258
180970057	2013	3	16	8	V	0.2	0.6	3.97	291
180970057	2013	3	16	9	V	0.2	1.5	4.02	306
180970057	2013	3	16	10	V	0.05	1.9	7.03	316
180970057	2013	3	16	11	V	0.05	0.9	8.49	317
180970057	2013	3	16	12	V	0.06	0.2	7.09	312
180970057	2013	3	16	13	V	0.06	0.3	6.94	317
180970057	2013	3	16	14	V	0.06	0.2	7.74	318
180970057	2013	3	16	15	V	0.05	0.4	7.94	325
180970057	2013	3	16	16	V	0.04	0.1	6.92	328
180970057	2013	3	16	17	V	0.03	0.2	5.99	337
180970057	2013	3	16	18	V	0.03	0	5.63	337
180970057	2013	3	16	19	V	0.05	0	5.09	342
180970057	2013	3	16	20	V	0.08	0	4.26	355
180970057	2013	3	16	21	V	0.09	0	4.41	323
180970057	2013	3	16	22	V	0.08	0	4.61	334
180970057	2013	3	16	23	V	0.05	-999	5.16	346
180970057	2013	3	16	24	V	0.07	0	4.54	349
180970057	2013	3	17	1	V	0.09	0	4.15	354
180970057	2013	3	17	2	V	0.05	0	5.22	7
180970057	2013	3	17	3	V	0.04	0	5.65	10
180970057	2013	3	17	4	V	0.03	0	6.02	16
180970057	2013	3	17	5	V	0.1	0	3.98	27
180970057	2013	3	17	6	V	1.3	0.9	4.44	38
180970057	2013	3	17	7	V	6.8	2	5.09	38
180970057	2013	3	17	8	V	10.9	2.2	6.01	42
180970057	2013	3	17	9	V	11.4	1.7	5.92	52
180970057	2013	3	17	10	V	4.7	3.1	6.14	57
180970057	2013	3	17	11	V	6.1	1.2	6.02	56
180970057	2013	3	17	12	V	0.2	0.8	6.23	68
180970057	2013	3	17	13	V	0.1	0.5	6.04	73
180970057	2013	3	17	14	V	0.09	0.4	5.92	79
180970057	2013	3	17	15	V	0.07	0.4	6.31	84
180970057	2013	3	17	16	V	0.08	0.5	6.33	83
180970057	2013	3	17	17	V	0.03	0.4	6.98	83
180970057	2013	3	17	18	V	0.03	0.3	6.4	89
180970057	2013	3	17	19	V	0.03	0.1	6.28	86
180970057	2013	3	17	20	V	0.03	0.2	6.65	89
180970057	2013	3	17	21	V	0.03	0.1	7.4	79
180970057	2013	3	17	22	V	0.03	0.1	6.36	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	17	23	V	0.03	0.1	7.47	85
180970057	2013	3	17	24	V	0.03	0	6.75	83
180970057	2013	3	18	1	V	0.03	0	6.75	73
180970057	2013	3	18	2	V	0.03	0	6.58	74
180970057	2013	3	18	3	V	0.05	0	5.39	67
180970057	2013	3	18	4	V	0.06	0.1	4.82	67
180970057	2013	3	18	5	V	0.03	0	6.5	76
180970057	2013	3	18	6	V	0.04	0	5.79	86
180970057	2013	3	18	7	V	0.1	0	5.73	88
180970057	2013	3	18	8	V	0.2	0	5.11	98
180970057	2013	3	18	9	V	0.2	0	4.99	105
180970057	2013	3	18	10	V	0.4	0.1	3.83	120
180970057	2013	3	18	11	V	0.6	0	3.46	146
180970057	2013	3	18	12	V	1.8	0.3	3.35	174
180970057	2013	3	18	13	V	0.4	2	4.19	211
180970057	2013	3	18	14	V	0.3	1	7.89	240
180970057	2013	3	18	15	V	0.1	0.5	8.06	252
180970057	2013	3	18	16	V	0.2	0.9	8.37	260
180970057	2013	3	18	17	V	0.4	0.3	8.59	268
180970057	2013	3	18	18	V	0.5	0	8.23	266
180970057	2013	3	18	19	V	0.6	0	7.79	261
180970057	2013	3	18	20	V	0.7	0	6.7	256
180970057	2013	3	18	21	V	0.7	0	6.06	256
180970057	2013	3	18	22	V	0.6	0	4.82	239
180970057	2013	3	18	23	V	0.4	0	4.99	235
180970057	2013	3	18	24	V	0.5	0	6.74	272
180970057	2013	3	19	1	V	0.2	0	8.1	281
180970057	2013	3	19	2	V	0.04	0	8.83	287
180970057	2013	3	19	3	V	0.2	0	10.39	280
180970057	2013	3	19	4	V	0.4	0	7.81	273
180970057	2013	3	19	5	V	0.5	0	7.91	257
180970057	2013	3	19	6	V	0.5	0	7.88	253
180970057	2013	3	19	7	V	0.1	0	7.37	252
180970057	2013	3	19	8	V	0.2	0	8.32	258
180970057	2013	3	19	9	V	0.2	0	10.36	262
180970057	2013	3	19	10	V	0.1	0.1	11.57	260
180970057	2013	3	19	11	V	0.1	0.2	10.78	257
180970057	2013	3	19	12	V	0.1	0.3	11.74	259
180970057	2013	3	19	13	V	0.1	0.2	12.72	255
180970057	2013	3	19	14	V	0.1	0.1	12.28	259
180970057	2013	3	19	15	V	0.1	0.2	11.97	261
180970057	2013	3	19	16	V	0.1	0.2	10.99	268
180970057	2013	3	19	17	V	0.3	0	10.82	271
180970057	2013	3	19	18	V	0.2	0	9.75	277
180970057	2013	3	19	19	V	0.5	0	7.71	270
180970057	2013	3	19	20	V	0.7	0	5.99	260

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	19	21	V	0.6	0	5.73	264
180970057	2013	3	19	22	V	0.6	0	4.85	254
180970057	2013	3	19	23	V	0.6	0	4.85	252
180970057	2013	3	19	24	V	0.7	0	4.66	251
180970057	2013	3	20	1	V	0.6	0	4.03	256
180970057	2013	3	20	2	V	0.1	0	3.37	238
180970057	2013	3	20	3	V	0.1	0	3.44	234
180970057	2013	3	20	4	V	0.4	0.1	3.73	252
180970057	2013	3	20	5	V	0.6	0	4.05	271
180970057	2013	3	20	6	V	0.7	0	4.07	265
180970057	2013	3	20	7	V	0.1	0	5.11	285
180970057	2013	3	20	8	V	0.1	0	4.78	288
180970057	2013	3	20	9	V	0.1	0	7.71	292
180970057	2013	3	20	10	V	0.08	0.1	9.51	290
180970057	2013	3	20	11	V	0.09	0	8.22	292
180970057	2013	3	20	12	V	0.1	0	8.91	283
180970057	2013	3	20	13	V	0.09	0	9.03	286
180970057	2013	3	20	14	V	0.1	0	8.79	278
180970057	2013	3	20	15	V	0.1	0	9.3	277
180970057	2013	3	20	16	V	0.06	0	9.81	290
180970057	2013	3	20	17	V	0.08	0	9.2	285
180970057	2013	3	20	18	V	0.2	0	8.56	281
180970057	2013	3	20	19	V	0.1	0	7.69	282
180970057	2013	3	20	20	V	0.05	0	8.06	287
180970057	2013	3	20	21	V	0.03	0.1	6.84	295
180970057	2013	3	20	22	V	0.02	0	7.42	308
180970057	2013	3	20	23	V	0.01	0	6.98	304
180970057	2013	3	20	24	V	0.02	0	7.33	303
180970057	2013	3	21	1	V	0.03	0	6.24	301
180970057	2013	3	21	2	V	0.03	0	6.24	313
180970057	2013	3	21	3	V	0.04	0	5.46	302
180970057	2013	3	21	4	V	0.04	0	5.14	313
180970057	2013	3	21	5	V	0.05	0	4.76	305
180970057	2013	3	21	6	V	0.05	0	5.5	311
180970057	2013	3	21	7	V	0.2	0	4.66	318
180970057	2013	3	21	8	V	0.2	0.1	4.37	312
180970057	2013	3	21	9	V	0.2	0.4	4.6	317
180970057	2013	3	21	10	V	0.3	0.6	4.31	307
180970057	2013	3	21	11	V	0.3	0.7	4.07	294
180970057	2013	3	21	12	V	0.4	0.5	3.83	276
180970057	2013	3	21	13	V	0.5	0.4	3.39	284
180970057	2013	3	21	14	V	0.4	0.4	3.74	279
180970057	2013	3	21	15	V	0.3	0.3	4.08	266
180970057	2013	3	21	16	V	0.2	0.2	3.37	287
180970057	2013	3	21	17	V	0.07	0.1	3.44	289
180970057	2013	3	21	18	V	0.05	0.1	3.27	300

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	21	19	V	0.06	0.2	3.1	310
180970057	2013	3	21	20	V	0.2	0.2	2.37	298
180970057	2013	3	21	21	V	0.3	0.2	1.87	285
180970057	2013	3	21	22	V	0.6	0.1	2.06	268
180970057	2013	3	21	23	V	0.8	0.2	1.99	234
180970057	2013	3	21	24	V	0.6	0.3	2.91	237
180970057	2013	3	22	1	V	0.3	0.2	2.76	245
180970057	2013	3	22	2	V	0.4	0.1	2.06	248
180970057	2013	3	22	3	V	1.8	0.2	1.18	287
180970057	2013	3	22	4	V	0.5	0.4	1.64	292
180970057	2013	3	22	5	V	0.6	0.5	2.08	279
180970057	2013	3	22	6	V	0.8	0.9	1.69	279
180970057	2013	3	22	7	V	7.3	0.9	1.03	311
180970057	2013	3	22	8	V	27.9	0.9	0.77	21
180970057	2013	3	22	9	V	28.8	1.3	0.55	50
180970057	2013	3	22	10	V	29.4	1.4	1.2	202
180970057	2013	3	22	11	V	2.1	1.2	1.94	241
180970057	2013	3	22	12	V	1.0	0.5	2.13	254
180970057	2013	3	22	13	V	1.0	0.4	2.38	248
180970057	2013	3	22	14	V	0.7	0.3	2.44	249
180970057	2013	3	22	15	V	0.5	0.4	2.16	286
180970057	2013	3	22	16	V	0.5	0.8	1.99	302
180970057	2013	3	22	17	V	0.9	1.5	2.27	272
180970057	2013	3	22	18	V	0.9	1.7	2.08	277
180970057	2013	3	22	19	V	1.0	2.4	2.08	263
180970057	2013	3	22	20	V	0.6	2.9	1.55	322
180970057	2013	3	22	21	V	0.08	1.5	2.84	4
180970057	2013	3	22	22	V	19.6	0.5	1.87	46
180970057	2013	3	22	23	V	8.5	0.4	2.1	41
180970057	2013	3	22	24	V	0.9	0.4	1.86	32
180970057	2013	3	23	1	V	0.6	0.4	1.55	68
180970057	2013	3	23	2	V	0.4	0.4	1.57	87
180970057	2013	3	23	3	V	0.5	0.5	1.54	16
180970057	2013	3	23	4	V	0.1	0.7	2.22	18
180970057	2013	3	23	5	V	3.2	1	2.86	41
180970057	2013	3	23	6	V	0.3	0.8	3.03	31
180970057	2013	3	23	7	V	3.9	0.4	2.83	32
180970057	2013	3	23	8	V	6.0	0.5	2.64	33
180970057	2013	3	23	9	V	4.5	1.2	3.32	32
180970057	2013	3	23	10	V	4.9	1.6	2.45	66
180970057	2013	3	23	11	V	1.6	0.8	2.66	84
180970057	2013	3	23	12	V	12.6	4.4	1.91	35
180970057	2013	3	23	13	V	10.2	2.8	2.3	41
180970057	2013	3	23	14	V	0.9	2.8	2.38	360
180970057	2013	3	23	15	V	5.9	4.1	2.13	32
180970057	2013	3	23	16	V	4.8	2.3	3.22	35

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	23	17	V	0.1	1.1	4.83	34
180970057	2013	3	23	18	V	0.04	6.1	4.94	32
180970057	2013	3	23	19	V	1.3	2.1	5.16	48
180970057	2013	3	23	20	V	1.5	5.1	5.05	50
180970057	2013	3	23	21	V	1.9	7.8	4.82	44
180970057	2013	3	23	22	V	0.7	3.5	5.33	52
180970057	2013	3	23	23	V	0.03	-999	5.17	65
180970057	2013	3	23	24	V	1.3	1.3	5.36	50
180970057	2013	3	24	1	V	0.6	3.3	6.04	52
180970057	2013	3	24	2	V	0.3	0.9	5.67	57
180970057	2013	3	24	3	V	0.5	1.2	5.58	55
180970057	2013	3	24	4	V	0.9	5.9	6.33	50
180970057	2013	3	24	5	V	0.7	6.7	5.82	41
180970057	2013	3	24	6	V	0.05	2.2	6.48	29
180970057	2013	3	24	7	V	4.1	2.9	7.04	36
180970057	2013	3	24	8	V	12.1	3.9	6.6	50
180970057	2013	3	24	9	V	3.6	2.6	6.99	35
180970057	2013	3	24	10	V	8.5	2.3	6.41	54
180970057	2013	3	24	11	V	1.3	1.9	7.67	61
180970057	2013	3	24	12	V	5.5	1.4	7.16	56
180970057	2013	3	24	13	V	1.6	1.2	9.95	60
180970057	2013	3	24	14	V	0.09	0.9	9.73	68
180970057	2013	3	24	15	V	0.2	0.5	9.58	66
180970057	2013	3	24	16	V	0.06	0.3	8.88	75
180970057	2013	3	24	17	V	0.03	0	7.48	68
180970057	2013	3	24	18	V	0.2	0.1	5.73	58
180970057	2013	3	24	19	V	0.9	2.6	6.67	48
180970057	2013	3	24	20	V	0.3	1.5	6.52	38
180970057	2013	3	24	21	V	0.03	0.3	6.86	23
180970057	2013	3	24	22	V	0.02	0.1	8.15	22
180970057	2013	3	24	23	V	0.02	0.1	7.93	22
180970057	2013	3	24	24	V	0.02	0.1	7.15	16
180970057	2013	3	25	1	V	0.03	0	6.99	10
180970057	2013	3	25	2	V	0.03	0	6.7	356
180970057	2013	3	25	3	V	0.03	0	6.91	337
180970057	2013	3	25	4	V	0.03	0	7.32	330
180970057	2013	3	25	5	V	0.02	0	7.69	324
180970057	2013	3	25	6	V	0.02	0	7.69	324
180970057	2013	3	25	7	V	0.08	0	7.38	320
180970057	2013	3	25	8	V	0.09	0	7.42	317
180970057	2013	3	25	9	V	0.09	0	7.4	315
180970057	2013	3	25	10	V	0.07	0.1	7.48	310
180970057	2013	3	25	11	V	0.07	0.2	7.43	310
180970057	2013	3	25	12	V	0.07	0.4	8.23	314
180970057	2013	3	25	13	V	0.06	0.4	8.66	314
180970057	2013	3	25	14	V	0.07	0.3	7.42	306

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	25	15	V	0.07	0.2	6.43	304
180970057	2013	3	25	16	V	0.05	0.2	6.97	303
180970057	2013	3	25	17	V	0.04	0.2	5.77	297
180970057	2013	3	25	18	V	0.03	0.1	6.11	314
180970057	2013	3	25	19	V	0.04	0.1	5.6	308
180970057	2013	3	25	20	V	0.04	0.1	5.82	306
180970057	2013	3	25	21	V	0.03	0.1	6.7	310
180970057	2013	3	25	22	V	0.02	0.1	7.09	313
180970057	2013	3	25	23	V	0.03	0	6.52	316
180970057	2013	3	25	24	V	0.03	0.1	6.18	313
180970057	2013	3	26	1	V	0.03	0.1	6.41	313
180970057	2013	3	26	2	V	0.05	0	5.43	308
180970057	2013	3	26	3	V	0.04	0	5.53	312
180970057	2013	3	26	4	V	0.05	0	5.39	310
180970057	2013	3	26	5	V	0.07	0.1	4.73	309
180970057	2013	3	26	6	V	0.1	0.1	4.61	304
180970057	2013	3	26	7	V	0.2	0.3	3.97	301
180970057	2013	3	26	8	V	0.2	0.4	4.46	296
180970057	2013	3	26	9	V	0.2	0.5	4.6	310
180970057	2013	3	26	10	V	0.1	1	6.18	323
180970057	2013	3	26	11	V	0.1	1.3	6.53	314
180970057	2013	3	26	12	V	0.1	1.5	6.69	316
180970057	2013	3	26	13	V	0.1	1.3	6.41	301
180970057	2013	3	26	14	V	0.1	1	6.46	303
180970057	2013	3	26	15	V	0.09	0.8	6.53	304
180970057	2013	3	26	16	V	0.08	0.6	7.01	306
180970057	2013	3	26	17	V	0.03	0.4	7.42	301
180970057	2013	3	26	18	V	0.03	0.2	6.7	295
180970057	2013	3	26	19	V	0.04	0.2	5.77	297
180970057	2013	3	26	20	V	0.04	0.1	5.36	298
180970057	2013	3	26	21	V	0.4	0.1	4.36	279
180970057	2013	3	26	22	V	0.2	0	4.36	282
180970057	2013	3	26	23	V	0.7	0	3.32	264
180970057	2013	3	26	24	V	0.7	0.1	3.68	262
180970057	2013	3	27	1	V	0.7	0	3.69	260
180970057	2013	3	27	2	V	0.7	0	3.46	257
180970057	2013	3	27	3	V	0.4	0	3.49	253
180970057	2013	3	27	4	V	0.7	0	3.54	258
180970057	2013	3	27	5	V	0.6	0	3.34	256
180970057	2013	3	27	6	V	0.5	0	2.93	246
180970057	2013	3	27	7	V	0.7	0.1	3.13	241
180970057	2013	3	27	8	V	1.2	0.4	3.12	249
180970057	2013	3	27	9	V	0.5	0.4	3.32	280
180970057	2013	3	27	10	V	0.4	0.6	3.52	277
180970057	2013	3	27	11	V	0.5	1.7	3.1	285
180970057	2013	3	27	12	V	0.3	0.9	3.92	289

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	27	13	V	0.2	0.5	5.5	288
180970057	2013	3	27	14	V	0.2	0.3	5.31	299
180970057	2013	3	27	15	V	0.1	0.5	5.67	299
180970057	2013	3	27	16	V	0.1	0.4	5.6	306
180970057	2013	3	27	17	V	0.06	0.2	5.39	311
180970057	2013	3	27	18	V	0.06	0.1	4.87	316
180970057	2013	3	27	19	V	0.06	0	4.03	318
180970057	2013	3	27	20	V	0.08	0	2.84	322
180970057	2013	3	27	21	V	0.09	0	2.86	326
180970057	2013	3	27	22	V	0.2	0	2.37	309
180970057	2013	3	27	23	V	0.2	0.1	2.13	319
180970057	2013	3	27	24	V	0.2	0.1	2.32	309
180970057	2013	3	28	1	V	0.6	0.2	2.06	270
180970057	2013	3	28	2	V	1.0	0.1	2.3	274
180970057	2013	3	28	3	V	0.08	0	2.62	291
180970057	2013	3	28	4	V	0.04	0	3.46	299
180970057	2013	3	28	5	V	0.04	0.1	3.52	308
180970057	2013	3	28	6	V	0.3	0.2	3.47	301
180970057	2013	3	28	7	V	0.7	0.2	2.78	298
180970057	2013	3	28	8	V	1.5	0.4	2.54	307
180970057	2013	3	28	9	V	0.9	0.3	2.86	316
180970057	2013	3	28	10	V	0.7	0.5	3.05	326
180970057	2013	3	28	11	V	0.4	1.5	3.86	336
180970057	2013	3	28	12	V	0.4	1.5	3.51	323
180970057	2013	3	28	13	V	0.5	0.8	3.25	308
180970057	2013	3	28	14	V	0.4	0.7	3.54	290
180970057	2013	3	28	15	V	0.4	0.6	3.13	295
180970057	2013	3	28	16	V	0.3	0.5	2.69	305
180970057	2013	3	28	17	V	0.1	0.4	2.64	292
180970057	2013	3	28	18	V	0.1	0.3	2.5	325
180970057	2013	3	28	19	V	0.06	0.3	3.3	333
180970057	2013	3	28	20	V	0.06	0.2	3	350
180970057	2013	3	28	21	V	0.09	0.1	2.69	358
180970057	2013	3	28	22	V	0.1	0.1	2.44	357
180970057	2013	3	28	23	V	0.8	0.1	1.4	357
180970057	2013	3	28	24	V	6.4	0.1	0.8	127
180970057	2013	3	29	1	V	9.0	0.4	0.75	254
180970057	2013	3	29	2	V	15.8	0.5	0.53	345
180970057	2013	3	29	3	V	9.4	0.7	0.7	126
180970057	2013	3	29	4	V	28.8	1.2	1.01	54
180970057	2013	3	29	5	V	0.3	1.4	1.77	70
180970057	2013	3	29	6	V	0.7	1.1	2.16	280
180970057	2013	3	29	7	V	8.9	1.5	1.01	346
180970057	2013	3	29	8	V	5.9	1.7	1.31	135
180970057	2013	3	29	9	V	6.5	1.1	1.71	157
180970057	2013	3	29	10	V	4.8	0.8	2.16	157

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	29	11	V	1.7	0.7	2.61	140
180970057	2013	3	29	12	V	2.8	12.8	1.59	130
180970057	2013	3	29	13	V	7.0	19.6	1.45	76
180970057	2013	3	29	14	V	1.4	21.5	1.72	102
180970057	2013	3	29	15	V	26.6	12	2.35	183
180970057	2013	3	29	16	V	0.5	3.7	2.3	269
180970057	2013	3	29	17	V	0.1	1.2	2.76	358
180970057	2013	3	29	18	V	0.07	1.3	3.24	321
180970057	2013	3	29	19	V	0.06	1.6	3.49	327
180970057	2013	3	29	20	V	0.08	0.7	2.95	356
180970057	2013	3	29	21	V	0.09	0.4	2.69	23
180970057	2013	3	29	22	V	7.1	0.5	2.59	44
180970057	2013	3	29	23	V	2.2	0.4	2.37	38
180970057	2013	3	29	24	V	6.1	0.4	0.75	9
180970057	2013	3	30	1	V	0.7	0.5	1.38	136
180970057	2013	3	30	2	V	126.7	0.4	0.67	186
180970057	2013	3	30	3	V	12.0	0.8	0.52	289
180970057	2013	3	30	4	V	1.8	0.8	1.06	131
180970057	2013	3	30	5	V	20.0	0.8	1.62	43
180970057	2013	3	30	6	V	5.3	0.9	1.01	15
180970057	2013	3	30	7	V	6.6	1.1	1.23	85
180970057	2013	3	30	8	V	8.2	1.5	1.33	83
180970057	2013	3	30	9	V	1.6	0.9	2.4	157
180970057	2013	3	30	10	V	0.3	1.5	4.05	142
180970057	2013	3	30	11	V	0.3	1.4	4.56	146
180970057	2013	3	30	12	V	8.4	1.5	4.36	176
180970057	2013	3	30	13	V	0.2	3.1	4	167
180970057	2013	3	30	14	V	1.6	10.2	3.63	173
180970057	2013	3	30	15	V	13.3	12.8	3.76	182
180970057	2013	3	30	16	V	36.0	20.1	4.22	190
180970057	2013	3	30	17	V	5.8	30.9	4.24	206
180970057	2013	3	30	18	V	0.1	3.4	3.86	216
180970057	2013	3	30	19	V	0.2	1.5	3.23	211
180970057	2013	3	30	20	V	0.1	1	2.64	159
180970057	2013	3	30	21	V	0.1	0.9	3.2	154
180970057	2013	3	30	22	V	3.1	0.7	2.67	180
180970057	2013	3	30	23	V	0.1	-999	2.4	217
180970057	2013	3	30	24	V	0.5	0.4	2.45	229
180970057	2013	3	31	1	V	0.08	0.5	3.01	226
180970057	2013	3	31	2	V	0.2	0.7	3.29	236
180970057	2013	3	31	3	V	0.09	0.4	2.69	226
180970057	2013	3	31	4	V	0.09	0.3	2.96	226
180970057	2013	3	31	5	V	0.1	0.3	2.84	228
180970057	2013	3	31	6	V	0.4	0.3	2.69	243
180970057	2013	3	31	7	V	0.3	0.2	3.32	245
180970057	2013	3	31	8	V	0.5	0.2	3.35	247

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	3	31	9	V	0.3	0.1	4.46	261
180970057	2013	3	31	10	V	0.3	0	5.02	259
180970057	2013	3	31	11	V	0.2	0.1	5.28	268
180970057	2013	3	31	12	V	0.2	0.7	5.77	272
180970057	2013	3	31	13	V	0.3	0.7	5.29	254
180970057	2013	3	31	14	V	0.3	0.5	5.19	260
180970057	2013	3	31	15	V	0.2	0.4	6.35	258
180970057	2013	3	31	16	V	0.2	0.2	7.14	258
180970057	2013	3	31	17	V	0.6	0.1	7.79	255
180970057	2013	3	31	18	V	0.5	0.3	8.32	245
180970057	2013	3	31	19	V	0.5	0.4	9.39	243
180970057	2013	3	31	20	V	0.5	0	5.85	273
180970057	2013	3	31	21	V	0.7	0	5.33	249
180970057	2013	3	31	22	V	0.7	0	4.71	249
180970057	2013	3	31	23	V	0.07	0	4.97	288
180970057	2013	3	31	24	V	0.02	0	5.79	304
180970057	2013	4	1	1	V	0.01	0	7.71	318
180970057	2013	4	1	2	V	0.01	0	6.99	316
180970057	2013	4	1	3	V	0.03	0	5.1	305
180970057	2013	4	1	4	V	0.03	0	5.38	312
180970057	2013	4	1	5	V	0.03	0	6.19	311
180970057	2013	4	1	6	V	0.05	0	5.97	313
180970057	2013	4	1	7	V	0.1	0	5.79	317
180970057	2013	4	1	8	V	0.2	0.6	5.02	320
180970057	2013	4	1	9	V	0.2	1.2	5.8	335
180970057	2013	4	1	10	V	0.2	0.9	5.63	329
180970057	2013	4	1	11	V	0.2	0.7	4.92	322
180970057	2013	4	1	12	V	0.1	0.8	6.23	310
180970057	2013	4	1	13	V	0.1	0.8	6.53	300
180970057	2013	4	1	14	V	0.1	0.5	6.96	299
180970057	2013	4	1	15	V	0.1	0.4	6.74	305
180970057	2013	4	1	16	V	0.08	0.4	7.76	296
180970057	2013	4	1	17	V	0.03	0.3	7.93	295
180970057	2013	4	1	18	V	0.02	0.2	7.16	296
180970057	2013	4	1	19	V	0.02	0.3	6.8	293
180970057	2013	4	1	20	V	0.04	0.3	4.85	296
180970057	2013	4	1	21	V	0.05	0.3	4.53	306
180970057	2013	4	1	22	V	0.05	0.6	4.36	313
180970057	2013	4	1	23	V	0.05	0.4	3.93	317
180970057	2013	4	1	24	V	0.05	0.4	3.32	316
180970057	2013	4	2	1	V	0.1	0.5	2.59	306
180970057	2013	4	2	2	V	0.4	0.5	2.27	280
180970057	2013	4	2	3	V	0.8	0.5	2.55	272
180970057	2013	4	2	4	V	0.1	0.6	2.69	287
180970057	2013	4	2	5	V	0.07	0.6	3.05	287
180970057	2013	4	2	6	V	0.3	0.6	3.1	302

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	2	7	V	0.6	0.7	3.32	312
180970057	2013	4	2	8	V	0.7	1	2.89	311
180970057	2013	4	2	9	V	0.6	1.1	3.01	328
180970057	2013	4	2	10	V	1.3	1.1	2.37	334
180970057	2013	4	2	11	V	0.5	0.9	3.56	291
180970057	2013	4	2	12	V	0.4	0.9	3.78	296
180970057	2013	4	2	13	V	0.3	1.1	4.48	299
180970057	2013	4	2	14	V	0.2	0.8	4.75	304
180970057	2013	4	2	15	V	0.2	0.8	5.07	311
180970057	2013	4	2	16	V	0.1	0.7	5.33	308
180970057	2013	4	2	17	V	0.05	0.5	5.9	295
180970057	2013	4	2	18	V	0.02	0.5	5.87	298
180970057	2013	4	2	19	V	0.03	0.4	5.51	292
180970057	2013	4	2	20	V	0.06	0.5	3.83	291
180970057	2013	4	2	21	V	0.2	0.5	2.37	282
180970057	2013	4	2	22	V	0.09	0.5	2.81	297
180970057	2013	4	2	23	V	0.08	0.6	2.84	322
180970057	2013	4	2	24	V	0.03	1	3.23	359
180970057	2013	4	3	1	V	0.4	2.7	3.1	39
180970057	2013	4	3	2	V	0.2	1.2	2.52	34
180970057	2013	4	3	3	V	2.0	0.9	2.04	35
180970057	2013	4	3	4	V	3.2	0.9	1.31	29
180970057	2013	4	3	5	V	1.7	1	1.57	30
180970057	2013	4	3	6	V	1.5	1	2.62	27
180970057	2013	4	3	7	V	5.3	0.8	3	32
180970057	2013	4	3	8	V	16.0	1.4	1.94	40
180970057	2013	4	3	9	V	8.8	1.5	3.17	56
180970057	2013	4	3	10	V	9.8	4.6	4.25	53
180970057	2013	4	3	11	V	8.6	3.4	4.09	39
180970057	2013	4	3	12	V	11.9	2.2	3.95	44
180970057	2013	4	3	13	V	2.0	1.8	4.02	27
180970057	2013	4	3	14	V	13.4	1.4	4.37	45
180970057	2013	4	3	15	V	6.2	1.9	4.05	58
180970057	2013	4	3	16	V	0.1	2.5	4.14	74
180970057	2013	4	3	17	V	0.08	0.8	4.19	108
180970057	2013	4	3	18	V	0.04	0.8	4.49	105
180970057	2013	4	3	19	V	0.05	0.9	4.27	93
180970057	2013	4	3	20	V	0.04	0.7	4.26	82
180970057	2013	4	3	21	V	0.04	0.6	3.25	83
180970057	2013	4	3	22	V	0.05	0.6	2.76	91
180970057	2013	4	3	23	V	0.06	0.6	3.2	93
180970057	2013	4	3	24	V	0.06	1.1	3.07	102
180970057	2013	4	4	1	V	0.06	0.6	2.71	87
180970057	2013	4	4	2	V	0.05	0.6	2.78	89
180970057	2013	4	4	3	V	0.06	0.6	3.32	77
180970057	2013	4	4	4	V	0.06	0.6	3.66	87

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	4	5	V	0.04	0.8	4.51	84
180970057	2013	4	4	6	V	0.1	0.9	3.54	83
180970057	2013	4	4	7	V	0.3	1.1	3.25	88
180970057	2013	4	4	8	V	0.3	1.9	3.59	103
180970057	2013	4	4	9	V	0.4	2.9	3.44	116
180970057	2013	4	4	10	V	0.3	3	3.3	110
180970057	2013	4	4	11	V	0.2	2.8	4.15	117
180970057	2013	4	4	12	V	0.2	2.1	3.37	122
180970057	2013	4	4	13	V	0.6	1.8	2.37	91
180970057	2013	4	4	14	V	0.4	1.6	2.45	157
180970057	2013	4	4	15	V	0.5	1.6	1.81	148
180970057	2013	4	4	16	V	0.8	4.1	1.49	254
180970057	2013	4	4	17	V	22.1	23.8	1.31	204
180970057	2013	4	4	18	V	0.07	7.6	2.39	306
180970057	2013	4	4	19	V	0.04	6	3.03	310
180970057	2013	4	4	20	V	0.3	4.7	1.55	306
180970057	2013	4	4	21	V	0.4	3.3	1.55	310
180970057	2013	4	4	22	V	0.7	2.6	1.31	296
180970057	2013	4	4	23	V	0.9	2	1.98	277
180970057	2013	4	4	24	V	0.7	1.8	1.74	279
180970057	2013	4	5	1	V	0.8	1.5	1.79	278
180970057	2013	4	5	2	V	0.3	1.1	2.16	249
180970057	2013	4	5	3	V	0.7	1.2	2.61	256
180970057	2013	4	5	4	V	0.2	1.2	3.2	249
180970057	2013	4	5	5	V	0.2	1	3.08	251
180970057	2013	4	5	6	V	0.6	1	2.4	258
180970057	2013	4	5	7	V	0.8	1.8	2.49	297
180970057	2013	4	5	8	V	0.3	2.1	3.98	341
180970057	2013	4	5	9	V	0.2	1.6	4.34	1
180970057	2013	4	5	10	V	0.2	1.6	4.75	2
180970057	2013	4	5	11	V	0.1	1.4	5.44	6
180970057	2013	4	5	12	V	0.1	1.2	5.5	358
180970057	2013	4	5	13	V	0.1	1	5.68	6
180970057	2013	4	5	14	V	0.2	0.9	5.55	20
180970057	2013	4	5	15	V	0.1	0.7	5.05	12
180970057	2013	4	5	16	V	0.1	1.9	3.64	13
180970057	2013	4	5	17	V	0.1	2.9	3.63	16
180970057	2013	4	5	18	V	0.04	0.7	3.68	346
180970057	2013	4	5	19	V	0.04	0.7	4.02	346
180970057	2013	4	5	20	V	0.04	0.5	4.03	350
180970057	2013	4	5	21	V	0.04	0.5	3.07	12
180970057	2013	4	5	22	V	0.05	2.2	2.88	33
180970057	2013	4	5	23	V	0.1	6.4	3.32	36
180970057	2013	4	5	24	V	0.04	0.6	4.41	23
180970057	2013	4	6	1	V	3.5	0.8	3.93	44
180970057	2013	4	6	2	V	0.05	0.6	2.88	65

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	6	3	V	0.06	0.8	2.42	98
180970057	2013	4	6	4	V	0.1	0.7	2.23	103
180970057	2013	4	6	5	V	0.05	2.3	3.23	94
180970057	2013	4	6	6	V	0.1	2.4	4.92	111
180970057	2013	4	6	7	V	0.1	2.6	4.85	123
180970057	2013	4	6	8	V	0.08	2.9	6.38	126
180970057	2013	4	6	9	V	0.07	3.1	7.08	138
180970057	2013	4	6	10	V	0.09	2.6	6.74	146
180970057	2013	4	6	11	V	0.08	2.5	7.86	140
180970057	2013	4	6	12	V	0.1	3.1	6.65	147
180970057	2013	4	6	13	V	0.1	3.3	6.99	154
180970057	2013	4	6	14	V	0.1	2.1	6.89	161
180970057	2013	4	6	15	V	0.1	1.9	7.59	167
180970057	2013	4	6	16	V	0.08	1.9	8.2	165
180970057	2013	4	6	17	V	0.05	2.2	8.47	161
180970057	2013	4	6	18	V	1.1	1.8	9.42	177
180970057	2013	4	6	19	V	15.9	7.5	8.22	190
180970057	2013	4	6	20	V	18.3	15.9	6.69	190
180970057	2013	4	6	21	V	3.2	1.5	6.86	182
180970057	2013	4	6	22	V	3.0	3.9	7.35	182
180970057	2013	4	6	23	V	3.2	-999	7.25	184
180970057	2013	4	6	24	V	12.9	48	7.72	190
180970057	2013	4	7	1	V	17.2	45.2	7.09	191
180970057	2013	4	7	2	V	1.0	6	9.17	207
180970057	2013	4	7	3	V	0.05	3.4	10.9	225
180970057	2013	4	7	4	V	0.05	2.8	9.27	227
180970057	2013	4	7	5	V	0.08	2.3	8.23	230
180970057	2013	4	7	6	V	0.1	1.8	6.09	232
180970057	2013	4	7	7	V	0.2	1.4	5.31	240
180970057	2013	4	7	8	V	0.2	2.1	5.9	238
180970057	2013	4	7	9	V	0.2	2.2	6.86	254
180970057	2013	4	7	10	V	0.2	2	7.64	273
180970057	2013	4	7	11	V	0.2	1.7	7.88	260
180970057	2013	4	7	12	V	0.2	1.3	6.94	261
180970057	2013	4	7	13	V	0.2	0.9	6.97	271
180970057	2013	4	7	14	V	0.1	0.7	7.59	279
180970057	2013	4	7	15	V	0.1	0.6	7.28	283
180970057	2013	4	7	16	V	0.2	0.5	6.19	276
180970057	2013	4	7	17	V	0.05	0.7	4.36	284
180970057	2013	4	7	18	V	0.09	0.8	2.93	307
180970057	2013	4	7	19	V	0.1	0.8	2.28	326
180970057	2013	4	7	20	V	0.1	0.7	2.27	17
180970057	2013	4	7	21	V	7.3	0.5	1.89	55
180970057	2013	4	7	22	V	0.1	1.2	3	129
180970057	2013	4	7	23	V	2.6	1	3.03	179
180970057	2013	4	7	24	V	0.1	1.3	4	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	8	1	V	16.5	3	5.27	185
180970057	2013	4	8	2	V	86.4	2.7	3.64	193
180970057	2013	4	8	3	V	0.2	2.6	1.77	224
180970057	2013	4	8	4	V	0.1	1.4	2.78	156
180970057	2013	4	8	5	V	0.1	0.9	4.02	146
180970057	2013	4	8	6	V	0.1	0.8	5.12	151
180970057	2013	4	8	7	V	0.2	0.7	4.78	148
180970057	2013	4	8	8	V	0.1	0.9	5.58	145
180970057	2013	4	8	9	V	0.1	-999	6.74	161
180970057	2013	4	8	10	V	5.1	-999	7.48	178
180970057	2013	4	8	11	V	46.1	29.7	8.37	195
180970057	2013	4	8	12	V	0.7	9	8.83	209
180970057	2013	4	8	13	V	0.09	4.9	10.27	227
180970057	2013	4	8	14	V	0.1	2.8	9.59	229
180970057	2013	4	8	15	V	0.07	3.2	8.72	223
180970057	2013	4	8	16	V	0.07	2.7	8.08	223
180970057	2013	4	8	17	V	0.05	3.2	8.15	218
180970057	2013	4	8	18	V	0.05	2.6	8.61	222
180970057	2013	4	8	19	V	0.05	1.1	6.86	221
180970057	2013	4	8	20	V	0.1	0.8	4.34	215
180970057	2013	4	8	21	V	2.9	0.9	4.75	206
180970057	2013	4	8	22	V	29.5	1.5	3.22	199
180970057	2013	4	8	23	V	0.09	2.4	3.15	165
180970057	2013	4	8	24	V	0.2	0.8	3.41	174
180970057	2013	4	9	1	V	0.06	0.6	3.03	142
180970057	2013	4	9	2	V	0.1	0.5	3.83	170
180970057	2013	4	9	3	V	0.08	0.6	3.93	166
180970057	2013	4	9	4	V	0.08	0.5	2.55	114
180970057	2013	4	9	5	V	0.2	0.5	2.2	99
180970057	2013	4	9	6	V	0.3	1.1	3.42	104
180970057	2013	4	9	7	V	0.3	1.1	4	122
180970057	2013	4	9	8	V	0.5	1.1	3.39	135
180970057	2013	4	9	9	V	1.9	1.6	3.37	165
180970057	2013	4	9	10	V	32.3	18.1	7.6	187
180970057	2013	4	9	11	V	42.4	18.5	8.3	194
180970057	2013	4	9	12	V	37.0	7.6	10.61	195
180970057	2013	4	9	13	V	26.6	14	11.85	198
180970057	2013	4	9	14	V	5.1	9.9	11.85	205
180970057	2013	4	9	15	V	0.2	3.5	11.43	212
180970057	2013	4	9	16	V	0.08	1.7	11.96	227
180970057	2013	4	9	17	V	0.05	1.5	10.05	221
180970057	2013	4	9	18	V	0.07	1.4	8.5	224
180970057	2013	4	9	19	V	0.2	2.4	5.38	210
180970057	2013	4	9	20	V	0.5	3.6	5.5	209
180970057	2013	4	9	21	V	4.1	3.6	4.86	205
180970057	2013	4	9	22	V	1.7	5.4	6.46	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	9	23	V	23.1	5.8	6.81	193
180970057	2013	4	9	24	V	23.9	7.2	6.3	195
180970057	2013	4	10	1	V	31.5	6.2	5.6	193
180970057	2013	4	10	2	V	2.7	8.6	3.98	179
180970057	2013	4	10	3	V	0.1	2.8	3.35	173
180970057	2013	4	10	4	V	2.5	2.4	4.02	178
180970057	2013	4	10	5	V	22.0	4.8	3.74	184
180970057	2013	4	10	6	V	3.0	2.5	3.42	172
180970057	2013	4	10	7	V	15.2	3.1	4.09	179
180970057	2013	4	10	8	V	11.5	10.1	6.18	204
180970057	2013	4	10	9	V	0.1	9	7.59	217
180970057	2013	4	10	10	V	0.1	6.1	9.56	217
180970057	2013	4	10	11	V	0.07	6.2	9.42	219
180970057	2013	4	10	12	V	0.08	4.7	10.44	224
180970057	2013	4	10	13	V	0.08	3	10.19	222
180970057	2013	4	10	14	V	0.1	3.1	10.19	225
180970057	2013	4	10	15	V	0.08	2.6	10.63	226
180970057	2013	4	10	16	V	0.07	1.6	8.32	219
180970057	2013	4	10	17	V	1.8	2.2	7.11	206
180970057	2013	4	10	18	V	0.05	0.8	5.49	4
180970057	2013	4	10	19	V	0.1	0.9	3.66	29
180970057	2013	4	10	20	V	0.04	0.4	6.09	8
180970057	2013	4	10	21	V	0.03	0.6	6.5	24
180970057	2013	4	10	22	V	0.05	1.2	5.19	69
180970057	2013	4	10	23	V	0.06	0.4	5.02	88
180970057	2013	4	10	24	V	0.04	0.7	5.89	102
180970057	2013	4	11	1	V	0.04	1	5.73	123
180970057	2013	4	11	2	V	0.4	0.6	6.75	277
180970057	2013	4	11	3	V	0.3	0.2	4.7	282
180970057	2013	4	11	4	V	0.09	0.2	2.54	136
180970057	2013	4	11	5	V	0.1	1.6	2.61	114
180970057	2013	4	11	6	V	0.2	0.4	3.74	120
180970057	2013	4	11	7	V	0.2	0.1	4.58	132
180970057	2013	4	11	8	V	0.2	0.1	4.92	143
180970057	2013	4	11	9	V	0.2	0.1	5.22	138
180970057	2013	4	11	10	V	0.1	0.2	6.16	146
180970057	2013	4	11	11	V	0.09	0.3	6.72	162
180970057	2013	4	11	12	V	4.3	0.2	7.86	180
180970057	2013	4	11	13	V	4.2	2.2	7.57	180
180970057	2013	4	11	14	V	0.07	0.5	7.94	168
180970057	2013	4	11	15	V	25.4	1.2	6.11	186
180970057	2013	4	11	16	V	28.2	2.5	4.88	198
180970057	2013	4	11	17	V	0.6	0.6	4.73	173
180970057	2013	4	11	18	V	0.06	0.3	5.9	172
180970057	2013	4	11	19	V	0.08	2.2	6.11	222
180970057	2013	4	11	20	V	0.1	0.7	4.39	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	11	21	V	0.4	0.2	4.41	280
180970057	2013	4	11	22	V	0.1	0.1	4.49	288
180970057	2013	4	11	23	V	0.08	0	6.8	286
180970057	2013	4	11	24	V	0.2	0	7.69	281
180970057	2013	4	12	1	V	0.2	0	8.83	280
180970057	2013	4	12	2	V	0.2	0	9.29	278
180970057	2013	4	12	3	V	0.2	0	8.25	280
180970057	2013	4	12	4	V	0.5	0	6.99	272
180970057	2013	4	12	5	V	0.6	0.2	7.47	262
180970057	2013	4	12	6	V	0.2	0.1	7.54	255
180970057	2013	4	12	7	V	0.2	0.2	6.01	245
180970057	2013	4	12	8	V	0.2	0.3	6.64	243
180970057	2013	4	12	9	V	0.2	0.4	6.74	231
180970057	2013	4	12	10	V	0.3	0.5	7.86	237
180970057	2013	4	12	11	V	0.3	0.4	7.86	238
180970057	2013	4	12	12	V	0.4	0.5	8.23	243
180970057	2013	4	12	13	V	0.2	0.4	7.94	249
180970057	2013	4	12	14	V	0.2	0.3	8.25	249
180970057	2013	4	12	15	V	0.2	0.3	8.64	248
180970057	2013	4	12	16	V	0.4	0.4	9.2	243
180970057	2013	4	12	17	V	0.5	0.3	8.37	247
180970057	2013	4	12	18	V	0.6	0.4	7.81	254
180970057	2013	4	12	19	V	0.7	0.5	7.11	263
180970057	2013	4	12	20	V	0.3	0.2	7.64	276
180970057	2013	4	12	21	V	0.6	0.2	6.38	268
180970057	2013	4	12	22	V	0.7	0.3	5.22	257
180970057	2013	4	12	23	V	0.7	0.2	5.16	247
180970057	2013	4	12	24	V	0.7	0.3	5.36	248
180970057	2013	4	13	1	V	0.4	0.9	5.48	249
180970057	2013	4	13	2	V	0.3	0.9	5.5	246
180970057	2013	4	13	3	V	0.3	0.9	5.38	247
180970057	2013	4	13	4	V	0.3	0.8	5.68	247
180970057	2013	4	13	5	V	0.3	1	5.36	243
180970057	2013	4	13	6	V	0.2	0.9	5.62	245
180970057	2013	4	13	7	V	0.2	0.9	6.3	246
180970057	2013	4	13	8	V	0.2	-999	6.4	253
180970057	2013	4	13	9	V	0.4	-999	6.91	245
180970057	2013	4	13	10	V	0.3	-999	8.33	237
180970057	2013	4	13	11	V	0.3	-999	10.36	245
180970057	2013	4	13	12	V	0.2	-999	9.75	257
180970057	2013	4	13	13	V	0.2	-999	10.39	264
180970057	2013	4	13	14	V	0.1	-999	8.91	278
180970057	2013	4	13	15	V	0.1	-999	8.33	275
180970057	2013	4	13	16	V	0.1	-999	8.03	273
180970057	2013	4	13	17	V	0.1	-999	7.6	272
180970057	2013	4	13	18	V	0.4	-999	6.18	276

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	13	19	V	0.05	-999	4.14	296
180970057	2013	4	13	20	V	0.09	-999	2.47	322
180970057	2013	4	13	21	V	0.3	-999	1.64	350
180970057	2013	4	13	22	V	17.9	-999	1.03	59
180970057	2013	4	13	23	V	0.2	-999	2.18	121
180970057	2013	4	13	24	V	0.06	-999	2.84	121
180970057	2013	4	14	1	V	0.07	-999	2.84	114
180970057	2013	4	14	2	V	0.05	-999	3.57	112
180970057	2013	4	14	3	V	0.09	-999	2.79	99
180970057	2013	4	14	4	V	0.09	-999	3.63	109
180970057	2013	4	14	5	V	0.09	-999	3.34	117
180970057	2013	4	14	6	V	0.3	-999	3.66	93
180970057	2013	4	14	7	V	0.5	-999	3.64	100
180970057	2013	4	14	8	V	0.3	-999	3.91	120
180970057	2013	4	14	9	V	0.3	-999	4.14	116
180970057	2013	4	14	10	V	0.2	-999	5.02	134
180970057	2013	4	14	11	V	0.1	-999	5.41	135
180970057	2013	4	14	12	V	0.2	-999	5.09	135
180970057	2013	4	14	13	V	0.2	-999	4.73	142
180970057	2013	4	14	14	V	0.2	-999	4.41	127
180970057	2013	4	14	15	V	0.1	-999	6.01	144
180970057	2013	4	14	16	V	0.1	-999	6.14	157
180970057	2013	4	14	17	V	0.05	-999	7.18	138
180970057	2013	4	14	18	V	0.03	-999	7.62	136
180970057	2013	4	14	19	V	0.02	-999	7.09	138
180970057	2013	4	14	20	V	0.02	-999	5.75	136
180970057	2013	4	14	21	V	0.04	-999	4.77	140
180970057	2013	4	14	22	V	0.03	-999	5.11	142
180970057	2013	4	14	23	V	0.02	-999	5.77	152
180970057	2013	4	14	24	V	0.1	-999	6.82	176
180970057	2013	4	15	1	V	0.08	-999	6.38	176
180970057	2013	4	15	2	V	0.3	-999	7.16	178
180970057	2013	4	15	3	V	2.5	-999	5.9	181
180970057	2013	4	15	4	V	5.5	-999	5.39	183
180970057	2013	4	15	5	V	0.08	-999	4.56	159
180970057	2013	4	15	6	V	0.2	-999	4.1	142
180970057	2013	4	15	7	V	0.4	-999	3.1	150
180970057	2013	4	15	8	V	0.1	-999	3.93	166
180970057	2013	4	15	9	V	0.5	-999	5.05	174
180970057	2013	4	15	10	V	23.6	-999	5.77	185
180970057	2013	4	15	11	V	44.5	-999	6.21	192
180970057	2013	4	15	12	V	45.4	-999	5.56	193
180970057	2013	4	15	13	V	35.9	-999	5.89	197
180970057	2013	4	15	14	V	3.4	-999	7.23	179
180970057	2013	4	15	15	V	0.7	-999	6.7	175
180970057	2013	4	15	16	V	19.6	-999	4.51	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	15	17	V	1.0	-999	4.46	178
180970057	2013	4	15	18	V	0.3	-999	4.61	175
180970057	2013	4	15	19	V	0.09	-999	5.09	174
180970057	2013	4	15	20	V	0.04	-999	4.94	170
180970057	2013	4	15	21	V	0.06	-999	4.12	142
180970057	2013	4	15	22	V	0.04	-999	5.04	149
180970057	2013	4	15	23	V	0.02	-999	6.01	151
180970057	2013	4	15	24	V	0.03	-999	6.36	153
180970057	2013	4	16	1	V	0.04	-999	5.94	152
180970057	2013	4	16	2	V	0.05	-999	5.38	161
180970057	2013	4	16	3	V	0.06	-999	5	164
180970057	2013	4	16	4	V	15.2	-999	6.12	199
180970057	2013	4	16	5	V	0.04	-999	6.01	307
180970057	2013	4	16	6	V	0.2	-999	3.93	348
180970057	2013	4	16	7	V	4.3	-999	1.84	23
180970057	2013	4	16	8	V	1.3	-999	2.4	316
180970057	2013	4	16	9	V	1.6	-999	1.69	82
180970057	2013	4	16	10	V	0.3	-999	3.25	3
180970057	2013	4	16	11	V	0.1	-999	5.73	334
180970057	2013	4	16	12	V	0.2	-999	3.97	358
180970057	2013	4	16	13	V	0.2	-999	4.34	21
180970057	2013	4	16	14	V	0.09	-999	5.5	6
180970057	2013	4	16	15	V	0.4	-999	2.1	344
180970057	2013	4	16	16	V	0.9	-999	2.71	31
180970057	2013	4	16	17	V	0.2	-999	3.63	78
180970057	2013	4	16	18	V	0.03	-999	6.79	8
180970057	2013	4	16	19	V	0.06	-999	6.11	32
180970057	2013	4	16	20	V	0.5	-999	5.04	38
180970057	2013	4	16	21	V	2.1	-999	4.82	43
180970057	2013	4	16	22	V	3.0	-999	4.49	51
180970057	2013	4	16	23	V	4.4	-999	4.2	51
180970057	2013	4	16	24	V	1.5	-999	5.02	52
180970057	2013	4	17	1	V	0.4	-999	3.97	33
180970057	2013	4	17	2	V	0.7	-999	4.63	37
180970057	2013	4	17	3	V	2.5	-999	4.85	47
180970057	2013	4	17	4	V	1.3	-999	5.21	42
180970057	2013	4	17	5	V	2.5	-999	4.88	48
180970057	2013	4	17	6	V	10.6	-999	4.87	53
180970057	2013	4	17	7	V	2.6	-999	4.71	62
180970057	2013	4	17	8	V	1.0	-999	4.48	67
180970057	2013	4	17	9	V	0.8	1	4.65	68
180970057	2013	4	17	10	V	0.2	1.3	5.14	97
180970057	2013	4	17	11	V	0.2	1.7	4.95	113
180970057	2013	4	17	12	V	0.1	1	5.5	115
180970057	2013	4	17	13	V	0.1	1.5	4.34	120
180970057	2013	4	17	14	V	0.1	2.1	5.56	130

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	17	15	V	0.09	2.5	5.05	137
180970057	2013	4	17	16	V	0.09	2.5	6.52	130
180970057	2013	4	17	17	V	0.06	1.5	7.37	141
180970057	2013	4	17	18	V	0.03	0.9	7.89	156
180970057	2013	4	17	19	V	0.03	0.4	6.69	157
180970057	2013	4	17	20	V	0.03	0.2	6.23	168
180970057	2013	4	17	21	V	0.07	0.1	4.43	157
180970057	2013	4	17	22	V	0.06	0.1	3.97	140
180970057	2013	4	17	23	V	0.06	0	3.83	126
180970057	2013	4	17	24	V	0.05	0	4.97	131
180970057	2013	4	18	1	V	0.03	0	6.11	142
180970057	2013	4	18	2	V	0.03	0	6.87	153
180970057	2013	4	18	3	V	0.03	0	6.41	169
180970057	2013	4	18	4	V	0.3	0	7.52	177
180970057	2013	4	18	5	V	4.1	0.4	7.48	183
180970057	2013	4	18	6	V	0.6	0.4	7.91	173
180970057	2013	4	18	7	V	0.2	0.1	7.37	168
180970057	2013	4	18	8	V	0.1	0.2	7.01	164
180970057	2013	4	18	9	V	0.2	0.5	9.61	172
180970057	2013	4	18	10	V	9.3	3.5	10	182
180970057	2013	4	18	11	V	43.4	62.5	11.33	193
180970057	2013	4	18	12	V	18.2	49.5	11.99	200
180970057	2013	4	18	13	V	1.7	33.2	10	207
180970057	2013	4	18	14	V	0.1	6.5	4.87	313
180970057	2013	4	18	15	V	0.3	1	2.52	11
180970057	2013	4	18	16	V	0.1	2.4	3.32	75
180970057	2013	4	18	17	V	0.07	2.1	5.97	9
180970057	2013	4	18	18	V	0.2	0.4	5.26	282
180970057	2013	4	18	19	V	0.5	0.1	2.4	230
180970057	2013	4	18	20	V	0.2	0	2.1	107
180970057	2013	4	18	21	V	0.2	0.6	1.87	122
180970057	2013	4	18	22	V	0.1	0.5	3.35	156
180970057	2013	4	18	23	V	0.07	0.2	4.61	160
180970057	2013	4	18	24	V	0.09	0	7.25	285
180970057	2013	4	19	1	V	0.04	0	7.06	289
180970057	2013	4	19	2	V	0.07	0	7.74	286
180970057	2013	4	19	3	V	0.3	0	7.43	278
180970057	2013	4	19	4	V	0.4	0	8.03	275
180970057	2013	4	19	5	V	0.3	0	9.92	274
180970057	2013	4	19	6	V	0.1	0	8.96	271
180970057	2013	4	19	7	V	0.1	0	9.64	267
180970057	2013	4	19	8	V	0.2	0	9.03	263
180970057	2013	4	19	9	V	0.2	0	9.47	259
180970057	2013	4	19	10	V	0.3	0	10.63	247
180970057	2013	4	19	11	V	0.3	0	10.58	246
180970057	2013	4	19	12	V	0.3	0	10.14	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	19	13	V	0.2	0	11	249
180970057	2013	4	19	14	V	0.3	0	10.92	243
180970057	2013	4	19	15	V	0.3	0	11.06	241
180970057	2013	4	19	16	V	0.3	0	9.42	246
180970057	2013	4	19	17	V	0.4	0	9.24	244
180970057	2013	4	19	18	V	0.4	0	8.78	242
180970057	2013	4	19	19	V	0.4	0	7.64	241
180970057	2013	4	19	20	V	0.4	0	7.21	242
180970057	2013	4	19	21	V	0.3	0	5.72	234
180970057	2013	4	19	22	V	0.3	0	6.52	235
180970057	2013	4	19	23	V	0.7	0	7.13	259
180970057	2013	4	19	24	V	0.5	0	5.48	239
180970057	2013	4	20	1	V	0.2	0.1	5.79	243
180970057	2013	4	20	2	V	0.7	0	5.14	257
180970057	2013	4	20	3	V	0.5	0	4.6	253
180970057	2013	4	20	4	V	0.5	0	5.16	274
180970057	2013	4	20	5	V	0.6	0	3.35	265
180970057	2013	4	20	6	V	0.7	0	3.3	262
180970057	2013	4	20	7	V	0.5	0.1	3.54	253
180970057	2013	4	20	8	V	0.4	0.1	4.25	264
180970057	2013	4	20	9	V	0.2	0.2	5.36	296
180970057	2013	4	20	10	V	0.2	0.2	5.67	291
180970057	2013	4	20	11	V	0.1	0.1	5.89	287
180970057	2013	4	20	12	V	0.2	0.1	5.46	294
180970057	2013	4	20	13	V	0.2	0.2	5.09	293
180970057	2013	4	20	14	V	0.2	0.2	5.72	299
180970057	2013	4	20	15	V	0.2	0.1	4.8	315
180970057	2013	4	20	16	V	0.2	0.1	4.49	311
180970057	2013	4	20	17	V	0.07	0.1	4.51	325
180970057	2013	4	20	18	V	0.05	0.2	4.24	329
180970057	2013	4	20	19	V	0.05	0.1	4.37	334
180970057	2013	4	20	20	V	0.05	0.1	3.25	3
180970057	2013	4	20	21	V	0.05	0.1	3.83	8
180970057	2013	4	20	22	V	0.05	0.1	3.63	14
180970057	2013	4	20	23	V	0.05	0.2	3.4	29
180970057	2013	4	20	24	V	1.2	1	3.05	41
180970057	2013	4	21	1	V	6.9	1.3	2.83	47
180970057	2013	4	21	2	V	0.2	0.6	4.09	58
180970057	2013	4	21	3	V	0.03	0.3	5.12	74
180970057	2013	4	21	4	V	0.06	0.2	3.95	83
180970057	2013	4	21	5	V	0.1	0.2	3.68	82
180970057	2013	4	21	6	V	0.3	0.2	3.59	78
180970057	2013	4	21	7	V	0.3	0.2	3.83	82
180970057	2013	4	21	8	V	0.2	0.3	4.51	93
180970057	2013	4	21	9	V	0.1	0.3	5.9	94
180970057	2013	4	21	10	V	0.1	1.1	6.62	108

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	21	11	V	0.2	1	5.48	112
180970057	2013	4	21	12	V	0.1	0.7	5.31	114
180970057	2013	4	21	13	V	0.2	0.7	4.07	115
180970057	2013	4	21	14	V	0.2	0.6	3.93	101
180970057	2013	4	21	15	V	0.2	0.6	4.03	85
180970057	2013	4	21	16	V	0.2	0.5	4.31	83
180970057	2013	4	21	17	V	0.06	1	4.14	89
180970057	2013	4	21	18	V	0.08	1.2	4.49	97
180970057	2013	4	21	19	V	0.04	0.5	5.21	92
180970057	2013	4	21	20	V	0.06	0.5	4.75	82
180970057	2013	4	21	21	V	0.09	0.7	4.07	83
180970057	2013	4	21	22	V	0.08	0.8	4.19	89
180970057	2013	4	21	23	V	0.09	0.7	3.76	95
180970057	2013	4	21	24	V	0.05	1.7	3.37	95
180970057	2013	4	22	1	V	0.05	2.1	4.14	105
180970057	2013	4	22	2	V	0.04	3.3	3.66	112
180970057	2013	4	22	3	V	0.05	2.8	3.07	108
180970057	2013	4	22	4	V	0.07	2.1	2.78	101
180970057	2013	4	22	5	V	0.08	1	2.55	85
180970057	2013	4	22	6	V	7.4	1	2.74	59
180970057	2013	4	22	7	V	15.1	1.4	2.54	43
180970057	2013	4	22	8	V	3.2	1.9	2.38	78
180970057	2013	4	22	9	V	1.0	6	2.96	110
180970057	2013	4	22	10	V	1.4	7.9	2.5	128
180970057	2013	4	22	11	V	2.0	35.6	2.08	120
180970057	2013	4	22	12	V	3.2	18.8	1.77	143
180970057	2013	4	22	13	V	1.2	2.8	2.44	124
180970057	2013	4	22	14	V	0.7	1.5	2.81	141
180970057	2013	4	22	15	V	1.2	1.4	2.18	150
180970057	2013	4	22	16	V	0.4	3.5	3	153
180970057	2013	4	22	17	V	0.1	3.2	3.39	144
180970057	2013	4	22	18	V	0.06	1.5	3.85	123
180970057	2013	4	22	19	V	0.06	0.7	4.29	119
180970057	2013	4	22	20	V	0.06	4.4	4.03	115
180970057	2013	4	22	21	V	0.05	2.1	3.24	131
180970057	2013	4	22	22	V	0.05	1.3	3.4	135
180970057	2013	4	22	23	V	0.05	1.4	3.71	146
180970057	2013	4	22	24	V	0.06	1.4	4	148
180970057	2013	4	23	1	V	0.08	1.1	3.17	160
180970057	2013	4	23	2	V	0.09	0.7	2.71	148
180970057	2013	4	23	3	V	0.1	0.6	2.61	137
180970057	2013	4	23	4	V	0.09	0.6	4.31	130
180970057	2013	4	23	5	V	0.1	0.7	4.39	157
180970057	2013	4	23	6	V	0.4	0.5	3.41	148
180970057	2013	4	23	7	V	0.3	0.6	4.39	146
180970057	2013	4	23	8	V	0.2	1.2	4.32	146

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	23	9	V	0.2	1.3	4.82	161
180970057	2013	4	23	10	V	5.3	2.7	5.24	177
180970057	2013	4	23	11	V	44.5	46.6	5.41	191
180970057	2013	4	23	12	V	41.1	26.3	6.3	193
180970057	2013	4	23	13	V	47.7	11.5	7.35	190
180970057	2013	4	23	14	V	0.7	25.4	8.15	209
180970057	2013	4	23	15	V	43.5	2.6	6.43	196
180970057	2013	4	23	16	V	0.1	1.8	4.48	170
180970057	2013	4	23	17	V	4.0	1	4.14	175
180970057	2013	4	23	18	V	31.6	0.4	3.73	185
180970057	2013	4	23	19	V	0.1	0.2	3.98	163
180970057	2013	4	23	20	V	0.1	0.1	4.17	151
180970057	2013	4	23	21	V	0.06	0.2	4.88	159
180970057	2013	4	23	22	V	0.09	0.1	5.96	173
180970057	2013	4	23	23	V	0.9	0.4	3.75	247
180970057	2013	4	23	24	V	0.1	0.1	2.23	286
180970057	2013	4	24	1	V	0.6	0	3.53	275
180970057	2013	4	24	2	V	0.04	0	5.77	315
180970057	2013	4	24	3	V	0.04	0	5.67	312
180970057	2013	4	24	4	V	0.03	0	6.33	317
180970057	2013	4	24	5	V	0.06	0	5.36	321
180970057	2013	4	24	6	V	0.1	0	5.72	317
180970057	2013	4	24	7	V	0.1	0	6.04	319
180970057	2013	4	24	8	V	0.08	0	6.21	331
180970057	2013	4	24	9	V	0.08	0	6.65	332
180970057	2013	4	24	10	V	0.08	0	6.99	319
180970057	2013	4	24	11	V	0.06	0	9.46	316
180970057	2013	4	24	12	V	0.07	0	7.86	324
180970057	2013	4	24	13	V	0.08	0.1	7.52	311
180970057	2013	4	24	14	V	0.08	0.2	7.03	291
180970057	2013	4	24	15	V	0.1	0.1	6.55	287
180970057	2013	4	24	16	V	0.1	0.1	7.14	282
180970057	2013	4	24	17	V	0.08	0.1	7.47	280
180970057	2013	4	24	18	V	0.3	0.1	7.06	278
180970057	2013	4	24	19	V	0.6	0.1	5.31	271
180970057	2013	4	24	20	V	0.7	0	4.05	266
180970057	2013	4	24	21	V	0.8	0	3.61	253
180970057	2013	4	24	22	V	1.0	0.1	3.35	244
180970057	2013	4	24	23	V	0.7	-999	3.54	254
180970057	2013	4	24	24	V	0.9	0.1	3.69	246
180970057	2013	4	25	1	V	0.07	0.1	3.22	226
180970057	2013	4	25	2	V	0.05	0.1	3.25	218
180970057	2013	4	25	3	V	0.4	0.4	3.25	207
180970057	2013	4	25	4	V	0.3	0.8	3.97	208
180970057	2013	4	25	5	V	5.7	1.5	3.73	204
180970057	2013	4	25	6	V	51.2	2	4.36	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	25	7	V	54.4	2.8	4.31	196
180970057	2013	4	25	8	V	9.9	2.9	5.97	205
180970057	2013	4	25	9	V	0.8	5.7	6.87	212
180970057	2013	4	25	10	V	0.3	4.9	8.35	239
180970057	2013	4	25	11	V	0.3	2.2	8.11	248
180970057	2013	4	25	12	V	0.2	1.8	8.42	267
180970057	2013	4	25	13	V	0.2	1	10	264
180970057	2013	4	25	14	V	0.1	0.5	9.78	273
180970057	2013	4	25	15	V	0.1	0.4	9.22	272
180970057	2013	4	25	16	V	0.1	0.4	8.1	281
180970057	2013	4	25	17	V	0.09	0.4	7.69	280
180970057	2013	4	25	18	V	0.09	0.5	6.35	285
180970057	2013	4	25	19	V	0.2	0.7	5.07	283
180970057	2013	4	25	20	V	0.05	0.7	3.42	296
180970057	2013	4	25	21	V	0.4	0.5	1.64	303
180970057	2013	4	25	22	V	4.3	0.5	0.91	294
180970057	2013	4	25	23	V	13.0	0.5	0.58	113
180970057	2013	4	25	24	V	0.4	0.5	1.71	116
180970057	2013	4	26	1	V	0.3	0.6	1.81	93
180970057	2013	4	26	2	V	0.2	0.5	2.27	109
180970057	2013	4	26	3	V	0.09	0.6	2.76	119
180970057	2013	4	26	4	V	0.07	0.6	3.22	127
180970057	2013	4	26	5	V	0.2	0.4	1.89	130
180970057	2013	4	26	6	V	0.5	0.2	3.01	136
180970057	2013	4	26	7	V	0.4	0.5	4.12	134
180970057	2013	4	26	8	V	0.2	1.7	4.9	139
180970057	2013	4	26	9	V	0.2	2.5	5.82	137
180970057	2013	4	26	10	V	0.1	1.8	5.7	139
180970057	2013	4	26	11	V	0.2	2.4	4.95	136
180970057	2013	4	26	12	V	0.2	1.5	3.75	161
180970057	2013	4	26	13	V	0.3	1.2	3.22	146
180970057	2013	4	26	14	V	0.4	0.8	3.12	144
180970057	2013	4	26	15	V	0.5	5.4	2.55	127
180970057	2013	4	26	16	V	1.0	41.4	1.77	139
180970057	2013	4	26	17	V	0.07	14.5	3.15	148
180970057	2013	4	26	18	V	0.09	1.7	3.61	131
180970057	2013	4	26	19	V	0.08	1.8	4.29	123
180970057	2013	4	26	20	V	0.09	1.1	3.61	126
180970057	2013	4	26	21	V	0.1	0.9	3.27	132
180970057	2013	4	26	22	V	0.07	1	3.32	137
180970057	2013	4	26	23	V	0.1	1.3	2.42	147
180970057	2013	4	26	24	V	102.3	1	1.37	187
180970057	2013	4	27	1	V	0.8	0.8	1.33	121
180970057	2013	4	27	2	V	0.2	0.7	1.96	75
180970057	2013	4	27	3	V	0.2	0.5	1.86	71
180970057	2013	4	27	4	V	0.08	2.9	2.66	95

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	27	5	V	0.3	3.4	1.62	86
180970057	2013	4	27	6	V	2.4	2.6	1.79	72
180970057	2013	4	27	7	V	0.7	3	2.5	85
180970057	2013	4	27	8	V	0.8	2.9	2.59	87
180970057	2013	4	27	9	V	0.8	4.7	2.86	87
180970057	2013	4	27	10	V	0.5	4	3.71	122
180970057	2013	4	27	11	V	0.2	3	4.8	107
180970057	2013	4	27	12	V	0.1	5.6	5.75	128
180970057	2013	4	27	13	V	0.09	4.3	6.33	131
180970057	2013	4	27	14	V	0.08	4.1	6.53	149
180970057	2013	4	27	15	V	0.1	1.4	4.61	131
180970057	2013	4	27	16	V	0.08	1.5	4.8	118
180970057	2013	4	27	17	V	0.05	1.3	5.9	129
180970057	2013	4	27	18	V	0.04	0.9	5.56	128
180970057	2013	4	27	19	V	0.05	0.6	5.16	118
180970057	2013	4	27	20	V	0.08	1.2	4.41	113
180970057	2013	4	27	21	V	0.1	0.6	4.08	114
180970057	2013	4	27	22	V	0.07	1.2	4.82	107
180970057	2013	4	27	23	V	0.06	1.1	4.87	113
180970057	2013	4	27	24	V	0.06	0.9	5.02	113
180970057	2013	4	28	1	V	0.07	1.4	4.71	111
180970057	2013	4	28	2	V	0.09	1	4.14	111
180970057	2013	4	28	3	V	0.09	0.3	4.22	121
180970057	2013	4	28	4	V	0.1	0.2	3.86	124
180970057	2013	4	28	5	V	0.1	0.1	3.44	135
180970057	2013	4	28	6	V	0.5	0	2.47	131
180970057	2013	4	28	7	V	1.3	0	2.03	123
180970057	2013	4	28	8	V	1.6	0	2.13	121
180970057	2013	4	28	9	V	1.0	0	2.74	128
180970057	2013	4	28	10	V	0.4	0	2.83	148
180970057	2013	4	28	11	V	10.7	0	3.37	178
180970057	2013	4	28	12	V	21.7	0.2	4.09	202
180970057	2013	4	28	13	V	0.5	0.2	3.59	236
180970057	2013	4	28	14	V	0.3	0.4	4.36	252
180970057	2013	4	28	15	V	0.3	0.2	5.89	248
180970057	2013	4	28	16	V	0.5	0.1	5.7	242
180970057	2013	4	28	17	V	0.9	0	4.71	246
180970057	2013	4	28	18	V	0.9	0	4.14	242
180970057	2013	4	28	19	V	1.0	0	2.78	242
180970057	2013	4	28	20	V	0.1	0	2.55	220
180970057	2013	4	28	21	V	0.8	0	2.71	239
180970057	2013	4	28	22	V	1.1	0	2.69	244
180970057	2013	4	28	23	V	1.1	0	2.4	242
180970057	2013	4	28	24	V	1.1	0	2.84	243
180970057	2013	4	29	1	V	0.3	0	3.12	246
180970057	2013	4	29	2	V	0.5	0	3.61	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	4	29	3	V	0.3	0	3.25	246
180970057	2013	4	29	4	V	0.3	0	2.88	241
180970057	2013	4	29	5	V	0.4	0.2	2.96	245
180970057	2013	4	29	6	V	0.5	0.1	3.12	257
180970057	2013	4	29	7	V	0.5	0	3.66	270
180970057	2013	4	29	8	V	0.8	0	2.72	285
180970057	2013	4	29	9	V	4.0	0	1.62	232
180970057	2013	4	29	10	V	40.1	0.1	1.99	209
180970057	2013	4	29	11	V	2.4	0.3	2.55	223
180970057	2013	4	29	12	V	84.7	0.8	3.03	196
180970057	2013	4	29	13	V	73.9	15.3	2.98	186
180970057	2013	4	29	14	V	66.6	12.3	4.19	194
180970057	2013	4	29	15	V	0.3	5.1	4.14	167
180970057	2013	4	29	16	V	0.2	4.8	4.31	161
180970057	2013	4	29	17	V	0.08	2.4	4.31	165
180970057	2013	4	29	18	V	0.07	1.2	4.17	150
180970057	2013	4	29	19	V	0.04	0.6	4.97	140
180970057	2013	4	29	20	V	0.06	0.2	4.44	140
180970057	2013	4	29	21	V	0.05	0.2	4.58	146
180970057	2013	4	29	22	V	0.03	0	5	150
180970057	2013	4	29	23	V	0.03	0.2	5.17	149
180970057	2013	4	29	24	V	0.03	0.2	4.88	154
180970057	2013	4	30	1	V	0.05	0.1	3.22	145
180970057	2013	4	30	2	V	0.05	0	3.05	135
180970057	2013	4	30	3	V	0.04	0	3.29	138
180970057	2013	4	30	4	V	0.06	0	2.93	122
180970057	2013	4	30	5	V	0.1	0	3.88	136
180970057	2013	4	30	6	V	0.5	0	3.64	140
180970057	2013	4	30	7	V	1.0	0	3.32	144
180970057	2013	4	30	8	V	0.6	0.2	3.93	152
180970057	2013	4	30	9	V	0.3	0.4	4.24	167
180970057	2013	4	30	10	V	0.4	0.8	4.71	168
180970057	2013	4	30	11	V	0.3	1	5.14	170
180970057	2013	4	30	12	V	28.9	20.6	5.04	184
180970057	2013	4	30	13	V	17.4	15.3	5.11	181
180970057	2013	4	30	14	V	50.3	4.8	4.76	189
180970057	2013	4	30	15	V	0.9	2.3	4.48	170
180970057	2013	4	30	16	V	0.1	1.7	5.19	141
180970057	2013	4	30	17	V	0.09	1.4	5.41	138
180970057	2013	4	30	18	V	0.02	1.1	6.82	133
180970057	2013	4	30	19	V	0.02	0.7	6.48	139
180970057	2013	4	30	20	V	0.05	0.4	4.54	141
180970057	2013	4	30	21	V	0.06	0.3	4.1	147
180970057	2013	4	30	22	V	0.05	0.2	3.92	145
180970057	2013	4	30	23	V	0.06	0.3	3.86	140
180970057	2013	4	30	24	V	0.04	0.4	4.73	137

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	1	1	V	0.05	0.3	4.51	153
180970057	2013	5	1	2	V	0.04	0.2	3.3	159
180970057	2013	5	1	3	V	0.04	0	3.47	152
180970057	2013	5	1	4	V	0.05	0	3.52	163
180970057	2013	5	1	5	V	0.3	0	1.55	101
180970057	2013	5	1	6	V	8.2	0.2	1.67	64
180970057	2013	5	1	7	V	9.9	0.4	1.74	66
180970057	2013	5	1	8	V	2.7	1	2.22	106
180970057	2013	5	1	9	V	1.7	1.1	2.16	131
180970057	2013	5	1	10	V	13.6	0.8	2.66	177
180970057	2013	5	1	11	V	13.1	17.6	2.49	179
180970057	2013	5	1	12	V	6.0	6.8	2.76	166
180970057	2013	5	1	13	V	4.7	5.2	2.79	164
180970057	2013	5	1	14	V	0.3	0.6	4.17	131
180970057	2013	5	1	15	V	0.3	0.6	4.44	132
180970057	2013	5	1	16	V	0.2	0.3	4.39	122
180970057	2013	5	1	17	V	0.2	0.4	3.95	124
180970057	2013	5	1	18	V	0.03	0.2	5.36	125
180970057	2013	5	1	19	V	0.06	0.5	3.85	127
180970057	2013	5	1	20	V	0.1	1.4	2.49	133
180970057	2013	5	1	21	V	0.4	3.4	1.62	105
180970057	2013	5	1	22	V	0.1	1.5	2.38	95
180970057	2013	5	1	23	V	0.1	0.5	2.45	83
180970057	2013	5	1	24	V	0.06	0.4	2.84	86
180970057	2013	5	2	1	V	0.08	1.1	3.91	104
180970057	2013	5	2	2	V	0.07	4.8	3.9	115
180970057	2013	5	2	3	V	0.07	1.4	4.37	125
180970057	2013	5	2	4	V	0.07	0.8	4.49	136
180970057	2013	5	2	5	V	0.2	0.7	3.63	132
180970057	2013	5	2	6	V	0.4	0.9	3.42	116
180970057	2013	5	2	7	V	0.3	1.5	4.24	121
180970057	2013	5	2	8	V	0.2	1.7	5.96	138
180970057	2013	5	2	9	V	0.1	1.2	6.36	141
180970057	2013	5	2	10	V	0.2	0.9	4.7	142
180970057	2013	5	2	11	V	0.3	0.9	4.68	138
180970057	2013	5	2	12	V	0.3	0.7	4.54	141
180970057	2013	5	2	13	V	0.3	0.5	4.83	131
180970057	2013	5	2	14	V	0.2	0.6	5.21	118
180970057	2013	5	2	15	V	0.2	0.6	5.38	128
180970057	2013	5	2	16	V	0.2	0.8	5.43	121
180970057	2013	5	2	17	V	0.1	1.2	5.16	120
180970057	2013	5	2	18	V	0.03	1	5.6	123
180970057	2013	5	2	19	V	0.03	1.2	5.62	131
180970057	2013	5	2	20	V	0.05	0.8	4.65	133
180970057	2013	5	2	21	V	0.07	0.5	3.78	140
180970057	2013	5	2	22	V	0.08	0.3	3.44	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	2	23	V	0.07	0.3	3.18	141
180970057	2013	5	2	24	V	0.09	0.8	3.92	130
180970057	2013	5	3	1	V	0.08	1	4.02	137
180970057	2013	5	3	2	V	0.07	0.7	3.69	141
180970057	2013	5	3	3	V	0.08	0.4	3.47	127
180970057	2013	5	3	4	V	0.08	0.3	3.42	126
180970057	2013	5	3	5	V	0.1	0.4	3.18	118
180970057	2013	5	3	6	V	0.4	0.4	3.22	118
180970057	2013	5	3	7	V	0.4	0.4	3.78	128
180970057	2013	5	3	8	V	0.5	0.1	3.61	140
180970057	2013	5	3	9	V	0.5	0.1	3.81	125
180970057	2013	5	3	10	V	0.3	0.3	4.2	143
180970057	2013	5	3	11	V	0.6	0.9	3.66	136
180970057	2013	5	3	12	V	0.5	1.1	3.73	134
180970057	2013	5	3	13	V	0.5	1.2	3.85	121
180970057	2013	5	3	14	V	0.2	1	5.21	124
180970057	2013	5	3	15	V	0.2	0.8	5.14	144
180970057	2013	5	3	16	V	0.08	0.5	5.27	128
180970057	2013	5	3	17	V	0.05	1	4.44	111
180970057	2013	5	3	18	V	0.07	1.7	4.9	115
180970057	2013	5	3	19	V	0.03	0.7	6.33	124
180970057	2013	5	3	20	V	0.04	0.6	5.72	119
180970057	2013	5	3	21	V	0.08	1.8	4.54	116
180970057	2013	5	3	22	V	0.02	2	6.77	117
180970057	2013	5	3	23	V	0.04	1.6	5.79	121
180970057	2013	5	3	24	V	0.08	3.2	4.56	126
180970057	2013	5	4	1	V	0.08	2.4	4.66	121
180970057	2013	5	4	2	V	0.07	1	4.82	122
180970057	2013	5	4	3	V	0.03	1.3	5.39	117
180970057	2013	5	4	4	V	0.03	2.6	6.13	116
180970057	2013	5	4	5	V	0.1	4.2	5.9	115
180970057	2013	5	4	6	V	0.1	2	6.18	109
180970057	2013	5	4	7	V	0.1	2.7	6.67	104
180970057	2013	5	4	8	V	0.1	3.1	6.89	107
180970057	2013	5	4	9	V	0.1	3.2	6.79	112
180970057	2013	5	4	10	V	0.1	3.7	6.53	109
180970057	2013	5	4	11	V	0.1	3.6	6.21	114
180970057	2013	5	4	12	V	0.1	3.9	5.87	120
180970057	2013	5	4	13	V	0.1	2.3	5.29	123
180970057	2013	5	4	14	V	0.1	2.5	5.04	153
180970057	2013	5	4	15	V	27.1	9.3	5.39	199
180970057	2013	5	4	16	V	30.1	10.3	5.36	198
180970057	2013	5	4	17	V	1.3	2	3.78	206
180970057	2013	5	4	18	V	0.1	0.8	4.17	218
180970057	2013	5	4	19	V	0.8	0.6	3.8	240
180970057	2013	5	4	20	V	0.6	0.3	3.52	277

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	4	21	V	0.2	0.2	2.11	321
180970057	2013	5	4	22	V	0.9	0.2	1.38	326
180970057	2013	5	4	23	V	1.9	-999	1.65	244
180970057	2013	5	4	24	V	112.5	0	2.22	194
180970057	2013	5	5	1	V	0.4	0.1	1.91	250
180970057	2013	5	5	2	V	0.1	0.1	2.22	306
180970057	2013	5	5	3	V	0.1	0	2.49	322
180970057	2013	5	5	4	V	0.1	0	3.95	337
180970057	2013	5	5	5	V	0.2	0	2.55	8
180970057	2013	5	5	6	V	3.2	0	3.07	31
180970057	2013	5	5	7	V	1.4	0	4.36	29
180970057	2013	5	5	8	V	13.2	0	3.92	45
180970057	2013	5	5	9	V	0.1	0.1	4.54	74
180970057	2013	5	5	10	V	0.1	0.1	4.71	84
180970057	2013	5	5	11	V	0.1	0.1	5.56	70
180970057	2013	5	5	12	V	0.09	0.1	6.11	81
180970057	2013	5	5	13	V	0.1	0	5.85	73
180970057	2013	5	5	14	V	0.09	0.1	6.38	82
180970057	2013	5	5	15	V	0.07	0.3	6.69	90
180970057	2013	5	5	16	V	0.07	0.1	6.18	93
180970057	2013	5	5	17	V	0.05	0.2	5.28	84
180970057	2013	5	5	18	V	0.04	0	5.75	83
180970057	2013	5	5	19	V	0.04	0	5.31	78
180970057	2013	5	5	20	V	0.1	0	3.76	82
180970057	2013	5	5	21	V	0.09	0	3.98	82
180970057	2013	5	5	22	V	0.1	0	3.66	80
180970057	2013	5	5	23	V	0.8	0.8	3.85	35
180970057	2013	5	5	24	V	0.1	0.3	1.89	72
180970057	2013	5	6	1	V	0.4	0.3	2.08	61
180970057	2013	5	6	2	V	0.06	0.2	2.9	67
180970057	2013	5	6	3	V	0.2	0.2	2.66	34
180970057	2013	5	6	4	V	4.6	0.5	3.64	42
180970057	2013	5	6	5	V	1.9	0.4	4.14	58
180970057	2013	5	6	6	V	2.0	0	3.61	64
180970057	2013	5	6	7	V	8.0	0.1	3.3	59
180970057	2013	5	6	8	V	5.2	0.2	3.83	61
180970057	2013	5	6	9	V	1.1	0	4.36	67
180970057	2013	5	6	10	V	1.3	0.1	4.68	66
180970057	2013	5	6	11	V	3.4	0.5	5.41	61
180970057	2013	5	6	12	V	0.09	0.3	6.21	78
180970057	2013	5	6	13	V	0.1	0.1	6.41	78
180970057	2013	5	6	14	V	0.1	0.1	6.16	85
180970057	2013	5	6	15	V	0.1	0	6.77	89
180970057	2013	5	6	16	V	0.1	0	6.23	92
180970057	2013	5	6	17	V	0.09	0	5.8	82
180970057	2013	5	6	18	V	0.05	0	4.82	82

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	6	19	V	0.03	0	5.96	81
180970057	2013	5	6	20	V	0.04	0	4.8	72
180970057	2013	5	6	21	V	0.07	0	4.03	77
180970057	2013	5	6	22	V	0.08	0	2.59	97
180970057	2013	5	6	23	V	0.2	0	2.08	95
180970057	2013	5	6	24	V	0.09	0	2.76	83
180970057	2013	5	7	1	V	0.2	0	1.99	64
180970057	2013	5	7	2	V	0.2	0.1	1.93	16
180970057	2013	5	7	3	V	5.9	0	2.72	50
180970057	2013	5	7	4	V	1.3	0.3	2.25	37
180970057	2013	5	7	5	V	11.9	0.1	1.71	40
180970057	2013	5	7	6	V	17.8	0	1.13	40
180970057	2013	5	7	7	V	20.5	0.2	1.11	35
180970057	2013	5	7	8	V	0.4	0.1	3.63	84
180970057	2013	5	7	9	V	3.1	1.2	2.61	71
180970057	2013	5	7	10	V	3.9	2.7	2.79	68
180970057	2013	5	7	11	V	7.4	1.3	3.25	39
180970057	2013	5	7	12	V	5.4	2.1	4.27	61
180970057	2013	5	7	13	V	9.5	2	4.05	52
180970057	2013	5	7	14	V	5.4	1	3.37	62
180970057	2013	5	7	15	V	3.2	0.5	3.57	67
180970057	2013	5	7	16	V	5.8	0.8	2.86	61
180970057	2013	5	7	17	V	11.1	1.3	3.17	47
180970057	2013	5	7	18	V	0.1	0.6	2.2	89
180970057	2013	5	7	19	V	0.08	0.2	2.79	8
180970057	2013	5	7	20	V	0.2	0.2	1.91	359
180970057	2013	5	7	21	V	0.2	0.2	1.94	333
180970057	2013	5	7	22	V	0.1	0.7	4.02	23
180970057	2013	5	7	23	V	0.1	0.9	2.13	92
180970057	2013	5	7	24	V	0.6	0.2	1.43	341
180970057	2013	5	8	1	V	2.0	0.1	1.06	333
180970057	2013	5	8	2	V	11.2	0	0.65	81
180970057	2013	5	8	3	V	0.3	0	1.74	356
180970057	2013	5	8	4	V	0.2	0	1.93	355
180970057	2013	5	8	5	V	0.3	0.1	2.45	27
180970057	2013	5	8	6	V	1.8	0.1	1.84	359
180970057	2013	5	8	7	V	7.7	0.3	1.52	16
180970057	2013	5	8	8	V	7.7	0.3	1.47	339
180970057	2013	5	8	9	V	4.2	0.4	1.65	311
180970057	2013	5	8	10	V	1.6	0.5	2.08	308
180970057	2013	5	8	11	V	0.8	0.5	2.81	305
180970057	2013	5	8	12	V	1.8	0.4	2.08	289
180970057	2013	5	8	13	V	0.7	0.2	2.78	288
180970057	2013	5	8	14	V	0.8	0.2	2.89	278
180970057	2013	5	8	15	V	0.7	0.3	3.34	254
180970057	2013	5	8	16	V	0.5	0.2	3.05	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	8	17	V	0.4	0.2	2.32	288
180970057	2013	5	8	18	V	0.6	0.4	4.92	269
180970057	2013	5	8	19	V	0.6	4.1	2.98	278
180970057	2013	5	8	20	V	0.7	0.3	2.32	234
180970057	2013	5	8	21	V	0.3	0.1	2.71	209
180970057	2013	5	8	22	V	100.6	0.8	2.56	192
180970057	2013	5	8	23	V	0.07	0.4	3.98	132
180970057	2013	5	8	24	V	0.07	0.2	3.81	146
180970057	2013	5	9	1	V	0.09	0	2.79	155
180970057	2013	5	9	2	V	0.1	0.4	2.23	149
180970057	2013	5	9	3	C	-999	0.1	0	0
180970057	2013	5	9	4	V	24.8	0	2.3	201
180970057	2013	5	9	5	V	95.9	0	1.96	194
180970057	2013	5	9	6	V	38.0	0	2.45	205
180970057	2013	5	9	7	V	15.6	0.5	2.52	213
180970057	2013	5	9	8	V	5.8	5.6	2.45	218
180970057	2013	5	9	9	V	7.9	6	1.93	222
180970057	2013	5	9	10	V	1.6	5.1	2.44	235
180970057	2013	5	9	11	V	0.6	3	3.69	244
180970057	2013	5	9	12	V	0.4	1.4	4.51	231
180970057	2013	5	9	13	V	0.4	1.7	4.76	236
180970057	2013	5	9	14	V	0.1	1.2	4.9	299
180970057	2013	5	9	15	V	0.2	0.8	3.42	360
180970057	2013	5	9	16	V	0.3	0.6	2.2	331
180970057	2013	5	9	17	V	0.08	0.3	4.94	227
180970057	2013	5	9	18	V	0.1	1.4	2.47	90
180970057	2013	5	9	19	V	0.09	0.9	3.35	94
180970057	2013	5	9	20	V	0.09	0.5	4.19	120
180970057	2013	5	9	21	V	0.1	0.3	3.63	127
180970057	2013	5	9	22	V	0.09	0.7	2.71	119
180970057	2013	5	9	23	V	0.08	0.5	4.36	160
180970057	2013	5	9	24	V	0.2	0.6	3.85	175
180970057	2013	5	10	1	V	0.9	0.8	4.42	179
180970057	2013	5	10	2	V	25.6	1.1	4.17	187
180970057	2013	5	10	3	V	37.0	1.7	3.22	196
180970057	2013	5	10	4	V	0.05	0.4	2.84	217
180970057	2013	5	10	5	V	24.3	0.3	3.66	200
180970057	2013	5	10	6	V	4.9	0.2	3.03	211
180970057	2013	5	10	7	V	4.7	0.8	2.54	217
180970057	2013	5	10	8	V	6.2	0.9	2.74	215
180970057	2013	5	10	9	V	0.4	1.1	4.54	235
180970057	2013	5	10	10	V	0.4	1	4.14	248
180970057	2013	5	10	11	V	0.4	1.3	4.22	235
180970057	2013	5	10	12	V	0.4	0.9	3.58	251
180970057	2013	5	10	13	V	0.3	0.6	3.74	229
180970057	2013	5	10	14	V	0.5	0.5	3.63	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	10	15	V	0.3	0.8	3.47	259
180970057	2013	5	10	16	V	0.5	0.8	3.73	247
180970057	2013	5	10	17	V	0.3	0.9	4.75	243
180970057	2013	5	10	18	V	0.09	0	3.64	320
180970057	2013	5	10	19	V	0.04	0	5.72	318
180970057	2013	5	10	20	V	0.02	0	6.43	327
180970057	2013	5	10	21	V	0.04	0	5.63	319
180970057	2013	5	10	22	V	0.04	0	5.65	326
180970057	2013	5	10	23	V	0.05	-999	5.26	334
180970057	2013	5	10	24	V	0.07	-999	4.58	327
180970057	2013	5	11	1	V	0.08	0.4	4.22	312
180970057	2013	5	11	2	V	0.06	0.4	4.76	309
180970057	2013	5	11	3	V	0.05	0.4	4.99	305
180970057	2013	5	11	4	V	0.04	0.3	5.05	300
180970057	2013	5	11	5	V	0.1	0.3	4.17	296
180970057	2013	5	11	6	V	0.1	0.4	4.63	315
180970057	2013	5	11	7	V	0.1	0.4	3.83	315
180970057	2013	5	11	8	V	0.1	0.4	4.34	309
180970057	2013	5	11	9	V	0.1	0.4	3.83	299
180970057	2013	5	11	10	V	0.1	0.4	4.31	288
180970057	2013	5	11	11	V	0.2	0.4	4.1	280
180970057	2013	5	11	12	V	0.4	0.4	3.86	259
180970057	2013	5	11	13	V	0.3	0.4	4.54	249
180970057	2013	5	11	14	V	0.3	0.5	5.14	231
180970057	2013	5	11	15	V	0.4	0.6	5.77	242
180970057	2013	5	11	16	V	0.2	1.1	6.58	253
180970057	2013	5	11	17	V	0.2	1.3	8.06	249
180970057	2013	5	11	18	V	0.1	0.8	9.27	283
180970057	2013	5	11	19	V	0.02	0.5	9.85	299
180970057	2013	5	11	20	V	0.01	0.5	7.84	299
180970057	2013	5	11	21	V	0.01	0.6	7.69	306
180970057	2013	5	11	22	V	0.02	0.5	5.72	317
180970057	2013	5	11	23	V	0.04	-999	3.52	317
180970057	2013	5	11	24	V	0.07	0.4	2.76	299
180970057	2013	5	12	1	V	0.2	0.4	2.91	280
180970057	2013	5	12	2	V	0.6	0.4	3.83	276
180970057	2013	5	12	3	V	0.2	0.4	3.81	281
180970057	2013	5	12	4	V	0.6	0.4	3.69	272
180970057	2013	5	12	5	V	0.4	0.5	3.93	279
180970057	2013	5	12	6	V	0.5	0.4	3.54	279
180970057	2013	5	12	7	V	0.3	0.5	3.95	289
180970057	2013	5	12	8	V	0.2	0.7	5.31	310
180970057	2013	5	12	9	V	0.2	0.8	5.68	312
180970057	2013	5	12	10	V	0.1	0.7	6.77	312
180970057	2013	5	12	11	V	0.1	0.6	6.89	303
180970057	2013	5	12	12	V	0.1	0.6	7.47	299

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	12	13	V	0.1	0.5	7.26	290
180970057	2013	5	12	14	V	0.1	0.5	6.58	292
180970057	2013	5	12	15	V	0.1	0.5	7.35	293
180970057	2013	5	12	16	V	0.09	0.5	7.26	292
180970057	2013	5	12	17	V	0.08	0.5	6.53	292
180970057	2013	5	12	18	V	0.05	0.5	5.51	288
180970057	2013	5	12	19	V	0.03	0.5	5.68	290
180970057	2013	5	12	20	V	0.6	0.5	3.66	269
180970057	2013	5	12	21	V	1.0	0.7	3.3	245
180970057	2013	5	12	22	V	0.7	0.6	3.35	256
180970057	2013	5	12	23	V	0.7	0.6	3.29	257
180970057	2013	5	12	24	V	0.9	0.6	3.59	246
180970057	2013	5	13	1	V	0.4	0.5	2.59	279
180970057	2013	5	13	2	V	0.3	0.6	1.65	294
180970057	2013	5	13	3	V	1.2	0.6	1.67	260
180970057	2013	5	13	4	V	0.1	0.6	2.78	237
180970057	2013	5	13	5	V	0.4	0.7	2.86	253
180970057	2013	5	13	6	V	1.4	0.7	2.08	258
180970057	2013	5	13	7	V	1.4	0.9	2.71	249
180970057	2013	5	13	8	V	1.3	1	2.69	263
180970057	2013	5	13	9	V	0.4	0.8	3.86	283
180970057	2013	5	13	10	V	0.2	0.7	5.44	301
180970057	2013	5	13	11	V	0.2	0.7	5.55	296
180970057	2013	5	13	12	V	0.2	0.7	6.11	302
180970057	2013	5	13	13	V	0.2	0.7	7.01	295
180970057	2013	5	13	14	V	0.2	0.7	5.94	293
180970057	2013	5	13	15	V	0.2	0.8	6.18	302
180970057	2013	5	13	16	V	0.2	0.7	5	289
180970057	2013	5	13	17	V	0.1	0.7	5.02	293
180970057	2013	5	13	18	V	0.6	0.7	4.8	273
180970057	2013	5	13	19	V	0.6	0.7	4.14	268
180970057	2013	5	13	20	V	0.5	0.8	2.64	269
180970057	2013	5	13	21	V	0.2	0.9	2.13	214
180970057	2013	5	13	22	V	71.9	1	2.86	189
180970057	2013	5	13	23	V	74.8	1	3.32	191
180970057	2013	5	13	24	V	68.2	13.5	3.9	191
180970057	2013	5	14	1	V	0.08	3.1	3.05	215
180970057	2013	5	14	2	V	31.1	16.7	3.49	198
180970057	2013	5	14	3	V	31.0	35.3	3.69	198
180970057	2013	5	14	4	V	24.5	24.2	4.15	187
180970057	2013	5	14	5	V	10.3	5.1	3.97	181
180970057	2013	5	14	6	V	3.1	4.5	4.44	175
180970057	2013	5	14	7	V	3.9	3.6	5	175
180970057	2013	5	14	8	V	4.3	3.5	5.1	175
180970057	2013	5	14	9	V	7.6	6.5	6.33	179
180970057	2013	5	14	10	V	14.5	19.8	7.52	183

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	14	11	V	40.3	-999	8.1	194
180970057	2013	5	14	12	V	30.7	92.7	7.52	198
180970057	2013	5	14	13	V	19.8	15.1	7.47	201
180970057	2013	5	14	14	V	0.6	8.1	8.73	210
180970057	2013	5	14	15	V	0.06	6.2	8.88	224
180970057	2013	5	14	16	V	0.1	5.6	9.98	232
180970057	2013	5	14	17	V	0.1	6	9.17	237
180970057	2013	5	14	18	V	0.3	3.5	8.47	238
180970057	2013	5	14	19	V	0.2	4	7.33	232
180970057	2013	5	14	20	V	0.1	3.2	3.9	222
180970057	2013	5	14	21	V	1.9	2.5	2.66	182
180970057	2013	5	14	22	V	0.6	2.8	4.29	179
180970057	2013	5	14	23	V	1.0	8.2	5.55	204
180970057	2013	5	14	24	V	0.2	4.2	5.6	208
180970057	2013	5	15	1	V	0.03	3.7	5.82	216
180970057	2013	5	15	2	V	0.06	3.4	7.3	232
180970057	2013	5	15	3	V	0.08	2	5.72	234
180970057	2013	5	15	4	V	0.06	1.5	6.53	232
180970057	2013	5	15	5	V	0.07	1.5	6.5	234
180970057	2013	5	15	6	V	0.08	1.3	6.77	233
180970057	2013	5	15	7	V	0.1	2	7.5	236
180970057	2013	5	15	8	V	0.1	2.7	9.29	246
180970057	2013	5	15	9	V	0.2	2.8	10.53	250
180970057	2013	5	15	10	V	0.2	3.4	9.95	251
180970057	2013	5	15	11	V	0.2	3.2	9.12	256
180970057	2013	5	15	12	V	0.2	2.3	8.69	249
180970057	2013	5	15	13	V	0.3	3.5	7.84	239
180970057	2013	5	15	14	V	0.2	2.4	8.56	233
180970057	2013	5	15	15	V	0.3	1.4	8.42	245
180970057	2013	5	15	16	V	0.3	1.3	8.32	243
180970057	2013	5	15	17	V	0.2	1.6	8.35	244
180970057	2013	5	15	18	V	0.5	1.4	8.11	247
180970057	2013	5	15	19	V	0.2	1.3	8.3	233
180970057	2013	5	15	20	V	0.2	1.2	6.6	230
180970057	2013	5	15	21	V	0.06	1	4.48	217
180970057	2013	5	15	22	V	0.09	1.8	4.71	213
180970057	2013	5	15	23	V	0.2	1.8	6.31	232
180970057	2013	5	15	24	V	0.5	1	4.44	235
180970057	2013	5	16	1	V	0.07	0.7	3.59	227
180970057	2013	5	16	2	V	0.07	0.7	3.39	228
180970057	2013	5	16	3	V	0.2	0.6	2.95	238
180970057	2013	5	16	4	V	0.06	0.5	3.1	219
180970057	2013	5	16	5	V	0.3	0.6	2.67	233
180970057	2013	5	16	6	V	0.3	0.5	3.59	240
180970057	2013	5	16	7	V	0.9	0.7	2.72	240
180970057	2013	5	16	8	V	0.8	1.2	2.76	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	16	9	V	0.6	1.4	3.63	235
180970057	2013	5	16	10	V	0.7	1.7	3.01	238
180970057	2013	5	16	11	V	2.9	1.9	1.93	234
180970057	2013	5	16	12	V	1.6	1.7	4.39	217
180970057	2013	5	16	13	V	0.1	1.7	7.54	221
180970057	2013	5	16	14	V	0.2	1.1	7.04	232
180970057	2013	5	16	15	V	0.3	0.8	4.94	232
180970057	2013	5	16	16	V	0.4	0.8	4.63	240
180970057	2013	5	16	17	V	0.1	0.9	4.53	227
180970057	2013	5	16	18	V	0.2	0.6	3.85	213
180970057	2013	5	16	19	V	3.5	1.6	4.51	205
180970057	2013	5	16	20	V	1.2	1.8	4.19	207
180970057	2013	5	16	21	V	0.2	2.6	4.31	210
180970057	2013	5	16	22	V	0.6	3.6	3.37	208
180970057	2013	5	16	23	V	0.08	2.5	2.88	220
180970057	2013	5	16	24	V	1.5	1.6	1.26	256
180970057	2013	5	17	1	V	3.3	1.2	0.87	303
180970057	2013	5	17	2	V	1.1	1.4	1.45	173
180970057	2013	5	17	3	V	0.08	0.8	2.35	164
180970057	2013	5	17	4	V	0.2	0.7	2.42	176
180970057	2013	5	17	5	V	47.0	0.7	1.7	189
180970057	2013	5	17	6	V	2.0	1.4	1.3	128
180970057	2013	5	17	7	V	1.6	1.8	2.25	123
180970057	2013	5	17	8	V	28.3	4.8	0.91	199
180970057	2013	5	17	9	V	16.9	11.2	1.89	178
180970057	2013	5	17	10	V	0.9	6.2	2.25	125
180970057	2013	5	17	11	V	1.1	4.1	2.84	155
180970057	2013	5	17	12	V	0.5	2.7	3.64	155
180970057	2013	5	17	13	V	0.4	2.4	3.46	142
180970057	2013	5	17	14	V	0.6	2.2	3.51	156
180970057	2013	5	17	15	V	0.3	1.7	4.17	229
180970057	2013	5	17	16	V	0.3	0.5	2.18	145
180970057	2013	5	17	17	V	0.1	0.5	4.53	144
180970057	2013	5	17	18	V	0.09	0.6	4.46	141
180970057	2013	5	17	19	V	0.09	0.9	3.12	134
180970057	2013	5	17	20	V	0.1	0.8	2.39	132
180970057	2013	5	17	21	V	0.09	0.5	2.93	147
180970057	2013	5	17	22	V	0.1	0.3	2.38	125
180970057	2013	5	17	23	V	0.1	0.6	2.49	110
180970057	2013	5	17	24	V	0.09	1	2.9	117
180970057	2013	5	18	1	V	0.09	0.8	2.49	102
180970057	2013	5	18	2	V	0.1	1	2.3	108
180970057	2013	5	18	3	V	0.3	0.8	1.77	103
180970057	2013	5	18	4	V	0.3	0.4	1.74	88
180970057	2013	5	18	5	V	0.5	0.3	2.03	92
180970057	2013	5	18	6	V	1.1	0.2	2.25	76

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	18	7	V	5.2	0.4	2.64	63
180970057	2013	5	18	8	V	8.4	0.5	2.86	59
180970057	2013	5	18	9	V	0.7	0.4	3.4	75
180970057	2013	5	18	10	V	0.8	0.4	3.2	92
180970057	2013	5	18	11	V	4.5	0.5	2.23	64
180970057	2013	5	18	12	V	0.5	0.4	2.83	74
180970057	2013	5	18	13	V	7.3	1.2	2.64	57
180970057	2013	5	18	14	V	1.8	1.9	3.15	65
180970057	2013	5	18	15	V	0.3	1.3	2.81	77
180970057	2013	5	18	16	V	0.1	1.2	3.81	94
180970057	2013	5	18	17	V	0.2	1.2	3.13	98
180970057	2013	5	18	18	V	0.1	0.6	2.67	100
180970057	2013	5	18	19	V	0.8	0.9	3.83	57
180970057	2013	5	18	20	V	0.1	0.6	3.81	147
180970057	2013	5	18	21	V	0.3	0.9	1.53	129
180970057	2013	5	18	22	V	0.2	1.2	1.89	97
180970057	2013	5	18	23	V	0.08	-999	2.64	128
180970057	2013	5	18	24	V	0.07	1.2	2.81	125
180970057	2013	5	19	1	V	0.2	1.1	1.87	116
180970057	2013	5	19	2	V	0.09	0.5	2.47	104
180970057	2013	5	19	3	V	126.4	0.8	1.26	190
180970057	2013	5	19	4	V	0.1	0.6	2.16	117
180970057	2013	5	19	5	V	0.9	0.4	1.76	151
180970057	2013	5	19	6	V	1.9	0.2	1.74	124
180970057	2013	5	19	7	V	2.2	0.7	1.94	97
180970057	2013	5	19	8	V	12.1	2.3	2.3	168
180970057	2013	5	19	9	V	39.2	6.7	1.57	200
180970057	2013	5	19	10	V	34.1	7.7	1.43	198
180970057	2013	5	19	11	V	26.8	12.1	1.67	193
180970057	2013	5	19	12	V	0.8	20.3	2.79	131
180970057	2013	5	19	13	V	0.4	4.3	3.42	140
180970057	2013	5	19	14	V	0.3	2.4	4.09	114
180970057	2013	5	19	15	V	10.2	2.1	4.05	177
180970057	2013	5	19	16	V	1.7	3.4	3.12	164
180970057	2013	5	19	17	V	2.9	1.4	3.34	172
180970057	2013	5	19	18	V	0.09	1.1	4.53	139
180970057	2013	5	19	19	V	0.04	0.8	4.83	139
180970057	2013	5	19	20	V	0.06	0.5	3.76	141
180970057	2013	5	19	21	V	0.07	0.5	3.8	156
180970057	2013	5	19	22	V	0.06	0.4	3.57	148
180970057	2013	5	19	23	V	0.07	0.4	4.29	146
180970057	2013	5	19	24	V	0.09	0.4	4.36	154
180970057	2013	5	20	1	V	0.04	0.5	4.99	166
180970057	2013	5	20	2	V	0.03	0.5	4.83	169
180970057	2013	5	20	3	V	0.06	0.3	3.97	170
180970057	2013	5	20	4	V	0.5	0.3	3.8	178

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	20	5	V	0.2	0.3	4.39	166
180970057	2013	5	20	6	V	0.6	1.3	5.04	170
180970057	2013	5	20	7	V	56.4	11.9	4.31	194
180970057	2013	5	20	8	V	17.3	4.2	4.71	204
180970057	2013	5	20	9	V	46.0	29.8	4.95	195
180970057	2013	5	20	10	V	8.5	30.8	5.94	204
180970057	2013	5	20	11	V	0.3	9.7	6.21	217
180970057	2013	5	20	12	V	37.8	16.1	6.48	197
180970057	2013	5	20	13	V	39.3	13.2	7.62	189
180970057	2013	5	20	14	V	46.3	13.8	7.89	190
180970057	2013	5	20	15	V	52.1	19.4	7.88	193
180970057	2013	5	20	16	V	9.4	13.6	7.91	203
180970057	2013	5	20	17	V	14.1	5.6	7.33	202
180970057	2013	5	20	18	V	26.8	10	6.99	192
180970057	2013	5	20	19	V	9.1	21.4	6.3	185
180970057	2013	5	20	20	V	0.05	7.3	6.06	174
180970057	2013	5	20	21	V	0.03	2.2	5.39	168
180970057	2013	5	20	22	V	0.03	1.4	5.67	170
180970057	2013	5	20	23	V	0.02	1	6.31	169
180970057	2013	5	20	24	V	5.3	12.6	6.82	184
180970057	2013	5	21	1	V	21.1	55.4	7.52	191
180970057	2013	5	21	2	V	12.5	54.5	7.84	187
180970057	2013	5	21	3	V	0.4	15.7	8.88	254
180970057	2013	5	21	4	V	0.7	1.8	3.41	208
180970057	2013	5	21	5	V	0.1	1.5	4.9	162
180970057	2013	5	21	6	V	49.7	2.8	4.63	190
180970057	2013	5	21	7	V	11.3	3.4	5.92	204
180970057	2013	5	21	8	V	0.1	2.5	5.46	148
180970057	2013	5	21	9	V	8.5	1.8	5.5	179
180970057	2013	5	21	10	V	23.4	8	6.3	184
180970057	2013	5	21	11	V	15.1	7.8	7.15	203
180970057	2013	5	21	12	V	1.5	6.5	7.08	211
180970057	2013	5	21	13	V	0.1	6	7.52	226
180970057	2013	5	21	14	V	0.4	5.6	7.35	214
180970057	2013	5	21	15	V	5.5	6.2	8.35	206
180970057	2013	5	21	16	V	0.3	4.8	9.2	211
180970057	2013	5	21	17	V	0.07	4.8	8.54	219
180970057	2013	5	21	18	V	5.8	8.4	5.97	204
180970057	2013	5	21	19	V	1.1	1.9	5.82	179
180970057	2013	5	21	20	V	8.9	8.8	6.11	185
180970057	2013	5	21	21	V	29.4	18.1	4.82	187
180970057	2013	5	21	22	V	81.1	12.7	3.78	194
180970057	2013	5	21	23	V	42.5	8.8	4.12	186
180970057	2013	5	21	24	V	50.5	3.6	4.44	188
180970057	2013	5	22	1	V	0.08	2	4.41	162
180970057	2013	5	22	2	V	1.4	4.4	5.09	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	22	3	V	19.7	1.6	5.73	195
180970057	2013	5	22	4	V	11.8	7.5	5.65	186
180970057	2013	5	22	5	V	0.2	5.8	6.01	170
180970057	2013	5	22	6	V	37.3	4.9	5.96	195
180970057	2013	5	22	7	V	24.1	6.5	5.16	201
180970057	2013	5	22	8	V	49.1	2.8	4.7	196
180970057	2013	5	22	9	V	0.2	3.3	5.5	161
180970057	2013	5	22	10	V	10.6	4.8	7.13	181
180970057	2013	5	22	11	V	23.9	10.7	8.23	200
180970057	2013	5	22	12	V	0.5	2.9	8.16	210
180970057	2013	5	22	13	V	2.0	1.6	8	209
180970057	2013	5	22	14	V	31.9	19.4	8.15	198
180970057	2013	5	22	15	V	11.2	31.9	7.25	204
180970057	2013	5	22	16	V	0.9	22.5	7.3	210
180970057	2013	5	22	17	V	0.2	4.1	6.16	245
180970057	2013	5	22	18	V	0.6	2.2	4.95	240
180970057	2013	5	22	19	V	0.6	1.4	3.12	237
180970057	2013	5	22	20	V	0.6	0.8	2.71	233
180970057	2013	5	22	21	V	0.7	0.5	4.59	263
180970057	2013	5	22	22	V	0.9	0.5	3.22	242
180970057	2013	5	22	23	V	0.9	0.3	3.18	241
180970057	2013	5	22	24	V	0.4	0.4	4.46	278
180970057	2013	5	23	1	V	0.1	0.2	2.95	232
180970057	2013	5	23	2	V	0.05	0.1	3.42	225
180970057	2013	5	23	3	V	0.2	0.1	3.35	241
180970057	2013	5	23	4	V	0.3	0.2	4	246
180970057	2013	5	23	5	V	0.2	0.1	4.82	255
180970057	2013	5	23	6	V	0.3	0.1	4.31	258
180970057	2013	5	23	7	V	0.3	0.1	3.88	250
180970057	2013	5	23	8	V	0.2	0.2	5.38	253
180970057	2013	5	23	9	V	0.3	0.3	5.63	257
180970057	2013	5	23	10	V	0.2	0.2	5.7	272
180970057	2013	5	23	11	V	0.2	0.2	5.39	273
180970057	2013	5	23	12	V	0.2	0.2	5.09	272
180970057	2013	5	23	13	V	0.2	0.2	6.04	277
180970057	2013	5	23	14	V	0.09	0.2	6.8	302
180970057	2013	5	23	15	V	0.08	0.2	7.08	314
180970057	2013	5	23	16	V	0.07	0.3	7.69	316
180970057	2013	5	23	17	V	0.06	0.2	8.39	319
180970057	2013	5	23	18	V	0.02	0.3	7.81	328
180970057	2013	5	23	19	V	0.02	0.2	8.1	328
180970057	2013	5	23	20	V	0.03	0.1	8	335
180970057	2013	5	23	21	V	0.03	0.1	7.42	334
180970057	2013	5	23	22	V	0.03	0.1	7.21	336
180970057	2013	5	23	23	V	0.03	0.1	7.33	337
180970057	2013	5	23	24	V	0.02	0.1	6.02	339

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	24	1	V	0.03	0.1	5.04	338
180970057	2013	5	24	2	V	0.07	0.2	4.02	352
180970057	2013	5	24	3	V	0.07	0.2	3.18	345
180970057	2013	5	24	4	V	0.05	0.2	4.15	332
180970057	2013	5	24	5	V	0.2	0.3	4.51	336
180970057	2013	5	24	6	V	0.2	0.3	4.29	345
180970057	2013	5	24	7	V	0.2	0.3	4.44	335
180970057	2013	5	24	8	V	0.6	0.3	3.83	339
180970057	2013	5	24	9	V	0.5	0.4	3.69	355
180970057	2013	5	24	10	V	0.3	0.4	4.1	341
180970057	2013	5	24	11	V	0.4	0.3	4.29	330
180970057	2013	5	24	12	V	0.4	0.4	4.37	346
180970057	2013	5	24	13	V	0.4	0.4	4.22	344
180970057	2013	5	24	14	V	0.5	0.4	3.3	358
180970057	2013	5	24	15	V	0.4	0.4	3.63	333
180970057	2013	5	24	16	V	0.3	0.3	3.49	347
180970057	2013	5	24	17	V	0.2	0.3	3.66	327
180970057	2013	5	24	18	V	0.09	0.3	2.66	5
180970057	2013	5	24	19	V	0.2	0.3	2.28	30
180970057	2013	5	24	20	V	0.5	0.3	1.89	29
180970057	2013	5	24	21	V	0.5	0.4	1.59	350
180970057	2013	5	24	22	V	1.5	0.7	1.18	359
180970057	2013	5	24	23	V	29.3	0.8	0.96	39
180970057	2013	5	24	24	V	0.2	0.8	2.32	326
180970057	2013	5	25	1	V	0.04	0.6	3.27	6
180970057	2013	5	25	2	V	0.04	0.3	2.98	355
180970057	2013	5	25	3	V	0.08	0.3	2.45	22
180970057	2013	5	25	4	V	0.05	0.2	3.4	32
180970057	2013	5	25	5	V	3.1	0.4	2.52	29
180970057	2013	5	25	6	V	7.0	0.6	2.25	34
180970057	2013	5	25	7	V	1.7	0.9	2.13	18
180970057	2013	5	25	8	V	1.7	0.8	2.23	17
180970057	2013	5	25	9	V	11.0	0.8	2.04	61
180970057	2013	5	25	10	V	4.7	10.3	1.6	236
180970057	2013	5	25	11	V	99.0	33.8	1.57	193
180970057	2013	5	25	12	V	17.1	61.8	0.92	341
180970057	2013	5	25	13	V	4.1	12.8	1.72	268
180970057	2013	5	25	14	V	0.8	3.3	3.49	269
180970057	2013	5	25	15	V	0.9	2.2	3.24	275
180970057	2013	5	25	16	V	1.8	1.9	1.93	285
180970057	2013	5	25	17	V	3.8	1.7	1.16	328
180970057	2013	5	25	18	V	45.4	5.9	2.67	199
180970057	2013	5	25	19	V	0.6	2.8	4.48	237
180970057	2013	5	25	20	V	0.2	1.6	3.44	283
180970057	2013	5	25	21	V	0.7	0.8	3.08	275
180970057	2013	5	25	22	V	0.4	0.8	3.81	279

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	25	23	V	0.09	-999	3.13	288
180970057	2013	5	25	24	V	0.5	0.5	2.5	279
180970057	2013	5	26	1	V	0.6	0.4	1.55	280
180970057	2013	5	26	2	V	0.1	0.9	2.01	69
180970057	2013	5	26	3	V	5.8	1.7	3.07	50
180970057	2013	5	26	4	V	7.0	2.8	2.73	46
180970057	2013	5	26	5	V	13.2	1.5	2.18	54
180970057	2013	5	26	6	V	0.9	0.9	2.06	83
180970057	2013	5	26	7	V	0.9	0.9	2.35	111
180970057	2013	5	26	8	V	0.9	0.8	2.66	116
180970057	2013	5	26	9	V	0.6	1	3.17	113
180970057	2013	5	26	10	V	0.2	1.2	3.66	118
180970057	2013	5	26	11	V	0.3	0.9	3.64	134
180970057	2013	5	26	12	V	0.2	1	3.95	123
180970057	2013	5	26	13	V	0.3	1.3	3.52	128
180970057	2013	5	26	14	V	0.5	1.4	2.45	155
180970057	2013	5	26	15	V	0.7	1.6	2.16	162
180970057	2013	5	26	16	V	0.1	5.2	3.46	137
180970057	2013	5	26	17	V	0.06	1.9	4.6	122
180970057	2013	5	26	18	V	0.1	1.9	3.54	144
180970057	2013	5	26	19	V	0.1	1.7	3.93	163
180970057	2013	5	26	20	V	0.1	0.9	3.41	161
180970057	2013	5	26	21	V	0.1	0.8	3.69	137
180970057	2013	5	26	22	V	0.09	0.8	3.63	121
180970057	2013	5	26	23	V	0.6	0.9	3.9	60
180970057	2013	5	26	24	V	0.05	0.6	4.9	81
180970057	2013	5	27	1	V	0.08	0.5	4.05	99
180970057	2013	5	27	2	V	0.02	0.5	6.5	123
180970057	2013	5	27	3	V	0.02	0.7	6.28	107
180970057	2013	5	27	4	V	0.03	0.8	5.67	115
180970057	2013	5	27	5	V	0.09	0.7	4.92	109
180970057	2013	5	27	6	V	0.1	0.6	5.14	115
180970057	2013	5	27	7	V	0.2	0.5	4.58	117
180970057	2013	5	27	8	V	0.2	0.7	4.75	117
180970057	2013	5	27	9	V	0.1	1.1	6.86	123
180970057	2013	5	27	10	V	0.09	0.8	6.36	129
180970057	2013	5	27	11	V	0.1	0.7	5.85	137
180970057	2013	5	27	12	V	0.2	0.9	5.7	138
180970057	2013	5	27	13	V	0.2	1.1	5.36	152
180970057	2013	5	27	14	V	0.2	1.4	5.72	158
180970057	2013	5	27	15	V	12.3	10.5	6.82	182
180970057	2013	5	27	16	V	1.7	12.5	7.11	209
180970057	2013	5	27	17	V	0.6	2.4	7.13	210
180970057	2013	5	27	18	V	25.7	15.4	6.65	192
180970057	2013	5	27	19	V	7.9	6.4	6.55	201
180970057	2013	5	27	20	V	0.4	1.4	5.16	279

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	27	21	V	0.6	0.4	2.67	234
180970057	2013	5	27	22	V	0.9	2.4	2.76	240
180970057	2013	5	27	23	V	0.8	3.6	2.15	208
180970057	2013	5	27	24	V	0.08	1	3.22	218
180970057	2013	5	28	1	V	0.2	0.7	3.69	211
180970057	2013	5	28	2	V	19.9	0.7	2.83	199
180970057	2013	5	28	3	V	0.07	1.4	3.2	175
180970057	2013	5	28	4	V	1.7	0.8	3.9	179
180970057	2013	5	28	5	V	32.2	1.5	4.61	193
180970057	2013	5	28	6	V	49.7	1.2	3.66	189
180970057	2013	5	28	7	V	54.1	3.4	4.02	196
180970057	2013	5	28	8	V	30.1	9.8	5.44	198
180970057	2013	5	28	9	V	29.7	39.3	5.94	188
180970057	2013	5	28	10	V	32.8	68.5	6.91	194
180970057	2013	5	28	11	V	19.5	63.2	7.91	200
180970057	2013	5	28	12	V	0.3	15.1	9.03	210
180970057	2013	5	28	13	V	13.8	9.6	10.22	201
180970057	2013	5	28	14	V	1.6	12.7	10.05	207
180970057	2013	5	28	15	V	0.3	5.8	9.71	210
180970057	2013	5	28	16	V	3.5	6.9	9.37	205
180970057	2013	5	28	17	V	1.9	8	8.32	206
180970057	2013	5	28	18	V	3.0	2.7	6.57	206
180970057	2013	5	28	19	V	1.3	4.3	5.63	206
180970057	2013	5	28	20	V	9.7	2.6	5.27	201
180970057	2013	5	28	21	V	11.6	7.3	4.82	184
180970057	2013	5	28	22	V	20.1	30.1	5.09	187
180970057	2013	5	28	23	V	40.5	8.7	5.07	195
180970057	2013	5	28	24	V	0.4	16.8	5.17	178
180970057	2013	5	29	1	V	15.4	27.3	5.11	199
180970057	2013	5	29	2	V	7.7	12.7	4.9	183
180970057	2013	5	29	3	V	23.8	20.3	5.19	196
180970057	2013	5	29	4	V	0.5	16.2	5	208
180970057	2013	5	29	5	V	0.08	7.4	5.73	222
180970057	2013	5	29	6	V	0.1	5.6	5.89	223
180970057	2013	5	29	7	V	0.5	7.8	6.04	215
180970057	2013	5	29	8	V	0.3	7.4	6.35	214
180970057	2013	5	29	9	V	0.5	7	6.5	213
180970057	2013	5	29	10	V	0.1	5.3	8.5	217
180970057	2013	5	29	11	V	0.1	3.9	8.61	223
180970057	2013	5	29	12	V	0.5	2.7	8.67	213
180970057	2013	5	29	13	V	0.2	3	8.52	217
180970057	2013	5	29	14	V	0.9	5	8.88	211
180970057	2013	5	29	15	V	0.3	5.3	7.96	214
180970057	2013	5	29	16	V	7.6	5	7.45	205
180970057	2013	5	29	17	V	0.7	19.3	7.04	210
180970057	2013	5	29	18	V	41.1	24.3	6.01	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	29	19	V	0.6	25.2	5.8	178
180970057	2013	5	29	20	V	0.2	9.1	5.17	176
180970057	2013	5	29	21	V	0.06	1.9	4.22	170
180970057	2013	5	29	22	V	0.06	1.3	3.78	168
180970057	2013	5	29	23	V	0.03	1	5.05	166
180970057	2013	5	29	24	V	0.02	0.7	5.56	169
180970057	2013	5	30	1	V	0.03	0.6	5.02	174
180970057	2013	5	30	2	V	0.05	0.5	4.95	175
180970057	2013	5	30	3	V	0.03	0.3	4.58	171
180970057	2013	5	30	4	V	0.03	0.3	4.76	162
180970057	2013	5	30	5	V	0.8	0.3	5.21	173
180970057	2013	5	30	6	V	12.7	1.7	6.62	183
180970057	2013	5	30	7	V	25.1	19	6.75	186
180970057	2013	5	30	8	V	9.1	10.3	7.09	181
180970057	2013	5	30	9	V	12.2	11.3	7.72	182
180970057	2013	5	30	10	V	12.6	5.5	7.64	182
180970057	2013	5	30	11	V	35.5	25.4	9.44	193
180970057	2013	5	30	12	V	26.2	16.6	9.41	187
180970057	2013	5	30	13	V	16.9	35.7	8.81	184
180970057	2013	5	30	14	V	15.7	22.5	9.9	184
180970057	2013	5	30	15	V	30.1	14.3	9.37	197
180970057	2013	5	30	16	V	3.7	13.7	9.54	179
180970057	2013	5	30	17	V	11.5	23.9	9.34	183
180970057	2013	5	30	18	V	13.7	29.5	7.71	186
180970057	2013	5	30	19	V	0.04	23.3	6.21	172
180970057	2013	5	30	20	V	0.02	3.9	7.26	168
180970057	2013	5	30	21	V	0.02	1.6	7.04	167
180970057	2013	5	30	22	V	0.03	1.2	6.33	169
180970057	2013	5	30	23	V	0.05	0.9	7.26	172
180970057	2013	5	30	24	V	0.05	0.9	8.46	173
180970057	2013	5	31	1	V	0.03	0.9	5.36	173
180970057	2013	5	31	2	V	0.04	0.8	6.46	172
180970057	2013	5	31	3	V	0.03	0.6	4.86	152
180970057	2013	5	31	4	V	0.02	0.5	6.46	161
180970057	2013	5	31	5	V	0.08	0.3	6.96	164
180970057	2013	5	31	6	V	0.1	1	5.96	237
180970057	2013	5	31	7	V	0.2	0.4	5.36	246
180970057	2013	5	31	8	V	17.4	0.3	3.86	179
180970057	2013	5	31	9	V	0.1	0.3	7.46	151
180970057	2013	5	31	10	V	0.1	0.1	4.86	152
180970057	2013	5	31	11	V	0.5	0.1	3.86	170
180970057	2013	5	31	12	V	3.7	0.2	6.46	179
180970057	2013	5	31	13	V	42.1	0.6	6.46	191
180970057	2013	5	31	14	V	5.0	6.7	6.96	205
180970057	2013	5	31	15	V	46.7	6	6.96	195
180970057	2013	5	31	16	V	12.2	5.6	5.36	183

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	5	31	17	V	7.2	11.3	7.46	182
180970057	2013	5	31	18	V	11.2	5.3	6.46	184
180970057	2013	5	31	19	V	6.2	3.1	6.46	184
180970057	2013	5	31	20	V	0.07	1.4	5.36	174
180970057	2013	5	31	21	V	3.4	0.8	4.86	181
180970057	2013	5	31	22	V	24.1	2	6.46	195
180970057	2013	5	31	23	V	0.1	10.2	6.58	175
180970057	2013	5	31	24	V	0.04	2.1	5.92	168
180970057	2013	6	1	1	V	0.05	1.2	6.33	171
180970057	2013	6	1	2	V	11.8	0.8	6.43	187
180970057	2013	6	1	3	V	0.07	0.5	4.24	301
180970057	2013	6	1	4	V	0.7	0.1	2.23	268
180970057	2013	6	1	5	V	3.0	0.1	2.47	213
180970057	2013	6	1	6	V	8.3	0	3.44	177
180970057	2013	6	1	7	V	0.09	0.1	6.4	140
180970057	2013	6	1	8	V	0.1	0	6.7	155
180970057	2013	6	1	9	V	0.1	0.2	7.64	167
180970057	2013	6	1	10	V	0.1	0.1	8.27	171
180970057	2013	6	1	11	V	1.1	3.4	8.57	209
180970057	2013	6	1	12	V	0.2	0.7	8.78	212
180970057	2013	6	1	13	V	13.9	16.6	7.74	183
180970057	2013	6	1	14	V	1.8	4	8.5	177
180970057	2013	6	1	15	V	24.0	5.8	5.67	201
180970057	2013	6	1	16	V	1.0	8.6	4.73	210
180970057	2013	6	1	17	V	6.5	9.4	6.01	204
180970057	2013	6	1	18	V	6.0	3.8	5.58	205
180970057	2013	6	1	19	V	0.2	1.9	7.77	229
180970057	2013	6	1	20	V	0.07	0.9	6.12	220
180970057	2013	6	1	21	V	0.2	0.6	5.55	211
180970057	2013	6	1	22	V	0.2	0.5	5.21	213
180970057	2013	6	1	23	V	0.09	-999	6.7	214
180970057	2013	6	1	24	V	0.1	0.4	6.74	226
180970057	2013	6	2	1	V	0.1	0.2	6.65	234
180970057	2013	6	2	2	V	0.06	0.1	5.85	230
180970057	2013	6	2	3	V	0.1	0.1	4.87	236
180970057	2013	6	2	4	V	0.07	0.1	4.44	228
180970057	2013	6	2	5	V	0.2	0.1	4.51	231
180970057	2013	6	2	6	V	0.2	0.1	4.73	234
180970057	2013	6	2	7	V	0.2	0.7	4.61	246
180970057	2013	6	2	8	V	0.3	1.2	5.1	257
180970057	2013	6	2	9	V	0.2	0.9	5.33	274
180970057	2013	6	2	10	V	0.1	0.4	5.72	279
180970057	2013	6	2	11	V	0.2	0.2	5	287
180970057	2013	6	2	12	V	0.7	0.3	2.5	252
180970057	2013	6	2	13	V	0.2	0.2	3.86	283
180970057	2013	6	2	14	V	0.6	0.3	3.22	245

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	2	15	V	0.5	0.2	4.02	244
180970057	2013	6	2	16	V	0.2	0.1	5.46	276
180970057	2013	6	2	17	V	0.1	0.2	6.19	324
180970057	2013	6	2	18	V	0.06	0.1	5.87	330
180970057	2013	6	2	19	V	0.04	0	6.55	333
180970057	2013	6	2	20	V	0.04	0	6.21	348
180970057	2013	6	2	21	V	0.07	0	4.63	355
180970057	2013	6	2	22	V	0.08	0	4.07	360
180970057	2013	6	2	23	V	0.07	0	3.54	353
180970057	2013	6	2	24	V	0.06	0	3.32	352
180970057	2013	6	3	1	V	0.06	0	3.61	345
180970057	2013	6	3	2	V	0.04	0	4.09	334
180970057	2013	6	3	3	V	0.04	0	3.52	338
180970057	2013	6	3	4	V	0.04	0.1	3.01	356
180970057	2013	6	3	5	V	0.4	0.1	2.47	11
180970057	2013	6	3	6	V	1.1	0.1	2.74	13
180970057	2013	6	3	7	V	0.6	0.2	3.07	13
180970057	2013	6	3	8	V	3.5	0.3	2.86	25
180970057	2013	6	3	9	V	1.4	0.5	2.91	13
180970057	2013	6	3	10	V	1.1	0.4	2.84	11
180970057	2013	6	3	11	V	1.4	0.3	2.45	5
180970057	2013	6	3	12	V	0.7	0.3	3.4	10
180970057	2013	6	3	13	V	3.5	0.3	3.17	26
180970057	2013	6	3	14	V	8.0	1.2	2.79	49
180970057	2013	6	3	15	V	2.4	1.3	1.89	6
180970057	2013	6	3	16	V	6.2	0.8	1.96	59
180970057	2013	6	3	17	V	8.2	0.6	2.04	52
180970057	2013	6	3	18	V	0.7	0.4	2.91	31
180970057	2013	6	3	19	V	0.07	0.2	2.89	24
180970057	2013	6	3	20	V	0.07	0.4	3.4	33
180970057	2013	6	3	21	V	0.06	0.3	3.63	31
180970057	2013	6	3	22	V	0.09	0.4	2.71	31
180970057	2013	6	3	23	V	0.07	0.3	2.76	15
180970057	2013	6	3	24	V	0.04	0.3	2.95	21
180970057	2013	6	4	1	V	0.1	0.3	3.23	36
180970057	2013	6	4	2	V	3.8	0.2	2.98	46
180970057	2013	6	4	3	V	0.4	0.2	3.15	39
180970057	2013	6	4	4	V	0.08	0.2	2.86	59
180970057	2013	6	4	5	V	10.2	0.3	2.84	54
180970057	2013	6	4	6	V	3.4	0.4	2.28	72
180970057	2013	6	4	7	V	18.0	0.5	1.94	40
180970057	2013	6	4	8	V	1.1	1.1	3.52	75
180970057	2013	6	4	9	V	0.4	0.9	4.15	111
180970057	2013	6	4	10	V	0.2	1.2	5.22	116
180970057	2013	6	4	11	V	0.2	1.3	5.31	96
180970057	2013	6	4	12	V	0.2	0.9	5.29	105

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	4	13	V	0.2	0.9	5.16	100
180970057	2013	6	4	14	V	0.2	1.1	4.87	97
180970057	2013	6	4	15	V	0.3	0.9	4.2	90
180970057	2013	6	4	16	V	0.2	0.8	4.12	93
180970057	2013	6	4	17	V	0.2	1	3.58	84
180970057	2013	6	4	18	V	0.2	1	4.6	110
180970057	2013	6	4	19	V	0.09	1.7	3.93	115
180970057	2013	6	4	20	V	0.08	3.1	3.98	108
180970057	2013	6	4	21	V	0.07	0.6	2.9	92
180970057	2013	6	4	22	V	0.08	0.5	2.81	86
180970057	2013	6	4	23	V	0.07	0.6	2.69	82
180970057	2013	6	4	24	V	0.06	0.5	2.89	86
180970057	2013	6	5	1	V	0.08	0.5	3.22	89
180970057	2013	6	5	2	V	0.05	0.4	4.75	91
180970057	2013	6	5	3	V	0.04	0.4	4.87	96
180970057	2013	6	5	4	V	0.07	0.3	3.78	100
180970057	2013	6	5	5	V	0.2	0.2	3.63	89
180970057	2013	6	5	6	V	0.7	0.1	2.81	88
180970057	2013	6	5	7	V	0.7	0.4	3.27	81
180970057	2013	6	5	8	V	0.8	0.7	3.47	75
180970057	2013	6	5	9	V	0.5	1.6	3.95	85
180970057	2013	6	5	10	V	0.5	2.5	3.71	107
180970057	2013	6	5	11	V	0.6	2	3.39	114
180970057	2013	6	5	12	V	2.6	1.8	1.84	121
180970057	2013	6	5	13	V	12.6	1.2	1.82	182
180970057	2013	6	5	14	V	1.4	1	2.2	116
180970057	2013	6	5	15	V	7.1	0.8	2.28	168
180970057	2013	6	5	16	V	3.8	1.5	2.47	165
180970057	2013	6	5	17	V	18.6	17.9	1.48	194
180970057	2013	6	5	18	V	2.2	28.2	1.59	178
180970057	2013	6	5	19	V	128.5	2.2	1.99	191
180970057	2013	6	5	20	V	0.5	1	1.59	217
180970057	2013	6	5	21	V	0.7	0.8	1.86	279
180970057	2013	6	5	22	V	0.2	0.7	1.98	356
180970057	2013	6	5	23	V	0.09	0.6	2.59	17
180970057	2013	6	5	24	V	0.09	0.8	3.08	20
180970057	2013	6	6	1	V	1.4	2.3	5.5	44
180970057	2013	6	6	2	V	1.5	3.2	5.62	47
180970057	2013	6	6	3	V	2.4	2.3	4.61	51
180970057	2013	6	6	4	V	7.6	0.9	3.71	48
180970057	2013	6	6	5	V	13.9	0.6	4	45
180970057	2013	6	6	6	V	13.6	0.7	4.02	48
180970057	2013	6	6	7	V	12.4	0.5	4.41	44
180970057	2013	6	6	8	V	14.6	0.5	3.35	43
180970057	2013	6	6	9	V	16.7	0.4	2.9	46
180970057	2013	6	6	10	V	2.4	0.3	3.25	21

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	6	11	V	12.9	0.5	3.27	39
180970057	2013	6	6	12	V	5.1	0.5	3.12	34
180970057	2013	6	6	13	V	10.3	1.1	2.3	36
180970057	2013	6	6	14	V	11.4	1.5	1.96	47
180970057	2013	6	6	15	V	5.3	1.1	1.88	26
180970057	2013	6	6	16	V	3.7	0.9	1.81	19
180970057	2013	6	6	17	V	1.3	0.8	1.54	337
180970057	2013	6	6	18	V	5.5	0.7	1.79	31
180970057	2013	6	6	19	V	0.08	0.5	3.17	14
180970057	2013	6	6	20	V	1.0	0.3	4.44	39
180970057	2013	6	6	21	V	0.3	0.2	4.46	36
180970057	2013	6	6	22	V	1.6	0.1	3.27	41
180970057	2013	6	6	23	V	0.1	0.1	2.52	64
180970057	2013	6	6	24	V	0.07	0.1	3.3	79
180970057	2013	6	7	1	V	0.08	0.2	2.79	106
180970057	2013	6	7	2	V	0.07	0.1	2.49	101
180970057	2013	6	7	3	V	0.08	0	3.49	79
180970057	2013	6	7	4	V	0.08	0.2	2.81	66
180970057	2013	6	7	5	V	13.3	0.3	3.3	50
180970057	2013	6	7	6	V	9.6	0.5	4.14	54
180970057	2013	6	7	7	V	11.6	0.9	3.98	42
180970057	2013	6	7	8	V	12.4	0.9	3.76	51
180970057	2013	6	7	9	V	0.9	0.7	3.44	81
180970057	2013	6	7	10	V	16.8	1.9	2.81	49
180970057	2013	6	7	11	V	9.3	1.1	2.57	32
180970057	2013	6	7	12	V	0.9	1.2	3.37	17
180970057	2013	6	7	13	V	7.9	1.3	3.32	37
180970057	2013	6	7	14	V	0.2	1.2	3.54	11
180970057	2013	6	7	15	V	0.2	1.1	5.36	339
180970057	2013	6	7	16	V	0.1	1	5.27	350
180970057	2013	6	7	17	V	0.09	0.7	5.12	344
180970057	2013	6	7	18	V	0.1	0.5	4.31	340
180970057	2013	6	7	19	V	0.1	0.4	3.54	352
180970057	2013	6	7	20	V	0.1	0.4	3	360
180970057	2013	6	7	21	V	0.1	0.3	2.86	350
180970057	2013	6	7	22	V	0.1	0.3	2.44	325
180970057	2013	6	7	23	V	0.1	0.3	2.56	325
180970057	2013	6	7	24	V	0.1	0.2	2.45	323
180970057	2013	6	8	1	V	0.2	0.3	1.94	355
180970057	2013	6	8	2	V	0.2	0.3	1.87	72
180970057	2013	6	8	3	V	0.04	0.1	2.96	89
180970057	2013	6	8	4	V	0.2	0.4	3.08	60
180970057	2013	6	8	5	V	0.5	0.3	3.32	69
180970057	2013	6	8	6	V	0.3	0.2	3.81	91
180970057	2013	6	8	7	V	0.4	0.6	3.58	106
180970057	2013	6	8	8	V	1.7	1.2	2.61	113

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	8	9	V	1.7	1.4	2.21	107
180970057	2013	6	8	10	V	0.9	1.7	2.59	116
180970057	2013	6	8	11	V	0.4	1.5	3.93	135
180970057	2013	6	8	12	V	0.8	1.6	2.88	117
180970057	2013	6	8	13	V	0.8	1.2	2.84	141
180970057	2013	6	8	14	V	0.9	0.9	2.64	128
180970057	2013	6	8	15	V	2.1	1	2.52	154
180970057	2013	6	8	16	V	0.9	0.9	2.25	134
180970057	2013	6	8	17	V	1.2	1	2.4	158
180970057	2013	6	8	18	V	0.5	5.3	2.72	173
180970057	2013	6	8	19	V	105.1	7.9	2.52	191
180970057	2013	6	8	20	V	2.3	0.6	2.22	179
180970057	2013	6	8	21	V	134.4	0.5	2.4	193
180970057	2013	6	8	22	V	0.08	0.3	3.42	144
180970057	2013	6	8	23	V	0.09	-999	3.95	130
180970057	2013	6	8	24	V	0.05	0.4	3.8	136
180970057	2013	6	9	1	V	0.07	0.3	3.39	130
180970057	2013	6	9	2	V	0.05	0.3	2.83	125
180970057	2013	6	9	3	V	0.08	0.3	2.44	110
180970057	2013	6	9	4	V	0.07	0.4	2.72	131
180970057	2013	6	9	5	V	0.5	0.4	2.45	135
180970057	2013	6	9	6	V	6.3	0.3	1.13	100
180970057	2013	6	9	7	V	1.7	0.5	2.08	137
180970057	2013	6	9	8	V	1.3	0.6	2.25	139
180970057	2013	6	9	9	V	1.9	1.7	1.88	132
180970057	2013	6	9	10	V	4.4	2.7	3.13	167
180970057	2013	6	9	11	V	11.5	3.4	5.31	178
180970057	2013	6	9	12	V	7.1	2.4	4.6	173
180970057	2013	6	9	13	V	0.4	1.1	4.26	148
180970057	2013	6	9	14	V	0.4	0.4	4.63	165
180970057	2013	6	9	15	V	0.2	0.3	5.92	168
180970057	2013	6	9	16	V	0.1	0.3	5.72	163
180970057	2013	6	9	17	V	0.1	0.5	6.45	167
180970057	2013	6	9	18	V	0.1	0.5	4.88	157
180970057	2013	6	9	19	V	0.1	0.4	4.05	145
180970057	2013	6	9	20	V	0.1	0.2	3.05	136
180970057	2013	6	9	21	V	0.1	0.1	2.47	147
180970057	2013	6	9	22	V	0.6	0.1	1.38	100
180970057	2013	6	9	23	V	0.1	0	2.3	130
180970057	2013	6	9	24	V	0.1	0	4.17	151
180970057	2013	6	10	1	V	0.05	0	5	151
180970057	2013	6	10	2	V	0.07	0	5.48	229
180970057	2013	6	10	3	V	0.2	0	3.76	239
180970057	2013	6	10	4	V	0.1	0	2.16	230
180970057	2013	6	10	5	V	11.3	0.3	3.36	180
180970057	2013	6	10	6	V	3.2	0.2	3.86	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	10	7	V	0.3	0.1	4.6	222
180970057	2013	6	10	8	V	0.2	0.3	5.22	233
180970057	2013	6	10	9	V	0.3	0.9	5.17	226
180970057	2013	6	10	10	V	0.3	0.9	5.51	220
180970057	2013	6	10	11	V	0.2	0.6	5.63	225
180970057	2013	6	10	12	V	0.4	0.5	6.28	240
180970057	2013	6	10	13	V	0.4	0.4	6.5	240
180970057	2013	6	10	14	V	0.3	0.2	7.06	239
180970057	2013	6	10	15	V	0.3	0.1	5.51	251
180970057	2013	6	10	16	V	0.3	0	6.19	254
180970057	2013	6	10	17	V	0.2	0.1	6.23	245
180970057	2013	6	10	18	V	0.2	0.1	6.45	251
180970057	2013	6	10	19	V	0.6	0.1	5.9	248
180970057	2013	6	10	20	V	0.6	0	4.94	242
180970057	2013	6	10	21	V	0.1	0	3.76	221
180970057	2013	6	10	22	V	0.4	0	3.44	230
180970057	2013	6	10	23	V	0.4	0	3.42	232
180970057	2013	6	10	24	V	0.2	0	3.05	224
180970057	2013	6	11	1	V	0.06	0	3.3	227
180970057	2013	6	11	2	V	0.2	0	3.76	239
180970057	2013	6	11	3	V	0.2	0	3.61	244
180970057	2013	6	11	4	V	0.3	0	3.18	249
180970057	2013	6	11	5	V	0.4	0	3.1	245
180970057	2013	6	11	6	V	0.6	0	3.25	244
180970057	2013	6	11	7	V	1.7	0.2	2.54	238
180970057	2013	6	11	8	V	1.2	0.3	2.52	243
180970057	2013	6	11	9	V	1.3	0.3	2.59	260
180970057	2013	6	11	10	V	0.6	0.3	3.59	277
180970057	2013	6	11	11	V	0.6	0.3	3.56	267
180970057	2013	6	11	12	V	0.8	0.3	3.17	276
180970057	2013	6	11	13	V	0.9	0.6	3.52	229
180970057	2013	6	11	14	V	0.9	0.4	4.41	220
180970057	2013	6	11	15	V	0.9	0.6	4.77	218
180970057	2013	6	11	16	V	0.3	0.8	5.16	233
180970057	2013	6	11	17	V	0.1	0.3	5.92	228
180970057	2013	6	11	18	V	0.2	0.2	4.49	212
180970057	2013	6	11	19	V	0.1	0.7	4.97	215
180970057	2013	6	11	20	V	0.2	1.3	3.9	225
180970057	2013	6	11	21	V	5.5	0.6	3.3	204
180970057	2013	6	11	22	V	0.1	0.4	3.56	169
180970057	2013	6	11	23	V	0.08	0.3	2.56	163
180970057	2013	6	11	24	V	9.9	0.2	3.06	183
180970057	2013	6	12	1	V	45.1	0.3	2.79	197
180970057	2013	6	12	2	V	0.2	0.6	2.05	212
180970057	2013	6	12	3	V	0.1	0.5	2.38	212
180970057	2013	6	12	4	V	0.1	0.7	3.92	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	12	5	V	0.3	0.3	3.63	249
180970057	2013	6	12	6	V	0.8	0.3	3.2	262
180970057	2013	6	12	7	V	18.0	0.4	1.45	36
180970057	2013	6	12	8	V	28.9	0.6	1.5	188
180970057	2013	6	12	9	V	3.2	0.7	2.11	231
180970057	2013	6	12	10	V	0.7	0.9	3.51	234
180970057	2013	6	12	11	V	0.5	1.2	4.31	236
180970057	2013	6	12	12	V	0.5	1.1	4.77	242
180970057	2013	6	12	13	V	0.3	0.8	5.5	229
180970057	2013	6	12	14	V	0.2	0.5	7.08	215
180970057	2013	6	12	15	V	3.4	0.6	7.64	209
180970057	2013	6	12	16	V	0.5	0.7	5.34	217
180970057	2013	6	12	17	V	4.3	1.7	5.97	208
180970057	2013	6	12	18	V	0.2	2.6	5.27	212
180970057	2013	6	12	19	V	0.07	1.2	5.7	217
180970057	2013	6	12	20	V	2.4	0.5	5.51	205
180970057	2013	6	12	21	V	0.7	1.4	6.86	208
180970057	2013	6	12	22	V	0.1	1.2	6.52	214
180970057	2013	6	12	23	V	0.2	1.7	8.67	212
180970057	2013	6	12	24	V	0.09	0.6	9.76	224
180970057	2013	6	13	1	V	0.1	0.3	9.25	233
180970057	2013	6	13	2	V	0.2	0.2	9.07	239
180970057	2013	6	13	3	V	0.4	0.3	7.71	249
180970057	2013	6	13	4	V	0.05	0	4.49	301
180970057	2013	6	13	5	V	0.6	0	2.11	236
180970057	2013	6	13	6	V	0.3	0	2.86	236
180970057	2013	6	13	7	V	0.09	0	8.39	327
180970057	2013	6	13	8	V	0.2	0	5.41	328
180970057	2013	6	13	9	V	0.09	0	7.59	328
180970057	2013	6	13	10	V	0.1	0	6.87	332
180970057	2013	6	13	11	V	0.1	0	6.5	331
180970057	2013	6	13	12	V	0.2	0	6.45	351
180970057	2013	6	13	13	V	0.1	0	7.15	2
180970057	2013	6	13	14	V	0.1	0	7.28	347
180970057	2013	6	13	15	V	0.1	0	7.91	333
180970057	2013	6	13	16	V	0.1	0	8.86	334
180970057	2013	6	13	17	V	0.08	0	9.39	339
180970057	2013	6	13	18	V	0.09	0	9	336
180970057	2013	6	13	19	V	0.04	0	8.73	342
180970057	2013	6	13	20	V	0.02	0	7.06	341
180970057	2013	6	13	21	V	0.02	0	5.36	334
180970057	2013	6	13	22	V	0.02	0	5.92	340
180970057	2013	6	13	23	V	0.02	0	5.45	337
180970057	2013	6	13	24	V	0.05	0	4.25	343
180970057	2013	6	14	1	V	0.04	0	3.63	350
180970057	2013	6	14	2	V	0.03	0	4.46	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	14	3	V	0.04	0	3.8	353
180970057	2013	6	14	4	V	0.08	0	2.25	332
180970057	2013	6	14	5	V	0.4	0	2.5	316
180970057	2013	6	14	6	V	0.5	0	3.3	333
180970057	2013	6	14	7	V	0.6	0	3.57	356
180970057	2013	6	14	8	V	0.4	0.1	3.81	10
180970057	2013	6	14	9	V	1.2	0.1	3.83	22
180970057	2013	6	14	10	V	4.3	0.7	2.98	27
180970057	2013	6	14	11	V	6.1	0.4	2.16	31
180970057	2013	6	14	12	V	0.9	0.9	2.71	359
180970057	2013	6	14	13	V	1.1	0.3	2.98	9
180970057	2013	6	14	14	V	7.0	1	2.74	46
180970057	2013	6	14	15	V	5.3	2.7	2.28	32
180970057	2013	6	14	16	V	0.9	0.4	2.42	359
180970057	2013	6	14	17	V	0.5	0	2.5	322
180970057	2013	6	14	18	V	0.08	0	3.2	309
180970057	2013	6	14	19	V	0.08	0	3.27	324
180970057	2013	6	14	20	V	0.08	0	3	355
180970057	2013	6	14	21	V	0.7	0.4	2.47	37
180970057	2013	6	14	22	V	0.1	0	2.33	71
180970057	2013	6	14	23	V	0.2	0	2.04	86
180970057	2013	6	14	24	V	0.3	0	1.62	98
180970057	2013	6	15	1	V	0.6	0	1.37	109
180970057	2013	6	15	2	V	1.9	0	1.01	119
180970057	2013	6	15	3	V	0.1	0	2.06	129
180970057	2013	6	15	4	V	0.08	0	2.42	124
180970057	2013	6	15	5	V	0.4	0	2.79	146
180970057	2013	6	15	6	V	2.9	0	1.21	138
180970057	2013	6	15	7	V	1.3	0	1.98	146
180970057	2013	6	15	8	V	40.6	2.3	2.22	205
180970057	2013	6	15	9	V	70.1	8.7	3.29	190
180970057	2013	6	15	10	V	17.5	16.4	3.37	178
180970057	2013	6	15	11	V	0.2	13.2	5.51	154
180970057	2013	6	15	12	V	33.9	5.4	6.26	188
180970057	2013	6	15	13	V	0.3	3.1	6.23	217
180970057	2013	6	15	14	V	1.2	1.7	6.21	213
180970057	2013	6	15	15	V	0.1	1	5.87	219
180970057	2013	6	15	16	V	0.2	1.4	5.7	220
180970057	2013	6	15	17	V	0.2	1.7	6.48	243
180970057	2013	6	15	18	V	0.1	1.8	4.73	231
180970057	2013	6	15	19	V	1.9	1.7	3.86	206
180970057	2013	6	15	20	V	0.7	1.8	3.46	208
180970057	2013	6	15	21	V	0.1	1.3	3.22	215
180970057	2013	6	15	22	V	0.2	0.9	2.32	213
180970057	2013	6	15	23	V	2.7	-999	2.1	206
180970057	2013	6	15	24	V	8.5	0.8	2.3	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	16	1	V	0.09	0.7	3.85	224
180970057	2013	6	16	2	V	0.4	0.6	10.1	263
180970057	2013	6	16	3	V	0.02	0.5	5.29	303
180970057	2013	6	16	4	V	0.2	0.4	3.22	233
180970057	2013	6	16	5	V	0.2	0	3.58	224
180970057	2013	6	16	6	V	9.9	0	4.24	204
180970057	2013	6	16	7	V	1.6	0	3.17	221
180970057	2013	6	16	8	V	0.2	0.1	4.9	238
180970057	2013	6	16	9	V	0.5	0.4	4.41	241
180970057	2013	6	16	10	V	0.5	0.5	5.11	243
180970057	2013	6	16	11	V	0.4	0.5	5.8	241
180970057	2013	6	16	12	V	0.2	0.3	5.61	228
180970057	2013	6	16	13	V	0.3	0.4	6.09	233
180970057	2013	6	16	14	V	0.3	0.2	5.99	233
180970057	2013	6	16	15	V	0.1	0.2	6.16	226
180970057	2013	6	16	16	V	0.4	0.1	5.14	235
180970057	2013	6	16	17	V	0.3	0.1	5.39	244
180970057	2013	6	16	18	V	0.2	0.1	5.9	236
180970057	2013	6	16	19	V	0.7	0	4.9	243
180970057	2013	6	16	20	V	0.5	0	3.64	234
180970057	2013	6	16	21	V	0.9	0	4.03	208
180970057	2013	6	16	22	V	0.2	0.1	3.73	212
180970057	2013	6	16	23	V	0.07	0.2	3.22	218
180970057	2013	6	16	24	V	0.08	0.2	3.01	220
180970057	2013	6	17	1	V	0.2	0	2.13	229
180970057	2013	6	17	2	V	0.1	0	2.2	219
180970057	2013	6	17	3	V	0.1	0.2	2.27	213
180970057	2013	6	17	4	V	0.2	0.4	2.25	210
180970057	2013	6	17	5	V	2.0	0	1.47	231
180970057	2013	6	17	6	V	51.1	0	1.98	196
180970057	2013	6	17	7	V	53.7	0.4	1.67	204
180970057	2013	6	17	8	V	73.4	0.4	1.5	189
180970057	2013	6	17	9	V	22.5	1.1	1.14	222
180970057	2013	6	17	10	V	13.1	1	2.16	210
180970057	2013	6	17	11	V	9.1	6.3	2.52	216
180970057	2013	6	17	12	V	15.5	18.9	2.13	197
180970057	2013	6	17	13	V	14.4	11.4	2.52	207
180970057	2013	6	17	14	V	4.3	4.6	2.57	225
180970057	2013	6	17	15	V	1.6	4.4	1.99	283
180970057	2013	6	17	16	V	1.7	1.8	1.65	303
180970057	2013	6	17	17	V	0.4	1.2	1.86	300
180970057	2013	6	17	18	V	0.05	0.3	2.59	322
180970057	2013	6	17	19	V	0.2	0.3	2.08	333
180970057	2013	6	17	20	V	0.2	0.3	1.96	354
180970057	2013	6	17	21	V	0.3	0.4	1.69	1
180970057	2013	6	17	22	V	0.3	0.3	1.77	19

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	17	23	V	0.2	2.5	4.36	223
180970057	2013	6	17	24	V	0.8	1.3	4.36	259
180970057	2013	6	18	1	V	0.5	0.5	2.86	250
180970057	2013	6	18	2	V	0.3	0.1	2.86	242
180970057	2013	6	18	3	V	0.8	0	2.86	274
180970057	2013	6	18	4	V	0.4	0	2.56	280
180970057	2013	6	18	5	V	0.9	0	2.27	260
180970057	2013	6	18	6	V	8.0	0.4	3.78	176
180970057	2013	6	18	7	V	14.9	1	3.29	211
180970057	2013	6	18	8	V	1.0	2	3.57	247
180970057	2013	6	18	9	V	1.5	1.4	2.55	307
180970057	2013	6	18	10	V	5.7	1.4	1.54	324
180970057	2013	6	18	11	V	1.7	-999	2.2	351
180970057	2013	6	18	12	V	1.9	3.5	2.49	7
180970057	2013	6	18	13	V	5.6	4	2.57	48
180970057	2013	6	18	14	V	3.6	2.1	3.41	26
180970057	2013	6	18	15	V	5.5	1.7	3.76	32
180970057	2013	6	18	16	V	0.2	1.4	5.16	16
180970057	2013	6	18	17	V	0.2	0.2	5.36	20
180970057	2013	6	18	18	V	0.5	0.4	5.44	30
180970057	2013	6	18	19	V	0.05	0.2	6.45	31
180970057	2013	6	18	20	V	0.7	1.8	5.39	41
180970057	2013	6	18	21	V	1.4	1.4	4.73	42
180970057	2013	6	18	22	V	0.06	0.5	3.07	31
180970057	2013	6	18	23	V	0.07	0.1	3.66	28
180970057	2013	6	18	24	V	0.03	0.2	4.83	67
180970057	2013	6	19	1	V	0.05	0	4.1	88
180970057	2013	6	19	2	V	0.03	0	4.73	76
180970057	2013	6	19	3	V	0.04	0	4.27	84
180970057	2013	6	19	4	V	0.04	0	3.86	85
180970057	2013	6	19	5	V	0.2	0	3.9	77
180970057	2013	6	19	6	V	0.4	0	3.78	77
180970057	2013	6	19	7	V	0.6	0	5.19	70
180970057	2013	6	19	8	V	0.3	0	4.75	78
180970057	2013	6	19	9	V	0.4	0.1	4.15	87
180970057	2013	6	19	10	V	0.6	0.3	3.73	82
180970057	2013	6	19	11	V	0.7	0.5	3.37	92
180970057	2013	6	19	12	V	0.6	0.4	3.42	115
180970057	2013	6	19	13	V	3.1	1	3.01	72
180970057	2013	6	19	14	V	3.6	1.8	2.18	20
180970057	2013	6	19	15	V	1.2	0.9	2.86	85
180970057	2013	6	19	16	V	0.7	0.3	2.61	103
180970057	2013	6	19	17	V	0.4	0.6	2.84	103
180970057	2013	6	19	18	V	0.09	0.2	2.55	149
180970057	2013	6	19	19	V	0.07	0.4	2.88	161
180970057	2013	6	19	20	V	2.4	0.8	2.81	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	19	21	V	8.9	0	2.35	182
180970057	2013	6	19	22	V	0.6	0	1.48	155
180970057	2013	6	19	23	V	2.5	0.1	2.69	53
180970057	2013	6	19	24	V	0.1	0	2.35	81
180970057	2013	6	20	1	V	0.08	0.3	2.42	105
180970057	2013	6	20	2	V	0.1	1	1.98	103
180970057	2013	6	20	3	V	0.2	1.2	1.71	103
180970057	2013	6	20	4	V	0.2	0.9	1.69	127
180970057	2013	6	20	5	V	2.3	0.3	1.3	125
180970057	2013	6	20	6	V	1.5	1.3	2.01	114
180970057	2013	6	20	7	V	0.8	2.3	3.03	141
180970057	2013	6	20	8	V	0.4	2.6	3.85	145
180970057	2013	6	20	9	V	4.2	1.7	3.93	171
180970057	2013	6	20	10	V	14.2	4.1	3.85	178
180970057	2013	6	20	11	V	13.2	2.4	3.18	176
180970057	2013	6	20	12	V	10.9	11.2	3.06	174
180970057	2013	6	20	13	V	16.5	21.2	3.71	181
180970057	2013	6	20	14	V	21.0	24	3.69	186
180970057	2013	6	20	15	V	6.7	15.2	2.54	166
180970057	2013	6	20	16	V	0.7	2.7	2.72	140
180970057	2013	6	20	17	V	9.0	0.8	2.52	172
180970057	2013	6	20	18	V	0.1	4.1	3.35	160
180970057	2013	6	20	19	V	0.1	0.2	2.93	176
180970057	2013	6	20	20	V	0.4	0.2	3.49	177
180970057	2013	6	20	21	V	0.06	0.3	3.08	171
180970057	2013	6	20	22	V	0.06	0.3	3.03	166
180970057	2013	6	20	23	V	0.06	0.2	3.12	151
180970057	2013	6	20	24	V	0.06	0.1	3.13	144
180970057	2013	6	21	1	V	0.1	0.1	2.44	131
180970057	2013	6	21	2	V	0.09	0	2.38	134
180970057	2013	6	21	3	V	0.07	0	2.57	125
180970057	2013	6	21	4	V	0.04	0	3.66	136
180970057	2013	6	21	5	V	0.3	0	3.52	134
180970057	2013	6	21	6	V	4.6	0.6	1.52	105
180970057	2013	6	21	7	V	1.0	1.4	3.29	123
180970057	2013	6	21	8	V	1.1	1.5	2.93	145
180970057	2013	6	21	9	V	0.9	1.1	2.83	144
180970057	2013	6	21	10	V	6.8	1.6	3.47	170
180970057	2013	6	21	11	V	1.1	1.5	4.12	161
180970057	2013	6	21	12	V	11.2	3.9	4.05	176
180970057	2013	6	21	13	V	2.4	3.7	4.7	168
180970057	2013	6	21	14	V	28.6	4.5	4.61	193
180970057	2013	6	21	15	V	28.6	4	4.7	187
180970057	2013	6	21	16	V	19.8	5.9	4.85	182
180970057	2013	6	21	17	V	26.2	0.7	4.22	201
180970057	2013	6	21	18	V	4.3	3.1	3.49	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	21	19	V	1.1	0.8	3.12	209
180970057	2013	6	21	20	V	0.7	0.7	3.15	237
180970057	2013	6	21	21	V	15.1	0.3	3.54	202
180970057	2013	6	21	22	V	0.04	0.6	5.58	170
180970057	2013	6	21	23	V	64.2	1	2.62	197
180970057	2013	6	21	24	V	1.0	0.9	2.74	248
180970057	2013	6	22	1	V	0.7	1	1.7	253
180970057	2013	6	22	2	V	52.0	0.4	1.6	199
180970057	2013	6	22	3	V	0.05	1.2	3	164
180970057	2013	6	22	4	V	60.4	3.3	3	193
180970057	2013	6	22	5	V	2.9	2	3	214
180970057	2013	6	22	6	V	40.2	1.1	2.84	201
180970057	2013	6	22	7	V	37.7	3.2	3.47	199
180970057	2013	6	22	8	V	5.0	4.9	4.58	211
180970057	2013	6	22	9	V	9.3	6.4	4.46	208
180970057	2013	6	22	10	V	0.4	4.1	5.97	236
180970057	2013	6	22	11	V	0.3	2.3	5.7	230
180970057	2013	6	22	12	V	0.3	1.5	5.04	231
180970057	2013	6	22	13	V	0.3	1	4.42	231
180970057	2013	6	22	14	V	0.5	0.6	5.99	217
180970057	2013	6	22	15	V	0.4	0.5	7.62	215
180970057	2013	6	22	16	V	0.4	0.8	5.95	243
180970057	2013	6	22	17	V	0.2	1.8	5.6	171
180970057	2013	6	22	18	V	0.3	0.9	6.45	172
180970057	2013	6	22	19	V	0.2	0.7	4.27	173
180970057	2013	6	22	20	V	1.0	1.8	3.44	244
180970057	2013	6	22	21	V	1.3	0.8	2.45	245
180970057	2013	6	22	22	V	2.4	0.6	1.21	248
180970057	2013	6	22	23	V	0.07	-999	3.35	137
180970057	2013	6	22	24	V	0.04	0.3	3.17	122
180970057	2013	6	23	1	V	0.1	0.1	1.93	127
180970057	2013	6	23	2	V	0.07	0	2.56	115
180970057	2013	6	23	3	V	0.1	0	2.11	142
180970057	2013	6	23	4	V	0.3	0.1	2.15	251
180970057	2013	6	23	5	V	2.2	0	1.43	324
180970057	2013	6	23	6	V	2.2	0	1.84	91
180970057	2013	6	23	7	V	2.3	0.3	2.04	121
180970057	2013	6	23	8	V	29.0	3	2.06	176
180970057	2013	6	23	9	V	0.7	3.5	3.85	164
180970057	2013	6	23	10	V	9.3	10.6	4.39	177
180970057	2013	6	23	11	V	34.9	22.2	5.75	191
180970057	2013	6	23	12	V	4.4	7.2	7.13	209
180970057	2013	6	23	13	V	0.9	3.9	6.5	215
180970057	2013	6	23	14	V	33.8	2.2	6.65	196
180970057	2013	6	23	15	V	5.0	31.5	11.23	205
180970057	2013	6	23	16	V	0.2	0.9	7.48	264

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	23	17	V	1.3	0.9	3.32	172
180970057	2013	6	23	18	V	0.09	1.9	3	147
180970057	2013	6	23	19	V	0.3	6.2	1.55	135
180970057	2013	6	23	20	V	0.08	3.8	2.66	142
180970057	2013	6	23	21	V	0.08	0.9	3.78	162
180970057	2013	6	23	22	V	0.07	0.3	2.93	157
180970057	2013	6	23	23	V	0.07	0.2	2.86	138
180970057	2013	6	23	24	V	0.07	0.1	3.64	136
180970057	2013	6	24	1	V	0.05	0	3.76	147
180970057	2013	6	24	2	V	0.05	0	3.17	139
180970057	2013	6	24	3	V	0.05	0	3.07	149
180970057	2013	6	24	4	V	0.08	0	2.4	145
180970057	2013	6	24	5	V	0.2	0	3.66	136
180970057	2013	6	24	6	V	0.3	0	3.57	155
180970057	2013	6	24	7	V	25.4	0.8	3.64	204
180970057	2013	6	24	8	V	0.4	0.9	4.41	229
180970057	2013	6	24	9	V	0.3	0.6	6.06	233
180970057	2013	6	24	10	V	0.5	0.5	4.09	227
180970057	2013	6	24	11	V	5.4	5.3	3.86	214
180970057	2013	6	24	12	V	12.6	5.2	3.35	210
180970057	2013	6	24	13	V	1.9	3.9	3.1	227
180970057	2013	6	24	14	V	20.2	43.1	3.56	202
180970057	2013	6	24	15	V	31.4	47.6	4.7	194
180970057	2013	6	24	16	V	33.0	11.7	4.76	196
180970057	2013	6	24	17	V	11.4	16.5	4.97	206
180970057	2013	6	24	18	V	0.1	7.8	6.04	215
180970057	2013	6	24	19	V	0.07	3.7	5.99	216
180970057	2013	6	24	20	V	2.1	1.4	4.75	206
180970057	2013	6	24	21	V	0.5	8.1	3.42	209
180970057	2013	6	24	22	V	1.4	3.9	3.32	178
180970057	2013	6	24	23	V	0.04	1.2	5.11	170
180970057	2013	6	24	24	V	3.3	0.4	4.87	181
180970057	2013	6	25	1	V	32.1	3.6	4.31	187
180970057	2013	6	25	2	V	44.9	4.5	2.76	189
180970057	2013	6	25	3	V	64.3	3	2.78	192
180970057	2013	6	25	4	V	5.2	2.6	3.25	183
180970057	2013	6	25	5	V	7.8	1.8	2.76	174
180970057	2013	6	25	6	V	59.7	2.6	2.72	189
180970057	2013	6	25	7	V	47.5	2.3	4.14	197
180970057	2013	6	25	8	V	6.3	3.4	4.9	210
180970057	2013	6	25	9	V	0.2	5.4	6.14	220
180970057	2013	6	25	10	V	0.2	3.6	5.26	228
180970057	2013	6	25	11	V	0.4	1.8	5.62	241
180970057	2013	6	25	12	V	0.4	1.7	5.53	242
180970057	2013	6	25	13	V	0.3	2.1	6.75	236
180970057	2013	6	25	14	V	0.2	1.5	6.99	228

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	25	15	V	0.3	1.1	6.52	231
180970057	2013	6	25	16	V	0.2	0.8	7.06	216
180970057	2013	6	25	17	V	0.7	0.5	6.7	212
180970057	2013	6	25	18	V	2.4	1.3	6.24	207
180970057	2013	6	25	19	V	15.7	0.4	5.07	201
180970057	2013	6	25	20	V	3.6	0.3	4.14	207
180970057	2013	6	25	21	V	40.3	5.2	5.1	195
180970057	2013	6	25	22	V	0.08	2.2	7.13	287
180970057	2013	6	25	23	V	0.3	0.3	5.89	211
180970057	2013	6	25	24	V	0.1	0.8	2.81	171
180970057	2013	6	26	1	V	0.1	0.2	2.52	224
180970057	2013	6	26	2	V	65.8	0.3	4.19	194
180970057	2013	6	26	3	V	0.1	0.6	4.36	224
180970057	2013	6	26	4	V	0.2	0.7	5.43	174
180970057	2013	6	26	5	V	20.0	0.1	3.98	182
180970057	2013	6	26	6	V	1.1	0	2.96	158
180970057	2013	6	26	7	V	2.9	0	3.17	168
180970057	2013	6	26	8	V	28.8	2.6	3.2	179
180970057	2013	6	26	9	V	3.1	1.6	3.8	171
180970057	2013	6	26	10	V	2.2	3.2	3.98	173
180970057	2013	6	26	11	V	11.4	13.1	3.8	181
180970057	2013	6	26	12	V	0.9	8.5	5.31	214
180970057	2013	6	26	13	V	0.3	4.5	6.41	215
180970057	2013	6	26	14	V	3.4	3.3	7.3	205
180970057	2013	6	26	15	V	14.7	3.5	6.14	199
180970057	2013	6	26	16	V	0.3	3.3	4.2	258
180970057	2013	6	26	17	V	0.2	1.8	5.24	241
180970057	2013	6	26	18	V	11.1	0.7	3.61	205
180970057	2013	6	26	19	V	33.7	2.3	3.37	188
180970057	2013	6	26	20	V	0.07	1.3	3.66	160
180970057	2013	6	26	21	V	0.06	0.4	2.89	157
180970057	2013	6	26	22	V	0.7	0.2	3.86	176
180970057	2013	6	26	23	V	0.3	0.2	2.38	210
180970057	2013	6	26	24	V	24.2	0	2.74	187
180970057	2013	6	27	1	V	31.7	0.3	3.3	196
180970057	2013	6	27	2	V	0.08	0	3.15	226
180970057	2013	6	27	3	V	0.3	0	3.76	241
180970057	2013	6	27	4	V	0.3	0	3.49	246
180970057	2013	6	27	5	V	0.2	0	3.78	247
180970057	2013	6	27	6	V	0.4	1	3.25	246
180970057	2013	6	27	7	V	0.4	1.7	3.71	262
180970057	2013	6	27	8	V	0.2	0.8	4.37	292
180970057	2013	6	27	9	V	0.1	1.2	5.62	300
180970057	2013	6	27	10	V	0.1	1.2	5.7	315
180970057	2013	6	27	11	V	0.1	1.3	6.01	320
180970057	2013	6	27	12	V	0.1	1.1	6.04	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	27	13	V	0.1	1.1	6.41	317
180970057	2013	6	27	14	V	0.1	1.1	5.9	312
180970057	2013	6	27	15	V	0.1	0.9	6.77	321
180970057	2013	6	27	16	V	0.09	0.6	6.4	305
180970057	2013	6	27	17	V	0.07	0.4	7.43	289
180970057	2013	6	27	18	V	0.05	0.3	7.08	291
180970057	2013	6	27	19	V	0.08	0.2	6.5	286
180970057	2013	6	27	20	V	0.7	0.2	4.92	268
180970057	2013	6	27	21	V	0.8	0.2	4.19	244
180970057	2013	6	27	22	V	0.8	0.2	3.42	251
180970057	2013	6	27	23	V	0.8	0.2	4.53	257
180970057	2013	6	27	24	V	0.7	0.2	5.26	256
180970057	2013	6	28	1	V	0.7	0.2	6.23	265
180970057	2013	6	28	2	V	0.4	0.1	6.16	275
180970057	2013	6	28	3	V	0.5	0	5.79	274
180970057	2013	6	28	4	V	0.7	0	5.27	266
180970057	2013	6	28	5	V	0.2	0	5.44	273
180970057	2013	6	28	6	V	0.3	0	4.41	268
180970057	2013	6	28	7	V	0.2	0.1	4.82	275
180970057	2013	6	28	8	V	0.2	0.2	5.77	275
180970057	2013	6	28	9	V	0.2	0.3	5.7	273
180970057	2013	6	28	10	V	0.2	0.3	6.02	284
180970057	2013	6	28	11	V	0.1	0.2	6.97	288
180970057	2013	6	28	12	V	0.1	0.2	6.79	295
180970057	2013	6	28	13	V	0.1	0.1	7.69	293
180970057	2013	6	28	14	V	0.1	0.1	7.94	280
180970057	2013	6	28	15	V	0.1	0	6.69	306
180970057	2013	6	28	16	V	0.3	0	3.51	352
180970057	2013	6	28	17	V	0.1	0.2	5.77	294
180970057	2013	6	28	18	V	0.05	0.2	5.8	310
180970057	2013	6	28	19	V	0.3	0	5.44	279
180970057	2013	6	28	20	V	0.02	0	5.79	305
180970057	2013	6	28	21	V	0.02	0	5.41	343
180970057	2013	6	28	22	V	0.8	0	2.69	274
180970057	2013	6	28	23	V	0.7	0	3.49	239
180970057	2013	6	28	24	V	0.9	0	3.8	245
180970057	2013	6	29	1	V	0.8	0	3.2	259
180970057	2013	6	29	2	V	0.3	0	2.78	245
180970057	2013	6	29	3	V	0.2	0	3.91	240
180970057	2013	6	29	4	V	0.2	0	3.15	244
180970057	2013	6	29	5	V	0.3	0	3.2	249
180970057	2013	6	29	6	V	0.6	0	3.25	261
180970057	2013	6	29	7	V	0.4	0	3.23	270
180970057	2013	6	29	8	V	0.3	0	3.56	278
180970057	2013	6	29	9	V	0.4	0	3.22	284
180970057	2013	6	29	10	V	0.3	0	2.84	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	6	29	11	V	0.3	0.2	2.79	284
180970057	2013	6	29	12	V	0.2	0.1	2.88	4
180970057	2013	6	29	13	V	0.4	0.2	2.08	356
180970057	2013	6	29	14	V	0.3	0.2	2.44	359
180970057	2013	6	29	15	V	0.1	0	3.8	352
180970057	2013	6	29	16	V	6.5	0	1.99	57
180970057	2013	6	29	17	V	7.2	0.7	1.84	49
180970057	2013	6	29	18	V	0.3	0.8	3.68	26
180970057	2013	6	29	19	V	0.06	0.3	3.61	24
180970057	2013	6	29	20	V	0.3	0	3.76	32
180970057	2013	6	29	21	V	4.6	0.3	2.57	52
180970057	2013	6	29	22	V	0.3	0	2.71	34
180970057	2013	6	29	23	V	0.04	-999	2.84	24
180970057	2013	6	29	24	V	0.04	0	3.07	10
180970057	2013	6	30	1	V	0.04	0	2.54	1
180970057	2013	6	30	2	V	0.03	0	2.67	2
180970057	2013	6	30	3	V	0.09	0	1.98	356
180970057	2013	6	30	4	V	0.08	0	2.22	3
180970057	2013	6	30	5	V	0.2	0	3.49	14
180970057	2013	6	30	6	V	0.3	0	3.32	16
180970057	2013	6	30	7	V	0.8	0	3.58	24
180970057	2013	6	30	8	V	12.6	0	2.33	37
180970057	2013	6	30	9	V	16.7	0	2.55	45
180970057	2013	6	30	10	V	0.2	0	3.75	18
180970057	2013	6	30	11	V	0.1	0	5.21	19
180970057	2013	6	30	12	V	0.2	0	5.26	13
180970057	2013	6	30	13	V	0.2	0	5.26	9
180970057	2013	6	30	14	V	0.1	0	6.36	4
180970057	2013	6	30	15	V	0.1	0	6.11	20
180970057	2013	6	30	16	V	0.1	0	5.56	353
180970057	2013	6	30	17	V	15.4	3	6.06	44
180970057	2013	6	30	18	V	1.9	3.9	5.43	52
180970057	2013	6	30	19	V	1.6	3.2	4.32	39
180970057	2013	6	30	20	V	1.2	3.2	4.68	39
180970057	2013	6	30	21	V	0.04	0.4	5.92	23
180970057	2013	6	30	22	V	0.1	0.2	3.39	15
180970057	2013	6	30	23	V	0.08	0.1	4.09	17
180970057	2013	6	30	24	V	0.04	0.1	5.02	19
180970057	2013	7	1	1	V	0.2	0.5	4.49	33
180970057	2013	7	1	2	V	1.3	1.5	4.54	39
180970057	2013	7	1	3	V	0.05	0.7	5.05	29
180970057	2013	7	1	4	V	0.2	0.3	4.83	34
180970057	2013	7	1	5	V	1.1	0.2	6.53	31
180970057	2013	7	1	6	V	1.4	0.7	6.58	31
180970057	2013	7	1	7	V	8.8	1.9	5.62	40
180970057	2013	7	1	8	V	8.7	2.2	5.36	39

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	1	9	V	12.0	3.7	5.94	42
180970057	2013	7	1	10	V	6.6	5.5	5.6	37
180970057	2013	7	1	11	V	14.3	1.9	5.85	47
180970057	2013	7	1	12	V	13.1	2.4	6.09	46
180970057	2013	7	1	13	V	13.0	0.7	5.89	47
180970057	2013	7	1	14	V	11.4	2.7	4.88	43
180970057	2013	7	1	15	V	9.1	1.3	4.73	39
180970057	2013	7	1	16	V	2.1	1.9	4.03	28
180970057	2013	7	1	17	V	0.8	1.3	6.19	30
180970057	2013	7	1	18	V	0.1	0.1	6.72	31
180970057	2013	7	1	19	V	0.3	0.7	6.64	37
180970057	2013	7	1	20	V	0.1	0.8	5.79	33
180970057	2013	7	1	21	V	1.3	3.8	5.48	44
180970057	2013	7	1	22	V	0.7	3.2	6.43	53
180970057	2013	7	1	23	V	1.6	5.1	5.26	48
180970057	2013	7	1	24	V	1.2	2.7	5.82	49
180970057	2013	7	2	1	V	0.6	2.1	5.38	55
180970057	2013	7	2	2	V	0.05	0.3	5.87	31
180970057	2013	7	2	3	V	0.06	0.1	5.5	31
180970057	2013	7	2	4	V	1.0	0.5	4.54	38
180970057	2013	7	2	5	V	13.6	1.5	4.41	48
180970057	2013	7	2	6	V	9.3	1.5	4.17	40
180970057	2013	7	2	7	V	3.9	0.5	4.36	33
180970057	2013	7	2	8	V	9.9	0.9	3.93	40
180970057	2013	7	2	9	V	7.7	1.3	3.73	37
180970057	2013	7	2	10	V	6.2	1.3	3.18	60
180970057	2013	7	2	11	V	8.7	2	2.59	44
180970057	2013	7	2	12	V	6.6	2.2	2.42	35
180970057	2013	7	2	13	V	1.5	5.4	2.96	20
180970057	2013	7	2	14	V	0.7	2.2	3.42	3
180970057	2013	7	2	15	V	0.3	0.6	3.64	4
180970057	2013	7	2	16	V	0.7	0.6	3.1	7
180970057	2013	7	2	17	V	8.6	0.6	2.76	41
180970057	2013	7	2	18	V	4.4	0.2	4.03	38
180970057	2013	7	2	19	V	0.1	0.6	4	326
180970057	2013	7	2	20	V	0.08	0.3	3.59	352
180970057	2013	7	2	21	V	1.0	0	1.08	357
180970057	2013	7	2	22	V	0.8	0.1	1.37	314
180970057	2013	7	2	23	V	0.8	0	1.43	24
180970057	2013	7	2	24	V	0.3	0	1.69	96
180970057	2013	7	3	1	V	2.0	0.2	0.97	92
180970057	2013	7	3	2	C	-999	0.1	0	0
180970057	2013	7	3	3	V	1.3	0	1.06	124
180970057	2013	7	3	4	V	0.1	0	2.13	118
180970057	2013	7	3	5	V	1.4	0	1.35	120
180970057	2013	7	3	6	V	21.1	0	0.87	161

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	3	7	V	4.8	0	1.52	131
180970057	2013	7	3	8	V	38.7	0.2	4.17	185
180970057	2013	7	3	9	V	42.0	0.4	4.75	190
180970057	2013	7	3	10	V	34.6	11	5.77	196
180970057	2013	7	3	11	V	14.6	7.6	5.63	205
180970057	2013	7	3	12	V	9.6	10.2	5.65	206
180970057	2013	7	3	13	V	0.8	3.6	5.21	215
180970057	2013	7	3	14	V	16.2	2.1	6.16	198
180970057	2013	7	3	15	V	10.7	1.6	5.72	201
180970057	2013	7	3	16	V	15.1	5.3	5.99	198
180970057	2013	7	3	17	V	2.8	7.8	6.41	177
180970057	2013	7	3	18	V	6.0	7.6	5.94	182
180970057	2013	7	3	19	V	11.4	2.1	4.82	186
180970057	2013	7	3	20	V	23.7	0.9	3.59	198
180970057	2013	7	3	21	V	0.09	0.7	2.83	213
180970057	2013	7	3	22	V	0.7	0.9	1.45	228
180970057	2013	7	3	23	V	2.0	0.3	1.3	244
180970057	2013	7	3	24	V	0.7	0.2	1.64	231
180970057	2013	7	4	1	V	0.5	0.1	1.3	239
180970057	2013	7	4	2	V	0.4	0.1	1.2	233
180970057	2013	7	4	3	V	3.1	0	0.55	312
180970057	2013	7	4	4	C	-999	0	0	0
180970057	2013	7	4	5	V	1.7	0	0.96	321
180970057	2013	7	4	6	V	1.3	0.3	1.47	330
180970057	2013	7	4	7	V	2.2	0.3	1.38	88
180970057	2013	7	4	8	V	2.4	0.4	1.37	60
180970057	2013	7	4	9	V	2.2	0.5	1.67	56
180970057	2013	7	4	10	V	5.2	1	2.13	58
180970057	2013	7	4	11	V	1.6	2.9	1.81	55
180970057	2013	7	4	12	V	0.4	2.2	2.01	109
180970057	2013	7	4	13	V	0.4	1	2.15	116
180970057	2013	7	4	14	V	0.4	0.8	1.94	116
180970057	2013	7	4	15	V	0.2	0.6	2.5	134
180970057	2013	7	4	16	V	0.1	0.6	3.24	125
180970057	2013	7	4	17	V	0.08	0.2	2.93	142
180970057	2013	7	4	18	V	0.1	0.1	1.98	161
180970057	2013	7	4	19	V	0.02	0	2.61	162
180970057	2013	7	4	20	V	0.02	0	2.93	160
180970057	2013	7	4	21	V	0.02	0	2.84	143
180970057	2013	7	4	22	V	0.3	0	0.86	146
180970057	2013	7	4	23	V	0.02	0.1	2.25	148
180970057	2013	7	4	24	V	0.02	0.1	2.83	152
180970057	2013	7	5	1	V	0.02	0	2.84	150
180970057	2013	7	5	2	V	0.02	0	2.21	159
180970057	2013	7	5	3	V	0.3	0	1.77	176
180970057	2013	7	5	4	V	0.8	0	1.06	246

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	5	5	V	0.7	0	1.35	112
180970057	2013	7	5	6	V	0.3	0	2.06	148
180970057	2013	7	5	7	V	0.6	0	1.84	133
180970057	2013	7	5	8	V	6.1	0.1	0.72	132
180970057	2013	7	5	9	V	2.3	0.2	1.4	189
180970057	2013	7	5	10	V	0.4	0.4	2.44	143
180970057	2013	7	5	11	V	0.9	0.3	1.89	141
180970057	2013	7	5	12	V	0.4	0.2	2.71	140
180970057	2013	7	5	13	V	0.5	0.3	2.45	141
180970057	2013	7	5	14	V	0.6	0.2	3.66	167
180970057	2013	7	5	15	V	0.2	0.1	4.14	154
180970057	2013	7	5	16	V	0.2	0.5	4.32	160
180970057	2013	7	5	17	V	0.3	1.1	4.14	166
180970057	2013	7	5	18	V	1.6	0.2	3.66	181
180970057	2013	7	5	19	V	0.8	0	3.95	180
180970057	2013	7	5	20	V	0.01	0	4.12	160
180970057	2013	7	5	21	V	0.01	0	3.35	165
180970057	2013	7	5	22	V	0.02	0	3.47	153
180970057	2013	7	5	23	V	0.01	0	3.44	154
180970057	2013	7	5	24	V	0.01	0	2.76	150
180970057	2013	7	6	1	V	0.02	0	2.78	148
180970057	2013	7	6	2	V	0.02	0	2.91	153
180970057	2013	7	6	3	V	0.02	0	2.64	149
180970057	2013	7	6	4	V	0.02	0	2.4	152
180970057	2013	7	6	5	V	0.06	0	3.57	151
180970057	2013	7	6	6	V	0.09	0	3.47	151
180970057	2013	7	6	7	V	0.2	0	3.2	164
180970057	2013	7	6	8	V	1.8	0	3.17	175
180970057	2013	7	6	9	V	0.9	0	3.73	175
180970057	2013	7	6	10	V	0.3	0	3.1	260
180970057	2013	7	6	11	V	0.5	0	2.33	255
180970057	2013	7	6	12	V	0.4	0	2.91	255
180970057	2013	7	6	13	V	0.3	0	4.09	250
180970057	2013	7	6	14	V	0.4	0	2.89	246
180970057	2013	7	6	15	V	0.3	0	5.22	235
180970057	2013	7	6	16	V	0.2	0	6.96	250
180970057	2013	7	6	17	V	0.2	0	5.53	238
180970057	2013	7	6	18	V	0.8	0	3.73	240
180970057	2013	7	6	19	V	0.06	0	3.47	218
180970057	2013	7	6	20	V	0.8	0.1	3.4	181
180970057	2013	7	6	21	V	0.01	0.1	2.86	149
180970057	2013	7	6	22	V	0.02	0	2.42	160
180970057	2013	7	6	23	V	0.02	-999	2.4	161
180970057	2013	7	6	24	V	0.02	0	2.52	170
180970057	2013	7	7	1	V	4.9	0	1.59	182
180970057	2013	7	7	2	V	0.06	0	1.84	114

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	7	3	V	0.09	0	1.82	111
180970057	2013	7	7	4	V	0.07	0.3	2.1	106
180970057	2013	7	7	5	V	0.2	0	2.23	122
180970057	2013	7	7	6	V	0.7	0	2.04	140
180970057	2013	7	7	7	V	3.3	0	2.56	168
180970057	2013	7	7	8	V	32.0	0.6	2.72	190
180970057	2013	7	7	9	V	7.0	0.4	3.74	208
180970057	2013	7	7	10	V	3.4	0.4	3.93	212
180970057	2013	7	7	11	V	1.5	1.3	3.27	223
180970057	2013	7	7	12	V	1.8	1.1	2.91	225
180970057	2013	7	7	13	V	3.4	2.1	2.49	216
180970057	2013	7	7	14	V	3.0	3.9	2.61	213
180970057	2013	7	7	15	V	1.2	1.4	3.95	224
180970057	2013	7	7	16	V	1.5	0.9	4.49	217
180970057	2013	7	7	17	V	0.3	0.4	4.68	223
180970057	2013	7	7	18	V	0.2	0.2	4.71	235
180970057	2013	7	7	19	V	0.1	0.1	4.83	212
180970057	2013	7	7	20	V	0.9	0.1	3.57	207
180970057	2013	7	7	21	V	2.1	0	3.29	205
180970057	2013	7	7	22	V	69.9	0.1	2.71	193
180970057	2013	7	7	23	V	65.9	0.5	2.95	192
180970057	2013	7	7	24	V	52.4	2.9	2.76	196
180970057	2013	7	8	1	V	0.5	1	3.13	208
180970057	2013	7	8	2	V	0.2	0.5	3.24	211
180970057	2013	7	8	3	V	0.8	0.6	3.12	207
180970057	2013	7	8	4	V	0.07	0.4	2.98	217
180970057	2013	7	8	5	V	1.5	0.2	2.93	219
180970057	2013	7	8	6	V	8.5	0.4	2.73	217
180970057	2013	7	8	7	V	30.2	1	2.5	206
180970057	2013	7	8	8	V	7.8	1.6	3.58	213
180970057	2013	7	8	9	V	0.4	1.4	5.07	234
180970057	2013	7	8	10	V	0.4	0.9	5.17	234
180970057	2013	7	8	11	V	0.4	0.9	6.02	240
180970057	2013	7	8	12	V	0.4	0.8	5.9	236
180970057	2013	7	8	13	V	0.2	0.6	5.82	224
180970057	2013	7	8	14	V	0.2	0.6	5.39	224
180970057	2013	7	8	15	V	0.5	0.4	4.99	219
180970057	2013	7	8	16	V	2.3	0.4	6.63	212
180970057	2013	7	8	17	V	1.8	0.8	6.62	212
180970057	2013	7	8	18	V	0.08	0.6	7.01	217
180970057	2013	7	8	19	V	0.06	0.3	6.12	219
180970057	2013	7	8	20	V	0.2	0.5	4.83	212
180970057	2013	7	8	21	V	0.2	1	4.12	222
180970057	2013	7	8	22	V	0.2	1	3.88	223
180970057	2013	7	8	23	V	0.2	0.6	4	214
180970057	2013	7	8	24	V	0.1	0.4	4.1	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	9	1	V	0.08	0.4	4.1	218
180970057	2013	7	9	2	V	0.07	0.4	5	229
180970057	2013	7	9	3	V	0.1	0.4	5.16	233
180970057	2013	7	9	4	V	0.2	0.4	4.17	237
180970057	2013	7	9	5	V	0.1	0.5	4.39	228
180970057	2013	7	9	6	V	0.1	0.5	4.73	228
180970057	2013	7	9	7	V	0.2	0.7	4.97	227
180970057	2013	7	9	8	V	0.2	0.6	5.38	232
180970057	2013	7	9	9	V	0.3	0.6	5.51	235
180970057	2013	7	9	10	V	0.4	0.5	4.09	241
180970057	2013	7	9	11	V	0.5	0.6	4.24	235
180970057	2013	7	9	12	V	0.3	0.7	5.21	235
180970057	2013	7	9	13	V	0.3	0.7	5.51	230
180970057	2013	7	9	14	V	0.4	0.9	5.8	226
180970057	2013	7	9	15	V	0.3	0.9	6.14	235
180970057	2013	7	9	16	V	0.3	0.7	6.46	231
180970057	2013	7	9	17	V	0.2	0.6	6.53	231
180970057	2013	7	9	18	V	0.2	0.4	5.51	213
180970057	2013	7	9	19	V	9.4	1	6.07	201
180970057	2013	7	9	20	V	1.9	4.4	3.51	208
180970057	2013	7	9	21	V	68.3	3.5	2.78	189
180970057	2013	7	9	22	V	68.5	4	3.73	190
180970057	2013	7	9	23	V	55.8	7.4	3.35	188
180970057	2013	7	9	24	V	63.9	3.6	3.49	196
180970057	2013	7	10	1	V	16.8	3.2	3.37	202
180970057	2013	7	10	2	V	0.1	1.5	3.27	213
180970057	2013	7	10	3	V	0.1	0.9	2.91	213
180970057	2013	7	10	4	V	0.2	1.6	4.08	212
180970057	2013	7	10	5	V	2.7	2.5	3.85	212
180970057	2013	7	10	6	V	3.4	3	3.61	216
180970057	2013	7	10	7	V	17.9	2.7	3.73	207
180970057	2013	7	10	8	V	2.6	6.4	4.61	215
180970057	2013	7	10	9	V	0.8	5.2	5.29	221
180970057	2013	7	10	10	V	4.5	3.8	4.87	214
180970057	2013	7	10	11	V	8.3	2.7	4.88	208
180970057	2013	7	10	12	V	0.2	2.4	8.4	253
180970057	2013	7	10	13	V	0.1	1.1	9.47	272
180970057	2013	7	10	14	V	0.2	0.3	5.1	283
180970057	2013	7	10	15	V	2.7	0.4	3.1	20
180970057	2013	7	10	16	V	0.6	0.6	3.17	354
180970057	2013	7	10	17	V	0.3	0.7	4.2	232
180970057	2013	7	10	18	V	21.6	8.8	3.78	185
180970057	2013	7	10	19	V	0.2	3.4	3.35	222
180970057	2013	7	10	20	V	0.2	3.4	3.92	224
180970057	2013	7	10	21	V	0.4	2.4	3	229
180970057	2013	7	10	22	V	0.09	2.8	4.14	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	10	23	V	0.03	1.5	6.21	16
180970057	2013	7	10	24	V	0.03	0.6	5.96	15
180970057	2013	7	11	1	V	0.04	0.4	4.73	14
180970057	2013	7	11	2	V	0.05	0.3	3.93	9
180970057	2013	7	11	3	V	0.03	0.2	4.42	360
180970057	2013	7	11	4	V	0.05	0.1	4.03	8
180970057	2013	7	11	5	V	0.2	0.2	3.69	8
180970057	2013	7	11	6	V	0.5	0.2	3.73	12
180970057	2013	7	11	7	V	2.4	0.3	3.8	23
180970057	2013	7	11	8	V	1.7	0.5	4.36	20
180970057	2013	7	11	9	V	2.9	0.5	5.73	28
180970057	2013	7	11	10	V	5.3	1.6	6.23	35
180970057	2013	7	11	11	V	2.1	0.6	7.72	28
180970057	2013	7	11	12	V	3.1	1	7.79	31
180970057	2013	7	11	13	V	2.1	0.7	6.87	27
180970057	2013	7	11	14	V	0.4	0.4	6.77	18
180970057	2013	7	11	15	V	0.5	0.2	6.55	20
180970057	2013	7	11	16	V	2.0	0.3	5.94	27
180970057	2013	7	11	17	V	0.2	1.3	5.73	15
180970057	2013	7	11	18	V	0.09	0.2	5.68	24
180970057	2013	7	11	19	V	0.02	0.1	5.53	16
180970057	2013	7	11	20	V	0.03	0.1	5.09	25
180970057	2013	7	11	21	V	0.05	0.1	2.93	15
180970057	2013	7	11	22	V	0.05	0.1	2.96	360
180970057	2013	7	11	23	V	0.05	0.1	3.32	349
180970057	2013	7	11	24	V	0.04	0.1	3.39	4
180970057	2013	7	12	1	V	0.07	0.1	2.54	12
180970057	2013	7	12	2	V	0.2	0	1.87	341
180970057	2013	7	12	3	V	0.1	0	1.94	344
180970057	2013	7	12	4	V	0.1	0	2.13	351
180970057	2013	7	12	5	V	0.9	0	1.94	348
180970057	2013	7	12	6	V	2.7	0.1	1.81	357
180970057	2013	7	12	7	V	1.7	0.1	2.57	13
180970057	2013	7	12	8	V	4.4	1.9	3.18	30
180970057	2013	7	12	9	V	4.9	5.9	1.94	28
180970057	2013	7	12	10	V	4.3	7.9	3.22	31
180970057	2013	7	12	11	V	6.3	3.8	5.16	55
180970057	2013	7	12	12	V	6.1	2	4.31	49
180970057	2013	7	12	13	V	5.7	1.6	4.07	52
180970057	2013	7	12	14	V	5.9	1.8	4.1	41
180970057	2013	7	12	15	V	4.5	2.1	4.46	31
180970057	2013	7	12	16	V	0.4	1.8	5.31	13
180970057	2013	7	12	17	V	0.9	4	4.99	23
180970057	2013	7	12	18	V	0.2	0.9	5.77	29
180970057	2013	7	12	19	V	0.05	1.2	5.87	34
180970057	2013	7	12	20	V	1.1	1.4	5.39	45

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	12	21	V	0.2	2.9	4.07	35
180970057	2013	7	12	22	V	0.3	6.2	3.15	38
180970057	2013	7	12	23	V	0.07	6.9	2.88	29
180970057	2013	7	12	24	V	0.05	2.7	3.2	30
180970057	2013	7	13	1	V	0.06	2.3	3.66	33
180970057	2013	7	13	2	V	0.05	1.7	3.37	33
180970057	2013	7	13	3	V	1.4	1	2.88	41
180970057	2013	7	13	4	V	0.04	0.6	2.95	27
180970057	2013	7	13	5	V	2.5	0.6	3.69	31
180970057	2013	7	13	6	V	5.1	0.6	4.15	34
180970057	2013	7	13	7	V	6.5	0.9	3.91	35
180970057	2013	7	13	8	V	7.0	2.2	3.18	46
180970057	2013	7	13	9	V	2.6	3	3.44	72
180970057	2013	7	13	10	V	0.4	1.7	4.61	89
180970057	2013	7	13	11	V	0.7	1.4	5.26	76
180970057	2013	7	13	12	V	0.5	1	4.42	88
180970057	2013	7	13	13	V	0.3	1.3	5.43	86
180970057	2013	7	13	14	V	0.3	1.5	5.77	93
180970057	2013	7	13	15	V	0.4	1	5.31	79
180970057	2013	7	13	16	V	0.2	0.5	5.56	89
180970057	2013	7	13	17	V	0.2	0.4	5.87	93
180970057	2013	7	13	18	V	0.06	0.3	5.46	99
180970057	2013	7	13	19	V	0.06	0.4	4.56	121
180970057	2013	7	13	20	V	0.03	0.3	6.11	93
180970057	2013	7	13	21	V	0.04	0.3	4.9	94
180970057	2013	7	13	22	V	0.07	0.3	3.95	88
180970057	2013	7	13	23	V	0.06	-999	4.31	90
180970057	2013	7	13	24	V	0.04	0.4	4.6	98
180970057	2013	7	14	1	V	0.05	1.5	4.37	109
180970057	2013	7	14	2	V	0.04	1.3	3.54	99
180970057	2013	7	14	3	V	0.04	0.7	3.76	77
180970057	2013	7	14	4	V	0.04	0.5	4.29	71
180970057	2013	7	14	5	V	0.2	0.3	3.47	85
180970057	2013	7	14	6	V	1.2	0.2	2.56	87
180970057	2013	7	14	7	V	0.7	2.2	3.07	108
180970057	2013	7	14	8	V	0.6	5.3	3.37	109
180970057	2013	7	14	9	V	0.5	4.2	4.29	125
180970057	2013	7	14	10	V	0.7	3	3.71	132
180970057	2013	7	14	11	V	2.3	2.3	2.35	139
180970057	2013	7	14	12	V	1.0	1.5	3.25	122
180970057	2013	7	14	13	V	0.6	1.3	3.83	117
180970057	2013	7	14	14	V	0.5	1.5	4.1	124
180970057	2013	7	14	15	V	0.5	0.9	3.98	133
180970057	2013	7	14	16	V	0.4	1.1	4.32	132
180970057	2013	7	14	17	V	0.3	0.4	4.46	137
180970057	2013	7	14	18	V	0.1	0.5	4.53	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	14	19	V	0.09	1.1	2.91	150
180970057	2013	7	14	20	V	0.07	0.9	2.88	115
180970057	2013	7	14	21	V	0.1	0.7	2.54	101
180970057	2013	7	14	22	V	0.1	0.9	2.18	95
180970057	2013	7	14	23	V	0.09	0.9	2.61	93
180970057	2013	7	14	24	V	0.07	0.8	4.97	123
180970057	2013	7	15	1	V	0.07	0.8	2.95	162
180970057	2013	7	15	2	V	0.05	0.6	3.01	140
180970057	2013	7	15	3	V	0.05	0.7	3.12	126
180970057	2013	7	15	4	V	0.05	0.9	2.84	120
180970057	2013	7	15	5	V	0.3	0.6	3.25	114
180970057	2013	7	15	6	V	0.8	0.4	3.3	119
180970057	2013	7	15	7	V	0.5	0.6	3.86	132
180970057	2013	7	15	8	V	0.8	1	3.73	153
180970057	2013	7	15	9	V	12.8	10.6	4.34	179
180970057	2013	7	15	10	V	20.2	44.8	5.75	188
180970057	2013	7	15	11	V	17.2	28.9	4.46	187
180970057	2013	7	15	12	V	15.1	19.1	3.75	195
180970057	2013	7	15	13	V	17.1	10.7	3.75	192
180970057	2013	7	15	14	V	11.0	5.5	3.56	179
180970057	2013	7	15	15	V	12.4	4.7	4.02	179
180970057	2013	7	15	16	V	18.7	2.7	4.17	185
180970057	2013	7	15	17	V	1.6	2	3.85	163
180970057	2013	7	15	18	V	4.7	0.9	3.51	176
180970057	2013	7	15	19	V	54.0	0.7	3.12	188
180970057	2013	7	15	20	V	20.5	0.5	2.76	185
180970057	2013	7	15	21	V	42.6	0.4	2.11	185
180970057	2013	7	15	22	V	0.2	0.4	2.1	169
180970057	2013	7	15	23	V	0.3	0.3	1.82	155
180970057	2013	7	15	24	V	62.7	0.4	1.31	203
180970057	2013	7	16	1	V	65.5	0.3	0.94	206
180970057	2013	7	16	2	V	2.3	0.4	0.99	100
180970057	2013	7	16	3	V	1.3	0.3	1.11	100
180970057	2013	7	16	4	V	2.4	0.3	1.09	70
180970057	2013	7	16	5	V	14.5	0.2	0.69	147
180970057	2013	7	16	6	C	-999	0.5	0	0
180970057	2013	7	16	7	V	17.7	0.7	0.79	6
180970057	2013	7	16	8	V	7.1	0.9	1.54	71
180970057	2013	7	16	9	V	6.2	1.1	1.47	130
180970057	2013	7	16	10	V	5.8	32.1	1.28	207
180970057	2013	7	16	11	V	5.1	48.3	1.31	210
180970057	2013	7	16	12	V	2.4	15.5	2.15	268
180970057	2013	7	16	13	V	1.7	12.7	2.39	303
180970057	2013	7	16	14	V	2.7	7.6	1.93	278
180970057	2013	7	16	15	V	1.0	3.5	3.01	288
180970057	2013	7	16	16	V	0.7	2.3	3.29	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	16	17	V	0.8	2.1	3.27	11
180970057	2013	7	16	18	V	0.2	1.2	3.32	11
180970057	2013	7	16	19	V	0.09	0.8	2.71	24
180970057	2013	7	16	20	V	0.08	0.6	2.81	23
180970057	2013	7	16	21	V	0.6	0.4	2.67	38
180970057	2013	7	16	22	V	0.1	0.4	2.44	17
180970057	2013	7	16	23	V	0.2	0.2	1.89	24
180970057	2013	7	16	24	V	1.4	0.3	1.16	347
180970057	2013	7	17	1	V	3.1	0.2	0.94	298
180970057	2013	7	17	2	V	0.7	0.2	1.33	287
180970057	2013	7	17	3	V	0.2	0.2	1.91	292
180970057	2013	7	17	4	V	0.1	0.1	2.4	321
180970057	2013	7	17	5	V	1.7	0.2	1.62	342
180970057	2013	7	17	6	V	11.0	0.2	1.2	334
180970057	2013	7	17	7	V	4.7	0.3	1.54	340
180970057	2013	7	17	8	V	1.6	0.5	2.39	347
180970057	2013	7	17	9	V	0.9	0.8	3.23	352
180970057	2013	7	17	10	V	0.9	1.4	3.34	346
180970057	2013	7	17	11	V	1.1	2.1	3.32	1
180970057	2013	7	17	12	V	1.0	1.5	3.25	335
180970057	2013	7	17	13	V	1.4	0.7	2.69	339
180970057	2013	7	17	14	V	1.6	0.4	2.55	327
180970057	2013	7	17	15	V	0.9	0.3	3.27	314
180970057	2013	7	17	16	V	0.9	0.3	3.12	322
180970057	2013	7	17	17	V	0.5	0.3	3.54	314
180970057	2013	7	17	18	V	0.1	0.2	4.09	301
180970057	2013	7	17	19	V	0.07	0.2	3.93	309
180970057	2013	7	17	20	V	0.07	0.3	2.95	313
180970057	2013	7	17	21	V	0.3	0.2	1.91	316
180970057	2013	7	17	22	V	0.5	0.2	1.65	312
180970057	2013	7	17	23	V	2.7	0.3	1.01	304
180970057	2013	7	17	24	V	0.8	0.4	1.43	283
180970057	2013	7	18	1	V	1.7	0.1	1.11	288
180970057	2013	7	18	2	V	10.4	0	0.62	288
180970057	2013	7	18	3	V	5.7	0	0.8	325
180970057	2013	7	18	4	V	0.2	0.1	1.91	306
180970057	2013	7	18	5	V	2.0	0.3	1.52	310
180970057	2013	7	18	6	V	4.9	0.1	1.7	309
180970057	2013	7	18	7	V	12.9	0.2	1.01	310
180970057	2013	7	18	8	V	6.5	0.5	1.48	306
180970057	2013	7	18	9	V	4.7	0.5	1.64	303
180970057	2013	7	18	10	V	4.6	0.4	1.43	292
180970057	2013	7	18	11	V	3.7	0.4	1.76	231
180970057	2013	7	18	12	V	5.9	7.1	2.52	217
180970057	2013	7	18	13	V	9.1	11.9	3.3	205
180970057	2013	7	18	14	V	9.4	4.4	3.88	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	18	15	V	2.4	1	3.9	226
180970057	2013	7	18	16	V	1.3	1.3	3.12	237
180970057	2013	7	18	17	V	8.5	0.4	3.8	212
180970057	2013	7	18	18	V	0.2	0.3	3.35	230
180970057	2013	7	18	19	V	0.4	0.2	3.49	232
180970057	2013	7	18	20	V	0.4	0.1	3.85	231
180970057	2013	7	18	21	V	0.2	0.1	2.98	224
180970057	2013	7	18	22	V	0.1	0	3.12	211
180970057	2013	7	18	23	V	0.08	0.1	2.81	216
180970057	2013	7	18	24	V	0.2	0.5	2.71	224
180970057	2013	7	19	1	V	0.08	0.5	2.83	223
180970057	2013	7	19	2	V	0.06	1.3	3.07	215
180970057	2013	7	19	3	V	0.2	1.3	2.61	237
180970057	2013	7	19	4	V	0.07	1.2	3.88	216
180970057	2013	7	19	5	V	1.5	1.9	4.15	211
180970057	2013	7	19	6	V	4.8	3.8	3.54	216
180970057	2013	7	19	7	V	7.9	4.5	3.42	214
180970057	2013	7	19	8	V	0.5	5.2	4.19	232
180970057	2013	7	19	9	V	0.5	2.1	4.87	240
180970057	2013	7	19	10	V	0.4	1	5.94	240
180970057	2013	7	19	11	V	0.4	0.7	6.62	239
180970057	2013	7	19	12	V	0.4	0.6	7.28	249
180970057	2013	7	19	13	V	0.4	2.6	6.7	239
180970057	2013	7	19	14	V	0.3	3.1	7.25	233
180970057	2013	7	19	15	V	0.3	1.9	7.38	235
180970057	2013	7	19	16	V	0.3	1.5	7.45	233
180970057	2013	7	19	17	V	0.2	1.2	7.4	223
180970057	2013	7	19	18	V	0.09	1	7.11	225
180970057	2013	7	19	19	V	0.06	1	6.47	215
180970057	2013	7	19	20	V	0.09	0.8	5.29	214
180970057	2013	7	19	21	V	0.4	0.9	4.51	209
180970057	2013	7	19	22	V	0.5	1	4.65	208
180970057	2013	7	19	23	V	0.1	3.5	5.24	213
180970057	2013	7	19	24	V	0.07	2.7	5.12	220
180970057	2013	7	20	1	V	0.04	1.5	6.41	227
180970057	2013	7	20	2	V	0.03	1.2	5.39	220
180970057	2013	7	20	3	V	0.04	1	5.53	227
180970057	2013	7	20	4	V	0.08	0.9	5.85	232
180970057	2013	7	20	5	V	0.1	0.8	6.01	232
180970057	2013	7	20	6	V	0.2	0.7	5.67	237
180970057	2013	7	20	7	V	0.2	0.6	5.51	231
180970057	2013	7	20	8	V	0.2	1.2	6.26	231
180970057	2013	7	20	9	V	0.3	1.3	6.53	250
180970057	2013	7	20	10	V	0.4	0.9	3.54	265
180970057	2013	7	20	11	V	0.6	1.1	3.08	251
180970057	2013	7	20	12	V	0.2	0.9	6.26	233

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	20	13	V	0.1	0.5	5.11	194
180970057	2013	7	20	14	V	0.2	0.5	3.52	191
180970057	2013	7	20	15	V	0.1	0.6	4.03	223
180970057	2013	7	20	16	V	0.3	1.2	3.57	249
180970057	2013	7	20	17	V	0.07	1	3.59	227
180970057	2013	7	20	18	V	0.6	0.6	2.88	205
180970057	2013	7	20	19	V	0.2	0.5	2.33	224
180970057	2013	7	20	20	V	0.9	0.5	2.62	249
180970057	2013	7	20	21	V	0.9	0.4	3.29	248
180970057	2013	7	20	22	V	0.6	0.4	3.18	276
180970057	2013	7	20	23	V	0.7	-999	2.83	269
180970057	2013	7	20	24	V	0.02	0.4	2.05	298
180970057	2013	7	21	1	V	0.01	0.4	3.07	308
180970057	2013	7	21	2	V	0.03	0.6	2.23	216
180970057	2013	7	21	3	V	4.3	0.6	1.62	198
180970057	2013	7	21	4	V	2.4	0.5	0.69	251
180970057	2013	7	21	5	V	1.0	0.9	1.74	209
180970057	2013	7	21	6	V	0.4	1	2.18	218
180970057	2013	7	21	7	V	0.4	1.1	2.44	242
180970057	2013	7	21	8	V	0.5	1.6	2.78	251
180970057	2013	7	21	9	V	1.2	3.1	2.07	241
180970057	2013	7	21	10	C	-999	5.5	0	0
180970057	2013	7	21	11	V	4.4	34.3	2.86	181
180970057	2013	7	21	12	C	-999	62.2	0	0
180970057	2013	7	21	13	V	6.5	60.9	1.76	198
180970057	2013	7	21	14	V	8.4	62.8	2.86	205
180970057	2013	7	21	15	C	-999	27.5	0	0
180970057	2013	7	21	16	M	-999	8.5	2.36	999
180970057	2013	7	21	17	V	19.0	6	2.56	188
180970057	2013	7	21	18	V	5.4	4.8	2.37	199
180970057	2013	7	21	19	V	0.1	5.6	2.66	216
180970057	2013	7	21	20	V	92.2	3.2	2.13	193
180970057	2013	7	21	21	V	111.6	2.5	1.47	192
180970057	2013	7	21	22	V	1.0	1.9	1.16	135
180970057	2013	7	21	23	V	0.5	1.7	1.38	109
180970057	2013	7	21	24	V	0.08	1.5	2.86	95
180970057	2013	7	22	1	V	0.04	1.5	5.21	149
180970057	2013	7	22	2	V	0.1	1	3.8	231
180970057	2013	7	22	3	V	74.1	1	1.26	191
180970057	2013	7	22	4	V	1.0	1.1	0.99	155
180970057	2013	7	22	5	V	1.1	1.2	1.33	333
180970057	2013	7	22	6	V	13.8	1.1	1.84	46
180970057	2013	7	22	7	V	0.8	1.3	2.74	110
180970057	2013	7	22	8	V	1.8	1	2.49	80
180970057	2013	7	22	9	V	0.6	1	2.78	106
180970057	2013	7	22	10	V	0.9	0.9	2.18	145

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	22	11	V	0.5	0.9	2.81	112
180970057	2013	7	22	12	V	4.5	1.4	1.6	87
180970057	2013	7	22	13	V	2.0	4.6	1.98	349
180970057	2013	7	22	14	V	1.2	4.8	2.55	325
180970057	2013	7	22	15	V	0.6	2.7	3.2	321
180970057	2013	7	22	16	V	0.6	2.6	3.01	305
180970057	2013	7	22	17	V	0.2	1.4	4.46	329
180970057	2013	7	22	18	V	0.07	1.2	4.27	325
180970057	2013	7	22	19	V	0.08	1.2	4.12	329
180970057	2013	7	22	20	V	0.06	1	3.34	309
180970057	2013	7	22	21	V	0.1	0.9	2.5	287
180970057	2013	7	22	22	V	0.1	0.8	2.76	282
180970057	2013	7	22	23	V	0.9	0.8	1.94	256
180970057	2013	7	22	24	V	0.2	0.8	2.3	222
180970057	2013	7	23	1	V	0.2	1.1	2.42	238
180970057	2013	7	23	2	V	0.1	0.8	2.52	232
180970057	2013	7	23	3	V	0.07	0.9	2.59	219
180970057	2013	7	23	4	V	0.05	0.9	3.07	223
180970057	2013	7	23	5	V	14.3	1.5	3.63	204
180970057	2013	7	23	6	V	0.5	3.3	3.81	221
180970057	2013	7	23	7	V	8.2	4	3.85	212
180970057	2013	7	23	8	V	0.6	5.5	3.81	234
180970057	2013	7	23	9	V	0.5	3.7	4.56	245
180970057	2013	7	23	10	V	0.4	2.9	5.24	258
180970057	2013	7	23	11	V	0.3	2.6	6.43	266
180970057	2013	7	23	12	V	0.3	2.2	7.48	263
180970057	2013	7	23	13	V	0.3	1.8	6.86	273
180970057	2013	7	23	14	V	0.2	1.6	7.21	282
180970057	2013	7	23	15	V	0.2	1.5	6.58	298
180970057	2013	7	23	16	V	0.2	1.2	7.04	298
180970057	2013	7	23	17	V	0.1	1.1	6.67	305
180970057	2013	7	23	18	V	0.06	1	7.72	311
180970057	2013	7	23	19	V	0.03	0.9	6.62	334
180970057	2013	7	23	20	V	0.03	0.8	7.42	356
180970057	2013	7	23	21	V	0.03	0.8	7.37	358
180970057	2013	7	23	22	V	0.02	0.7	5.68	2
180970057	2013	7	23	23	V	0.03	0.7	5.17	354
180970057	2013	7	23	24	V	0.03	0.9	5.6	347
180970057	2013	7	24	1	V	0.01	0.8	6.53	351
180970057	2013	7	24	2	V	0.01	0.7	5.05	358
180970057	2013	7	24	3	V	0.02	0.7	2.96	360
180970057	2013	7	24	4	V	0.02	0.7	3	358
180970057	2013	7	24	5	V	0.08	0.7	4.66	8
180970057	2013	7	24	6	V	0.2	0.7	5.1	18
180970057	2013	7	24	7	V	1.1	0.8	5.19	27
180970057	2013	7	24	8	V	1.1	0.9	6.33	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	24	9	V	5.3	1.7	6.07	35
180970057	2013	7	24	10	V	6.3	-999	4.31	39
180970057	2013	7	24	11	V	3.0	1	3.93	26
180970057	2013	7	24	12	V	1.5	4.6	4.65	21
180970057	2013	7	24	13	V	6.1	3	4.53	39
180970057	2013	7	24	14	V	4.2	5.4	4.42	31
180970057	2013	7	24	15	V	1.2	0.5	4.07	18
180970057	2013	7	24	16	V	1.5	2.8	4	21
180970057	2013	7	24	17	V	0.4	1.6	4.22	18
180970057	2013	7	24	18	V	0.07	6.8	4.17	14
180970057	2013	7	24	19	V	0.02	0.4	4.63	25
180970057	2013	7	24	20	V	0.02	0.2	5.09	20
180970057	2013	7	24	21	V	0.03	0.8	4.54	29
180970057	2013	7	24	22	V	0.09	4.1	3.83	34
180970057	2013	7	24	23	V	0.07	18.1	3.42	35
180970057	2013	7	24	24	V	0.04	2.9	2.76	32
180970057	2013	7	25	1	V	6.5	0.8	2.5	43
180970057	2013	7	25	2	V	1.4	0.6	2.47	38
180970057	2013	7	25	3	V	0.03	0.4	2.66	68
180970057	2013	7	25	4	V	0.1	0.3	2.39	61
180970057	2013	7	25	5	V	0.1	0.2	1.91	15
180970057	2013	7	25	6	V	1.9	1	2.15	17
180970057	2013	7	25	7	V	9.5	2.1	2.42	38
180970057	2013	7	25	8	V	3.7	1.2	1.76	39
180970057	2013	7	25	9	V	3.5	6.5	2.23	38
180970057	2013	7	25	10	V	4.7	3.6	3.75	37
180970057	2013	7	25	11	V	5.9	2.2	4.39	48
180970057	2013	7	25	12	V	5.0	4.6	4	41
180970057	2013	7	25	13	V	3.1	0.8	3.47	26
180970057	2013	7	25	14	V	1.2	4	3.1	7
180970057	2013	7	25	15	V	4.5	0.8	3.12	37
180970057	2013	7	25	16	V	2.3	1.5	3.13	19
180970057	2013	7	25	17	V	6.2	1.8	2.76	36
180970057	2013	7	25	18	V	0.2	3.1	2.67	12
180970057	2013	7	25	19	V	0.04	2	3.93	346
180970057	2013	7	25	20	V	0.04	1.8	3.34	3
180970057	2013	7	25	21	V	0.06	1	2.49	355
180970057	2013	7	25	22	V	7.7	0.8	2.49	50
180970057	2013	7	25	23	V	0.2	0.3	1.6	4
180970057	2013	7	25	24	V	4.5	0.4	1.38	33
180970057	2013	7	26	1	V	7.2	0.5	2.15	41
180970057	2013	7	26	2	V	0.03	0.3	2.05	76
180970057	2013	7	26	3	V	0.1	0.2	1.45	73
180970057	2013	7	26	4	V	0.03	1.7	2.08	97
180970057	2013	7	26	5	V	0.1	2.5	2.3	111
180970057	2013	7	26	6	V	1.7	0.5	1.33	91

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	26	7	V	0.8	1.5	1.65	116
180970057	2013	7	26	8	V	0.6	0.9	2.03	125
180970057	2013	7	26	9	V	0.7	1	2.61	159
180970057	2013	7	26	10	V	1.3	17.5	3.42	177
180970057	2013	7	26	11	V	0.6	5.9	4.15	169
180970057	2013	7	26	12	V	1.4	1.8	4.27	189
180970057	2013	7	26	13	V	0.5	1.5	4.44	212
180970057	2013	7	26	14	V	0.2	0.5	4.32	227
180970057	2013	7	26	15	V	0.4	0.3	4.27	213
180970057	2013	7	26	16	V	0.1	0.3	5.14	219
180970057	2013	7	26	17	V	0.06	0.7	5.34	227
180970057	2013	7	26	18	V	0.06	0.9	5.63	216
180970057	2013	7	26	19	V	0.5	1.2	4.85	239
180970057	2013	7	26	20	V	0.5	1	4.1	236
180970057	2013	7	26	21	V	0.4	1.1	4.12	234
180970057	2013	7	26	22	V	1.0	1.3	3.27	201
180970057	2013	7	26	23	V	1.2	2.5	2.91	200
180970057	2013	7	26	24	V	0.06	1	4.08	219
180970057	2013	7	27	1	V	2.6	0.6	3.44	195
180970057	2013	7	27	2	V	2.1	1.1	4.15	195
180970057	2013	7	27	3	V	0.4	1	4.54	204
180970057	2013	7	27	4	V	0.05	0.2	3.13	216
180970057	2013	7	27	5	V	0.2	0.1	4.05	210
180970057	2013	7	27	6	V	0.04	0.1	5.34	219
180970057	2013	7	27	7	V	0.05	0	5.73	225
180970057	2013	7	27	8	V	0.07	0	5.72	231
180970057	2013	7	27	9	V	0.3	0	5.48	246
180970057	2013	7	27	10	V	0.2	0.1	5.97	257
180970057	2013	7	27	11	V	0.2	0.1	5.99	258
180970057	2013	7	27	12	V	0.2	0.1	6.38	256
180970057	2013	7	27	13	V	0.2	0	6.74	257
180970057	2013	7	27	14	V	0.2	0	6.91	257
180970057	2013	7	27	15	V	0.1	0	7.65	266
180970057	2013	7	27	16	V	0.09	0	7.69	273
180970057	2013	7	27	17	V	0.05	0	7.94	281
180970057	2013	7	27	18	V	0.1	0	8.16	282
180970057	2013	7	27	19	V	0.1	0	7.16	282
180970057	2013	7	27	20	V	0.03	0.1	6.45	288
180970057	2013	7	27	21	V	0.02	0.1	4.85	289
180970057	2013	7	27	22	V	0.1	0	4.32	284
180970057	2013	7	27	23	V	0.01	-999	4.87	300
180970057	2013	7	27	24	V	0.01	0.1	3.46	299
180970057	2013	7	28	1	V	0.5	0.1	2.74	278
180970057	2013	7	28	2	V	0.5	0	3.15	268
180970057	2013	7	28	3	V	0.2	0	3.17	249
180970057	2013	7	28	4	V	0.1	0	2.64	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	28	5	V	0.2	0	3.17	237
180970057	2013	7	28	6	V	0.2	0	3.44	240
180970057	2013	7	28	7	V	0.2	0.5	3.51	245
180970057	2013	7	28	8	V	0.2	1.3	4.07	242
180970057	2013	7	28	9	V	0.3	1.7	4.49	241
180970057	2013	7	28	10	V	0.3	1.9	5.19	240
180970057	2013	7	28	11	V	0.2	0.6	6.57	245
180970057	2013	7	28	12	V	0.2	0.4	6.99	252
180970057	2013	7	28	13	V	0.3	0.7	7.26	244
180970057	2013	7	28	14	V	0.2	0.3	7.37	236
180970057	2013	7	28	15	V	0.3	0.4	7.77	239
180970057	2013	7	28	16	V	0.3	0.5	8.13	240
180970057	2013	7	28	17	V	0.2	0.5	7.13	246
180970057	2013	7	28	18	V	0.6	0.5	6.48	249
180970057	2013	7	28	19	V	0.7	0.5	4.97	252
180970057	2013	7	28	20	V	0.8	0.2	4.15	246
180970057	2013	7	28	21	V	0.2	0.3	3	225
180970057	2013	7	28	22	V	0.03	0.1	3.1	216
180970057	2013	7	28	23	V	0.6	0	2.08	233
180970057	2013	7	28	24	V	1.3	0.1	2.69	244
180970057	2013	7	29	1	V	0.3	0	1.99	249
180970057	2013	7	29	2	V	0.7	0	1.77	265
180970057	2013	7	29	3	V	0.3	0	2.04	242
180970057	2013	7	29	4	V	0.3	0.4	2.23	244
180970057	2013	7	29	5	V	0.4	0.4	2.2	244
180970057	2013	7	29	6	V	1.5	0.4	2.13	260
180970057	2013	7	29	7	V	2.7	0.6	1.71	277
180970057	2013	7	29	8	V	3.3	1	1.72	270
180970057	2013	7	29	9	V	5.4	1.1	1.38	290
180970057	2013	7	29	10	V	1.3	0.4	2.74	277
180970057	2013	7	29	11	V	0.8	0.2	3.47	278
180970057	2013	7	29	12	V	0.4	0.2	4.87	278
180970057	2013	7	29	13	V	0.5	0.1	4.63	271
180970057	2013	7	29	14	V	0.5	0.1	4.29	268
180970057	2013	7	29	15	V	0.7	0.1	3.71	262
180970057	2013	7	29	16	V	0.5	0.1	3.68	271
180970057	2013	7	29	17	V	0.5	0.3	3.76	258
180970057	2013	7	29	18	V	0.8	0.4	3.98	272
180970057	2013	7	29	19	V	0.1	0.3	3.8	289
180970057	2013	7	29	20	V	0.07	0.2	2.86	299
180970057	2013	7	29	21	V	0.3	0.1	1.76	322
180970057	2013	7	29	22	V	0.6	0.3	1.48	347
180970057	2013	7	29	23	V	4.4	0.1	0.8	353
180970057	2013	7	29	24	V	9.6	0.3	0.97	64
180970057	2013	7	30	1	V	0.4	0.6	1.45	107
180970057	2013	7	30	2	V	0.1	0.8	2.08	125

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	7	30	3	V	0.1	0.3	1.93	118
180970057	2013	7	30	4	V	0.2	0.2	1.84	113
180970057	2013	7	30	5	V	0.5	0.1	2.2	116
180970057	2013	7	30	6	V	1.4	0.4	2.47	112
180970057	2013	7	30	7	V	2.9	2.2	1.82	102
180970057	2013	7	30	8	V	1.3	3.9	2.66	118
180970057	2013	7	30	9	V	0.7	1.2	3.46	140
180970057	2013	7	30	10	V	3.0	0.6	3.2	162
180970057	2013	7	30	11	V	0.7	0.4	3.05	157
180970057	2013	7	30	12	V	0.5	0.3	3.23	149
180970057	2013	7	30	13	V	0.5	0.4	3.07	148
180970057	2013	7	30	14	V	0.4	0.5	3.27	143
180970057	2013	7	30	15	V	0.3	0.3	4.02	138
180970057	2013	7	30	16	V	0.4	0.5	2.93	128
180970057	2013	7	30	17	V	0.3	0.6	2.56	109
180970057	2013	7	30	18	V	0.1	0.3	3.3	98
180970057	2013	7	30	19	V	0.1	0.9	2.96	111
180970057	2013	7	30	20	V	0.1	0.6	2.98	142
180970057	2013	7	30	21	V	0.09	0.2	4.36	167
180970057	2013	7	30	22	V	0.1	0.2	3.25	154
180970057	2013	7	30	23	V	0.1	0.1	3.32	162
180970057	2013	7	30	24	V	0.09	0	3.05	147
180970057	2013	7	31	1	V	0.08	0.3	2.74	128
180970057	2013	7	31	2	V	0.08	0.3	3.74	137
180970057	2013	7	31	3	V	0.07	0	3.59	141
180970057	2013	7	31	4	V	0.08	0	3.73	146
180970057	2013	7	31	5	V	0.1	0	3.85	138
180970057	2013	7	31	6	V	0.3	0	3.51	149
180970057	2013	7	31	7	V	0.9	0	2.98	142
180970057	2013	7	31	8	V	0.6	0	3.13	146
180970057	2013	7	31	9	V	1.3	0	2.71	162
180970057	2013	7	31	10	V	28.9	0.6	2.96	180
180970057	2013	7	31	11	V	45.3	2.8	2.81	187
180970057	2013	7	31	12	V	23.1	1.6	2.37	208
180970057	2013	7	31	13	V	8.7	1.7	2.13	218
180970057	2013	7	31	14	V	1.7	0.9	1.99	233
180970057	2013	7	31	15	V	0.6	0.4	2.89	246
180970057	2013	7	31	16	V	0.4	0.2	3.03	231
180970057	2013	7	31	17	V	0.3	0.1	2.72	237
180970057	2013	7	31	18	V	0.5	0	3.22	230
180970057	2013	7	31	19	V	0.8	0.1	2.91	250
180970057	2013	7	31	20	V	0.6	0	2.59	269
180970057	2013	7	31	21	V	1.4	0	1.62	274
180970057	2013	7	31	22	V	0.08	0	2.49	290
180970057	2013	7	31	23	V	0.08	0	3.15	307
180970057	2013	7	31	24	V	0.05	0	3.17	316

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	1	1	V	0.1	0	2.27	316
180970057	2013	8	1	2	V	0.1	0	2.22	285
180970057	2013	8	1	3	V	1.0	0	2.54	276
180970057	2013	8	1	4	V	0.07	0	2.76	293
180970057	2013	8	1	5	V	0.2	0	2.39	291
180970057	2013	8	1	6	V	1.3	0	2.56	291
180970057	2013	8	1	7	V	1.5	0	2.55	270
180970057	2013	8	1	8	V	0.4	0	4.2	320
180970057	2013	8	1	9	V	1.2	0.2	2.81	303
180970057	2013	8	1	10	V	1.0	0.3	3.2	307
180970057	2013	8	1	11	V	0.4	0.4	4.85	320
180970057	2013	8	1	12	V	0.4	0.9	4.92	310
180970057	2013	8	1	13	V	0.3	0.5	5.62	288
180970057	2013	8	1	14	V	0.2	0	7.83	298
180970057	2013	8	1	15	V	0.1	0.1	9.07	295
180970057	2013	8	1	16	V	0.1	0	8.73	296
180970057	2013	8	1	17	V	0.1	0	8.2	306
180970057	2013	8	1	18	V	0.05	0	6.45	301
180970057	2013	8	1	19	V	0.06	0	5.79	288
180970057	2013	8	1	20	V	0.4	0	3.93	279
180970057	2013	8	1	21	V	0.7	0	3.58	265
180970057	2013	8	1	22	V	0.2	0.1	3	283
180970057	2013	8	1	23	V	0.1	0	2.76	282
180970057	2013	8	1	24	V	0.1	0	2.83	283
180970057	2013	8	2	1	V	0.1	0	2.54	300
180970057	2013	8	2	2	V	0.1	0	2.16	288
180970057	2013	8	2	3	V	0.2	0	1.82	287
180970057	2013	8	2	4	V	0.4	0	1.98	244
180970057	2013	8	2	5	V	0.2	1.5	1.89	224
180970057	2013	8	2	6	V	72.2	1.4	1.76	196
180970057	2013	8	2	7	V	22.7	2.2	1.84	218
180970057	2013	8	2	8	V	18.6	7.1	1.81	210
180970057	2013	8	2	9	V	24.7	46.4	4.03	190
180970057	2013	8	2	10	V	19.2	28.7	5.05	202
180970057	2013	8	2	11	V	5.5	23.9	6.36	211
180970057	2013	8	2	12	V	0.3	2.3	7.64	231
180970057	2013	8	2	13	V	0.2	1.9	8.64	231
180970057	2013	8	2	14	V	0.3	0.8	8.85	231
180970057	2013	8	2	15	V	0.1	0.6	8.93	223
180970057	2013	8	2	16	V	0.4	0.6	6.77	215
180970057	2013	8	2	17	V	0.3	0.6	5.41	215
180970057	2013	8	2	18	V	0.6	0.5	5.96	210
180970057	2013	8	2	19	V	0.2	1.3	4.9	213
180970057	2013	8	2	20	V	0.3	1.1	4.05	213
180970057	2013	8	2	21	V	6.4	1.5	3.29	205
180970057	2013	8	2	22	V	71.6	3.1	3.46	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	2	23	V	1.6	2.9	3.81	207
180970057	2013	8	2	24	V	0.5	1.6	3.37	234
180970057	2013	8	3	1	V	0.1	1.1	3.46	228
180970057	2013	8	3	2	V	0.5	0.3	4.19	251
180970057	2013	8	3	3	V	0.07	0.1	2.49	301
180970057	2013	8	3	4	V	0.2	0	1.71	229
180970057	2013	8	3	5	V	8.9	0.1	3.12	180
180970057	2013	8	3	6	V	0.4	0.1	3.08	224
180970057	2013	8	3	7	V	0.9	0	2.69	254
180970057	2013	8	3	8	V	1.1	0	2.73	249
180970057	2013	8	3	9	V	1.1	0	2.4	277
180970057	2013	8	3	10	V	0.4	0	3.44	354
180970057	2013	8	3	11	V	2.2	0	1.74	344
180970057	2013	8	3	12	V	4.4	0	1.76	342
180970057	2013	8	3	13	V	0.9	0	3.15	2
180970057	2013	8	3	14	V	0.8	0	3.13	334
180970057	2013	8	3	15	V	0.5	0	3.63	352
180970057	2013	8	3	16	V	0.5	0	3.44	355
180970057	2013	8	3	17	V	0.2	0	4.48	329
180970057	2013	8	3	18	V	0.06	0	4.92	337
180970057	2013	8	3	19	V	0.03	0.1	5.24	345
180970057	2013	8	3	20	V	0.03	0	5.84	356
180970057	2013	8	3	21	V	0.02	0	6.02	5
180970057	2013	8	3	22	V	0.04	0	4.88	4
180970057	2013	8	3	23	V	0.05	-999	3.54	1
180970057	2013	8	3	24	V	0.08	0	3.69	8
180970057	2013	8	4	1	V	0.04	0	2.88	359
180970057	2013	8	4	2	V	0.07	0	2.54	335
180970057	2013	8	4	3	V	0.04	0	2.93	341
180970057	2013	8	4	4	V	0.04	0	3.49	353
180970057	2013	8	4	5	V	0.1	0.3	3.73	5
180970057	2013	8	4	6	V	0.4	0.3	3.47	6
180970057	2013	8	4	7	V	0.8	0.3	3.12	14
180970057	2013	8	4	8	V	4.7	1.7	3.03	34
180970057	2013	8	4	9	V	4.8	3	3.52	56
180970057	2013	8	4	10	V	4.7	1.7	3.44	49
180970057	2013	8	4	11	V	4.7	1.6	3.69	54
180970057	2013	8	4	12	V	4.4	0.6	4.07	34
180970057	2013	8	4	13	V	1.3	0.3	4.6	17
180970057	2013	8	4	14	V	0.4	0.5	4.48	1
180970057	2013	8	4	15	V	2.2	0	3.86	21
180970057	2013	8	4	16	V	1.4	0	3.3	16
180970057	2013	8	4	17	V	0.4	0	3.22	351
180970057	2013	8	4	18	V	0.1	0.2	3.15	342
180970057	2013	8	4	19	V	0.06	0	3.9	328
180970057	2013	8	4	20	V	0.08	0	3.56	346

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	4	21	V	0.1	0.6	2.21	14
180970057	2013	8	4	22	V	0.3	0.7	1.77	67
180970057	2013	8	4	23	V	0.4	0.4	1.55	112
180970057	2013	8	4	24	V	1.4	0.2	1.09	100
180970057	2013	8	5	1	V	7.0	0.1	0.69	104
180970057	2013	8	5	2	C	-999	0	0	0
180970057	2013	8	5	3	C	-999	0.2	0	0
180970057	2013	8	5	4	V	7.0	0.2	0.69	144
180970057	2013	8	5	5	V	81.6	0.2	0.87	190
180970057	2013	8	5	6	V	7.0	0	1.13	112
180970057	2013	8	5	7	V	46.1	0.8	1.57	183
180970057	2013	8	5	8	V	18.6	2.8	2.96	200
180970057	2013	8	5	9	V	18.4	13.1	3.95	188
180970057	2013	8	5	10	V	17.8	47.2	4.32	189
180970057	2013	8	5	11	V	11.8	12.7	3.18	203
180970057	2013	8	5	12	V	9.0	16.2	2.73	211
180970057	2013	8	5	13	V	18.6	16.1	3.83	190
180970057	2013	8	5	14	V	19.6	11.4	4.48	188
180970057	2013	8	5	15	V	8.8	6.1	4.39	175
180970057	2013	8	5	16	V	26.5	1	4.03	200
180970057	2013	8	5	17	V	10.1	0.7	4.49	205
180970057	2013	8	5	18	V	32.2	5	4.59	186
180970057	2013	8	5	19	V	0.1	6.6	2.21	159
180970057	2013	8	5	20	V	0.07	1	3.13	125
180970057	2013	8	5	21	V	0.07	1.8	3.05	135
180970057	2013	8	5	22	V	0.08	1	3.42	133
180970057	2013	8	5	23	V	0.09	1.4	2.95	135
180970057	2013	8	5	24	V	0.08	0.9	3.86	149
180970057	2013	8	6	1	V	0.08	0.4	3.66	155
180970057	2013	8	6	2	V	0.5	0.2	3.93	175
180970057	2013	8	6	3	V	34.4	1.2	2.62	187
180970057	2013	8	6	4	V	4.2	1.4	2.56	181
180970057	2013	8	6	5	V	0.1	0.9	2.81	167
180970057	2013	8	6	6	V	2.0	0.5	2.96	168
180970057	2013	8	6	7	V	4.4	0.6	3.35	171
180970057	2013	8	6	8	V	11.0	1.3	3.51	178
180970057	2013	8	6	9	V	1.2	1.7	4.26	171
180970057	2013	8	6	10	V	1.1	2.2	3.59	167
180970057	2013	8	6	11	V	22.6	1.8	3.03	179
180970057	2013	8	6	12	V	44.0	5.1	3.88	188
180970057	2013	8	6	13	V	44.2	29.1	2.33	196
180970057	2013	8	6	14	V	41.3	6.6	2.56	196
180970057	2013	8	6	15	V	18.2	11.9	3.32	180
180970057	2013	8	6	16	V	32.8	4.5	2.08	185
180970057	2013	8	6	17	V	2.9	3.9	3.61	176
180970057	2013	8	6	18	V	0.8	2.2	3.9	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	6	19	V	15.5	0.7	3.78	183
180970057	2013	8	6	20	V	0.1	0.3	2.96	174
180970057	2013	8	6	21	V	0.1	0.1	2.42	140
180970057	2013	8	6	22	V	0.08	0.1	2.98	151
180970057	2013	8	6	23	V	18.2	0.4	3.68	184
180970057	2013	8	6	24	V	73.4	1.2	3.3	194
180970057	2013	8	7	1	V	0.1	1.1	3.49	212
180970057	2013	8	7	2	V	0.07	0.8	3.13	214
180970057	2013	8	7	3	V	0.2	1.1	1.84	219
180970057	2013	8	7	4	V	1.2	1.5	2.66	205
180970057	2013	8	7	5	V	8.6	1.2	2.49	177
180970057	2013	8	7	6	V	10.0	2.2	2.59	174
180970057	2013	8	7	7	V	24.0	3.2	3.81	181
180970057	2013	8	7	8	V	1.5	6.6	4.32	170
180970057	2013	8	7	9	V	27.4	3.1	4.24	200
180970057	2013	8	7	10	V	4.2	2.9	4.61	208
180970057	2013	8	7	11	V	0.3	3.1	5.11	217
180970057	2013	8	7	12	V	1.0	2.4	4.48	224
180970057	2013	8	7	13	V	6.7	1.1	2.98	218
180970057	2013	8	7	14	V	31.4	3.8	3.86	197
180970057	2013	8	7	15	V	31.4	10.6	3.61	197
180970057	2013	8	7	16	V	38.4	3.6	4.05	194
180970057	2013	8	7	17	V	8.1	1.9	3.93	206
180970057	2013	8	7	18	V	31.5	1.3	4.78	199
180970057	2013	8	7	19	V	47.3	3	4.82	192
180970057	2013	8	7	20	V	2.6	1.6	3.17	207
180970057	2013	8	7	21	V	0.3	1	2.64	211
180970057	2013	8	7	22	V	0.6	0.9	2.08	232
180970057	2013	8	7	23	V	0.5	0.6	3.24	233
180970057	2013	8	7	24	V	0.5	0.5	3.66	232
180970057	2013	8	8	1	V	0.8	0.1	1.82	264
180970057	2013	8	8	2	V	2.5	0.1	0.82	301
180970057	2013	8	8	3	V	0.3	0	1.72	229
180970057	2013	8	8	4	V	0.8	0	2.16	264
180970057	2013	8	8	5	V	0.7	0.1	1.23	329
180970057	2013	8	8	6	V	8.6	0.1	1.18	23
180970057	2013	8	8	7	V	10.5	0.2	2.11	67
180970057	2013	8	8	8	V	1.7	0.2	2.32	75
180970057	2013	8	8	9	V	5.7	0.4	1.71	117
180970057	2013	8	8	10	V	2.2	0.4	2.28	126
180970057	2013	8	8	11	V	1.6	0.4	3.2	155
180970057	2013	8	8	12	V	14.3	9.1	4.21	181
180970057	2013	8	8	13	V	0.8	3.6	4.56	226
180970057	2013	8	8	14	V	0.5	1.5	4.54	250
180970057	2013	8	8	15	V	0.2	0.9	5.53	279
180970057	2013	8	8	16	V	0.2	0.3	4.99	349

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	8	17	V	11.2	0.1	3.15	46
180970057	2013	8	8	18	V	5.4	0.2	3.57	42
180970057	2013	8	8	19	V	0.08	0	3.08	20
180970057	2013	8	8	20	V	0.1	0	3.78	14
180970057	2013	8	8	21	V	0.07	0	4.8	15
180970057	2013	8	8	22	V	2.0	0.7	4.36	40
180970057	2013	8	8	23	V	4.7	0.4	4.2	45
180970057	2013	8	8	24	V	1.1	0.3	3.88	36
180970057	2013	8	9	1	V	3.7	0.2	4	41
180970057	2013	8	9	2	V	1.9	0.2	3.37	38
180970057	2013	8	9	3	V	0.02	0	3.13	23
180970057	2013	8	9	4	V	0.02	0	3.59	3
180970057	2013	8	9	5	V	0.03	0	3.27	2
180970057	2013	8	9	6	V	0.1	0	2.93	10
180970057	2013	8	9	7	V	0.2	0	2.59	2
180970057	2013	8	9	8	V	0.1	0	3.4	7
180970057	2013	8	9	9	V	0.2	0	3.69	16
180970057	2013	8	9	10	V	0.2	0	3.83	21
180970057	2013	8	9	11	V	5.8	3.6	2.62	32
180970057	2013	8	9	12	V	1.2	1.7	2.06	3
180970057	2013	8	9	13	V	0.7	0.4	2.03	349
180970057	2013	8	9	14	V	0.7	0.1	2.01	308
180970057	2013	8	9	15	V	0.4	0.1	2.61	317
180970057	2013	8	9	16	V	0.2	0	3.35	321
180970057	2013	8	9	17	V	0.08	0	4.15	325
180970057	2013	8	9	18	V	0.01	0	4.85	340
180970057	2013	8	9	19	V	0.01	0	4.41	332
180970057	2013	8	9	20	V	0.02	0	3.83	342
180970057	2013	8	9	21	V	0.02	0	2.56	5
180970057	2013	8	9	22	V	0.02	0	2.32	17
180970057	2013	8	9	23	V	0.09	0	1.62	2
180970057	2013	8	9	24	V	0.6	0	0.97	357
180970057	2013	8	10	1	V	21.3	0	0.57	32
180970057	2013	8	10	2	V	0.1	0.1	1.6	325
180970057	2013	8	10	3	V	0.08	0.1	1.69	319
180970057	2013	8	10	4	V	0.02	0	2.44	360
180970057	2013	8	10	5	V	0.08	0	1.5	311
180970057	2013	8	10	6	V	0.3	0	1.91	360
180970057	2013	8	10	7	V	3.9	0	1.09	351
180970057	2013	8	10	8	V	3.6	0.3	0.8	291
180970057	2013	8	10	9	V	1.9	1	1.55	30
180970057	2013	8	10	10	V	2.2	3.9	0.87	77
180970057	2013	8	10	11	V	1.7	13.6	1.08	130
180970057	2013	8	10	12	V	1.2	10.8	1.76	220
180970057	2013	8	10	13	V	0.7	8.4	2.27	238
180970057	2013	8	10	14	V	0.4	2.6	2.9	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	10	15	V	0.4	0.9	3	258
180970057	2013	8	10	16	V	0.2	0.2	3.35	275
180970057	2013	8	10	17	V	0.2	0.1	3.61	277
180970057	2013	8	10	18	V	0.02	0.1	3.91	291
180970057	2013	8	10	19	V	0.01	0	4.24	321
180970057	2013	8	10	20	V	0.01	0	3.97	347
180970057	2013	8	10	21	V	0.01	0	2.73	351
180970057	2013	8	10	22	V	0.02	0	2.4	321
180970057	2013	8	10	23	V	0.01	-999	2.62	323
180970057	2013	8	10	24	V	0.02	-999	3.03	331
180970057	2013	8	11	1	V	0.03	1.1	2.01	350
180970057	2013	8	11	2	V	0.04	1	2.01	358
180970057	2013	8	11	3	V	0.08	1	1.65	4
180970057	2013	8	11	4	V	0.06	0.9	1.76	15
180970057	2013	8	11	5	V	0.5	0.9	1.42	27
180970057	2013	8	11	6	V	0.8	0.9	1.13	315
180970057	2013	8	11	7	V	0.5	1	2.1	315
180970057	2013	8	11	8	V	0.5	1.1	2.23	320
180970057	2013	8	11	9	V	1.4	1.9	1.59	311
180970057	2013	8	11	10	V	0.7	1.9	2.23	310
180970057	2013	8	11	11	V	0.5	1.6	2.67	320
180970057	2013	8	11	12	V	0.6	1.4	2.38	270
180970057	2013	8	11	13	V	0.2	1.2	3.9	277
180970057	2013	8	11	14	V	0.2	1.2	4.41	282
180970057	2013	8	11	15	V	0.2	1.2	4.34	281
180970057	2013	8	11	16	V	0.2	1.2	3.76	288
180970057	2013	8	11	17	V	0.1	1.1	3.56	309
180970057	2013	8	11	18	V	0.02	1.1	3.51	304
180970057	2013	8	11	19	V	0.01	1.1	3.22	310
180970057	2013	8	11	20	V	0.01	1.1	2.93	316
180970057	2013	8	11	21	V	0.02	1.1	2.57	331
180970057	2013	8	11	22	V	0.02	1.1	2.4	330
180970057	2013	8	11	23	V	0.07	1.1	1.76	357
180970057	2013	8	11	24	V	0.5	1.1	1.08	328
180970057	2013	8	12	1	V	0.7	1.1	1.14	242
180970057	2013	8	12	2	V	0.2	1.3	1.45	352
180970057	2013	8	12	3	V	0.1	1.4	1.47	166
180970057	2013	8	12	4	V	0.5	1.2	1.28	234
180970057	2013	8	12	5	V	0.5	1.3	1.3	236
180970057	2013	8	12	6	V	24.1	1.2	0.91	208
180970057	2013	8	12	7	V	15.2	1.3	1.03	44
180970057	2013	8	12	8	V	6.9	3.9	1.25	115
180970057	2013	8	12	9	V	10.3	9.1	1.64	175
180970057	2013	8	12	10	V	6.0	4.8	3.59	214
180970057	2013	8	12	11	V	7.5	20.3	2.93	212
180970057	2013	8	12	12	V	3.1	31.7	2.61	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	12	13	V	11.1	20.2	3.57	206
180970057	2013	8	12	14	V	9.1	7.8	4	210
180970057	2013	8	12	15	V	0.5	3.3	4.66	232
180970057	2013	8	12	16	V	0.3	2.1	4.68	259
180970057	2013	8	12	17	V	0.2	2	4.46	272
180970057	2013	8	12	18	V	0.8	1.9	4.17	266
180970057	2013	8	12	19	V	0.9	1.8	3.27	251
180970057	2013	8	12	20	V	0.5	1.7	3.35	232
180970057	2013	8	12	21	V	0.7	1.7	3.25	272
180970057	2013	8	12	22	V	0.6	1.5	2.73	278
180970057	2013	8	12	23	V	0.7	1.4	3.61	263
180970057	2013	8	12	24	V	0.2	1.5	3.47	282
180970057	2013	8	13	1	V	0.08	1.5	2.36	292
180970057	2013	8	13	2	V	0.7	1.3	2.86	265
180970057	2013	8	13	3	V	0.09	1.2	2.36	303
180970057	2013	8	13	4	V	0.05	1.2	2.81	310
180970057	2013	8	13	5	V	0.1	1.3	3.05	324
180970057	2013	8	13	6	V	0.6	1.2	3.03	355
180970057	2013	8	13	7	V	0.3	1.5	3.63	3
180970057	2013	8	13	8	V	0.2	1.5	5.12	8
180970057	2013	8	13	9	V	0.1	1.3	4.75	11
180970057	2013	8	13	10	V	0.1	1.4	5.02	359
180970057	2013	8	13	11	V	0.1	1.2	5.63	4
180970057	2013	8	13	12	V	0.2	1.1	5.38	345
180970057	2013	8	13	13	V	0.1	1.1	5.9	344
180970057	2013	8	13	14	V	0.2	1.1	6.21	347
180970057	2013	8	13	15	V	0.1	1.2	7.52	334
180970057	2013	8	13	16	V	0.1	1.1	8.44	334
180970057	2013	8	13	17	V	0.08	1.1	7.84	348
180970057	2013	8	13	18	V	0.03	1.1	8.32	346
180970057	2013	8	13	19	V	0.02	1.1	7.89	358
180970057	2013	8	13	20	V	0.02	1.1	6.53	355
180970057	2013	8	13	21	V	0.02	1	5.46	354
180970057	2013	8	13	22	V	0.02	1.1	5.62	354
180970057	2013	8	13	23	V	0.03	1	4.43	355
180970057	2013	8	13	24	V	0.04	1.3	4.34	1
180970057	2013	8	14	1	V	0.03	1.1	3.73	4
180970057	2013	8	14	2	V	0.02	1.1	3.95	2
180970057	2013	8	14	3	V	0.01	1.1	3.29	357
180970057	2013	8	14	4	V	0.01	1.1	3.54	9
180970057	2013	8	14	5	V	0.01	1.2	2.93	16
180970057	2013	8	14	6	V	0.1	1.2	3.29	11
180970057	2013	8	14	7	V	0.2	1.3	3.17	354
180970057	2013	8	14	8	V	0.5	1.5	4.32	19
180970057	2013	8	14	9	V	2.9	3.5	4.56	27
180970057	2013	8	14	10	V	2.4	3.2	4.92	25

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	14	11	V	0.5	2.7	4.95	13
180970057	2013	8	14	12	V	2.1	1.4	4.34	22
180970057	2013	8	14	13	V	1.5	1.8	4.7	20
180970057	2013	8	14	14	V	1.8	4.1	4.43	21
180970057	2013	8	14	15	V	0.6	1.5	4.49	14
180970057	2013	8	14	16	V	3.4	1.1	4.19	28
180970057	2013	8	14	17	V	0.6	1.6	4.1	22
180970057	2013	8	14	18	V	0.01	4.4	4.41	21
180970057	2013	8	14	19	V	0.01	6.1	3.8	23
180970057	2013	8	14	20	V	0.01	7.6	3.81	26
180970057	2013	8	14	21	V	0.01	1.6	2.98	24
180970057	2013	8	14	22	V	0.01	1.3	2.56	6
180970057	2013	8	14	23	V	0.01	1.3	2.52	23
180970057	2013	8	14	24	V	0.02	1.2	2.49	27
180970057	2013	8	15	1	V	0.02	1.2	2.42	20
180970057	2013	8	15	2	V	10.3	1.3	1.98	53
180970057	2013	8	15	3	V	0.3	1.3	1.2	10
180970057	2013	8	15	4	V	0.05	1.3	1.88	3
180970057	2013	8	15	5	V	0.03	1.3	2.42	26
180970057	2013	8	15	6	V	13.5	1.5	2.16	47
180970057	2013	8	15	7	V	15.1	1.6	1.33	49
180970057	2013	8	15	8	V	5.0	1.6	1.67	74
180970057	2013	8	15	9	V	0.4	1.4	2.64	93
180970057	2013	8	15	10	V	0.5	1.2	2.4	101
180970057	2013	8	15	11	V	0.2	1.5	2.57	120
180970057	2013	8	15	12	V	1.2	2.2	2.27	88
180970057	2013	8	15	13	V	0.9	2.8	2.32	10
180970057	2013	8	15	14	V	3.6	5.4	2.84	32
180970057	2013	8	15	15	V	3.8	3.9	2.35	45
180970057	2013	8	15	16	V	0.8	3.5	3.4	16
180970057	2013	8	15	17	V	10.1	2.1	3.22	47
180970057	2013	8	15	18	V	3.8	1.5	3.17	43
180970057	2013	8	15	19	V	4.9	1.2	3.32	49
180970057	2013	8	15	20	V	0.01	1.2	3.49	79
180970057	2013	8	15	21	V	0.01	1.5	3.42	95
180970057	2013	8	15	22	V	0.01	1.4	2.66	90
180970057	2013	8	15	23	V	0.03	1.2	2.06	90
180970057	2013	8	15	24	V	0.04	1.2	1.96	72
180970057	2013	8	16	1	V	0.07	1.2	1.71	9
180970057	2013	8	16	2	V	1.3	1.3	1.48	30
180970057	2013	8	16	3	V	0.02	1.2	2.47	26
180970057	2013	8	16	4	V	7.0	1.2	2.74	46
180970057	2013	8	16	5	V	2.3	1.2	2.55	38
180970057	2013	8	16	6	V	3.7	1.4	2.83	29
180970057	2013	8	16	7	V	10.7	1.5	2.9	40
180970057	2013	8	16	8	V	4.8	1.9	2.64	34

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	16	9	V	3.8	2.5	2.62	35
180970057	2013	8	16	10	V	3.2	4.3	2.49	30
180970057	2013	8	16	11	V	3.1	5.1	2.62	36
180970057	2013	8	16	12	V	3.5	3.8	3.22	63
180970057	2013	8	16	13	V	7.9	2.1	4.92	50
180970057	2013	8	16	14	V	8.1	5.4	5.17	48
180970057	2013	8	16	15	V	7.8	2	4.9	53
180970057	2013	8	16	16	V	2.6	1.6	4.85	66
180970057	2013	8	16	17	V	6.5	2.1	4.71	58
180970057	2013	8	16	18	V	0.01	1.4	4.22	85
180970057	2013	8	16	19	V	0.01	1.2	4.09	91
180970057	2013	8	16	20	V	0.01	1.5	4.03	90
180970057	2013	8	16	21	V	0.01	2.4	2.84	80
180970057	2013	8	16	22	V	4.3	1.4	2.72	44
180970057	2013	8	16	23	V	4.4	1.3	2.93	42
180970057	2013	8	16	24	V	0.9	1.4	3.39	36
180970057	2013	8	17	1	V	0.06	1.6	3.15	33
180970057	2013	8	17	2	V	0.7	1.6	3.29	38
180970057	2013	8	17	3	V	1.0	1.3	2.98	37
180970057	2013	8	17	4	V	0.2	1.2	2.69	34
180970057	2013	8	17	5	V	0.1	1.2	2.88	31
180970057	2013	8	17	6	V	9.7	1.3	2.88	40
180970057	2013	8	17	7	V	7.6	1.9	3.27	35
180970057	2013	8	17	8	V	7.9	2.3	2.96	44
180970057	2013	8	17	9	V	6.0	1.9	3.29	44
180970057	2013	8	17	10	V	5.3	2.5	3.13	53
180970057	2013	8	17	11	V	0.4	2.2	3.95	85
180970057	2013	8	17	12	V	0.2	2.7	4.17	98
180970057	2013	8	17	13	V	0.2	3.1	4.03	99
180970057	2013	8	17	14	V	1.4	3.5	4.03	75
180970057	2013	8	17	15	V	0.1	4	4.75	99
180970057	2013	8	17	16	V	2.2	5.2	4.09	65
180970057	2013	8	17	17	V	10.2	6.5	4.31	53
180970057	2013	8	17	18	V	1.5	2.3	4.14	55
180970057	2013	8	17	19	V	0.01	2.6	4.7	68
180970057	2013	8	17	20	V	1.0	5.4	5.07	42
180970057	2013	8	17	21	V	0.2	6.7	4.05	34
180970057	2013	8	17	22	V	0.2	4.2	4.15	35
180970057	2013	8	17	23	V	0.03	-999	3.85	33
180970057	2013	8	17	24	V	0.01	4.1	3.83	31
180970057	2013	8	18	1	V	1.7	3.1	3.52	41
180970057	2013	8	18	2	V	3.0	1.8	3.01	44
180970057	2013	8	18	3	V	0.1	1.5	2.54	34
180970057	2013	8	18	4	V	5.2	1.4	2.37	41
180970057	2013	8	18	5	V	5.8	1.3	1.98	55
180970057	2013	8	18	6	V	11.6	1.4	2.91	41

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	18	7	V	16.3	1.4	1.82	47
180970057	2013	8	18	8	V	2.3	1.6	1.31	69
180970057	2013	8	18	9	V	3.5	2.5	1.79	57
180970057	2013	8	18	10	V	1.4	4.2	1.72	96
180970057	2013	8	18	11	V	0.4	4	2.81	112
180970057	2013	8	18	12	V	0.2	3	3.71	106
180970057	2013	8	18	13	V	0.5	3.4	3.41	87
180970057	2013	8	18	14	V	0.4	3.1	2.91	107
180970057	2013	8	18	15	V	1.3	2.1	2.15	88
180970057	2013	8	18	16	V	0.3	2.3	2.84	124
180970057	2013	8	18	17	V	0.3	1.7	2.25	152
180970057	2013	8	18	18	V	0.02	2.3	2.4	150
180970057	2013	8	18	19	V	0.03	1.7	2.15	161
180970057	2013	8	18	20	V	0.2	1.5	2.62	178
180970057	2013	8	18	21	V	0.05	1.7	2.37	211
180970057	2013	8	18	22	V	0.3	1.9	1.26	222
180970057	2013	8	18	23	V	0.7	2	1.42	230
180970057	2013	8	18	24	V	12.8	1.7	1.43	188
180970057	2013	8	19	1	V	0.4	1.5	1.47	249
180970057	2013	8	19	2	V	0.2	1.4	1.59	232
180970057	2013	8	19	3	V	2.0	1.3	0.96	272
180970057	2013	8	19	4	V	5.3	1.3	0.62	157
180970057	2013	8	19	5	V	0.5	1.4	1.45	281
180970057	2013	8	19	6	V	14.9	1.5	1.6	174
180970057	2013	8	19	7	V	14.1	1.5	1.43	216
180970057	2013	8	19	8	V	7.3	3.9	0.69	251
180970057	2013	8	19	9	V	3.1	9.4	1.45	228
180970057	2013	8	19	10	V	1.8	3.7	1.93	269
180970057	2013	8	19	11	V	2.6	2.9	1.62	267
180970057	2013	8	19	12	V	2.2	2.7	1.87	264
180970057	2013	8	19	13	V	1.5	2.3	1.96	259
180970057	2013	8	19	14	V	1.0	2.2	2.45	269
180970057	2013	8	19	15	V	0.8	2	2.69	270
180970057	2013	8	19	16	V	0.9	2	2.35	273
180970057	2013	8	19	17	V	0.4	1.6	2.49	288
180970057	2013	8	19	18	V	0.5	1.5	3.15	278
180970057	2013	8	19	19	V	0.03	1.4	3.25	295
180970057	2013	8	19	20	V	0.05	1.4	2.66	321
180970057	2013	8	19	21	V	0.2	1.4	1.76	332
180970057	2013	8	19	22	V	0.2	1.4	1.59	335
180970057	2013	8	19	23	V	0.6	1.3	1.25	305
180970057	2013	8	19	24	V	0.9	1.5	1.43	267
180970057	2013	8	20	1	V	0.3	1.7	2.1	250
180970057	2013	8	20	2	V	2.4	1.6	0.84	320
180970057	2013	8	20	3	V	10.4	1.4	0.92	64
180970057	2013	8	20	4	V	0.9	1.3	1.11	305

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	20	5	V	1.4	1.4	0.97	10
180970057	2013	8	20	6	V	1.8	1.4	1.52	113
180970057	2013	8	20	7	V	6.3	1.6	1.13	127
180970057	2013	8	20	8	V	3.6	2.8	1.42	125
180970057	2013	8	20	9	V	2.5	3.1	1.69	135
180970057	2013	8	20	10	V	3.4	3.2	2.16	160
180970057	2013	8	20	11	V	1.5	2.9	3.75	161
180970057	2013	8	20	12	V	0.4	2.5	4.12	148
180970057	2013	8	20	13	V	0.4	2.2	3.56	136
180970057	2013	8	20	14	V	1.0	1.8	4.02	159
180970057	2013	8	20	15	V	0.5	3.3	3.59	126
180970057	2013	8	20	16	V	0.4	2.8	3.63	130
180970057	2013	8	20	17	V	0.3	1.8	3.32	145
180970057	2013	8	20	18	V	0.06	1.8	4.37	121
180970057	2013	8	20	19	V	0.04	1.7	5.27	154
180970057	2013	8	20	20	V	0.06	1.8	4.17	154
180970057	2013	8	20	21	V	0.08	1.6	4.41	166
180970057	2013	8	20	22	V	0.4	1.4	4.22	174
180970057	2013	8	20	23	V	0.06	1.4	3.15	150
180970057	2013	8	20	24	V	0.04	1.2	2.95	148
180970057	2013	8	21	1	V	0.6	1.1	2.69	180
180970057	2013	8	21	2	V	0.1	1	1.99	170
180970057	2013	8	21	3	V	20.8	1	2.27	199
180970057	2013	8	21	4	V	0.1	1	1.84	161
180970057	2013	8	21	5	V	0.05	1.3	2.4	125
180970057	2013	8	21	6	V	1.3	1.2	1.76	138
180970057	2013	8	21	7	V	4.7	1.4	1.72	154
180970057	2013	8	21	8	V	5.1	4.8	1.18	197
180970057	2013	8	21	9	V	3.9	9.9	1.79	222
180970057	2013	8	21	10	V	3.1	29.4	1.93	208
180970057	2013	8	21	11	V	3.2	20	2.03	201
180970057	2013	8	21	12	V	2.1	11.6	1.79	169
180970057	2013	8	21	13	V	4.3	16.7	2.16	188
180970057	2013	8	21	14	V	5.5	7.3	3.12	182
180970057	2013	8	21	15	V	5.6	4.4	3.69	209
180970057	2013	8	21	16	V	0.4	3.1	4.2	236
180970057	2013	8	21	17	V	0.2	2.2	5.05	250
180970057	2013	8	21	18	V	0.7	1.8	4.71	259
180970057	2013	8	21	19	V	0.8	1.8	3.98	249
180970057	2013	8	21	20	V	0.5	1.7	3.52	235
180970057	2013	8	21	21	V	0.6	1.7	2.4	233
180970057	2013	8	21	22	V	1.4	1.7	2.23	246
180970057	2013	8	21	23	V	1.0	1.7	1.65	265
180970057	2013	8	21	24	V	0.9	1.7	2.44	239
180970057	2013	8	22	1	V	0.3	1.4	2.42	246
180970057	2013	8	22	2	V	0.09	1.8	2.98	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	22	3	V	0.3	2.6	2.18	248
180970057	2013	8	22	4	V	0.4	2.5	2.47	249
180970057	2013	8	22	5	V	0.7	3.2	2.16	255
180970057	2013	8	22	6	V	7.5	2.9	2.33	216
180970057	2013	8	22	7	V	8.2	3.4	3.25	214
180970057	2013	8	22	8	V	0.5	3.2	3.51	234
180970057	2013	8	22	9	V	0.5	3.4	4.31	245
180970057	2013	8	22	10	V	0.4	2.6	4.76	251
180970057	2013	8	22	11	V	0.3	2	4.76	266
180970057	2013	8	22	12	V	0.3	1.9	4.56	280
180970057	2013	8	22	13	V	0.2	2.2	5.8	290
180970057	2013	8	22	14	V	0.2	1.8	5.14	325
180970057	2013	8	22	15	V	0.1	1.6	5.56	335
180970057	2013	8	22	16	V	0.1	1.4	6.87	354
180970057	2013	8	22	17	V	0.07	1.1	7.74	355
180970057	2013	8	22	18	V	0.02	1.2	6.12	14
180970057	2013	8	22	19	V	0.06	1.7	3.42	84
180970057	2013	8	22	20	V	0.06	1.3	3.46	152
180970057	2013	8	22	21	V	0.4	1.2	1.31	119
180970057	2013	8	22	22	V	0.7	1.4	1.23	162
180970057	2013	8	22	23	V	0.08	1.3	2.54	352
180970057	2013	8	22	24	V	0.07	1.1	3.81	347
180970057	2013	8	23	1	V	0.05	1	2.89	10
180970057	2013	8	23	2	V	0.08	1.1	1.98	8
180970057	2013	8	23	3	V	0.06	1	2.16	359
180970057	2013	8	23	4	V	0.06	1.1	3.4	28
180970057	2013	8	23	5	V	0.1	1.7	4.25	30
180970057	2013	8	23	6	V	7.2	2	2.98	34
180970057	2013	8	23	7	V	1.3	2.2	2.3	8
180970057	2013	8	23	8	V	4.7	2.4	2.2	24
180970057	2013	8	23	9	V	7.7	8.4	3.32	43
180970057	2013	8	23	10	V	6.3	7.6	3.69	39
180970057	2013	8	23	11	V	4.5	6.7	3.8	34
180970057	2013	8	23	12	V	1.8	3	4.2	20
180970057	2013	8	23	13	V	4.7	1.7	4.54	34
180970057	2013	8	23	14	V	5.0	2	4.7	34
180970057	2013	8	23	15	V	4.5	3.6	3.74	32
180970057	2013	8	23	16	V	5.8	4.5	3.85	34
180970057	2013	8	23	17	V	3.7	4.2	3.68	31
180970057	2013	8	23	18	V	0.03	4.7	4.39	20
180970057	2013	8	23	19	V	0.02	3	4.8	20
180970057	2013	8	23	20	V	0.04	2.4	4.41	30
180970057	2013	8	23	21	V	3.5	2.2	3.61	49
180970057	2013	8	23	22	V	1.9	1.5	3.35	52
180970057	2013	8	23	23	V	0.06	1.4	3.88	62
180970057	2013	8	23	24	V	0.05	1.5	3.9	68

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	24	1	V	0.05	1.6	3.97	78
180970057	2013	8	24	2	V	0.04	1.9	4.22	94
180970057	2013	8	24	3	V	0.04	2.1	3	97
180970057	2013	8	24	4	V	0.04	2.4	3.24	93
180970057	2013	8	24	5	V	0.05	1.5	3.03	80
180970057	2013	8	24	6	V	7.9	1.4	1.71	66
180970057	2013	8	24	7	V	9.0	1.8	1.62	20
180970057	2013	8	24	8	V	6.6	2.3	1.82	47
180970057	2013	8	24	9	V	2.1	2.7	2.37	85
180970057	2013	8	24	10	V	1.6	2.4	2.73	86
180970057	2013	8	24	11	V	1.9	1.9	2.98	81
180970057	2013	8	24	12	V	2.1	2.4	2.4	96
180970057	2013	8	24	13	V	4.2	2.3	1.99	55
180970057	2013	8	24	14	V	3.0	5	1.89	322
180970057	2013	8	24	15	V	1.3	6.1	2.45	282
180970057	2013	8	24	16	V	12.0	3.5	2.16	206
180970057	2013	8	24	17	V	11.9	2.6	2.33	177
180970057	2013	8	24	18	V	0.06	1.5	3.63	158
180970057	2013	8	24	19	V	0.06	1.4	2.84	147
180970057	2013	8	24	20	V	0.2	1.9	2.21	318
180970057	2013	8	24	21	V	0.3	2.2	1.72	335
180970057	2013	8	24	22	V	25.6	3.1	1.18	42
180970057	2013	8	24	23	V	0.9	-999	1.23	94
180970057	2013	8	24	24	V	45.2	1.7	0.63	43
180970057	2013	8	25	1	V	0.4	1.8	1.55	104
180970057	2013	8	25	2	V	0.2	1.4	1.81	107
180970057	2013	8	25	3	V	0.4	1.7	1.52	131
180970057	2013	8	25	4	V	100.6	1.6	1.23	189
180970057	2013	8	25	5	V	1.7	1.9	1.01	140
180970057	2013	8	25	6	V	1.4	2.1	1.93	111
180970057	2013	8	25	7	V	3.4	2.4	1.74	116
180970057	2013	8	25	8	V	1.8	2.3	2.06	131
180970057	2013	8	25	9	V	14.3	19.1	2.45	189
180970057	2013	8	25	10	V	7.8	28.6	3.29	211
180970057	2013	8	25	11	V	4.1	4.4	3.63	217
180970057	2013	8	25	12	V	8.5	16.9	2.86	204
180970057	2013	8	25	13	V	1.3	14	2.86	252
180970057	2013	8	25	14	V	1.8	15.1	2.36	277
180970057	2013	8	25	15	M	-999	31.5	2.36	999
180970057	2013	8	25	16	V	1.3	43.2	2.36	143
180970057	2013	8	25	17	V	1.3	14.6	1.76	153
180970057	2013	8	25	18	V	55.7	6	4.24	189
180970057	2013	8	25	19	V	79.2	4.4	4.1	193
180970057	2013	8	25	20	V	1.8	1.5	3.3	205
180970057	2013	8	25	21	V	1.0	1.5	1.74	237
180970057	2013	8	25	22	V	0.3	1.8	1.96	213

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	25	23	V	6.8	1.7	1.35	210
180970057	2013	8	25	24	V	1.3	1.4	1.25	169
180970057	2013	8	26	1	V	34.4	1.4	1.4	203
180970057	2013	8	26	2	V	0.5	1.3	1.47	228
180970057	2013	8	26	3	V	0.1	1.4	2.13	218
180970057	2013	8	26	4	V	0.5	1.6	1.86	211
180970057	2013	8	26	5	V	0.2	4.1	2.13	237
180970057	2013	8	26	6	V	0.7	4.8	2.73	239
180970057	2013	8	26	7	V	5.4	4.2	2.25	224
180970057	2013	8	26	8	V	5.9	5.3	2.78	218
180970057	2013	8	26	9	V	0.6	5.6	3.73	244
180970057	2013	8	26	10	V	0.4	5.1	5.17	257
180970057	2013	8	26	11	V	0.4	3.7	5.43	257
180970057	2013	8	26	12	V	0.4	2.8	5.63	262
180970057	2013	8	26	13	V	0.4	2.1	5.09	259
180970057	2013	8	26	14	V	0.4	2	4.36	262
180970057	2013	8	26	15	V	0.3	1.7	4.73	268
180970057	2013	8	26	16	V	0.4	2	5.16	249
180970057	2013	8	26	17	V	0.2	2.3	4.97	240
180970057	2013	8	26	18	V	0.2	1.5	5.38	226
180970057	2013	8	26	19	V	0.3	1.3	3.93	226
180970057	2013	8	26	20	V	0.09	1.2	2.96	216
180970057	2013	8	26	21	V	0.09	1.2	2.78	216
180970057	2013	8	26	22	V	0.1	1.2	2.96	214
180970057	2013	8	26	23	V	0.1	1.2	2.62	216
180970057	2013	8	26	24	V	0.1	2.9	2.88	222
180970057	2013	8	27	1	V	0.04	4.8	3.51	219
180970057	2013	8	27	2	V	0.08	2.8	3.73	231
180970057	2013	8	27	3	V	0.2	1.9	3.98	241
180970057	2013	8	27	4	V	0.2	1.8	3.63	244
180970057	2013	8	27	5	V	0.2	1.7	3.44	240
180970057	2013	8	27	6	V	0.4	1.4	3.58	232
180970057	2013	8	27	7	V	0.4	1.4	3.74	232
180970057	2013	8	27	8	V	0.3	1.8	4.03	227
180970057	2013	8	27	9	V	0.6	2.4	4.39	245
180970057	2013	8	27	10	V	0.6	3.1	3.98	256
180970057	2013	8	27	11	V	0.8	3.1	3.57	260
180970057	2013	8	27	12	V	0.6	2.4	4.32	255
180970057	2013	8	27	13	V	0.5	1.9	4.37	257
180970057	2013	8	27	14	V	0.4	1.6	5.67	262
180970057	2013	8	27	15	V	0.4	1.5	5.6	257
180970057	2013	8	27	16	V	0.3	1.4	6.43	252
180970057	2013	8	27	17	V	0.2	2.4	6.36	242
180970057	2013	8	27	18	V	0.3	6.3	5.9	233
180970057	2013	8	27	19	V	0.5	2.3	6.53	245
180970057	2013	8	27	20	V	0.4	1.6	5.14	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	27	21	V	0.3	1.4	3.88	229
180970057	2013	8	27	22	V	0.4	1.3	4.22	231
180970057	2013	8	27	23	V	0.4	1.2	4.12	230
180970057	2013	8	27	24	V	0.4	1.3	4.08	232
180970057	2013	8	28	1	V	0.08	1.2	4.71	231
180970057	2013	8	28	2	V	0.09	1.1	5.02	233
180970057	2013	8	28	3	V	0.2	1.1	4.39	238
180970057	2013	8	28	4	V	0.1	1.2	4.75	235
180970057	2013	8	28	5	V	0.3	1.4	4.71	246
180970057	2013	8	28	6	V	0.2	1.8	4.6	247
180970057	2013	8	28	7	V	0.2	2.3	5.04	242
180970057	2013	8	28	8	V	0.2	3.2	6.69	251
180970057	2013	8	28	9	V	0.2	3	7.2	259
180970057	2013	8	28	10	V	0.2	-999	7.64	272
180970057	2013	8	28	11	V	0.2	2	8.1	280
180970057	2013	8	28	12	V	0.3	2	6.48	284
180970057	2013	8	28	13	V	0.3	2	6.7	273
180970057	2013	8	28	14	V	0.2	1.9	6.45	287
180970057	2013	8	28	15	V	0.2	1.6	6.79	287
180970057	2013	8	28	16	V	0.2	1.5	6.94	278
180970057	2013	8	28	17	V	0.1	1.5	6.84	275
180970057	2013	8	28	18	V	0.07	1.6	5.96	287
180970057	2013	8	28	19	V	0.04	1.5	5.14	330
180970057	2013	8	28	20	V	0.05	1.3	4.66	357
180970057	2013	8	28	21	V	0.08	1.2	3.81	350
180970057	2013	8	28	22	V	0.09	1.1	3.73	340
180970057	2013	8	28	23	V	0.06	1.1	4.37	350
180970057	2013	8	28	24	V	0.05	1.1	3.2	355
180970057	2013	8	29	1	V	0.06	1	2.56	353
180970057	2013	8	29	2	V	0.07	0.9	2.5	357
180970057	2013	8	29	3	V	0.04	0.8	2.88	12
180970057	2013	8	29	4	V	0.04	0.9	3.42	30
180970057	2013	8	29	5	V	0.05	1.2	3.57	27
180970057	2013	8	29	6	V	6.3	1.5	3.49	34
180970057	2013	8	29	7	V	8.5	2	3.44	35
180970057	2013	8	29	8	V	10.3	3	3.85	41
180970057	2013	8	29	9	V	5.8	2.9	3.32	62
180970057	2013	8	29	10	V	1.2	3.9	3.9	78
180970057	2013	8	29	11	V	1.9	4.9	3.15	80
180970057	2013	8	29	12	V	5.2	6	3	46
180970057	2013	8	29	13	V	4.2	4.4	2.69	55
180970057	2013	8	29	14	V	4.5	5.9	2.76	48
180970057	2013	8	29	15	V	4.7	2.7	2.89	60
180970057	2013	8	29	16	V	4.0	4.2	3.64	65
180970057	2013	8	29	17	V	0.8	2.8	2.64	76
180970057	2013	8	29	18	V	0.08	1.6	2.54	88

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	29	19	V	0.08	1.1	2.78	115
180970057	2013	8	29	20	V	0.07	1.1	3.47	106
180970057	2013	8	29	21	V	0.07	1.1	4.39	98
180970057	2013	8	29	22	V	0.06	2.5	3.23	101
180970057	2013	8	29	23	V	0.05	2.5	3.01	106
180970057	2013	8	29	24	V	0.09	4.3	2.37	113
180970057	2013	8	30	1	V	0.08	2.1	2.45	110
180970057	2013	8	30	2	V	0.1	1.5	1.99	119
180970057	2013	8	30	3	V	0.1	1.3	2.04	115
180970057	2013	8	30	4	V	0.07	1.1	2.49	146
180970057	2013	8	30	5	V	0.3	1.3	1.59	137
180970057	2013	8	30	6	V	1.1	1.2	1.98	149
180970057	2013	8	30	7	V	4.1	1.3	1.77	142
180970057	2013	8	30	8	V	9.8	3.5	1.99	164
180970057	2013	8	30	9	V	24.2	37.9	2.33	197
180970057	2013	8	30	10	V	6.8	19	3.39	216
180970057	2013	8	30	11	V	7.0	11.5	3.12	213
180970057	2013	8	30	12	V	1.0	3.7	3.66	238
180970057	2013	8	30	13	V	0.8	2.3	3.88	239
180970057	2013	8	30	14	V	0.7	2.5	3.69	258
180970057	2013	8	30	15	V	0.6	3.2	3.74	278
180970057	2013	8	30	16	V	0.6	2.3	3.47	257
180970057	2013	8	30	17	V	0.3	1.6	3.46	272
180970057	2013	8	30	18	V	0.8	1.8	4.14	243
180970057	2013	8	30	19	V	0.1	2.6	4.68	222
180970057	2013	8	30	20	V	0.2	3	4.02	222
180970057	2013	8	30	21	V	0.09	2.2	4	218
180970057	2013	8	30	22	V	0.4	1.7	3.56	231
180970057	2013	8	30	23	V	0.3	1.8	4.41	228
180970057	2013	8	30	24	V	0.08	1.7	5.39	287
180970057	2013	8	31	1	V	0.2	1.2	2.79	237
180970057	2013	8	31	2	V	0.06	1.3	2.81	289
180970057	2013	8	31	3	V	0.05	1.1	2.96	1
180970057	2013	8	31	4	V	0.07	1.2	2.67	13
180970057	2013	8	31	5	V	0.2	1.2	1.98	320
180970057	2013	8	31	6	V	7.1	1.2	1.06	278
180970057	2013	8	31	7	V	7.0	1.2	1.5	233
180970057	2013	8	31	8	V	15.3	5.4	1.72	216
180970057	2013	8	31	9	V	18.0	12.1	1.79	199
180970057	2013	8	31	10	V	13.1	51.9	2.35	205
180970057	2013	8	31	11	V	11.1	32.8	2.78	208
180970057	2013	8	31	12	V	6.0	7.6	4.09	215
180970057	2013	8	31	13	V	6.8	9.8	4.36	213
180970057	2013	8	31	14	V	0.6	5.7	4.07	260
180970057	2013	8	31	15	V	0.3	2.2	4.82	266
180970057	2013	8	31	16	V	0.2	2.1	7.06	276

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	8	31	17	V	0.1	2.5	8.62	26
180970057	2013	8	31	18	V	0.03	1.8	4.85	88
180970057	2013	8	31	19	V	0.05	1.5	5.26	157
180970057	2013	8	31	20	V	0.03	1.2	6.16	129
180970057	2013	8	31	21	V	0.05	1.2	4.99	135
180970057	2013	8	31	22	V	0.04	1.5	5.44	127
180970057	2013	8	31	23	V	1.0	-999	4.88	177
180970057	2013	8	31	24	V	13.3	5.6	5.89	199
180970057	2013	9	1	1	V	0.6	6.4	4.6	176
180970057	2013	9	1	2	V	0.3	2.1	5	211
180970057	2013	9	1	3	V	26.3	2.4	4.02	199
180970057	2013	9	1	4	V	0.7	2.7	2.15	178
180970057	2013	9	1	5	V	0.5	1.8	1.35	111
180970057	2013	9	1	6	V	0.7	1.2	2.54	149
180970057	2013	9	1	7	V	29.1	1.3	2.4	181
180970057	2013	9	1	8	V	41.2	1.4	2.16	183
180970057	2013	9	1	9	V	14.4	2	2.18	175
180970057	2013	9	1	10	V	15.1	5.4	2.95	211
180970057	2013	9	1	11	V	3.4	4.2	2.91	222
180970057	2013	9	1	12	V	1.4	2.5	3.05	228
180970057	2013	9	1	13	V	0.5	1.8	4.32	245
180970057	2013	9	1	14	V	0.5	1.5	4.26	246
180970057	2013	9	1	15	V	0.3	1.3	3.83	262
180970057	2013	9	1	16	V	0.2	1.2	4.85	268
180970057	2013	9	1	17	V	0.1	1.1	4.31	280
180970057	2013	9	1	18	V	0.9	1.1	2.96	249
180970057	2013	9	1	19	V	0.8	1.1	3.61	259
180970057	2013	9	1	20	V	0.7	1	2.93	268
180970057	2013	9	1	21	V	0.06	0.9	3.2	299
180970057	2013	9	1	22	V	0.2	0.9	2.08	302
180970057	2013	9	1	23	V	0.08	0.9	2.59	289
180970057	2013	9	1	24	V	0.04	1	3.13	327
180970057	2013	9	2	1	V	0.6	0.9	2.47	255
180970057	2013	9	2	2	V	0.05	0.9	3.66	224
180970057	2013	9	2	3	V	0.1	1.1	2.52	210
180970057	2013	9	2	4	V	0.6	1.6	1.81	211
180970057	2013	9	2	5	V	0.1	1.4	2.33	231
180970057	2013	9	2	6	V	0.3	1.3	3.12	240
180970057	2013	9	2	7	V	0.5	1.2	3.46	265
180970057	2013	9	2	8	V	0.5	1	2.91	294
180970057	2013	9	2	9	V	0.8	1	3.03	268
180970057	2013	9	2	10	V	0.5	1	3.73	299
180970057	2013	9	2	11	V	0.4	1	3.9	325
180970057	2013	9	2	12	V	0.3	1.1	4.03	335
180970057	2013	9	2	13	V	0.6	1.1	3.03	344
180970057	2013	9	2	14	V	0.4	1.1	3.08	325

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	2	15	V	0.1	1.1	5.34	327
180970057	2013	9	2	16	V	0.1	1	5.16	327
180970057	2013	9	2	17	V	0.05	1	6.07	337
180970057	2013	9	2	18	V	0.02	1	5.9	332
180970057	2013	9	2	19	V	0.02	1	5.33	351
180970057	2013	9	2	20	V	0.04	0.9	3.85	354
180970057	2013	9	2	21	V	0.03	1	3.05	5
180970057	2013	9	2	22	V	0.02	1	5.02	15
180970057	2013	9	2	23	V	0.01	0.9	5.92	13
180970057	2013	9	2	24	V	0.01	1	5.62	16
180970057	2013	9	3	1	V	0.01	0.9	5.31	13
180970057	2013	9	3	2	V	0.01	0.9	5.68	22
180970057	2013	9	3	3	V	0.01	1	6.16	22
180970057	2013	9	3	4	V	0.02	1	5.31	32
180970057	2013	9	3	5	V	0.6	2.3	4.1	38
180970057	2013	9	3	6	V	0.4	1.2	2.57	17
180970057	2013	9	3	7	V	0.9	1.1	2.42	8
180970057	2013	9	3	8	V	1.2	1.4	2.76	19
180970057	2013	9	3	9	V	7.7	2.5	3.35	37
180970057	2013	9	3	10	V	2.0	4	3.41	22
180970057	2013	9	3	11	V	2.3	2.3	4.03	25
180970057	2013	9	3	12	V	0.4	1.4	4.48	16
180970057	2013	9	3	13	V	0.2	1.2	4.19	358
180970057	2013	9	3	14	V	0.2	1.2	5.02	340
180970057	2013	9	3	15	V	0.2	1.2	4.37	356
180970057	2013	9	3	16	V	0.2	1.2	3.97	336
180970057	2013	9	3	17	V	0.05	1.2	3.54	356
180970057	2013	9	3	18	V	0.05	1.2	3.51	334
180970057	2013	9	3	19	V	0.05	1.1	3.39	341
180970057	2013	9	3	20	V	0.04	1.1	3	332
180970057	2013	9	3	21	V	0.08	1.1	2.33	355
180970057	2013	9	3	22	V	0.7	1.1	2.16	34
180970057	2013	9	3	23	V	15.6	1.1	1.82	52
180970057	2013	9	3	24	V	4.6	1.4	0.7	92
180970057	2013	9	4	1	V	0.7	1.4	1.69	269
180970057	2013	9	4	2	V	0.4	1.5	1.91	250
180970057	2013	9	4	3	V	1.1	1.5	1.55	263
180970057	2013	9	4	4	V	0.5	1.5	1.3	296
180970057	2013	9	4	5	V	0.7	1.6	1.74	254
180970057	2013	9	4	6	V	2.7	1.7	1.04	267
180970057	2013	9	4	7	V	24.1	2	0.53	293
180970057	2013	9	4	8	V	16.2	3.3	0.92	239
180970057	2013	9	4	9	V	3.5	4.6	1.72	242
180970057	2013	9	4	10	V	1.5	2.7	2.32	272
180970057	2013	9	4	11	V	1.1	1.9	2.64	303
180970057	2013	9	4	12	V	0.7	1.8	3.1	329

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	4	13	V	1.2	1.6	2.37	307
180970057	2013	9	4	14	V	1.3	1.5	2.34	291
180970057	2013	9	4	15	V	0.5	1.4	3.36	295
180970057	2013	9	4	16	V	0.4	1.4	3.56	273
180970057	2013	9	4	17	V	0.07	1.4	3.49	290
180970057	2013	9	4	18	V	0.07	1.5	3.51	287
180970057	2013	9	4	19	V	0.3	1.4	3.03	281
180970057	2013	9	4	20	V	0.9	1.4	2.96	262
180970057	2013	9	4	21	V	0.8	1.3	2.59	264
180970057	2013	9	4	22	V	0.8	1.4	2.67	264
180970057	2013	9	4	23	V	1.1	1.4	2.11	262
180970057	2013	9	4	24	V	1.0	1.6	2.72	248
180970057	2013	9	5	1	V	0.2	2.4	2.83	251
180970057	2013	9	5	2	V	0.5	2.7	2.15	268
180970057	2013	9	5	3	V	0.8	2	2.04	271
180970057	2013	9	5	4	V	0.5	1.6	2.47	266
180970057	2013	9	5	5	V	0.9	1.6	2.62	263
180970057	2013	9	5	6	V	0.9	1.4	2.3	256
180970057	2013	9	5	7	V	2.4	1.6	1.81	292
180970057	2013	9	5	8	V	14.6	2.2	1.04	303
180970057	2013	9	5	9	V	14.1	2.3	1.18	342
180970057	2013	9	5	10	V	1.1	2.6	2.78	360
180970057	2013	9	5	11	V	3.7	2.6	3.18	26
180970057	2013	9	5	12	V	5.1	4.4	3.08	30
180970057	2013	9	5	13	V	4.3	4.8	2.13	22
180970057	2013	9	5	14	V	3.0	4.2	1.64	344
180970057	2013	9	5	15	V	1.1	3.6	2.33	327
180970057	2013	9	5	16	V	0.4	3.2	3.17	359
180970057	2013	9	5	17	V	0.07	2.8	3.29	345
180970057	2013	9	5	18	V	0.07	2.3	3.73	345
180970057	2013	9	5	19	V	0.08	2.2	4.09	354
180970057	2013	9	5	20	V	0.07	1.7	3.9	20
180970057	2013	9	5	21	V	0.6	5.2	4.39	38
180970057	2013	9	5	22	V	3.8	2.7	4.02	49
180970057	2013	9	5	23	V	2.8	1.8	3.15	50
180970057	2013	9	5	24	V	3.6	5	3.23	46
180970057	2013	9	6	1	V	0.05	1.7	3.75	80
180970057	2013	9	6	2	V	0.04	1.7	4.42	88
180970057	2013	9	6	3	V	0.04	1.8	3.88	89
180970057	2013	9	6	4	V	0.04	3.1	4.05	99
180970057	2013	9	6	5	V	0.05	2.5	4.24	97
180970057	2013	9	6	6	V	0.2	2	3.64	89
180970057	2013	9	6	7	V	0.5	2.2	3.51	94
180970057	2013	9	6	8	V	0.4	3.4	4.2	99
180970057	2013	9	6	9	V	0.4	4.9	3.9	109
180970057	2013	9	6	10	V	0.5	3.3	3.61	129

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	6	11	V	1.0	2.5	2.73	121
180970057	2013	9	6	12	V	1.1	1.9	2.66	146
180970057	2013	9	6	13	V	1.9	1.6	2.03	137
180970057	2013	9	6	14	V	16.3	3.4	2.03	203
180970057	2013	9	6	15	V	3.9	22.7	1.45	85
180970057	2013	9	6	16	V	12.6	21.4	1.52	211
180970057	2013	9	6	17	V	0.1	16.4	1.77	292
180970057	2013	9	6	18	V	0.7	15.3	1.33	89
180970057	2013	9	6	19	V	0.08	6	2.91	166
180970057	2013	9	6	20	V	0.06	1.9	3.05	150
180970057	2013	9	6	21	V	0.09	2	2.69	124
180970057	2013	9	6	22	V	0.06	1.6	3.39	142
180970057	2013	9	6	23	V	0.07	1.5	2.83	134
180970057	2013	9	6	24	V	0.1	1.6	2.54	140
180970057	2013	9	7	1	V	0.09	1.5	2.44	147
180970057	2013	9	7	2	V	0.4	1.4	1.87	174
180970057	2013	9	7	3	V	0.5	1.4	1.96	175
180970057	2013	9	7	4	V	0.2	1.5	1.89	170
180970057	2013	9	7	5	V	0.1	1.4	1.94	165
180970057	2013	9	7	6	V	1.6	1.4	1.59	152
180970057	2013	9	7	7	V	1.5	1.6	1.99	119
180970057	2013	9	7	8	V	2.5	2.6	1.86	134
180970057	2013	9	7	9	V	71.4	6	2.35	193
180970057	2013	9	7	10	V	0.8	5	3.4	245
180970057	2013	9	7	11	V	0.4	3	5.16	248
180970057	2013	9	7	12	V	0.3	2.9	5.92	253
180970057	2013	9	7	13	V	0.4	3.9	5.43	238
180970057	2013	9	7	14	V	0.7	3.6	4.71	221
180970057	2013	9	7	15	V	0.5	2.9	4.54	236
180970057	2013	9	7	16	V	0.3	2.4	4.58	228
180970057	2013	9	7	17	V	0.08	2.5	5.19	223
180970057	2013	9	7	18	V	0.7	2.1	4.42	238
180970057	2013	9	7	19	V	1.0	1.9	3.39	243
180970057	2013	9	7	20	V	0.1	2.2	3.46	216
180970057	2013	9	7	21	V	0.09	2.2	3.2	218
180970057	2013	9	7	22	V	0.3	1.9	2.76	210
180970057	2013	9	7	23	V	5.4	-999	2.13	205
180970057	2013	9	7	24	V	125.1	2.8	2.2	193
180970057	2013	9	8	1	V	18.6	2	1.43	206
180970057	2013	9	8	2	V	0.3	2.2	2.78	243
180970057	2013	9	8	3	V	0.2	2	3.47	238
180970057	2013	9	8	4	V	0.08	1.7	2.78	222
180970057	2013	9	8	5	V	0.5	1.5	1.62	215
180970057	2013	9	8	6	V	6.2	2.1	1.76	218
180970057	2013	9	8	7	V	48.1	2.8	1.01	198
180970057	2013	9	8	8	V	8.4	4	1.3	119

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	8	9	V	29.9	7.2	1.42	171
180970057	2013	9	8	10	V	15.8	13.5	1.03	152
180970057	2013	9	8	11	V	2.5	15.7	1.42	121
180970057	2013	9	8	12	V	38.5	10.2	2.57	191
180970057	2013	9	8	13	V	0.9	11.1	4.58	217
180970057	2013	9	8	14	V	7.4	2.4	3.3	213
180970057	2013	9	8	15	V	1.0	1.4	2.38	239
180970057	2013	9	8	16	V	0.6	6.9	2.59	257
180970057	2013	9	8	17	V	0.2	7.2	2.69	254
180970057	2013	9	8	18	V	0.2	4.2	2.69	224
180970057	2013	9	8	19	V	0.5	5.5	3.81	233
180970057	2013	9	8	20	V	0.7	2.3	2.64	253
180970057	2013	9	8	21	V	0.06	4.5	3.73	25
180970057	2013	9	8	22	V	0.04	1.6	4.83	75
180970057	2013	9	8	23	V	0.06	1.5	4.02	84
180970057	2013	9	8	24	V	0.04	1.8	3.63	109
180970057	2013	9	9	1	V	0.04	1.2	3.35	130
180970057	2013	9	9	2	V	0.04	1.3	2.89	124
180970057	2013	9	9	3	V	0.04	1.1	2.96	134
180970057	2013	9	9	4	V	0.04	1	3.34	130
180970057	2013	9	9	5	V	0.04	0.9	2.89	145
180970057	2013	9	9	6	V	0.7	0.9	2.55	158
180970057	2013	9	9	7	V	8.4	1.1	2.4	166
180970057	2013	9	9	8	V	2.9	1.6	2.93	162
180970057	2013	9	9	9	V	23.2	4.3	3.85	179
180970057	2013	9	9	10	V	43.1	45.9	4.85	188
180970057	2013	9	9	11	V	31.9	36.8	5.58	199
180970057	2013	9	9	12	V	23.0	22.7	6.16	201
180970057	2013	9	9	13	V	16.2	13.2	6.55	203
180970057	2013	9	9	14	V	3.4	6.1	7.2	209
180970057	2013	9	9	15	V	0.2	5.3	6.74	219
180970057	2013	9	9	16	V	9.7	4.9	7.03	204
180970057	2013	9	9	17	V	0.07	5.4	7.18	215
180970057	2013	9	9	18	V	1.0	6.1	6.77	206
180970057	2013	9	9	19	V	0.9	6	5.67	206
180970057	2013	9	9	20	V	3.4	2.7	4.63	204
180970057	2013	9	9	21	V	11.3	3.5	3.95	202
180970057	2013	9	9	22	V	32.8	4.6	4.1	199
180970057	2013	9	9	23	V	2.1	4.6	4.56	205
180970057	2013	9	9	24	V	0.4	4.3	4.12	209
180970057	2013	9	10	1	V	1.7	5.4	4.12	206
180970057	2013	9	10	2	V	0.1	4.4	3.83	212
180970057	2013	9	10	3	V	0.2	8	3.34	211
180970057	2013	9	10	4	V	0.06	6.8	3.42	220
180970057	2013	9	10	5	V	0.07	6.9	3.27	215
180970057	2013	9	10	6	V	10.3	7.1	2.71	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	10	7	V	41.1	6.8	2.78	205
180970057	2013	9	10	8	V	28.4	12.4	2.52	211
180970057	2013	9	10	9	V	0.3	11.3	4.65	229
180970057	2013	9	10	10	V	0.5	5.3	4.22	231
180970057	2013	9	10	11	V	0.7	3.5	3.73	232
180970057	2013	9	10	12	V	0.8	2.7	3.41	240
180970057	2013	9	10	13	V	0.9	2	3.93	227
180970057	2013	9	10	14	V	0.4	1.6	4.92	228
180970057	2013	9	10	15	V	0.4	1.4	5.21	245
180970057	2013	9	10	16	V	0.4	1.4	4.9	254
180970057	2013	9	10	17	V	0.1	1.4	4.12	231
180970057	2013	9	10	18	V	16.3	3.8	7.47	188
180970057	2013	9	10	19	V	0.5	18.5	7.3	245
180970057	2013	9	10	20	V	0.5	2.4	3.88	234
180970057	2013	9	10	21	V	41.9	4.1	4.02	199
180970057	2013	9	10	22	V	78.8	10.8	3.47	195
180970057	2013	9	10	23	V	0.2	8.8	3.86	212
180970057	2013	9	10	24	V	72.1	14.7	3.27	195
180970057	2013	9	11	1	V	0.09	7.3	2.93	229
180970057	2013	9	11	2	V	0.4	13.2	3.05	210
180970057	2013	9	11	3	V	0.5	7.8	3.69	210
180970057	2013	9	11	4	V	0.1	5.3	2.96	228
180970057	2013	9	11	5	V	0.09	5.3	3.59	227
180970057	2013	9	11	6	V	2.4	5.1	2.98	216
180970057	2013	9	11	7	V	11.5	4.6	2.72	214
180970057	2013	9	11	8	V	16.4	5.4	3.37	211
180970057	2013	9	11	9	V	0.4	6	4.73	231
180970057	2013	9	11	10	V	0.6	4.6	4.12	244
180970057	2013	9	11	11	V	0.8	4	3.39	239
180970057	2013	9	11	12	V	0.6	3	4.02	252
180970057	2013	9	11	13	V	0.4	2.1	5.26	258
180970057	2013	9	11	14	V	0.4	1.9	5.92	256
180970057	2013	9	11	15	V	0.3	2.1	6.16	257
180970057	2013	9	11	16	V	0.3	1.8	7.11	258
180970057	2013	9	11	17	V	0.6	1.5	7.47	254
180970057	2013	9	11	18	V	0.6	1.6	6.77	249
180970057	2013	9	11	19	V	0.6	1.6	5.34	246
180970057	2013	9	11	20	V	0.09	1.7	3.71	215
180970057	2013	9	11	21	V	0.09	2	3.68	214
180970057	2013	9	11	22	V	0.3	1.6	3.37	226
180970057	2013	9	11	23	V	0.5	1.6	3.42	235
180970057	2013	9	11	24	V	0.5	1.5	3.15	232
180970057	2013	9	12	1	V	0.1	1.5	3.59	232
180970057	2013	9	12	2	V	0.3	1.9	3.93	244
180970057	2013	9	12	3	V	0.1	1.9	3.03	283
180970057	2013	9	12	4	V	0.2	1.6	3.13	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	12	5	V	0.7	1.5	3.73	274
180970057	2013	9	12	6	V	0.3	1.5	3.23	350
180970057	2013	9	12	7	V	3.1	1.1	1.81	317
180970057	2013	9	12	8	V	2.8	1.1	1.96	219
180970057	2013	9	12	9	V	0.7	1.1	3.07	239
180970057	2013	9	12	10	V	0.5	1	3.68	249
180970057	2013	9	12	11	V	0.4	1.1	3.8	257
180970057	2013	9	12	12	V	0.3	1.1	4.07	279
180970057	2013	9	12	13	V	0.4	1.2	4.09	274
180970057	2013	9	12	14	V	0.3	1.2	4.36	283
180970057	2013	9	12	15	V	0.3	1.3	5.27	270
180970057	2013	9	12	16	V	0.3	1.2	5.58	263
180970057	2013	9	12	17	V	0.7	1.3	6.58	260
180970057	2013	9	12	18	V	0.7	1.4	6.92	257
180970057	2013	9	12	19	V	0.7	1.3	6.01	267
180970057	2013	9	12	20	V	0.02	1.3	7.52	324
180970057	2013	9	12	21	V	0.02	1.2	7.93	331
180970057	2013	9	12	22	V	0.02	1.2	7.33	346
180970057	2013	9	12	23	V	0.02	1.2	7.33	354
180970057	2013	9	12	24	V	0.02	1.2	6.62	354
180970057	2013	9	13	1	V	0.01	1.2	6.58	358
180970057	2013	9	13	2	V	0.01	1.2	5.55	2
180970057	2013	9	13	3	V	0.01	1.1	5.22	10
180970057	2013	9	13	4	V	0.01	1.1	5.28	15
180970057	2013	9	13	5	V	0.02	1	4.32	15
180970057	2013	9	13	6	V	0.2	1.1	3.15	359
180970057	2013	9	13	7	V	0.3	1.1	3.63	2
180970057	2013	9	13	8	V	0.2	1.2	4.76	13
180970057	2013	9	13	9	V	0.1	1.2	6.3	16
180970057	2013	9	13	10	V	0.1	1.1	6.09	6
180970057	2013	9	13	11	V	0.09	1.1	7.47	352
180970057	2013	9	13	12	V	0.1	1.1	6.98	358
180970057	2013	9	13	13	V	0.08	1.1	7.82	350
180970057	2013	9	13	14	V	0.1	1.1	6.81	344
180970057	2013	9	13	15	V	0.1	1.1	6.19	349
180970057	2013	9	13	16	V	0.07	1.1	5.79	359
180970057	2013	9	13	17	V	0.02	1.1	6.29	356
180970057	2013	9	13	18	V	0.02	1.1	5.21	350
180970057	2013	9	13	19	V	0.02	1.2	4.68	359
180970057	2013	9	13	20	V	0.02	1.3	5.28	357
180970057	2013	9	13	21	V	0.02	1.3	5.17	358
180970057	2013	9	13	22	V	0.02	1.3	5.05	9
180970057	2013	9	13	23	V	0.02	1.2	4.34	19
180970057	2013	9	13	24	V	0.8	4	4.22	39
180970057	2013	9	14	1	V	3.0	2.5	3.83	50
180970057	2013	9	14	2	V	1.5	1.7	3.25	52

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	14	3	V	3.5	1.4	2.95	50
180970057	2013	9	14	4	V	0.04	1.3	3.37	60
180970057	2013	9	14	5	V	0.04	1.3	2.93	59
180970057	2013	9	14	6	V	5.0	1.4	2.93	60
180970057	2013	9	14	7	V	2.4	1.5	2.86	68
180970057	2013	9	14	8	V	0.5	1.7	3.01	79
180970057	2013	9	14	9	V	0.3	1.9	2.62	90
180970057	2013	9	14	10	V	0.4	1.8	2.4	95
180970057	2013	9	14	11	V	0.3	1.6	2.62	137
180970057	2013	9	14	12	V	1.8	1.4	2.67	75
180970057	2013	9	14	13	V	1.4	1.3	2.4	79
180970057	2013	9	14	14	V	1.0	1.3	2.59	79
180970057	2013	9	14	15	V	0.2	1.2	2.55	106
180970057	2013	9	14	16	V	0.1	1.2	2.06	155
180970057	2013	9	14	17	V	4.3	1.7	1.62	183
180970057	2013	9	14	18	V	2.8	1.5	2.13	183
180970057	2013	9	14	19	V	0.02	1.4	2.28	169
180970057	2013	9	14	20	V	0.08	1.6	1.69	124
180970057	2013	9	14	21	V	0.03	1.7	2.14	116
180970057	2013	9	14	22	V	0.02	1.6	3.36	130
180970057	2013	9	14	23	V	0.01	-999	3.36	162
180970057	2013	9	14	24	V	0.01	1.3	2.86	160
180970057	2013	9	15	1	V	0.01	1.3	2.86	164
180970057	2013	9	15	2	V	1.0	1.5	2.36	182
180970057	2013	9	15	3	V	0.3	1.5	1.28	212
180970057	2013	9	15	4	V	0.05	1.5	1.91	170
180970057	2013	9	15	5	V	0.04	1.6	2.04	145
180970057	2013	9	15	6	V	0.3	1.6	1.67	136
180970057	2013	9	15	7	V	0.5	1.5	1.43	133
180970057	2013	9	15	8	V	0.3	2	2.01	142
180970057	2013	9	15	9	V	0.5	2.6	2.06	159
180970057	2013	9	15	10	V	4.4	3.9	2.59	188
180970057	2013	9	15	11	V	1.6	3.8	4.1	199
180970057	2013	9	15	12	V	0.9	4.7	4.29	202
180970057	2013	9	15	13	V	0.1	3.7	4.2	216
180970057	2013	9	15	14	V	0.4	3.3	4.73	205
180970057	2013	9	15	15	V	0.5	5	5.45	203
180970057	2013	9	15	16	V	0.04	3.7	6.11	210
180970057	2013	9	15	17	V	0.1	3.6	6.23	225
180970057	2013	9	15	18	V	0.04	3.1	5.34	219
180970057	2013	9	15	19	V	0.4	5.5	3.97	207
180970057	2013	9	15	20	V	0.07	7.4	1.62	288
180970057	2013	9	15	21	V	7.1	5.6	0.96	63
180970057	2013	9	15	22	V	0.9	2.5	2.47	37
180970057	2013	9	15	23	V	0.2	1.7	5.07	34
180970057	2013	9	15	24	V	0.01	1.3	5.62	28

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	16	1	V	1.1	3.3	5.46	42
180970057	2013	9	16	2	V	0.05	1.4	3.52	71
180970057	2013	9	16	3	V	0.06	1.2	2.52	86
180970057	2013	9	16	4	V	2.6	1.3	2.78	54
180970057	2013	9	16	5	V	0.3	2.7	3.93	32
180970057	2013	9	16	6	V	7.2	2.2	3.73	38
180970057	2013	9	16	7	V	1.2	1.4	4.49	29
180970057	2013	9	16	8	V	3.2	1.5	5.05	33
180970057	2013	9	16	9	V	5.2	2	5.73	37
180970057	2013	9	16	10	V	12.3	7.8	5.6	42
180970057	2013	9	16	11	V	13.4	4.1	5.38	44
180970057	2013	9	16	12	V	7.4	3.5	5.16	37
180970057	2013	9	16	13	V	9.2	2.8	5.44	39
180970057	2013	9	16	14	V	10.3	4.5	5.31	40
180970057	2013	9	16	15	V	0.8	1.9	5.68	28
180970057	2013	9	16	16	V	0.8	2	6.31	31
180970057	2013	9	16	17	V	0.03	1.4	6.48	26
180970057	2013	9	16	18	V	0.02	1.4	5.77	27
180970057	2013	9	16	19	V	0.2	1.8	5.63	38
180970057	2013	9	16	20	V	1.9	3.3	4.36	42
180970057	2013	9	16	21	V	3.3	4.9	4.29	50
180970057	2013	9	16	22	V	3.8	7.6	3.63	46
180970057	2013	9	16	23	V	3.9	3.4	3.75	47
180970057	2013	9	16	24	V	0.2	1.8	3.2	57
180970057	2013	9	17	1	V	0.04	1.5	3.68	70
180970057	2013	9	17	2	V	0.04	1.4	4.95	80
180970057	2013	9	17	3	V	0.03	1.3	4.56	79
180970057	2013	9	17	4	V	0.04	1.2	4.24	80
180970057	2013	9	17	5	V	0.03	1.2	4.63	79
180970057	2013	9	17	6	V	0.2	1.2	3.78	79
180970057	2013	9	17	7	V	0.4	1.2	3.75	75
180970057	2013	9	17	8	V	0.3	1.5	4.05	84
180970057	2013	9	17	9	V	0.3	2	4.09	99
180970057	2013	9	17	10	V	0.3	2.2	3.9	101
180970057	2013	9	17	11	V	0.3	2.5	3.9	112
180970057	2013	9	17	12	V	0.2	2.3	4.24	112
180970057	2013	9	17	13	V	0.2	1.7	4.2	109
180970057	2013	9	17	14	V	0.2	1.4	4.1	107
180970057	2013	9	17	15	V	0.2	1.4	3.95	92
180970057	2013	9	17	16	V	0.1	1.5	4	84
180970057	2013	9	17	17	V	0.07	1.6	3.97	87
180970057	2013	9	17	18	V	0.05	1.7	3.91	93
180970057	2013	9	17	19	V	0.06	1.7	3.3	101
180970057	2013	9	17	20	V	0.06	2.3	3.3	108
180970057	2013	9	17	21	V	0.06	3.3	2.9	114
180970057	2013	9	17	22	V	0.07	2.7	2.45	111

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	17	23	V	0.1	3.2	2.06	106
180970057	2013	9	17	24	V	0.09	3.7	2.25	101
180970057	2013	9	18	1	V	0.06	4	3.32	119
180970057	2013	9	18	2	V	0.04	3.1	3.73	131
180970057	2013	9	18	3	V	0.04	2.7	3.63	135
180970057	2013	9	18	4	V	0.05	2.5	2.23	120
180970057	2013	9	18	5	V	0.1	3.2	1.77	107
180970057	2013	9	18	6	V	0.3	3.6	2.1	101
180970057	2013	9	18	7	V	1.2	4	1.94	114
180970057	2013	9	18	8	V	1.7	4.5	1.96	125
180970057	2013	9	18	9	V	2.4	5.1	2.06	154
180970057	2013	9	18	10	V	31.0	6.6	2.03	184
180970057	2013	9	18	11	V	2.4	4.8	3.17	216
180970057	2013	9	18	12	V	10.4	5.1	2.49	209
180970057	2013	9	18	13	V	4.3	4.2	2.79	214
180970057	2013	9	18	14	V	18.6	4.3	2.89	194
180970057	2013	9	18	15	V	18.9	8.3	3.01	194
180970057	2013	9	18	16	V	0.8	6.7	2.74	216
180970057	2013	9	18	17	V	12.7	11.2	4.05	201
180970057	2013	9	18	18	V	0.2	3.4	4.82	210
180970057	2013	9	18	19	V	4.3	2.1	5.34	201
180970057	2013	9	18	20	V	9.5	2.9	5.21	187
180970057	2013	9	18	21	V	3.5	6.7	4.75	183
180970057	2013	9	18	22	V	0.05	2.5	4.61	174
180970057	2013	9	18	23	V	0.03	1.6	4.12	170
180970057	2013	9	18	24	V	0.05	1.5	3.64	173
180970057	2013	9	19	1	V	0.05	1.3	3.78	172
180970057	2013	9	19	2	V	0.9	1.5	3.3	178
180970057	2013	9	19	3	V	17.7	2	3.35	187
180970057	2013	9	19	4	V	1.7	2.8	4.27	206
180970057	2013	9	19	5	V	0.3	1.9	5.09	247
180970057	2013	9	19	6	V	0.3	1.1	3.37	218
180970057	2013	9	19	7	V	33.8	1.9	2.78	190
180970057	2013	9	19	8	V	4.2	1.3	2.72	214
180970057	2013	9	19	9	V	1.3	1.4	2.28	229
180970057	2013	9	19	10	V	12.0	1.6	5.43	184
180970057	2013	9	19	11	V	21.8	2.4	6.77	194
180970057	2013	9	19	12	V	5.6	5.6	6.4	203
180970057	2013	9	19	13	V	22.5	27.5	6.41	189
180970057	2013	9	19	14	V	17.3	35	5.63	187
180970057	2013	9	19	15	V	16.9	23.8	6.01	198
180970057	2013	9	19	16	V	13.7	12.8	5.38	199
180970057	2013	9	19	17	V	4.2	9.7	5.6	202
180970057	2013	9	19	18	V	7.2	7.1	5.24	186
180970057	2013	9	19	19	V	0.03	3.8	4.82	169
180970057	2013	9	19	20	V	0.03	2.1	4.68	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	19	21	V	1.8	1.7	4.56	181
180970057	2013	9	19	22	V	3.2	3.1	4.36	182
180970057	2013	9	19	23	V	13.6	5.7	4.85	188
180970057	2013	9	19	24	V	0.5	5.4	5.48	206
180970057	2013	9	20	1	V	0.3	2.5	4.63	208
180970057	2013	9	20	2	V	28.5	3.4	4.02	191
180970057	2013	9	20	3	V	6.7	3.9	3.66	184
180970057	2013	9	20	4	V	14.3	5.1	4.83	197
180970057	2013	9	20	5	V	28.2	7.8	3.93	189
180970057	2013	9	20	6	V	9.8	8	3.37	179
180970057	2013	9	20	7	V	37.3	8.6	2.9	187
180970057	2013	9	20	8	V	32.7	8.2	3.71	188
180970057	2013	9	20	9	V	13.0	7.9	5.12	201
180970057	2013	9	20	10	V	0.3	5.4	5.75	214
180970057	2013	9	20	11	V	0.1	3.6	5.85	214
180970057	2013	9	20	12	V	0.07	2.6	6.31	219
180970057	2013	9	20	13	V	0.08	2.3	6.09	223
180970057	2013	9	20	14	V	0.1	2.1	6.26	214
180970057	2013	9	20	15	V	0.06	2.1	5.63	222
180970057	2013	9	20	16	V	0.08	1.6	5.43	227
180970057	2013	9	20	17	V	0.3	1.3	6.21	233
180970057	2013	9	20	18	V	0.6	1.1	5.14	241
180970057	2013	9	20	19	V	0.6	1	4.07	237
180970057	2013	9	20	20	V	0.9	1	3.61	245
180970057	2013	9	20	21	V	0.9	1	3.74	244
180970057	2013	9	20	22	V	0.9	1	3.56	243
180970057	2013	9	20	23	V	0.9	1	3.39	247
180970057	2013	9	20	24	V	0.05	1	4.42	307
180970057	2013	9	21	1	V	0.05	1	4	317
180970057	2013	9	21	2	V	0.02	1	5.56	329
180970057	2013	9	21	3	V	0.05	1	3.8	313
180970057	2013	9	21	4	V	0.05	1	4.31	318
180970057	2013	9	21	5	V	0.05	1	3.8	321
180970057	2013	9	21	6	V	0.1	1.1	3.98	315
180970057	2013	9	21	7	V	0.2	1.1	4.26	311
180970057	2013	9	21	8	V	0.2	1.3	4.71	312
180970057	2013	9	21	9	V	0.1	1.7	5.09	313
180970057	2013	9	21	10	V	0.1	1.9	5.5	322
180970057	2013	9	21	11	V	0.1	1.9	5.63	320
180970057	2013	9	21	12	V	0.1	1.7	6.46	324
180970057	2013	9	21	13	V	0.09	1.5	7.08	322
180970057	2013	9	21	14	V	0.09	1.4	6.94	325
180970057	2013	9	21	15	V	0.08	1.3	6.35	330
180970057	2013	9	21	16	V	0.05	1.2	6.69	313
180970057	2013	9	21	17	V	0.01	1.2	5.97	308
180970057	2013	9	21	18	V	0.01	1.1	5.9	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	21	19	V	0.03	1.1	4.1	323
180970057	2013	9	21	20	V	0.03	1.1	3.03	318
180970057	2013	9	21	21	V	0.03	1.2	3.25	345
180970057	2013	9	21	22	V	0.03	1.1	3.97	16
180970057	2013	9	21	23	V	0.02	-999	3.88	23
180970057	2013	9	21	24	V	0.03	1.1	2.71	23
180970057	2013	9	22	1	V	0.03	1.1	2.76	19
180970057	2013	9	22	2	V	0.03	1	2.84	10
180970057	2013	9	22	3	V	0.05	1.1	2.44	360
180970057	2013	9	22	4	V	0.09	1.1	1.98	331
180970057	2013	9	22	5	V	0.08	1.1	1.99	331
180970057	2013	9	22	6	V	0.3	1.1	1.67	337
180970057	2013	9	22	7	V	1.9	1.2	1.4	325
180970057	2013	9	22	8	V	1.3	1.7	2.27	8
180970057	2013	9	22	9	V	4.9	2.2	3.05	30
180970057	2013	9	22	10	V	8.9	13.7	2.78	38
180970057	2013	9	22	11	V	7.0	6.7	3.01	35
180970057	2013	9	22	12	V	7.2	3.2	2.69	37
180970057	2013	9	22	13	V	5.5	1.8	2.83	32
180970057	2013	9	22	14	V	0.4	1.4	2.91	5
180970057	2013	9	22	15	V	1.3	1.6	3	21
180970057	2013	9	22	16	V	3.3	4.8	3.22	32
180970057	2013	9	22	17	V	0.03	1.8	3.17	9
180970057	2013	9	22	18	V	0.5	1.2	3.32	39
180970057	2013	9	22	19	V	0.9	1.2	3.61	40
180970057	2013	9	22	20	V	0.03	1.2	3.03	32
180970057	2013	9	22	21	V	1.9	1.6	2.88	41
180970057	2013	9	22	22	V	0.1	1.6	2.47	33
180970057	2013	9	22	23	V	0.1	1.7	3.13	37
180970057	2013	9	22	24	V	7.9	1.3	2.69	46
180970057	2013	9	23	1	V	1.6	1.2	2.62	39
180970057	2013	9	23	2	V	0.4	1.3	3.91	38
180970057	2013	9	23	3	V	1.1	1.6	4.05	40
180970057	2013	9	23	4	V	3.2	1.2	3.07	45
180970057	2013	9	23	5	V	0.06	1.1	2.67	69
180970057	2013	9	23	6	V	0.2	1.1	2.81	85
180970057	2013	9	23	7	V	1.0	1.3	2.5	88
180970057	2013	9	23	8	V	0.9	2.4	3	96
180970057	2013	9	23	9	V	0.4	6.5	3.91	122
180970057	2013	9	23	10	V	0.4	-999	3.9	131
180970057	2013	9	23	11	V	0.5	-999	3.59	130
180970057	2013	9	23	12	V	0.5	4.3	3.64	110
180970057	2013	9	23	13	V	0.4	3	3.9	99
180970057	2013	9	23	14	V	0.3	1.8	3.8	89
180970057	2013	9	23	15	V	0.2	1.7	4.05	99
180970057	2013	9	23	16	V	0.1	1.7	4.14	85

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	23	17	V	0.06	1.6	4.22	82
180970057	2013	9	23	18	V	0.05	1.7	4.1	99
180970057	2013	9	23	19	V	0.05	1.6	3.85	99
180970057	2013	9	23	20	V	0.05	1.7	3.27	102
180970057	2013	9	23	21	V	0.05	2	4.15	108
180970057	2013	9	23	22	V	0.04	2	3.54	105
180970057	2013	9	23	23	V	0.04	1.5	4.46	102
180970057	2013	9	23	24	V	0.04	1.4	4.39	100
180970057	2013	9	24	1	V	0.04	1.7	3.98	104
180970057	2013	9	24	2	V	0.03	1.5	3.46	105
180970057	2013	9	24	3	V	0.04	1.6	3.88	103
180970057	2013	9	24	4	V	0.04	1.6	4.14	101
180970057	2013	9	24	5	V	0.05	1.4	4.22	95
180970057	2013	9	24	6	V	0.2	1.5	3.88	89
180970057	2013	9	24	7	V	0.4	1.9	3.74	88
180970057	2013	9	24	8	V	0.4	6	3.88	91
180970057	2013	9	24	9	V	0.3	6.1	4.59	100
180970057	2013	9	24	10	V	0.3	4	4.39	106
180970057	2013	9	24	11	V	0.3	3.2	4.51	113
180970057	2013	9	24	12	V	0.3	2.8	4.85	116
180970057	2013	9	24	13	V	0.4	2.5	3.95	111
180970057	2013	9	24	14	V	0.6	2.2	3.08	113
180970057	2013	9	24	15	V	0.6	2	2.69	103
180970057	2013	9	24	16	V	0.3	1.9	2.42	118
180970057	2013	9	24	17	V	0.2	2	2.23	146
180970057	2013	9	24	18	V	0.2	2.5	1.93	148
180970057	2013	9	24	19	V	0.1	2.1	2.23	150
180970057	2013	9	24	20	V	0.1	1.7	2.33	86
180970057	2013	9	24	21	V	0.08	3	4.09	96
180970057	2013	9	24	22	V	0.07	2.7	3.4	100
180970057	2013	9	24	23	V	0.05	1.5	3.17	75
180970057	2013	9	24	24	V	0.08	1.4	3.49	81
180970057	2013	9	25	1	V	0.07	1.6	3.53	91
180970057	2013	9	25	2	V	0.07	2.2	2.86	90
180970057	2013	9	25	3	V	0.07	2.5	3.21	81
180970057	2013	9	25	4	V	0.05	3	2.76	73
180970057	2013	9	25	5	V	0.08	4.3	2.74	74
180970057	2013	9	25	6	V	5.8	4.2	3.05	59
180970057	2013	9	25	7	V	13.1	3.2	3.44	43
180970057	2013	9	25	8	V	15.9	3.4	2.93	46
180970057	2013	9	25	9	V	15.3	5	2.83	40
180970057	2013	9	25	10	V	14.0	5.4	2.95	54
180970057	2013	9	25	11	V	0.4	4.4	3.88	84
180970057	2013	9	25	12	V	0.5	6.6	4.36	75
180970057	2013	9	25	13	V	6.6	6.2	3.4	59
180970057	2013	9	25	14	V	7.4	8.7	2.67	53

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	25	15	V	2.7	4.1	2.13	76
180970057	2013	9	25	16	V	3.9	7.9	2.37	30
180970057	2013	9	25	17	V	0.1	2.6	2.44	3
180970057	2013	9	25	18	V	0.07	2	3.81	32
180970057	2013	9	25	19	V	0.3	1.8	3.73	37
180970057	2013	9	25	20	V	0.6	12	4.09	38
180970057	2013	9	25	21	V	3.8	24.2	3.92	46
180970057	2013	9	25	22	V	0.8	3.8	3.35	54
180970057	2013	9	25	23	V	0.2	2.7	2.74	35
180970057	2013	9	25	24	V	0.2	2.1	2.67	35
180970057	2013	9	26	1	V	6.0	2.5	2.86	48
180970057	2013	9	26	2	V	2.8	2.2	3.24	44
180970057	2013	9	26	3	V	5.0	1.9	2.3	40
180970057	2013	9	26	4	V	7.6	1.9	2.1	40
180970057	2013	9	26	5	V	0.1	1.6	2.67	33
180970057	2013	9	26	6	V	0.3	1.5	2.16	24
180970057	2013	9	26	7	V	3.4	1.4	3.37	30
180970057	2013	9	26	8	V	10.2	2.2	3.88	40
180970057	2013	9	26	9	V	14.8	4	2.13	35
180970057	2013	9	26	10	V	13.7	14.2	1.42	28
180970057	2013	9	26	11	V	8.2	17.7	2.54	53
180970057	2013	9	26	12	V	8.7	5.4	3.3	49
180970057	2013	9	26	13	V	0.5	4	3.37	98
180970057	2013	9	26	14	V	1.1	3.7	3.12	79
180970057	2013	9	26	15	V	1.3	4	2.67	78
180970057	2013	9	26	16	V	0.3	3.9	2.57	81
180970057	2013	9	26	17	V	0.2	2.7	2.23	93
180970057	2013	9	26	18	V	0.08	4.1	2.81	93
180970057	2013	9	26	19	V	0.3	3.9	1.84	74
180970057	2013	9	26	20	V	22.5	3.5	1.55	45
180970057	2013	9	26	21	V	14.0	3.1	2.16	50
180970057	2013	9	26	22	V	0.4	2.9	1.64	77
180970057	2013	9	26	23	V	0.5	3.1	1.5	78
180970057	2013	9	26	24	V	3.7	1.9	1.35	63
180970057	2013	9	27	1	V	14.0	1.8	2.16	44
180970057	2013	9	27	2	V	0.04	1.7	2.95	61
180970057	2013	9	27	3	V	0.07	1.4	2.49	65
180970057	2013	9	27	4	V	2.2	1.5	1.82	60
180970057	2013	9	27	5	V	14.0	1.4	2.16	44
180970057	2013	9	27	6	V	6.0	1.5	2.27	38
180970057	2013	9	27	7	V	8.8	1.6	2.61	36
180970057	2013	9	27	8	V	14.1	1.6	2.86	42
180970057	2013	9	27	9	V	15.1	2.3	1.76	63
180970057	2013	9	27	10	V	17.8	7.4	0.96	101
180970057	2013	9	27	11	V	14.1	12.6	0.94	21
180970057	2013	9	27	12	V	10.2	14	1.14	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	27	13	V	3.2	6.6	2.04	79
180970057	2013	9	27	14	V	1.5	5	2.11	91
180970057	2013	9	27	15	V	0.8	3.3	2.15	100
180970057	2013	9	27	16	V	0.3	2.4	2.62	93
180970057	2013	9	27	17	V	0.1	2.2	2.4	100
180970057	2013	9	27	18	V	0.07	1.5	2.84	106
180970057	2013	9	27	19	V	0.1	1.7	2.35	94
180970057	2013	9	27	20	V	29.5	2	2.1	184
180970057	2013	9	27	21	V	0.4	1.9	1.62	165
180970057	2013	9	27	22	V	1.0	1.8	1.28	124
180970057	2013	9	27	23	V	0.1	2.9	2.23	127
180970057	2013	9	27	24	V	0.07	2	2.74	136
180970057	2013	9	28	1	V	0.7	1.8	1.38	132
180970057	2013	9	28	2	V	0.7	1.7	1.35	101
180970057	2013	9	28	3	V	2.6	1.7	0.94	93
180970057	2013	9	28	4	V	1.0	1.9	1.21	108
180970057	2013	9	28	5	V	0.5	2	1.48	81
180970057	2013	9	28	6	V	0.5	2	1.74	76
180970057	2013	9	28	7	V	1.9	2.9	1.86	90
180970057	2013	9	28	8	V	2.6	7.4	1.88	108
180970057	2013	9	28	9	V	2.0	4.5	2.59	122
180970057	2013	9	28	10	V	32.5	4	2.66	177
180970057	2013	9	28	11	V	1.9	19	3.22	164
180970057	2013	9	28	12	V	18.8	6.8	3.9	181
180970057	2013	9	28	13	V	23.9	23.1	5.02	201
180970057	2013	9	28	14	V	24.1	5.7	5.36	201
180970057	2013	9	28	15	V	37.8	9.2	4.94	196
180970057	2013	9	28	16	V	27.6	11.6	5.41	186
180970057	2013	9	28	17	V	8.2	16.6	5.33	184
180970057	2013	9	28	18	V	0.5	10.6	4.85	177
180970057	2013	9	28	19	V	0.06	6.8	4.56	173
180970057	2013	9	28	20	V	2.7	12.7	4.14	180
180970057	2013	9	28	21	V	4.2	15.9	4.71	182
180970057	2013	9	28	22	V	5.6	32	4.39	182
180970057	2013	9	28	23	V	5.4	-999	4.56	183
180970057	2013	9	28	24	V	18.6	8	3.73	186
180970057	2013	9	29	1	V	43.0	19.8	3.07	189
180970057	2013	9	29	2	V	4.3	14.4	3.32	182
180970057	2013	9	29	3	V	10.3	21.3	3.08	183
180970057	2013	9	29	4	V	20.2	14.6	3.2	185
180970057	2013	9	29	5	V	50.0	8.1	3.66	195
180970057	2013	9	29	6	V	1.3	4.8	3.66	211
180970057	2013	9	29	7	V	0.2	3	4.03	220
180970057	2013	9	29	8	V	1.5	1.5	4.31	212
180970057	2013	9	29	9	V	26.6	1.5	3.83	202
180970057	2013	9	29	10	V	31.6	1.5	3.8	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	9	29	11	V	4.1	1.3	4.31	211
180970057	2013	9	29	12	V	0.2	1.1	5.24	232
180970057	2013	9	29	13	V	0.2	1	4.12	224
180970057	2013	9	29	14	V	0.4	0.9	3.9	235
180970057	2013	9	29	15	V	0.5	0.9	2.22	272
180970057	2013	9	29	16	V	0.3	0.9	3.17	306
180970057	2013	9	29	17	V	0.1	0.9	2.13	337
180970057	2013	9	29	18	V	2.3	0.9	1.14	25
180970057	2013	9	29	19	V	0.7	0.9	1.35	86
180970057	2013	9	29	20	V	2.0	0.9	1.06	95
180970057	2013	9	29	21	V	0.1	1	2.52	131
180970057	2013	9	29	22	V	0.1	1	2.45	148
180970057	2013	9	29	23	V	0.2	0.9	2.16	174
180970057	2013	9	29	24	V	93.3	1	2.03	194
180970057	2013	9	30	1	V	0.6	0.9	1.59	243
180970057	2013	9	30	2	V	0.8	1	1.42	246
180970057	2013	9	30	3	V	1.4	1.1	1.55	211
180970057	2013	9	30	4	V	10.9	1.1	1.65	205
180970057	2013	9	30	5	V	13.6	1.2	2.25	202
180970057	2013	9	30	6	V	0.7	1.3	1.47	245
180970057	2013	9	30	7	V	9.4	1.2	0.72	294
180970057	2013	9	30	8	V	10.7	1.1	1.13	287
180970057	2013	9	30	9	V	10.7	1.3	1.23	256
180970057	2013	9	30	10	V	69.8	1.8	3.22	198
180970057	2013	9	30	11	V	27.1	2.9	3.49	203
180970057	2013	9	30	12	V	16.7	3.3	4.19	205
180970057	2013	9	30	13	V	6.6	14.1	5.38	208
180970057	2013	9	30	14	V	2.6	7	4.63	213
180970057	2013	9	30	15	V	36.6	12.2	4.83	197
180970057	2013	9	30	16	V	49.6	28.8	5.77	193
180970057	2013	9	30	17	V	20.3	18	5.8	196
180970057	2013	9	30	18	V	1.7	8.7	5.17	205
180970057	2013	9	30	19	V	76.3	4.5	4	192
180970057	2013	9	30	20	V	0.06	2.7	3.46	172
180970057	2013	9	30	21	V	24.5	2.4	3.01	186
180970057	2013	9	30	22	V	0.3	2.1	3.41	178
180970057	2013	9	30	23	V	0.04	1.3	3	167
180970057	2013	9	30	24	V	0.9	1.2	3.56	180
180970057	2013	10	1	1	V	1.4	2.6	4.31	180
180970057	2013	10	1	2	V	0.6	3.3	4.07	177
180970057	2013	10	1	3	V	64.8	1.9	2.81	191
180970057	2013	10	1	4	V	25.4	1.5	3.08	199
180970057	2013	10	1	5	V	28.7	1.6	2.83	187
180970057	2013	10	1	6	V	61.4	1.4	2.49	195
180970057	2013	10	1	7	V	31.7	1.5	3.56	201
180970057	2013	10	1	8	V	2.9	1.4	3.22	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	1	9	V	0.2	1.6	3.73	224
180970057	2013	10	1	10	V	0.2	2	4.09	218
180970057	2013	10	1	11	V	0.3	1.8	4.56	231
180970057	2013	10	1	12	V	0.2	1.7	4.56	216
180970057	2013	10	1	13	V	0.1	1.6	4.8	225
180970057	2013	10	1	14	V	0.2	1.7	5.58	219
180970057	2013	10	1	15	V	11.3	2.8	4.56	205
180970057	2013	10	1	16	V	0.3	2.3	4.14	212
180970057	2013	10	1	17	V	0.2	1.5	3.73	210
180970057	2013	10	1	18	V	2.8	1.3	3.95	205
180970057	2013	10	1	19	V	3.6	1.2	3.61	181
180970057	2013	10	1	20	V	0.06	1.2	4.75	174
180970057	2013	10	1	21	V	18.7	1.4	3.59	185
180970057	2013	10	1	22	V	47.8	1.4	3.01	188
180970057	2013	10	1	23	V	77.5	2	2.83	196
180970057	2013	10	1	24	V	19.2	1.7	3.58	200
180970057	2013	10	2	1	V	0.07	1.3	2.79	213
180970057	2013	10	2	2	V	0.1	2.3	2.28	226
180970057	2013	10	2	3	V	1.5	2.1	1.37	261
180970057	2013	10	2	4	V	0.07	2.5	2.88	225
180970057	2013	10	2	5	V	0.3	2	2.21	242
180970057	2013	10	2	6	V	1.7	1.9	1.2	265
180970057	2013	10	2	7	V	4.1	1.7	2.08	218
180970057	2013	10	2	8	V	32.8	1.6	2.37	210
180970057	2013	10	2	9	V	1.0	1.7	3.17	250
180970057	2013	10	2	10	V	2.2	1.4	2.18	270
180970057	2013	10	2	11	V	3.0	1.4	1.38	319
180970057	2013	10	2	12	V	11.2	1.5	0.82	121
180970057	2013	10	2	13	V	72.8	2.5	0.79	181
180970057	2013	10	2	14	V	1.4	6.5	1.52	325
180970057	2013	10	2	15	V	2.5	17.5	1.5	109
180970057	2013	10	2	16	V	0.1	16.7	3.35	161
180970057	2013	10	2	17	V	0.08	3.4	3.66	154
180970057	2013	10	2	18	V	0.08	1.8	3.29	158
180970057	2013	10	2	19	V	0.2	1.5	3.01	174
180970057	2013	10	2	20	V	0.1	1.2	3.3	169
180970057	2013	10	2	21	V	0.1	1.1	3.35	166
180970057	2013	10	2	22	V	0.1	1	3.52	160
180970057	2013	10	2	23	V	0.9	1	3.01	177
180970057	2013	10	2	24	V	0.09	1.1	3.8	150
180970057	2013	10	3	1	V	13.6	1.7	2.89	184
180970057	2013	10	3	2	V	36.8	1.5	2.42	198
180970057	2013	10	3	3	V	0.5	2.2	2.47	209
180970057	2013	10	3	4	V	0.8	4.5	3.56	209
180970057	2013	10	3	5	V	1.7	4.4	3.32	207
180970057	2013	10	3	6	V	30.9	3.1	3.17	184

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	3	7	V	82.0	2.4	2.98	194
180970057	2013	10	3	8	V	64.1	2.5	2.73	201
180970057	2013	10	3	9	V	33.7	3.8	3.85	202
180970057	2013	10	3	10	V	31.7	7.4	4.19	201
180970057	2013	10	3	11	V	12.9	12.9	5.51	205
180970057	2013	10	3	12	V	5.9	7.3	6.31	207
180970057	2013	10	3	13	V	7.0	6.7	6.18	206
180970057	2013	10	3	14	V	4.2	6.8	6.18	208
180970057	2013	10	3	15	V	10.2	18.2	6.53	204
180970057	2013	10	3	16	V	9.3	34.5	6.64	203
180970057	2013	10	3	17	V	1.4	9.5	6.21	205
180970057	2013	10	3	18	V	6.3	6.6	5.5	184
180970057	2013	10	3	19	V	0.05	2.4	4.41	169
180970057	2013	10	3	20	V	0.06	2	4.32	159
180970057	2013	10	3	21	V	0.07	1.9	4.1	167
180970057	2013	10	3	22	V	0.05	1.6	4.76	167
180970057	2013	10	3	23	V	0.06	1.5	4.58	172
180970057	2013	10	3	24	V	0.1	1.5	4.68	172
180970057	2013	10	4	1	V	7.5	3.3	3.13	204
180970057	2013	10	4	2	V	0.6	2.5	2.96	209
180970057	2013	10	4	3	V	63.9	2.2	3.59	194
180970057	2013	10	4	4	V	2.9	1.7	3.75	180
180970057	2013	10	4	5	V	0.08	1.4	3	176
180970057	2013	10	4	6	V	0.3	1.3	2.55	158
180970057	2013	10	4	7	V	3.2	1.5	3.05	167
180970057	2013	10	4	8	V	13.5	2.1	2.96	171
180970057	2013	10	4	9	V	84.4	6.5	3.15	195
180970057	2013	10	4	10	V	3.6	5.8	5.96	208
180970057	2013	10	4	11	V	48.4	4.2	4.24	198
180970057	2013	10	4	12	V	29.8	12.5	2.32	178
180970057	2013	10	4	13	V	8.7	33.4	3.49	175
180970057	2013	10	4	14	V	33.8	34	3.88	187
180970057	2013	10	4	15	V	10.0	46.7	5.27	205
180970057	2013	10	4	16	V	6.9	7	5.51	204
180970057	2013	10	4	17	V	21.7	3.5	4.88	199
180970057	2013	10	4	18	V	0.2	3.3	3.64	175
180970057	2013	10	4	19	V	0.09	3.4	3.25	167
180970057	2013	10	4	20	V	0.08	2.1	3.3	169
180970057	2013	10	4	21	V	0.1	1.8	3.88	172
180970057	2013	10	4	22	V	0.1	1.6	4.17	173
180970057	2013	10	4	23	V	0.1	2.8	4.09	173
180970057	2013	10	4	24	V	0.09	6	3.85	173
180970057	2013	10	5	1	V	87.7	10.3	3.1	191
180970057	2013	10	5	2	V	13.8	4.4	5.28	201
180970057	2013	10	5	3	V	0.3	3.7	3.46	212
180970057	2013	10	5	4	V	0.3	2.3	2.91	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	5	5	V	0.4	1.6	1.4	121
180970057	2013	10	5	6	V	0.2	1.6	2.78	81
180970057	2013	10	5	7	V	6.3	2.2	2.86	170
180970057	2013	10	5	8	V	3.2	2.2	2.47	165
180970057	2013	10	5	9	V	1.4	2.3	3.13	157
180970057	2013	10	5	10	V	1.7	7.8	3.41	166
180970057	2013	10	5	11	V	30.0	2.8	5.65	187
180970057	2013	10	5	12	V	14.8	2	3.95	207
180970057	2013	10	5	13	V	5.1	2.6	3.54	173
180970057	2013	10	5	14	V	0.5	2.3	5.27	174
180970057	2013	10	5	15	V	0.1	2.2	5.7	172
180970057	2013	10	5	16	V	18.7	6	5.21	202
180970057	2013	10	5	17	V	0.1	2.5	3.78	170
180970057	2013	10	5	18	V	0.1	3.1	3	157
180970057	2013	10	5	19	V	0.6	3.7	5.12	176
180970057	2013	10	5	20	V	8.6	8.4	6.62	201
180970057	2013	10	5	21	V	0.08	4.6	4.8	171
180970057	2013	10	5	22	V	0.04	1.6	5.51	166
180970057	2013	10	5	23	V	0.04	-999	6.48	169
180970057	2013	10	5	24	V	0.07	1.2	4.31	153
180970057	2013	10	6	1	V	0.1	1.1	3	162
180970057	2013	10	6	2	V	0.1	1.1	3.18	165
180970057	2013	10	6	3	V	0.08	1	4.48	143
180970057	2013	10	6	4	V	0.05	0.9	5.16	155
180970057	2013	10	6	5	V	0.04	0.9	5.41	150
180970057	2013	10	6	6	V	0.05	0.9	6.02	145
180970057	2013	10	6	7	V	0.1	0.9	5.97	142
180970057	2013	10	6	8	V	13.9	0.9	6.33	202
180970057	2013	10	6	9	V	0.3	0.9	4.48	275
180970057	2013	10	6	10	V	0.3	0.9	4.58	261
180970057	2013	10	6	11	V	0.5	0.9	4.32	249
180970057	2013	10	6	12	V	0.3	0.9	5.02	259
180970057	2013	10	6	13	V	0.5	1	4.44	242
180970057	2013	10	6	14	V	0.5	1	4.71	240
180970057	2013	10	6	15	V	0.2	1	5.19	228
180970057	2013	10	6	16	V	4.5	1.9	4.83	207
180970057	2013	10	6	17	V	39.1	4	4.99	195
180970057	2013	10	6	18	V	16.2	2.1	4.83	200
180970057	2013	10	6	19	V	0.07	2.2	5.26	217
180970057	2013	10	6	20	V	0.06	1.6	8.83	286
180970057	2013	10	6	21	V	0.3	1.3	6.43	279
180970057	2013	10	6	22	V	0.7	1.2	3.59	262
180970057	2013	10	6	23	V	0.5	1.1	2.83	230
180970057	2013	10	6	24	V	0.04	1.1	3.25	215
180970057	2013	10	7	1	V	0.06	1.1	4.59	223
180970057	2013	10	7	2	V	0.05	1.1	5.17	225

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	7	3	V	0.08	1.1	3.52	217
180970057	2013	10	7	4	V	2.1	1.5	3.86	207
180970057	2013	10	7	5	V	0.2	1.6	5.96	241
180970057	2013	10	7	6	V	0.2	1.2	6.74	281
180970057	2013	10	7	7	V	0.1	1.1	5.9	294
180970057	2013	10	7	8	V	0.2	1.1	5.5	284
180970057	2013	10	7	9	V	0.2	1.2	6.3	276
180970057	2013	10	7	10	V	0.2	1.3	6.4	272
180970057	2013	10	7	11	V	0.3	1.4	5.68	264
180970057	2013	10	7	12	V	0.2	1.4	5.94	269
180970057	2013	10	7	13	V	0.2	1.3	6.47	279
180970057	2013	10	7	14	V	0.2	1.2	7.2	268
180970057	2013	10	7	15	V	0.2	1.3	6.12	276
180970057	2013	10	7	16	V	0.2	1.4	4.66	264
180970057	2013	10	7	17	V	0.09	1.4	3.58	286
180970057	2013	10	7	18	V	0.7	1.2	3.64	274
180970057	2013	10	7	19	V	0.6	1.3	2.54	236
180970057	2013	10	7	20	V	99.6	1.6	2.73	194
180970057	2013	10	7	21	V	86.1	1.9	2.83	195
180970057	2013	10	7	22	V	50.7	1.7	2.39	187
180970057	2013	10	7	23	V	50.5	1.7	2.52	198
180970057	2013	10	7	24	V	12.0	2	2.79	201
180970057	2013	10	8	1	V	26.6	1.5	2.27	200
180970057	2013	10	8	2	V	33.1	1.3	1.99	186
180970057	2013	10	8	3	V	12.3	1.1	1.25	177
180970057	2013	10	8	4	V	15.8	1.2	1.69	204
180970057	2013	10	8	5	V	0.4	1.2	1.55	166
180970057	2013	10	8	6	V	0.2	1.1	1.86	157
180970057	2013	10	8	7	V	4.5	1.3	1.21	134
180970057	2013	10	8	8	V	2.4	2	1.94	115
180970057	2013	10	8	9	V	3.4	2.2	1.94	134
180970057	2013	10	8	10	V	1.5	2.4	2.38	144
180970057	2013	10	8	11	V	1.5	2.5	2.22	128
180970057	2013	10	8	12	V	0.5	2	3.3	125
180970057	2013	10	8	13	V	0.4	1.7	3.39	118
180970057	2013	10	8	14	V	0.4	1.6	3.39	120
180970057	2013	10	8	15	V	0.2	1.5	3.8	116
180970057	2013	10	8	16	V	0.1	1.4	4.25	110
180970057	2013	10	8	17	V	0.06	1.3	4.31	118
180970057	2013	10	8	18	V	0.05	1.3	3.63	116
180970057	2013	10	8	19	V	0.1	1.3	2.52	108
180970057	2013	10	8	20	V	0.06	1.3	2.97	95
180970057	2013	10	8	21	V	0.05	1.6	3.86	125
180970057	2013	10	8	22	V	0.05	1.7	4.36	124
180970057	2013	10	8	23	V	0.04	1.7	3.86	117
180970057	2013	10	8	24	V	0.05	1.5	2.86	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	9	1	V	0.05	1.3	2.86	106
180970057	2013	10	9	2	V	0.09	1.2	2.36	113
180970057	2013	10	9	3	V	0.08	1.2	2.36	84
180970057	2013	10	9	4	V	0.2	1.2	1.76	92
180970057	2013	10	9	5	V	0.08	1.3	2.36	87
180970057	2013	10	9	6	C	-999	1.3	0	0
180970057	2013	10	9	7	V	13.5	1.9	1.76	43
180970057	2013	10	9	8	V	14.5	1.9	2.3	41
180970057	2013	10	9	9	V	8.1	2.8	2.11	70
180970057	2013	10	9	10	V	1.8	5.2	2.06	98
180970057	2013	10	9	11	V	3.8	5.9	1.65	88
180970057	2013	10	9	12	V	3.6	4.7	1.82	81
180970057	2013	10	9	13	V	0.8	3.8	2.86	85
180970057	2013	10	9	14	V	0.5	2.8	3.08	109
180970057	2013	10	9	15	V	0.4	2.7	2.79	120
180970057	2013	10	9	16	V	0.2	2.3	2.16	125
180970057	2013	10	9	17	V	0.4	2.2	1.62	165
180970057	2013	10	9	18	V	1.1	2	1.26	161
180970057	2013	10	9	19	V	161.5	1.9	1.3	190
180970057	2013	10	9	20	V	1.8	1.7	1.55	212
180970057	2013	10	9	21	V	1.8	1.9	1.09	83
180970057	2013	10	9	22	V	0.9	1.7	1.31	140
180970057	2013	10	9	23	V	0.1	1.5	2.25	137
180970057	2013	10	9	24	V	0.1	1.5	2.06	100
180970057	2013	10	10	1	V	1.0	1.4	1.23	73
180970057	2013	10	10	2	V	27.2	1.4	0.55	32
180970057	2013	10	10	3	V	27.4	1.8	1.25	45
180970057	2013	10	10	4	V	21.8	1.6	1.7	49
180970057	2013	10	10	5	V	4.4	1.8	1.96	57
180970057	2013	10	10	6	V	0.2	1.8	2.06	65
180970057	2013	10	10	7	V	3.9	1.3	1.76	73
180970057	2013	10	10	8	V	8.9	1.8	1.18	90
180970057	2013	10	10	9	V	15.0	3.8	1.11	110
180970057	2013	10	10	10	V	11.9	7.1	1.06	124
180970057	2013	10	10	11	V	6.8	61.3	1.14	122
180970057	2013	10	10	12	V	7.2	81.6	1.01	157
180970057	2013	10	10	13	V	5.4	19	1.31	71
180970057	2013	10	10	14	V	2.2	6.1	1.55	351
180970057	2013	10	10	15	V	2.1	4	1.48	148
180970057	2013	10	10	16	V	0.6	4	1.76	106
180970057	2013	10	10	17	V	0.1	6.9	2.38	89
180970057	2013	10	10	18	V	0.09	7.1	2.64	117
180970057	2013	10	10	19	V	0.1	9.3	2.59	128
180970057	2013	10	10	20	V	0.7	5.6	1.42	165
180970057	2013	10	10	21	C	-999	3.6	0	0
180970057	2013	10	10	22	V	15.0	2.7	0.52	257

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	10	23	V	0.5	2.3	1.48	103
180970057	2013	10	10	24	V	4.7	2.2	0.82	3
180970057	2013	10	11	1	V	0.6	2	1.4	17
180970057	2013	10	11	2	V	24.0	1.7	1.4	48
180970057	2013	10	11	3	V	1.0	1.7	1.38	25
180970057	2013	10	11	4	V	14.4	1.6	2.1	44
180970057	2013	10	11	5	V	5.7	1.5	2.1	39
180970057	2013	10	11	6	V	0.9	1.7	1.28	12
180970057	2013	10	11	7	V	18.3	1.9	0.77	355
180970057	2013	10	11	8	V	36.7	2.1	0.52	359
180970057	2013	10	11	9	C	-999	2.6	0	0
180970057	2013	10	11	10	V	17.9	14.6	0.8	87
180970057	2013	10	11	11	V	8.8	12.2	1.13	111
180970057	2013	10	11	12	V	14.0	3.2	1.54	179
180970057	2013	10	11	13	V	5.1	9.3	1.54	153
180970057	2013	10	11	14	V	3.6	78.1	1.48	239
180970057	2013	10	11	15	V	4.1	41.5	1.62	227
180970057	2013	10	11	16	V	0.2	5.8	2.5	166
180970057	2013	10	11	17	V	0.2	15.1	2.18	161
180970057	2013	10	11	18	V	1.1	7.4	2.47	179
180970057	2013	10	11	19	V	11.2	2.5	2.59	202
180970057	2013	10	11	20	V	0.2	2.4	2.15	161
180970057	2013	10	11	21	V	0.2	1.7	1.96	169
180970057	2013	10	11	22	V	150.5	1.6	1.03	197
180970057	2013	10	11	23	V	22.1	1.6	0.99	209
180970057	2013	10	11	24	V	2.3	1.6	1.26	246
180970057	2013	10	12	1	V	6.4	1.6	0.7	87
180970057	2013	10	12	2	V	1.1	1.7	1.16	95
180970057	2013	10	12	3	V	15.4	1.8	0.77	65
180970057	2013	10	12	4	V	2.5	2	0.92	112
180970057	2013	10	12	5	V	2.9	2	0.91	81
180970057	2013	10	12	6	V	0.2	1.7	1.67	86
180970057	2013	10	12	7	V	1.1	1.5	2.06	103
180970057	2013	10	12	8	V	6.7	1.5	1.25	112
180970057	2013	10	12	9	V	2.7	1.9	2.15	138
180970057	2013	10	12	10	V	1.9	3.1	2.64	126
180970057	2013	10	12	11	V	2.4	8.5	2.44	159
180970057	2013	10	12	12	V	30.7	26.8	2.74	202
180970057	2013	10	12	13	V	7.3	4	4.12	210
180970057	2013	10	12	14	V	6.1	2.3	3.52	212
180970057	2013	10	12	15	V	7.1	8.5	4.2	207
180970057	2013	10	12	16	V	0.9	2.7	3.78	212
180970057	2013	10	12	17	V	0.1	2.5	3.12	216
180970057	2013	10	12	18	V	0.3	3	2.03	211
180970057	2013	10	12	19	V	4.3	4	2.15	180
180970057	2013	10	12	20	V	0.08	2.7	2.57	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	12	21	V	106.0	1.9	1.35	198
180970057	2013	10	12	22	V	0.4	1.9	1.64	290
180970057	2013	10	12	23	V	1.2	-999	1.74	276
180970057	2013	10	12	24	V	0.1	1.9	2.13	284
180970057	2013	10	13	1	V	0.04	1.5	4.66	329
180970057	2013	10	13	2	V	0.04	1.6	5.03	345
180970057	2013	10	13	3	V	0.03	1.5	4.86	342
180970057	2013	10	13	4	V	0.02	1.6	5.36	360
180970057	2013	10	13	5	V	0.04	1.4	3.36	358
180970057	2013	10	13	6	V	0.07	1.3	3.86	357
180970057	2013	10	13	7	V	0.2	1.2	3.86	1
180970057	2013	10	13	8	V	0.2	1.2	4.36	4
180970057	2013	10	13	9	V	0.1	1.5	5.96	356
180970057	2013	10	13	10	V	0.2	1.5	5.36	18
180970057	2013	10	13	11	V	0.1	1.4	6.46	356
180970057	2013	10	13	12	V	0.3	1.4	4.12	7
180970057	2013	10	13	13	V	0.3	1.2	4.05	8
180970057	2013	10	13	14	V	0.3	1.2	3.98	353
180970057	2013	10	13	15	V	0.2	1.2	3.97	353
180970057	2013	10	13	16	V	0.09	1.2	4.12	350
180970057	2013	10	13	17	V	0.06	1.2	3.9	354
180970057	2013	10	13	18	V	0.06	1.3	4	350
180970057	2013	10	13	19	V	0.05	1.6	3.35	346
180970057	2013	10	13	20	V	0.06	1.8	3.68	357
180970057	2013	10	13	21	V	0.02	1.5	5.44	6
180970057	2013	10	13	22	V	0.02	1.2	5.41	22
180970057	2013	10	13	23	V	0.03	1.1	4.66	17
180970057	2013	10	13	24	V	0.04	1.1	4.14	17
180970057	2013	10	14	1	V	0.04	1.1	4.34	27
180970057	2013	10	14	2	V	0.04	1	3.98	28
180970057	2013	10	14	3	V	0.04	1.1	3.73	23
180970057	2013	10	14	4	V	0.04	1.1	4.05	30
180970057	2013	10	14	5	V	0.05	1.1	3.37	28
180970057	2013	10	14	6	V	0.07	1.2	3.59	29
180970057	2013	10	14	7	V	4.9	1.2	3.25	33
180970057	2013	10	14	8	V	5.6	1.8	3.25	32
180970057	2013	10	14	9	V	12.7	4.6	3.81	44
180970057	2013	10	14	10	V	8.7	3.7	3.27	57
180970057	2013	10	14	11	V	0.6	2.7	3.34	83
180970057	2013	10	14	12	V	0.6	2.3	3.22	95
180970057	2013	10	14	13	V	3.2	2	1.91	79
180970057	2013	10	14	14	V	1.0	2.1	2.2	101
180970057	2013	10	14	15	V	1.3	1.7	2.27	74
180970057	2013	10	14	16	V	0.2	1.6	2.4	106
180970057	2013	10	14	17	V	0.1	1.6	2.52	109
180970057	2013	10	14	18	V	0.1	1.5	2.37	90

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	14	19	V	2.2	1.6	2.28	56
180970057	2013	10	14	20	V	0.4	1.6	2.66	37
180970057	2013	10	14	21	V	4.8	1.5	2.71	45
180970057	2013	10	14	22	V	4.9	1.4	2.76	45
180970057	2013	10	14	23	V	0.06	1.3	3.12	72
180970057	2013	10	14	24	V	0.06	1.3	2.56	87
180970057	2013	10	15	1	V	0.07	1.2	2.5	88
180970057	2013	10	15	2	V	0.06	1.5	3.17	100
180970057	2013	10	15	3	V	0.06	4.4	3.07	102
180970057	2013	10	15	4	V	0.08	6.4	2.32	100
180970057	2013	10	15	5	V	0.08	3	2.35	119
180970057	2013	10	15	6	V	0.1	1.9	3.51	124
180970057	2013	10	15	7	V	0.3	1.7	3.64	125
180970057	2013	10	15	8	V	0.3	1.6	3.86	130
180970057	2013	10	15	9	V	0.4	1.7	3.69	137
180970057	2013	10	15	10	V	0.5	1.6	3.54	149
180970057	2013	10	15	11	V	0.4	1.9	3.83	160
180970057	2013	10	15	12	V	0.8	1.8	3.1	145
180970057	2013	10	15	13	V	4.4	1.9	4.31	175
180970057	2013	10	15	14	V	33.0	4.7	4.66	186
180970057	2013	10	15	15	V	6.5	18	7.06	180
180970057	2013	10	15	16	V	16.5	4.2	5.82	186
180970057	2013	10	15	17	V	5.0	15.9	5.7	182
180970057	2013	10	15	18	V	1.2	12.3	5.77	178
180970057	2013	10	15	19	V	24.4	8.6	5.82	189
180970057	2013	10	15	20	V	19.7	3.6	5.78	198
180970057	2013	10	15	21	V	4.8	2.1	6.7	203
180970057	2013	10	15	22	V	3.7	1.5	5.97	204
180970057	2013	10	15	23	V	0.08	1.4	5.27	215
180970057	2013	10	15	24	V	0.09	1.4	4.65	216
180970057	2013	10	16	1	V	0.07	1.3	3.95	221
180970057	2013	10	16	2	V	0.07	1.3	3.34	219
180970057	2013	10	16	3	V	0.7	1.2	4.34	262
180970057	2013	10	16	4	V	0.06	1.3	4.44	306
180970057	2013	10	16	5	V	0.06	1.7	3.78	301
180970057	2013	10	16	6	V	0.09	1.6	3.85	294
180970057	2013	10	16	7	V	0.2	1.5	4.77	292
180970057	2013	10	16	8	V	0.3	1.4	3.58	288
180970057	2013	10	16	9	V	0.4	1.3	4.12	275
180970057	2013	10	16	10	V	0.2	1.6	5.09	274
180970057	2013	10	16	11	V	0.3	1.9	5.04	264
180970057	2013	10	16	12	V	0.5	1.8	4.12	250
180970057	2013	10	16	13	V	0.4	1.7	5.56	239
180970057	2013	10	16	14	V	0.3	1.8	5.43	252
180970057	2013	10	16	15	V	0.3	1.8	5.16	259
180970057	2013	10	16	16	V	0.4	1.7	4.77	278

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	16	17	V	0.6	1.5	5.14	272
180970057	2013	10	16	18	V	0.04	1.4	4.87	302
180970057	2013	10	16	19	V	0.04	1.5	4.92	314
180970057	2013	10	16	20	V	0.05	1.5	3.9	306
180970057	2013	10	16	21	V	0.1	1.3	2.37	290
180970057	2013	10	16	22	V	0.5	1.2	2.03	280
180970057	2013	10	16	23	V	1.1	1.2	1.35	281
180970057	2013	10	16	24	V	1.0	1.2	1.81	257
180970057	2013	10	17	1	V	0.4	1.2	1.98	248
180970057	2013	10	17	2	V	0.2	1.2	1.98	233
180970057	2013	10	17	3	V	0.5	1.2	1.5	226
180970057	2013	10	17	4	V	0.4	1.2	1.91	239
180970057	2013	10	17	5	V	0.8	1.2	1.81	265
180970057	2013	10	17	6	V	0.8	1.3	2.23	262
180970057	2013	10	17	7	V	0.7	1.4	2.21	246
180970057	2013	10	17	8	V	70.5	1.5	1.84	186
180970057	2013	10	17	9	V	1.7	1.8	3.08	220
180970057	2013	10	17	10	V	0.6	1.4	3.08	238
180970057	2013	10	17	11	V	39.7	1.5	3.6	200
180970057	2013	10	17	12	V	0.2	1.7	4.85	228
180970057	2013	10	17	13	V	0.2	1.4	7.11	255
180970057	2013	10	17	14	V	0.2	1.5	7.11	253
180970057	2013	10	17	15	V	0.2	1.4	6.96	261
180970057	2013	10	17	16	V	0.6	1.4	6.6	266
180970057	2013	10	17	17	V	0.6	1.4	5.02	268
180970057	2013	10	17	18	V	0.6	1.3	3.07	269
180970057	2013	10	17	19	V	0.7	1.3	3	238
180970057	2013	10	17	20	V	0.5	1.3	2.52	208
180970057	2013	10	17	21	V	0.1	1.3	3.54	211
180970057	2013	10	17	22	V	0.5	2.8	3.34	207
180970057	2013	10	17	23	V	0.06	4.3	3.52	214
180970057	2013	10	17	24	V	0.06	5	2.9	217
180970057	2013	10	18	1	V	0.07	4	2.71	216
180970057	2013	10	18	2	V	0.1	4.7	2.69	210
180970057	2013	10	18	3	V	0.07	3.6	3.2	212
180970057	2013	10	18	4	V	0.05	2.8	3.73	218
180970057	2013	10	18	5	V	0.2	5.1	3.47	209
180970057	2013	10	18	6	V	0.2	4.4	3.42	211
180970057	2013	10	18	7	V	6.6	4.3	3.44	211
180970057	2013	10	18	8	V	18.4	6.2	3.52	209
180970057	2013	10	18	9	V	8.6	8.9	4.58	209
180970057	2013	10	18	10	V	10.9	8.6	5.12	205
180970057	2013	10	18	11	V	2.4	7.1	5.51	210
180970057	2013	10	18	12	V	0.1	4.7	6.65	220
180970057	2013	10	18	13	V	0.2	2.7	7.83	230
180970057	2013	10	18	14	V	0.2	2.3	8.4	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	18	15	V	0.3	2.2	7.31	248
180970057	2013	10	18	16	V	0.7	2.4	6.91	249
180970057	2013	10	18	17	V	0.5	2.3	6.38	247
180970057	2013	10	18	18	V	0.6	1.6	5.19	266
180970057	2013	10	18	19	V	0.03	1.8	5.43	305
180970057	2013	10	18	20	V	0.05	1.7	3.97	313
180970057	2013	10	18	21	V	0.08	1.5	3.98	331
180970057	2013	10	18	22	V	0.08	1.5	3.61	346
180970057	2013	10	18	23	V	0.2	1.4	1.89	26
180970057	2013	10	18	24	V	2.4	1.8	0.99	77
180970057	2013	10	19	1	V	5.5	1.4	0.82	307
180970057	2013	10	19	2	V	13.3	1.5	1.06	60
180970057	2013	10	19	3	V	6.3	1.4	0.72	153
180970057	2013	10	19	4	V	0.1	1.3	2.01	172
180970057	2013	10	19	5	V	0.4	1.4	1.55	283
180970057	2013	10	19	6	V	2.3	1.4	1.21	214
180970057	2013	10	19	7	V	0.7	1.2	2.11	277
180970057	2013	10	19	8	V	0.1	1.2	4.9	298
180970057	2013	10	19	9	V	0.3	1.1	3.93	310
180970057	2013	10	19	10	V	0.2	1.2	4.83	287
180970057	2013	10	19	11	V	0.1	1.3	5.72	284
180970057	2013	10	19	12	V	0.4	1.5	3.81	275
180970057	2013	10	19	13	V	0.2	1.6	5.24	276
180970057	2013	10	19	14	V	0.2	1.5	6.99	269
180970057	2013	10	19	15	V	0.2	1.5	7.4	261
180970057	2013	10	19	16	V	0.7	1.5	6.47	256
180970057	2013	10	19	17	V	0.7	1.5	5.36	256
180970057	2013	10	19	18	V	0.6	1.5	5.07	242
180970057	2013	10	19	19	V	0.2	1.3	3.85	210
180970057	2013	10	19	20	V	6.4	1.6	4.14	203
180970057	2013	10	19	21	V	8.9	2.5	4.39	202
180970057	2013	10	19	22	V	0.09	1.8	3.97	213
180970057	2013	10	19	23	V	0.06	-999	3.85	215
180970057	2013	10	19	24	V	0.08	2.1	3.49	212
180970057	2013	10	20	1	V	0.3	2.6	3.69	208
180970057	2013	10	20	2	V	0.7	2.3	3.56	206
180970057	2013	10	20	3	V	0.2	1.8	4.2	210
180970057	2013	10	20	4	V	0.5	1.6	4.27	209
180970057	2013	10	20	5	V	0.4	1.6	3.98	208
180970057	2013	10	20	6	V	1.0	-999	4	207
180970057	2013	10	20	7	M	-999	-999	4.12	207
180970057	2013	10	20	8	M	-999	-999	3.1	211
180970057	2013	10	20	9	M	-999	-999	3.95	211
180970057	2013	10	20	10	M	-999	2.9	4.76	206
180970057	2013	10	20	11	M	-999	3.2	5.16	214
180970057	2013	10	20	12	M	-999	4.4	5.92	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	20	13	M	-999	7.9	7.47	195
180970057	2013	10	20	14	M	-999	12.4	7.96	202
180970057	2013	10	20	15	M	-999	5.1	9.39	204
180970057	2013	10	20	16	V	1.3	2.5	8.49	206
180970057	2013	10	20	17	V	4.6	12.7	8.52	202
180970057	2013	10	20	18	V	15.6	54.3	6.97	191
180970057	2013	10	20	19	V	0.4	7.8	5.63	178
180970057	2013	10	20	20	V	0.8	4.8	5.38	180
180970057	2013	10	20	21	V	3.3	4.2	5.43	183
180970057	2013	10	20	22	V	33.3	15.1	4.7	190
180970057	2013	10	20	23	V	19.8	14	5.29	191
180970057	2013	10	20	24	V	20.3	16.6	4.87	196
180970057	2013	10	21	1	V	45.1	6	3.86	191
180970057	2013	10	21	2	V	21.6	12.4	4.27	187
180970057	2013	10	21	3	V	46.8	17	3.78	193
180970057	2013	10	21	4	V	37.0	14.9	4.34	195
180970057	2013	10	21	5	V	35.5	15.9	4.48	192
180970057	2013	10	21	6	V	30.4	17.1	4.53	196
180970057	2013	10	21	7	V	16.5	9.4	3.78	206
180970057	2013	10	21	8	V	11.9	4.9	3.44	208
180970057	2013	10	21	9	V	3.3	5.1	4.73	211
180970057	2013	10	21	10	V	0.3	5.8	6.24	234
180970057	2013	10	21	11	V	0.4	4	6.16	241
180970057	2013	10	21	12	V	0.4	3.4	4.94	237
180970057	2013	10	21	13	V	0.4	3	6.55	238
180970057	2013	10	21	14	V	0.3	2.8	7.3	235
180970057	2013	10	21	15	V	0.1	2.6	5	273
180970057	2013	10	21	16	V	0.5	2.5	4.97	276
180970057	2013	10	21	17	V	0.1	2	5.46	284
180970057	2013	10	21	18	V	0.5	1.7	5.46	275
180970057	2013	10	21	19	V	0.3	1.6	5.16	279
180970057	2013	10	21	20	V	0.2	1.7	4.71	284
180970057	2013	10	21	21	V	0.02	1.8	6.92	296
180970057	2013	10	21	22	V	0.02	1.6	5.84	302
180970057	2013	10	21	23	V	0.02	1.5	6.16	319
180970057	2013	10	21	24	V	0.05	1.5	3.97	311
180970057	2013	10	22	1	V	0.1	1.5	2.28	304
180970057	2013	10	22	2	V	0.4	1.3	1.98	249
180970057	2013	10	22	3	V	0.07	-999	2.86	221
180970057	2013	10	22	4	V	0.4	-999	2.11	240
180970057	2013	10	22	5	V	1.3	-999	1.4	253
180970057	2013	10	22	6	V	0.3	-999	2.47	251
180970057	2013	10	22	7	V	0.9	-999	2.32	253
180970057	2013	10	22	8	V	1.4	-999	2.4	237
180970057	2013	10	22	9	V	1.1	-999	3.39	243
180970057	2013	10	22	10	V	0.8	-999	3.51	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	22	11	V	0.5	-999	4.14	250
180970057	2013	10	22	12	V	0.4	-999	2.88	262
180970057	2013	10	22	13	V	0.6	2.5	2.03	248
180970057	2013	10	22	14	V	0.5	2	1.57	276
180970057	2013	10	22	15	V	0.05	1.8	1.96	285
180970057	2013	10	22	16	V	33.1	19.2	3.51	200
180970057	2013	10	22	17	V	0.4	20	1.47	286
180970057	2013	10	22	18	V	0.1	12.7	2.74	79
180970057	2013	10	22	19	V	0.2	4.4	1.89	109
180970057	2013	10	22	20	V	5.9	3	3.25	44
180970057	2013	10	22	21	V	0.09	3.1	4.15	68
180970057	2013	10	22	22	V	0.05	2.6	5.07	69
180970057	2013	10	22	23	V	0.5	1.7	4.65	58
180970057	2013	10	22	24	V	1.5	1.5	5.29	45
180970057	2013	10	23	1	V	0.4	1.3	6.06	39
180970057	2013	10	23	2	V	0.02	-999	7.42	18
180970057	2013	10	23	3	V	0.02	-999	6.84	15
180970057	2013	10	23	4	V	0.03	-999	5.71	358
180970057	2013	10	23	5	V	0.05	-999	4.86	345
180970057	2013	10	23	6	V	0.04	-999	5.75	329
180970057	2013	10	23	7	V	0.1	-999	5.1	320
180970057	2013	10	23	8	V	0.2	-999	4.24	302
180970057	2013	10	23	9	V	0.2	-999	4.85	288
180970057	2013	10	23	10	V	0.2	-999	5.22	293
180970057	2013	10	23	11	V	0.2	-999	5.05	282
180970057	2013	10	23	12	V	0.2	-999	5.68	290
180970057	2013	10	23	13	V	0.1	-999	7.35	300
180970057	2013	10	23	14	V	0.09	-999	7.23	290
180970057	2013	10	23	15	V	0.06	-999	7.38	287
180970057	2013	10	23	16	V	0.4	-999	7.62	274
180970057	2013	10	23	17	V	0.6	-999	6.36	269
180970057	2013	10	23	18	V	0.6	-999	4.97	271
180970057	2013	10	23	19	V	0.7	-999	3.74	267
180970057	2013	10	23	20	V	0.7	-999	3	271
180970057	2013	10	23	21	V	0.7	-999	3.69	266
180970057	2013	10	23	22	V	0.7	-999	4.1	266
180970057	2013	10	23	23	V	0.6	-999	4.59	272
180970057	2013	10	23	24	V	0.6	-999	4.65	269
180970057	2013	10	24	1	V	0.7	-999	3.81	264
180970057	2013	10	24	2	V	0.4	-999	4.51	279
180970057	2013	10	24	3	V	0.6	-999	4.03	275
180970057	2013	10	24	4	V	0.7	-999	4.1	270
180970057	2013	10	24	5	V	0.7	-999	3.47	260
180970057	2013	10	24	6	V	0.3	-999	3.68	243
180970057	2013	10	24	7	V	0.2	-999	3.8	242
180970057	2013	10	24	8	V	0.2	-999	3.78	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	24	9	V	0.3	-999	4.03	251
180970057	2013	10	24	10	V	0.3	-999	4.29	254
180970057	2013	10	24	11	V	0.4	-999	3.97	241
180970057	2013	10	24	12	V	0.3	-999	4.53	259
180970057	2013	10	24	13	V	0.1	-999	4.97	285
180970057	2013	10	24	14	V	0.08	-999	5.82	293
180970057	2013	10	24	15	V	0.2	-999	6.23	285
180970057	2013	10	24	16	V	0.1	-999	5.51	285
180970057	2013	10	24	17	V	0.5	-999	4.68	275
180970057	2013	10	24	18	V	0.2	-999	4.49	283
180970057	2013	10	24	19	V	0.4	-999	3.76	279
180970057	2013	10	24	20	V	0.1	-999	4.41	286
180970057	2013	10	24	21	V	0.06	-999	4.34	291
180970057	2013	10	24	22	V	0.2	-999	4.46	284
180970057	2013	10	24	23	V	0.07	-999	3.42	286
180970057	2013	10	24	24	V	0.09	-999	3.73	285
180970057	2013	10	25	1	V	0.6	-999	3.54	272
180970057	2013	10	25	2	V	0.6	-999	3.44	265
180970057	2013	10	25	3	V	0.6	-999	3.44	266
180970057	2013	10	25	4	V	0.4	-999	3.29	253
180970057	2013	10	25	5	V	0.2	-999	3.56	244
180970057	2013	10	25	6	V	0.3	-999	3.46	250
180970057	2013	10	25	7	V	0.6	-999	3.22	263
180970057	2013	10	25	8	V	0.7	-999	3.34	248
180970057	2013	10	25	9	V	1.3	-999	2.84	255
180970057	2013	10	25	10	V	1.7	-999	2.16	263
180970057	2013	10	25	11	V	0.5	-999	3.22	283
180970057	2013	10	25	12	V	0.2	-999	5.05	288
180970057	2013	10	25	13	V	0.2	-999	5.36	278
180970057	2013	10	25	14	V	0.3	-999	4.54	267
180970057	2013	10	25	15	V	0.3	1.5	4.31	256
180970057	2013	10	25	16	V	0.7	1.4	4.95	253
180970057	2013	10	25	17	V	0.7	1.6	4.75	247
180970057	2013	10	25	18	V	0.5	1.5	4.53	236
180970057	2013	10	25	19	V	1.0	2.7	3.63	206
180970057	2013	10	25	20	V	18.5	6.5	3.83	200
180970057	2013	10	25	21	V	16.1	9.5	4.54	200
180970057	2013	10	25	22	V	4.3	6.6	4.59	203
180970057	2013	10	25	23	V	0.9	6.1	4.51	206
180970057	2013	10	25	24	V	0.3	7.1	4.27	209
180970057	2013	10	26	1	V	1.5	9.3	3.95	205
180970057	2013	10	26	2	V	1.6	6.9	4.32	205
180970057	2013	10	26	3	V	6.6	6.6	4.83	201
180970057	2013	10	26	4	V	0.6	4.7	5.29	206
180970057	2013	10	26	5	V	1.0	3.4	5.26	205
180970057	2013	10	26	6	V	0.3	5.6	5.21	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	26	7	V	7.7	7.3	6.53	204
180970057	2013	10	26	8	V	1.1	5.9	6.86	209
180970057	2013	10	26	9	V	0.3	9.2	7.48	212
180970057	2013	10	26	10	V	0.08	8	8.27	214
180970057	2013	10	26	11	V	0.06	4	8.08	221
180970057	2013	10	26	12	V	0.07	3.4	8.03	225
180970057	2013	10	26	13	V	0.09	3.4	9.56	215
180970057	2013	10	26	14	V	0.4	3.2	8.3	241
180970057	2013	10	26	15	V	0.3	2.9	7.21	246
180970057	2013	10	26	16	V	0.7	2.9	8.2	252
180970057	2013	10	26	17	V	0.4	2.7	6.62	274
180970057	2013	10	26	18	V	0.02	2.2	6.67	293
180970057	2013	10	26	19	V	0.04	2.1	5.14	304
180970057	2013	10	26	20	V	0.04	2	5.04	313
180970057	2013	10	26	21	V	0.05	1.6	3.4	296
180970057	2013	10	26	22	V	0.09	1.6	2.69	290
180970057	2013	10	26	23	V	0.04	-999	3.32	311
180970057	2013	10	26	24	V	0.04	1.5	3.35	316
180970057	2013	10	27	1	V	0.1	1.5	2.23	294
180970057	2013	10	27	2	V	0.3	1.5	2.25	249
180970057	2013	10	27	3	V	0.6	1.4	2.35	255
180970057	2013	10	27	4	V	0.8	1.5	1.38	281
180970057	2013	10	27	5	V	0.6	1.5	1.48	216
180970057	2013	10	27	6	V	0.5	1.5	1.64	239
180970057	2013	10	27	7	V	1.3	1.6	1.84	258
180970057	2013	10	27	8	V	3.5	1.7	1.5	258
180970057	2013	10	27	9	V	32.1	1.8	0.89	224
180970057	2013	10	27	10	V	31.2	2.1	0.82	222
180970057	2013	10	27	11	V	2.5	8.6	2.25	225
180970057	2013	10	27	12	V	0.5	7.3	3.9	242
180970057	2013	10	27	13	V	0.5	2.7	3.72	240
180970057	2013	10	27	14	V	0.5	2	3.49	239
180970057	2013	10	27	15	V	0.4	1.8	3.3	246
180970057	2013	10	27	16	V	0.8	1.7	3.92	251
180970057	2013	10	27	17	V	0.4	1.6	3.18	231
180970057	2013	10	27	18	V	1.1	1.6	2.96	242
180970057	2013	10	27	19	V	0.2	1.9	2.1	220
180970057	2013	10	27	20	V	0.6	1.8	1.99	228
180970057	2013	10	27	21	V	0.9	1.8	1.5	226
180970057	2013	10	27	22	V	1.9	1.8	1.2	228
180970057	2013	10	27	23	V	8.2	1.9	0.94	215
180970057	2013	10	27	24	V	8.7	1.8	0.63	229
180970057	2013	10	28	1	V	3.0	1.9	0.94	272
180970057	2013	10	28	2	V	6.3	2.1	0.7	288
180970057	2013	10	28	3	V	2.2	2.4	0.97	96
180970057	2013	10	28	4	V	8.4	2.5	0.82	24

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	28	5	V	17.8	2.8	1.21	56
180970057	2013	10	28	6	V	2.1	3	1.04	114
180970057	2013	10	28	7	V	12.6	3.7	1.09	38
180970057	2013	10	28	8	V	22.3	4.2	0.74	137
180970057	2013	10	28	9	V	38.5	4	0.52	73
180970057	2013	10	28	10	V	26.4	5.2	0.75	115
180970057	2013	10	28	11	V	17.7	16.4	1.06	99
180970057	2013	10	28	12	V	3.1	8	1.65	125
180970057	2013	10	28	13	V	0.9	5	2.42	99
180970057	2013	10	28	14	V	2.8	4.5	1.33	354
180970057	2013	10	28	15	V	0.6	4.1	1.45	127
180970057	2013	10	28	16	V	2.0	3.8	0.96	8
180970057	2013	10	28	17	V	0.8	3.2	1.33	347
180970057	2013	10	28	18	V	0.2	3	2.27	1
180970057	2013	10	28	19	V	0.09	2.9	2.67	18
180970057	2013	10	28	20	V	0.1	2.9	2.57	27
180970057	2013	10	28	21	V	0.1	2.6	2.49	30
180970057	2013	10	28	22	V	0.1	2.3	2.42	27
180970057	2013	10	28	23	V	0.1	2.2	3.15	35
180970057	2013	10	28	24	V	6.9	2	2.56	44
180970057	2013	10	29	1	V	5.4	2.1	2.56	44
180970057	2013	10	29	2	V	12.4	1.9	2.13	43
180970057	2013	10	29	3	V	5.5	1.8	2.08	55
180970057	2013	10	29	4	V	0.2	1.7	1.99	74
180970057	2013	10	29	5	V	0.4	1.8	2.03	63
180970057	2013	10	29	6	V	5.9	2.4	2.62	43
180970057	2013	10	29	7	V	12.7	2.2	3.05	48
180970057	2013	10	29	8	V	7.2	1.9	2.79	60
180970057	2013	10	29	9	V	2.0	2.1	2.18	73
180970057	2013	10	29	10	V	0.9	2.5	2.52	85
180970057	2013	10	29	11	V	0.7	3.6	2.83	113
180970057	2013	10	29	12	V	0.7	4.8	2.83	107
180970057	2013	10	29	13	V	0.7	4.8	2.76	114
180970057	2013	10	29	14	V	0.6	4.8	2.67	114
180970057	2013	10	29	15	V	0.3	4.8	3	121
180970057	2013	10	29	16	V	0.1	5.3	2.59	110
180970057	2013	10	29	17	V	0.1	4.8	2.81	108
180970057	2013	10	29	18	V	0.1	4.2	3.13	81
180970057	2013	10	29	19	V	0.1	4.3	3.35	95
180970057	2013	10	29	20	V	0.1	4.6	3.61	104
180970057	2013	10	29	21	V	0.1	4	2.74	138
180970057	2013	10	29	22	V	0.09	4.2	3.01	110
180970057	2013	10	29	23	V	0.09	4	2.83	103
180970057	2013	10	29	24	V	0.08	2.2	3.3	117
180970057	2013	10	30	1	V	0.08	2.6	2.5	102
180970057	2013	10	30	2	V	0.1	2.3	1.89	75

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	10	30	3	V	0.1	1.9	2.23	90
180970057	2013	10	30	4	V	0.2	2.2	2.01	93
180970057	2013	10	30	5	V	0.09	2.5	2.71	103
180970057	2013	10	30	6	V	0.2	2.2	2.05	104
180970057	2013	10	30	7	V	0.3	1.9	2.73	123
180970057	2013	10	30	8	V	0.8	1.6	2.23	126
180970057	2013	10	30	9	V	0.5	1.6	3.2	138
180970057	2013	10	30	10	V	1.2	1.6	2.32	127
180970057	2013	10	30	11	V	0.8	2	2.86	108
180970057	2013	10	30	12	V	0.9	1.9	2.66	124
180970057	2013	10	30	13	V	0.6	1.9	3.1	125
180970057	2013	10	30	14	V	0.5	1.9	3.05	132
180970057	2013	10	30	15	V	0.3	1.7	3.2	138
180970057	2013	10	30	16	V	0.1	1.6	4	129
180970057	2013	10	30	17	V	0.1	1.7	3.74	141
180970057	2013	10	30	18	V	0.1	1.6	3.49	150
180970057	2013	10	30	19	V	0.09	1.6	4.19	138
180970057	2013	10	30	20	V	0.08	1.5	4.53	141
180970057	2013	10	30	21	V	0.07	1.5	4.68	146
180970057	2013	10	30	22	V	0.08	1.9	4.27	162
180970057	2013	10	30	23	V	20.2	3.3	5.96	189
180970057	2013	10	30	24	V	38.2	17.6	3.86	187
180970057	2013	10	31	1	V	43.8	34.4	3.86	190
180970057	2013	10	31	2	V	25.4	48.1	4.86	190
180970057	2013	10	31	3	V	0.4	28.2	4.86	176
180970057	2013	10	31	4	V	0.5	4.8	6.96	177
180970057	2013	10	31	5	V	12.6	3.4	6.96	190
180970057	2013	10	31	6	V	19.4	25.7	9.18	195
180970057	2013	10	31	7	V	10.4	46.2	7.6	184
180970057	2013	10	31	8	V	15.9	60.5	8.16	185
180970057	2013	10	31	9	V	30.7	112.9	8.03	191
180970057	2013	10	31	10	V	26.5	50.3	7.96	188
180970057	2013	10	31	11	V	33.8	93.6	8.01	193
180970057	2013	10	31	12	V	1.9	38.7	7.01	178
180970057	2013	10	31	13	V	0.08	3.7	6.11	163
180970057	2013	10	31	14	V	0.07	2.3	6.91	161
180970057	2013	10	31	15	V	15.8	11.9	8.88	185
180970057	2013	10	31	16	V	16.4	5.9	6.99	191
180970057	2013	10	31	17	V	13.5	32.1	7.64	189
180970057	2013	10	31	18	V	25.0	62.3	9.73	188
180970057	2013	10	31	19	V	0.06	38.7	9.13	222
180970057	2013	10	31	20	V	7.8	13.9	6.94	200
180970057	2013	10	31	21	V	0.4	8.7	11.91	244
180970057	2013	10	31	22	V	0.5	2.6	7.11	250
180970057	2013	10	31	23	V	0.4	1.9	8.66	270
180970057	2013	10	31	24	V	0.4	1.4	6.41	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	1	1	V	0.6	1.4	6.96	262
180970057	2013	11	1	2	V	0.4	1.3	8.95	266
180970057	2013	11	1	3	V	0.4	1.3	8.37	253
180970057	2013	11	1	4	V	0.3	1.2	7.84	246
180970057	2013	11	1	5	V	0.06	1.2	5.36	231
180970057	2013	11	1	6	V	0.04	1.2	6.8	226
180970057	2013	11	1	7	V	0.09	1.2	6.16	223
180970057	2013	11	1	8	V	0.2	1.2	5.46	227
180970057	2013	11	1	9	V	0.2	1.4	5.33	225
180970057	2013	11	1	10	V	0.2	1.5	6.11	230
180970057	2013	11	1	11	V	0.2	1.9	6.79	233
180970057	2013	11	1	12	V	0.2	2.2	7.21	233
180970057	2013	11	1	13	V	0.3	2.3	7.89	237
180970057	2013	11	1	14	V	0.3	2.1	8.16	245
180970057	2013	11	1	15	V	0.2	2	7.64	254
180970057	2013	11	1	16	V	0.6	1.7	7.35	257
180970057	2013	11	1	17	V	0.4	1.7	6.02	276
180970057	2013	11	1	18	V	0.4	1.5	5.22	277
180970057	2013	11	1	19	V	0.2	1.4	7.26	282
180970057	2013	11	1	20	V	0.5	1.4	5.36	275
180970057	2013	11	1	21	V	0.4	1.4	5.55	278
180970057	2013	11	1	22	V	0.4	1.5	5.34	278
180970057	2013	11	1	23	V	0.6	1.4	5.43	268
180970057	2013	11	1	24	V	0.06	1.3	5.96	288
180970057	2013	11	2	1	V	0.2	1.3	4.53	282
180970057	2013	11	2	2	V	0.05	1.2	4.54	289
180970057	2013	11	2	3	V	0.6	1.2	3.15	267
180970057	2013	11	2	4	V	0.7	1.2	3.9	258
180970057	2013	11	2	5	V	0.7	1.2	3.27	257
180970057	2013	11	2	6	V	0.8	1.3	3.34	261
180970057	2013	11	2	7	V	0.8	1.3	3.13	264
180970057	2013	11	2	8	V	1.2	1.4	2.56	249
180970057	2013	11	2	9	V	1.1	1.8	3.2	262
180970057	2013	11	2	10	V	0.4	2	4.1	291
180970057	2013	11	2	11	V	0.1	2.3	6.09	303
180970057	2013	11	2	12	V	0.1	2.1	7.18	302
180970057	2013	11	2	13	V	0.08	1.8	7.94	307
180970057	2013	11	2	14	V	0.08	1.8	7.38	301
180970057	2013	11	2	15	V	0.06	1.7	7.84	302
180970057	2013	11	2	16	V	0.02	1.6	7.42	307
180970057	2013	11	2	17	V	0.03	1.5	6.24	308
180970057	2013	11	2	18	V	0.04	1.4	5.63	301
180970057	2013	11	2	19	V	0.03	1.4	5.77	306
180970057	2013	11	2	20	V	0.05	1.4	5.41	310
180970057	2013	11	2	21	V	0.07	1.4	4.9	309
180970057	2013	11	2	22	V	0.08	1.3	4.37	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	2	23	V	0.08	-999	3.18	315
180970057	2013	11	2	24	V	0.09	1.5	2.95	299
180970057	2013	11	3	1	V	0.05	1.4	2.97	296
180970057	2013	11	3	2	V	0.2	1.3	2.44	281
180970057	2013	11	3	3	V	0.2	1.2	2.25	282
180970057	2013	11	3	4	V	0.4	1.2	2.15	280
180970057	2013	11	3	5	V	1.1	1.3	1.62	276
180970057	2013	11	3	6	V	1.0	1.4	2.35	274
180970057	2013	11	3	7	V	1.0	1.4	1.96	271
180970057	2013	11	3	8	V	1.2	1.4	2.21	249
180970057	2013	11	3	9	V	11.7	1.4	1.01	278
180970057	2013	11	3	10	V	21.8	2	0.82	22
180970057	2013	11	3	11	V	7.8	2.6	1.33	74
180970057	2013	11	3	12	V	8.9	9.3	1.11	74
180970057	2013	11	3	13	V	1.6	2.9	1.71	90
180970057	2013	11	3	14	V	0.3	2	3.05	129
180970057	2013	11	3	15	V	0.08	2.4	3.68	142
180970057	2013	11	3	16	V	0.05	2	3.71	144
180970057	2013	11	3	17	V	0.04	1.8	3.17	132
180970057	2013	11	3	18	V	0.05	1.7	2.9	121
180970057	2013	11	3	19	V	0.05	11.6	3.2	101
180970057	2013	11	3	20	V	0.08	16	2.74	105
180970057	2013	11	3	21	V	0.06	3.9	3	105
180970057	2013	11	3	22	V	0.07	7.1	3.56	122
180970057	2013	11	3	23	V	0.06	13.4	3.39	118
180970057	2013	11	3	24	V	0.06	11.4	3.48	123
180970057	2013	11	4	1	V	0.06	5.4	3.83	118
180970057	2013	11	4	2	V	0.05	6.4	4.05	121
180970057	2013	11	4	3	V	0.07	6.8	3.42	127
180970057	2013	11	4	4	V	0.06	10.7	3.15	114
180970057	2013	11	4	5	V	0.07	9.1	3.95	111
180970057	2013	11	4	6	V	0.08	10	3.95	115
180970057	2013	11	4	7	V	0.1	7	4.8	114
180970057	2013	11	4	8	V	0.1	5.8	5.55	122
180970057	2013	11	4	9	V	0.1	4.4	6.43	131
180970057	2013	11	4	10	V	0.1	4.1	7.72	138
180970057	2013	11	4	11	V	0.1	3.5	7.04	146
180970057	2013	11	4	12	V	0.1	3.7	5.46	151
180970057	2013	11	4	13	V	0.2	3.2	4.03	149
180970057	2013	11	4	14	V	0.2	3	3.92	160
180970057	2013	11	4	15	V	0.1	2.8	4.46	153
180970057	2013	11	4	16	V	0.05	2.8	4.78	154
180970057	2013	11	4	17	V	0.06	2.9	4.34	143
180970057	2013	11	4	18	V	0.06	3	4.42	139
180970057	2013	11	4	19	V	0.05	3.5	4.82	143
180970057	2013	11	4	20	V	0.03	4.4	5.46	149

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	4	21	V	0.05	4.4	4.43	152
180970057	2013	11	4	22	V	0.07	3.5	4.15	163
180970057	2013	11	4	23	V	0.07	2.8	3.61	160
180970057	2013	11	4	24	V	0.07	2.4	4.05	157
180970057	2013	11	5	1	V	0.06	2.1	4.73	157
180970057	2013	11	5	2	V	0.07	2.2	4.03	161
180970057	2013	11	5	3	V	0.08	2	3.81	161
180970057	2013	11	5	4	V	0.09	2.2	3.9	163
180970057	2013	11	5	5	V	37.7	5.6	4.29	187
180970057	2013	11	5	6	V	27.6	3.6	3.37	185
180970057	2013	11	5	7	V	0.2	2.1	2.96	149
180970057	2013	11	5	8	V	0.3	1.9	3.46	131
180970057	2013	11	5	9	V	0.5	2.2	4	135
180970057	2013	11	5	10	V	0.1	2.6	3.9	139
180970057	2013	11	5	11	V	0.2	4.2	3.83	170
180970057	2013	11	5	12	V	4.2	11.3	4.29	179
180970057	2013	11	5	13	V	54.5	21.8	4.17	189
180970057	2013	11	5	14	V	0.09	6.6	3.63	159
180970057	2013	11	5	15	V	0.06	4.1	3.52	154
180970057	2013	11	5	16	V	0.03	3.4	4.58	134
180970057	2013	11	5	17	V	0.02	3	4.83	136
180970057	2013	11	5	18	V	0.03	3.5	4.31	116
180970057	2013	11	5	19	V	0.04	2.4	3.73	130
180970057	2013	11	5	20	V	0.04	2.2	4.06	137
180970057	2013	11	5	21	V	0.03	2.3	4.51	141
180970057	2013	11	5	22	V	0.02	2.3	5.28	142
180970057	2013	11	5	23	V	0.02	2.1	5.89	142
180970057	2013	11	5	24	V	0.03	2	4.68	142
180970057	2013	11	6	1	V	0.05	2.2	4.41	147
180970057	2013	11	6	2	V	0.05	2.5	4.73	170
180970057	2013	11	6	3	V	0.2	5	5.56	175
180970057	2013	11	6	4	V	11.1	27.1	7.42	189
180970057	2013	11	6	5	V	2.5	25.2	6.79	182
180970057	2013	11	6	6	V	0.6	6.9	6.8	178
180970057	2013	11	6	7	V	1.7	4.6	6.14	178
180970057	2013	11	6	8	V	12.1	10	6.04	182
180970057	2013	11	6	9	V	5.4	5.9	6.43	179
180970057	2013	11	6	10	V	18.3	16.9	5.63	185
180970057	2013	11	6	11	V	6.3	4	6.24	181
180970057	2013	11	6	12	V	8.9	2.6	6.18	182
180970057	2013	11	6	13	V	39.8	21.1	7.86	196
180970057	2013	11	6	14	V	3.7	22	9.3	205
180970057	2013	11	6	15	V	0.2	5.7	9.64	227
180970057	2013	11	6	16	V	0.2	3.8	8.39	227
180970057	2013	11	6	17	V	0.2	2.8	7.71	232
180970057	2013	11	6	18	V	0.6	2.1	6.77	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	6	19	V	0.03	1.6	7.82	295
180970057	2013	11	6	20	V	0.02	1.4	7.25	300
180970057	2013	11	6	21	V	0.03	1.4	6.6	299
180970057	2013	11	6	22	V	0.02	1.4	7.01	309
180970057	2013	11	6	23	V	0.03	1.5	6.24	310
180970057	2013	11	6	24	V	0.04	1.6	5.31	317
180970057	2013	11	7	1	V	0.04	1.5	4.56	309
180970057	2013	11	7	2	V	0.04	1.6	4.83	303
180970057	2013	11	7	3	V	0.03	1.6	4.58	303
180970057	2013	11	7	4	V	0.03	1.6	3.76	303
180970057	2013	11	7	5	V	0.03	1.7	4.63	308
180970057	2013	11	7	6	V	0.03	1.7	4.83	315
180970057	2013	11	7	7	V	0.1	1.7	4.1	321
180970057	2013	11	7	8	V	0.3	2	3.86	316
180970057	2013	11	7	9	V	1.1	2.5	2.79	294
180970057	2013	11	7	10	V	0.5	2.6	3.85	305
180970057	2013	11	7	11	V	0.5	2.4	3.54	281
180970057	2013	11	7	12	V	0.3	2	3.88	296
180970057	2013	11	7	13	V	0.2	1.7	4.73	281
180970057	2013	11	7	14	V	0.2	1.6	6.23	270
180970057	2013	11	7	15	V	0.2	1.8	6.96	260
180970057	2013	11	7	16	V	0.6	1.8	7.08	256
180970057	2013	11	7	17	V	0.6	2.7	6.92	257
180970057	2013	11	7	18	V	0.7	2.1	5.84	266
180970057	2013	11	7	19	V	0.8	1.8	3.91	251
180970057	2013	11	7	20	V	0.09	2	3.49	221
180970057	2013	11	7	21	V	0.6	2	6.02	247
180970057	2013	11	7	22	V	0.03	1.7	9	289
180970057	2013	11	7	23	V	0.01	1.5	6.74	295
180970057	2013	11	7	24	V	0.02	1.5	5.02	295
180970057	2013	11	8	1	V	0.7	1.4	2.81	276
180970057	2013	11	8	2	V	0.2	1.4	2.64	239
180970057	2013	11	8	3	V	0.1	1.5	2.25	234
180970057	2013	11	8	4	V	0.03	1.7	3.17	226
180970057	2013	11	8	5	V	0.3	1.5	3.51	249
180970057	2013	11	8	6	V	0.8	1.5	3.32	260
180970057	2013	11	8	7	V	0.6	1.7	2.67	255
180970057	2013	11	8	8	V	0.4	1.9	2.71	258
180970057	2013	11	8	9	V	0.7	2	2.03	266
180970057	2013	11	8	10	V	0.6	2.6	2.01	296
180970057	2013	11	8	11	V	0.8	2.6	1.53	276
180970057	2013	11	8	12	V	1.3	2.4	1.2	250
180970057	2013	11	8	13	V	0.4	2.4	2.23	239
180970057	2013	11	8	14	V	0.2	2.1	2.81	228
180970057	2013	11	8	15	V	0.2	2	2.11	205
180970057	2013	11	8	16	V	0.05	2	2.39	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	8	17	V	1.4	2.2	3.13	197
180970057	2013	11	8	18	V	1.3	2.7	3.32	191
180970057	2013	11	8	19	V	0.03	2.2	3	177
180970057	2013	11	8	20	V	0.02	1.8	3.4	166
180970057	2013	11	8	21	V	0.03	1.7	3	173
180970057	2013	11	8	22	V	0.04	1.8	4.22	168
180970057	2013	11	8	23	V	0.04	-999	3.73	172
180970057	2013	11	8	24	V	0.02	-999	4.87	166
180970057	2013	11	9	1	V	0.02	1.1	4.61	171
180970057	2013	11	9	2	V	0.4	1.5	5.24	180
180970057	2013	11	9	3	V	0.3	1.1	6.79	179
180970057	2013	11	9	4	V	4.5	1.2	6.14	186
180970057	2013	11	9	5	V	10.4	1.8	6.35	190
180970057	2013	11	9	6	V	8.7	43.8	6.87	197
180970057	2013	11	9	7	V	16.1	37.6	6.84	200
180970057	2013	11	9	8	V	11.7	7.9	5.97	203
180970057	2013	11	9	9	V	21.2	8.3	5.31	199
180970057	2013	11	9	10	V	0.09	6.9	7.38	222
180970057	2013	11	9	11	V	0.2	4	9.88	233
180970057	2013	11	9	12	V	0.3	3	10.44	239
180970057	2013	11	9	13	V	0.2	2.6	10.07	235
180970057	2013	11	9	14	V	0.1	2.2	9.47	228
180970057	2013	11	9	15	V	0.3	2	10	228
180970057	2013	11	9	16	V	0.2	2.1	9.41	226
180970057	2013	11	9	17	V	0.2	1.9	8.59	233
180970057	2013	11	9	18	V	0.4	2.2	6.98	238
180970057	2013	11	9	19	V	0.5	2.1	5.43	239
180970057	2013	11	9	20	V	0.6	1.8	4.51	238
180970057	2013	11	9	21	V	0.8	2	4.66	245
180970057	2013	11	9	22	V	0.7	2.1	4.61	249
180970057	2013	11	9	23	V	0.7	-999	4.05	256
180970057	2013	11	9	24	V	0.7	1.3	3.81	262
180970057	2013	11	10	1	V	0.6	1.3	4.19	267
180970057	2013	11	10	2	V	0.5	1.1	4.93	274
180970057	2013	11	10	3	V	0.02	1.1	6.55	293
180970057	2013	11	10	4	V	0.01	1	7.3	298
180970057	2013	11	10	5	V	0.02	1	6.45	293
180970057	2013	11	10	6	V	0.02	0.9	5.67	294
180970057	2013	11	10	7	V	0.09	0.9	5.27	291
180970057	2013	11	10	8	V	0.2	1	4.39	285
180970057	2013	11	10	9	V	0.1	1.1	5.73	281
180970057	2013	11	10	10	V	0.09	1.1	6.81	299
180970057	2013	11	10	11	V	0.09	1.1	6.75	305
180970057	2013	11	10	12	V	0.1	1.2	5.65	305
180970057	2013	11	10	13	V	0.1	1.2	5.12	300
180970057	2013	11	10	14	V	0.1	1.1	4.6	299

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	10	15	V	0.04	1.1	4.61	299
180970057	2013	11	10	16	V	0.04	1.1	4.02	302
180970057	2013	11	10	17	V	0.03	1.2	3.88	309
180970057	2013	11	10	18	V	0.07	1	2.61	305
180970057	2013	11	10	19	V	0.3	1.1	1.79	311
180970057	2013	11	10	20	V	1.2	1.2	1.5	266
180970057	2013	11	10	21	V	2.4	1.4	1.08	227
180970057	2013	11	10	22	V	0.08	1.2	2.66	147
180970057	2013	11	10	23	V	0.6	1.2	2.55	236
180970057	2013	11	10	24	V	0.2	0.9	1.77	219
180970057	2013	11	11	1	V	1.1	1	1.91	209
180970057	2013	11	11	2	V	0.4	1	1.89	241
180970057	2013	11	11	3	V	0.1	1.2	2.28	216
180970057	2013	11	11	4	V	1.3	1	2.44	179
180970057	2013	11	11	5	V	15.5	1.1	1.93	203
180970057	2013	11	11	6	V	81.3	1.9	2.52	194
180970057	2013	11	11	7	V	43.4	6.8	3.05	188
180970057	2013	11	11	8	V	39.3	22	3.73	191
180970057	2013	11	11	9	V	24.3	11.1	4.87	198
180970057	2013	11	11	10	V	8.0	10.8	6.7	204
180970057	2013	11	11	11	V	5.8	11.8	6.74	206
180970057	2013	11	11	12	V	0.1	10.9	6.13	223
180970057	2013	11	11	13	V	0.2	6.2	5.85	228
180970057	2013	11	11	14	V	0.1	5.6	5.97	226
180970057	2013	11	11	15	V	0.8	6.5	6.01	245
180970057	2013	11	11	16	V	0.7	6	6.35	241
180970057	2013	11	11	17	V	0.7	4.2	5.27	256
180970057	2013	11	11	18	V	0.3	3.1	4.58	281
180970057	2013	11	11	19	V	0.02	2.2	6.69	324
180970057	2013	11	11	20	V	0.02	1.1	7.72	353
180970057	2013	11	11	21	V	0.02	0.9	7.69	357
180970057	2013	11	11	22	V	0.02	0.9	7.84	1
180970057	2013	11	11	23	V	0.03	1	6.5	358
180970057	2013	11	11	24	V	0.02	0.9	8.18	11
180970057	2013	11	12	1	V	0.02	0.8	5.72	5
180970057	2013	11	12	2	V	0.03	0.9	5.7	11
180970057	2013	11	12	3	V	0.03	0.9	5.16	359
180970057	2013	11	12	4	V	0.02	0.9	5.36	6
180970057	2013	11	12	5	V	0.05	0.9	4.22	353
180970057	2013	11	12	6	V	0.03	0.8	4.53	353
180970057	2013	11	12	7	V	0.2	0.9	3.91	350
180970057	2013	11	12	8	V	0.2	1	4.44	351
180970057	2013	11	12	9	V	0.3	1.1	4.39	339
180970057	2013	11	12	10	V	0.1	1.1	5.72	339
180970057	2013	11	12	11	V	0.1	1.1	5.96	346
180970057	2013	11	12	12	V	0.1	1.1	5.67	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	12	13	V	0.1	1	5.84	338
180970057	2013	11	12	14	V	0.07	1	6.53	337
180970057	2013	11	12	15	V	0.05	1	6.92	325
180970057	2013	11	12	16	V	0.03	1	6.35	327
180970057	2013	11	12	17	V	0.03	1.1	6.06	324
180970057	2013	11	12	18	V	0.03	1.1	5.19	327
180970057	2013	11	12	19	V	0.06	1.3	2.74	319
180970057	2013	11	12	20	V	0.07	1.2	3.47	308
180970057	2013	11	12	21	V	0.03	1	5.26	305
180970057	2013	11	12	22	V	0.05	0.9	3.91	304
180970057	2013	11	12	23	V	0.07	1	3.03	300
180970057	2013	11	12	24	V	0.4	0.9	2.84	279
180970057	2013	11	13	1	V	0.6	0.9	2.69	265
180970057	2013	11	13	2	V	0.6	0.9	2.83	271
180970057	2013	11	13	3	V	0.1	0.9	2.59	282
180970057	2013	11	13	4	V	0.9	0.8	2.64	262
180970057	2013	11	13	5	V	0.4	0.9	2.15	244
180970057	2013	11	13	6	V	0.2	1	3.32	246
180970057	2013	11	13	7	V	0.3	1.1	3.2	242
180970057	2013	11	13	8	V	0.8	1.4	2.61	233
180970057	2013	11	13	9	V	1.2	1.3	3.1	226
180970057	2013	11	13	10	V	0.7	1.5	3.86	237
180970057	2013	11	13	11	V	0.5	2.5	4.41	246
180970057	2013	11	13	12	V	0.3	3.6	4.86	230
180970057	2013	11	13	13	V	0.3	5	5.36	233
180970057	2013	11	13	14	V	0.2	2.3	5.36	231
180970057	2013	11	13	15	V	0.6	3.3	6.96	235
180970057	2013	11	13	16	V	0.06	5.9	5.36	214
180970057	2013	11	13	17	V	0.05	9.5	6.46	220
180970057	2013	11	13	18	V	30.9	10.7	4.36	197
180970057	2013	11	13	19	V	3.9	11.7	3.36	203
180970057	2013	11	13	20	V	43.3	3.8	3.36	197
180970057	2013	11	13	21	V	43.0	7.2	3.49	197
180970057	2013	11	13	22	V	34.0	7.4	3.98	198
180970057	2013	11	13	23	V	49.3	5.2	4.09	196
180970057	2013	11	13	24	V	13.0	8.1	5.67	197
180970057	2013	11	14	1	V	12.8	6.2	5.38	198
180970057	2013	11	14	2	V	2.8	5.9	4.78	203
180970057	2013	11	14	3	V	0.3	9	4.54	208
180970057	2013	11	14	4	V	2.2	16.7	4.44	204
180970057	2013	11	14	5	V	0.4	11.4	4.99	207
180970057	2013	11	14	6	V	2.9	11.8	4.2	204
180970057	2013	11	14	7	V	8.6	11.7	3.56	206
180970057	2013	11	14	8	V	34.2	14.8	4.17	199
180970057	2013	11	14	9	V	25.1	20.6	4.58	201
180970057	2013	11	14	10	V	0.2	11.5	6.79	218

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	14	11	V	0.1	6.1	7.2	219
180970057	2013	11	14	12	V	0.1	4.3	7.88	222
180970057	2013	11	14	13	V	0.1	4.4	7.89	218
180970057	2013	11	14	14	V	0.07	5.6	8.42	220
180970057	2013	11	14	15	V	0.2	6.7	7.62	212
180970057	2013	11	14	16	V	2.5	7.5	7.45	204
180970057	2013	11	14	17	V	0.3	6.9	6.45	209
180970057	2013	11	14	18	V	37.0	11.9	4.9	192
180970057	2013	11	14	19	V	23.5	41.4	5.68	190
180970057	2013	11	14	20	V	19.3	22.1	5.78	189
180970057	2013	11	14	21	V	22.2	60.7	6.02	193
180970057	2013	11	14	22	V	28.9	24.4	5.46	193
180970057	2013	11	14	23	V	4.2	20	5.72	183
180970057	2013	11	14	24	V	18.9	23.4	5.1	187
180970057	2013	11	15	1	V	49.9	22.9	4.63	193
180970057	2013	11	15	2	V	4.1	6.6	4.46	205
180970057	2013	11	15	3	V	0.2	18.1	4.97	212
180970057	2013	11	15	4	V	6.1	24.9	5.31	202
180970057	2013	11	15	5	V	0.2	19.2	5.21	211
180970057	2013	11	15	6	V	0.5	18.6	4.43	210
180970057	2013	11	15	7	V	18.6	20.3	4.87	202
180970057	2013	11	15	8	V	36.3	8.5	4.65	197
180970057	2013	11	15	9	V	37.6	10.8	4.54	188
180970057	2013	11	15	10	V	39.7	13.8	4.08	198
180970057	2013	11	15	11	V	35.5	14.5	4.43	198
180970057	2013	11	15	12	V	24.3	6.7	4.83	201
180970057	2013	11	15	13	V	38.6	6.4	5.21	193
180970057	2013	11	15	14	V	31.5	8.6	5.43	188
180970057	2013	11	15	15	V	32.5	20.4	5.12	198
180970057	2013	11	15	16	V	3.2	10.6	5.43	204
180970057	2013	11	15	17	V	12.2	6.5	4.19	202
180970057	2013	11	15	18	V	27.5	7.8	4.32	186
180970057	2013	11	15	19	V	0.07	3.9	4.15	160
180970057	2013	11	15	20	V	0.05	3.8	4.32	161
180970057	2013	11	15	21	V	0.03	3.9	5.28	168
180970057	2013	11	15	22	V	0.05	3.6	3.83	163
180970057	2013	11	15	23	V	0.04	3	3.05	141
180970057	2013	11	15	24	V	0.04	1.8	3.9	137
180970057	2013	11	16	1	V	0.04	1.7	3.93	139
180970057	2013	11	16	2	V	0.03	2.4	4.51	148
180970057	2013	11	16	3	V	0.04	1.9	3.9	140
180970057	2013	11	16	4	V	0.04	1.6	4.1	145
180970057	2013	11	16	5	V	0.03	1.5	4.73	151
180970057	2013	11	16	6	V	0.04	1.4	3.68	143
180970057	2013	11	16	7	V	0.06	1.4	3.78	141
180970057	2013	11	16	8	V	0.1	1.1	4.03	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	16	9	V	0.1	1.1	4.51	155
180970057	2013	11	16	10	V	0.09	1	5.21	158
180970057	2013	11	16	11	V	0.09	1	5.68	157
180970057	2013	11	16	12	V	0.07	1.2	6.43	158
180970057	2013	11	16	13	V	0.07	1.2	6.89	159
180970057	2013	11	16	14	V	0.06	1.3	7.74	160
180970057	2013	11	16	15	V	0.06	1.6	7.52	153
180970057	2013	11	16	16	V	0.02	1.5	6.93	151
180970057	2013	11	16	17	V	0.03	1.3	4.86	148
180970057	2013	11	16	18	V	0.03	1.1	5.56	153
180970057	2013	11	16	19	V	0.02	1	7.31	166
180970057	2013	11	16	20	V	0.02	1	6.26	163
180970057	2013	11	16	21	V	0.03	1	5.09	157
180970057	2013	11	16	22	V	0.02	1	6.55	167
180970057	2013	11	16	23	V	0.3	-999	10.94	173
180970057	2013	11	16	24	V	0.8	0.8	10.75	176
180970057	2013	11	17	1	V	5.1	3.7	7.03	191
180970057	2013	11	17	2	V	0.02	1.7	4.46	145
180970057	2013	11	17	3	V	0.04	1.1	3.18	103
180970057	2013	11	17	4	V	0.02	1.3	4.99	160
180970057	2013	11	17	5	V	0.02	0.9	5.72	148
180970057	2013	11	17	6	V	0.02	0.7	5.53	146
180970057	2013	11	17	7	V	0.05	0.7	4.07	145
180970057	2013	11	17	8	V	0.08	0.6	5.48	158
180970057	2013	11	17	9	V	0.3	0.7	7.62	174
180970057	2013	11	17	10	V	0.1	0.9	9.15	172
180970057	2013	11	17	11	V	0.3	0.8	9.61	175
180970057	2013	11	17	12	V	0.6	0.9	9.95	176
180970057	2013	11	17	13	V	0.2	0.8	9.81	173
180970057	2013	11	17	14	V	0.8	1	10.83	177
180970057	2013	11	17	15	V	12.0	8.8	10.77	183
180970057	2013	11	17	16	V	23.7	35.8	12.92	201
180970057	2013	11	17	17	V	0.4	3.6	13.84	240
180970057	2013	11	17	18	V	0.2	3	14.57	274
180970057	2013	11	17	19	V	0.3	1.6	12.16	275
180970057	2013	11	17	20	V	0.3	1.1	12.11	268
180970057	2013	11	17	21	V	0.4	0.8	9.92	270
180970057	2013	11	17	22	V	0.4	0.8	7.83	274
180970057	2013	11	17	23	V	0.6	0.8	6.6	269
180970057	2013	11	17	24	V	0.4	0.8	8.08	273
180970057	2013	11	18	1	V	0.3	0.8	8.04	275
180970057	2013	11	18	2	V	0.08	0.7	6.96	285
180970057	2013	11	18	3	V	0.5	0.7	5.85	272
180970057	2013	11	18	4	V	0.6	0.7	5.16	255
180970057	2013	11	18	5	V	0.2	0.7	4.99	243
180970057	2013	11	18	6	V	0.2	0.7	4.88	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	18	7	V	0.7	0.8	5.63	260
180970057	2013	11	18	8	V	0.1	0.8	6.82	271
180970057	2013	11	18	9	V	0.1	0.9	7.3	272
180970057	2013	11	18	10	V	0.07	1	9.69	280
180970057	2013	11	18	11	V	0.06	1	9.7	282
180970057	2013	11	18	12	V	0.06	1	10.1	282
180970057	2013	11	18	13	V	0.08	1	10.94	276
180970057	2013	11	18	14	V	0.07	1.1	10.6	277
180970057	2013	11	18	15	V	0.2	0.9	10.83	279
180970057	2013	11	18	16	V	0.06	0.9	10.03	286
180970057	2013	11	18	17	V	0.04	0.9	9.97	289
180970057	2013	11	18	18	V	0.01	0.8	7.15	294
180970057	2013	11	18	19	V	0.01	0.8	6.97	298
180970057	2013	11	18	20	V	0.01	0.9	5.53	311
180970057	2013	11	18	21	V	0.03	1	4.15	310
180970057	2013	11	18	22	V	0.03	1	4.36	308
180970057	2013	11	18	23	V	0.03	0.9	3.8	307
180970057	2013	11	18	24	V	0.03	0.9	3.1	310
180970057	2013	11	19	1	V	0.02	0.8	3.52	313
180970057	2013	11	19	2	V	0.04	0.9	3.15	286
180970057	2013	11	19	3	V	0.07	0.9	2.5	299
180970057	2013	11	19	4	V	0.1	1.1	2.28	312
180970057	2013	11	19	5	V	0.03	1.2	3.32	316
180970057	2013	11	19	6	V	0.02	1.2	3.81	315
180970057	2013	11	19	7	V	0.06	1.3	3.76	339
180970057	2013	11	19	8	V	0.3	1.3	3.32	353
180970057	2013	11	19	9	V	0.5	1.4	3.22	3
180970057	2013	11	19	10	V	4.1	1.5	4.14	34
180970057	2013	11	19	11	V	13.3	2.2	4.61	43
180970057	2013	11	19	12	V	10.3	2.7	3.27	55
180970057	2013	11	19	13	V	5.2	2.1	3.39	59
180970057	2013	11	19	14	V	0.3	1.6	2.93	72
180970057	2013	11	19	15	V	0.1	1.3	3.13	102
180970057	2013	11	19	16	V	0.05	1.4	3.42	93
180970057	2013	11	19	17	V	0.05	1.1	3.8	105
180970057	2013	11	19	18	V	0.05	1	3.61	103
180970057	2013	11	19	19	V	0.08	1	2.49	96
180970057	2013	11	19	20	V	0.1	1	2.25	104
180970057	2013	11	19	21	V	0.05	0.9	3.22	92
180970057	2013	11	19	22	V	0.07	0.9	3.56	83
180970057	2013	11	19	23	V	0.05	0.9	3.56	89
180970057	2013	11	19	24	V	0.05	0.9	3.15	90
180970057	2013	11	20	1	V	0.06	0.9	2.91	87
180970057	2013	11	20	2	V	0.06	0.8	2.93	83
180970057	2013	11	20	3	V	0.05	0.9	3.83	81
180970057	2013	11	20	4	V	0.06	0.9	3.97	82

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	20	5	V	0.05	1	3.39	81
180970057	2013	11	20	6	V	0.05	1	4	86
180970057	2013	11	20	7	V	0.1	1	4.14	86
180970057	2013	11	20	8	V	0.1	1.3	5.22	90
180970057	2013	11	20	9	V	0.1	2.5	5.84	99
180970057	2013	11	20	10	V	0.1	2.6	6.26	114
180970057	2013	11	20	11	V	0.1	3.2	6.3	118
180970057	2013	11	20	12	V	0.1	4.8	6.07	135
180970057	2013	11	20	13	V	0.1	6.5	5.53	123
180970057	2013	11	20	14	V	0.1	6.2	4.56	124
180970057	2013	11	20	15	V	0.1	4.4	4.75	128
180970057	2013	11	20	16	V	0.06	3	4.53	131
180970057	2013	11	20	17	V	0.07	2.5	4.17	139
180970057	2013	11	20	18	V	0.06	1.9	3.01	127
180970057	2013	11	20	19	V	0.1	1.9	3.34	136
180970057	2013	11	20	20	V	0.1	2.2	3.56	134
180970057	2013	11	20	21	V	0.09	2.1	4.19	133
180970057	2013	11	20	22	V	0.06	1.6	4.8	143
180970057	2013	11	20	23	V	0.07	1.6	4.58	143
180970057	2013	11	20	24	V	0.05	1.6	5.16	140
180970057	2013	11	21	1	V	0.07	1.4	4.58	141
180970057	2013	11	21	2	V	0.05	1.5	4.66	142
180970057	2013	11	21	3	V	0.06	1.5	4.24	146
180970057	2013	11	21	4	V	0.08	1.5	3.83	151
180970057	2013	11	21	5	V	0.05	1.1	4.65	139
180970057	2013	11	21	6	V	0.06	1.1	4.63	140
180970057	2013	11	21	7	V	0.07	1.2	4.95	140
180970057	2013	11	21	8	V	0.1	1.3	4.75	137
180970057	2013	11	21	9	V	0.1	1.2	5	141
180970057	2013	11	21	10	V	0.2	1.3	4.71	148
180970057	2013	11	21	11	V	0.2	1.2	4.71	143
180970057	2013	11	21	12	V	0.5	-999	3	141
180970057	2013	11	21	13	V	0.9	-999	2.3	134
180970057	2013	11	21	14	V	0.6	1.6	2.35	152
180970057	2013	11	21	15	V	103.4	1.7	1.33	197
180970057	2013	11	21	16	V	2.0	1.2	1.04	127
180970057	2013	11	21	17	V	2.5	1.5	0.97	345
180970057	2013	11	21	18	V	15.3	1.8	0.52	251
180970057	2013	11	21	19	V	5.8	1.6	0.79	126
180970057	2013	11	21	20	V	0.1	1.2	2.23	118
180970057	2013	11	21	21	V	0.09	1.2	2.62	125
180970057	2013	11	21	22	V	0.08	1	3.56	162
180970057	2013	11	21	23	V	46.6	1.6	2.83	190
180970057	2013	11	21	24	V	6.5	1	2.83	182
180970057	2013	11	22	1	V	4.9	1.1	3.17	181
180970057	2013	11	22	2	V	3.1	1.1	2.78	205

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	22	3	V	0.2	1.2	3.13	237
180970057	2013	11	22	4	V	0.7	1	2.44	277
180970057	2013	11	22	5	V	0.2	1	1.76	311
180970057	2013	11	22	6	V	0.09	0.9	2.36	320
180970057	2013	11	22	7	V	0.09	1	3.36	312
180970057	2013	11	22	8	V	0.2	0.9	3.86	314
180970057	2013	11	22	9	V	0.3	1	3.86	314
180970057	2013	11	22	10	V	0.1	1	6.46	323
180970057	2013	11	22	11	V	0.07	1	6.96	328
180970057	2013	11	22	12	V	0.08	0.9	5.36	331
180970057	2013	11	22	13	V	0.07	1	7.46	332
180970057	2013	11	22	14	V	0.06	0.9	7.78	338
180970057	2013	11	22	15	V	0.03	0.8	7.83	340
180970057	2013	11	22	16	V	0.03	0.9	6.82	345
180970057	2013	11	22	17	V	0.03	0.9	7.11	340
180970057	2013	11	22	18	V	0.03	0.9	7.42	336
180970057	2013	11	22	19	V	0.04	0.8	8.61	337
180970057	2013	11	22	20	V	0.02	0.8	7.83	342
180970057	2013	11	22	21	V	0.03	0.8	6.82	342
180970057	2013	11	22	22	V	0.03	0.7	5.14	338
180970057	2013	11	22	23	V	0.05	0.7	4.56	343
180970057	2013	11	22	24	V	0.04	0.8	4.63	336
180970057	2013	11	23	1	V	0.06	0.7	3.86	333
180970057	2013	11	23	2	V	0.04	0.8	3.83	329
180970057	2013	11	23	3	V	0.05	0.8	3.1	325
180970057	2013	11	23	4	V	0.07	0.8	2.67	305
180970057	2013	11	23	5	V	0.05	0.9	2.98	303
180970057	2013	11	23	6	V	0.05	1.2	3.8	310
180970057	2013	11	23	7	V	0.1	0.9	2.98	287
180970057	2013	11	23	8	V	0.7	0.8	3.57	277
180970057	2013	11	23	9	V	0.7	0.9	3.85	270
180970057	2013	11	23	10	V	0.2	1.1	5.85	295
180970057	2013	11	23	11	V	0.1	1.1	7.98	306
180970057	2013	11	23	12	V	0.09	1.1	8.62	316
180970057	2013	11	23	13	V	0.08	1.2	8.64	312
180970057	2013	11	23	14	V	0.06	1	9.15	315
180970057	2013	11	23	15	V	0.03	1	9.83	325
180970057	2013	11	23	16	V	0.02	0.9	8.85	326
180970057	2013	11	23	17	V	0.02	1	8.28	326
180970057	2013	11	23	18	V	0.02	1	8.13	323
180970057	2013	11	23	19	V	0.02	0.9	7.94	326
180970057	2013	11	23	20	V	0.02	1	7.43	330
180970057	2013	11	23	21	V	0.02	0.9	7.31	328
180970057	2013	11	23	22	V	0.02	1	6.67	331
180970057	2013	11	23	23	V	0.03	-999	5.22	326
180970057	2013	11	23	24	V	0.02	1	5.79	318

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	24	1	V	0.03	1.1	6.43	316
180970057	2013	11	24	2	V	0.02	1.1	5.55	314
180970057	2013	11	24	3	V	0.03	1.1	5.31	311
180970057	2013	11	24	4	V	0.03	1.3	5.04	312
180970057	2013	11	24	5	V	0.05	1.2	4.51	326
180970057	2013	11	24	6	V	0.03	1.1	4.66	330
180970057	2013	11	24	7	V	0.07	1	3.08	318
180970057	2013	11	24	8	V	0.8	1	2.76	301
180970057	2013	11	24	9	V	0.8	1.3	3.57	310
180970057	2013	11	24	10	V	0.5	1.8	3.24	312
180970057	2013	11	24	11	V	0.9	1.7	2.45	327
180970057	2013	11	24	12	V	1.0	1.4	2.16	330
180970057	2013	11	24	13	V	0.4	1.2	2.76	316
180970057	2013	11	24	14	V	0.2	1.2	2.66	303
180970057	2013	11	24	15	V	0.5	1.1	2.19	279
180970057	2013	11	24	16	V	0.3	1.2	1.77	321
180970057	2013	11	24	17	V	0.3	1.3	1.81	292
180970057	2013	11	24	18	V	0.2	1.2	2.01	300
180970057	2013	11	24	19	V	0.8	1.1	1.42	324
180970057	2013	11	24	20	V	11.7	1.1	0.62	295
180970057	2013	11	24	21	V	1.5	1.1	1.2	144
180970057	2013	11	24	22	V	0.09	1	2.62	166
180970057	2013	11	24	23	V	57.1	1.1	2.91	197
180970057	2013	11	24	24	V	64.4	2	3.01	195
180970057	2013	11	25	1	V	1.4	2.7	3.22	181
180970057	2013	11	25	2	V	0.3	2.2	3.69	176
180970057	2013	11	25	3	V	0.1	1.7	3.51	172
180970057	2013	11	25	4	V	9.5	2.2	3.63	182
180970057	2013	11	25	5	V	0.5	3.7	4.03	175
180970057	2013	11	25	6	V	0.08	1.6	3.97	165
180970057	2013	11	25	7	V	0.9	1.4	4.08	175
180970057	2013	11	25	8	V	3.3	1.4	3.9	173
180970057	2013	11	25	9	V	41.9	6.2	4.34	188
180970057	2013	11	25	10	V	43.6	23.8	5.38	191
180970057	2013	11	25	11	V	43.5	36.8	4.78	193
180970057	2013	11	25	12	V	1.7	10.1	5.63	207
180970057	2013	11	25	13	V	0.09	9.2	5.97	213
180970057	2013	11	25	14	V	0.05	11.3	5.77	220
180970057	2013	11	25	15	V	0.1	3.4	5	221
180970057	2013	11	25	16	V	0.1	3.1	4.82	215
180970057	2013	11	25	17	V	1.5	12.6	5.22	207
180970057	2013	11	25	18	V	2.3	22.7	5.24	206
180970057	2013	11	25	19	V	22.6	8.3	4.65	200
180970057	2013	11	25	20	V	0.09	5.4	5.22	215
180970057	2013	11	25	21	V	0.07	5.9	5.73	220
180970057	2013	11	25	22	V	0.1	4.2	4.8	215

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	25	23	V	0.2	6.7	3.63	213
180970057	2013	11	25	24	V	0.1	5.9	2.95	219
180970057	2013	11	26	1	V	0.1	4.1	2.42	228
180970057	2013	11	26	2	V	0.09	4.5	3.86	223
180970057	2013	11	26	3	V	0.07	4.4	4.61	226
180970057	2013	11	26	4	V	0.06	3.6	4.46	221
180970057	2013	11	26	5	V	0.07	3.3	3.56	224
180970057	2013	11	26	6	V	0.07	2.9	3.25	221
180970057	2013	11	26	7	V	0.1	2.9	2.15	225
180970057	2013	11	26	8	V	0.7	3.3	2.03	226
180970057	2013	11	26	9	V	1.0	3.6	2.2	258
180970057	2013	11	26	10	V	1.6	4	1.91	258
180970057	2013	11	26	11	V	1.0	3.9	2.22	300
180970057	2013	11	26	12	V	6.5	3.4	1.08	265
180970057	2013	11	26	13	V	4.5	2.6	1.16	298
180970057	2013	11	26	14	V	1.0	3.7	1.81	315
180970057	2013	11	26	15	V	0.1	3.9	3.22	312
180970057	2013	11	26	16	V	0.07	3.1	2.78	305
180970057	2013	11	26	17	V	0.08	2.4	2.98	310
180970057	2013	11	26	18	V	0.08	1.9	3.25	319
180970057	2013	11	26	19	V	0.07	1.9	4.58	312
180970057	2013	11	26	20	V	0.03	1.7	6.28	318
180970057	2013	11	26	21	V	0.04	1.9	5.77	313
180970057	2013	11	26	22	V	0.02	1.7	7.43	317
180970057	2013	11	26	23	V	0.02	1.1	7.69	327
180970057	2013	11	26	24	V	0.03	0.9	7.98	340
180970057	2013	11	27	1	V	0.03	1	6.43	340
180970057	2013	11	27	2	V	0.02	1.1	6.35	320
180970057	2013	11	27	3	V	0.02	1.1	7.33	318
180970057	2013	11	27	4	V	0.02	1	7.98	329
180970057	2013	11	27	5	V	0.02	1.2	7.16	317
180970057	2013	11	27	6	V	0.02	1.2	6.81	306
180970057	2013	11	27	7	V	0.02	1.2	7.08	304
180970057	2013	11	27	8	V	0.04	1.2	7.21	301
180970057	2013	11	27	9	V	0.09	1.2	7.03	302
180970057	2013	11	27	10	V	0.09	1.2	6.72	309
180970057	2013	11	27	11	V	0.07	1.2	6.62	307
180970057	2013	11	27	12	V	0.07	1.2	6.28	306
180970057	2013	11	27	13	V	0.09	1.2	6.21	296
180970057	2013	11	27	14	V	0.08	1.4	6.52	300
180970057	2013	11	27	15	V	0.03	1.4	6.75	299
180970057	2013	11	27	16	V	0.02	1.3	6.62	292
180970057	2013	11	27	17	V	0.03	1.3	6.19	290
180970057	2013	11	27	18	V	0.5	1.3	5.33	272
180970057	2013	11	27	19	V	0.7	1.1	3.51	263
180970057	2013	11	27	20	V	0.7	1.1	3.27	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	27	21	V	0.8	1.1	3.25	248
180970057	2013	11	27	22	V	0.6	1.1	3.52	238
180970057	2013	11	27	23	V	0.9	1.1	3.46	245
180970057	2013	11	27	24	V	0.9	1.1	3.18	247
180970057	2013	11	28	1	V	0.2	1.2	3.08	238
180970057	2013	11	28	2	V	0.3	1.2	2.86	245
180970057	2013	11	28	3	V	0.06	1.1	3.12	224
180970057	2013	11	28	4	V	0.2	1.1	2.79	240
180970057	2013	11	28	5	V	0.09	1.1	2.86	223
180970057	2013	11	28	6	V	0.09	1.3	3.22	224
180970057	2013	11	28	7	V	8.7	2.3	3.3	204
180970057	2013	11	28	8	V	18.2	15	4	181
180970057	2013	11	28	9	V	7.2	21.1	4.19	176
180970057	2013	11	28	10	V	20.0	33.7	5.73	184
180970057	2013	11	28	11	V	31.6	70.7	7.33	191
180970057	2013	11	28	12	V	30.6	27.7	7.25	195
180970057	2013	11	28	13	V	44.0	17.5	6.72	193
180970057	2013	11	28	14	V	13.7	16.9	6.24	201
180970057	2013	11	28	15	V	0.09	3.5	7.37	223
180970057	2013	11	28	16	V	0.5	4.3	7.54	235
180970057	2013	11	28	17	V	0.2	6.1	5.65	230
180970057	2013	11	28	18	V	0.6	4.3	4.34	239
180970057	2013	11	28	19	V	0.5	3.8	3.03	232
180970057	2013	11	28	20	V	0.6	3.1	2.39	231
180970057	2013	11	28	21	V	0.3	2.8	2.78	226
180970057	2013	11	28	22	V	1.1	2.5	2.71	247
180970057	2013	11	28	23	V	0.9	2.4	2.47	275
180970057	2013	11	28	24	V	0.2	2.1	1.89	294
180970057	2013	11	29	1	V	0.2	1.9	1.74	294
180970057	2013	11	29	2	V	0.3	1.8	1.65	304
180970057	2013	11	29	3	V	0.08	1.6	2.44	323
180970057	2013	11	29	4	V	0.07	1.7	2.4	340
180970057	2013	11	29	5	V	0.1	1.5	2.01	359
180970057	2013	11	29	6	V	0.2	1.6	1.81	19
180970057	2013	11	29	7	V	0.5	1.7	1.35	16
180970057	2013	11	29	8	V	8.8	1.8	0.94	25
180970057	2013	11	29	9	V	15.6	2.1	0.69	347
180970057	2013	11	29	10	V	17.2	2.5	1.96	43
180970057	2013	11	29	11	V	1.7	2.4	2.62	71
180970057	2013	11	29	12	V	0.3	2	3.2	103
180970057	2013	11	29	13	V	0.2	2	3.11	116
180970057	2013	11	29	14	V	0.09	1.8	3.18	118
180970057	2013	11	29	15	V	0.06	1.8	3.01	111
180970057	2013	11	29	16	V	0.03	1.8	3.12	107
180970057	2013	11	29	17	V	0.03	1.5	2.81	95
180970057	2013	11	29	18	V	0.04	1.4	2.74	116

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	11	29	19	V	0.06	1.3	2.55	89
180970057	2013	11	29	20	V	0.07	1.4	2.49	98
180970057	2013	11	29	21	V	0.04	6.5	2.95	110
180970057	2013	11	29	22	V	0.03	4.4	3.22	116
180970057	2013	11	29	23	V	0.03	3.4	3.59	124
180970057	2013	11	29	24	V	0.03	3.2	3.66	133
180970057	2013	11	30	1	V	0.03	3.2	3.56	130
180970057	2013	11	30	2	V	0.04	2.5	2.64	130
180970057	2013	11	30	3	V	0.03	2	2.81	136
180970057	2013	11	30	4	V	0.07	2	2.11	126
180970057	2013	11	30	5	V	0.06	2.4	2.28	121
180970057	2013	11	30	6	V	0.2	2.7	1.64	124
180970057	2013	11	30	7	V	0.05	2.6	2.81	133
180970057	2013	11	30	8	V	0.3	2.6	2.71	142
180970057	2013	11	30	9	V	0.7	3.1	2.57	142
180970057	2013	11	30	10	V	3.1	7.6	3.29	170
180970057	2013	11	30	11	V	20.6	35.7	4.1	185
180970057	2013	11	30	12	V	21.4	21	4.9	190
180970057	2013	11	30	13	V	18.5	21.8	5.77	190
180970057	2013	11	30	14	V	18.3	12.5	5.92	191
180970057	2013	11	30	15	V	10.7	17.7	6.06	191
180970057	2013	11	30	16	V	6.7	13.5	6.89	194
180970057	2013	11	30	17	V	4.2	9.7	6.01	199
180970057	2013	11	30	18	V	0.2	5.4	4.75	209
180970057	2013	11	30	19	V	36.6	4.5	3.98	191
180970057	2013	11	30	20	V	29.4	4.4	3.49	189
180970057	2013	11	30	21	V	2.6	3.5	3.81	182
180970057	2013	11	30	22	V	0.03	2.8	3.17	172
180970057	2013	11	30	23	V	40.7	-999	3.18	191
180970057	2013	11	30	24	V	1.3	5	3.34	204
180970057	2013	12	1	1	V	0.2	6.9	3.56	209
180970057	2013	12	1	2	V	0.03	8.9	3.18	220
180970057	2013	12	1	3	V	0.06	8.5	2.69	217
180970057	2013	12	1	4	V	0.02	7.8	3.98	218
180970057	2013	12	1	5	V	0.08	7.6	4.03	233
180970057	2013	12	1	6	V	0.1	5	4.27	237
180970057	2013	12	1	7	V	0.05	4.8	3.68	228
180970057	2013	12	1	8	V	0.3	5.2	2.88	235
180970057	2013	12	1	9	V	0.7	6.2	2.76	232
180970057	2013	12	1	10	V	0.3	7.1	4.2	226
180970057	2013	12	1	11	V	0.4	5.6	4.92	240
180970057	2013	12	1	12	V	0.8	5.8	3.68	244
180970057	2013	12	1	13	V	0.7	5.2	3.25	241
180970057	2013	12	1	14	V	0.5	4.5	4.05	244
180970057	2013	12	1	15	V	0.7	4.1	4.15	264
180970057	2013	12	1	16	V	0.7	3.7	3.63	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	1	17	V	0.7	3.3	2.89	264
180970057	2013	12	1	18	V	0.05	2.6	2.71	322
180970057	2013	12	1	19	V	0.07	2.3	2.61	329
180970057	2013	12	1	20	V	0.3	2	1.67	347
180970057	2013	12	1	21	V	0.1	2	2.1	3
180970057	2013	12	1	22	V	0.05	1.9	3.1	32
180970057	2013	12	1	23	V	8.8	2.6	2.4	48
180970057	2013	12	1	24	V	1.2	2.7	2.83	40
180970057	2013	12	2	1	V	7.9	2.1	2.45	49
180970057	2013	12	2	2	V	5.6	2.4	2.52	43
180970057	2013	12	2	3	V	1.1	2	2.86	38
180970057	2013	12	2	4	V	1.8	2	3.12	39
180970057	2013	12	2	5	V	6.6	1.8	2.96	47
180970057	2013	12	2	6	V	0.9	2.6	3.86	36
180970057	2013	12	2	7	V	4.2	2.1	3.44	52
180970057	2013	12	2	8	V	11.1	1.9	3.32	52
180970057	2013	12	2	9	V	11.1	1.8	2.64	52
180970057	2013	12	2	10	V	1.3	1.9	2.37	73
180970057	2013	12	2	11	V	0.3	2.4	3.68	97
180970057	2013	12	2	12	V	0.2	2.8	4.32	107
180970057	2013	12	2	13	V	0.7	4.3	3.05	111
180970057	2013	12	2	14	V	0.8	4.4	2.62	95
180970057	2013	12	2	15	V	0.1	4.3	3.68	100
180970057	2013	12	2	16	V	0.09	4.2	3.9	94
180970057	2013	12	2	17	V	0.1	3.8	2.48	114
180970057	2013	12	2	18	V	0.09	3.1	2.86	79
180970057	2013	12	2	19	V	0.09	2.5	3.11	80
180970057	2013	12	2	20	V	0.09	2	3.29	77
180970057	2013	12	2	21	V	0.1	1.5	3.68	78
180970057	2013	12	2	22	V	0.08	1.4	3.66	92
180970057	2013	12	2	23	V	0.09	2.7	3.97	110
180970057	2013	12	2	24	V	0.08	3.1	3.9	107
180970057	2013	12	3	1	V	0.06	2.6	3.37	103
180970057	2013	12	3	2	V	0.04	2.3	4.54	116
180970057	2013	12	3	3	V	0.04	2.4	3.8	99
180970057	2013	12	3	4	V	0.07	2	2.88	90
180970057	2013	12	3	5	V	0.2	1.9	2.03	89
180970057	2013	12	3	6	V	0.05	1.6	3.35	111
180970057	2013	12	3	7	V	0.09	1.7	3.01	104
180970057	2013	12	3	8	V	0.3	1.7	3.24	95
180970057	2013	12	3	9	V	0.2	1.8	3.76	111
180970057	2013	12	3	10	V	0.3	1.6	3.34	147
180970057	2013	12	3	11	V	0.3	1.5	3.76	133
180970057	2013	12	3	12	V	0.4	1.5	3.18	147
180970057	2013	12	3	13	V	0.1	1.8	4.93	132
180970057	2013	12	3	14	V	0.1	1.7	4.58	140

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	3	15	V	0.09	1.6	4.27	138
180970057	2013	12	3	16	V	0.03	1.5	5.55	137
180970057	2013	12	3	17	V	0.06	1.3	4.54	148
180970057	2013	12	3	18	V	0.08	1.3	2.76	155
180970057	2013	12	3	19	V	0.08	1.3	3.42	129
180970057	2013	12	3	20	V	0.07	1.3	3.59	120
180970057	2013	12	3	21	V	0.08	1.3	3.92	123
180970057	2013	12	3	22	V	0.07	1.3	3.27	127
180970057	2013	12	3	23	V	0.05	1.2	3.35	136
180970057	2013	12	3	24	V	0.05	1	4.2	126
180970057	2013	12	4	1	V	0.03	0.8	5	137
180970057	2013	12	4	2	V	0.03	0.8	4.36	137
180970057	2013	12	4	3	V	0.04	0.8	4.26	143
180970057	2013	12	4	4	V	0.04	0.8	4.15	159
180970057	2013	12	4	5	V	0.04	1.3	4.36	163
180970057	2013	12	4	6	V	0.05	1.1	3.83	134
180970057	2013	12	4	7	V	0.05	0.9	4.41	132
180970057	2013	12	4	8	V	0.1	0.9	3.88	144
180970057	2013	12	4	9	V	0.1	0.9	3.9	132
180970057	2013	12	4	10	V	0.1	1	4.71	135
180970057	2013	12	4	11	V	0.08	0.9	5.12	128
180970057	2013	12	4	12	V	0.07	0.9	5.87	132
180970057	2013	12	4	13	V	0.06	0.9	6.46	142
180970057	2013	12	4	14	V	0.07	0.8	5.38	156
180970057	2013	12	4	15	V	0.03	0.9	5.48	163
180970057	2013	12	4	16	V	0.02	1	5.62	161
180970057	2013	12	4	17	V	0.03	1.1	5.04	148
180970057	2013	12	4	18	V	0.03	1	4.14	146
180970057	2013	12	4	19	V	0.04	0.9	3.76	143
180970057	2013	12	4	20	V	0.04	0.9	4.17	142
180970057	2013	12	4	21	V	0.03	0.9	4.14	165
180970057	2013	12	4	22	V	17.5	1.3	5.22	192
180970057	2013	12	4	23	V	0.05	5	5.62	214
180970057	2013	12	4	24	V	0.1	2.7	6.96	226
180970057	2013	12	5	1	V	0.02	1.8	5.34	218
180970057	2013	12	5	2	V	0.1	1.3	7.14	235
180970057	2013	12	5	3	V	0.5	1.4	6.77	273
180970057	2013	12	5	4	V	0.6	1.1	5.63	269
180970057	2013	12	5	5	V	0.3	1	6.3	277
180970057	2013	12	5	6	V	0.09	0.9	5.84	285
180970057	2013	12	5	7	V	0.1	0.9	6.6	284
180970057	2013	12	5	8	V	0.2	0.8	6.96	280
180970057	2013	12	5	9	V	0.03	0.8	6.6	297
180970057	2013	12	5	10	V	0.04	0.8	7.06	296
180970057	2013	12	5	11	V	0.04	0.8	6.41	297
180970057	2013	12	5	12	V	0.04	0.7	6.62	299

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	5	13	V	0.04	0.7	5.29	297
180970057	2013	12	5	14	V	0.05	0.7	5.36	297
180970057	2013	12	5	15	V	0.02	0.8	6.04	309
180970057	2013	12	5	16	V	0.03	0.7	5.34	301
180970057	2013	12	5	17	V	0.03	0.8	4.95	301
180970057	2013	12	5	18	V	0.04	0.8	3.85	311
180970057	2013	12	5	19	V	0.02	0.7	5.9	318
180970057	2013	12	5	20	V	0.02	0.7	6.26	316
180970057	2013	12	5	21	V	0.02	0.7	5.84	315
180970057	2013	12	5	22	V	0.04	0.7	4.07	319
180970057	2013	12	5	23	V	0.02	0.7	5.36	326
180970057	2013	12	5	24	V	0.04	0.7	4.36	310
180970057	2013	12	6	1	V	0.04	0.7	4.14	322
180970057	2013	12	6	2	V	0.04	0.8	4.66	325
180970057	2013	12	6	3	V	0.03	0.9	4.92	326
180970057	2013	12	6	4	V	0.04	0.9	4.29	333
180970057	2013	12	6	5	V	0.04	0.9	4.49	328
180970057	2013	12	6	6	V	0.05	0.8	3.85	352
180970057	2013	12	6	7	V	0.03	0.9	4.9	347
180970057	2013	12	6	8	V	0.07	0.9	4.66	346
180970057	2013	12	6	9	V	0.04	1	4.32	353
180970057	2013	12	6	10	V	0.05	1	4.46	352
180970057	2013	12	6	11	V	0.05	1.1	4.6	342
180970057	2013	12	6	12	V	0.06	1.1	3.78	7
180970057	2013	12	6	13	V	0.04	1.1	3.9	5
180970057	2013	12	6	14	V	0.03	1	4.78	349
180970057	2013	12	6	15	V	0.02	1	6.41	340
180970057	2013	12	6	16	V	0.03	1	4.95	348
180970057	2013	12	6	17	V	0.02	1	5.56	339
180970057	2013	12	6	18	V	0.02	0.9	5.41	337
180970057	2013	12	6	19	V	0.03	0.9	5.07	329
180970057	2013	12	6	20	V	0.04	0.9	4.68	334
180970057	2013	12	6	21	V	0.04	0.9	4.63	326
180970057	2013	12	6	22	V	0.03	0.9	5.12	325
180970057	2013	12	6	23	V	0.02	1	5.53	332
180970057	2013	12	6	24	V	0.02	1.1	5.12	326
180970057	2013	12	7	1	V	0.02	1	5.09	314
180970057	2013	12	7	2	V	0.01	1.2	5.7	322
180970057	2013	12	7	3	V	0.02	1.4	4.56	317
180970057	2013	12	7	4	V	0.02	1.2	4.66	318
180970057	2013	12	7	5	V	0.02	1.1	4.09	315
180970057	2013	12	7	6	V	0.02	1.1	4.73	325
180970057	2013	12	7	7	V	0.03	1	3.68	328
180970057	2013	12	7	8	V	0.2	1.1	3.18	338
180970057	2013	12	7	9	V	0.3	1.2	3.64	333
180970057	2013	12	7	10	V	0.1	1.3	4.14	341

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	7	11	V	0.4	1.7	2.78	331
180970057	2013	12	7	12	V	0.7	1.9	2.11	324
180970057	2013	12	7	13	V	0.2	1.7	3.37	1
180970057	2013	12	7	14	V	0.1	1.5	3.23	14
180970057	2013	12	7	15	V	0.06	1.4	2.78	8
180970057	2013	12	7	16	V	0.04	1.3	3.47	351
180970057	2013	12	7	17	V	0.03	1.2	3.91	19
180970057	2013	12	7	18	V	0.03	1.2	3.03	17
180970057	2013	12	7	19	V	0.2	1.2	1.6	15
180970057	2013	12	7	20	V	16.7	1.1	1.47	41
180970057	2013	12	7	21	V	1.1	1.2	1.59	29
180970057	2013	12	7	22	V	1.8	1.1	2.32	37
180970057	2013	12	7	23	V	0.05	-999	3.12	61
180970057	2013	12	7	24	V	0.03	0.9	3.12	73
180970057	2013	12	8	1	V	0.05	1	3.71	73
180970057	2013	12	8	2	V	0.05	0.9	4.2	89
180970057	2013	12	8	3	V	0.04	1.1	4.56	87
180970057	2013	12	8	4	V	0.03	0.9	4.95	83
180970057	2013	12	8	5	V	0.04	1	4.61	75
180970057	2013	12	8	6	V	0.03	1	5.11	70
180970057	2013	12	8	7	V	1.3	2.5	5.34	51
180970057	2013	12	8	8	V	0.3	2.6	5.87	59
180970057	2013	12	8	9	V	0.4	1.3	5.92	67
180970057	2013	12	8	10	V	0.07	1.3	6.52	74
180970057	2013	12	8	11	V	0.07	1.5	6.47	76
180970057	2013	12	8	12	V	0.07	1.9	6.38	88
180970057	2013	12	8	13	V	0.06	2.1	6.38	90
180970057	2013	12	8	14	V	0.06	1.9	5.97	91
180970057	2013	12	8	15	V	0.02	1.8	5.75	89
180970057	2013	12	8	16	V	0.02	1.8	5.84	100
180970057	2013	12	8	17	V	0.03	1.8	4.95	104
180970057	2013	12	8	18	V	0.03	2	4.54	110
180970057	2013	12	8	19	V	0.03	1.9	4.68	118
180970057	2013	12	8	20	V	0.04	2	3.71	123
180970057	2013	12	8	21	V	0.04	2.4	3.3	161
180970057	2013	12	8	22	V	0.04	2.8	3.8	167
180970057	2013	12	8	23	V	33.9	3.7	3.76	193
180970057	2013	12	8	24	V	1.1	3.2	4.29	207
180970057	2013	12	9	1	V	0.05	3.5	5.39	229
180970057	2013	12	9	2	V	0.2	2.3	6.58	242
180970057	2013	12	9	3	V	0.3	2	7.13	247
180970057	2013	12	9	4	V	0.5	2.5	7.04	252
180970057	2013	12	9	5	V	0.5	4.5	7.31	253
180970057	2013	12	9	6	V	0.5	2.9	7.2	254
180970057	2013	12	9	7	V	0.6	2.6	6.64	255
180970057	2013	12	9	8	V	0.7	2.2	6.21	258

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	9	9	V	0.2	2.1	6.11	266
180970057	2013	12	9	10	V	0.09	2	7.96	270
180970057	2013	12	9	11	V	0.1	-999	6.45	277
180970057	2013	12	9	12	V	0.2	-999	6.16	265
180970057	2013	12	9	13	V	0.2	1.9	7.98	259
180970057	2013	12	9	14	V	0.2	2	8.16	257
180970057	2013	12	9	15	V	0.5	2	6.45	269
180970057	2013	12	9	16	V	0.6	1.8	6.53	267
180970057	2013	12	9	17	V	0.2	1.8	5.67	280
180970057	2013	12	9	18	V	0.5	1.5	5.53	274
180970057	2013	12	9	19	V	0.5	1.5	5.84	269
180970057	2013	12	9	20	V	0.6	1.6	4.17	272
180970057	2013	12	9	21	V	0.6	1.7	3.41	275
180970057	2013	12	9	22	V	0.09	1.5	4.25	286
180970057	2013	12	9	23	V	0.1	1.5	4.42	284
180970057	2013	12	9	24	V	0.08	1.4	3.93	286
180970057	2013	12	10	1	V	0.2	1.2	2.79	281
180970057	2013	12	10	2	V	0.8	1.1	2.39	273
180970057	2013	12	10	3	V	0.04	1.1	3.06	289
180970057	2013	12	10	4	V	0.04	1.3	3.76	303
180970057	2013	12	10	5	V	0.04	1.3	3.51	307
180970057	2013	12	10	6	V	0.5	1.3	3.23	277
180970057	2013	12	10	7	V	0.05	1.3	4.24	290
180970057	2013	12	10	8	V	0.3	1.2	3.17	284
180970057	2013	12	10	9	V	0.7	1.4	3.03	232
180970057	2013	12	10	10	V	6.9	3.1	5.5	204
180970057	2013	12	10	11	V	0.07	7	7.65	221
180970057	2013	12	10	12	V	0.08	4.2	9.1	228
180970057	2013	12	10	13	V	0.2	3.1	9.44	233
180970057	2013	12	10	14	V	0.3	2.7	10.92	245
180970057	2013	12	10	15	V	0.7	2.8	9.39	248
180970057	2013	12	10	16	V	0.8	3.9	7.98	243
180970057	2013	12	10	17	V	0.3	3.6	6.74	236
180970057	2013	12	10	18	V	0.2	2.3	6.79	230
180970057	2013	12	10	19	V	0.3	1.7	6.21	233
180970057	2013	12	10	20	V	0.3	1.7	3.98	229
180970057	2013	12	10	21	V	0.07	2.1	3.32	222
180970057	2013	12	10	22	V	0.5	4.3	3.71	236
180970057	2013	12	10	23	V	0.7	2.7	3.64	249
180970057	2013	12	10	24	V	0.2	1.8	3.49	225
180970057	2013	12	11	1	V	0.08	1.7	2.78	229
180970057	2013	12	11	2	V	0.1	1.7	2.21	230
180970057	2013	12	11	3	V	0.09	1.6	2.3	218
180970057	2013	12	11	4	V	0.09	3.6	2.23	224
180970057	2013	12	11	5	V	0.3	6.1	1.64	163
180970057	2013	12	11	6	V	0.05	2.9	2.57	159

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	11	7	V	0.4	2.2	3.17	178
180970057	2013	12	11	8	V	26.2	2.9	2.86	190
180970057	2013	12	11	9	V	22.3	4.2	2.84	183
180970057	2013	12	11	10	V	18.6	4.8	3.39	203
180970057	2013	12	11	11	V	10.9	7.8	4.29	204
180970057	2013	12	11	12	V	0.5	16.1	4.02	234
180970057	2013	12	11	13	V	0.2	7	5.62	254
180970057	2013	12	11	14	V	0.06	5.6	7.52	292
180970057	2013	12	11	15	V	0.01	3.7	7.09	301
180970057	2013	12	11	16	V	0.01	2.9	7.59	317
180970057	2013	12	11	17	V	0.01	2.4	6.58	309
180970057	2013	12	11	18	V	0.01	2.2	6.35	315
180970057	2013	12	11	19	V	0.02	2	5.53	305
180970057	2013	12	11	20	V	0.01	1.6	7.72	307
180970057	2013	12	11	21	V	0.02	1.4	3.98	312
180970057	2013	12	11	22	V	0.02	1.2	4.14	314
180970057	2013	12	11	23	V	0.02	1.3	3.97	308
180970057	2013	12	11	24	V	0.02	1.4	4.24	306
180970057	2013	12	12	1	V	0.03	1.3	4.03	306
180970057	2013	12	12	2	V	0.03	1.3	4.03	308
180970057	2013	12	12	3	V	0.04	1.3	2.76	297
180970057	2013	12	12	4	V	0.03	1.3	3.35	289
180970057	2013	12	12	5	V	0.5	1.1	3.24	271
180970057	2013	12	12	6	V	0.3	1.2	2.64	252
180970057	2013	12	12	7	V	0.3	1.2	2.11	247
180970057	2013	12	12	8	V	0.3	1.3	2.98	246
180970057	2013	12	12	9	V	8.7	1.5	2.67	210
180970057	2013	12	12	10	V	0.5	1.8	3.49	224
180970057	2013	12	12	11	V	1.0	2.9	3.61	218
180970057	2013	12	12	12	V	7.3	14.7	3.64	210
180970057	2013	12	12	13	V	27.8	16.5	3.73	200
180970057	2013	12	12	14	V	0.1	17	6.77	230
180970057	2013	12	12	15	V	0.2	12.7	6.96	227
180970057	2013	12	12	16	V	0.1	15.3	5.99	225
180970057	2013	12	12	17	V	0.08	13.2	4.9	211
180970057	2013	12	12	18	V	0.2	22.8	5.45	208
180970057	2013	12	12	19	V	0.07	18.7	4.46	212
180970057	2013	12	12	20	V	0.8	36.7	3.25	248
180970057	2013	12	12	21	V	0.4	22.2	4.53	231
180970057	2013	12	12	22	V	0.05	13.9	4.6	219
180970057	2013	12	12	23	V	0.04	12.5	4.73	219
180970057	2013	12	12	24	V	0.03	13.9	3.3	213
180970057	2013	12	13	1	V	13.2	23.5	2.49	200
180970057	2013	12	13	2	V	0.01	19.5	3.29	222
180970057	2013	12	13	3	V	0.2	16	2.86	206
180970057	2013	12	13	4	V	4.2	15.9	2.69	192

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	13	5	V	2.5	12.8	3.18	194
180970057	2013	12	13	6	V	0.07	10.6	4.02	210
180970057	2013	12	13	7	V	0.4	12.9	3.07	204
180970057	2013	12	13	8	V	3.0	11.7	2.66	198
180970057	2013	12	13	9	V	5.3	16.1	2.28	187
180970057	2013	12	13	10	V	5.7	19.2	2.47	188
180970057	2013	12	13	11	V	0.9	21	3.42	209
180970057	2013	12	13	12	V	5.6	20.4	2.93	190
180970057	2013	12	13	13	V	0.8	18	2.84	168
180970057	2013	12	13	14	V	1.4	14.7	4	178
180970057	2013	12	13	15	V	0.02	7.3	4.24	170
180970057	2013	12	13	16	V	0.01	5.7	3.25	149
180970057	2013	12	13	17	V	0.01	5.7	3.03	140
180970057	2013	12	13	18	V	0.02	5.3	2.79	154
180970057	2013	12	13	19	V	1.9	5.7	4.41	196
180970057	2013	12	13	20	V	0.3	3.5	4.73	205
180970057	2013	12	13	21	V	0.01	2.8	3.15	147
180970057	2013	12	13	22	V	0.01	2.4	3.49	127
180970057	2013	12	13	23	V	0.01	2.3	4.07	122
180970057	2013	12	13	24	V	0.01	1.6	3.9	132
180970057	2013	12	14	1	V	0.01	1.4	4.12	125
180970057	2013	12	14	2	V	0.01	1.4	4.54	123
180970057	2013	12	14	3	V	0.01	1.4	3.51	110
180970057	2013	12	14	4	V	0.01	2.1	3.3	110
180970057	2013	12	14	5	V	0.01	2	4.03	105
180970057	2013	12	14	6	V	0.02	2.2	4.14	112
180970057	2013	12	14	7	V	0.02	2.1	3.73	113
180970057	2013	12	14	8	V	0.02	1.8	4.7	106
180970057	2013	12	14	9	V	0.04	2	4.82	105
180970057	2013	12	14	10	V	0.05	1.4	4.68	97
180970057	2013	12	14	11	V	0.07	1.3	4.09	81
180970057	2013	12	14	12	V	0.09	1.4	3.64	87
180970057	2013	12	14	13	V	7.6	1.3	2.08	60
180970057	2013	12	14	14	V	1.8	1.4	2.16	28
180970057	2013	12	14	15	V	0.02	1.2	2.84	341
180970057	2013	12	14	16	V	0.01	1.1	3.32	323
180970057	2013	12	14	17	V	0.01	1.1	3.51	327
180970057	2013	12	14	18	V	0.01	1	5.96	320
180970057	2013	12	14	19	V	0.01	1	6.38	318
180970057	2013	12	14	20	V	0.01	1.3	6.57	318
180970057	2013	12	14	21	V	0.01	1.5	7.31	316
180970057	2013	12	14	22	V	0.01	1.7	7.15	305
180970057	2013	12	14	23	V	0.01	-999	6.72	307
180970057	2013	12	14	24	V	0.01	2.3	6.69	309
180970057	2013	12	15	1	V	0.01	2.2	6.36	305
180970057	2013	12	15	2	V	0.01	1.7	7.13	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	15	3	V	0.01	1.8	8.01	298
180970057	2013	12	15	4	V	0.01	1.9	7.69	295
180970057	2013	12	15	5	V	0.01	1.7	6.43	294
180970057	2013	12	15	6	V	0.04	1.6	6.86	287
180970057	2013	12	15	7	V	0.4	1.4	7.3	274
180970057	2013	12	15	8	V	0.6	1.5	8.06	258
180970057	2013	12	15	9	V	0.1	1.3	8.22	262
180970057	2013	12	15	10	V	0.07	1.4	10.05	268
180970057	2013	12	15	11	V	0.1	1.4	8.44	264
180970057	2013	12	15	12	V	0.1	1.5	8.78	257
180970057	2013	12	15	13	V	0.2	1.6	8.49	250
180970057	2013	12	15	14	V	0.6	1.4	8.47	251
180970057	2013	12	15	15	V	0.6	1.5	7.93	252
180970057	2013	12	15	16	V	0.6	2.8	7.11	249
180970057	2013	12	15	17	V	0.6	4.3	6.5	249
180970057	2013	12	15	18	V	0.5	1.9	6.67	244
180970057	2013	12	15	19	V	0.6	1.6	6.09	250
180970057	2013	12	15	20	V	0.6	1.4	5.77	248
180970057	2013	12	15	21	V	0.6	1.3	5.02	239
180970057	2013	12	15	22	V	0.8	1.3	4.66	247
180970057	2013	12	15	23	V	0.7	1.3	3.61	251
180970057	2013	12	15	24	V	0.6	1.1	2.61	271
180970057	2013	12	16	1	V	0.04	1.6	2.03	291
180970057	2013	12	16	2	V	0.05	1.8	1.99	305
180970057	2013	12	16	3	V	0.08	1.7	1.69	342
180970057	2013	12	16	4	V	3.9	1.6	1.96	37
180970057	2013	12	16	5	V	4.9	1.4	2.69	43
180970057	2013	12	16	6	V	0.7	1.2	2.88	37
180970057	2013	12	16	7	V	5.1	1.3	3.71	43
180970057	2013	12	16	8	V	3.0	1.6	4.66	41
180970057	2013	12	16	9	V	6.2	1.8	3.52	58
180970057	2013	12	16	10	V	0.4	1.8	3.52	71
180970057	2013	12	16	11	V	0.09	1.8	3.63	81
180970057	2013	12	16	12	V	6.6	1.9	3.1	59
180970057	2013	12	16	13	V	11.4	2.2	3.22	53
180970057	2013	12	16	14	V	0.1	1.9	2.61	82
180970057	2013	12	16	15	V	6.5	1.8	2.33	52
180970057	2013	12	16	16	V	0.02	1.6	2.69	83
180970057	2013	12	16	17	V	0.07	1.5	1.72	125
180970057	2013	12	16	18	V	0.1	1.3	1.45	157
180970057	2013	12	16	19	V	0.1	1.4	1.52	166
180970057	2013	12	16	20	V	0.03	1.3	2.23	135
180970057	2013	12	16	21	V	0.04	1.3	2.42	174
180970057	2013	12	16	22	V	1.0	1.5	1.96	240
180970057	2013	12	16	23	V	0.03	1.5	2.83	289
180970057	2013	12	16	24	V	0.03	1.9	4.03	303

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	17	1	V	0.02	1.7	5.79	297
180970057	2013	12	17	2	V	0.02	1.5	5.41	305
180970057	2013	12	17	3	V	0.02	1.8	5.39	326
180970057	2013	12	17	4	V	0.04	2	4.07	311
180970057	2013	12	17	5	V	0.04	1.9	4.7	290
180970057	2013	12	17	6	V	0.2	1.9	4.48	283
180970057	2013	12	17	7	V	0.1	1.7	4.41	285
180970057	2013	12	17	8	V	0.7	1.4	4.42	263
180970057	2013	12	17	9	V	0.1	1.4	4.7	289
180970057	2013	12	17	10	V	0.2	1.5	5.53	267
180970057	2013	12	17	11	V	0.3	1.6	4.66	259
180970057	2013	12	17	12	V	0.4	1.8	4.73	240
180970057	2013	12	17	13	V	0.2	2.2	5.05	233
180970057	2013	12	17	14	V	0.3	2.2	6.04	238
180970057	2013	12	17	15	V	0.7	2.3	6.55	242
180970057	2013	12	17	16	V	0.7	2.7	7.18	241
180970057	2013	12	17	17	V	0.5	2.2	6.94	247
180970057	2013	12	17	18	V	0.6	2	5.99	250
180970057	2013	12	17	19	V	0.6	1.8	6.43	245
180970057	2013	12	17	20	V	0.4	1.7	5.33	236
180970057	2013	12	17	21	V	0.4	1.4	5.41	235
180970057	2013	12	17	22	V	0.5	1.5	4.97	235
180970057	2013	12	17	23	V	0.6	1.5	4.51	239
180970057	2013	12	17	24	V	0.5	1.5	4.12	236
180970057	2013	12	18	1	V	0.2	1.4	4.71	245
180970057	2013	12	18	2	V	0.5	1.4	4.8	255
180970057	2013	12	18	3	V	0.5	1.4	4.44	255
180970057	2013	12	18	4	V	0.7	1.2	4.41	260
180970057	2013	12	18	5	V	0.4	1.2	4.12	253
180970057	2013	12	18	6	V	0.3	1.2	4.7	251
180970057	2013	12	18	7	V	0.2	1.3	4.71	246
180970057	2013	12	18	8	V	0.2	1.4	4.19	239
180970057	2013	12	18	9	V	0.6	1.8	3.83	243
180970057	2013	12	18	10	V	0.5	4.2	4.15	236
180970057	2013	12	18	11	V	0.8	10.8	3.23	235
180970057	2013	12	18	12	V	0.4	4.3	4.14	228
180970057	2013	12	18	13	V	0.6	2.8	3.35	246
180970057	2013	12	18	14	V	0.2	4.9	2.81	218
180970057	2013	12	18	15	V	0.06	7.3	4.65	173
180970057	2013	12	18	16	V	0.03	4.3	5.77	175
180970057	2013	12	18	17	V	0.01	2.1	5.43	163
180970057	2013	12	18	18	V	0.01	1.9	5.63	165
180970057	2013	12	18	19	V	0.01	2.2	5.87	167
180970057	2013	12	18	20	V	0.03	2.8	5.27	175
180970057	2013	12	18	21	V	1.8	2.9	5.58	183
180970057	2013	12	18	22	V	14.0	8.7	5.56	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	18	23	V	3.4	12.8	6.86	199
180970057	2013	12	18	24	V	26.4	4.8	4.43	195
180970057	2013	12	19	1	V	9.4	7.6	5.29	188
180970057	2013	12	19	2	V	0.02	7.2	6.46	215
180970057	2013	12	19	3	V	0.02	6	8.85	226
180970057	2013	12	19	4	V	0.02	4.5	9.05	227
180970057	2013	12	19	5	V	0.02	3.8	8.78	227
180970057	2013	12	19	6	V	0.03	3.5	8.81	229
180970057	2013	12	19	7	V	0.02	3.3	6.96	220
180970057	2013	12	19	8	V	4.4	3.9	5.36	205
180970057	2013	12	19	9	V	1.9	7.3	5.96	208
180970057	2013	12	19	10	V	26.6	7.9	4.86	191
180970057	2013	12	19	11	V	2.0	7.7	5.36	208
180970057	2013	12	19	12	V	0.9	7.5	5.36	210
180970057	2013	12	19	13	V	0.5	10.3	4.86	212
180970057	2013	12	19	14	V	18.9	8.7	5.96	197
180970057	2013	12	19	15	V	5.4	6.9	3.86	181
180970057	2013	12	19	16	V	0.1	5	4.12	173
180970057	2013	12	19	17	V	1.4	3.8	4.82	179
180970057	2013	12	19	18	V	0.5	3.7	5.73	178
180970057	2013	12	19	19	V	1.9	3.2	5	180
180970057	2013	12	19	20	V	1.2	3.1	3.73	178
180970057	2013	12	19	21	V	0.3	2.9	3.93	175
180970057	2013	12	19	22	V	0.05	2.6	4.25	164
180970057	2013	12	19	23	V	8.2	3.1	5.85	186
180970057	2013	12	19	24	V	12.1	29.2	5.85	188
180970057	2013	12	20	1	V	3.4	13.6	5.24	182
180970057	2013	12	20	2	V	0.5	4.7	4.87	177
180970057	2013	12	20	3	V	13.8	3.3	5.9	195
180970057	2013	12	20	4	V	4.0	3.2	7.59	200
180970057	2013	12	20	5	V	0.5	4.6	9.13	207
180970057	2013	12	20	6	V	0.1	3.4	9.56	210
180970057	2013	12	20	7	V	0.04	2.9	8.57	213
180970057	2013	12	20	8	V	0.4	2.6	8.27	209
180970057	2013	12	20	9	V	3.4	1.8	6.7	205
180970057	2013	12	20	10	V	7.5	5	7.28	202
180970057	2013	12	20	11	V	11.7	3.3	6.92	200
180970057	2013	12	20	12	V	9.3	2.7	7.65	201
180970057	2013	12	20	13	V	0.7	1.9	8.06	209
180970057	2013	12	20	14	V	0.1	1.7	8.59	212
180970057	2013	12	20	15	V	0.4	1.6	7.23	208
180970057	2013	12	20	16	V	0.8	1.7	6.79	206
180970057	2013	12	20	17	V	0.9	2	6.38	206
180970057	2013	12	20	18	V	5.2	4.2	6.01	201
180970057	2013	12	20	19	V	0.2	3	5.9	210
180970057	2013	12	20	20	V	0.04	2.8	6.26	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	20	21	V	1.2	2.4	5.56	206
180970057	2013	12	20	22	V	8.8	3.2	5.92	199
180970057	2013	12	20	23	V	0.3	3.9	6.75	234
180970057	2013	12	20	24	V	0.6	1.3	4.97	272
180970057	2013	12	21	1	V	0.6	1.2	3.71	255
180970057	2013	12	21	2	V	0.6	0.9	3.08	268
180970057	2013	12	21	3	V	0.3	0.8	3.24	281
180970057	2013	12	21	4	V	1.0	0.8	1.89	260
180970057	2013	12	21	5	V	0.04	0.8	2.69	314
180970057	2013	12	21	6	V	0.04	0.7	3.07	322
180970057	2013	12	21	7	V	0.05	0.7	3.78	344
180970057	2013	12	21	8	V	0.09	0.7	3.54	358
180970057	2013	12	21	9	V	0.2	0.7	3.63	6
180970057	2013	12	21	10	V	0.1	0.7	4.58	10
180970057	2013	12	21	11	V	9.8	1.1	4.25	54
180970057	2013	12	21	12	V	0.6	0.8	2.88	75
180970057	2013	12	21	13	V	12.3	0.8	2.45	53
180970057	2013	12	21	14	V	0.1	1	4.46	343
180970057	2013	12	21	15	V	0.08	0.8	3.61	9
180970057	2013	12	21	16	V	0.08	0.8	4	23
180970057	2013	12	21	17	V	1.3	1.7	5.16	52
180970057	2013	12	21	18	V	0.4	1.7	3.92	61
180970057	2013	12	21	19	V	4.8	1.7	4.31	45
180970057	2013	12	21	20	V	0.8	1.5	4.54	37
180970057	2013	12	21	21	V	0.06	1.1	4.73	27
180970057	2013	12	21	22	V	0.2	1	5.72	36
180970057	2013	12	21	23	V	4.4	-999	3.68	52
180970057	2013	12	21	24	V	6.6	1.1	3.76	47
180970057	2013	12	22	1	V	0.02	1	6.31	24
180970057	2013	12	22	2	V	0.04	1.1	5.17	298
180970057	2013	12	22	3	V	0.1	0.9	1.96	152
180970057	2013	12	22	4	V	0.02	3.3	7.57	219
180970057	2013	12	22	5	V	0.2	1.4	8.44	237
180970057	2013	12	22	6	V	0.09	1.3	7.76	233
180970057	2013	12	22	7	V	0.08	1.2	8.88	231
180970057	2013	12	22	8	V	0.07	1.2	8.69	230
180970057	2013	12	22	9	V	0.1	1.1	8.93	230
180970057	2013	12	22	10	V	0.07	1.1	8.5	226
180970057	2013	12	22	11	V	0.2	1.2	8.78	234
180970057	2013	12	22	12	V	0.2	1.2	8.59	232
180970057	2013	12	22	13	V	0.06	1.1	8.64	223
180970057	2013	12	22	14	V	0.2	1.1	7.86	232
180970057	2013	12	22	15	V	0.7	1.1	7.21	242
180970057	2013	12	22	16	V	0.7	1.2	6.96	247
180970057	2013	12	22	17	V	0.7	1.1	6.38	260
180970057	2013	12	22	18	V	0.6	1	5.58	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	22	19	V	0.7	0.9	4.12	259
180970057	2013	12	22	20	V	0.7	0.8	4.63	257
180970057	2013	12	22	21	V	0.4	1	6.36	274
180970057	2013	12	22	22	V	0.1	0.9	6.01	283
180970057	2013	12	22	23	V	0.2	0.9	6.26	280
180970057	2013	12	22	24	V	0.04	0.9	5.97	289
180970057	2013	12	23	1	V	0.02	0.9	5.9	294
180970057	2013	12	23	2	V	0.05	0.9	6.23	287
180970057	2013	12	23	3	V	0.04	0.9	6.02	289
180970057	2013	12	23	4	V	0.03	0.9	6.6	289
180970057	2013	12	23	5	V	0.02	0.9	6.23	290
180970057	2013	12	23	6	V	0.03	0.9	5.48	290
180970057	2013	12	23	7	V	0.02	0.9	6.43	292
180970057	2013	12	23	8	V	0.07	1	5.56	289
180970057	2013	12	23	9	V	0.07	0.9	7.43	280
180970057	2013	12	23	10	V	0.05	0.9	5.38	295
180970057	2013	12	23	11	V	0.1	0.9	5.95	278
180970057	2013	12	23	12	V	0.05	0.9	5.33	287
180970057	2013	12	23	13	V	0.1	1	4.97	279
180970057	2013	12	23	14	V	0.2	1	5.5	257
180970057	2013	12	23	15	V	0.7	1	5.94	261
180970057	2013	12	23	16	V	0.7	0.9	5.72	263
180970057	2013	12	23	17	V	0.6	0.9	5.38	253
180970057	2013	12	23	18	V	0.8	1	4.8	245
180970057	2013	12	23	19	V	0.8	1	4.73	248
180970057	2013	12	23	20	V	0.6	1.1	5.29	264
180970057	2013	12	23	21	V	0.1	1.2	6.84	283
180970057	2013	12	23	22	V	0.04	1.1	7.35	288
180970057	2013	12	23	23	V	0.04	1	7.16	288
180970057	2013	12	23	24	V	0.02	1	6.58	299
180970057	2013	12	24	1	V	0.01	1.1	6.41	300
180970057	2013	12	24	2	V	0.06	1.1	6.12	286
180970057	2013	12	24	3	V	0.5	1.2	6.28	273
180970057	2013	12	24	4	V	0.4	1.2	6.8	273
180970057	2013	12	24	5	V	0.3	1.5	6.01	278
180970057	2013	12	24	6	V	0.07	1.3	5.77	286
180970057	2013	12	24	7	V	0.04	1.1	5.16	305
180970057	2013	12	24	8	V	0.04	1	5.41	294
180970057	2013	12	24	9	V	0.2	1	4.78	276
180970057	2013	12	24	10	V	0.2	1	4.39	279
180970057	2013	12	24	11	V	0.4	1.2	3.9	275
180970057	2013	12	24	12	V	0.5	1.3	3.22	277
180970057	2013	12	24	13	V	0.5	1.4	3.08	268
180970057	2013	12	24	14	V	0.5	1.5	2.5	240
180970057	2013	12	24	15	V	1.4	1.6	1.82	248
180970057	2013	12	24	16	V	39.2	3.7	1.57	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	24	17	V	1.4	13.5	1.14	149
180970057	2013	12	24	18	V	0.1	3.5	2.1	167
180970057	2013	12	24	19	V	0.08	1.8	2.55	131
180970057	2013	12	24	20	V	0.04	1.6	3.15	137
180970057	2013	12	24	21	V	0.05	1.7	2.89	131
180970057	2013	12	24	22	V	0.05	1.4	3.81	133
180970057	2013	12	24	23	V	0.04	1.3	4	135
180970057	2013	12	24	24	V	0.05	1.4	4.8	135
180970057	2013	12	25	1	V	0.07	1.4	4.07	152
180970057	2013	12	25	2	V	0.07	1.5	4.05	168
180970057	2013	12	25	3	V	0.06	1.5	4.36	156
180970057	2013	12	25	4	V	0.06	1.4	4.44	150
180970057	2013	12	25	5	V	0.03	1.6	5.21	159
180970057	2013	12	25	6	V	0.03	1.5	5.72	165
180970057	2013	12	25	7	V	0.03	1.5	5.7	165
180970057	2013	12	25	8	V	0.06	1.5	6.18	171
180970057	2013	12	25	9	V	0.2	1.4	6.24	171
180970057	2013	12	25	10	V	2.3	1.6	5.72	177
180970057	2013	12	25	11	V	10.3	5.7	6.5	183
180970057	2013	12	25	12	V	19.5	19.6	5.99	198
180970057	2013	12	25	13	V	0.04	4.7	5.38	214
180970057	2013	12	25	14	V	0.04	5	4.73	210
180970057	2013	12	25	15	V	0.2	5	4.95	212
180970057	2013	12	25	16	V	0.1	4.9	4.83	221
180970057	2013	12	25	17	V	0.09	4.7	4.9	221
180970057	2013	12	25	18	V	0.08	4	4.94	220
180970057	2013	12	25	19	V	0.2	3.4	3.97	211
180970057	2013	12	25	20	V	0.09	3	3.69	214
180970057	2013	12	25	21	V	0.6	2.6	4.05	209
180970057	2013	12	25	22	V	0.3	2.4	4.27	210
180970057	2013	12	25	23	V	0.1	2.3	5.43	224
180970057	2013	12	25	24	V	0.3	2.1	5.73	231
180970057	2013	12	26	1	V	0.1	1.7	7.04	235
180970057	2013	12	26	2	V	0.5	1.5	7.99	254
180970057	2013	12	26	3	V	0.5	1.5	7.67	267
180970057	2013	12	26	4	V	0.6	1.4	7.43	267
180970057	2013	12	26	5	V	0.6	1.2	6.13	265
180970057	2013	12	26	6	V	0.3	1.3	8.03	277
180970057	2013	12	26	7	V	0.5	1.2	5.38	273
180970057	2013	12	26	8	V	0.8	1.1	4.17	260
180970057	2013	12	26	9	V	0.4	1.2	4.27	258
180970057	2013	12	26	10	V	0.3	1.4	5.04	266
180970057	2013	12	26	11	V	0.2	1.9	6.36	273
180970057	2013	12	26	12	V	0.3	2.8	5	258
180970057	2013	12	26	13	V	0.5	1.9	4.03	245
180970057	2013	12	26	14	V	0.2	1.8	3.4	226

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	26	15	V	0.1	1.9	3.71	220
180970057	2013	12	26	16	V	0.1	4.4	2.89	220
180970057	2013	12	26	17	V	0.09	5.9	3.17	210
180970057	2013	12	26	18	V	17.3	2.8	3.93	201
180970057	2013	12	26	19	V	33.5	3.1	4.09	200
180970057	2013	12	26	20	V	31.8	2.5	3.83	200
180970057	2013	12	26	21	V	42.7	3.8	4.34	198
180970057	2013	12	26	22	V	4.6	3.2	4.88	204
180970057	2013	12	26	23	V	10.3	3.2	4.75	202
180970057	2013	12	26	24	V	0.09	2.7	3.88	211
180970057	2013	12	27	1	V	0.2	4.9	4.75	210
180970057	2013	12	27	2	V	3.4	5.8	5.29	205
180970057	2013	12	27	3	V	2.1	7.9	4.48	207
180970057	2013	12	27	4	V	0.1	7.1	3.97	210
180970057	2013	12	27	5	V	0.07	4.7	4.32	229
180970057	2013	12	27	6	V	0.04	3.7	4.24	221
180970057	2013	12	27	7	V	0.06	3.1	4.36	225
180970057	2013	12	27	8	V	0.6	3.3	3.58	215
180970057	2013	12	27	9	V	0.7	3.6	3.06	226
180970057	2013	12	27	10	V	0.8	4.6	3.86	237
180970057	2013	12	27	11	V	0.5	4.7	4.17	225
180970057	2013	12	27	12	V	0.7	4.1	3.85	229
180970057	2013	12	27	13	V	1.9	15.4	3.52	219
180970057	2013	12	27	14	V	49.0	26.6	3.56	201
180970057	2013	12	27	15	V	0.2	7.9	4.9	224
180970057	2013	12	27	16	V	0.1	5.3	6.07	224
180970057	2013	12	27	17	V	0.2	3.8	5.17	225
180970057	2013	12	27	18	V	0.1	3.2	4.02	223
180970057	2013	12	27	19	V	0.2	2.8	3.83	225
180970057	2013	12	27	20	V	0.05	9.1	3.4	213
180970057	2013	12	27	21	V	0.05	8.1	4.19	216
180970057	2013	12	27	22	V	0.1	10	4.95	210
180970057	2013	12	27	23	V	0.1	10.8	4.7	210
180970057	2013	12	27	24	V	0.05	7.8	4.05	216
180970057	2013	12	28	1	V	0.04	6.4	4.17	217
180970057	2013	12	28	2	V	0.07	5.4	4.03	211
180970057	2013	12	28	3	V	0.07	4.7	4.19	211
180970057	2013	12	28	4	V	0.02	5.9	4.26	217
180970057	2013	12	28	5	V	0.04	4.2	4.54	227
180970057	2013	12	28	6	V	0.02	3.7	4.1	221
180970057	2013	12	28	7	V	0.03	3.7	3.76	222
180970057	2013	12	28	8	V	0.8	3.8	3.93	212
180970057	2013	12	28	9	V	25.1	8.6	3.03	184
180970057	2013	12	28	10	V	18.4	8.7	3.73	203
180970057	2013	12	28	11	V	24.4	8	3.3	201
180970057	2013	12	28	12	V	37.3	7.8	3.25	191

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	28	13	V	28.2	11.7	4.15	189
180970057	2013	12	28	14	V	17.7	12.7	5.33	189
180970057	2013	12	28	15	V	0.07	7.6	5.73	215
180970057	2013	12	28	16	V	0.06	5.8	4.32	220
180970057	2013	12	28	17	V	22.0	4.6	5	193
180970057	2013	12	28	18	V	2.2	9.9	5.05	182
180970057	2013	12	28	19	V	5.5	6.6	4.43	182
180970057	2013	12	28	20	V	15.6	8.4	4.37	184
180970057	2013	12	28	21	V	17.3	5	3.54	184
180970057	2013	12	28	22	V	0.09	4.5	2.93	172
180970057	2013	12	28	23	V	0.4	-999	2.57	177
180970057	2013	12	28	24	V	0.06	4.3	3.05	158
180970057	2013	12	29	1	V	0.08	3.9	2.4	172
180970057	2013	12	29	2	V	0.09	5	2.64	172
180970057	2013	12	29	3	V	0.09	3.9	2.2	154
180970057	2013	12	29	4	V	0.06	3.7	3.08	166
180970057	2013	12	29	5	V	43.8	4.6	2.81	189
180970057	2013	12	29	6	V	59.3	5.7	2.64	194
180970057	2013	12	29	7	V	0.08	4.5	3.08	214
180970057	2013	12	29	8	V	1.5	5.3	3.06	209
180970057	2013	12	29	9	V	0.6	5.7	3.44	216
180970057	2013	12	29	10	V	0.6	11	3.95	219
180970057	2013	12	29	11	V	0.2	7.6	5.8	229
180970057	2013	12	29	12	V	0.3	5.4	6.74	247
180970057	2013	12	29	13	V	0.2	4.5	7.98	261
180970057	2013	12	29	14	V	0.05	3.2	8.98	283
180970057	2013	12	29	15	V	0.08	1.4	7.65	285
180970057	2013	12	29	16	V	0.1	1.1	6.64	283
180970057	2013	12	29	17	V	0.08	0.9	7.5	285
180970057	2013	12	29	18	V	0.4	0.9	5.92	276
180970057	2013	12	29	19	V	0.07	0.9	4.94	291
180970057	2013	12	29	20	V	0.03	1.1	6.6	319
180970057	2013	12	29	21	V	0.03	1	6.28	317
180970057	2013	12	29	22	V	0.04	1	5.82	316
180970057	2013	12	29	23	V	0.02	1	6.82	306
180970057	2013	12	29	24	V	0.02	0.9	6.99	303
180970057	2013	12	30	1	V	0.03	0.9	6.21	300
180970057	2013	12	30	2	V	0.03	0.9	6.47	303
180970057	2013	12	30	3	V	0.03	0.8	6.16	301
180970057	2013	12	30	4	V	0.04	0.8	5.75	297
180970057	2013	12	30	5	V	0.04	0.8	5.53	294
180970057	2013	12	30	6	V	0.07	0.9	4.73	292
180970057	2013	12	30	7	V	0.06	0.9	5.24	293
180970057	2013	12	30	8	V	0.2	0.9	4.2	305
180970057	2013	12	30	9	V	0.6	0.9	3.63	304
180970057	2013	12	30	10	V	0.5	0.9	2.66	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970057	2013	12	30	11	V	0.5	1	2.78	328
180970057	2013	12	30	12	V	0.9	1	2.18	311
180970057	2013	12	30	13	V	0.4	1	2.59	319
180970057	2013	12	30	14	V	0.7	1.1	2.03	262
180970057	2013	12	30	15	V	0.8	1.4	2.13	255
180970057	2013	12	30	16	V	1.4	1.1	2.28	240
180970057	2013	12	30	17	V	0.7	1	3.32	255
180970057	2013	12	30	18	V	0.8	0.9	3.2	258
180970057	2013	12	30	19	V	0.6	1	1.96	267
180970057	2013	12	30	20	V	0.7	0.9	2.28	251
180970057	2013	12	30	21	V	0.9	0.9	3.8	245
180970057	2013	12	30	22	V	0.1	1	3.95	216
180970057	2013	12	30	23	V	0.1	1.8	4.61	213
180970057	2013	12	30	24	V	0.4	2.2	4.9	230
180970057	2013	12	31	1	V	0.3	1.5	5.16	244
180970057	2013	12	31	2	V	0.3	1.7	5.45	249
180970057	2013	12	31	3	V	0.4	1.7	5.41	251
180970057	2013	12	31	4	V	0.4	1.7	5.63	252
180970057	2013	12	31	5	V	0.4	2	5.24	252
180970057	2013	12	31	6	V	0.5	2.5	5.79	273
180970057	2013	12	31	7	V	0.03	2	6.19	292
180970057	2013	12	31	8	V	0.3	1.7	5.44	279
180970057	2013	12	31	9	V	0.2	1.7	6.4	269
180970057	2013	12	31	10	V	0.2	1.6	7.5	261
180970057	2013	12	31	11	V	0.2	2	7.54	260
180970057	2013	12	31	12	V	0.2	2.3	6.64	269
180970057	2013	12	31	13	V	0.3	2.3	5.85	262
180970057	2013	12	31	14	V	0.3	2	4.99	249
180970057	2013	12	31	15	V	0.5	2	4.77	230
180970057	2013	12	31	16	V	0.5	2.8	4.98	233
180970057	2013	12	31	17	V	0.7	3.8	3.86	240
180970057	2013	12	31	18	V	1.3	1.8	2.36	207
180970057	2013	12	31	19	V	14.8	3	2.36	183
180970057	2013	12	31	20	V	0.09	8.1	2.86	167
180970057	2013	12	31	21	V	0.09	3.3	2.86	159
180970057	2013	12	31	22	V	9.6	3.7	4.36	182
180970057	2013	12	31	23	V	0.1	6.8	2.36	354
180970057	2013	12	31	24	C	-999	3.4	0	0
180970073	2011	1	1	1	V	0.03	2.8	4.36	161
180970073	2011	1	1	2	V	0.03	2.4	3.79	152
180970073	2011	1	1	3	V	0.03	2.4	2.62	208
180970073	2011	1	1	4	V	0.07	2.4	3.95	268
180970073	2011	1	1	5	V	0.03	2.3	5.17	276
180970073	2011	1	1	6	V	0.02	2.3	6.11	295
180970073	2011	1	1	7	V	0.03	2.2	5.04	282
180970073	2011	1	1	8	V	0.04	2.1	3.95	277

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	1	9	V	1.2	2.1	5.05	259
180970073	2011	1	1	10	V	0.6	3.4	5.7	262
180970073	2011	1	1	11	V	0.5	3.2	7.31	260
180970073	2011	1	1	12	V	2.7	3.4	7.23	251
180970073	2011	1	1	13	V	2.6	6.1	7.2	251
180970073	2011	1	1	14	V	0.5	7.9	8.79	259
180970073	2011	1	1	15	V	0.05	2.4	7.86	270
180970073	2011	1	1	16	V	0.02	2.5	7.98	284
180970073	2011	1	1	17	V	0.7	2.7	6.63	262
180970073	2011	1	1	18	V	6.3	8.3	7.33	252
180970073	2011	1	1	19	V	0.06	2.4	6.18	268
180970073	2011	1	1	20	V	0.04	2.3	6.6	270
180970073	2011	1	1	21	V	0.03	2.4	6.35	274
180970073	2011	1	1	22	V	0.03	2.6	6.82	271
180970073	2011	1	1	23	V	0.02	2.9	6.57	274
180970073	2011	1	1	24	V	0.03	3.1	4.97	269
180970073	2011	1	2	1	V	0.02	2.8	5.99	271
180970073	2011	1	2	2	V	0.04	2.5	4.78	268
180970073	2011	1	2	3	V	0.1	2.7	4.37	265
180970073	2011	1	2	4	V	0.02	2.6	3.86	272
180970073	2011	1	2	5	V	0.03	2.6	3.2	273
180970073	2011	1	2	6	V	13.5	2.5	2.95	252
180970073	2011	1	2	7	V	0.3	2.7	3.1	262
180970073	2011	1	2	8	V	2.5	2.5	2.72	261
180970073	2011	1	2	9	V	0.9	2.5	3.27	265
180970073	2011	1	2	10	V	0.05	2.9	5.16	283
180970073	2011	1	2	11	V	0.08	3.2	4.68	282
180970073	2011	1	2	12	V	0.09	3.2	4.22	276
180970073	2011	1	2	13	V	0.2	2.9	4.71	266
180970073	2011	1	2	14	V	2.3	2.8	4.87	257
180970073	2011	1	2	15	V	4.9	3.6	5.6	256
180970073	2011	1	2	16	V	3.4	4.2	5.46	245
180970073	2011	1	2	17	V	15.1	5.1	5.68	237
180970073	2011	1	2	18	V	17.8	3.4	5.28	236
180970073	2011	1	2	19	V	0.04	6.9	4.07	220
180970073	2011	1	2	20	V	0.03	12.5	3.64	219
180970073	2011	1	2	21	V	0.03	4.4	3.75	205
180970073	2011	1	2	22	V	0.03	5.1	4.15	209
180970073	2011	1	2	23	V	0.03	-999	4.44	205
180970073	2011	1	2	24	V	0.02	3.2	4.2	210
180970073	2011	1	3	1	V	0.8	7.7	3.69	225
180970073	2011	1	3	2	V	0.02	8.2	3.32	213
180970073	2011	1	3	3	V	0.02	7.1	3.61	187
180970073	2011	1	3	4	V	0.02	7.5	3.81	198
180970073	2011	1	3	5	V	0.03	6.2	4.54	206
180970073	2011	1	3	6	V	0.03	5.7	4.27	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	3	7	V	0.03	5.3	3.95	202
180970073	2011	1	3	8	V	0.06	6.3	4.29	202
180970073	2011	1	3	9	V	0.08	6.8	4.6	202
180970073	2011	1	3	10	V	0.09	9.3	5.58	213
180970073	2011	1	3	11	V	1.1	14.3	6.74	221
180970073	2011	1	3	12	V	0.08	17.4	5.58	212
180970073	2011	1	3	13	V	0.4	20.4	5.14	216
180970073	2011	1	3	14	V	0.03	11	6.02	215
180970073	2011	1	3	15	V	15.6	10.3	7.93	229
180970073	2011	1	3	16	V	9.9	6.7	7.08	227
180970073	2011	1	3	17	V	0.03	7.6	5.58	206
180970073	2011	1	3	18	V	0.04	4.5	4.53	190
180970073	2011	1	3	19	V	0.03	5.1	4.2	193
180970073	2011	1	3	20	V	0.04	6	3.59	188
180970073	2011	1	3	21	V	0.03	5.4	4.43	183
180970073	2011	1	3	22	V	0.03	5.7	4.86	189
180970073	2011	1	3	23	V	0.03	5.9	5.96	201
180970073	2011	1	3	24	V	0.03	6.1	4.86	197
180970073	2011	1	4	1	V	0.03	6.4	4.36	196
180970073	2011	1	4	2	V	0.04	7	4.36	196
180970073	2011	1	4	3	V	0.04	8.1	4.36	208
180970073	2011	1	4	4	V	7.8	11.6	5.36	239
180970073	2011	1	4	5	V	28.6	27.4	4.36	231
180970073	2011	1	4	6	V	9.7	47.1	4.36	252
180970073	2011	1	4	7	V	3.7	13.8	3.86	246
180970073	2011	1	4	8	V	14.7	12	3.86	238
180970073	2011	1	4	9	V	29.1	6.9	3.36	236
180970073	2011	1	4	10	V	0.06	6.5	5.96	267
180970073	2011	1	4	11	V	0.06	4.6	6.46	267
180970073	2011	1	4	12	V	0.01	3.6	10.06	283
180970073	2011	1	4	13	V	0.01	3.3	8.96	275
180970073	2011	1	4	14	V	0.01	3.1	7.96	282
180970073	2011	1	4	15	V	0.05	2.8	8.46	271
180970073	2011	1	4	16	V	0.04	3	7.96	270
180970073	2011	1	4	17	V	0.03	3	6.96	283
180970073	2011	1	4	18	V	0.05	3.4	6.46	269
180970073	2011	1	4	19	V	0.03	3.4	4.86	277
180970073	2011	1	4	20	V	0.03	3.7	5.11	274
180970073	2011	1	4	21	V	0.03	3.6	3.74	278
180970073	2011	1	4	22	V	0.05	3.1	2.84	300
180970073	2011	1	4	23	V	0.04	2.8	3.05	324
180970073	2011	1	4	24	V	0.07	2.9	2.25	339
180970073	2011	1	5	1	V	0.08	2.8	1.96	346
180970073	2011	1	5	2	V	10.4	2.6	0.94	254
180970073	2011	1	5	3	V	16.6	2.5	0.92	225
180970073	2011	1	5	4	V	6.7	2.8	1.54	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	5	5	V	0.2	2.8	1.48	285
180970073	2011	1	5	6	V	3.8	3.1	1.84	244
180970073	2011	1	5	7	V	9.1	3.2	1.01	256
180970073	2011	1	5	8	V	2.8	3.5	1.86	218
180970073	2011	1	5	9	V	1.7	3.6	1.37	201
180970073	2011	1	5	10	V	0.7	4.5	1.93	178
180970073	2011	1	5	11	V	1.0	14.2	1.84	192
180970073	2011	1	5	12	V	0.8	23.3	1.96	156
180970073	2011	1	5	13	V	1.8	20.9	1.25	130
180970073	2011	1	5	14	V	0.3	16.8	2.27	201
180970073	2011	1	5	15	V	0.06	28.5	2.67	189
180970073	2011	1	5	16	V	0.06	70	2.47	189
180970073	2011	1	5	17	V	0.06	45.2	2.27	177
180970073	2011	1	5	18	V	0.06	24.4	2.22	174
180970073	2011	1	5	19	V	0.05	9.2	2.46	173
180970073	2011	1	5	20	V	0.04	5	3	173
180970073	2011	1	5	21	V	0.04	4.4	3	165
180970073	2011	1	5	22	V	0.04	4.1	3.17	203
180970073	2011	1	5	23	V	0.06	4.9	3.34	219
180970073	2011	1	5	24	V	2.9	6.8	3.44	225
180970073	2011	1	6	1	V	4.4	18.4	4.34	225
180970073	2011	1	6	2	V	14.0	45.4	5.28	228
180970073	2011	1	6	3	V	20.1	44.9	4.03	236
180970073	2011	1	6	4	V	26.2	14.9	4.27	233
180970073	2011	1	6	5	V	23.8	29.5	4.46	231
180970073	2011	1	6	6	V	6.4	40.1	4.09	226
180970073	2011	1	6	7	V	15.7	15.7	4.75	237
180970073	2011	1	6	8	V	5.5	15.2	5.34	246
180970073	2011	1	6	9	V	4.0	17.3	4.75	246
180970073	2011	1	6	10	V	1.7	10.6	4.46	259
180970073	2011	1	6	11	V	0.4	6.2	4.32	263
180970073	2011	1	6	12	V	4.1	5.3	5.39	252
180970073	2011	1	6	13	V	0.01	4.2	6.67	277
180970073	2011	1	6	14	V	0.01	3.7	5.73	289
180970073	2011	1	6	15	V	0.03	3.3	8.01	297
180970073	2011	1	6	16	V	0.03	3.3	7.11	282
180970073	2011	1	6	17	V	0.03	3	6.92	274
180970073	2011	1	6	18	V	0.03	2.8	7.23	278
180970073	2011	1	6	19	V	0.03	2.9	6.11	281
180970073	2011	1	6	20	V	0.03	2.8	6.35	290
180970073	2011	1	6	21	V	0.03	2.6	4.53	280
180970073	2011	1	6	22	V	5.5	2.6	3.95	247
180970073	2011	1	6	23	V	1.1	2.8	3.78	242
180970073	2011	1	6	24	V	3.3	2.7	4.61	258
180970073	2011	1	7	1	V	0.03	2.7	3.63	273
180970073	2011	1	7	2	V	0.04	2.9	3.49	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	7	3	V	0.03	2.9	3.86	288
180970073	2011	1	7	4	V	0.04	2.8	2.64	282
180970073	2011	1	7	5	V	10.2	2.9	3.23	251
180970073	2011	1	7	6	V	11.2	3.1	2.84	251
180970073	2011	1	7	7	V	3.0	3.4	2.49	225
180970073	2011	1	7	8	V	13.5	3.2	2.84	239
180970073	2011	1	7	9	V	10.9	4.2	1.57	252
180970073	2011	1	7	10	V	17.0	6.2	2.13	244
180970073	2011	1	7	11	V	0.6	6.8	1.93	285
180970073	2011	1	7	12	V	0.7	-999	2.38	272
180970073	2011	1	7	13	V	0.3	4.3	2.62	304
180970073	2011	1	7	14	V	0.1	38	3.74	337
180970073	2011	1	7	15	V	0.05	3.3	3.78	318
180970073	2011	1	7	16	V	0.03	2.8	5.38	293
180970073	2011	1	7	17	V	0.03	2.7	4.42	285
180970073	2011	1	7	18	V	0.4	2.6	4.02	264
180970073	2011	1	7	19	V	0.2	2.7	5.46	266
180970073	2011	1	7	20	V	0.03	2.7	6.16	289
180970073	2011	1	7	21	V	0.03	2.5	6.86	293
180970073	2011	1	7	22	V	0.03	2.5	6.02	299
180970073	2011	1	7	23	V	0.03	2.4	8.44	304
180970073	2011	1	7	24	V	0.03	2.5	5.77	296
180970073	2011	1	8	1	V	0.02	2.5	5.53	285
180970073	2011	1	8	2	V	0.03	2.3	5.94	281
180970073	2011	1	8	3	V	0.03	2.5	5.48	287
180970073	2011	1	8	4	V	0.03	2.4	7.55	302
180970073	2011	1	8	5	V	0.03	2.7	8.1	301
180970073	2011	1	8	6	V	0.03	3	7.38	309
180970073	2011	1	8	7	V	0.03	3.2	7.43	302
180970073	2011	1	8	8	V	0.01	2.6	7.42	292
180970073	2011	1	8	9	V	0.02	2.6	6.24	293
180970073	2011	1	8	10	V	0.02	2.5	7.5	291
180970073	2011	1	8	11	V	0.02	2.6	7.55	296
180970073	2011	1	8	12	V	0.02	2.5	7.5	286
180970073	2011	1	8	13	V	0.01	2.4	8.2	296
180970073	2011	1	8	14	V	0.01	2.4	7.42	292
180970073	2011	1	8	15	V	0.04	2.5	7.23	287
180970073	2011	1	8	16	V	0.03	2.4	7.31	280
180970073	2011	1	8	17	V	0.1	2.7	6.5	267
180970073	2011	1	8	18	V	6.9	2.8	5.89	252
180970073	2011	1	8	19	V	5.0	3.2	5.51	241
180970073	2011	1	8	20	V	3.5	5.3	4.82	244
180970073	2011	1	8	21	V	1.6	5.3	3.98	259
180970073	2011	1	8	22	V	9.2	2.8	4.44	250
180970073	2011	1	8	23	V	7.7	2.9	4.46	254
180970073	2011	1	8	24	V	9.8	2.9	4.05	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	9	1	V	2.1	2.8	3.91	258
180970073	2011	1	9	2	V	0.03	2.7	4	274
180970073	2011	1	9	3	V	0.05	2.6	3.3	266
180970073	2011	1	9	4	V	0.05	2.6	2.83	271
180970073	2011	1	9	5	V	0.05	2.6	2.78	288
180970073	2011	1	9	6	V	0.05	2.6	2.86	279
180970073	2011	1	9	7	V	0.2	2.8	1.76	270
180970073	2011	1	9	8	V	1.6	2.9	0.86	289
180970073	2011	1	9	9	V	4.8	2.9	1.67	264
180970073	2011	1	9	10	V	23.0	4.4	3.13	227
180970073	2011	1	9	11	V	33.5	5.5	2.11	235
180970073	2011	1	9	12	V	21.4	6.2	1.04	241
180970073	2011	1	9	13	V	4.0	6.1	0.77	57
180970073	2011	1	9	14	V	0.9	5.9	1.26	101
180970073	2011	1	9	15	V	0.2	4.8	1.47	117
180970073	2011	1	9	16	V	0.2	4.5	1.47	134
180970073	2011	1	9	17	V	0.1	4.6	1.7	164
180970073	2011	1	9	18	V	0.04	4.2	2.89	158
180970073	2011	1	9	19	V	0.04	3.9	2.73	108
180970073	2011	1	9	20	V	0.05	3.6	2.33	100
180970073	2011	1	9	21	V	0.05	3.5	2.35	89
180970073	2011	1	9	22	V	0.04	3.6	2.66	83
180970073	2011	1	9	23	V	0.04	-999	3.1	68
180970073	2011	1	9	24	V	0.04	3.6	3.76	83
180970073	2011	1	10	1	V	0.04	3.2	3.42	101
180970073	2011	1	10	2	V	0.04	3.2	2.69	112
180970073	2011	1	10	3	V	0.04	3.1	2.37	89
180970073	2011	1	10	4	V	0.03	3.7	3.29	85
180970073	2011	1	10	5	V	0.03	3.9	3.95	80
180970073	2011	1	10	6	V	0.03	4.2	4.19	76
180970073	2011	1	10	7	V	0.03	4.4	4.2	78
180970073	2011	1	10	8	V	0.07	5	4.14	79
180970073	2011	1	10	9	V	0.1	4.4	4.24	79
180970073	2011	1	10	10	V	0.04	4.2	5.5	86
180970073	2011	1	10	11	V	0.03	3.7	6.46	91
180970073	2011	1	10	12	V	0.02	4.4	6.55	90
180970073	2011	1	10	13	V	0.02	4.1	6.41	103
180970073	2011	1	10	14	V	0.01	4.6	6.74	82
180970073	2011	1	10	15	V	0.05	5.6	6.6	81
180970073	2011	1	10	16	V	0.03	4.1	6.33	84
180970073	2011	1	10	17	V	0.04	3.8	6.38	81
180970073	2011	1	10	18	V	0.04	3.8	6.45	82
180970073	2011	1	10	19	V	0.03	3.6	6.04	82
180970073	2011	1	10	20	V	0.04	4.3	5.99	70
180970073	2011	1	10	21	V	0.04	4.3	6.55	72
180970073	2011	1	10	22	V	0.04	4.2	6.21	77

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	10	23	V	0.04	3.5	5.28	77
180970073	2011	1	10	24	V	0.04	3.4	5.72	78
180970073	2011	1	11	1	V	0.04	3.4	5.62	83
180970073	2011	1	11	2	V	0.03	3.4	6.09	85
180970073	2011	1	11	3	V	0.03	3.7	5.07	83
180970073	2011	1	11	4	V	0.03	4.6	4.22	86
180970073	2011	1	11	5	V	0.03	5.1	3.98	85
180970073	2011	1	11	6	V	0.03	4.7	3.51	81
180970073	2011	1	11	7	V	0.04	4.7	3.8	70
180970073	2011	1	11	8	V	0.05	4.2	3.57	84
180970073	2011	1	11	9	V	0.1	4.4	3.2	86
180970073	2011	1	11	10	V	0.4	4.6	2.27	85
180970073	2011	1	11	11	V	0.8	4.7	1.54	99
180970073	2011	1	11	12	V	3.3	6.7	0.67	100
180970073	2011	1	11	13	V	20.5	8.3	2.06	242
180970073	2011	1	11	14	V	4.8	15.9	4.63	249
180970073	2011	1	11	15	V	6.5	10.5	5.9	253
180970073	2011	1	11	16	V	0.04	9.5	6.09	273
180970073	2011	1	11	17	V	0.03	8.1	7.14	274
180970073	2011	1	11	18	V	0.03	6.3	7.06	277
180970073	2011	1	11	19	V	0.03	4.9	7.15	280
180970073	2011	1	11	20	V	0.03	4.3	7.18	276
180970073	2011	1	11	21	V	0.1	4.5	7.08	267
180970073	2011	1	11	22	V	0.1	4.9	7.77	268
180970073	2011	1	11	23	V	0.03	4.5	8.1	273
180970073	2011	1	11	24	V	0.03	4	8.5	277
180970073	2011	1	12	1	V	0.03	3.5	9.27	278
180970073	2011	1	12	2	V	0.03	3.3	8.5	285
180970073	2011	1	12	3	V	0.03	3.1	8.73	281
180970073	2011	1	12	4	V	0.02	3.1	8	278
180970073	2011	1	12	5	V	0.02	3.2	7.93	281
180970073	2011	1	12	6	V	0.02	3.1	9.05	285
180970073	2011	1	12	7	V	0.03	3	8.15	294
180970073	2011	1	12	8	V	0.03	3.2	8.35	293
180970073	2011	1	12	9	V	0.01	3.1	8.93	292
180970073	2011	1	12	10	V	0.01	3.2	9	294
180970073	2011	1	12	11	V	0.01	3.2	7.91	284
180970073	2011	1	12	12	V	0.01	3.3	8.1	284
180970073	2011	1	12	13	V	0.01	3.4	7.96	285
180970073	2011	1	12	14	V	0.01	3.6	8.08	286
180970073	2011	1	12	15	V	0.03	3.6	8.05	287
180970073	2011	1	12	16	V	0.03	3.3	7.76	286
180970073	2011	1	12	17	V	0.03	3.3	8.28	286
180970073	2011	1	12	18	V	0.03	3.1	8.03	277
180970073	2011	1	12	19	V	0.04	3.1	6.86	272
180970073	2011	1	12	20	V	0.07	3.1	6.43	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	12	21	V	0.07	3.2	6.4	269
180970073	2011	1	12	22	V	0.04	3.3	6.67	274
180970073	2011	1	12	23	V	0.04	3.5	6.6	272
180970073	2011	1	12	24	V	0.07	3.6	6.91	269
180970073	2011	1	13	1	V	0.03	3.4	5.96	279
180970073	2011	1	13	2	V	0.04	3.4	5.6	271
180970073	2011	1	13	3	V	0.03	3.3	5	281
180970073	2011	1	13	4	V	0.03	3.2	4.58	274
180970073	2011	1	13	5	V	0.08	3.3	4.32	268
180970073	2011	1	13	6	V	0.4	3.3	4.48	264
180970073	2011	1	13	7	V	0.4	3.4	4.48	264
180970073	2011	1	13	8	V	0.3	3.3	4.94	265
180970073	2011	1	13	9	V	4.9	3.3	4.73	250
180970073	2011	1	13	10	V	7.9	17.7	4.36	245
180970073	2011	1	13	11	V	27.5	38	4.02	236
180970073	2011	1	13	12	V	14.3	32.7	4.09	241
180970073	2011	1	13	13	V	5.9	11.4	4.87	244
180970073	2011	1	13	14	V	3.9	10.3	5.36	250
180970073	2011	1	13	15	V	6.2	19.5	5.36	245
180970073	2011	1	13	16	V	5.0	22.8	5.07	241
180970073	2011	1	13	17	V	17.0	18.1	4.48	237
180970073	2011	1	13	18	V	4.8	13.3	3.93	241
180970073	2011	1	13	19	V	0.04	9.7	2.88	216
180970073	2011	1	13	20	V	0.04	12.4	3.17	217
180970073	2011	1	13	21	V	0.05	13	3.49	218
180970073	2011	1	13	22	V	17.3	8.3	3.4	237
180970073	2011	1	13	23	V	0.04	16.1	3.17	206
180970073	2011	1	13	24	V	0.04	8.5	3.64	206
180970073	2011	1	14	1	V	0.04	6.8	3.56	209
180970073	2011	1	14	2	V	0.04	7.9	2.7	201
180970073	2011	1	14	3	V	0.04	8.9	2.86	168
180970073	2011	1	14	4	V	0.04	8.2	3.67	163
180970073	2011	1	14	5	V	0.04	9.1	3.4	170
180970073	2011	1	14	6	V	0.03	9.2	3.71	178
180970073	2011	1	14	7	V	0.03	8.6	3.25	165
180970073	2011	1	14	8	V	0.1	7.1	3.37	166
180970073	2011	1	14	9	V	0.2	6.4	3.68	173
180970073	2011	1	14	10	V	0.2	8.3	3.63	183
180970073	2011	1	14	11	V	0.1	7.8	4.29	204
180970073	2011	1	14	12	V	1.2	9.8	4.27	217
180970073	2011	1	14	13	V	17.4	16.3	4.31	239
180970073	2011	1	14	14	V	6.4	21.5	4.12	253
180970073	2011	1	14	15	V	7.1	32.6	3.57	252
180970073	2011	1	14	16	V	9.8	12.2	3.88	251
180970073	2011	1	14	17	V	6.1	10.1	3.52	247
180970073	2011	1	14	18	V	23.1	6.3	3.49	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	14	19	V	0.04	7.1	3.76	216
180970073	2011	1	14	20	V	3.1	9.3	4.7	224
180970073	2011	1	14	21	V	2.4	9.3	3.93	224
180970073	2011	1	14	22	V	0.04	14	2.84	215
180970073	2011	1	14	23	V	0.04	18	3.41	200
180970073	2011	1	14	24	V	0.04	8.8	3.64	205
180970073	2011	1	15	1	V	0.03	10.8	3.52	203
180970073	2011	1	15	2	V	0.03	10.7	3.3	188
180970073	2011	1	15	3	V	0.03	8.5	3.39	198
180970073	2011	1	15	4	V	0.03	8.4	4.73	213
180970073	2011	1	15	5	V	0.03	10.8	5.92	213
180970073	2011	1	15	6	V	0.05	10	5.53	217
180970073	2011	1	15	7	V	2.1	8.8	6.81	223
180970073	2011	1	15	8	V	17.9	11.2	7.77	232
180970073	2011	1	15	9	V	8.3	12.9	7.67	234
180970073	2011	1	15	10	V	3.2	6.5	7.26	239
180970073	2011	1	15	11	V	2.0	11.4	7.86	254
180970073	2011	1	15	12	V	0.01	6.2	7.77	272
180970073	2011	1	15	13	V	0.01	5	7.94	282
180970073	2011	1	15	14	V	0.01	5	6.84	302
180970073	2011	1	15	15	V	0.04	4	6.77	304
180970073	2011	1	15	16	V	0.03	3.4	6.4	312
180970073	2011	1	15	17	V	0.04	3.1	5.7	307
180970073	2011	1	15	18	V	0.04	2.9	4.97	307
180970073	2011	1	15	19	V	0.04	2.9	4.51	301
180970073	2011	1	15	20	V	0.04	2.9	4.02	293
180970073	2011	1	15	21	V	0.04	2.9	3.63	300
180970073	2011	1	15	22	V	0.04	3.1	3.52	303
180970073	2011	1	15	23	V	0.04	3.2	3.37	314
180970073	2011	1	15	24	V	0.03	3.2	3.47	317
180970073	2011	1	16	1	V	0.04	3.1	3.1	318
180970073	2011	1	16	2	V	0.05	3.2	2.88	297
180970073	2011	1	16	3	V	0.4	3.3	2.54	262
180970073	2011	1	16	4	V	0.2	3.4	1.59	280
180970073	2011	1	16	5	V	0.1	3.6	1.79	319
180970073	2011	1	16	6	V	0.1	3.7	1.81	330
180970073	2011	1	16	7	V	0.2	3.5	1.72	14
180970073	2011	1	16	8	V	0.3	3.5	2.2	5
180970073	2011	1	16	9	V	4.2	3.7	0.77	271
180970073	2011	1	16	10	V	3.0	4.8	0.72	26
180970073	2011	1	16	11	V	2.3	4.2	0.87	113
180970073	2011	1	16	12	V	0.3	4.2	2.45	87
180970073	2011	1	16	13	V	1.2	4.4	1.45	72
180970073	2011	1	16	14	V	0.3	4	2.23	98
180970073	2011	1	16	15	V	0.05	3.8	2.2	92
180970073	2011	1	16	16	V	0.07	3.5	2.04	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	16	17	V	0.05	3.4	2.38	98
180970073	2011	1	16	18	V	0.05	3	2.59	94
180970073	2011	1	16	19	V	0.03	3	3.51	113
180970073	2011	1	16	20	V	0.04	2.8	2.89	109
180970073	2011	1	16	21	V	0.03	2.9	3.41	83
180970073	2011	1	16	22	V	0.03	2.8	4.17	79
180970073	2011	1	16	23	V	0.03	-999	3.52	85
180970073	2011	1	16	24	V	0.02	3.1	3.54	86
180970073	2011	1	17	1	V	0.03	3.7	3.73	90
180970073	2011	1	17	2	V	0.03	3.5	4.25	106
180970073	2011	1	17	3	V	0.03	3.1	4.36	117
180970073	2011	1	17	4	V	0.03	3.1	4.95	124
180970073	2011	1	17	5	V	0.03	3.4	4.27	117
180970073	2011	1	17	6	V	0.03	3.6	3.85	112
180970073	2011	1	17	7	V	0.03	4.1	4.49	114
180970073	2011	1	17	8	V	0.06	5.9	4.32	116
180970073	2011	1	17	9	V	0.2	9.2	3.13	133
180970073	2011	1	17	10	V	0.06	10.4	4.75	132
180970073	2011	1	17	11	V	0.07	13.8	4.7	130
180970073	2011	1	17	12	V	0.05	15.5	5.05	122
180970073	2011	1	17	13	V	0.04	15.1	5.24	129
180970073	2011	1	17	14	V	0.05	11.9	4.94	136
180970073	2011	1	17	15	V	0.05	9.6	5.16	136
180970073	2011	1	17	16	V	0.04	8.1	5.67	135
180970073	2011	1	17	17	V	0.04	6.9	5.77	134
180970073	2011	1	17	18	V	0.04	5.9	5.67	139
180970073	2011	1	17	19	V	0.04	6.5	5.6	133
180970073	2011	1	17	20	V	0.04	7.1	6.23	142
180970073	2011	1	17	21	V	0.04	7.4	6.06	149
180970073	2011	1	17	22	V	0.04	5.8	4.44	152
180970073	2011	1	17	23	V	0.04	4.8	4.2	140
180970073	2011	1	17	24	V	0.03	4.5	4.14	144
180970073	2011	1	18	1	V	0.03	3.7	4.29	152
180970073	2011	1	18	2	V	0.03	3.8	4.09	158
180970073	2011	1	18	3	V	0.03	3.4	4.17	166
180970073	2011	1	18	4	V	0.03	3.1	3.54	165
180970073	2011	1	18	5	V	0.03	3.1	4.14	176
180970073	2011	1	18	6	V	0.03	3.2	3.57	185
180970073	2011	1	18	7	V	0.03	3	3.03	187
180970073	2011	1	18	8	V	0.06	2.9	2.81	186
180970073	2011	1	18	9	V	13.6	3.1	1.84	223
180970073	2011	1	18	10	V	1.5	2.9	1.14	285
180970073	2011	1	18	11	V	1.3	3.3	1.23	301
180970073	2011	1	18	12	V	0.3	3.7	2.86	299
180970073	2011	1	18	13	V	0.1	3.8	3.69	323
180970073	2011	1	18	14	V	0.1	3.8	4.03	325

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	18	15	V	0.05	3.6	4.87	332
180970073	2011	1	18	16	V	0.04	3.2	5.1	332
180970073	2011	1	18	17	V	0.04	3.1	5.11	332
180970073	2011	1	18	18	V	0.04	3.2	5.55	340
180970073	2011	1	18	19	V	0.04	3.3	5.39	340
180970073	2011	1	18	20	V	0.04	3.1	5.33	334
180970073	2011	1	18	21	V	0.04	3.2	5.84	324
180970073	2011	1	18	22	V	0.04	3.1	6.4	335
180970073	2011	1	18	23	V	0.04	3	6.06	335
180970073	2011	1	18	24	V	0.04	3.3	4.78	338
180970073	2011	1	19	1	V	0.04	3.3	4.83	330
180970073	2011	1	19	2	V	0.03	3.2	4.97	319
180970073	2011	1	19	3	V	0.03	3	4.88	320
180970073	2011	1	19	4	V	0.03	2.9	5.28	332
180970073	2011	1	19	5	V	0.03	2.7	5	331
180970073	2011	1	19	6	V	0.03	2.7	4.44	333
180970073	2011	1	19	7	V	0.03	2.6	5.24	329
180970073	2011	1	19	8	V	0.06	2.6	4.43	333
180970073	2011	1	19	9	V	0.05	2.8	5.11	329
180970073	2011	1	19	10	V	0.1	2.9	3.85	334
180970073	2011	1	19	11	V	0.4	2.9	2.38	320
180970073	2011	1	19	12	V	0.3	3	2.78	294
180970073	2011	1	19	13	V	0.2	3.1	3.3	280
180970073	2011	1	19	14	V	0.1	3	3.92	286
180970073	2011	1	19	15	V	0.05	3	4.6	286
180970073	2011	1	19	16	V	0.04	2.9	4.43	290
180970073	2011	1	19	17	V	0.04	3	3.8	287
180970073	2011	1	19	18	V	0.04	2.9	3.8	280
180970073	2011	1	19	19	V	0.04	2.9	4.41	284
180970073	2011	1	19	20	V	0.04	2.8	4.24	310
180970073	2011	1	19	21	V	0.04	2.7	3.12	304
180970073	2011	1	19	22	V	0.09	2.7	1.87	296
180970073	2011	1	19	23	V	0.04	2.8	3.1	292
180970073	2011	1	19	24	V	0.03	2.7	3.4	329
180970073	2011	1	20	1	V	0.03	2.9	2.69	345
180970073	2011	1	20	2	V	0.07	3	1.94	6
180970073	2011	1	20	3	V	0.04	3.2	2.4	5
180970073	2011	1	20	4	V	0.03	3.4	2.69	353
180970073	2011	1	20	5	V	0.03	3.8	3.56	342
180970073	2011	1	20	6	V	0.04	3.2	3.85	343
180970073	2011	1	20	7	V	0.04	3	3.1	347
180970073	2011	1	20	8	V	0.06	2.8	3.32	351
180970073	2011	1	20	9	V	0.2	2.9	3.1	12
180970073	2011	1	20	10	V	0.2	2.8	3.03	10
180970073	2011	1	20	11	V	0.1	3.2	3.56	357
180970073	2011	1	20	12	V	0.1	4.1	3.17	349

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	20	13	V	0.1	4.5	3.2	345
180970073	2011	1	20	14	V	0.04	-999	4.36	328
180970073	2011	1	20	15	V	0.04	3.5	5.56	324
180970073	2011	1	20	16	V	0.04	3.9	5.02	310
180970073	2011	1	20	17	V	0.04	3.3	4.95	300
180970073	2011	1	20	18	V	0.04	3.7	4.41	289
180970073	2011	1	20	19	V	0.08	3.2	4.15	267
180970073	2011	1	20	20	V	0.4	2.9	5.17	264
180970073	2011	1	20	21	V	0.09	3.1	6.92	268
180970073	2011	1	20	22	V	0.1	3.8	6.72	266
180970073	2011	1	20	23	V	0.3	4.2	6	265
180970073	2011	1	20	24	V	0.03	4	6.46	288
180970073	2011	1	21	1	V	0.02	3.5	6.46	289
180970073	2011	1	21	2	V	0.03	3.3	5.96	280
180970073	2011	1	21	3	V	0.02	3	7.46	289
180970073	2011	1	21	4	V	0.02	3	5.96	290
180970073	2011	1	21	5	V	0.02	3.1	6.96	287
180970073	2011	1	21	6	V	0.02	3.1	6	286
180970073	2011	1	21	7	V	0.03	3.2	5.5	287
180970073	2011	1	21	8	V	0.06	3.1	4.51	291
180970073	2011	1	21	9	V	0.2	3.4	3.68	290
180970073	2011	1	21	10	V	0.3	3.9	3.69	296
180970073	2011	1	21	11	V	0.2	3.9	4	295
180970073	2011	1	21	12	V	0.2	3.7	3.98	313
180970073	2011	1	21	13	V	0.3	3.5	3.12	300
180970073	2011	1	21	14	V	0.5	3.4	2.28	309
180970073	2011	1	21	15	V	0.06	3.5	2.83	275
180970073	2011	1	21	16	V	0.04	3.5	3.12	288
180970073	2011	1	21	17	V	0.04	3.4	2.76	294
180970073	2011	1	21	18	V	5.4	3.4	2.69	256
180970073	2011	1	21	19	V	0.09	3.5	2.16	305
180970073	2011	1	21	20	V	0.2	3.4	1.57	358
180970073	2011	1	21	21	V	1.8	3.1	0.57	335
180970073	2011	1	21	22	V	1.5	3	0.67	26
180970073	2011	1	21	23	V	1.6	3.1	0.65	7
180970073	2011	1	21	24	V	0.2	3.1	1.47	104
180970073	2011	1	22	1	V	0.08	3.3	2.01	152
180970073	2011	1	22	2	V	0.04	3.8	2.83	151
180970073	2011	1	22	3	V	0.04	3.6	2.71	153
180970073	2011	1	22	4	V	0.03	4.1	3.25	148
180970073	2011	1	22	5	V	0.03	3.5	3.71	160
180970073	2011	1	22	6	V	0.04	3.4	3.35	159
180970073	2011	1	22	7	V	0.04	4.3	3.8	183
180970073	2011	1	22	8	V	0.05	4	3.91	171
180970073	2011	1	22	9	V	0.1	3.8	3.69	168
180970073	2011	1	22	10	V	0.2	3.9	3.52	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	22	11	V	0.1	6.9	4.19	202
180970073	2011	1	22	12	V	0.1	9.2	4	198
180970073	2011	1	22	13	V	0.08	11.1	4.41	198
180970073	2011	1	22	14	V	8.5	21.1	6.67	235
180970073	2011	1	22	15	V	6.4	35.3	6.94	241
180970073	2011	1	22	16	V	10.1	16.2	5.9	238
180970073	2011	1	22	17	V	6.7	13.6	5.48	249
180970073	2011	1	22	18	V	5.7	16	5.6	255
180970073	2011	1	22	19	V	4.8	14.9	5.36	246
180970073	2011	1	22	20	V	6.2	16.3	5.39	248
180970073	2011	1	22	21	V	0.06	12.4	4.2	269
180970073	2011	1	22	22	V	0.04	7	2.93	273
180970073	2011	1	22	23	V	0.04	5.1	2.54	279
180970073	2011	1	22	24	V	0.03	4.8	3.23	294
180970073	2011	1	23	1	V	0.03	4.9	3.51	313
180970073	2011	1	23	2	V	0.03	3.9	5.48	343
180970073	2011	1	23	3	V	0.03	4.4	4.17	358
180970073	2011	1	23	4	V	0.04	4	2.4	351
180970073	2011	1	23	5	V	0.07	3.4	2.1	350
180970073	2011	1	23	6	V	0.1	4.3	1.94	25
180970073	2011	1	23	7	V	0.6	3.7	1.03	46
180970073	2011	1	23	8	V	0.07	4.2	2.38	17
180970073	2011	1	23	9	V	0.1	4.5	3.85	36
180970073	2011	1	23	10	V	0.2	4.9	3.69	53
180970073	2011	1	23	11	V	0.1	4.5	3.83	61
180970073	2011	1	23	12	V	0.1	4	3.75	77
180970073	2011	1	23	13	V	0.06	3.2	4.53	84
180970073	2011	1	23	14	V	0.05	3	4.54	105
180970073	2011	1	23	15	V	0.05	3	4.17	110
180970073	2011	1	23	16	V	0.04	3.3	4.7	114
180970073	2011	1	23	17	V	0.04	3.3	4.78	102
180970073	2011	1	23	18	V	0.03	4.1	4.32	91
180970073	2011	1	23	19	V	0.04	3.7	4.83	91
180970073	2011	1	23	20	V	0.04	3.7	4.66	92
180970073	2011	1	23	21	V	0.04	4.1	4.66	103
180970073	2011	1	23	22	V	0.04	4.4	5.39	107
180970073	2011	1	23	23	V	0.04	-999	5.15	115
180970073	2011	1	23	24	V	0.03	7.3	5.82	119
180970073	2011	1	24	1	V	0.03	9.7	4.9	120
180970073	2011	1	24	2	V	0.03	10	4.87	121
180970073	2011	1	24	3	V	0.03	9.4	4.71	128
180970073	2011	1	24	4	V	0.03	9.9	5.09	131
180970073	2011	1	24	5	V	0.03	8.4	4.56	133
180970073	2011	1	24	6	V	0.04	7.5	4.51	131
180970073	2011	1	24	7	V	0.04	7.3	4.1	130
180970073	2011	1	24	8	V	0.06	7.3	4.24	130

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	24	9	V	0.09	8.1	4	138
180970073	2011	1	24	10	V	0.09	8.7	4.22	143
180970073	2011	1	24	11	V	0.2	7.5	3.48	148
180970073	2011	1	24	12	V	0.3	6.6	2.86	168
180970073	2011	1	24	13	V	0.2	6.4	3.36	159
180970073	2011	1	24	14	V	0.2	7	3.36	187
180970073	2011	1	24	15	V	0.06	6.7	3.36	213
180970073	2011	1	24	16	V	0.06	7.9	3.86	218
180970073	2011	1	24	17	V	0.06	10.3	3.86	218
180970073	2011	1	24	18	V	0.04	9.9	3.86	212
180970073	2011	1	24	19	V	0.04	13.4	3.86	212
180970073	2011	1	24	20	V	0.3	11.6	2.86	222
180970073	2011	1	24	21	V	0.04	6.2	3.54	215
180970073	2011	1	24	22	V	3.6	5.9	3.68	225
180970073	2011	1	24	23	V	5.4	14.8	4.53	241
180970073	2011	1	24	24	V	3.9	7.9	4.82	245
180970073	2011	1	25	1	V	2.9	14.9	3.3	241
180970073	2011	1	25	2	V	0.5	11.5	4.19	263
180970073	2011	1	25	3	V	0.04	8.3	5.22	270
180970073	2011	1	25	4	V	0.02	6.7	3.95	279
180970073	2011	1	25	5	V	0.04	5.1	2.49	293
180970073	2011	1	25	6	V	0.06	5.7	2.38	282
180970073	2011	1	25	7	V	0.05	4.4	2.79	293
180970073	2011	1	25	8	V	0.3	4.2	2.37	318
180970073	2011	1	25	9	V	1.0	3.7	1.28	340
180970073	2011	1	25	10	V	0.5	4.3	1.96	294
180970073	2011	1	25	11	V	1.7	5.2	1.23	311
180970073	2011	1	25	12	V	1.0	7.1	1.79	21
180970073	2011	1	25	13	V	0.3	9.5	2.9	329
180970073	2011	1	25	14	V	0.5	8.7	1.86	313
180970073	2011	1	25	15	V	0.2	8.7	2.47	324
180970073	2011	1	25	16	V	0.07	6.2	2.15	9
180970073	2011	1	25	17	V	0.03	4.1	4	9
180970073	2011	1	25	18	V	0.03	3.5	4.24	1
180970073	2011	1	25	19	V	0.04	3.7	4.12	26
180970073	2011	1	25	20	V	0.04	3.9	4.32	35
180970073	2011	1	25	21	V	0.04	4.5	3.86	38
180970073	2011	1	25	22	V	0.04	3.4	2.86	30
180970073	2011	1	25	23	V	0.04	3.2	3.49	12
180970073	2011	1	25	24	V	0.03	3.2	3.01	18
180970073	2011	1	26	1	V	0.03	3.1	3.93	13
180970073	2011	1	26	2	V	0.03	2.9	4.03	17
180970073	2011	1	26	3	V	0.03	2.9	3.9	9
180970073	2011	1	26	4	V	0.03	3	5.12	1
180970073	2011	1	26	5	V	0.04	2.9	5.43	2
180970073	2011	1	26	6	V	0.04	3	5.07	4

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	26	7	V	0.04	3.1	4.94	6
180970073	2011	1	26	8	V	0.06	3.2	4.88	7
180970073	2011	1	26	9	V	0.09	2.9	4.14	6
180970073	2011	1	26	10	V	0.09	3	4.27	4
180970073	2011	1	26	11	V	0.1	3	3.81	353
180970073	2011	1	26	12	V	0.08	3.2	3.9	335
180970073	2011	1	26	13	V	0.04	3.4	4.85	318
180970073	2011	1	26	14	V	0.02	3.7	5.39	316
180970073	2011	1	26	15	V	0.05	3.8	4.83	313
180970073	2011	1	26	16	V	0.04	3.5	4.61	318
180970073	2011	1	26	17	V	0.04	4.4	4.92	302
180970073	2011	1	26	18	V	0.04	4	4.39	287
180970073	2011	1	26	19	V	0.04	3.5	4.17	284
180970073	2011	1	26	20	V	0.04	3.2	4.22	285
180970073	2011	1	26	21	V	0.04	3.3	3.68	292
180970073	2011	1	26	22	V	0.04	3	3.69	273
180970073	2011	1	26	23	V	7.9	3	4.59	253
180970073	2011	1	26	24	V	3.3	3.8	4.17	242
180970073	2011	1	27	1	V	4.4	4.1	4.27	257
180970073	2011	1	27	2	V	0.4	3.3	4.85	264
180970073	2011	1	27	3	V	6.8	4	5.02	254
180970073	2011	1	27	4	V	0.3	4.1	5.31	265
180970073	2011	1	27	5	V	7.2	8.9	5.29	253
180970073	2011	1	27	6	V	14.5	8.4	5.56	237
180970073	2011	1	27	7	V	3.9	8.5	4.61	244
180970073	2011	1	27	8	V	5.6	7.7	5.46	224
180970073	2011	1	27	9	V	2.6	10.4	5.31	223
180970073	2011	1	27	10	V	0.3	7.3	4.95	217
180970073	2011	1	27	11	V	10.1	16	5.84	237
180970073	2011	1	27	12	V	12.8	10	6.04	231
180970073	2011	1	27	13	V	0.05	16.2	6.87	220
180970073	2011	1	27	14	V	0.01	7.2	6.16	208
180970073	2011	1	27	15	V	0.01	4.8	5.7	200
180970073	2011	1	27	16	V	0.03	5.3	5.89	213
180970073	2011	1	27	17	V	0.03	7.2	4.66	206
180970073	2011	1	27	18	V	0.03	6.5	3.95	215
180970073	2011	1	27	19	V	0.04	7.3	3.85	217
180970073	2011	1	27	20	V	0.4	7.9	4.15	221
180970073	2011	1	27	21	V	0.04	11.4	2.91	209
180970073	2011	1	27	22	V	0.05	11.9	2.47	217
180970073	2011	1	27	23	V	7.3	9.8	2.86	239
180970073	2011	1	27	24	V	0.04	11.9	3.59	269
180970073	2011	1	28	1	V	0.03	7.5	5.34	301
180970073	2011	1	28	2	V	0.03	5.6	5.73	306
180970073	2011	1	28	3	V	0.03	4.3	6.3	317
180970073	2011	1	28	4	V	0.03	4	5.63	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	28	5	V	0.03	4.5	4.83	313
180970073	2011	1	28	6	V	0.04	4.7	4.12	311
180970073	2011	1	28	7	V	0.04	4.1	3.06	293
180970073	2011	1	28	8	V	0.06	4.2	3.1	299
180970073	2011	1	28	9	V	0.2	4.3	3.08	301
180970073	2011	1	28	10	V	0.08	4.8	3.71	307
180970073	2011	1	28	11	V	0.07	4.7	3.61	293
180970073	2011	1	28	12	V	0.2	4.7	2.95	272
180970073	2011	1	28	13	V	0.08	4.4	3.22	283
180970073	2011	1	28	14	V	0.06	4.2	3.3	273
180970073	2011	1	28	15	V	0.07	3.7	2.81	276
180970073	2011	1	28	16	V	3.0	7	3.27	244
180970073	2011	1	28	17	V	2.3	7.9	2.83	244
180970073	2011	1	28	18	V	0.03	32.6	3.35	207
180970073	2011	1	28	19	V	0.05	4.2	2.69	212
180970073	2011	1	28	20	V	0.07	3.7	2.16	168
180970073	2011	1	28	21	V	0.04	9.3	2.93	172
180970073	2011	1	28	22	V	0.03	6.2	3.01	155
180970073	2011	1	28	23	V	0.02	4.3	3.71	185
180970073	2011	1	28	24	V	0.02	3.8	3.83	173
180970073	2011	1	29	1	V	0.02	3.2	2.88	160
180970073	2011	1	29	2	V	0.02	3.5	3.13	132
180970073	2011	1	29	3	V	0.02	4.3	3.69	156
180970073	2011	1	29	4	V	0.02	5	3.54	155
180970073	2011	1	29	5	V	0.02	4.6	4.68	180
180970073	2011	1	29	6	V	0.02	4.1	3.69	221
180970073	2011	1	29	7	V	11.3	4.7	4.49	235
180970073	2011	1	29	8	V	5.4	10.1	4.41	253
180970073	2011	1	29	9	V	3.7	7.6	4.75	256
180970073	2011	1	29	10	V	0.01	6.1	6.4	289
180970073	2011	1	29	11	V	0.01	4.6	7.71	302
180970073	2011	1	29	12	V	0.03	4.1	5.26	290
180970073	2011	1	29	13	V	0.06	3.8	4.83	306
180970073	2011	1	29	14	V	0.02	3.6	6.02	322
180970073	2011	1	29	15	V	0.04	3.6	4.66	301
180970073	2011	1	29	16	V	0.02	3.7	3.93	306
180970073	2011	1	29	17	V	0.02	3.2	3.56	306
180970073	2011	1	29	18	V	0.08	3.3	1.48	315
180970073	2011	1	29	19	V	0.03	3.4	2.35	296
180970073	2011	1	29	20	V	0.08	3	1.77	318
180970073	2011	1	29	21	V	0.06	2.9	1.89	1
180970073	2011	1	29	22	V	0.4	3	1.01	53
180970073	2011	1	29	23	V	0.2	3	1.37	202
180970073	2011	1	29	24	V	0.09	2.8	1.59	130
180970073	2011	1	30	1	V	0.2	2.7	1.16	23
180970073	2011	1	30	2	V	0.1	3	1.5	355

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	1	30	3	V	0.3	2.9	1.11	353
180970073	2011	1	30	4	V	0.06	2.7	2.01	25
180970073	2011	1	30	5	V	0.03	2.8	2.86	33
180970073	2011	1	30	6	V	0.02	2.8	2.95	37
180970073	2011	1	30	7	V	0.02	2.9	2.76	48
180970073	2011	1	30	8	V	0.06	3.3	2.5	43
180970073	2011	1	30	9	V	0.06	3.3	4.05	42
180970073	2011	1	30	10	V	0.2	4.3	3.22	54
180970073	2011	1	30	11	V	0.07	5	4.02	48
180970073	2011	1	30	12	V	0.02	4.5	5.33	62
180970073	2011	1	30	13	V	0.03	4	5.16	64
180970073	2011	1	30	14	V	0.03	4.1	4.42	54
180970073	2011	1	30	15	V	0.02	4	4.82	42
180970073	2011	1	30	16	V	0.02	3.9	5.19	49
180970073	2011	1	30	17	V	0.02	3.3	6.29	45
180970073	2011	1	30	18	V	0.02	2.8	5.67	40
180970073	2011	1	30	19	V	0.02	2.9	5.53	38
180970073	2011	1	30	20	V	0.02	3	4.85	41
180970073	2011	1	30	21	V	0.02	3	4.6	49
180970073	2011	1	30	22	V	0.02	3.2	4.22	59
180970073	2011	1	30	23	V	0.02	-999	5.44	67
180970073	2011	1	30	24	V	0.02	3.5	5.87	68
180970073	2011	1	31	1	V	0.02	3.3	6.41	55
180970073	2011	1	31	2	V	0.02	3.1	6.12	56
180970073	2011	1	31	3	V	0.02	3.1	6.16	58
180970073	2011	1	31	4	V	0.02	3.3	5.6	62
180970073	2011	1	31	5	V	0.02	3.2	5.65	59
180970073	2011	1	31	6	V	0.03	3.2	6.28	62
180970073	2011	1	31	7	V	0.03	3.6	5.87	72
180970073	2011	1	31	8	V	0.03	4.7	5.68	63
180970073	2011	1	31	9	V	0.02	4.8	6.48	69
180970073	2011	1	31	10	V	0.02	4.9	6.21	76
180970073	2011	1	31	11	V	0.01	4.9	7.35	79
180970073	2011	1	31	12	V	0.02	4.8	6.6	83
180970073	2011	1	31	13	V	0.02	4.7	6.52	81
180970073	2011	1	31	14	V	0.01	4.5	6.74	82
180970073	2011	1	31	15	V	0.05	4.3	6.62	90
180970073	2011	1	31	16	V	0.04	4	6.31	82
180970073	2011	1	31	17	V	0.04	3.9	5.04	73
180970073	2011	1	31	18	V	0.04	3.5	5.73	51
180970073	2011	1	31	19	V	0.04	3.2	6.48	64
180970073	2011	1	31	20	V	0.04	3.1	6.57	67
180970073	2011	1	31	21	V	0.04	3	6.91	88
180970073	2011	1	31	22	V	0.03	3.4	7.09	98
180970073	2011	1	31	23	V	0.04	3.9	5.38	100
180970073	2011	1	31	24	V	0.04	4.1	5.41	99

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	1	1	V	0.04	4.4	4.51	107
180970073	2011	2	1	2	V	0.03	3.7	2.98	97
180970073	2011	2	1	3	V	0.05	3.2	2.13	60
180970073	2011	2	1	4	V	0.03	4.3	3.63	20
180970073	2011	2	1	5	V	0.03	5.1	4.63	29
180970073	2011	2	1	6	V	0.03	4.7	5.84	28
180970073	2011	2	1	7	V	0.04	4.4	6.04	31
180970073	2011	2	1	8	V	0.05	4.2	5.97	35
180970073	2011	2	1	9	V	0.06	4.7	5.12	40
180970073	2011	2	1	10	V	0.03	4.6	5.34	48
180970073	2011	2	1	11	V	0.02	4.6	5.67	45
180970073	2011	2	1	12	V	0.02	4.6	6.01	41
180970073	2011	2	1	13	V	0.02	4.4	6.4	43
180970073	2011	2	1	14	V	0.01	4.5	7.76	46
180970073	2011	2	1	15	V	0.04	4.9	8.05	48
180970073	2011	2	1	16	V	0.03	4.3	8.33	51
180970073	2011	2	1	17	V	0.03	4	8.4	50
180970073	2011	2	1	18	V	0.03	3.9	9.42	58
180970073	2011	2	1	19	V	0.03	3.8	11.24	56
180970073	2011	2	1	20	V	0.03	3.8	11.75	64
180970073	2011	2	1	21	V	0.03	4	9.66	73
180970073	2011	2	1	22	V	0.03	4.3	7.93	81
180970073	2011	2	1	23	V	0.03	4.4	6.79	91
180970073	2011	2	1	24	V	0.03	4.1	5.9	112
180970073	2011	2	2	1	V	0.02	3.9	8.18	185
180970073	2011	2	2	2	V	4.4	4.4	12.65	226
180970073	2011	2	2	3	V	0.5	5.3	14.44	220
180970073	2011	2	2	4	V	0.5	5.1	12.62	220
180970073	2011	2	2	5	V	1.4	4.4	12.24	222
180970073	2011	2	2	6	V	11.1	10.8	14.13	230
180970073	2011	2	2	7	V	4.8	6.3	13.49	242
180970073	2011	2	2	8	V	5.9	9.7	12.7	250
180970073	2011	2	2	9	V	0.9	5	11.48	257
180970073	2011	2	2	10	V	1.7	5	10.87	253
180970073	2011	2	2	11	V	0.2	3.3	9.59	262
180970073	2011	2	2	12	V	0.01	3.3	9.49	274
180970073	2011	2	2	13	V	0.01	3.4	9.73	282
180970073	2011	2	2	14	V	0.01	3.3	9.37	280
180970073	2011	2	2	15	V	0.01	3.4	8.93	284
180970073	2011	2	2	16	V	0.03	3.5	8.08	289
180970073	2011	2	2	17	V	0.03	3.4	7.47	285
180970073	2011	2	2	18	V	0.03	3.4	6.67	287
180970073	2011	2	2	19	V	0.03	3.4	6.12	282
180970073	2011	2	2	20	V	0.04	3.4	6.65	273
180970073	2011	2	2	21	V	0.03	3.2	7.3	281
180970073	2011	2	2	22	V	0.03	3	6.84	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	2	23	V	0.03	2.9	6.18	296
180970073	2011	2	2	24	V	0.03	2.8	5.79	296
180970073	2011	2	3	1	V	0.03	2.8	5.09	286
180970073	2011	2	3	2	V	0.03	2.9	4.46	284
180970073	2011	2	3	3	V	0.03	2.9	4.05	282
180970073	2011	2	3	4	V	0.04	2.9	3.07	285
180970073	2011	2	3	5	V	0.05	2.9	2.93	282
180970073	2011	2	3	6	V	0.03	3.2	3.35	273
180970073	2011	2	3	7	V	0.08	3.5	3.37	266
180970073	2011	2	3	8	V	1.0	3.5	3.01	266
180970073	2011	2	3	9	V	1.4	3.9	3.1	266
180970073	2011	2	3	10	V	0.3	4.2	3.24	285
180970073	2011	2	3	11	V	1.0	4.2	2.06	312
180970073	2011	2	3	12	V	21.9	4.1	1.54	246
180970073	2011	2	3	13	V	35.1	17.9	2.83	234
180970073	2011	2	3	14	V	33.5	21.6	2.84	236
180970073	2011	2	3	15	V	14.6	48.2	3.37	243
180970073	2011	2	3	16	V	2.1	39.9	3.07	244
180970073	2011	2	3	17	V	20.3	28.7	3.98	235
180970073	2011	2	3	18	V	1.4	17.2	3.95	242
180970073	2011	2	3	19	V	3.8	9.2	3.39	246
180970073	2011	2	3	20	V	1.3	5.1	3.15	259
180970073	2011	2	3	21	V	0.4	6.5	3.08	262
180970073	2011	2	3	22	V	6.6	8	2.96	247
180970073	2011	2	3	23	V	7.3	9.2	2.56	247
180970073	2011	2	3	24	V	12.7	28.1	2.62	238
180970073	2011	2	4	1	V	14.6	9	2.61	251
180970073	2011	2	4	2	V	5.3	6.2	2.74	226
180970073	2011	2	4	3	V	7.5	9.2	3.07	227
180970073	2011	2	4	4	V	5.9	11.1	2.62	226
180970073	2011	2	4	5	V	0.07	9.5	2.51	215
180970073	2011	2	4	6	V	0.07	7.8	2.49	216
180970073	2011	2	4	7	V	0.04	12.3	2.86	203
180970073	2011	2	4	8	V	27.3	15.1	1.98	240
180970073	2011	2	4	9	V	0.7	19.4	2.91	210
180970073	2011	2	4	10	V	7.2	23.8	2.96	219
180970073	2011	2	4	11	V	25.6	79.8	2.59	230
180970073	2011	2	4	12	V	10.8	89.4	2.95	250
180970073	2011	2	4	13	V	21.1	59	3.59	229
180970073	2011	2	4	14	V	8.9	94.8	3.73	246
180970073	2011	2	4	15	V	7.5	76.9	2.79	240
180970073	2011	2	4	16	V	9.9	118.8	2.08	227
180970073	2011	2	4	17	V	30.3	19.9	1.86	233
180970073	2011	2	4	18	V	4.3	15.8	2.45	257
180970073	2011	2	4	19	V	10.2	7.4	1.23	255
180970073	2011	2	4	20	C	-999	7	0	0

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	4	21	V	0.5	7.4	1.16	117
180970073	2011	2	4	22	V	0.06	7.8	2.28	135
180970073	2011	2	4	23	V	0.1	7.5	1.72	126
180970073	2011	2	4	24	V	0.6	6.6	0.99	345
180970073	2011	2	5	1	V	0.08	5.8	2.03	347
180970073	2011	2	5	2	V	0.05	6.4	2.35	18
180970073	2011	2	5	3	V	0.4	6.1	1.2	12
180970073	2011	2	5	4	V	0.04	6.2	3.52	32
180970073	2011	2	5	5	V	0.05	5.9	2.38	88
180970073	2011	2	5	6	V	0.2	5.5	1.65	146
180970073	2011	2	5	7	V	0.05	4.9	2.32	51
180970073	2011	2	5	8	V	0.09	5.5	3.12	68
180970073	2011	2	5	9	V	0.2	6	3.32	49
180970073	2011	2	5	10	V	0.8	5.9	1.67	20
180970073	2011	2	5	11	V	0.2	6.6	3.93	329
180970073	2011	2	5	12	V	0.03	6.6	5.7	338
180970073	2011	2	5	13	V	0.04	6.5	5.68	322
180970073	2011	2	5	14	V	0.02	8.7	7.03	299
180970073	2011	2	5	15	V	0.02	9.7	6.11	289
180970073	2011	2	5	16	V	2.2	7.5	5.96	260
180970073	2011	2	5	17	V	4.5	11.5	5.8	245
180970073	2011	2	5	18	V	4.4	10	6.4	245
180970073	2011	2	5	19	V	7.2	8.9	5.04	240
180970073	2011	2	5	20	V	1.7	8.1	4.73	223
180970073	2011	2	5	21	V	0.2	10.9	5.56	219
180970073	2011	2	5	22	V	5.1	9.2	6.48	225
180970073	2011	2	5	23	V	5.0	14.1	5.56	225
180970073	2011	2	5	24	V	0.03	12.2	4.95	213
180970073	2011	2	6	1	V	0.03	9.5	4.65	201
180970073	2011	2	6	2	V	0.03	7.8	5.77	202
180970073	2011	2	6	3	V	0.02	5.6	6.96	210
180970073	2011	2	6	4	V	0.2	4.6	5.64	219
180970073	2011	2	6	5	V	0.03	4.1	5.34	204
180970073	2011	2	6	6	V	0.03	4.1	5.24	203
180970073	2011	2	6	7	V	0.03	4	4.99	188
180970073	2011	2	6	8	V	0.02	3.6	5.41	187
180970073	2011	2	6	9	V	0.05	3.3	4.58	168
180970073	2011	2	6	10	V	0.1	3.8	3.81	160
180970073	2011	2	6	11	V	0.05	4.4	4.83	166
180970073	2011	2	6	12	V	0.04	4.7	4.9	176
180970073	2011	2	6	13	V	0.06	4.9	4.54	187
180970073	2011	2	6	14	V	0.06	4.6	4.58	195
180970073	2011	2	6	15	V	0.05	4.5	4.37	209
180970073	2011	2	6	16	V	0.03	4.9	3.4	215
180970073	2011	2	6	17	V	3.8	4.5	2.96	245
180970073	2011	2	6	18	V	3.6	4	2.67	245

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	6	19	V	0.3	4.4	2.78	263
180970073	2011	2	6	20	V	13.0	4.7	2.71	251
180970073	2011	2	6	21	V	6.0	6	2.35	239
180970073	2011	2	6	22	V	5.5	7.1	2.95	239
180970073	2011	2	6	23	V	8.6	-999	4.31	249
180970073	2011	2	6	24	V	2.9	8.1	4.27	259
180970073	2011	2	7	1	V	0.4	5.4	2.98	263
180970073	2011	2	7	2	V	0.03	4.6	3.06	270
180970073	2011	2	7	3	V	0.03	4.1	3.2	270
180970073	2011	2	7	4	V	0.03	3.9	3.35	283
180970073	2011	2	7	5	V	0.03	3.6	3.68	302
180970073	2011	2	7	6	V	0.03	3.5	3.13	304
180970073	2011	2	7	7	V	0.03	3.8	5.21	318
180970073	2011	2	7	8	V	0.04	4.1	4.56	322
180970073	2011	2	7	9	V	0.03	4.9	4.92	340
180970073	2011	2	7	10	V	0.04	4.6	5.07	341
180970073	2011	2	7	11	V	0.03	4.6	5.62	338
180970073	2011	2	7	12	V	0.03	4.7	5.99	340
180970073	2011	2	7	13	V	0.04	4.4	5.46	337
180970073	2011	2	7	14	V	0.04	3.9	5.46	330
180970073	2011	2	7	15	V	0.02	3.7	6.77	334
180970073	2011	2	7	16	V	0.04	3.3	6.02	334
180970073	2011	2	7	17	V	0.03	3	5.75	322
180970073	2011	2	7	18	V	0.03	3.5	6.35	319
180970073	2011	2	7	19	V	0.03	4	7.15	312
180970073	2011	2	7	20	V	0.03	4	7.16	315
180970073	2011	2	7	21	V	0.03	4.1	6.46	306
180970073	2011	2	7	22	V	0.03	4.7	6.57	300
180970073	2011	2	7	23	V	0.03	4.1	6.38	302
180970073	2011	2	7	24	V	0.03	3.4	5.96	294
180970073	2011	2	8	1	V	0.03	3.4	8.46	290
180970073	2011	2	8	2	V	0.03	3.3	6.96	281
180970073	2011	2	8	3	V	0.03	3.2	7.46	285
180970073	2011	2	8	4	V	0.03	3.2	9.56	291
180970073	2011	2	8	5	V	0.03	3.1	5.36	280
180970073	2011	2	8	6	V	0.03	3.1	5.36	292
180970073	2011	2	8	7	V	0.04	3.3	3.86	281
180970073	2011	2	8	8	V	0.08	3.5	4.86	275
180970073	2011	2	8	9	V	0.04	3.8	5.96	281
180970073	2011	2	8	10	V	0.02	4	7.46	274
180970073	2011	2	8	11	V	0.09	4.2	7.96	266
180970073	2011	2	8	12	V	0.04	3.7	6.46	283
180970073	2011	2	8	13	V	0.02	3.6	7.96	324
180970073	2011	2	8	14	V	0.09	3.3	4.86	292
180970073	2011	2	8	15	V	0.04	3.2	5.96	302
180970073	2011	2	8	16	V	0.04	3.5	5.96	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	8	17	V	0.03	3.7	5.36	298
180970073	2011	2	8	18	V	0.03	3.9	5.36	309
180970073	2011	2	8	19	V	0.03	3.9	3.36	295
180970073	2011	2	8	20	V	0.05	3.4	2.86	297
180970073	2011	2	8	21	V	0.2	3.2	1.76	313
180970073	2011	2	8	22	V	0.1	3	2.04	301
180970073	2011	2	8	23	V	0.04	3.2	2.79	279
180970073	2011	2	8	24	V	0.04	3.2	2.71	288
180970073	2011	2	9	1	V	0.04	3.4	3.68	303
180970073	2011	2	9	2	V	0.04	3.8	2.76	296
180970073	2011	2	9	3	V	0.06	3.2	2.35	282
180970073	2011	2	9	4	V	0.05	3.1	2.71	268
180970073	2011	2	9	5	V	2.2	5	3.08	243
180970073	2011	2	9	6	V	6.5	9.8	3.93	247
180970073	2011	2	9	7	V	6.5	14.2	4.03	247
180970073	2011	2	9	8	V	7.5	6.5	4.03	248
180970073	2011	2	9	9	V	8.9	23	3.56	247
180970073	2011	2	9	10	V	8.3	24.7	3.98	248
180970073	2011	2	9	11	V	10.7	24.4	3.88	244
180970073	2011	2	9	12	V	10.2	19.6	3.47	247
180970073	2011	2	9	13	V	4.3	5.3	3.81	259
180970073	2011	2	9	14	V	2.0	4.2	4.36	261
180970073	2011	2	9	15	V	2.8	3.8	4.1	259
180970073	2011	2	9	16	V	1.6	4.3	4.19	261
180970073	2011	2	9	17	V	9.0	5.2	4.71	251
180970073	2011	2	9	18	V	5.0	9.4	5.22	242
180970073	2011	2	9	19	V	8.0	8.4	4.83	249
180970073	2011	2	9	20	V	0.9	5.2	4.87	262
180970073	2011	2	9	21	V	0.03	5.6	4.51	276
180970073	2011	2	9	22	V	0.03	6.6	4.31	287
180970073	2011	2	9	23	V	0.03	7.5	3.71	279
180970073	2011	2	9	24	V	0.8	6.5	3.49	260
180970073	2011	2	10	1	V	0.03	6.1	3.39	279
180970073	2011	2	10	2	V	0.03	5.2	3.59	286
180970073	2011	2	10	3	V	0.04	4.6	3.18	293
180970073	2011	2	10	4	V	0.05	4.9	3.08	274
180970073	2011	2	10	5	V	0.05	4.7	2.95	270
180970073	2011	2	10	6	V	0.06	4.3	2.69	273
180970073	2011	2	10	7	V	0.2	4.7	2.62	263
180970073	2011	2	10	8	V	2.7	4.5	2.32	265
180970073	2011	2	10	9	V	13.7	5.2	1.99	252
180970073	2011	2	10	10	V	2.7	7.8	2.9	214
180970073	2011	2	10	11	V	5.5	23.9	2.49	215
180970073	2011	2	10	12	V	16.6	59.5	1.69	251
180970073	2011	2	10	13	V	3.1	35.8	1.99	212
180970073	2011	2	10	14	V	6.0	26.8	4.58	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	10	15	V	7.5	37.8	5.05	240
180970073	2011	2	10	16	V	21.3	26.8	5.82	230
180970073	2011	2	10	17	V	21.9	13.5	5.67	230
180970073	2011	2	10	18	V	0.03	10.3	5.62	210
180970073	2011	2	10	19	V	0.04	6	4.7	207
180970073	2011	2	10	20	V	0.04	5.5	4.46	206
180970073	2011	2	10	21	V	0.04	4.6	5.68	203
180970073	2011	2	10	22	V	0.03	7.1	6.06	214
180970073	2011	2	10	23	V	0.04	7.7	5.87	215
180970073	2011	2	10	24	V	0.2	7.4	5.44	219
180970073	2011	2	11	1	V	0.2	11.2	5.43	220
180970073	2011	2	11	2	V	0.3	14.7	5.29	220
180970073	2011	2	11	3	V	14.9	19.3	5.43	228
180970073	2011	2	11	4	V	21.7	26.4	5.58	230
180970073	2011	2	11	5	V	14.5	27.2	5.63	228
180970073	2011	2	11	6	V	18.7	22	4.27	229
180970073	2011	2	11	7	V	6.0	24.3	4.53	225
180970073	2011	2	11	8	V	0.4	24	3.52	213
180970073	2011	2	11	9	V	0.5	23.5	2.76	194
180970073	2011	2	11	10	V	0.2	16.4	4.17	198
180970073	2011	2	11	11	V	0.2	13.5	4.17	187
180970073	2011	2	11	12	V	0.1	8.3	4.59	184
180970073	2011	2	11	13	V	0.1	6.6	4.37	203
180970073	2011	2	11	14	V	14.1	6.8	5	238
180970073	2011	2	11	15	V	3.4	11.3	6.92	239
180970073	2011	2	11	16	V	8.6	12.6	6.52	226
180970073	2011	2	11	17	V	2.5	15.1	6.77	223
180970073	2011	2	11	18	V	0.1	15.7	6.11	218
180970073	2011	2	11	19	V	0.04	11.1	6.19	215
180970073	2011	2	11	20	V	0.08	15.4	6.81	217
180970073	2011	2	11	21	V	1.7	10.6	7.01	222
180970073	2011	2	11	22	V	0.9	17.8	6.23	221
180970073	2011	2	11	23	V	1.5	24.4	6.92	222
180970073	2011	2	11	24	V	12.1	18.8	7.42	229
180970073	2011	2	12	1	V	12.3	13.7	7.25	229
180970073	2011	2	12	2	V	7.5	11.3	8.13	239
180970073	2011	2	12	3	V	4.7	19.8	7.52	246
180970073	2011	2	12	4	V	6.8	20.4	7.13	250
180970073	2011	2	12	5	V	7.9	7.7	5.68	251
180970073	2011	2	12	6	V	4.6	5.6	5.38	257
180970073	2011	2	12	7	V	0.9	5.3	6.23	263
180970073	2011	2	12	8	V	2.5	4.9	5.55	257
180970073	2011	2	12	9	V	4.3	4.9	5.39	247
180970073	2011	2	12	10	V	1.7	4.9	6.16	258
180970073	2011	2	12	11	V	0.04	4.6	6.06	271
180970073	2011	2	12	12	V	0.2	4.4	5.48	267

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	12	13	V	3.8	4.3	4.71	247
180970073	2011	2	12	14	V	3.6	7.4	5.77	242
180970073	2011	2	12	15	V	2.5	4.8	6.35	239
180970073	2011	2	12	16	V	12.1	6.7	6.58	238
180970073	2011	2	12	17	V	17.5	11.7	5.29	237
180970073	2011	2	12	18	V	14.7	14.2	4.82	228
180970073	2011	2	12	19	V	0.04	13.3	3.37	200
180970073	2011	2	12	20	V	0.04	6	4.37	193
180970073	2011	2	12	21	V	0.04	4.5	5.63	183
180970073	2011	2	12	22	V	0.04	4.6	5.75	198
180970073	2011	2	12	23	V	0.03	4.6	7.83	200
180970073	2011	2	12	24	V	0.04	5.5	6.53	203
180970073	2011	2	13	1	V	0.03	5.7	6.6	212
180970073	2011	2	13	2	V	2.2	6.2	6.62	223
180970073	2011	2	13	3	V	18.8	7.8	7.69	231
180970073	2011	2	13	4	V	21.6	8.8	6.74	234
180970073	2011	2	13	5	V	22.2	8.6	6.23	235
180970073	2011	2	13	6	V	18.4	9.3	5.67	236
180970073	2011	2	13	7	V	13.0	12.7	6.58	228
180970073	2011	2	13	8	V	3.8	15	6.84	226
180970073	2011	2	13	9	V	6.1	14.4	6.99	228
180970073	2011	2	13	10	V	4.8	11.8	7.72	228
180970073	2011	2	13	11	V	2.0	12.8	7.03	224
180970073	2011	2	13	12	V	6.8	16.3	7.45	230
180970073	2011	2	13	13	V	4.4	14.1	7.91	228
180970073	2011	2	13	14	V	4.3	11.5	5.51	225
180970073	2011	2	13	15	V	0.3	6.1	5.44	218
180970073	2011	2	13	16	V	0.05	5.3	5.07	214
180970073	2011	2	13	17	V	7.4	5.4	5.58	227
180970073	2011	2	13	18	V	0.02	6.8	5.53	212
180970073	2011	2	13	19	V	0.02	6.5	7.2	206
180970073	2011	2	13	20	V	0.03	4.9	7.43	206
180970073	2011	2	13	21	V	0.02	4.7	8.28	205
180970073	2011	2	13	22	V	0.02	4.7	8.74	214
180970073	2011	2	13	23	V	3.9	-999	10.43	225
180970073	2011	2	13	24	V	14.8	9.3	11.34	231
180970073	2011	2	14	1	V	15.2	26.3	9.58	233
180970073	2011	2	14	2	V	6.6	8.7	9.51	239
180970073	2011	2	14	3	V	3.3	5.1	9.27	243
180970073	2011	2	14	4	V	4.2	5.3	8.35	246
180970073	2011	2	14	5	V	6.5	10.7	8.08	253
180970073	2011	2	14	6	V	1.2	4.1	8.11	261
180970073	2011	2	14	7	V	0.1	4	9.17	268
180970073	2011	2	14	8	V	0.01	3.6	9.97	281
180970073	2011	2	14	9	V	0.01	3.2	8.78	278
180970073	2011	2	14	10	V	0.01	3.1	8.91	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	14	11	V	0.01	3	8.22	285
180970073	2011	2	14	12	V	0.01	2.9	8.83	290
180970073	2011	2	14	13	V	0.01	3	8.78	293
180970073	2011	2	14	14	V	0.01	3	8.01	303
180970073	2011	2	14	15	V	0.01	3.2	8.16	306
180970073	2011	2	14	16	V	0.04	3.3	7.5	314
180970073	2011	2	14	17	V	0.03	3.5	6.41	320
180970073	2011	2	14	18	V	0.04	3.7	4.83	331
180970073	2011	2	14	19	V	0.04	3.5	3.01	327
180970073	2011	2	14	20	V	0.1	3.1	1.91	314
180970073	2011	2	14	21	V	0.2	3.7	1.84	300
180970073	2011	2	14	22	V	0.1	3.4	2.13	329
180970073	2011	2	14	23	V	0.1	3.4	2.08	307
180970073	2011	2	14	24	V	0.05	2.8	2.59	338
180970073	2011	2	15	1	V	0.05	3.1	2.66	354
180970073	2011	2	15	2	V	0.1	2.9	2.01	26
180970073	2011	2	15	3	V	0.03	3.1	3.32	48
180970073	2011	2	15	4	V	0.03	3	4.37	55
180970073	2011	2	15	5	V	0.03	3.3	3.4	78
180970073	2011	2	15	6	V	0.03	3.1	4.27	83
180970073	2011	2	15	7	V	0.05	3	3.56	102
180970073	2011	2	15	8	V	0.2	2.8	3.32	114
180970073	2011	2	15	9	V	0.1	3.1	4.46	106
180970073	2011	2	15	10	V	0.06	3.4	5.34	126
180970073	2011	2	15	11	V	0.09	3.7	4.78	137
180970073	2011	2	15	12	V	0.03	3.6	5.94	135
180970073	2011	2	15	13	V	0.03	5.2	5.79	136
180970073	2011	2	15	14	V	0.06	8	4.54	147
180970073	2011	2	15	15	V	0.04	6.2	4.7	129
180970073	2011	2	15	16	V	0.05	6.1	4.87	130
180970073	2011	2	15	17	V	0.03	5.8	6.28	131
180970073	2011	2	15	18	V	0.03	4.9	5.33	131
180970073	2011	2	15	19	V	0.03	5.1	5.39	127
180970073	2011	2	15	20	V	0.04	4.1	5.33	126
180970073	2011	2	15	21	V	0.04	3.6	5.17	140
180970073	2011	2	15	22	V	0.04	4	4.32	153
180970073	2011	2	15	23	V	0.04	4.6	3.81	149
180970073	2011	2	15	24	V	0.04	5	4.58	152
180970073	2011	2	16	1	V	0.03	4.8	3.97	167
180970073	2011	2	16	2	V	0.04	4.5	3.23	163
180970073	2011	2	16	3	V	0.04	4.1	2.71	155
180970073	2011	2	16	4	V	0.04	3.8	2.54	152
180970073	2011	2	16	5	V	0.04	3.7	3.2	150
180970073	2011	2	16	6	V	0.03	4	3.13	139
180970073	2011	2	16	7	V	0.05	4.2	2.45	142
180970073	2011	2	16	8	V	0.3	4.3	2.52	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	16	9	V	0.3	4.5	2.64	145
180970073	2011	2	16	10	V	0.5	5.1	2.56	142
180970073	2011	2	16	11	V	0.2	5.5	3.98	182
180970073	2011	2	16	12	V	0.1	6.1	4.49	196
180970073	2011	2	16	13	V	0.07	6.7	5.26	209
180970073	2011	2	16	14	V	19.1	6.7	3.42	227
180970073	2011	2	16	15	V	0.05	6.4	4.87	200
180970073	2011	2	16	16	V	0.05	6.1	5.9	209
180970073	2011	2	16	17	V	0.03	5.1	5.8	211
180970073	2011	2	16	18	V	0.04	5.1	3	209
180970073	2011	2	16	19	V	0.04	4.8	3.1	188
180970073	2011	2	16	20	V	0.04	4.3	3.88	164
180970073	2011	2	16	21	V	0.04	4.2	4.46	159
180970073	2011	2	16	22	V	0.04	4.5	4.71	165
180970073	2011	2	16	23	V	0.03	4.2	5.43	168
180970073	2011	2	16	24	V	0.03	3.9	5.67	173
180970073	2011	2	17	1	V	0.03	3.5	4.87	158
180970073	2011	2	17	2	V	0.02	3.5	5.87	165
180970073	2011	2	17	3	V	0.02	3.9	6.4	171
180970073	2011	2	17	4	V	0.03	3.9	6.06	177
180970073	2011	2	17	5	V	0.02	3.5	6.64	180
180970073	2011	2	17	6	V	0.03	3.4	5.33	171
180970073	2011	2	17	7	V	0.04	3.5	5.05	166
180970073	2011	2	17	8	V	0.03	4	5.56	166
180970073	2011	2	17	9	V	0.03	4.2	6.02	163
180970073	2011	2	17	10	V	0.02	4.3	6.99	173
180970073	2011	2	17	11	V	0.01	4.8	9.22	186
180970073	2011	2	17	12	V	0.01	4.8	9.76	186
180970073	2011	2	17	13	V	0.01	4.7	11.72	196
180970073	2011	2	17	14	V	0.005	4.5	12.01	197
180970073	2011	2	17	15	V	0.01	4.1	11.31	196
180970073	2011	2	17	16	V	0.03	3.7	11.38	201
180970073	2011	2	17	17	V	0.02	3.4	11.17	197
180970073	2011	2	17	18	V	0.02	3.7	9.54	201
180970073	2011	2	17	19	V	0.03	3.5	9.17	203
180970073	2011	2	17	20	V	0.03	3.4	9.73	204
180970073	2011	2	17	21	V	0.03	3.2	11	208
180970073	2011	2	17	22	V	0.03	3.1	11.97	213
180970073	2011	2	17	23	V	0.2	3.5	11.8	218
180970073	2011	2	17	24	V	1.7	5.1	10.97	223
180970073	2011	2	18	1	V	2.3	4.7	10.29	224
180970073	2011	2	18	2	V	3.2	3.9	10.19	225
180970073	2011	2	18	3	V	11.4	6.8	8.18	234
180970073	2011	2	18	4	V	4.7	4.2	7.43	246
180970073	2011	2	18	5	V	0.02	4.1	7.25	277
180970073	2011	2	18	6	V	0.02	3.2	5.72	292

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	18	7	V	0.04	2.6	4.54	282
180970073	2011	2	18	8	V	0.2	2.4	3.71	276
180970073	2011	2	18	9	V	0.5	2.6	3.73	271
180970073	2011	2	18	10	V	0.05	2.9	5.41	285
180970073	2011	2	18	11	V	0.05	2.9	5.58	280
180970073	2011	2	18	12	V	0.01	3	7.83	287
180970073	2011	2	18	13	V	0.01	3	9.12	296
180970073	2011	2	18	14	V	0.01	2.9	8.74	294
180970073	2011	2	18	15	V	0.01	2.6	8.27	295
180970073	2011	2	18	16	V	0.03	2.5	7.69	292
180970073	2011	2	18	17	V	0.02	2.5	8.47	292
180970073	2011	2	18	18	V	0.02	2.6	7.64	292
180970073	2011	2	18	19	V	0.03	2.5	6.12	299
180970073	2011	2	18	20	V	0.03	2.5	5.12	302
180970073	2011	2	18	21	V	0.03	2.5	4.63	299
180970073	2011	2	18	22	V	0.03	2.6	4.26	299
180970073	2011	2	18	23	V	0.03	2.7	3.81	289
180970073	2011	2	18	24	V	0.02	2.7	3.32	277
180970073	2011	2	19	1	V	0.05	2.7	3.32	266
180970073	2011	2	19	2	V	0.01	2.8	4.53	300
180970073	2011	2	19	3	V	0.01	2.9	4.07	301
180970073	2011	2	19	4	V	0.01	2.9	3.34	275
180970073	2011	2	19	5	V	0.01	2.8	3.66	276
180970073	2011	2	19	6	V	0.01	2.6	3.73	283
180970073	2011	2	19	7	V	0.02	2.7	3.25	305
180970073	2011	2	19	8	V	0.04	2.7	3.68	331
180970073	2011	2	19	9	V	0.07	3.5	3.29	329
180970073	2011	2	19	10	V	0.06	3.8	3.32	342
180970073	2011	2	19	11	V	0.1	3.4	2.67	356
180970073	2011	2	19	12	V	0.2	3.2	1.96	35
180970073	2011	2	19	13	V	0.3	3.2	2.01	23
180970073	2011	2	19	14	V	0.1	3	2.47	354
180970073	2011	2	19	15	V	0.05	3	2.66	3
180970073	2011	2	19	16	V	0.04	3	2.47	40
180970073	2011	2	19	17	V	0.01	2.9	3.59	52
180970073	2011	2	19	18	V	0.01	2.9	3.73	44
180970073	2011	2	19	19	V	0.01	2.9	3.41	57
180970073	2011	2	19	20	V	0.01	2.9	3.54	49
180970073	2011	2	19	21	V	0.01	3	3.44	53
180970073	2011	2	19	22	V	0.01	2.9	3.29	50
180970073	2011	2	19	23	V	0.01	2.9	3.19	63
180970073	2011	2	19	24	V	0.01	2.8	4.07	77
180970073	2011	2	20	1	V	0.01	2.8	3.42	85
180970073	2011	2	20	2	V	0.01	2.8	4.02	97
180970073	2011	2	20	3	V	0.01	2.7	4.27	108
180970073	2011	2	20	4	V	0.01	2.9	5.11	109

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	20	5	V	0.01	3.2	4.83	115
180970073	2011	2	20	6	V	0.01	3.2	4.54	119
180970073	2011	2	20	7	V	0.02	2.9	3.18	91
180970073	2011	2	20	8	V	0.02	3.9	4.27	102
180970073	2011	2	20	9	V	0.01	6.4	5.67	102
180970073	2011	2	20	10	V	0.01	7.7	6.16	117
180970073	2011	2	20	11	V	0.004	12.3	7.33	131
180970073	2011	2	20	12	V	0.01	14.2	6.92	134
180970073	2011	2	20	13	V	0.003	14.4	8.2	136
180970073	2011	2	20	14	V	0.004	10.7	7.74	146
180970073	2011	2	20	15	V	0.004	9.2	7.28	150
180970073	2011	2	20	16	V	0.01	9.2	6.99	145
180970073	2011	2	20	17	V	0.01	7	5.34	150
180970073	2011	2	20	18	V	0.01	4.9	4.48	145
180970073	2011	2	20	19	V	0.01	4.2	3.91	134
180970073	2011	2	20	20	V	0.01	4	4.46	144
180970073	2011	2	20	21	V	0.01	3.7	4.76	152
180970073	2011	2	20	22	V	0.01	3.5	3.8	154
180970073	2011	2	20	23	V	0.01	-999	3.86	169
180970073	2011	2	20	24	V	0.01	4.4	5.63	195
180970073	2011	2	21	1	V	0.7	4.1	9.37	232
180970073	2011	2	21	2	V	0.8	3.6	7.91	232
180970073	2011	2	21	3	V	1.0	3.4	6.16	230
180970073	2011	2	21	4	V	1.4	3.3	4.9	233
180970073	2011	2	21	5	V	8.4	3.8	5.41	251
180970073	2011	2	21	6	V	0.01	3.7	6.09	282
180970073	2011	2	21	7	V	0.04	2.9	2.74	270
180970073	2011	2	21	8	V	0.06	2.8	2.98	192
180970073	2011	2	21	9	V	0.4	2.5	2.45	214
180970073	2011	2	21	10	V	0.003	2.3	8.27	33
180970073	2011	2	21	11	V	0.01	2.2	6.09	52
180970073	2011	2	21	12	V	0.01	2.4	5.55	58
180970073	2011	2	21	13	V	0.01	2.5	5.7	52
180970073	2011	2	21	14	V	0.01	2.4	6.87	47
180970073	2011	2	21	15	V	0.004	2.4	7.06	36
180970073	2011	2	21	16	V	0.01	2.4	7.26	18
180970073	2011	2	21	17	V	0.01	2.4	6.74	20
180970073	2011	2	21	18	V	0.01	2.3	6.99	43
180970073	2011	2	21	19	V	0.01	2.3	5.22	32
180970073	2011	2	21	20	V	0.01	2.3	5.38	12
180970073	2011	2	21	21	V	0.01	2.4	4.95	35
180970073	2011	2	21	22	V	0.01	2.4	4.51	41
180970073	2011	2	21	23	V	0.02	2.3	2.67	35
180970073	2011	2	21	24	V	0.02	2.3	3.44	2
180970073	2011	2	22	1	V	0.02	2.3	4.39	39
180970073	2011	2	22	2	V	0.02	2.4	4.26	48

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	22	3	V	0.02	2.5	4	74
180970073	2011	2	22	4	V	0.02	2.5	3.42	80
180970073	2011	2	22	5	V	0.02	2.5	2.64	44
180970073	2011	2	22	6	V	0.08	2.5	1.61	60
180970073	2011	2	22	7	V	0.3	2.5	1.14	84
180970073	2011	2	22	8	V	0.2	2.5	1.28	18
180970073	2011	2	22	9	V	0.1	2.5	1.86	16
180970073	2011	2	22	10	V	0.08	2.6	2.64	16
180970073	2011	2	22	11	V	0.1	2.8	2.23	11
180970073	2011	2	22	12	V	0.2	2.7	2.11	334
180970073	2011	2	22	13	V	0.06	2.8	3.32	318
180970073	2011	2	22	14	V	0.04	2.9	3.68	326
180970073	2011	2	22	15	V	0.02	2.7	4.09	335
180970073	2011	2	22	16	V	0.05	2.8	3.81	327
180970073	2011	2	22	17	V	0.04	2.8	3.73	345
180970073	2011	2	22	18	V	0.04	2.9	3.63	355
180970073	2011	2	22	19	V	0.04	2.9	3.97	4
180970073	2011	2	22	20	V	0.04	2.9	4.2	18
180970073	2011	2	22	21	V	0.04	2.9	3.83	25
180970073	2011	2	22	22	V	0.04	3	3.49	27
180970073	2011	2	22	23	V	0.04	3	2.91	35
180970073	2011	2	22	24	V	0.05	2.9	2.3	49
180970073	2011	2	23	1	V	0.05	2.7	2.52	40
180970073	2011	2	23	2	V	0.1	2.7	1.81	60
180970073	2011	2	23	3	V	0.08	2.9	2.16	103
180970073	2011	2	23	4	V	0.04	3	2.35	117
180970073	2011	2	23	5	V	0.03	3.1	3.17	121
180970073	2011	2	23	6	V	0.03	3.4	2.64	114
180970073	2011	2	23	7	V	0.04	7	2.45	93
180970073	2011	2	23	8	V	0.2	4.3	2.3	111
180970073	2011	2	23	9	V	0.2	3.6	2.71	120
180970073	2011	2	23	10	V	0.1	3.3	3.29	121
180970073	2011	2	23	11	V	0.1	3.2	2.9	115
180970073	2011	2	23	12	V	0.04	3.1	3.95	130
180970073	2011	2	23	13	V	0.04	3.2	3.59	139
180970073	2011	2	23	14	V	0.03	3	4.17	125
180970073	2011	2	23	15	V	0.03	5.4	4.46	130
180970073	2011	2	23	16	V	0.01	7.3	5.36	129
180970073	2011	2	23	17	V	0.02	4.7	5.46	139
180970073	2011	2	23	18	V	0.03	9.2	5.36	138
180970073	2011	2	23	19	V	0.03	14.6	4.41	128
180970073	2011	2	23	20	V	0.02	7.8	4.07	117
180970073	2011	2	23	21	V	0.03	5.9	3.76	113
180970073	2011	2	23	22	V	0.02	4.6	4.51	125
180970073	2011	2	23	23	V	0.03	4.4	3.27	75
180970073	2011	2	23	24	V	0.03	3.9	4.97	137

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	24	1	V	0.03	3.5	3.12	167
180970073	2011	2	24	2	V	0.02	2.9	3.34	161
180970073	2011	2	24	3	V	0.02	2.9	2.5	187
180970073	2011	2	24	4	V	0.03	2.9	2.57	174
180970073	2011	2	24	5	V	0.08	2.9	1.67	211
180970073	2011	2	24	6	V	0.4	2.9	0.94	41
180970073	2011	2	24	7	V	0.05	3.3	1.89	356
180970073	2011	2	24	8	V	0.1	3.7	3.59	347
180970073	2011	2	24	9	V	0.09	3.4	3.07	354
180970073	2011	2	24	10	V	0.05	3.9	4.14	8
180970073	2011	2	24	11	V	0.02	4.5	5.29	20
180970073	2011	2	24	12	V	0.03	4.5	4.44	35
180970073	2011	2	24	13	V	0.02	4.4	5.19	37
180970073	2011	2	24	14	V	0.02	4.4	4.92	35
180970073	2011	2	24	15	V	0.01	4.6	5.75	34
180970073	2011	2	24	16	V	0.03	4.5	5.75	41
180970073	2011	2	24	17	V	0.03	4.2	4.82	41
180970073	2011	2	24	18	V	0.03	4.5	6.12	45
180970073	2011	2	24	19	V	0.03	4.2	7.67	34
180970073	2011	2	24	20	V	0.03	3.9	7.86	37
180970073	2011	2	24	21	V	0.03	3.5	6.99	47
180970073	2011	2	24	22	V	0.03	3.4	7.6	57
180970073	2011	2	24	23	V	0.03	3.2	7.98	61
180970073	2011	2	24	24	V	0.03	3.4	9.78	52
180970073	2011	2	25	1	V	0.03	3.2	10.22	38
180970073	2011	2	25	2	V	0.02	3.2	9.17	44
180970073	2011	2	25	3	V	0.02	3.4	9.73	30
180970073	2011	2	25	4	V	0.03	3.6	10.43	13
180970073	2011	2	25	5	V	0.03	3.3	9.02	7
180970073	2011	2	25	6	V	0.03	3.5	9.09	356
180970073	2011	2	25	7	V	0.03	2.9	8.87	4
180970073	2011	2	25	8	V	0.02	2.7	7.05	352
180970073	2011	2	25	9	V	0.02	2.6	6.34	345
180970073	2011	2	25	10	V	0.02	2.9	6.53	333
180970073	2011	2	25	11	V	0.02	2.9	6.86	332
180970073	2011	2	25	12	V	0.02	2.7	6.3	8
180970073	2011	2	25	13	V	0.04	2.7	5.41	330
180970073	2011	2	25	14	V	0.03	2.6	4.68	322
180970073	2011	2	25	15	V	0.03	2.6	4.41	323
180970073	2011	2	25	16	V	0.02	2.5	3.57	319
180970073	2011	2	25	17	V	0.04	2.6	3.68	320
180970073	2011	2	25	18	V	0.04	2.6	4.22	315
180970073	2011	2	25	19	V	0.04	2.5	2.95	309
180970073	2011	2	25	20	V	0.3	2.6	1.28	303
180970073	2011	2	25	21	V	0.5	2.6	1.11	339
180970073	2011	2	25	22	V	0.4	2.6	2.57	222

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	25	23	V	0.4	2.7	1.13	202
180970073	2011	2	25	24	V	0.6	2.6	1.09	207
180970073	2011	2	26	1	V	0.4	2.8	1.23	293
180970073	2011	2	26	2	V	0.4	2.6	1.21	40
180970073	2011	2	26	3	V	0.4	2.5	1.25	17
180970073	2011	2	26	4	V	0.1	2.5	1.72	4
180970073	2011	2	26	5	V	0.1	2.8	1.99	37
180970073	2011	2	26	6	V	0.06	2.7	2.28	53
180970073	2011	2	26	7	V	0.06	2.5	2.44	96
180970073	2011	2	26	8	V	0.2	2.7	2.74	114
180970073	2011	2	26	9	V	0.2	2.6	3.51	136
180970073	2011	2	26	10	V	0.3	2.7	3.01	161
180970073	2011	2	26	11	V	0.2	3.5	3.05	166
180970073	2011	2	26	12	V	0.2	5.5	3.01	156
180970073	2011	2	26	13	V	0.2	3.6	2.64	178
180970073	2011	2	26	14	V	0.07	3.7	3.97	197
180970073	2011	2	26	15	V	0.03	3.9	4.83	191
180970073	2011	2	26	16	V	0.05	3.8	4.37	194
180970073	2011	2	26	17	V	0.04	3.7	3.59	186
180970073	2011	2	26	18	V	0.04	4	3.51	187
180970073	2011	2	26	19	V	0.04	3.7	3.2	178
180970073	2011	2	26	20	V	0.05	3.3	2.57	170
180970073	2011	2	26	21	V	0.08	3.1	2.06	147
180970073	2011	2	26	22	V	0.05	3.1	2.4	153
180970073	2011	2	26	23	V	0.04	2.9	2.76	141
180970073	2011	2	26	24	V	0.07	2.8	2.16	126
180970073	2011	2	27	1	V	0.05	2.9	2.38	142
180970073	2011	2	27	2	V	0.06	2.8	2.15	152
180970073	2011	2	27	3	V	0.05	2.6	2.54	145
180970073	2011	2	27	4	V	0.1	2.7	1.76	159
180970073	2011	2	27	5	V	0.2	2.7	1.43	129
180970073	2011	2	27	6	V	0.1	2.7	1.71	112
180970073	2011	2	27	7	V	0.1	2.7	1.67	119
180970073	2011	2	27	8	V	0.3	2.7	2.45	121
180970073	2011	2	27	9	V	0.2	2.9	3.03	134
180970073	2011	2	27	10	V	0.2	3.8	3.49	164
180970073	2011	2	27	11	V	0.9	4.1	1.69	165
180970073	2011	2	27	12	V	0.2	4.7	3.39	153
180970073	2011	2	27	13	V	0.03	5	5.43	179
180970073	2011	2	27	14	V	0.03	4.4	5.63	195
180970073	2011	2	27	15	V	0.02	4.1	5.89	165
180970073	2011	2	27	16	V	0.04	3.9	6.57	169
180970073	2011	2	27	17	V	0.04	4.1	6.02	152
180970073	2011	2	27	18	V	0.04	4.7	4.65	152
180970073	2011	2	27	19	V	0.04	5	4.82	155
180970073	2011	2	27	20	V	0.04	4.5	5.41	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	2	27	21	V	0.04	3.6	4.34	147
180970073	2011	2	27	22	V	0.04	3.1	5.43	170
180970073	2011	2	27	23	V	0.04	-999	4.8	175
180970073	2011	2	27	24	V	0.04	2.7	4.93	168
180970073	2011	2	28	1	V	0.02	2.7	10.36	211
180970073	2011	2	28	2	V	0.07	2.9	11.58	216
180970073	2011	2	28	3	V	0.2	3.5	10.83	266
180970073	2011	2	28	4	V	0.03	2.6	8.4	312
180970073	2011	2	28	5	V	0.03	2.2	10.34	334
180970073	2011	2	28	6	V	0.03	2.1	5.09	9
180970073	2011	2	28	7	V	0.05	2.1	4.34	346
180970073	2011	2	28	8	V	0.01	2.2	7.14	333
180970073	2011	2	28	9	V	0.01	2.2	8.22	342
180970073	2011	2	28	10	V	0.01	2.4	8.91	348
180970073	2011	2	28	11	V	0.01	2.2	7.38	345
180970073	2011	2	28	12	V	0.01	2.4	8.2	344
180970073	2011	2	28	13	V	0.01	2.7	8.45	343
180970073	2011	2	28	14	V	0.01	2.5	8.78	342
180970073	2011	2	28	15	V	0.01	2.6	8.42	340
180970073	2011	2	28	16	V	0.01	2.5	8.2	339
180970073	2011	2	28	17	V	0.03	2.3	7.96	349
180970073	2011	2	28	18	V	0.03	2.4	8.32	347
180970073	2011	2	28	19	V	0.03	2.2	5.89	350
180970073	2011	2	28	20	V	0.03	2.2	5.34	344
180970073	2011	2	28	21	V	0.03	2.4	4.73	358
180970073	2011	2	28	22	V	0.03	2.3	4.53	354
180970073	2011	2	28	23	V	0.04	2.1	2.83	350
180970073	2011	2	28	24	V	0.08	2.1	2.06	359
180970073	2011	3	1	1	V	0.09	2.3	1.82	346
180970073	2011	3	1	2	V	0.04	2.3	2.47	344
180970073	2011	3	1	3	V	0.03	2.1	3.01	343
180970073	2011	3	1	4	V	0.04	2.1	2.47	21
180970073	2011	3	1	5	V	0.07	2.2	1.99	45
180970073	2011	3	1	6	V	0.04	2.3	2.62	80
180970073	2011	3	1	7	V	0.2	2.2	2.16	94
180970073	2011	3	1	8	V	1.4	2.3	1.3	87
180970073	2011	3	1	9	V	1.5	2.3	1.53	115
180970073	2011	3	1	10	V	0.2	2.7	3.29	138
180970073	2011	3	1	11	V	0.04	3.1	5.36	166
180970073	2011	3	1	12	V	0.07	4.6	4.76	192
180970073	2011	3	1	13	V	0.08	6	3.95	189
180970073	2011	3	1	14	V	0.06	6.8	4.51	194
180970073	2011	3	1	15	V	0.05	6.1	4.31	202
180970073	2011	3	1	16	V	0.03	10.2	4.05	213
180970073	2011	3	1	17	V	0.03	8.6	3.8	210
180970073	2011	3	1	18	V	0.03	5.4	4.61	198

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	1	19	V	0.02	5.1	3.24	203
180970073	2011	3	1	20	V	12.8	4.5	3.12	236
180970073	2011	3	1	21	V	0.02	3.8	3.35	205
180970073	2011	3	1	22	V	6.1	3.8	3.58	228
180970073	2011	3	1	23	V	12.2	3.8	3.27	252
180970073	2011	3	1	24	V	1.3	4.1	3.29	241
180970073	2011	3	2	1	V	14.3	3.8	3	237
180970073	2011	3	2	2	V	1.2	3.5	2.76	241
180970073	2011	3	2	3	V	2.2	3.6	2.84	245
180970073	2011	3	2	4	V	0.6	3.9	3.4	242
180970073	2011	3	2	5	V	11.4	4.4	3.3	250
180970073	2011	3	2	6	V	7.5	4.4	3.23	248
180970073	2011	3	2	7	V	0.1	4.2	2.44	293
180970073	2011	3	2	8	V	0.2	3.4	2.81	341
180970073	2011	3	2	9	V	0.07	4.7	4.37	1
180970073	2011	3	2	10	V	0.02	4.2	5.92	13
180970073	2011	3	2	11	V	0.03	3.4	5.04	17
180970073	2011	3	2	12	V	0.05	3	4.48	7
180970073	2011	3	2	13	V	0.06	2.8	4.34	7
180970073	2011	3	2	14	V	0.04	2.8	4.6	1
180970073	2011	3	2	15	V	0.03	2.6	4.87	11
180970073	2011	3	2	16	V	0.03	2.7	4.07	11
180970073	2011	3	2	17	V	0.02	2.7	4.41	25
180970073	2011	3	2	18	V	0.02	2.6	4.66	41
180970073	2011	3	2	19	V	0.02	2.5	5.14	30
180970073	2011	3	2	20	V	0.02	2.7	4.32	39
180970073	2011	3	2	21	V	0.02	2.6	4.32	35
180970073	2011	3	2	22	V	0.02	2.7	5.34	41
180970073	2011	3	2	23	V	0.03	3.3	4.53	62
180970073	2011	3	2	24	V	0.03	2.7	4.05	80
180970073	2011	3	3	1	V	0.02	2.6	4.24	82
180970073	2011	3	3	2	V	0.03	2.4	5.09	77
180970073	2011	3	3	3	V	0.03	2.5	4.93	78
180970073	2011	3	3	4	V	0.02	2.6	4.77	86
180970073	2011	3	3	5	V	0.02	2.6	4.92	89
180970073	2011	3	3	6	V	0.02	2.6	4.39	93
180970073	2011	3	3	7	V	0.04	2.7	4.87	98
180970073	2011	3	3	8	V	0.05	2.9	5.16	107
180970073	2011	3	3	9	V	0.02	3	6.69	110
180970073	2011	3	3	10	V	0.02	3.3	6.97	104
180970073	2011	3	3	11	V	0.01	3.6	7.42	103
180970073	2011	3	3	12	V	0.02	3.7	7.31	108
180970073	2011	3	3	13	V	0.01	3.8	7.37	108
180970073	2011	3	3	14	V	0.02	4.1	7.26	109
180970073	2011	3	3	15	V	0.01	4.1	7.69	110
180970073	2011	3	3	16	V	0.05	4.5	6.92	110

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	3	17	V	0.03	5.6	6.63	118
180970073	2011	3	3	18	V	0.04	6.1	6.04	112
180970073	2011	3	3	19	V	0.04	5.9	5.16	105
180970073	2011	3	3	20	V	0.04	6.2	5.11	96
180970073	2011	3	3	21	V	0.04	7.1	4.88	101
180970073	2011	3	3	22	V	0.04	7.4	4.44	102
180970073	2011	3	3	23	V	0.04	6.7	4.87	107
180970073	2011	3	3	24	V	0.04	8.4	4.36	105
180970073	2011	3	4	1	V	0.04	9.2	4.2	120
180970073	2011	3	4	2	V	0.03	9.6	2.74	113
180970073	2011	3	4	3	V	0.03	8.4	3.01	125
180970073	2011	3	4	4	V	0.03	6.7	3.41	129
180970073	2011	3	4	5	V	0.03	5.4	4.85	150
180970073	2011	3	4	6	V	0.02	4.3	8.32	184
180970073	2011	3	4	7	V	0.03	3.7	9.2	187
180970073	2011	3	4	8	V	0.01	3	6.77	160
180970073	2011	3	4	9	V	0.05	2.8	4.87	147
180970073	2011	3	4	10	V	0.02	2.8	6.09	154
180970073	2011	3	4	11	V	0.05	2.6	5.09	136
180970073	2011	3	4	12	V	0.08	2.9	4.41	157
180970073	2011	3	4	13	V	0.03	3.1	6.19	179
180970073	2011	3	4	14	V	0.01	3.6	8.1	199
180970073	2011	3	4	15	V	0.02	3.2	6.38	196
180970073	2011	3	4	16	V	0.06	2.7	5.16	177
180970073	2011	3	4	17	V	0.04	2.4	4.37	156
180970073	2011	3	4	18	V	0.04	2.4	5.14	157
180970073	2011	3	4	19	V	0.04	2.4	4.65	158
180970073	2011	3	4	20	V	0.04	2.5	5.45	166
180970073	2011	3	4	21	V	0.04	2.4	5.87	165
180970073	2011	3	4	22	V	0.04	2.4	5.77	166
180970073	2011	3	4	23	V	0.02	2.3	6.6	167
180970073	2011	3	4	24	V	0.03	2.3	4.1	215
180970073	2011	3	5	1	V	0.03	2.1	4.37	162
180970073	2011	3	5	2	V	0.02	2.2	3.8	150
180970073	2011	3	5	3	V	0.02	2.2	2.69	169
180970073	2011	3	5	4	V	0.02	2.2	2.84	161
180970073	2011	3	5	5	V	0.02	2.1	3.41	141
180970073	2011	3	5	6	V	0.02	2	4.46	156
180970073	2011	3	5	7	V	0.02	1.9	4.61	163
180970073	2011	3	5	8	V	0.04	1.8	4.6	205
180970073	2011	3	5	9	V	0.03	2	4.61	203
180970073	2011	3	5	10	V	0.01	2	7.38	316
180970073	2011	3	5	11	V	0.01	2	7.14	321
180970073	2011	3	5	12	V	0.01	2	7.71	326
180970073	2011	3	5	13	V	0.01	2	6.99	327
180970073	2011	3	5	14	V	0.01	2	6.67	335

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	5	15	V	0.01	2	6.84	332
180970073	2011	3	5	16	V	0.03	1.9	7.13	326
180970073	2011	3	5	17	V	0.02	2	7.29	335
180970073	2011	3	5	18	V	0.02	2.1	7.65	336
180970073	2011	3	5	19	V	0.02	2	7.55	339
180970073	2011	3	5	20	V	0.02	2.2	6.5	337
180970073	2011	3	5	21	V	0.02	2.1	6.58	337
180970073	2011	3	5	22	V	0.02	2	7.25	341
180970073	2011	3	5	23	V	0.02	2	6.89	344
180970073	2011	3	5	24	V	0.02	2.1	7.25	341
180970073	2011	3	6	1	V	0.02	1.9	6.84	340
180970073	2011	3	6	2	V	0.02	2	7.23	336
180970073	2011	3	6	3	V	0.02	2	6.06	341
180970073	2011	3	6	4	V	0.02	2	5.84	339
180970073	2011	3	6	5	V	0.03	2.1	5.46	352
180970073	2011	3	6	6	V	0.03	2	5.38	355
180970073	2011	3	6	7	V	0.04	2	5.5	354
180970073	2011	3	6	8	V	0.02	2	5.62	6
180970073	2011	3	6	9	V	0.01	2	5.73	16
180970073	2011	3	6	10	V	0.02	2	5.09	8
180970073	2011	3	6	11	V	0.03	2.1	4.87	5
180970073	2011	3	6	12	V	0.04	2.1	4.03	7
180970073	2011	3	6	13	V	0.02	2.3	5	349
180970073	2011	3	6	14	V	0.02	2.2	5	342
180970073	2011	3	6	15	V	0.02	2.3	4.76	335
180970073	2011	3	6	16	V	0.04	2.2	4.41	345
180970073	2011	3	6	17	V	0.03	2.2	3.22	19
180970073	2011	3	6	18	V	0.03	2.1	2.74	28
180970073	2011	3	6	19	V	0.03	2.3	2.74	19
180970073	2011	3	6	20	V	0.03	2.2	3.9	22
180970073	2011	3	6	21	V	0.03	2	3.42	36
180970073	2011	3	6	22	V	0.03	2	3.05	61
180970073	2011	3	6	23	V	0.03	-999	2.5	33
180970073	2011	3	6	24	V	0.03	2.2	2.45	59
180970073	2011	3	7	1	V	0.02	2.1	2.74	102
180970073	2011	3	7	2	V	0.02	2.2	2.64	90
180970073	2011	3	7	3	V	0.03	2.1	2.69	155
180970073	2011	3	7	4	V	0.03	2	2.49	157
180970073	2011	3	7	5	V	0.02	1.9	3.03	124
180970073	2011	3	7	6	V	0.02	1.8	2.98	131
180970073	2011	3	7	7	V	0.1	2	1.76	135
180970073	2011	3	7	8	V	0.4	2.1	1.82	128
180970073	2011	3	7	9	V	0.2	2.1	2.52	107
180970073	2011	3	7	10	V	0.1	2.2	2.69	156
180970073	2011	3	7	11	V	0.07	2.3	3.46	146
180970073	2011	3	7	12	V	0.04	2.3	3.73	126

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	7	13	V	0.03	2	3.71	129
180970073	2011	3	7	14	V	0.03	2.2	3.78	136
180970073	2011	3	7	15	V	0.03	2.2	3.49	131
180970073	2011	3	7	16	V	0.04	2.3	4	128
180970073	2011	3	7	17	V	0.03	2.3	4.02	126
180970073	2011	3	7	18	V	0.02	2.1	5.6	111
180970073	2011	3	7	19	V	0.02	2.3	4.39	107
180970073	2011	3	7	20	V	0.02	2.4	4.39	104
180970073	2011	3	7	21	V	0.02	2.5	4.54	105
180970073	2011	3	7	22	V	0.02	2.6	5.84	102
180970073	2011	3	7	23	V	0.02	2.6	4.56	105
180970073	2011	3	7	24	V	0.03	5	3.4	107
180970073	2011	3	8	1	V	0.03	5.6	3.42	103
180970073	2011	3	8	2	V	0.03	2.9	3.54	104
180970073	2011	3	8	3	V	0.02	3	4.1	116
180970073	2011	3	8	4	V	0.02	4.9	3.4	117
180970073	2011	3	8	5	V	0.02	6.6	4.1	120
180970073	2011	3	8	6	V	0.03	6.6	4.19	121
180970073	2011	3	8	7	V	0.03	6.6	4.49	120
180970073	2011	3	8	8	V	0.06	6.4	4.31	111
180970073	2011	3	8	9	V	0.04	7.8	4.68	107
180970073	2011	3	8	10	V	0.04	8.2	5.44	104
180970073	2011	3	8	11	V	0.03	8.2	5.51	111
180970073	2011	3	8	12	V	0.02	7.4	5.58	128
180970073	2011	3	8	13	V	0.02	5.8	4.88	132
180970073	2011	3	8	14	V	0.03	5.2	4.42	128
180970073	2011	3	8	15	V	0.02	4.9	4.87	112
180970073	2011	3	8	16	V	0.01	4.5	5.95	108
180970073	2011	3	8	17	V	0.02	6.6	5.73	96
180970073	2011	3	8	18	V	0.03	7.4	5.21	87
180970073	2011	3	8	19	V	0.03	7.9	5.82	82
180970073	2011	3	8	20	V	0.02	4.1	6.69	98
180970073	2011	3	8	21	V	0.02	3.4	6.99	110
180970073	2011	3	8	22	V	0.02	3.3	6.43	114
180970073	2011	3	8	23	V	0.02	3.2	6.09	145
180970073	2011	3	8	24	V	0.02	2.7	6.06	127
180970073	2011	3	9	1	V	0.02	2.5	6.02	121
180970073	2011	3	9	2	V	0.02	2.3	6.7	120
180970073	2011	3	9	3	V	0.02	2.3	7.18	130
180970073	2011	3	9	4	V	0.02	2.2	7.76	131
180970073	2011	3	9	5	V	0.02	2.2	8.16	138
180970073	2011	3	9	6	V	0.02	2.3	8.52	142
180970073	2011	3	9	7	V	0.01	2.3	7.64	146
180970073	2011	3	9	8	V	0.01	2.3	6.5	147
180970073	2011	3	9	9	V	0.03	2.3	4.96	148
180970073	2011	3	9	10	V	0.1	2.3	3.37	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	9	11	V	0.1	2.1	3.71	156
180970073	2011	3	9	12	V	0.07	2.2	3.63	170
180970073	2011	3	9	13	V	0.07	2.1	3.56	180
180970073	2011	3	9	14	V	4.9	2.1	3.76	225
180970073	2011	3	9	15	V	2.7	2.1	4.39	245
180970073	2011	3	9	16	V	3.0	2.2	3.73	250
180970073	2011	3	9	17	V	0.3	2.6	3.29	264
180970073	2011	3	9	18	V	4.2	3.2	4.92	245
180970073	2011	3	9	19	V	0.09	3.7	4.6	268
180970073	2011	3	9	20	V	2.7	2.5	5.26	259
180970073	2011	3	9	21	V	0.2	2.6	6.18	266
180970073	2011	3	9	22	V	0.03	2.4	6.29	273
180970073	2011	3	9	23	V	0.5	2.4	6.99	264
180970073	2011	3	9	24	V	2.5	2.6	6.47	259
180970073	2011	3	10	1	V	0.7	2.5	5.78	263
180970073	2011	3	10	2	V	0.01	2.4	6.58	279
180970073	2011	3	10	3	V	0.01	2.2	5.72	296
180970073	2011	3	10	4	V	0.01	2.2	6.38	290
180970073	2011	3	10	5	V	0.01	2.2	6.6	293
180970073	2011	3	10	6	V	0.01	2.2	7.09	300
180970073	2011	3	10	7	V	0.01	2.3	5.75	307
180970073	2011	3	10	8	V	0.01	2.6	6.31	310
180970073	2011	3	10	9	V	0.01	2.9	6.04	310
180970073	2011	3	10	10	V	0.01	3.1	5.8	321
180970073	2011	3	10	11	V	0.003	3.1	7.03	331
180970073	2011	3	10	12	V	0.003	3.2	7.54	321
180970073	2011	3	10	13	V	0.003	3.2	7.79	317
180970073	2011	3	10	14	V	0.003	3.1	8.03	314
180970073	2011	3	10	15	V	0.002	2.7	8.83	312
180970073	2011	3	10	16	V	0.01	2.8	7.91	315
180970073	2011	3	10	17	V	0.02	2.8	8.17	312
180970073	2011	3	10	18	V	0.02	2.7	7.72	306
180970073	2011	3	10	19	V	0.02	2.6	7.48	300
180970073	2011	3	10	20	V	0.02	2.3	7.62	294
180970073	2011	3	10	21	V	0.02	2.3	7.04	295
180970073	2011	3	10	22	V	0.02	2.4	6.99	298
180970073	2011	3	10	23	V	0.02	2.6	6.74	297
180970073	2011	3	10	24	V	0.02	2.5	5.95	283
180970073	2011	3	11	1	V	0.03	2.6	4.85	269
180970073	2011	3	11	2	V	0.1	2.4	4.76	266
180970073	2011	3	11	3	V	0.03	2.3	6.36	270
180970073	2011	3	11	4	V	0.02	2.3	6.64	284
180970073	2011	3	11	5	V	0.02	2.2	5.69	283
180970073	2011	3	11	6	V	0.02	2.4	5.99	279
180970073	2011	3	11	7	V	0.02	2.4	6.21	285
180970073	2011	3	11	8	V	0.03	2.5	5.33	288

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	11	9	V	0.04	3	5.34	292
180970073	2011	3	11	10	V	0.03	3.1	5.82	285
180970073	2011	3	11	11	V	0.02	3.2	5.85	282
180970073	2011	3	11	12	V	0.01	2.8	7.4	277
180970073	2011	3	11	13	V	0.01	2.6	7.64	283
180970073	2011	3	11	14	V	0.01	2.6	7.91	282
180970073	2011	3	11	15	V	0.01	2.4	7.45	276
180970073	2011	3	11	16	V	0.01	2.4	6.28	271
180970073	2011	3	11	17	V	0.07	2.6	6.47	268
180970073	2011	3	11	18	V	4.7	3.3	4.97	246
180970073	2011	3	11	19	V	10.8	4.2	4.99	236
180970073	2011	3	11	20	V	0.02	4.4	3.71	214
180970073	2011	3	11	21	V	0.02	6.1	4.14	196
180970073	2011	3	11	22	V	0.02	3.3	4.73	198
180970073	2011	3	11	23	V	0.03	4.2	4.44	207
180970073	2011	3	11	24	V	0.03	4.9	4.12	217
180970073	2011	3	12	1	V	0.03	6.6	5.12	199
180970073	2011	3	12	2	V	0.03	4.8	5.12	201
180970073	2011	3	12	3	V	0.03	4.4	5.73	210
180970073	2011	3	12	4	V	7.7	4.6	8.91	227
180970073	2011	3	12	5	V	14.7	6.9	9.3	234
180970073	2011	3	12	6	V	13.2	3.9	7.91	236
180970073	2011	3	12	7	V	9.0	3.4	6.36	234
180970073	2011	3	12	8	V	11.9	3.5	5.51	236
180970073	2011	3	12	9	V	5.1	3.9	7.3	238
180970073	2011	3	12	10	V	1.4	6.7	9.97	253
180970073	2011	3	12	11	V	1.0	3.9	10.07	256
180970073	2011	3	12	12	V	1.1	3.9	11.53	254
180970073	2011	3	12	13	V	0.9	2.7	11.35	256
180970073	2011	3	12	14	V	0.4	2.7	10.57	260
180970073	2011	3	12	15	V	0.8	2.8	11.6	257
180970073	2011	3	12	16	V	0.01	2.9	11.65	270
180970073	2011	3	12	17	V	0.03	2.4	10.82	281
180970073	2011	3	12	18	V	0.03	2.3	8.73	293
180970073	2011	3	12	19	V	0.03	2.3	8.3	289
180970073	2011	3	12	20	V	0.03	2.4	6.87	284
180970073	2011	3	12	21	V	0.03	2.2	6.67	274
180970073	2011	3	12	22	V	0.03	2.4	6.55	281
180970073	2011	3	12	23	V	0.03	2.5	6.87	305
180970073	2011	3	12	24	V	0.03	2.3	5.96	309
180970073	2011	3	13	1	V	0.03	2.2	5.21	301
180970073	2011	3	13	2	V	0.02	2.2	4.31	302
180970073	2011	3	13	3	V	0.02	2.2	4.29	307
180970073	2011	3	13	4	V	0.03	2.2	4.7	324
180970073	2011	3	13	5	V	0.03	2.4	5.28	326
180970073	2011	3	13	6	V	0.04	2.2	5.09	329

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	13	7	V	0.04	2.2	4.76	329
180970073	2011	3	13	8	V	0.06	2.2	4.73	348
180970073	2011	3	13	9	V	0.05	2.2	4.41	360
180970073	2011	3	13	10	V	0.2	2.6	2.45	28
180970073	2011	3	13	11	V	0.9	2.7	1.23	334
180970073	2011	3	13	12	V	0.8	2.6	1.33	355
180970073	2011	3	13	13	V	18.9	2.6	1.59	244
180970073	2011	3	13	14	V	0.5	2.6	1.86	296
180970073	2011	3	13	15	V	1.6	2.3	2.23	265
180970073	2011	3	13	16	V	0.06	2.4	3.58	310
180970073	2011	3	13	17	V	0.03	2.4	4.14	329
180970073	2011	3	13	18	V	0.04	2.4	4.82	336
180970073	2011	3	13	19	V	0.04	2.5	4.54	346
180970073	2011	3	13	20	V	0.04	2.4	4.36	8
180970073	2011	3	13	21	V	0.04	2.5	4.36	13
180970073	2011	3	13	22	V	0.04	2.5	4.2	9
180970073	2011	3	13	23	V	0.04	-999	5.8	15
180970073	2011	3	13	24	V	0.03	2.5	5.8	28
180970073	2011	3	14	1	V	0.03	2.4	5.43	33
180970073	2011	3	14	2	V	0.03	2.4	4.1	35
180970073	2011	3	14	3	V	0.03	2.4	3.71	44
180970073	2011	3	14	4	V	0.03	2.2	3.71	49
180970073	2011	3	14	5	V	0.03	2.2	3.8	43
180970073	2011	3	14	6	V	0.04	2.2	4.71	42
180970073	2011	3	14	7	V	0.03	2.4	5	49
180970073	2011	3	14	8	V	0.02	2.6	5.94	64
180970073	2011	3	14	9	V	0.02	2.3	6.46	74
180970073	2011	3	14	10	V	0.02	2.3	6.72	76
180970073	2011	3	14	11	V	0.02	2.5	6.23	83
180970073	2011	3	14	12	V	0.02	2.4	5.67	81
180970073	2011	3	14	13	V	0.01	2.3	6.4	82
180970073	2011	3	14	14	V	0.01	2.3	7.01	83
180970073	2011	3	14	15	V	0.01	2.5	7.3	86
180970073	2011	3	14	16	V	0.01	2.7	7.35	90
180970073	2011	3	14	17	V	0.04	2.5	6.91	91
180970073	2011	3	14	18	V	0.04	2.5	5.58	90
180970073	2011	3	14	19	V	0.04	2.4	5.85	73
180970073	2011	3	14	20	V	0.04	2.5	5.6	72
180970073	2011	3	14	21	V	0.04	2.4	6.02	64
180970073	2011	3	14	22	V	0.03	2.4	7.13	57
180970073	2011	3	14	23	V	0.03	2.4	7.47	58
180970073	2011	3	14	24	V	0.03	2.5	7.52	61
180970073	2011	3	15	1	V	0.03	2.4	6.53	65
180970073	2011	3	15	2	V	0.03	2.3	6.4	72
180970073	2011	3	15	3	V	0.03	2.4	6.26	72
180970073	2011	3	15	4	V	0.03	2.5	6.28	75

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	15	5	V	0.03	2.6	6.53	74
180970073	2011	3	15	6	V	0.04	2.7	6.35	75
180970073	2011	3	15	7	V	0.03	2.6	4.95	80
180970073	2011	3	15	8	V	0.05	2.7	4.78	70
180970073	2011	3	15	9	V	0.1	2.9	4.07	79
180970073	2011	3	15	10	V	0.1	2.6	3.51	58
180970073	2011	3	15	11	V	0.06	2.8	4.37	63
180970073	2011	3	15	12	V	0.08	3.3	3.93	81
180970073	2011	3	15	13	V	0.05	3.9	4.65	64
180970073	2011	3	15	14	V	0.06	4.3	3.97	155
180970073	2011	3	15	15	V	0.1	3.7	2.78	172
180970073	2011	3	15	16	V	2.1	3.9	2.62	242
180970073	2011	3	15	17	V	7.4	3.6	3.47	248
180970073	2011	3	15	18	V	0.05	4	2.36	271
180970073	2011	3	15	19	V	0.04	3.3	3.36	294
180970073	2011	3	15	20	V	4.6	3.2	3.97	257
180970073	2011	3	15	21	V	6.5	3.4	6.18	250
180970073	2011	3	15	22	V	7.7	4.4	4.97	251
180970073	2011	3	15	23	V	4.1	4	4.85	244
180970073	2011	3	15	24	V	6.4	4.2	6.26	250
180970073	2011	3	16	1	V	6.2	4.6	6.67	250
180970073	2011	3	16	2	V	4.1	5	6.52	245
180970073	2011	3	16	3	V	6.2	6.2	6.69	250
180970073	2011	3	16	4	V	6.9	4.9	5.73	251
180970073	2011	3	16	5	V	5.9	5.7	4.15	247
180970073	2011	3	16	6	V	5.1	7	5.19	256
180970073	2011	3	16	7	V	5.8	5.1	3.81	254
180970073	2011	3	16	8	V	26.6	6.9	3.83	234
180970073	2011	3	16	9	V	18.6	11	4.9	235
180970073	2011	3	16	10	V	14.9	14.4	4.56	239
180970073	2011	3	16	11	V	18.7	19	3.81	227
180970073	2011	3	16	12	V	18.3	22.8	4.24	228
180970073	2011	3	16	13	V	8.6	20.9	5.68	239
180970073	2011	3	16	14	V	12.0	8.7	5.19	235
180970073	2011	3	16	15	V	7.6	4.5	5.84	231
180970073	2011	3	16	16	V	4.3	8.7	6.09	238
180970073	2011	3	16	17	V	14.5	5	6.64	229
180970073	2011	3	16	18	V	0.4	5	5.94	221
180970073	2011	3	16	19	V	0.03	4.2	4.39	213
180970073	2011	3	16	20	V	0.03	5.2	3.64	197
180970073	2011	3	16	21	V	0.03	6.3	3.88	199
180970073	2011	3	16	22	V	0.03	4.5	3.46	194
180970073	2011	3	16	23	V	0.02	4.6	3.88	177
180970073	2011	3	16	24	V	0.02	4.5	4.05	183
180970073	2011	3	17	1	V	0.02	5.3	4.14	179
180970073	2011	3	17	2	V	0.02	4.9	3.56	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	17	3	V	0.02	4.3	3.3	167
180970073	2011	3	17	4	V	0.02	4.5	3.95	178
180970073	2011	3	17	5	V	0.02	4.5	3.51	173
180970073	2011	3	17	6	V	0.02	3.5	3.81	163
180970073	2011	3	17	7	V	0.08	3.3	3.8	160
180970073	2011	3	17	8	V	0.1	3.6	3.78	160
180970073	2011	3	17	9	V	0.07	4.5	4.2	164
180970073	2011	3	17	10	V	0.03	-999	5.68	185
180970073	2011	3	17	11	V	0.02	-999	6.28	194
180970073	2011	3	17	12	V	0.01	3.6	7.57	188
180970073	2011	3	17	13	V	0.01	3.6	8.9	200
180970073	2011	3	17	14	V	0.004	3.5	10.48	204
180970073	2011	3	17	15	V	0.003	3.1	11.87	198
180970073	2011	3	17	16	V	0.003	2.7	11.43	201
180970073	2011	3	17	17	V	0.02	2.7	10.14	200
180970073	2011	3	17	18	V	0.02	2.6	9.87	198
180970073	2011	3	17	19	V	0.02	3	7.83	206
180970073	2011	3	17	20	V	0.6	3.1	7.06	221
180970073	2011	3	17	21	V	6.5	5.1	8.61	228
180970073	2011	3	17	22	V	1.4	3.5	8.45	223
180970073	2011	3	17	23	V	8.7	7.6	8.06	232
180970073	2011	3	17	24	V	7.2	8.2	7.04	232
180970073	2011	3	18	1	V	3.5	4.2	6.96	227
180970073	2011	3	18	2	V	2.9	3	7.46	242
180970073	2011	3	18	3	V	3.8	3.2	5.36	245
180970073	2011	3	18	4	V	6.1	5.7	5.51	248
180970073	2011	3	18	5	V	6.6	4.9	4.36	255
180970073	2011	3	18	6	V	0.02	3	4.68	297
180970073	2011	3	18	7	V	0.02	2.4	5.39	327
180970073	2011	3	18	8	V	0.04	2.1	4.51	353
180970073	2011	3	18	9	V	0.08	2.4	4.27	2
180970073	2011	3	18	10	V	0.03	2.4	4.94	10
180970073	2011	3	18	11	V	0.08	2.3	3.83	13
180970073	2011	3	18	12	V	0.1	2.3	3.46	1
180970073	2011	3	18	13	V	0.06	2.1	4.29	339
180970073	2011	3	18	14	V	0.01	2.3	6.35	318
180970073	2011	3	18	15	V	0.01	2	5.38	351
180970073	2011	3	18	16	V	0.08	1.9	3.83	265
180970073	2011	3	18	17	V	0.03	2	3.59	285
180970073	2011	3	18	18	V	0.02	1.9	3.74	293
180970073	2011	3	18	19	V	0.02	1.9	3.83	297
180970073	2011	3	18	20	V	0.02	1.8	3.57	296
180970073	2011	3	18	21	V	0.02	1.7	3.29	300
180970073	2011	3	18	22	V	0.02	1.8	3.98	318
180970073	2011	3	18	23	V	0.02	1.7	3.81	340
180970073	2011	3	18	24	V	0.02	2.5	4.2	7

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	19	1	V	0.02	2.2	4.15	16
180970073	2011	3	19	2	V	0.02	2.1	3.51	30
180970073	2011	3	19	3	V	0.02	1.9	2.98	39
180970073	2011	3	19	4	V	0.02	2	3.08	36
180970073	2011	3	19	5	V	0.02	1.9	3.34	39
180970073	2011	3	19	6	V	0.04	1.7	2.16	22
180970073	2011	3	19	7	V	0.2	1.7	2.32	29
180970073	2011	3	19	8	V	0.3	2	2.66	31
180970073	2011	3	19	9	V	0.2	2.7	3.47	49
180970073	2011	3	19	10	V	0.06	2.5	4.7	56
180970073	2011	3	19	11	V	0.02	2.3	5.75	73
180970073	2011	3	19	12	V	0.03	1.9	4.97	69
180970073	2011	3	19	13	V	0.04	1.8	4.25	77
180970073	2011	3	19	14	V	0.02	1.9	4.36	59
180970073	2011	3	19	15	V	0.02	1.7	4.92	71
180970073	2011	3	19	16	V	0.01	1.6	5.19	73
180970073	2011	3	19	17	V	0.03	1.7	5.77	85
180970073	2011	3	19	18	V	0.03	1.8	5.53	84
180970073	2011	3	19	19	V	0.03	1.7	5.09	89
180970073	2011	3	19	20	V	0.03	1.8	4.02	83
180970073	2011	3	19	21	V	0.03	1.8	4.65	78
180970073	2011	3	19	22	V	0.03	1.9	5.28	75
180970073	2011	3	19	23	V	0.02	1.8	5.48	84
180970073	2011	3	19	24	V	0.02	2	5.67	95
180970073	2011	3	20	1	V	0.02	2	5.24	101
180970073	2011	3	20	2	V	0.02	2.3	5.21	104
180970073	2011	3	20	3	V	0.02	2.3	5.29	93
180970073	2011	3	20	4	V	0.02	2.1	5.46	103
180970073	2011	3	20	5	V	0.02	2	6.58	102
180970073	2011	3	20	6	V	0.02	2.2	5.96	103
180970073	2011	3	20	7	V	0.01	2.6	5.73	106
180970073	2011	3	20	8	V	0.06	5	4.17	126
180970073	2011	3	20	9	V	0.04	4.4	5.12	126
180970073	2011	3	20	10	V	0.02	4.8	6.41	112
180970073	2011	3	20	11	V	0.02	4.6	6.41	125
180970073	2011	3	20	12	V	0.02	3.8	6.11	125
180970073	2011	3	20	13	V	0.01	4.9	7.42	133
180970073	2011	3	20	14	V	0.01	7.6	6.4	143
180970073	2011	3	20	15	V	0.01	6	6.04	154
180970073	2011	3	20	16	V	0.01	6.2	4.92	165
180970073	2011	3	20	17	V	0.03	5.7	5.07	160
180970073	2011	3	20	18	V	0.03	3.1	5.11	155
180970073	2011	3	20	19	V	0.03	2.9	4.92	141
180970073	2011	3	20	20	V	0.02	2.9	5.31	142
180970073	2011	3	20	21	V	0.02	3	6.02	153
180970073	2011	3	20	22	V	0.03	3.5	5.62	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	20	23	V	0.03	-999	3.71	193
180970073	2011	3	20	24	V	4.5	4.6	7.52	227
180970073	2011	3	21	1	V	6.7	7.7	8.95	231
180970073	2011	3	21	2	V	8.4	3.4	9.78	234
180970073	2011	3	21	3	V	10.4	2.9	9.42	235
180970073	2011	3	21	4	V	8.4	3	8.33	238
180970073	2011	3	21	5	V	10.6	3.4	7.99	237
180970073	2011	3	21	6	V	8.5	3.3	7.16	239
180970073	2011	3	21	7	V	8.8	3.4	6.28	236
180970073	2011	3	21	8	V	13.0	3.4	4.31	239
180970073	2011	3	21	9	V	13.7	3.6	5.04	237
180970073	2011	3	21	10	V	1.9	3.7	6.74	244
180970073	2011	3	21	11	V	1.3	5.2	8.33	248
180970073	2011	3	21	12	V	2.3	4.3	7.6	242
180970073	2011	3	21	13	V	2.1	3.5	7.59	251
180970073	2011	3	21	14	V	2.6	3.4	6.67	250
180970073	2011	3	21	15	V	2.3	3.9	6.28	255
180970073	2011	3	21	16	V	1.6	2.8	6.18	257
180970073	2011	3	21	17	V	0.05	2.7	3.83	302
180970073	2011	3	21	18	V	0.04	2.6	3.8	287
180970073	2011	3	21	19	V	0.04	2.8	3.15	339
180970073	2011	3	21	20	V	0.04	2.7	3.4	338
180970073	2011	3	21	21	V	0.04	2.5	3.22	12
180970073	2011	3	21	22	V	0.04	2.1	3.03	12
180970073	2011	3	21	23	V	0.03	2	3.01	28
180970073	2011	3	21	24	V	0.04	2	2.42	56
180970073	2011	3	22	1	V	0.03	1.9	2.84	48
180970073	2011	3	22	2	V	0.03	2.2	4.12	59
180970073	2011	3	22	3	V	0.03	2.2	4.6	72
180970073	2011	3	22	4	V	0.03	2.3	5.53	56
180970073	2011	3	22	5	V	0.03	1.9	6.01	64
180970073	2011	3	22	6	V	0.03	1.8	6.16	71
180970073	2011	3	22	7	V	0.02	1.8	5.72	93
180970073	2011	3	22	8	V	0.06	1.7	4.63	121
180970073	2011	3	22	9	V	0.06	2	4.92	123
180970073	2011	3	22	10	V	0.05	1.9	5.63	117
180970073	2011	3	22	11	V	0.06	2.4	5.22	131
180970073	2011	3	22	12	V	0.1	3.5	4.05	140
180970073	2011	3	22	13	V	0.5	5.9	2.5	119
180970073	2011	3	22	14	V	0.3	5.8	3.22	111
180970073	2011	3	22	15	V	0.03	4.5	5.58	182
180970073	2011	3	22	16	V	0.02	3.4	6.65	209
180970073	2011	3	22	17	V	0.04	3.2	5.99	189
180970073	2011	3	22	18	V	0.1	2.7	2.76	220
180970073	2011	3	22	19	V	0.04	2.9	4.41	182
180970073	2011	3	22	20	V	0.04	2.6	3.8	161

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	22	21	V	0.04	2.3	2.72	195
180970073	2011	3	22	22	V	18.4	2.2	5.29	230
180970073	2011	3	22	23	V	0.03	2.1	7.72	209
180970073	2011	3	22	24	V	0.02	2.6	7.28	214
180970073	2011	3	23	1	V	0.8	3.7	8.1	221
180970073	2011	3	23	2	V	12.1	8.3	8.69	232
180970073	2011	3	23	3	V	3.8	5.8	7.99	225
180970073	2011	3	23	4	V	0.8	4.3	7.79	221
180970073	2011	3	23	5	V	1.9	5.8	8.54	223
180970073	2011	3	23	6	V	8.6	6.2	7.71	239
180970073	2011	3	23	7	V	0.01	3.9	7.38	297
180970073	2011	3	23	8	V	0.4	2	2.37	340
180970073	2011	3	23	9	V	0.4	1.9	2.81	158
180970073	2011	3	23	10	V	0.04	1.8	5.56	168
180970073	2011	3	23	11	V	0.02	2.3	7.45	196
180970073	2011	3	23	12	V	6.7	5.4	8.81	234
180970073	2011	3	23	13	V	1.2	3.9	11.38	254
180970073	2011	3	23	14	V	0.04	1.9	11.48	266
180970073	2011	3	23	15	V	0.01	1.6	11.97	273
180970073	2011	3	23	16	V	0.01	1.6	10.53	273
180970073	2011	3	23	17	V	0.2	1.7	11.45	267
180970073	2011	3	23	18	V	0.02	1.5	12.48	276
180970073	2011	3	23	19	V	0.03	1.7	10.37	306
180970073	2011	3	23	20	V	0.03	1.6	10.78	315
180970073	2011	3	23	21	V	0.03	1.6	10.63	315
180970073	2011	3	23	22	V	0.03	1.5	9.22	303
180970073	2011	3	23	23	V	0.03	1.8	6.89	307
180970073	2011	3	23	24	V	0.03	1.6	6.36	305
180970073	2011	3	24	1	V	0.03	1.8	6.36	305
180970073	2011	3	24	2	V	0.02	2	7.71	314
180970073	2011	3	24	3	V	0.02	1.8	7.32	312
180970073	2011	3	24	4	V	0.03	1.6	6.97	313
180970073	2011	3	24	5	V	0.03	1.7	7.31	333
180970073	2011	3	24	6	V	0.03	1.5	7.35	347
180970073	2011	3	24	7	V	0.01	1.5	7.65	345
180970073	2011	3	24	8	V	0.01	1.6	6.67	358
180970073	2011	3	24	9	V	0.02	1.6	5.89	358
180970073	2011	3	24	10	V	0.02	1.6	6.11	358
180970073	2011	3	24	11	V	0.03	1.7	5.39	2
180970073	2011	3	24	12	V	0.03	1.6	5.29	5
180970073	2011	3	24	13	V	0.02	1.6	5.51	360
180970073	2011	3	24	14	V	0.03	1.7	4.76	353
180970073	2011	3	24	15	V	0.04	1.6	3.78	21
180970073	2011	3	24	16	V	0.02	1.7	4.12	353
180970073	2011	3	24	17	V	0.04	1.8	4.36	334
180970073	2011	3	24	18	V	0.04	1.7	3.39	329

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	24	19	V	0.04	1.9	2.55	344
180970073	2011	3	24	20	V	0.2	1.8	1.52	325
180970073	2011	3	24	21	V	0.1	1.7	1.71	270
180970073	2011	3	24	22	V	0.04	2.2	3.74	288
180970073	2011	3	24	23	V	0.04	2.2	4.36	2
180970073	2011	3	24	24	V	0.04	2	3.85	2
180970073	2011	3	25	1	V	0.04	1.8	2.93	2
180970073	2011	3	25	2	V	0.04	1.9	2.88	341
180970073	2011	3	25	3	V	0.04	1.9	3.93	320
180970073	2011	3	25	4	V	0.04	1.9	4.32	345
180970073	2011	3	25	5	V	0.04	2	3.97	23
180970073	2011	3	25	6	V	0.05	2.4	4.41	24
180970073	2011	3	25	7	V	0.2	2.3	2.81	15
180970073	2011	3	25	8	V	0.5	2	1.98	4
180970073	2011	3	25	9	V	0.5	2.1	1.59	22
180970073	2011	3	25	10	V	1.6	1.9	0.86	354
180970073	2011	3	25	11	V	0.9	2.2	1.33	147
180970073	2011	3	25	12	V	0.7	2.5	1.23	310
180970073	2011	3	25	13	V	0.4	2.5	2.01	304
180970073	2011	3	25	14	V	0.2	2.5	2.2	304
180970073	2011	3	25	15	V	0.1	2.2	2.66	301
180970073	2011	3	25	16	V	0.02	2.2	3.12	284
180970073	2011	3	25	17	V	0.05	2.1	2.74	318
180970073	2011	3	25	18	V	0.04	2	3.17	343
180970073	2011	3	25	19	V	0.04	2.1	2.52	351
180970073	2011	3	25	20	V	0.04	2.2	3.78	36
180970073	2011	3	25	21	V	0.04	2.2	4.32	33
180970073	2011	3	25	22	V	0.04	2.3	3.51	35
180970073	2011	3	25	23	V	0.03	2.2	4.46	40
180970073	2011	3	25	24	V	0.03	2.4	4.44	48
180970073	2011	3	26	1	V	0.03	2.3	4.39	56
180970073	2011	3	26	2	V	0.03	2.1	4.56	57
180970073	2011	3	26	3	V	0.04	2.3	3.98	42
180970073	2011	3	26	4	V	0.04	2.3	5.09	43
180970073	2011	3	26	5	V	0.04	2.4	6.01	52
180970073	2011	3	26	6	V	0.05	2.6	5.79	59
180970073	2011	3	26	7	V	0.03	2.6	5.73	60
180970073	2011	3	26	8	V	0.01	2.5	6.72	68
180970073	2011	3	26	9	V	0.02	2.3	7.06	72
180970073	2011	3	26	10	V	0.02	2.3	6.58	75
180970073	2011	3	26	11	V	0.01	2.4	7.03	67
180970073	2011	3	26	12	V	0.01	2.3	6.7	66
180970073	2011	3	26	13	V	0.01	2.3	6.86	65
180970073	2011	3	26	14	V	0.02	2.2	5.8	74
180970073	2011	3	26	15	V	0.01	2.1	6.6	62
180970073	2011	3	26	16	V	0.01	2.2	7.13	50

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	26	17	V	0.03	2.2	7.62	51
180970073	2011	3	26	18	V	0.03	2.5	7.4	56
180970073	2011	3	26	19	V	0.03	2.3	7.96	55
180970073	2011	3	26	20	V	0.04	2	6.75	60
180970073	2011	3	26	21	V	0.03	2.1	7.38	55
180970073	2011	3	26	22	V	0.03	2.3	7.16	46
180970073	2011	3	26	23	V	0.03	2.6	7.52	43
180970073	2011	3	26	24	V	0.03	2.7	6.87	44
180970073	2011	3	27	1	V	0.03	2.4	6.4	49
180970073	2011	3	27	2	V	0.02	2.3	6.06	49
180970073	2011	3	27	3	V	0.03	2.8	5.6	47
180970073	2011	3	27	4	V	0.03	2.8	5.75	42
180970073	2011	3	27	5	V	0.03	2.5	5.68	41
180970073	2011	3	27	6	V	0.05	2.5	5.63	38
180970073	2011	3	27	7	V	0.03	2.8	5.65	39
180970073	2011	3	27	8	V	0.03	3.7	6.14	39
180970073	2011	3	27	9	V	0.03	4	6.02	44
180970073	2011	3	27	10	V	0.04	4.2	5.39	46
180970073	2011	3	27	11	V	0.04	4	5.56	48
180970073	2011	3	27	12	V	0.05	3.3	4.92	44
180970073	2011	3	27	13	V	0.04	3.2	5	43
180970073	2011	3	27	14	V	0.03	3.1	5.43	39
180970073	2011	3	27	15	V	0.03	2.5	5.05	36
180970073	2011	3	27	16	V	0.01	2.5	5.9	47
180970073	2011	3	27	17	V	0.04	2.5	5	44
180970073	2011	3	27	18	V	0.04	2.6	5.24	43
180970073	2011	3	27	19	V	0.04	2.7	5.34	49
180970073	2011	3	27	20	V	0.04	2.9	5.22	43
180970073	2011	3	27	21	V	0.04	3.2	4.85	47
180970073	2011	3	27	22	V	0.03	3.7	5.43	50
180970073	2011	3	27	23	V	0.04	-999	5.04	57
180970073	2011	3	27	24	V	0.03	3.3	3.97	62
180970073	2011	3	28	1	V	0.03	2.8	4.31	68
180970073	2011	3	28	2	V	0.03	2.6	3.91	63
180970073	2011	3	28	3	V	0.04	2.5	2.69	45
180970073	2011	3	28	4	V	0.04	2.4	2.81	17
180970073	2011	3	28	5	V	0.04	2.4	3.44	20
180970073	2011	3	28	6	V	0.05	2.7	3.47	35
180970073	2011	3	28	7	V	0.2	2.6	3.69	57
180970073	2011	3	28	8	V	0.08	2.6	4.56	72
180970073	2011	3	28	9	V	0.03	2.9	5.58	84
180970073	2011	3	28	10	V	0.06	3.4	4.94	81
180970073	2011	3	28	11	V	0.09	2.8	4.46	73
180970073	2011	3	28	12	V	0.09	2.7	4.36	74
180970073	2011	3	28	13	V	0.1	2.6	3.74	57
180970073	2011	3	28	14	V	0.1	2.6	3.54	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	28	15	V	0.1	2.7	3.23	25
180970073	2011	3	28	16	V	0.06	2.7	3.41	25
180970073	2011	3	28	17	V	0.04	2.6	3.89	31
180970073	2011	3	28	18	V	0.03	2.8	4.09	39
180970073	2011	3	28	19	V	0.03	2.6	4.07	30
180970073	2011	3	28	20	V	0.03	2.8	4.1	41
180970073	2011	3	28	21	V	0.03	2.9	3.32	56
180970073	2011	3	28	22	V	0.05	3	2.57	61
180970073	2011	3	28	23	V	0.04	-999	2.84	60
180970073	2011	3	28	24	V	0.07	-999	2.2	55
180970073	2011	3	29	1	V	0.05	0.5	2.54	34
180970073	2011	3	29	2	V	0.04	0.5	3.39	38
180970073	2011	3	29	3	V	0.04	0.6	4.03	32
180970073	2011	3	29	4	V	0.04	1.2	4.32	40
180970073	2011	3	29	5	V	0.04	1.6	4.1	42
180970073	2011	3	29	6	V	0.05	1.6	3.2	43
180970073	2011	3	29	7	V	0.3	1.1	2.5	42
180970073	2011	3	29	8	V	0.3	0.7	2.86	58
180970073	2011	3	29	9	V	0.1	0.5	4.14	82
180970073	2011	3	29	10	V	0.05	0.3	4.83	100
180970073	2011	3	29	11	V	0.07	0.6	3.98	86
180970073	2011	3	29	12	V	0.07	0.8	4.07	75
180970073	2011	3	29	13	V	0.06	0.6	4.29	91
180970073	2011	3	29	14	V	0.05	1.1	4.34	86
180970073	2011	3	29	15	V	0.08	1	3.92	73
180970073	2011	3	29	16	V	0.06	0.6	4.17	64
180970073	2011	3	29	17	V	0.05	0.7	4.27	79
180970073	2011	3	29	18	V	0.04	0.8	4.17	101
180970073	2011	3	29	19	V	0.04	0.6	4.03	108
180970073	2011	3	29	20	V	0.04	0.5	3.34	95
180970073	2011	3	29	21	V	0.04	0.4	3.81	79
180970073	2011	3	29	22	V	0.04	0.8	4.41	63
180970073	2011	3	29	23	V	0.04	0.6	4.9	73
180970073	2011	3	29	24	V	0.04	0.6	4.75	68
180970073	2011	3	30	1	V	0.03	0.7	3.97	49
180970073	2011	3	30	2	V	0.03	0.5	3.75	54
180970073	2011	3	30	3	V	0.03	0.4	4.24	63
180970073	2011	3	30	4	V	0.04	0.5	4.36	56
180970073	2011	3	30	5	V	0.04	0.5	5.17	42
180970073	2011	3	30	6	V	0.04	0.6	5.68	46
180970073	2011	3	30	7	V	0.02	0.8	6.09	47
180970073	2011	3	30	8	V	0.03	0.6	5.38	31
180970073	2011	3	30	9	V	0.03	0.7	5.99	4
180970073	2011	3	30	10	V	0.02	0.8	6.74	355
180970073	2011	3	30	11	V	0.06	0.8	4.83	11
180970073	2011	3	30	12	V	0.03	0.2	5.51	49

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	3	30	13	V	0.01	0.3	6.58	31
180970073	2011	3	30	14	V	0.01	0	5.82	37
180970073	2011	3	30	15	V	0.03	0.1	4.34	57
180970073	2011	3	30	16	V	0.02	0	3.78	37
180970073	2011	3	30	17	V	0.04	0	4.7	25
180970073	2011	3	30	18	V	0.03	0	5.31	29
180970073	2011	3	30	19	V	0.03	0	4.27	51
180970073	2011	3	30	20	V	0.03	0	3.34	61
180970073	2011	3	30	21	V	0.03	0	3.25	88
180970073	2011	3	30	22	V	0.05	0	2.56	109
180970073	2011	3	30	23	V	0.05	0	2.54	137
180970073	2011	3	30	24	V	0.07	0	2.08	153
180970073	2011	3	31	1	V	0.2	0	1.62	301
180970073	2011	3	31	2	C	-999	0	0	0
180970073	2011	3	31	3	V	0.5	0	1.03	89
180970073	2011	3	31	4	V	0.2	0	1.42	91
180970073	2011	3	31	5	V	1.6	0.3	0.53	357
180970073	2011	3	31	6	V	0.7	0.4	0.89	7
180970073	2011	3	31	7	V	1.7	0.8	1.09	3
180970073	2011	3	31	8	V	1.0	1.1	1.37	4
180970073	2011	3	31	9	V	0.8	0.7	1.62	354
180970073	2011	3	31	10	V	0.7	15.2	1.81	297
180970073	2011	3	31	11	V	0.6	8.9	1.93	308
180970073	2011	3	31	12	V	0.4	3.5	2.44	306
180970073	2011	3	31	13	V	0.7	2.1	1.99	279
180970073	2011	3	31	14	V	0.4	1.9	2.23	290
180970073	2011	3	31	15	V	0.3	1.8	1.99	292
180970073	2011	3	31	16	V	0.1	1.5	2.35	309
180970073	2011	3	31	17	V	0.05	2.4	2.39	296
180970073	2011	3	31	18	V	0.05	1.4	2.42	284
180970073	2011	3	31	19	V	0.3	1.2	1.3	305
180970073	2011	3	31	20	V	0.1	0.8	1.82	306
180970073	2011	3	31	21	V	0.1	0.9	1.64	328
180970073	2011	3	31	22	V	0.4	0.8	1.42	267
180970073	2011	3	31	23	V	12.0	0.9	1.2	241
180970073	2011	3	31	24	V	3.4	0.4	1.94	258
180970073	2011	4	1	1	V	8.8	0.5	1.77	254
180970073	2011	4	1	2	V	0.1	0.6	1.65	310
180970073	2011	4	1	3	V	0.05	0.5	2.13	275
180970073	2011	4	1	4	V	0.05	0.6	2.18	297
180970073	2011	4	1	5	V	0.1	1	1.69	329
180970073	2011	4	1	6	V	1.0	1	1.04	292
180970073	2011	4	1	7	V	2.4	1	1.14	278
180970073	2011	4	1	8	C	-999	1.6	0	0
180970073	2011	4	1	9	V	2.6	3.1	1.08	204
180970073	2011	4	1	10	V	2.7	12.2	3	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	1	11	V	11.3	6.7	6.21	235
180970073	2011	4	1	12	V	0.04	4.3	4.37	286
180970073	2011	4	1	13	V	0.08	2	6.99	265
180970073	2011	4	1	14	V	0.2	2.7	6.55	263
180970073	2011	4	1	15	V	2.3	3.5	6.29	251
180970073	2011	4	1	16	V	6.2	6.6	7.69	232
180970073	2011	4	1	17	V	4.6	6.7	8.86	245
180970073	2011	4	1	18	V	8.6	0.6	3.22	250
180970073	2011	4	1	19	V	9.6	0.1	2.06	239
180970073	2011	4	1	20	V	0.03	0.7	3.32	277
180970073	2011	4	1	21	V	0.5	0.3	2.95	262
180970073	2011	4	1	22	V	0.1	0	3.85	267
180970073	2011	4	1	23	V	0.03	0.2	6.91	285
180970073	2011	4	1	24	V	3.1	0	4.99	242
180970073	2011	4	2	1	V	5.9	0	4.27	240
180970073	2011	4	2	2	V	8.4	0.5	4.66	252
180970073	2011	4	2	3	V	0.4	0.3	4.42	263
180970073	2011	4	2	4	V	0.2	0	4	264
180970073	2011	4	2	5	V	0.03	0	4.65	275
180970073	2011	4	2	6	V	0.03	0	5.43	288
180970073	2011	4	2	7	V	0.05	0	5.36	276
180970073	2011	4	2	8	V	0.04	0.1	5.94	277
180970073	2011	4	2	9	V	0.02	0.1	6.09	285
180970073	2011	4	2	10	V	0.07	0	7.25	267
180970073	2011	4	2	11	V	0.01	0	8.35	274
180970073	2011	4	2	12	V	0.01	0	9.63	285
180970073	2011	4	2	13	V	0.01	0	9.34	285
180970073	2011	4	2	14	V	0.01	0	10.36	292
180970073	2011	4	2	15	V	0.01	0	10.94	288
180970073	2011	4	2	16	V	0.01	0	10.41	292
180970073	2011	4	2	17	V	0.03	0	10.89	300
180970073	2011	4	2	18	V	0.03	0	9.54	301
180970073	2011	4	2	19	V	0.02	0	7.5	310
180970073	2011	4	2	20	V	0.03	0	4.19	325
180970073	2011	4	2	21	V	0.05	0	2.44	317
180970073	2011	4	2	22	V	0.3	0	1.21	24
180970073	2011	4	2	23	V	0.2	0	1.37	74
180970073	2011	4	2	24	V	0.08	0	1.91	103
180970073	2011	4	3	1	V	0.04	0	2.57	119
180970073	2011	4	3	2	V	0.04	0	2.52	122
180970073	2011	4	3	3	V	0.04	0	3.76	137
180970073	2011	4	3	4	V	0.03	0	3.93	108
180970073	2011	4	3	5	V	0.04	0	4.48	147
180970073	2011	4	3	6	V	0.03	0.2	5.12	120
180970073	2011	4	3	7	V	0.03	1.6	5.87	131
180970073	2011	4	3	8	V	0.02	1.9	6.75	135

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	3	9	V	0.01	7.8	8.01	142
180970073	2011	4	3	10	V	0.01	6.2	8.45	139
180970073	2011	4	3	11	V	0.01	5	8.32	147
180970073	2011	4	3	12	V	0.01	4.2	9.1	153
180970073	2011	4	3	13	V	0.01	1.1	10.27	167
180970073	2011	4	3	14	V	0.005	0.8	12.01	173
180970073	2011	4	3	15	V	0.004	0.7	13.18	192
180970073	2011	4	3	16	V	0.004	0.8	13.38	201
180970073	2011	4	3	17	V	0.03	0.8	13.03	198
180970073	2011	4	3	18	V	0.03	0.9	12.36	203
180970073	2011	4	3	19	V	0.03	1	10.22	199
180970073	2011	4	3	20	V	0.03	0.8	8.35	194
180970073	2011	4	3	21	V	0.03	0.8	8.86	194
180970073	2011	4	3	22	V	0.03	1	11.45	204
180970073	2011	4	3	23	V	0.06	-999	12.86	215
180970073	2011	4	3	24	V	0.03	0.2	11.36	212
180970073	2011	4	4	1	V	1.0	0.6	11.57	221
180970073	2011	4	4	2	V	0.9	1.3	11.53	221
180970073	2011	4	4	3	V	0.9	2	11.94	221
180970073	2011	4	4	4	V	0.1	2.7	11.12	217
180970073	2011	4	4	5	V	0.09	2	11.97	216
180970073	2011	4	4	6	V	1.5	1.5	8.81	250
180970073	2011	4	4	7	V	0.2	0.8	7.89	220
180970073	2011	4	4	8	V	0.02	0.3	6.64	211
180970073	2011	4	4	9	V	0.03	0.6	5.87	216
180970073	2011	4	4	10	V	0.2	3.4	4.76	215
180970073	2011	4	4	11	V	20.9	1.2	3.91	234
180970073	2011	4	4	12	V	0.01	3.1	7.86	301
180970073	2011	4	4	13	V	0.01	0.1	8.05	304
180970073	2011	4	4	14	V	0.01	0	6.57	303
180970073	2011	4	4	15	V	0.04	0	4.71	287
180970073	2011	4	4	16	V	0.01	0	7.55	276
180970073	2011	4	4	17	V	0.03	0	8.15	290
180970073	2011	4	4	18	V	0.03	0	8.03	290
180970073	2011	4	4	19	V	0.03	0	7.89	290
180970073	2011	4	4	20	V	0.03	0	7.57	286
180970073	2011	4	4	21	V	0.03	0	7.42	284
180970073	2011	4	4	22	V	0.04	0	5.27	272
180970073	2011	4	4	23	V	0.03	0	6.45	284
180970073	2011	4	4	24	V	0.03	0	6.8	286
180970073	2011	4	5	1	V	0.03	0	6.79	293
180970073	2011	4	5	2	V	0.02	0	7.71	299
180970073	2011	4	5	3	V	0.02	0	7.14	307
180970073	2011	4	5	4	V	0.03	0	5.84	302
180970073	2011	4	5	5	V	0.03	0	5.68	295
180970073	2011	4	5	6	V	0.05	0	4.43	295

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	5	7	V	0.1	0	4.1	286
180970073	2011	4	5	8	V	0.1	0	4.36	289
180970073	2011	4	5	9	V	0.03	0	6.01	290
180970073	2011	4	5	10	V	0.04	0	5.75	298
180970073	2011	4	5	11	V	0.02	0	6.41	295
180970073	2011	4	5	12	V	0.01	0	7.52	294
180970073	2011	4	5	13	V	0.01	0	7.86	285
180970073	2011	4	5	14	V	0.01	0	8.35	281
180970073	2011	4	5	15	V	0.01	0	8.85	278
180970073	2011	4	5	16	V	0.01	0	8.79	274
180970073	2011	4	5	17	V	0.04	0	7.52	281
180970073	2011	4	5	18	V	0.08	0	6.89	269
180970073	2011	4	5	19	V	3.8	0	6.58	257
180970073	2011	4	5	20	V	20.0	2.8	4.49	236
180970073	2011	4	5	21	V	0.03	8.7	3.69	204
180970073	2011	4	5	22	V	0.03	1.2	3.68	183
180970073	2011	4	5	23	V	0.04	0.6	4.92	173
180970073	2011	4	5	24	V	0.03	0.1	5.46	170
180970073	2011	4	6	1	V	0.03	0.1	5.34	175
180970073	2011	4	6	2	V	0.02	0.1	5.41	179
180970073	2011	4	6	3	V	0.02	0.6	5.73	189
180970073	2011	4	6	4	V	0.03	0.3	6.07	195
180970073	2011	4	6	5	V	0.03	0.1	5.92	199
180970073	2011	4	6	6	V	0.02	0.4	6.84	212
180970073	2011	4	6	7	V	0.04	0.5	6.82	215
180970073	2011	4	6	8	V	0.1	1.6	7.2	218
180970073	2011	4	6	9	V	0.04	3.9	8.42	216
180970073	2011	4	6	10	V	0.06	6.4	9.51	217
180970073	2011	4	6	11	V	0.3	4.3	10.37	221
180970073	2011	4	6	12	V	2.7	2.3	11.58	228
180970073	2011	4	6	13	V	3.0	3.7	12.91	229
180970073	2011	4	6	14	V	2.2	3	11.24	227
180970073	2011	4	6	15	V	0.4	3.1	10.92	223
180970073	2011	4	6	16	V	0.07	4	10.56	220
180970073	2011	4	6	17	V	0.3	2.5	10.6	223
180970073	2011	4	6	18	V	0.7	5.1	8.5	220
180970073	2011	4	6	19	V	14.0	6.6	7.06	237
180970073	2011	4	6	20	V	15.7	13.7	5.07	237
180970073	2011	4	6	21	V	0.04	7.3	3.88	212
180970073	2011	4	6	22	V	0.04	7.7	3.42	215
180970073	2011	4	6	23	V	23.1	24.2	4.46	233
180970073	2011	4	6	24	V	1.9	0.9	3.61	241
180970073	2011	4	7	1	V	19.8	0.5	2.42	234
180970073	2011	4	7	2	V	22.4	0.3	1.28	236
180970073	2011	4	7	3	V	0.04	2.4	2.49	214
180970073	2011	4	7	4	V	0.04	1.3	2.72	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	7	5	V	0.03	0.2	4.49	29
180970073	2011	4	7	6	V	0.05	0.1	4.65	32
180970073	2011	4	7	7	V	0.1	0.1	4.27	41
180970073	2011	4	7	8	V	0.08	0.7	4.66	48
180970073	2011	4	7	9	V	0.09	0.7	4.65	49
180970073	2011	4	7	10	V	0.1	0.9	4.73	42
180970073	2011	4	7	11	V	0.05	0.4	5	50
180970073	2011	4	7	12	V	0.03	0.2	5.5	63
180970073	2011	4	7	13	V	0.04	0	5.41	68
180970073	2011	4	7	14	V	0.02	0	5.65	74
180970073	2011	4	7	15	V	0.02	0	5.62	69
180970073	2011	4	7	16	V	0.02	0.2	5.55	69
180970073	2011	4	7	17	V	0.04	0	7.2	56
180970073	2011	4	7	18	V	0.04	0	6.26	55
180970073	2011	4	7	19	V	0.04	0	6.96	56
180970073	2011	4	7	20	V	0.04	0	6.96	60
180970073	2011	4	7	21	V	0.04	0	6.21	59
180970073	2011	4	7	22	V	0.04	0	6.81	63
180970073	2011	4	7	23	V	0.03	0	7.18	73
180970073	2011	4	7	24	V	0.03	0	5.89	84
180970073	2011	4	8	1	V	0.02	0	6.99	101
180970073	2011	4	8	2	V	0.03	0	5.92	75
180970073	2011	4	8	3	V	0.03	0	6.57	19
180970073	2011	4	8	4	V	0.02	0	7.18	52
180970073	2011	4	8	5	V	0.03	0	5.58	67
180970073	2011	4	8	6	V	0.05	0	5.22	80
180970073	2011	4	8	7	V	0.3	0	3.03	89
180970073	2011	4	8	8	V	0.5	0	2.27	101
180970073	2011	4	8	9	V	0.4	0.1	2.71	122
180970073	2011	4	8	10	V	0.4	0.3	2.4	159
180970073	2011	4	8	11	V	2.2	2	2.35	214
180970073	2011	4	8	12	V	2.7	20.6	5.77	247
180970073	2011	4	8	13	V	0.1	4	6.19	267
180970073	2011	4	8	14	V	0.04	1.1	5.85	276
180970073	2011	4	8	15	V	0.04	0.8	5.79	289
180970073	2011	4	8	16	V	0.06	1	4.41	328
180970073	2011	4	8	17	V	0.02	0.5	4.94	337
180970073	2011	4	8	18	V	0.04	0.2	5.46	332
180970073	2011	4	8	19	V	0.03	0	4.97	346
180970073	2011	4	8	20	V	0.03	0	4.82	17
180970073	2011	4	8	21	V	0.04	0	4.68	27
180970073	2011	4	8	22	V	0.04	0	4.12	34
180970073	2011	4	8	23	V	0.03	0	3.37	52
180970073	2011	4	8	24	V	0.03	0	3.27	36
180970073	2011	4	9	1	V	0.03	0	2.52	70
180970073	2011	4	9	2	V	0.03	0	2.78	104

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	9	3	V	0.02	0	2.86	110
180970073	2011	4	9	4	V	0.02	0	3.32	115
180970073	2011	4	9	5	V	0.03	0	3.63	89
180970073	2011	4	9	6	V	0.06	0	3.58	95
180970073	2011	4	9	7	V	0.03	0	4.51	111
180970073	2011	4	9	8	V	0.05	0	4.27	106
180970073	2011	4	9	9	V	0.05	0	4.41	92
180970073	2011	4	9	10	V	0.2	0.3	2.67	194
180970073	2011	4	9	11	V	0.09	0.4	3.81	143
180970073	2011	4	9	12	V	0.01	0.3	7.42	21
180970073	2011	4	9	13	V	0.08	0.5	3.76	70
180970073	2011	4	9	14	V	0.1	1	3.61	103
180970073	2011	4	9	15	V	0.1	1.1	3.68	173
180970073	2011	4	9	16	V	0.1	0.6	3.66	188
180970073	2011	4	9	17	V	0.05	0.1	3.32	191
180970073	2011	4	9	18	V	0.02	0	3.58	182
180970073	2011	4	9	19	V	0.02	0	3.59	172
180970073	2011	4	9	20	V	0.03	0	2.81	138
180970073	2011	4	9	21	V	0.02	0	4.15	122
180970073	2011	4	9	22	V	0.02	0	4.41	137
180970073	2011	4	9	23	V	0.02	0	5.09	134
180970073	2011	4	9	24	V	0.02	0	5.85	136
180970073	2011	4	10	1	V	0.02	0	5.8	143
180970073	2011	4	10	2	V	0.02	0	4.87	145
180970073	2011	4	10	3	V	0.02	0.4	5.14	144
180970073	2011	4	10	4	V	0.02	0.4	5.36	144
180970073	2011	4	10	5	V	0.02	0	3.98	147
180970073	2011	4	10	6	V	0.05	0	3.74	144
180970073	2011	4	10	7	V	0.04	0	4.44	148
180970073	2011	4	10	8	V	0.02	0.2	5.67	156
180970073	2011	4	10	9	V	0.02	0.7	5.53	164
180970073	2011	4	10	10	V	0.02	0.6	5.39	177
180970073	2011	4	10	11	V	0.01	0.3	6.36	196
180970073	2011	4	10	12	V	0.9	0.4	9.56	226
180970073	2011	4	10	13	V	0.2	0.8	9.47	222
180970073	2011	4	10	14	V	0.3	1.4	9.76	223
180970073	2011	4	10	15	V	0.01	0.5	9.34	216
180970073	2011	4	10	16	V	0.004	0	9.83	208
180970073	2011	4	10	17	V	0.003	0	8.96	201
180970073	2011	4	10	18	V	0.02	0	10.07	209
180970073	2011	4	10	19	V	0.02	0	9.25	211
180970073	2011	4	10	20	V	0.03	0	8.42	214
180970073	2011	4	10	21	V	0.6	2.4	7.69	221
180970073	2011	4	10	22	V	0.08	1.2	8.85	217
180970073	2011	4	10	23	V	0.1	-999	10.02	218
180970073	2011	4	10	24	V	0.07	2.2	9.12	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	11	1	V	0.02	0.5	9.58	213
180970073	2011	4	11	2	V	1.5	2.2	11.33	224
180970073	2011	4	11	3	V	2.7	0	10.85	226
180970073	2011	4	11	4	V	3.0	2.3	10.68	242
180970073	2011	4	11	5	V	0.02	0	6.81	276
180970073	2011	4	11	6	V	0.02	0.1	5.09	189
180970073	2011	4	11	7	V	0.01	0.5	6.66	207
180970073	2011	4	11	8	V	0.4	2.4	5.96	220
180970073	2011	4	11	9	V	4.9	0.8	6.46	234
180970073	2011	4	11	10	V	0.3	0.3	6.67	222
180970073	2011	4	11	11	V	1.0	0.4	6.46	224
180970073	2011	4	11	12	V	5.3	2.2	6.18	229
180970073	2011	4	11	13	V	0.6	0.6	5.73	222
180970073	2011	4	11	14	V	5.2	1.2	4.46	227
180970073	2011	4	11	15	V	0.8	3.2	3.07	264
180970073	2011	4	11	16	V	0.01	2.3	5.55	274
180970073	2011	4	11	17	V	0.03	0	4.53	328
180970073	2011	4	11	18	V	0.03	0	4.61	337
180970073	2011	4	11	19	V	0.02	0	4.42	330
180970073	2011	4	11	20	V	0.02	0	3.39	360
180970073	2011	4	11	21	V	0.03	0	3.37	17
180970073	2011	4	11	22	V	0.03	0	5.24	15
180970073	2011	4	11	23	V	0.03	0	6.91	20
180970073	2011	4	11	24	V	0.03	0	6.91	12
180970073	2011	4	12	1	V	0.02	0	7.64	7
180970073	2011	4	12	2	V	0.02	0	7.91	9
180970073	2011	4	12	3	V	0.03	0	7.83	10
180970073	2011	4	12	4	V	0.03	0	7.13	6
180970073	2011	4	12	5	V	0.03	0	7.6	12
180970073	2011	4	12	6	V	0.01	0	8.33	18
180970073	2011	4	12	7	V	0.01	0	7.86	9
180970073	2011	4	12	8	V	0.01	0	7.57	7
180970073	2011	4	12	9	V	0.01	0	7.83	9
180970073	2011	4	12	10	V	0.02	0	7.35	4
180970073	2011	4	12	11	V	0.02	0	7.35	352
180970073	2011	4	12	12	V	0.02	0	6.79	12
180970073	2011	4	12	13	V	0.02	0	6.86	357
180970073	2011	4	12	14	V	0.02	0	6.45	347
180970073	2011	4	12	15	V	0.02	0	6.45	348
180970073	2011	4	12	16	V	0.01	0	6.18	341
180970073	2011	4	12	17	V	0.01	0	6.16	344
180970073	2011	4	12	18	V	0.03	0	5.75	338
180970073	2011	4	12	19	V	0.03	0	5.07	13
180970073	2011	4	12	20	V	0.03	0	4.07	18
180970073	2011	4	12	21	V	0.06	0	2.15	354
180970073	2011	4	12	22	V	0.06	0	2.33	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	12	23	V	0.03	0	4.73	335
180970073	2011	4	12	24	V	0.03	0	3.51	343
180970073	2011	4	13	1	V	0.04	0	2.73	10
180970073	2011	4	13	2	V	0.06	0	2.08	355
180970073	2011	4	13	3	V	0.09	0	1.79	10
180970073	2011	4	13	4	V	0.05	0	2.33	20
180970073	2011	4	13	5	V	0.1	0	1.52	341
180970073	2011	4	13	6	V	0.8	0	1.37	342
180970073	2011	4	13	7	V	1.2	0	1.4	358
180970073	2011	4	13	8	V	4.5	0.2	0.79	11
180970073	2011	4	13	9	V	21.7	0.5	1.18	235
180970073	2011	4	13	10	V	5.0	10.4	2.35	215
180970073	2011	4	13	11	V	2.6	16	1.96	209
180970073	2011	4	13	12	V	14.1	1.8	1.93	246
180970073	2011	4	13	13	V	2.1	0.7	2.06	266
180970073	2011	4	13	14	V	0.2	0	2.57	299
180970073	2011	4	13	15	V	0.2	0	2.16	324
180970073	2011	4	13	16	V	0.09	0	2.69	304
180970073	2011	4	13	17	V	0.02	0	2.64	306
180970073	2011	4	13	18	V	0.08	0	2.08	309
180970073	2011	4	13	19	V	0.1	0	1.99	312
180970073	2011	4	13	20	V	0.06	0	2.28	352
180970073	2011	4	13	21	V	0.05	0	2.76	2
180970073	2011	4	13	22	V	0.06	0	2.39	18
180970073	2011	4	13	23	V	0.07	0	2.04	34
180970073	2011	4	13	24	V	0.2	0	1.38	19
180970073	2011	4	14	1	V	0.7	0	0.86	358
180970073	2011	4	14	2	V	0.3	0	1.25	30
180970073	2011	4	14	3	V	0.3	0.1	1.25	57
180970073	2011	4	14	4	V	0.4	0.5	1.09	324
180970073	2011	4	14	5	V	0.2	0.5	1.35	39
180970073	2011	4	14	6	V	1.6	0.7	0.97	58
180970073	2011	4	14	7	V	0.8	1.3	1.71	23
180970073	2011	4	14	8	V	0.5	1.1	2.33	45
180970073	2011	4	14	9	V	0.4	0.5	2.86	91
180970073	2011	4	14	10	V	0.2	0	3.54	117
180970073	2011	4	14	11	V	0.08	0.8	4.03	125
180970073	2011	4	14	12	V	0.04	0	5.02	118
180970073	2011	4	14	13	V	0.04	0	4.97	111
180970073	2011	4	14	14	V	0.03	0	4.88	111
180970073	2011	4	14	15	V	0.02	0	5.58	102
180970073	2011	4	14	16	V	0.02	0	6.01	110
180970073	2011	4	14	17	V	0.01	0	5.84	112
180970073	2011	4	14	18	V	0.03	0	6.86	100
180970073	2011	4	14	19	V	0.03	0	6.14	95
180970073	2011	4	14	20	V	0.03	0	4.46	92

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	14	21	V	0.03	0	4.26	87
180970073	2011	4	14	22	V	0.03	0.3	7.69	65
180970073	2011	4	14	23	V	0.03	0.1	7.57	66
180970073	2011	4	14	24	V	0.03	0	7.59	65
180970073	2011	4	15	1	V	0.03	0	7.72	66
180970073	2011	4	15	2	V	0.03	0	7.54	70
180970073	2011	4	15	3	V	0.03	0	6.72	69
180970073	2011	4	15	4	V	0.03	0	6.79	71
180970073	2011	4	15	5	V	0.03	0	7.35	72
180970073	2011	4	15	6	V	0.01	0	7.89	75
180970073	2011	4	15	7	V	0.01	0	7.72	81
180970073	2011	4	15	8	V	0.01	0.9	8.35	88
180970073	2011	4	15	9	V	0.01	1.9	8.59	91
180970073	2011	4	15	10	V	0.01	2	7.6	89
180970073	2011	4	15	11	V	0.01	2	7.6	95
180970073	2011	4	15	12	V	0.01	2	7.48	102
180970073	2011	4	15	13	V	0.01	2.1	7.06	137
180970073	2011	4	15	14	V	0.03	1	5.19	123
180970073	2011	4	15	15	V	0.01	0.3	6.94	118
180970073	2011	4	15	16	V	0.01	0	8.34	134
180970073	2011	4	15	17	V	0.03	0	10.75	134
180970073	2011	4	15	18	V	0.03	0.1	9.97	132
180970073	2011	4	15	19	V	0.03	0	10.1	125
180970073	2011	4	15	20	V	0.03	0	8.74	130
180970073	2011	4	15	21	V	0.03	0	9.22	142
180970073	2011	4	15	22	V	0.03	0	9.27	145
180970073	2011	4	15	23	V	0.03	0	9.32	161
180970073	2011	4	15	24	V	0.03	0	5.7	191
180970073	2011	4	16	1	V	0.03	0	4.85	147
180970073	2011	4	16	2	V	0.03	0	5.67	128
180970073	2011	4	16	3	V	0.03	0	5.72	149
180970073	2011	4	16	4	V	0.03	0	5.43	168
180970073	2011	4	16	5	V	0.02	0	6.48	195
180970073	2011	4	16	6	V	0.02	0	6.86	216
180970073	2011	4	16	7	V	5.3	0	7.08	234
180970073	2011	4	16	8	V	4.4	8.3	6.91	228
180970073	2011	4	16	9	V	0.9	5.4	7.94	224
180970073	2011	4	16	10	V	6.3	13.1	8.61	231
180970073	2011	4	16	11	V	5.3	3	9.61	231
180970073	2011	4	16	12	V	1.1	4.6	10.1	241
180970073	2011	4	16	13	V	4.6	2.3	10.03	235
180970073	2011	4	16	14	V	3.8	4.6	9.68	229
180970073	2011	4	16	15	V	3.1	8.3	9.2	228
180970073	2011	4	16	16	V	0.7	4.1	10.99	243
180970073	2011	4	16	17	V	0.2	0.5	11.63	267
180970073	2011	4	16	18	V	0.06	0	10.8	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	16	19	V	0.05	0	10.03	271
180970073	2011	4	16	20	V	0.06	0	8.76	270
180970073	2011	4	16	21	V	0.08	0	8.96	269
180970073	2011	4	16	22	V	0.04	0	8.81	272
180970073	2011	4	16	23	V	6.6	0	6.48	252
180970073	2011	4	16	24	V	17.6	1.4	6.12	234
180970073	2011	4	17	1	V	18.5	2.9	6.24	232
180970073	2011	4	17	2	V	17.4	3	6.92	231
180970073	2011	4	17	3	V	14.0	16.6	6.13	230
180970073	2011	4	17	4	V	13.0	5.9	5.14	230
180970073	2011	4	17	5	V	14.7	2.6	5.02	232
180970073	2011	4	17	6	V	7.0	5.8	6.19	232
180970073	2011	4	17	7	V	5.3	9.3	6.4	237
180970073	2011	4	17	8	V	7.0	3.5	6.55	235
180970073	2011	4	17	9	V	1.3	6.7	8.11	246
180970073	2011	4	17	10	V	2.0	7.4	8.49	252
180970073	2011	4	17	11	V	1.3	1.9	9.05	255
180970073	2011	4	17	12	V	0.6	0.3	9.32	259
180970073	2011	4	17	13	V	0.04	0.2	8.95	267
180970073	2011	4	17	14	V	0.08	0.1	9.2	265
180970073	2011	4	17	15	V	0.06	0.1	8.37	265
180970073	2011	4	17	16	V	1.4	0	7.79	256
180970073	2011	4	17	17	V	1.8	0.2	7.86	255
180970073	2011	4	17	18	V	0.08	0.6	6.86	269
180970073	2011	4	17	19	V	0.03	0.1	4.07	312
180970073	2011	4	17	20	V	0.04	0	2.62	336
180970073	2011	4	17	21	V	0.05	0	2.42	11
180970073	2011	4	17	22	V	0.1	0.3	1.69	73
180970073	2011	4	17	23	V	0.1	-999	1.79	91
180970073	2011	4	17	24	V	0.03	0.2	3.86	125
180970073	2011	4	18	1	V	0.03	0	3.36	99
180970073	2011	4	18	2	V	0.03	0	2.86	59
180970073	2011	4	18	3	V	0.04	0	2.36	68
180970073	2011	4	18	4	V	0.03	0	3.36	87
180970073	2011	4	18	5	V	0.03	0	2.86	134
180970073	2011	4	18	6	V	0.1	0.5	2.86	348
180970073	2011	4	18	7	C	-999	0.4	0	0
180970073	2011	4	18	8	V	0.7	1.6	3.36	212
180970073	2011	4	18	9	V	5.6	5.7	7.46	228
180970073	2011	4	18	10	V	5.5	7.2	8.96	234
180970073	2011	4	18	11	V	1.2	1.1	9.06	254
180970073	2011	4	18	12	V	0.9	2.4	8.46	257
180970073	2011	4	18	13	V	0.01	2.1	7.96	275
180970073	2011	4	18	14	V	16.2	3.4	5.36	235
180970073	2011	4	18	15	V	3.7	3.9	5.36	254
180970073	2011	4	18	16	V	0.2	7.3	4.36	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	18	17	V	0.3	4.3	4.86	261
180970073	2011	4	18	18	V	0.04	0	6.46	35
180970073	2011	4	18	19	V	0.03	0	6.96	39
180970073	2011	4	18	20	V	0.03	0	7.96	29
180970073	2011	4	18	21	V	0.03	0	7.46	49
180970073	2011	4	18	22	V	0.04	0	5.36	59
180970073	2011	4	18	23	V	0.03	0	6.46	73
180970073	2011	4	18	24	V	0.03	0	7.46	80
180970073	2011	4	19	1	V	0.03	0	5.36	55
180970073	2011	4	19	2	V	0.03	0	3.86	49
180970073	2011	4	19	3	V	0.03	0	5.36	49
180970073	2011	4	19	4	V	0.03	0	5.96	60
180970073	2011	4	19	5	V	0.03	0	5.96	40
180970073	2011	4	19	6	V	0.01	0	6.96	25
180970073	2011	4	19	7	V	0.01	0	8.96	36
180970073	2011	4	19	8	V	0.02	0	6.46	85
180970073	2011	4	19	9	V	0.02	0	6.96	93
180970073	2011	4	19	10	V	0.01	0	6.46	87
180970073	2011	4	19	11	V	0.04	0	4.86	47
180970073	2011	4	19	12	V	0.02	0	6.46	128
180970073	2011	4	19	13	V	0.04	0	4.86	111
180970073	2011	4	19	14	V	0.2	0	2.36	116
180970073	2011	4	19	15	V	0.1	0	3.86	126
180970073	2011	4	19	16	V	0.01	0	6.96	168
180970073	2011	4	19	17	V	0.04	0	7.46	170
180970073	2011	4	19	18	V	0.04	0	5.96	166
180970073	2011	4	19	19	V	0.04	0	4.86	163
180970073	2011	4	19	20	V	0.04	0	3.4	156
180970073	2011	4	19	21	V	0.04	0	5.46	160
180970073	2011	4	19	22	V	1.1	0	7.57	221
180970073	2011	4	19	23	V	17.8	0	4.14	230
180970073	2011	4	19	24	V	4.3	0	6.4	243
180970073	2011	4	20	1	V	0.03	0.3	6.3	188
180970073	2011	4	20	2	V	0.03	0	9.53	171
180970073	2011	4	20	3	V	14.1	0	8.86	232
180970073	2011	4	20	4	V	0.03	0	9.66	274
180970073	2011	4	20	5	V	0.06	0	9.53	270
180970073	2011	4	20	6	V	0.004	0	8.61	273
180970073	2011	4	20	7	V	0.002	0	8.66	278
180970073	2011	4	20	8	V	0.002	0	8.81	276
180970073	2011	4	20	9	V	0.002	0	7.76	279
180970073	2011	4	20	10	V	0.002	0	7.54	284
180970073	2011	4	20	11	V	0.003	0	7.96	281
180970073	2011	4	20	12	V	0.003	0	7.4	279
180970073	2011	4	20	13	V	0.003	0	7.08	277
180970073	2011	4	20	14	V	0.003	0	7.11	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	20	15	V	0.003	0	6.8	276
180970073	2011	4	20	16	V	0.003	0	6.84	278
180970073	2011	4	20	17	V	0.02	0	6.3	274
180970073	2011	4	20	18	V	0.02	0	5.68	281
180970073	2011	4	20	19	V	0.02	0	5.82	282
180970073	2011	4	20	20	V	0.02	0	5.05	286
180970073	2011	4	20	21	V	0.02	0	4.49	288
180970073	2011	4	20	22	V	0.02	0	4.12	301
180970073	2011	4	20	23	V	0.02	0	3.29	302
180970073	2011	4	20	24	V	0.02	0	2.74	298
180970073	2011	4	21	1	V	0.02	0	3.85	326
180970073	2011	4	21	2	V	0.02	0	2.76	331
180970073	2011	4	21	3	V	0.08	0	1.65	290
180970073	2011	4	21	4	V	0.07	0	1.84	302
180970073	2011	4	21	5	V	0.1	0	1.47	333
180970073	2011	4	21	6	V	0.4	0	1.6	315
180970073	2011	4	21	7	V	0.4	0	1.89	351
180970073	2011	4	21	8	V	0.3	0	1.91	34
180970073	2011	4	21	9	V	0.1	0	2.4	44
180970073	2011	4	21	10	V	0.04	0	4.09	54
180970073	2011	4	21	11	V	0.02	0	5.05	44
180970073	2011	4	21	12	V	0.03	0	4.44	94
180970073	2011	4	21	13	V	0.03	0	4.77	105
180970073	2011	4	21	14	V	0.02	0	4.92	96
180970073	2011	4	21	15	V	0.01	0	5.05	87
180970073	2011	4	21	16	V	0.01	0	5.41	96
180970073	2011	4	21	17	V	0.01	0	6.45	93
180970073	2011	4	21	18	V	0.02	0	7.57	109
180970073	2011	4	21	19	V	0.02	0	6.69	116
180970073	2011	4	21	20	V	0.02	0	5.14	106
180970073	2011	4	21	21	V	0.02	0	4.65	102
180970073	2011	4	21	22	V	0.02	0	4.53	103
180970073	2011	4	21	23	V	0.02	0	5.65	101
180970073	2011	4	21	24	V	0.02	0	6.4	86
180970073	2011	4	22	1	V	0.02	0	4.83	56
180970073	2011	4	22	2	V	0.02	0	5.94	65
180970073	2011	4	22	3	V	0.02	0	6.7	69
180970073	2011	4	22	4	V	0.02	0	6.61	81
180970073	2011	4	22	5	V	0.02	1.3	7.96	100
180970073	2011	4	22	6	V	0.01	1	5.96	97
180970073	2011	4	22	7	V	0.01	0.4	5.96	115
180970073	2011	4	22	8	V	0.01	0.2	8.46	121
180970073	2011	4	22	9	V	0.01	0	6.96	96
180970073	2011	4	22	10	V	0.04	0.2	4.86	124
180970073	2011	4	22	11	V	0.01	0.4	5.96	119
180970073	2011	4	22	12	V	0.02	1.1	4.86	121

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	22	13	V	0.04	1.5	4.36	115
180970073	2011	4	22	14	V	0.3	1.9	1.76	44
180970073	2011	4	22	15	V	0.1	0.7	2.36	120
180970073	2011	4	22	16	V	0.01	0.2	5.36	71
180970073	2011	4	22	17	V	0.02	0	7.46	139
180970073	2011	4	22	18	V	0.02	0	6.96	153
180970073	2011	4	22	19	V	0.02	0	4.86	159
180970073	2011	4	22	20	V	0.02	0	5.96	164
180970073	2011	4	22	21	V	0.02	0	5.96	166
180970073	2011	4	22	22	V	0.03	0	4.86	158
180970073	2011	4	22	23	V	0.02	0	3.36	184
180970073	2011	4	22	24	V	0.01	0	9.56	207
180970073	2011	4	23	1	V	0.02	0	7.46	206
180970073	2011	4	23	2	V	0.01	0	7.96	210
180970073	2011	4	23	3	V	0.02	0	6.96	210
180970073	2011	4	23	4	V	3.1	0	6.46	227
180970073	2011	4	23	5	V	5.9	2.5	5.96	230
180970073	2011	4	23	6	V	0.4	2.5	4.86	221
180970073	2011	4	23	7	V	5.1	1.5	3.86	240
180970073	2011	4	23	8	V	0.07	4.3	3.86	295
180970073	2011	4	23	9	V	0.3	2.6	4.86	218
180970073	2011	4	23	10	V	3.6	4.4	5.36	241
180970073	2011	4	23	11	V	2.3	4.9	7.96	228
180970073	2011	4	23	12	V	4.3	4.2	5.36	240
180970073	2011	4	23	13	V	1.2	2.2	7.96	242
180970073	2011	4	23	14	V	0.02	4.6	6.46	217
180970073	2011	4	23	15	V	0.9	9.1	7.96	241
180970073	2011	4	23	16	V	1.1	6	10.06	239
180970073	2011	4	23	17	V	4.3	4.7	6.46	231
180970073	2011	4	23	18	V	4.6	1.1	2.86	239
180970073	2011	4	23	19	V	0.03	4.1	4.86	216
180970073	2011	4	23	20	V	0.03	7.3	3.36	195
180970073	2011	4	23	21	V	0.03	1.7	3.36	197
180970073	2011	4	23	22	V	12.5	2	3.36	230
180970073	2011	4	23	23	V	0.02	8.5	3.86	202
180970073	2011	4	23	24	C	-999	0.9	0	0
180970073	2011	4	24	1	V	0.05	0.2	1.76	34
180970073	2011	4	24	2	V	0.02	0.4	2.36	22
180970073	2011	4	24	3	V	0.02	0.1	2.36	21
180970073	2011	4	24	4	V	0.02	0	4.36	346
180970073	2011	4	24	5	V	0.02	0	5.36	7
180970073	2011	4	24	6	V	0.06	0	3.36	31
180970073	2011	4	24	7	V	0.07	0	3.86	36
180970073	2011	4	24	8	V	0.3	0	2.86	21
180970073	2011	4	24	9	V	0.1	0	3.86	36
180970073	2011	4	24	10	V	0.07	0	4.36	38

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	24	11	V	0.5	0	1.76	66
180970073	2011	4	24	12	V	0.2	0	2.86	163
180970073	2011	4	24	13	C	-999	0	0	0
180970073	2011	4	24	14	V	0.3	0	1.76	32
180970073	2011	4	24	15	C	-999	0	0	0
180970073	2011	4	24	16	V	0.07	0	2.86	320
180970073	2011	4	24	17	C	-999	0	0	0
180970073	2011	4	24	18	C	-999	0	0	0
180970073	2011	4	24	19	V	0.08	0	1.76	51
180970073	2011	4	24	20	V	0.04	0	2.36	119
180970073	2011	4	24	21	V	0.04	0	2.86	88
180970073	2011	4	24	22	V	0.04	0	2.36	100
180970073	2011	4	24	23	V	0.08	-999	1.76	85
180970073	2011	4	24	24	V	0.08	0	1.76	80
180970073	2011	4	25	1	V	0.03	0	2.56	106
180970073	2011	4	25	2	V	0.06	0	2.03	128
180970073	2011	4	25	3	V	0.3	0	1.18	130
180970073	2011	4	25	4	V	0.2	0	1.37	86
180970073	2011	4	25	5	V	0.04	0	2.16	96
180970073	2011	4	25	6	V	0.1	0	3.12	88
180970073	2011	4	25	7	V	0.2	0	2.78	123
180970073	2011	4	25	8	V	0.7	0	1.77	122
180970073	2011	4	25	9	V	0.5	0	2.3	99
180970073	2011	4	25	10	V	0.6	0	2.08	86
180970073	2011	4	25	11	V	0.3	0	2.84	76
180970073	2011	4	25	12	V	0.2	0	3.13	32
180970073	2011	4	25	13	V	0.09	0	4.25	328
180970073	2011	4	25	14	V	0.2	0	3.05	340
180970073	2011	4	25	15	V	9.5	0	2.59	248
180970073	2011	4	25	16	V	0.1	8.2	4.03	213
180970073	2011	4	25	17	V	0.02	0.9	4.07	182
180970073	2011	4	25	18	V	0.04	0.7	3.41	203
180970073	2011	4	25	19	V	0.05	0	2.42	129
180970073	2011	4	25	20	V	0.04	0	3.57	111
180970073	2011	4	25	21	V	0.03	0	3.63	120
180970073	2011	4	25	22	V	0.03	0	3.8	110
180970073	2011	4	25	23	V	0.03	0	4.39	103
180970073	2011	4	25	24	V	0.03	0	6.16	120
180970073	2011	4	26	1	V	0.02	0	7.28	124
180970073	2011	4	26	2	V	0.02	1.5	7.48	130
180970073	2011	4	26	3	V	0.02	9.4	8.52	139
180970073	2011	4	26	4	V	0.02	1.1	9.75	151
180970073	2011	4	26	5	V	0.02	0	9.97	189
180970073	2011	4	26	6	V	0.01	0	7.43	195
180970073	2011	4	26	7	V	0.01	0	9.71	207
180970073	2011	4	26	8	V	0.01	0	7.6	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	26	9	V	0.01	0	9.22	187
180970073	2011	4	26	10	V	0.01	0	9.88	185
180970073	2011	4	26	11	V	0.01	0	9.8	185
180970073	2011	4	26	12	V	0.01	-999	9.56	191
180970073	2011	4	26	13	V	0.01	-999	10.29	196
180970073	2011	4	26	14	V	0.01	0	10.44	199
180970073	2011	4	26	15	V	0.01	0	9.9	186
180970073	2011	4	26	16	V	0.01	0	9.81	187
180970073	2011	4	26	17	V	0.01	0	10.1	187
180970073	2011	4	26	18	V	0.03	0	8.47	200
180970073	2011	4	26	19	V	0.03	0	7.91	211
180970073	2011	4	26	20	V	0.03	0	5.79	197
180970073	2011	4	26	21	V	0.03	0	3.25	182
180970073	2011	4	26	22	V	0.03	0	2.88	147
180970073	2011	4	26	23	V	0.03	0	3.35	143
180970073	2011	4	26	24	V	0.03	0	2.81	146
180970073	2011	4	27	1	V	0.03	0	4	136
180970073	2011	4	27	2	V	0.03	0	6.52	159
180970073	2011	4	27	3	V	0.03	0	5.04	136
180970073	2011	4	27	4	V	0.03	0	5.27	110
180970073	2011	4	27	5	V	0.03	0	6.07	115
180970073	2011	4	27	6	V	0.01	0	6.35	136
180970073	2011	4	27	7	V	0.02	0	6.87	148
180970073	2011	4	27	8	V	0.03	0	6.11	175
180970073	2011	4	27	9	V	0.01	0	7.3	198
180970073	2011	4	27	10	V	0.03	0	9.44	217
180970073	2011	4	27	11	V	0.9	2.9	9.71	224
180970073	2011	4	27	12	V	3.0	6.6	8.93	227
180970073	2011	4	27	13	V	0.9	0.6	6.24	222
180970073	2011	4	27	14	V	1.0	7.8	4.22	220
180970073	2011	4	27	15	V	0.9	17.9	3.37	263
180970073	2011	4	27	16	V	0.3	3.8	1.79	337
180970073	2011	4	27	17	V	0.02	0	2.05	19
180970073	2011	4	27	18	V	0.04	0	3.41	105
180970073	2011	4	27	19	V	0.04	0	3.49	155
180970073	2011	4	27	20	V	0.04	0	5.41	141
180970073	2011	4	27	21	V	0.04	0	4.71	135
180970073	2011	4	27	22	V	0.04	0	4.83	153
180970073	2011	4	27	23	V	0.03	1.1	7.5	168
180970073	2011	4	27	24	V	0.02	0	15.81	288
180970073	2011	4	28	1	V	0.02	0	13.47	280
180970073	2011	4	28	2	V	0.02	0	11.94	278
180970073	2011	4	28	3	V	0.2	0	8.27	267
180970073	2011	4	28	4	V	6.4	0	6.91	252
180970073	2011	4	28	5	V	10.4	5.4	5.58	237
180970073	2011	4	28	6	V	1.1	8.8	5.41	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	28	7	V	0.08	1.8	5.21	211
180970073	2011	4	28	8	V	0.1	6.7	7.49	220
180970073	2011	4	28	9	V	6.0	12.5	8.88	231
180970073	2011	4	28	10	V	4.3	19.9	9.07	229
180970073	2011	4	28	11	V	5.9	8.4	8.71	233
180970073	2011	4	28	12	V	4.0	0.6	10.58	231
180970073	2011	4	28	13	V	1.7	0	11.7	239
180970073	2011	4	28	14	V	4.5	0.3	11.06	235
180970073	2011	4	28	15	V	1.7	1	9.68	251
180970073	2011	4	28	16	V	1.0	0.6	9.2	245
180970073	2011	4	28	17	V	0.4	0	8.95	260
180970073	2011	4	28	18	V	0.03	0	10.82	277
180970073	2011	4	28	19	V	0.03	0	9.03	291
180970073	2011	4	28	20	V	0.03	0	7.21	298
180970073	2011	4	28	21	V	0.03	0	6.69	292
180970073	2011	4	28	22	V	0.04	0	4.7	297
180970073	2011	4	28	23	V	0.03	0	3.12	300
180970073	2011	4	28	24	V	0.03	0	3.63	294
180970073	2011	4	29	1	V	0.2	0	2.72	263
180970073	2011	4	29	2	V	13.8	0	3.05	251
180970073	2011	4	29	3	V	0.03	0	2.96	269
180970073	2011	4	29	4	V	0.03	0	3.32	286
180970073	2011	4	29	5	V	0.04	0	3.64	298
180970073	2011	4	29	6	V	0.06	0	4.29	307
180970073	2011	4	29	7	V	0.06	0	4.94	314
180970073	2011	4	29	8	V	0.03	0	6.01	322
180970073	2011	4	29	9	V	0.03	0	6.11	325
180970073	2011	4	29	10	V	0.06	0	4.99	321
180970073	2011	4	29	11	V	0.1	0	3.78	346
180970073	2011	4	29	12	V	0.2	0.3	2.98	323
180970073	2011	4	29	13	V	0.5	0.1	2.08	318
180970073	2011	4	29	14	V	0.4	0	2.2	314
180970073	2011	4	29	15	V	0.4	0	2.06	319
180970073	2011	4	29	16	V	0.3	0	2.25	279
180970073	2011	4	29	17	V	1.2	0	1.14	273
180970073	2011	4	29	18	V	0.4	0	1.08	204
180970073	2011	4	29	19	V	12.1	0	0.96	225
180970073	2011	4	29	20	V	0.4	10.6	1.06	143
180970073	2011	4	29	21	V	0.1	9.7	1.59	88
180970073	2011	4	29	22	V	0.03	3.8	3	109
180970073	2011	4	29	23	V	0.02	0.3	3.22	124
180970073	2011	4	29	24	V	0.01	0	3.23	115
180970073	2011	4	30	1	V	0.01	0	3.44	112
180970073	2011	4	30	2	V	0.01	0	3.73	100
180970073	2011	4	30	3	V	0.01	0	3.44	106
180970073	2011	4	30	4	V	0.01	0	3.4	110

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	4	30	5	V	0.02	0	3.52	112
180970073	2011	4	30	6	V	0.01	0	4.9	113
180970073	2011	4	30	7	V	0.01	13.3	5.8	124
180970073	2011	4	30	8	V	0.01	7.2	6.3	126
180970073	2011	4	30	9	V	0.004	2.2	7.77	130
180970073	2011	4	30	10	V	0.003	1.3	8.81	133
180970073	2011	4	30	11	V	0.003	1.2	8.83	130
180970073	2011	4	30	12	V	0.003	1.7	8.51	136
180970073	2011	4	30	13	V	0.003	1.1	9.29	136
180970073	2011	4	30	14	V	0.002	1.2	9.12	139
180970073	2011	4	30	15	V	0.002	3.1	9.68	154
180970073	2011	4	30	16	V	0.002	0	8.79	157
180970073	2011	4	30	17	V	0.002	0	8.15	154
180970073	2011	4	30	18	V	0.01	0	7.35	162
180970073	2011	4	30	19	V	0.01	0	5.79	170
180970073	2011	4	30	20	V	0.01	0	5.43	165
180970073	2011	4	30	21	V	0.01	0	4.39	154
180970073	2011	4	30	22	V	0.01	0	5.53	157
180970073	2011	4	30	23	V	0.01	0	3.47	177
180970073	2011	4	30	24	V	0.01	0	3.37	172
180970073	2011	5	1	1	V	0.01	0	4.59	182
180970073	2011	5	1	2	V	0.01	0	3.69	187
180970073	2011	5	1	3	V	0.02	0	5.87	219
180970073	2011	5	1	4	V	0.01	0	3.78	199
180970073	2011	5	1	5	V	0.02	0	3.74	205
180970073	2011	5	1	6	V	0.03	0	3.81	187
180970073	2011	5	1	7	V	0.04	0	3.66	186
180970073	2011	5	1	8	V	0.3	0	3.46	216
180970073	2011	5	1	9	V	0.06	0	3.56	202
180970073	2011	5	1	10	V	0.01	0	5.05	212
180970073	2011	5	1	11	V	1.4	0	4.39	226
180970073	2011	5	1	12	V	2.4	0	3.2	237
180970073	2011	5	1	13	V	0.8	0	3.3	222
180970073	2011	5	1	14	V	0.02	0.4	3.51	202
180970073	2011	5	1	15	V	0.02	0.6	3.61	199
180970073	2011	5	1	16	V	0.01	0	3.85	204
180970073	2011	5	1	17	V	0.004	0	5.36	324
180970073	2011	5	1	18	V	0.01	0	4.46	338
180970073	2011	5	1	19	V	0.01	0	5.34	308
180970073	2011	5	1	20	V	0.01	0	5.89	308
180970073	2011	5	1	21	V	0.01	0	4.22	354
180970073	2011	5	1	22	V	0.02	0	3.25	35
180970073	2011	5	1	23	V	0.03	-999	1.76	47
180970073	2011	5	1	24	V	0.02	0	2.27	351
180970073	2011	5	2	1	V	0.02	0	4.22	291
180970073	2011	5	2	2	V	0.02	0	4.07	340

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	2	3	V	0.02	0	4.2	15
180970073	2011	5	2	4	V	0.02	0	3.9	21
180970073	2011	5	2	5	V	0.03	0	4.03	8
180970073	2011	5	2	6	V	0.02	0	5.36	358
180970073	2011	5	2	7	V	0.02	0	5.38	7
180970073	2011	5	2	8	V	0.02	0	5.73	16
180970073	2011	5	2	9	V	0.02	0	5.77	47
180970073	2011	5	2	10	V	0.07	0	4.56	47
180970073	2011	5	2	11	V	0.2	0	3.1	36
180970073	2011	5	2	12	V	0.2	0	3.25	15
180970073	2011	5	2	13	V	0.2	0	3.4	360
180970073	2011	5	2	14	V	0.2	0	3.69	8
180970073	2011	5	2	15	V	0.08	0	4.12	3
180970073	2011	5	2	16	V	0.09	0	2.91	8
180970073	2011	5	2	17	V	0.02	0	2.5	19
180970073	2011	5	2	18	V	0.05	0	3.1	9
180970073	2011	5	2	19	V	0.04	0	3.85	10
180970073	2011	5	2	20	V	0.05	0	2.98	360
180970073	2011	5	2	21	V	0.05	0	3.01	17
180970073	2011	5	2	22	V	0.04	0	3.32	47
180970073	2011	5	2	23	V	0.04	0	3.95	17
180970073	2011	5	2	24	V	0.04	0	3.51	36
180970073	2011	5	3	1	V	0.03	0	3.13	31
180970073	2011	5	3	2	V	0.03	0	4.1	40
180970073	2011	5	3	3	V	0.03	0	3.13	12
180970073	2011	5	3	4	V	0.03	0	3.3	352
180970073	2011	5	3	5	V	0.04	0	3.32	4
180970073	2011	5	3	6	V	0.3	0	2.01	9
180970073	2011	5	3	7	V	0.3	0	2.57	2
180970073	2011	5	3	8	V	0.5	0	2.28	340
180970073	2011	5	3	9	V	0.4	0	2.56	326
180970073	2011	5	3	10	V	1.1	0	1.57	297
180970073	2011	5	3	11	V	0.7	0	2.05	285
180970073	2011	5	3	12	V	0.5	0	2.66	280
180970073	2011	5	3	13	V	0.2	0	3.73	309
180970073	2011	5	3	14	V	0.05	0	5.43	315
180970073	2011	5	3	15	V	0.03	0	5.24	323
180970073	2011	5	3	16	V	0.03	0	5.07	289
180970073	2011	5	3	17	V	0.01	0	5.48	290
180970073	2011	5	3	18	V	0.04	0	4.39	281
180970073	2011	5	3	19	V	0.04	0	4.27	287
180970073	2011	5	3	20	V	0.04	0	4.82	295
180970073	2011	5	3	21	V	0.04	0	6.69	298
180970073	2011	5	3	22	V	0.03	0	5.91	301
180970073	2011	5	3	23	V	0.03	0	4.04	285
180970073	2011	5	3	24	V	0.02	0	4.19	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	4	1	V	0.03	0	4.15	271
180970073	2011	5	4	2	V	0.03	0	5.5	303
180970073	2011	5	4	3	V	0.02	0	6.65	325
180970073	2011	5	4	4	V	0.03	0	7.65	330
180970073	2011	5	4	5	V	0.03	0	7.35	336
180970073	2011	5	4	6	V	0.01	0	7.03	338
180970073	2011	5	4	7	V	0.02	0	6.74	337
180970073	2011	5	4	8	V	0.01	0	7.18	338
180970073	2011	5	4	9	V	0.02	0	7.38	347
180970073	2011	5	4	10	V	0.02	0	7.03	354
180970073	2011	5	4	11	V	0.03	0	6.19	343
180970073	2011	5	4	12	V	0.02	0	5.43	339
180970073	2011	5	4	13	V	0.04	0	4.61	328
180970073	2011	5	4	14	V	0.02	0	5.41	312
180970073	2011	5	4	15	V	0.02	0	5.09	309
180970073	2011	5	4	16	V	0.02	0	5.44	303
180970073	2011	5	4	17	V	0.01	0	5.14	311
180970073	2011	5	4	18	V	0.03	0	3.95	304
180970073	2011	5	4	19	V	4.0	0	1.14	261
180970073	2011	5	4	20	V	28.8	0	1.42	230
180970073	2011	5	4	21	V	0.1	0	1.84	200
180970073	2011	5	4	22	V	1.2	0	2.86	241
180970073	2011	5	4	23	V	1.1	0	3.1	244
180970073	2011	5	4	24	V	2.7	0	2.11	242
180970073	2011	5	5	1	V	0.2	0	1.4	275
180970073	2011	5	5	2	V	1.3	0	1.65	262
180970073	2011	5	5	3	V	1.5	0	2.4	243
180970073	2011	5	5	4	V	0.2	0	1.64	267
180970073	2011	5	5	5	V	0.06	0	1.77	65
180970073	2011	5	5	6	V	3.6	0.1	0.55	121
180970073	2011	5	5	7	V	9.8	0.4	0.92	252
180970073	2011	5	5	8	V	1.4	0.6	1.25	143
180970073	2011	5	5	9	V	0.4	0	2.52	167
180970073	2011	5	5	10	V	0.1	0	3.73	175
180970073	2011	5	5	11	V	0.04	0	4.71	175
180970073	2011	5	5	12	V	0.04	0.1	4.83	182
180970073	2011	5	5	13	V	0.04	2	4.8	172
180970073	2011	5	5	14	V	0.03	0	4.88	200
180970073	2011	5	5	15	V	0.03	0	4.82	187
180970073	2011	5	5	16	V	0.03	0	4.68	204
180970073	2011	5	5	17	V	0.01	0	5.19	190
180970073	2011	5	5	18	V	0.03	0	4.83	184
180970073	2011	5	5	19	V	0.03	0	4.46	177
180970073	2011	5	5	20	V	0.03	0	4.02	176
180970073	2011	5	5	21	V	0.04	0	3.8	185
180970073	2011	5	5	22	V	0.04	0	3.01	197

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	5	23	V	0.03	0	3.54	186
180970073	2011	5	5	24	V	0.03	0	3.51	186
180970073	2011	5	6	1	V	0.03	0.7	3.51	276
180970073	2011	5	6	2	V	0.03	2	2.69	303
180970073	2011	5	6	3	V	0.03	0.3	3.01	310
180970073	2011	5	6	4	V	0.2	0	1.14	323
180970073	2011	5	6	5	C	-999	0	0	0
180970073	2011	5	6	6	V	10.8	0	1.59	249
180970073	2011	5	6	7	V	0.3	0	2.44	206
180970073	2011	5	6	8	V	11.8	0.3	3.07	246
180970073	2011	5	6	9	V	1.7	0.2	3.74	264
180970073	2011	5	6	10	V	1.2	0.1	3.98	266
180970073	2011	5	6	11	V	9.3	0	3.35	247
180970073	2011	5	6	12	V	7.8	0.5	3.78	242
180970073	2011	5	6	13	V	1.7	0.4	5.56	255
180970073	2011	5	6	14	V	0.4	0	6.6	262
180970073	2011	5	6	15	V	0.03	0	6.4	269
180970073	2011	5	6	16	V	0.6	0	6.74	260
180970073	2011	5	6	17	V	1.8	0	5.97	255
180970073	2011	5	6	18	V	4.3	1	6.75	244
180970073	2011	5	6	19	V	6.8	0.8	4.6	248
180970073	2011	5	6	20	V	3.3	1.9	4.58	243
180970073	2011	5	6	21	V	0.06	1.7	3.29	221
180970073	2011	5	6	22	V	0.2	11.6	3.07	223
180970073	2011	5	6	23	V	0.02	2.7	2.93	215
180970073	2011	5	6	24	V	0.6	4.2	3.01	226
180970073	2011	5	7	1	V	0.02	2.7	2.81	218
180970073	2011	5	7	2	V	0.02	1.3	2.76	215
180970073	2011	5	7	3	V	0.02	0.4	2.49	218
180970073	2011	5	7	4	V	0.02	1.2	2.33	212
180970073	2011	5	7	5	V	0.03	0.6	3.22	206
180970073	2011	5	7	6	V	0.1	1	2.44	202
180970073	2011	5	7	7	V	0.05	0.7	3.2	182
180970073	2011	5	7	8	V	0.09	1	2.74	186
180970073	2011	5	7	9	V	0.3	2.9	2.52	212
180970073	2011	5	7	10	V	0.04	2.8	4.03	182
180970073	2011	5	7	11	V	0.01	1.9	6.35	186
180970073	2011	5	7	12	V	0.003	0.7	7.72	196
180970073	2011	5	7	13	V	0.003	0	7.94	188
180970073	2011	5	7	14	V	0.003	0	7.74	186
180970073	2011	5	7	15	V	0.004	0	7.23	177
180970073	2011	5	7	16	V	0.005	0	6.75	168
180970073	2011	5	7	17	V	0.003	0	7.16	185
180970073	2011	5	7	18	V	0.01	0	4.71	185
180970073	2011	5	7	19	V	0.01	0	2.54	122
180970073	2011	5	7	20	V	0.01	0	3.61	93

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	7	21	V	0.01	0	4.46	153
180970073	2011	5	7	22	V	0.01	0	3.44	103
180970073	2011	5	7	23	V	0.01	0	3.15	85
180970073	2011	5	7	24	V	0.01	0	2.62	85
180970073	2011	5	8	1	V	0.02	0	2.28	89
180970073	2011	5	8	2	V	0.02	0	2.22	131
180970073	2011	5	8	3	V	0.08	0	1.3	155
180970073	2011	5	8	4	V	0.03	0	1.82	61
180970073	2011	5	8	5	V	0.02	0	4.05	45
180970073	2011	5	8	6	V	0.09	0	3.07	60
180970073	2011	5	8	7	V	0.06	0	3.8	53
180970073	2011	5	8	8	V	0.1	0	2.91	57
180970073	2011	5	8	9	V	0.1	0	3.35	83
180970073	2011	5	8	10	V	0.06	0	4.05	71
180970073	2011	5	8	11	V	0.05	0	4.2	78
180970073	2011	5	8	12	V	0.03	0	4.75	87
180970073	2011	5	8	13	V	0.07	0	4.29	109
180970073	2011	5	8	14	V	0.06	0	4.31	96
180970073	2011	5	8	15	V	0.04	0	4.75	95
180970073	2011	5	8	16	V	0.03	0	4.7	113
180970073	2011	5	8	17	V	0.01	0	4.92	113
180970073	2011	5	8	18	V	0.02	0	4.66	116
180970073	2011	5	8	19	V	0.02	0	4.58	118
180970073	2011	5	8	20	V	0.02	0	3.66	115
180970073	2011	5	8	21	V	0.02	0	3.35	113
180970073	2011	5	8	22	V	0.02	0	3.01	101
180970073	2011	5	8	23	V	0.02	0	3.08	88
180970073	2011	5	8	24	V	0.02	0	3.39	81
180970073	2011	5	9	1	V	0.02	0	4.15	80
180970073	2011	5	9	2	V	0.02	0	5.02	81
180970073	2011	5	9	3	V	0.02	0	4.6	84
180970073	2011	5	9	4	V	0.03	0	4.27	84
180970073	2011	5	9	5	V	0.02	0	4.83	88
180970073	2011	5	9	6	V	0.04	0	4.73	98
180970073	2011	5	9	7	V	0.05	0.2	4.71	103
180970073	2011	5	9	8	V	0.03	0.7	6.07	104
180970073	2011	5	9	9	V	0.02	3	6.33	109
180970073	2011	5	9	10	V	0.02	3.4	6.53	113
180970073	2011	5	9	11	V	0.01	3.2	7.25	115
180970073	2011	5	9	12	V	0.03	2.2	6.07	119
180970073	2011	5	9	13	V	0.02	2.2	6.3	114
180970073	2011	5	9	14	V	0.03	2.1	5.62	118
180970073	2011	5	9	15	V	0.03	2.4	5.51	127
180970073	2011	5	9	16	V	0.01	2.9	7.18	120
180970073	2011	5	9	17	V	0.01	3.9	6.92	122
180970073	2011	5	9	18	V	0.03	4.8	6.62	120

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	9	19	V	0.03	5.8	5.75	124
180970073	2011	5	9	20	V	0.03	7.2	5.5	117
180970073	2011	5	9	21	V	0.03	5.4	5.72	114
180970073	2011	5	9	22	V	0.03	2.4	6.01	120
180970073	2011	5	9	23	V	0.03	1.8	6.29	126
180970073	2011	5	9	24	V	0.03	3.3	5.96	129
180970073	2011	5	10	1	V	0.03	5.7	5.89	132
180970073	2011	5	10	2	V	0.03	5.5	5.62	130
180970073	2011	5	10	3	V	0.03	3.5	4.46	113
180970073	2011	5	10	4	V	0.03	4	4.07	117
180970073	2011	5	10	5	V	0.04	3.6	5.34	125
180970073	2011	5	10	6	V	0.03	2.9	5.05	130
180970073	2011	5	10	7	V	0.1	2.5	4.03	143
180970073	2011	5	10	8	V	0.1	2.6	3.98	154
180970073	2011	5	10	9	V	0.1	2.3	3.74	167
180970073	2011	5	10	10	V	0.2	1.6	3.27	171
180970073	2011	5	10	11	V	0.1	1.2	3.76	202
180970073	2011	5	10	12	V	0.08	2.1	4.24	205
180970073	2011	5	10	13	V	4.0	1.8	6.94	226
180970073	2011	5	10	14	V	0.4	3.6	3.97	216
180970073	2011	5	10	15	V	0.03	4.7	5.56	201
180970073	2011	5	10	16	V	0.05	1.7	4.41	191
180970073	2011	5	10	17	V	3.1	1.9	7.08	226
180970073	2011	5	10	18	V	0.05	7	5.17	213
180970073	2011	5	10	19	V	0.04	16.1	4.17	207
180970073	2011	5	10	20	V	0.03	3.5	4.24	206
180970073	2011	5	10	21	V	0.03	1.4	3.73	200
180970073	2011	5	10	22	V	0.04	2.9	3.15	186
180970073	2011	5	10	23	V	0.03	2.1	3.52	179
180970073	2011	5	10	24	V	0.03	0.9	3.22	178
180970073	2011	5	11	1	V	0.03	0.2	2.69	155
180970073	2011	5	11	2	V	0.04	0.9	2.56	166
180970073	2011	5	11	3	V	0.02	0.1	3.05	121
180970073	2011	5	11	4	V	0.02	0.3	3.88	132
180970073	2011	5	11	5	V	0.05	0.2	3.58	175
180970073	2011	5	11	6	V	0.8	0.3	3.25	215
180970073	2011	5	11	7	V	3.6	3.9	2.47	216
180970073	2011	5	11	8	V	12.7	27.3	3.61	224
180970073	2011	5	11	9	V	4.6	17.9	5.07	246
180970073	2011	5	11	10	V	7.4	14	3.95	247
180970073	2011	5	11	11	V	3.8	23	2.98	218
180970073	2011	5	11	12	V	11.0	3.7	3.58	224
180970073	2011	5	11	13	V	9.4	9.2	4.32	239
180970073	2011	5	11	14	V	6.9	10.9	4.8	238
180970073	2011	5	11	15	V	6.1	6.6	4.94	239
180970073	2011	5	11	16	V	8.7	2	5.16	232

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	11	17	V	0.6	9.5	4.39	219
180970073	2011	5	11	18	V	0.3	11.6	4.61	220
180970073	2011	5	11	19	V	6.1	5.4	3.59	247
180970073	2011	5	11	20	V	0.05	3.6	3.83	217
180970073	2011	5	11	21	V	0.04	4.4	3.27	194
180970073	2011	5	11	22	V	0.03	3	3.35	212
180970073	2011	5	11	23	V	0.03	0.7	3.39	199
180970073	2011	5	11	24	V	0.03	0.2	4.32	200
180970073	2011	5	12	1	V	0.02	4.4	4.03	214
180970073	2011	5	12	2	V	0.2	17.3	3.17	222
180970073	2011	5	12	3	V	12.9	18.4	2.74	229
180970073	2011	5	12	4	V	23.4	10.1	3.1	234
180970073	2011	5	12	5	V	15.2	10	2.76	235
180970073	2011	5	12	6	V	7.9	13.9	2.5	222
180970073	2011	5	12	7	V	1.8	13.8	1.65	205
180970073	2011	5	12	8	V	0.7	5.9	2.08	194
180970073	2011	5	12	9	V	5.8	16	2.73	218
180970073	2011	5	12	10	V	12.8	27.4	3.71	232
180970073	2011	5	12	11	V	5.0	21	5.02	225
180970073	2011	5	12	12	V	2.3	8.8	5.73	223
180970073	2011	5	12	13	V	1.2	6.4	5.51	220
180970073	2011	5	12	14	V	0.03	2.6	5.04	211
180970073	2011	5	12	15	V	0.02	0.9	5.46	207
180970073	2011	5	12	16	V	0.02	0.2	6.63	212
180970073	2011	5	12	17	V	0.02	0.8	5.68	215
180970073	2011	5	12	18	V	0.04	1.2	5.48	201
180970073	2011	5	12	19	V	0.04	0.6	4.2	213
180970073	2011	5	12	20	V	0.04	1	3.74	214
180970073	2011	5	12	21	V	23.4	0.9	6.87	233
180970073	2011	5	12	22	V	0.04	2.3	2.95	215
180970073	2011	5	12	23	V	0.05	1.5	2.5	214
180970073	2011	5	12	24	V	0.2	29.8	1.42	309
180970073	2011	5	13	1	V	8.3	23.2	1.55	225
180970073	2011	5	13	2	V	0.04	8	2.88	219
180970073	2011	5	13	3	V	0.03	1.1	3.03	208
180970073	2011	5	13	4	V	0.03	0.8	3.23	216
180970073	2011	5	13	5	V	0.3	0.9	2.74	214
180970073	2011	5	13	6	V	0.5	1.9	2.42	206
180970073	2011	5	13	7	V	0.8	4.6	2.83	210
180970073	2011	5	13	8	V	0.7	16.5	3.37	215
180970073	2011	5	13	9	V	19.4	21.3	2.37	231
180970073	2011	5	13	10	V	0.7	24.6	3.81	214
180970073	2011	5	13	11	V	0.1	15.3	3.54	200
180970073	2011	5	13	12	V	4.2	6.3	4.88	223
180970073	2011	5	13	13	V	6.3	3.2	3.49	222
180970073	2011	5	13	14	V	3.2	1.3	6.09	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	13	15	V	9.1	6.5	7.76	234
180970073	2011	5	13	16	V	0.1	5.9	5.56	217
180970073	2011	5	13	17	V	0.02	0.9	5.9	196
180970073	2011	5	13	18	V	3.0	0.4	5.19	223
180970073	2011	5	13	19	V	0.5	3.3	4.53	221
180970073	2011	5	13	20	V	0.04	0.7	4.12	211
180970073	2011	5	13	21	V	0.05	0.8	2.45	200
180970073	2011	5	13	22	V	0.08	1.1	2.05	200
180970073	2011	5	13	23	V	0.03	1.7	3.05	202
180970073	2011	5	13	24	V	0.02	0.4	3.22	186
180970073	2011	5	14	1	V	0.02	0	3.56	169
180970073	2011	5	14	2	V	0.03	0.2	2.52	164
180970073	2011	5	14	3	V	0.03	1.3	2.15	181
180970073	2011	5	14	4	V	0.02	1.6	3.69	169
180970073	2011	5	14	5	V	0.04	0.8	3.42	180
180970073	2011	5	14	6	V	0.1	0.4	3.44	181
180970073	2011	5	14	7	V	0.09	0.6	3.08	164
180970073	2011	5	14	8	V	0.05	1.6	3.63	185
180970073	2011	5	14	9	V	0.07	1.3	3.52	199
180970073	2011	5	14	10	V	0.04	0.1	3.9	175
180970073	2011	5	14	11	V	3.7	0	3.08	222
180970073	2011	5	14	12	V	1.1	0.1	2.39	213
180970073	2011	5	14	13	V	0.2	0	1.98	189
180970073	2011	5	14	14	V	0.4	0	1.55	175
180970073	2011	5	14	15	V	0.08	0	2.42	152
180970073	2011	5	14	16	V	2.6	0	6.53	253
180970073	2011	5	14	17	V	0.08	1.1	6.4	264
180970073	2011	5	14	18	V	0.02	0	6.04	277
180970073	2011	5	14	19	V	0.04	0	6.16	271
180970073	2011	5	14	20	V	0.3	0	5.43	265
180970073	2011	5	14	21	V	1.0	0	4.31	262
180970073	2011	5	14	22	V	5.6	0	4.37	256
180970073	2011	5	14	23	V	4.6	0	4.37	257
180970073	2011	5	14	24	V	0.04	0	4.44	270
180970073	2011	5	15	1	V	0.03	0	4.7	271
180970073	2011	5	15	2	V	0.5	0	4.56	264
180970073	2011	5	15	3	V	0.02	0	4.25	283
180970073	2011	5	15	4	V	0.02	0	3.52	285
180970073	2011	5	15	5	V	0.03	0	3.54	282
180970073	2011	5	15	6	V	0.1	0	3.34	273
180970073	2011	5	15	7	V	0.1	0	3.2	277
180970073	2011	5	15	8	V	0.07	0	3.17	298
180970073	2011	5	15	9	V	0.03	0	4.48	323
180970073	2011	5	15	10	V	0.03	0	4.34	323
180970073	2011	5	15	11	V	0.03	0	4.05	316
180970073	2011	5	15	12	V	0.02	0	4.43	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	15	13	V	0.03	0	3.9	315
180970073	2011	5	15	14	V	0.02	0	4.87	315
180970073	2011	5	15	15	V	0.02	0	4.02	326
180970073	2011	5	15	16	V	0.01	0	4.51	336
180970073	2011	5	15	17	V	0.01	0	6.55	347
180970073	2011	5	15	18	V	0.02	0	7.69	28
180970073	2011	5	15	19	V	0.02	0	8.28	29
180970073	2011	5	15	20	V	0.02	0	6.77	34
180970073	2011	5	15	21	V	0.02	0	8.05	36
180970073	2011	5	15	22	V	0.02	0	7.23	36
180970073	2011	5	15	23	V	0.02	-999	6.69	31
180970073	2011	5	15	24	V	0.02	0	6.23	27
180970073	2011	5	16	1	V	0.02	0	7.47	26
180970073	2011	5	16	2	V	0.02	0	7.5	26
180970073	2011	5	16	3	V	0.02	0	6.98	26
180970073	2011	5	16	4	V	0.03	0	6.02	25
180970073	2011	5	16	5	V	0.02	0	5.21	16
180970073	2011	5	16	6	V	0.09	0	4.02	2
180970073	2011	5	16	7	V	0.07	0	4.68	356
180970073	2011	5	16	8	V	0.03	0	6.01	358
180970073	2011	5	16	9	V	0.03	0	6.43	1
180970073	2011	5	16	10	V	0.03	0	5.96	4
180970073	2011	5	16	11	V	0.04	0	5.6	358
180970073	2011	5	16	12	V	0.04	0	5.89	360
180970073	2011	5	16	13	V	0.03	0	6.09	356
180970073	2011	5	16	14	V	0.02	0	6.23	1
180970073	2011	5	16	15	V	0.02	0	6.11	4
180970073	2011	5	16	16	V	0.02	0	5.94	6
180970073	2011	5	16	17	V	0.01	0	5.78	1
180970073	2011	5	16	18	V	0.04	0	5.56	355
180970073	2011	5	16	19	V	0.04	0	5.33	359
180970073	2011	5	16	20	V	0.04	0	6.23	352
180970073	2011	5	16	21	V	0.03	0.2	6.74	343
180970073	2011	5	16	22	V	0.03	0	6.01	353
180970073	2011	5	16	23	V	0.03	0	5.02	8
180970073	2011	5	16	24	V	0.03	0	4.29	38
180970073	2011	5	17	1	V	0.03	0	4.88	33
180970073	2011	5	17	2	V	0.03	0	4.02	20
180970073	2011	5	17	3	V	0.03	0	3.88	353
180970073	2011	5	17	4	V	0.03	0	5.11	9
180970073	2011	5	17	5	V	0.04	0	5.22	25
180970073	2011	5	17	6	V	0.03	0	5.07	19
180970073	2011	5	17	7	V	0.05	0	4.92	17
180970073	2011	5	17	8	V	0.07	0	4.71	10
180970073	2011	5	17	9	V	0.06	0	4.85	12
180970073	2011	5	17	10	V	0.05	0	5.33	13

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	17	11	V	0.05	0	5.26	23
180970073	2011	5	17	12	V	0.06	0	4.99	11
180970073	2011	5	17	13	V	0.09	0.1	4.58	12
180970073	2011	5	17	14	V	0.04	0.1	5.6	15
180970073	2011	5	17	15	V	0.04	0.1	5.67	24
180970073	2011	5	17	16	V	0.08	0.2	4.48	16
180970073	2011	5	17	17	V	0.1	0.2	3.49	6
180970073	2011	5	17	18	V	0.05	0	2.96	346
180970073	2011	5	17	19	V	0.1	0	1.81	58
180970073	2011	5	17	20	V	0.3	0	1.28	61
180970073	2011	5	17	21	V	0.05	0	2.64	55
180970073	2011	5	17	22	V	0.04	0	2.74	45
180970073	2011	5	17	23	V	0.06	0	2.1	1
180970073	2011	5	17	24	V	0.04	0	2.35	347
180970073	2011	5	18	1	V	0.03	0	3.25	349
180970073	2011	5	18	2	V	0.03	0	3.1	344
180970073	2011	5	18	3	V	0.04	0	2.55	344
180970073	2011	5	18	4	V	0.04	0	2.62	358
180970073	2011	5	18	5	V	0.06	0	2.59	332
180970073	2011	5	18	6	V	0.2	0	2.93	314
180970073	2011	5	18	7	V	0.1	0	3.63	313
180970073	2011	5	18	8	V	0.1	0	3.9	322
180970073	2011	5	18	9	V	0.2	0	3.52	333
180970073	2011	5	18	10	V	0.2	0	3.18	358
180970073	2011	5	18	11	V	0.3	0	2.79	23
180970073	2011	5	18	12	V	0.5	0	2.3	349
180970073	2011	5	18	13	V	0.7	0	2.01	302
180970073	2011	5	18	14	V	0.5	0	1.74	349
180970073	2011	5	18	15	V	0.3	0	1.91	295
180970073	2011	5	18	16	V	0.3	0	1.79	283
180970073	2011	5	18	17	V	0.09	0	2.22	305
180970073	2011	5	18	18	V	0.1	0	1.65	345
180970073	2011	5	18	19	V	0.09	0	2.01	292
180970073	2011	5	18	20	V	0.1	0	1.94	275
180970073	2011	5	18	21	V	0.2	0	1.52	293
180970073	2011	5	18	22	V	0.2	0	1.6	276
180970073	2011	5	18	23	C	-999	0	0	0
180970073	2011	5	18	24	V	2.6	0	2.86	244
180970073	2011	5	19	1	V	12.1	0	3.86	229
180970073	2011	5	19	2	V	2.9	0	1.76	259
180970073	2011	5	19	3	C	-999	0	0	0
180970073	2011	5	19	4	V	0.6	0	2.86	261
180970073	2011	5	19	5	V	5.9	0	2.86	249
180970073	2011	5	19	6	V	8.7	0	2.36	252
180970073	2011	5	19	7	V	4.0	0.4	2.36	263
180970073	2011	5	19	8	V	4.2	1.3	2.36	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	19	9	V	1.8	1.9	2.86	266
180970073	2011	5	19	10	V	1.2	2	2.36	272
180970073	2011	5	19	11	V	0.08	1.3	4.86	275
180970073	2011	5	19	12	V	2.3	0.1	3.86	257
180970073	2011	5	19	13	M	-999	0	2.86	999
180970073	2011	5	19	14	V	3.3	0	3.99	249
180970073	2011	5	19	15	V	0.7	0	3.54	265
180970073	2011	5	19	16	V	0.6	0	3.18	266
180970073	2011	5	19	17	V	0.2	0	3.27	267
180970073	2011	5	19	18	V	0.05	0	2.74	297
180970073	2011	5	19	19	V	0.07	0	2.1	278
180970073	2011	5	19	20	V	3.1	0	2.49	240
180970073	2011	5	19	21	V	2.6	0	2.76	225
180970073	2011	5	19	22	V	37.3	0	1.69	232
180970073	2011	5	19	23	V	0.9	0	1.89	262
180970073	2011	5	19	24	V	0.1	0	1.55	340
180970073	2011	5	20	1	V	11.5	0	2.16	253
180970073	2011	5	20	2	V	4.4	0	2.49	246
180970073	2011	5	20	3	V	4.9	0	2.23	246
180970073	2011	5	20	4	V	2.2	0	3.34	245
180970073	2011	5	20	5	V	6.8	0	2.28	251
180970073	2011	5	20	6	V	6.1	0	2.04	259
180970073	2011	5	20	7	V	3.7	0	0.72	277
180970073	2011	5	20	8	V	3.0	0	1.06	324
180970073	2011	5	20	9	V	0.9	0.1	1.79	338
180970073	2011	5	20	10	V	2.1	0.7	1.14	32
180970073	2011	5	20	11	V	1.3	0	1.33	97
180970073	2011	5	20	12	V	0.9	0	1.52	87
180970073	2011	5	20	13	V	3.1	0	1.72	217
180970073	2011	5	20	14	V	0.2	0	2.27	181
180970073	2011	5	20	15	V	0.5	0	1.69	179
180970073	2011	5	20	16	V	0.2	0	2.03	140
180970073	2011	5	20	17	V	0.1	0	1.96	132
180970073	2011	5	20	18	V	0.07	0	2.1	147
180970073	2011	5	20	19	V	0.05	0	2.38	170
180970073	2011	5	20	20	V	0.04	0	2.74	167
180970073	2011	5	20	21	V	0.04	0	3.15	161
180970073	2011	5	20	22	V	0.05	0	2.67	150
180970073	2011	5	20	23	V	0.04	0	3.13	159
180970073	2011	5	20	24	V	0.04	0	2.84	130
180970073	2011	5	21	1	V	0.03	0	3.01	102
180970073	2011	5	21	2	V	0.04	0	3.29	120
180970073	2011	5	21	3	V	0.03	0	2.98	139
180970073	2011	5	21	4	V	0.03	0	2.91	136
180970073	2011	5	21	5	V	0.1	0	2.66	130
180970073	2011	5	21	6	V	0.2	0	2.93	111

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	21	7	V	0.2	0	3.22	117
180970073	2011	5	21	8	V	0.2	0	3.51	121
180970073	2011	5	21	9	V	0.1	0	4.22	122
180970073	2011	5	21	10	V	0.02	0	6.5	134
180970073	2011	5	21	11	V	0.01	0	6.92	135
180970073	2011	5	21	12	V	0.03	3.2	5.55	135
180970073	2011	5	21	13	V	0.04	0	4.8	145
180970073	2011	5	21	14	V	0.04	0	4.66	143
180970073	2011	5	21	15	V	0.06	0	3.59	167
180970073	2011	5	21	16	V	0.1	1.8	2.9	195
180970073	2011	5	21	17	V	0.04	0	3.88	202
180970073	2011	5	21	18	V	0.06	0	3.24	160
180970073	2011	5	21	19	V	0.04	0	3.61	173
180970073	2011	5	21	20	V	0.04	0.1	3.9	182
180970073	2011	5	21	21	V	0.04	0	3.05	191
180970073	2011	5	21	22	V	0.03	0	3.41	171
180970073	2011	5	21	23	V	0.04	0	3.68	153
180970073	2011	5	21	24	V	0.03	0	5.02	168
180970073	2011	5	22	1	V	0.03	0	3.83	165
180970073	2011	5	22	2	V	0.03	0	3.39	164
180970073	2011	5	22	3	V	0.03	0	3.47	183
180970073	2011	5	22	4	V	0.02	0	3.18	182
180970073	2011	5	22	5	V	0.1	0	3.12	171
180970073	2011	5	22	6	V	0.3	0	2.62	164
180970073	2011	5	22	7	V	0.3	0	2.3	168
180970073	2011	5	22	8	V	0.2	0	3.2	175
180970073	2011	5	22	9	V	0.1	2.3	4	205
180970073	2011	5	22	10	V	0.08	1.6	4.22	204
180970073	2011	5	22	11	V	0.03	0	5.12	187
180970073	2011	5	22	12	V	0.05	0	4.03	182
180970073	2011	5	22	13	V	0.1	0	3.34	188
180970073	2011	5	22	14	V	3.4	0	1.74	215
180970073	2011	5	22	15	V	0.1	0	2.66	163
180970073	2011	5	22	16	V	0.03	0	4.8	161
180970073	2011	5	22	17	V	0.02	0	5.5	181
180970073	2011	5	22	18	V	0.04	0	7.48	196
180970073	2011	5	22	19	V	0.03	0	5.8	178
180970073	2011	5	22	20	V	0.03	0	4.49	190
180970073	2011	5	22	21	V	0.04	0	3.68	153
180970073	2011	5	22	22	V	0.04	0	4.75	154
180970073	2011	5	22	23	V	0.03	-999	6.3	164
180970073	2011	5	22	24	V	0.03	0	6.58	170
180970073	2011	5	23	1	V	0.03	0	6.5	209
180970073	2011	5	23	2	V	0.03	0	6.01	153
180970073	2011	5	23	3	V	0.03	0	5.36	163
180970073	2011	5	23	4	V	0.03	0	5.5	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	23	5	V	0.05	0	4.12	189
180970073	2011	5	23	6	V	0.03	0	5.27	207
180970073	2011	5	23	7	V	0.02	0	5.8	207
180970073	2011	5	23	8	V	0.03	0	6.23	210
180970073	2011	5	23	9	V	0.2	0.5	7.76	218
180970073	2011	5	23	10	V	2.6	3.4	8.91	226
180970073	2011	5	23	11	V	0.8	3.7	7.64	221
180970073	2011	5	23	12	V	0.02	0.7	7.6	208
180970073	2011	5	23	13	V	0.01	0	8.71	205
180970073	2011	5	23	14	V	0.01	0	9.78	213
180970073	2011	5	23	15	V	0.3	0.6	9.87	221
180970073	2011	5	23	16	V	0.04	0	8.4	218
180970073	2011	5	23	17	V	5.4	1.3	10.58	234
180970073	2011	5	23	18	V	10.1	0	12.77	227
180970073	2011	5	23	19	V	0.03	0	5.9	176
180970073	2011	5	23	20	V	10.4	0	3.88	227
180970073	2011	5	23	21	V	16.7	6.1	5.26	237
180970073	2011	5	23	22	V	0.04	0.6	3.83	215
180970073	2011	5	23	23	V	25.3	0	3.12	230
180970073	2011	5	23	24	V	0.04	10.7	3.05	206
180970073	2011	5	24	1	V	0.03	2.5	3.39	205
180970073	2011	5	24	2	V	0.06	0.3	2.25	218
180970073	2011	5	24	3	V	0.03	0	2.78	194
180970073	2011	5	24	4	V	0.03	0	3.74	212
180970073	2011	5	24	5	V	8.5	6.7	4.63	229
180970073	2011	5	24	6	V	12.7	7.7	3.47	228
180970073	2011	5	24	7	V	12.9	3.4	2.03	248
180970073	2011	5	24	8	V	25.1	9.2	3.37	230
180970073	2011	5	24	9	V	28.0	10.6	2.79	234
180970073	2011	5	24	10	V	0.3	28.1	3.61	210
180970073	2011	5	24	11	V	1.0	73.4	2.33	205
180970073	2011	5	24	12	V	0.3	64.5	2.59	194
180970073	2011	5	24	13	V	2.3	3.2	2.2	213
180970073	2011	5	24	14	V	4.0	3.2	1.94	224
180970073	2011	5	24	15	V	5.3	19.4	2.72	237
180970073	2011	5	24	16	V	5.5	16.9	3.17	236
180970073	2011	5	24	17	V	5.2	8.7	4.29	237
180970073	2011	5	24	18	V	23.8	5.6	5.02	232
180970073	2011	5	24	19	V	0.03	7.8	4.15	217
180970073	2011	5	24	20	V	0.04	0.6	3.49	209
180970073	2011	5	24	21	V	0.04	5.2	3.35	191
180970073	2011	5	24	22	V	0.04	5.6	2.74	203
180970073	2011	5	24	23	V	0.05	2.3	2.35	193
180970073	2011	5	24	24	V	0.03	0	3.35	176
180970073	2011	5	25	1	V	0.03	0	2.93	180
180970073	2011	5	25	2	V	0.03	0	4.15	156

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	25	3	V	0.03	0	3.39	143
180970073	2011	5	25	4	V	0.03	0	4.46	145
180970073	2011	5	25	5	V	0.1	0	3.63	132
180970073	2011	5	25	6	V	0.09	0	4.14	129
180970073	2011	5	25	7	V	0.05	0	5.02	131
180970073	2011	5	25	8	V	0.02	0	6.38	145
180970073	2011	5	25	9	V	0.02	0	6.94	151
180970073	2011	5	25	10	V	0.02	0	7.03	163
180970073	2011	5	25	11	V	0.02	0	7.59	184
180970073	2011	5	25	12	V	0.01	0	8.96	194
180970073	2011	5	25	13	V	0.01	0	10.15	195
180970073	2011	5	25	14	V	0.01	0	9.9	192
180970073	2011	5	25	15	V	0.01	0	6.72	187
180970073	2011	5	25	16	V	0.01	8	6.57	211
180970073	2011	5	25	17	V	0.01	0.6	5.39	194
180970073	2011	5	25	18	V	0.05	0	3.69	110
180970073	2011	5	25	19	V	0.04	0	6.09	46
180970073	2011	5	25	20	V	0.04	0	4.78	100
180970073	2011	5	25	21	V	0.04	0	5.22	98
180970073	2011	5	25	22	V	0.03	0	7.48	148
180970073	2011	5	25	23	V	0.04	0	4.88	202
180970073	2011	5	25	24	V	0.04	0	4.63	135
180970073	2011	5	26	1	V	0.03	0	4.53	151
180970073	2011	5	26	2	V	0.03	0	5.48	170
180970073	2011	5	26	3	V	0.02	0	6.65	178
180970073	2011	5	26	4	V	0.03	0	6.4	178
180970073	2011	5	26	5	V	0.02	0	5.12	174
180970073	2011	5	26	6	V	0.09	0	3.83	176
180970073	2011	5	26	7	V	0.2	0	3.15	146
180970073	2011	5	26	8	V	0.08	0	4.26	163
180970073	2011	5	26	9	V	0.04	0	5.34	183
180970073	2011	5	26	10	V	0.02	0	6.06	170
180970073	2011	5	26	11	V	0.01	0	7.94	184
180970073	2011	5	26	12	V	0.02	0	6.53	190
180970073	2011	5	26	13	V	2.4	0	7.77	225
180970073	2011	5	26	14	V	0.06	1.9	5.33	213
180970073	2011	5	26	15	V	0.2	8.7	6.77	219
180970073	2011	5	26	16	V	0.01	1.3	6.77	303
180970073	2011	5	26	17	V	0.01	0	6.26	322
180970073	2011	5	26	18	V	0.04	0	6.02	318
180970073	2011	5	26	19	V	0.04	0	5.41	309
180970073	2011	5	26	20	V	0.04	0	5.78	304
180970073	2011	5	26	21	V	0.04	0	5.68	300
180970073	2011	5	26	22	V	0.04	0	4.32	300
180970073	2011	5	26	23	V	0.03	0	4.66	300
180970073	2011	5	26	24	V	0.03	0	4.37	312

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	27	1	V	0.03	0	4.15	304
180970073	2011	5	27	2	V	0.03	0	2.86	297
180970073	2011	5	27	3	V	0.03	0	2.79	297
180970073	2011	5	27	4	V	0.03	0	3.12	304
180970073	2011	5	27	5	V	0.07	0	2.54	338
180970073	2011	5	27	6	V	0.2	0	2.22	347
180970073	2011	5	27	7	V	0.3	0	2.54	313
180970073	2011	5	27	8	V	0.1	0	4.03	313
180970073	2011	5	27	9	V	0.3	0	3.17	350
180970073	2011	5	27	10	V	0.4	0	2.5	40
180970073	2011	5	27	11	V	1.2	0	1.47	143
180970073	2011	5	27	12	V	0.8	0	1.77	187
180970073	2011	5	27	13	V	1.1	0	1.67	200
180970073	2011	5	27	14	V	21.9	1.5	1.84	228
180970073	2011	5	27	15	V	0.3	10.1	2.45	208
180970073	2011	5	27	16	V	0.2	23.1	2.32	192
180970073	2011	5	27	17	V	0.09	22.3	2.76	176
180970073	2011	5	27	18	V	0.04	2.9	2.73	183
180970073	2011	5	27	19	V	0.03	0	3.27	198
180970073	2011	5	27	20	V	15.4	1.1	3.32	236
180970073	2011	5	27	21	V	0.04	0.8	3.17	165
180970073	2011	5	27	22	V	0.03	0	2.98	145
180970073	2011	5	27	23	V	0.03	0	2.96	161
180970073	2011	5	27	24	V	0.03	0	3.25	184
180970073	2011	5	28	1	V	0.03	0	3.95	192
180970073	2011	5	28	2	V	0.03	0	4.82	183
180970073	2011	5	28	3	V	0.03	0	5.26	203
180970073	2011	5	28	4	V	0.03	0	4.1	199
180970073	2011	5	28	5	V	0.06	0	2.96	179
180970073	2011	5	28	6	V	0.1	0	2.86	172
180970073	2011	5	28	7	V	0.1	0	3.34	159
180970073	2011	5	28	8	V	0.1	0	3.56	174
180970073	2011	5	28	9	V	0.1	0	3.1	168
180970073	2011	5	28	10	V	0.08	0.4	3.39	168
180970073	2011	5	28	11	V	0.1	0	2.88	182
180970073	2011	5	28	12	V	0.05	0	4.85	176
180970073	2011	5	28	13	V	0.02	0	6.02	167
180970073	2011	5	28	14	V	0.02	0	5.38	173
180970073	2011	5	28	15	V	0.03	0	4.32	174
180970073	2011	5	28	16	V	0.02	0	4.54	155
180970073	2011	5	28	17	V	0.01	0	5.55	146
180970073	2011	5	28	18	V	0.04	0	4.77	133
180970073	2011	5	28	19	V	0.03	0	4.97	133
180970073	2011	5	28	20	V	0.03	0	2.84	126
180970073	2011	5	28	21	V	0.03	0	3	129
180970073	2011	5	28	22	V	0.03	0	4.46	129

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	28	23	V	0.03	0	5.19	140
180970073	2011	5	28	24	V	0.03	0	5.33	147
180970073	2011	5	29	1	V	0.02	0	5.26	149
180970073	2011	5	29	2	V	0.02	0	4.07	147
180970073	2011	5	29	3	V	0.03	0	3.97	167
180970073	2011	5	29	4	V	0.03	0	3.64	180
180970073	2011	5	29	5	V	0.06	0	3.63	178
180970073	2011	5	29	6	V	0.1	0	3.59	183
180970073	2011	5	29	7	V	0.2	0	3.27	188
180970073	2011	5	29	8	V	0.1	0	4.19	198
180970073	2011	5	29	9	V	0.02	0	6.09	197
180970073	2011	5	29	10	V	0.02	0	5.8	192
180970073	2011	5	29	11	V	0.03	0	5.92	190
180970073	2011	5	29	12	V	0.01	0	7.6	198
180970073	2011	5	29	13	V	0.01	0	9.1	198
180970073	2011	5	29	14	V	0.01	0	9.32	214
180970073	2011	5	29	15	V	0.4	4.6	9.13	222
180970073	2011	5	29	16	V	6.3	8	6.97	228
180970073	2011	5	29	17	V	0.2	14.3	5.72	219
180970073	2011	5	29	18	V	0.06	3.4	5.24	206
180970073	2011	5	29	19	V	0.03	0	4.73	181
180970073	2011	5	29	20	V	0.03	0	5.5	173
180970073	2011	5	29	21	V	0.03	0	4.24	162
180970073	2011	5	29	22	V	0.03	0	4.27	154
180970073	2011	5	29	23	V	0.02	-999	4.95	167
180970073	2011	5	29	24	V	0.02	0	5.02	168
180970073	2011	5	30	1	V	0.02	0	5.5	174
180970073	2011	5	30	2	V	0.02	0	4.36	180
180970073	2011	5	30	3	V	0.02	0	4.22	188
180970073	2011	5	30	4	V	0.02	0	4.09	200
180970073	2011	5	30	5	V	0.1	0	3.13	189
180970073	2011	5	30	6	V	0.4	0	2.16	162
180970073	2011	5	30	7	V	0.4	0	2.35	143
180970073	2011	5	30	8	V	0.2	0	3.46	164
180970073	2011	5	30	9	V	0.07	0.4	4.68	191
180970073	2011	5	30	10	V	0.08	0.2	4.82	208
180970073	2011	5	30	11	V	0.3	8.3	5.1	214
180970073	2011	5	30	12	V	0.1	3.8	6.43	214
180970073	2011	5	30	13	V	0.03	0	7.09	210
180970073	2011	5	30	14	V	0.08	0	6.96	215
180970073	2011	5	30	15	V	0.03	0	6.11	203
180970073	2011	5	30	16	V	0.02	0	6.89	201
180970073	2011	5	30	17	V	0.02	0	6.07	205
180970073	2011	5	30	18	V	0.05	0	5.72	197
180970073	2011	5	30	19	V	0.03	0	5.58	175
180970073	2011	5	30	20	V	0.03	0	4.83	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	5	30	21	V	0.03	0	3.91	162
180970073	2011	5	30	22	V	0.03	0	4.29	165
180970073	2011	5	30	23	V	0.03	0	4.53	174
180970073	2011	5	30	24	V	0.03	0	4.51	174
180970073	2011	5	31	1	V	0.02	0	3.9	170
180970073	2011	5	31	2	V	0.02	0	3.64	176
180970073	2011	5	31	3	V	0.02	0	3.32	172
180970073	2011	5	31	4	V	0.03	0	2.79	177
180970073	2011	5	31	5	V	0.1	0	2.98	162
180970073	2011	5	31	6	V	0.2	0	3.23	167
180970073	2011	5	31	7	V	0.2	0	3.73	177
180970073	2011	5	31	8	V	0.2	2.1	4.07	210
180970073	2011	5	31	9	V	4.8	14.7	5.29	223
180970073	2011	5	31	10	V	7.0	12.3	6.97	237
180970073	2011	5	31	11	V	2.8	1.2	7.69	241
180970073	2011	5	31	12	V	5.0	0	7.98	235
180970073	2011	5	31	13	V	3.8	1	7.13	228
180970073	2011	5	31	14	V	0.3	0	6.89	217
180970073	2011	5	31	15	V	0.01	1.3	7.71	209
180970073	2011	5	31	16	V	0.01	0	7.5	212
180970073	2011	5	31	17	V	0.03	0	7.23	217
180970073	2011	5	31	18	V	0.01	0.7	5.99	210
180970073	2011	5	31	19	V	0.04	0.9	5	210
180970073	2011	5	31	20	V	0.04	0.5	4.54	214
180970073	2011	5	31	21	V	0.09	3.7	3.91	218
180970073	2011	5	31	22	V	34.3	5.5	3.27	234
180970073	2011	5	31	23	V	0.03	15	3.47	215
180970073	2011	5	31	24	V	24.2	14.5	4.27	230
180970073	2011	6	1	1	V	21.6	4.3	3.42	236
180970073	2011	6	1	2	V	21.6	5.8	3.06	236
180970073	2011	6	1	3	V	2.2	5	2.76	240
180970073	2011	6	1	4	V	0.03	0	3.75	286
180970073	2011	6	1	5	V	0.05	0	4.1	317
180970073	2011	6	1	6	V	0.2	0	3.05	315
180970073	2011	6	1	7	V	0.2	0	3.78	322
180970073	2011	6	1	8	V	0.08	0	4.56	348
180970073	2011	6	1	9	V	0.09	0	4.1	355
180970073	2011	6	1	10	V	0.09	0	3.78	355
180970073	2011	6	1	11	V	0.1	0	2.72	309
180970073	2011	6	1	12	V	0.2	0	2.83	287
180970073	2011	6	1	13	V	0.2	0	4.25	273
180970073	2011	6	1	14	V	0.04	0	4.7	283
180970073	2011	6	1	15	V	0.02	0	5.79	280
180970073	2011	6	1	16	V	0.01	0	6.55	294
180970073	2011	6	1	17	V	0.01	0	5.39	298
180970073	2011	6	1	18	V	0.06	0	5.1	310

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	1	19	V	0.03	0	3.81	312
180970073	2011	6	1	20	V	0.06	0	2.35	285
180970073	2011	6	1	21	V	38.2	0	2.35	232
180970073	2011	6	1	22	V	0.1	0	1.74	268
180970073	2011	6	1	23	V	0.1	0	1.77	283
180970073	2011	6	1	24	V	0.1	0	1.64	299
180970073	2011	6	2	1	V	0.04	0	2.35	330
180970073	2011	6	2	2	V	0.2	0	1.35	30
180970073	2011	6	2	3	V	0.2	0	1.38	61
180970073	2011	6	2	4	V	0.9	0	0.74	338
180970073	2011	6	2	5	V	0.5	0	1.42	312
180970073	2011	6	2	6	V	2.1	0	0.92	327
180970073	2011	6	2	7	V	0.8	0	1.74	23
180970073	2011	6	2	8	V	0.3	0	2.47	63
180970073	2011	6	2	9	V	0.2	0	3.07	93
180970073	2011	6	2	10	V	0.2	0	2.66	104
180970073	2011	6	2	11	V	0.2	0	2.59	101
180970073	2011	6	2	12	V	0.2	0	2.42	97
180970073	2011	6	2	13	V	0.2	0	2.4	113
180970073	2011	6	2	14	V	0.07	0	3.95	110
180970073	2011	6	2	15	V	0.1	0	3.18	135
180970073	2011	6	2	16	V	0.08	0	2.98	155
180970073	2011	6	2	17	V	0.07	0	3.27	138
180970073	2011	6	2	18	V	0.01	0	2.35	106
180970073	2011	6	2	19	V	0.03	0	2.74	121
180970073	2011	6	2	20	V	0.07	0	1.84	199
180970073	2011	6	2	21	V	0.1	0	1.55	140
180970073	2011	6	2	22	V	0.03	0	2.84	126
180970073	2011	6	2	23	V	0.04	0	2.42	117
180970073	2011	6	2	24	V	0.03	0	2.71	111
180970073	2011	6	3	1	V	0.04	0	2.3	112
180970073	2011	6	3	2	V	0.04	0	2.36	107
180970073	2011	6	3	3	V	0.03	0	3.32	109
180970073	2011	6	3	4	V	0.03	0	2.79	114
180970073	2011	6	3	5	V	0.09	0	2.84	111
180970073	2011	6	3	6	V	0.1	0	3.2	116
180970073	2011	6	3	7	V	0.2	0	3.2	123
180970073	2011	6	3	8	V	0.3	0.3	2.52	132
180970073	2011	6	3	9	V	0.06	0	4.53	125
180970073	2011	6	3	10	V	0.1	0	3.74	124
180970073	2011	6	3	11	V	0.1	0	4.09	122
180970073	2011	6	3	12	V	0.08	0	4.58	131
180970073	2011	6	3	13	V	0.04	1.7	5.43	132
180970073	2011	6	3	14	V	0.03	4.8	5.44	141
180970073	2011	6	3	15	V	0.03	5.6	5.33	139
180970073	2011	6	3	16	V	0.03	5.1	4.88	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	3	17	V	0.02	1.5	5.05	161
180970073	2011	6	3	18	V	0.07	0.5	4.34	149
180970073	2011	6	3	19	V	0.04	0	4	152
180970073	2011	6	3	20	V	0.04	0.8	3.86	161
180970073	2011	6	3	21	V	0.04	2	3.63	166
180970073	2011	6	3	22	V	0.03	7	3.37	143
180970073	2011	6	3	23	V	0.03	10.6	3.68	146
180970073	2011	6	3	24	V	0.03	7.5	2.83	155
180970073	2011	6	4	1	V	0.09	4.7	1.74	137
180970073	2011	6	4	2	V	0.07	1.7	1.89	142
180970073	2011	6	4	3	V	0.06	0.7	1.99	114
180970073	2011	6	4	4	V	0.04	0.2	2.32	141
180970073	2011	6	4	5	V	0.2	0	2.18	145
180970073	2011	6	4	6	V	0.6	0	1.89	165
180970073	2011	6	4	7	V	0.6	2.2	1.98	177
180970073	2011	6	4	8	V	0.5	3.6	3.01	206
180970073	2011	6	4	9	V	4.2	15.2	4.1	221
180970073	2011	6	4	10	V	6.8	24.6	5.14	236
180970073	2011	6	4	11	V	3.9	7.2	4.78	240
180970073	2011	6	4	12	V	0.6	2.4	5.34	262
180970073	2011	6	4	13	V	0.6	0	5.43	262
180970073	2011	6	4	14	V	0.6	0	5.27	262
180970073	2011	6	4	15	V	1.6	0	5.73	250
180970073	2011	6	4	16	V	0.5	0	6.06	261
180970073	2011	6	4	17	V	1.4	0	7.13	242
180970073	2011	6	4	18	V	6.4	0	7.23	233
180970073	2011	6	4	19	V	18.0	0.2	6.5	236
180970073	2011	6	4	20	V	0.03	0	10.44	4
180970073	2011	6	4	21	V	0.04	0	6.62	37
180970073	2011	6	4	22	V	0.05	0	4.32	152
180970073	2011	6	4	23	V	5.8	6.3	5.63	247
180970073	2011	6	4	24	V	4.2	14.4	4.94	224
180970073	2011	6	5	1	V	0.05	0.5	3.95	217
180970073	2011	6	5	2	V	9.8	0	4.03	251
180970073	2011	6	5	3	V	0.02	3.3	3.9	288
180970073	2011	6	5	4	V	0.04	0	2.47	343
180970073	2011	6	5	5	V	0.3	0	2.2	6
180970073	2011	6	5	6	V	1.0	0	1.28	336
180970073	2011	6	5	7	V	3.5	0	0.72	283
180970073	2011	6	5	8	V	2.0	0	0.89	21
180970073	2011	6	5	9	V	2.2	0	0.84	42
180970073	2011	6	5	10	V	0.7	0	1.42	54
180970073	2011	6	5	11	V	0.3	0	2.18	355
180970073	2011	6	5	12	V	0.1	0	3.8	294
180970073	2011	6	5	13	V	0.02	0	6.33	280
180970073	2011	6	5	14	V	0.02	0	6.31	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	5	15	V	0.2	0	2.55	290
180970073	2011	6	5	16	V	0.1	0	3.12	21
180970073	2011	6	5	17	V	0.1	0	2.47	25
180970073	2011	6	5	18	V	0.1	0	2.96	34
180970073	2011	6	5	19	V	0.04	0	2.69	35
180970073	2011	6	5	20	V	0.05	0	2.55	39
180970073	2011	6	5	21	V	0.3	0	1.37	53
180970073	2011	6	5	22	V	0.1	0	1.71	293
180970073	2011	6	5	23	V	6.5	-999	1.3	223
180970073	2011	6	5	24	V	1.1	0	1.33	264
180970073	2011	6	6	1	V	7.1	0	1.65	247
180970073	2011	6	6	2	V	0.6	0	0.87	281
180970073	2011	6	6	3	V	5.4	0	0.94	260
180970073	2011	6	6	4	C	-999	0	0	0
180970073	2011	6	6	5	V	4.9	0	0.58	215
180970073	2011	6	6	6	V	3.6	0	0.6	52
180970073	2011	6	6	7	V	1.5	0	1.35	97
180970073	2011	6	6	8	V	1.9	0	1.31	120
180970073	2011	6	6	9	V	0.7	27.3	1.69	126
180970073	2011	6	6	10	V	0.4	17.3	2.45	136
180970073	2011	6	6	11	V	0.2	3	2.9	163
180970073	2011	6	6	12	V	0.1	0.1	3.03	180
180970073	2011	6	6	13	V	0.09	0.5	2.95	196
180970073	2011	6	6	14	V	0.07	6.1	3.47	207
180970073	2011	6	6	15	V	0.04	5.6	3.83	203
180970073	2011	6	6	16	V	0.09	7.7	3.71	208
180970073	2011	6	6	17	V	0.02	1	4.7	205
180970073	2011	6	6	18	V	0.01	0	4.7	209
180970073	2011	6	6	19	V	0.03	0	4.37	209
180970073	2011	6	6	20	V	0.03	0	3.56	202
180970073	2011	6	6	21	V	0.03	0	3.61	170
180970073	2011	6	6	22	V	0.03	0	3.85	165
180970073	2011	6	6	23	V	0.03	0	4.44	168
180970073	2011	6	6	24	V	0.03	0	4.32	185
180970073	2011	6	7	1	V	0.03	0	3.23	192
180970073	2011	6	7	2	V	0.02	0.8	3.17	200
180970073	2011	6	7	3	V	0.02	1.6	3.39	209
180970073	2011	6	7	4	V	0.02	1.2	3.51	211
180970073	2011	6	7	5	V	0.2	1.4	3.56	212
180970073	2011	6	7	6	V	0.9	4.9	3.08	213
180970073	2011	6	7	7	V	10.3	12.4	3.71	225
180970073	2011	6	7	8	V	18.1	20.2	4.63	234
180970073	2011	6	7	9	V	5.2	7.9	4.75	244
180970073	2011	6	7	10	V	3.0	8.2	5.24	247
180970073	2011	6	7	11	V	8.4	5.1	4.53	233
180970073	2011	6	7	12	V	4.5	3.8	4.95	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	7	13	V	6.4	3.2	5.04	233
180970073	2011	6	7	14	V	5.2	10.3	5.65	230
180970073	2011	6	7	15	V	0.2	1	5.09	213
180970073	2011	6	7	16	V	0.03	1.9	5.11	209
180970073	2011	6	7	17	V	0.2	1.5	5.51	218
180970073	2011	6	7	18	V	0.05	0.6	5.21	210
180970073	2011	6	7	19	V	0.03	0	4.88	204
180970073	2011	6	7	20	V	0.03	0	4.29	173
180970073	2011	6	7	21	V	0.03	0	4.44	176
180970073	2011	6	7	22	V	0.03	0	4.39	184
180970073	2011	6	7	23	V	0.03	0.6	4.03	201
180970073	2011	6	7	24	V	0.03	1.2	3.88	215
180970073	2011	6	8	1	V	0.03	1.3	3.39	204
180970073	2011	6	8	2	V	0.03	0.4	3.76	210
180970073	2011	6	8	3	V	0.02	0	3.08	185
180970073	2011	6	8	4	V	0.03	0	2.69	202
180970073	2011	6	8	5	V	0.1	0	2.76	147
180970073	2011	6	8	6	V	0.2	0	2.79	156
180970073	2011	6	8	7	V	0.3	0	2.74	174
180970073	2011	6	8	8	V	0.2	1.4	3.4	173
180970073	2011	6	8	9	V	0.1	5	4.1	195
180970073	2011	6	8	10	V	0.05	9.1	5.21	207
180970073	2011	6	8	11	V	0.3	14.7	5.46	214
180970073	2011	6	8	12	V	0.4	7.5	6.92	218
180970073	2011	6	8	13	V	0.2	2.1	6.7	215
180970073	2011	6	8	14	V	0.03	1.4	6.45	213
180970073	2011	6	8	15	V	0.01	0.3	6.45	204
180970073	2011	6	8	16	V	0.01	0.3	6.45	205
180970073	2011	6	8	17	V	0.01	0.3	6.72	205
180970073	2011	6	8	18	V	0.01	0	6.38	200
180970073	2011	6	8	19	V	0.04	0	5.77	182
180970073	2011	6	8	20	V	0.04	0	5.34	178
180970073	2011	6	8	21	V	0.03	0	5.02	180
180970073	2011	6	8	22	V	0.03	0	5.56	183
180970073	2011	6	8	23	V	0.03	0	4.75	199
180970073	2011	6	8	24	V	0.03	0.2	4.07	202
180970073	2011	6	9	1	V	0.7	6.1	3.01	224
180970073	2011	6	9	2	V	0.2	8.3	2.95	223
180970073	2011	6	9	3	V	0.04	6.1	2.4	216
180970073	2011	6	9	4	V	0.02	1.2	7.96	17
180970073	2011	6	9	5	V	0.04	0	4.36	50
180970073	2011	6	9	6	V	0.02	0	5.36	77
180970073	2011	6	9	7	V	0.2	0	3.36	105
180970073	2011	6	9	8	V	0.08	0	4.36	81
180970073	2011	6	9	9	V	0.4	0	2.4	112
180970073	2011	6	9	10	V	0.09	0	3.93	106

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	9	11	V	0.06	0	4.53	92
180970073	2011	6	9	12	V	0.05	0	4.71	80
180970073	2011	6	9	13	V	0.05	0	4.2	96
180970073	2011	6	9	14	V	0.03	0	4.71	71
180970073	2011	6	9	15	V	0.05	0	4.51	113
180970073	2011	6	9	16	V	0.09	0	2.89	150
180970073	2011	6	9	17	V	0.02	0.2	5.02	212
180970073	2011	6	9	18	V	0.01	8.3	4.24	205
180970073	2011	6	9	19	V	0.04	4.1	3.03	209
180970073	2011	6	9	20	V	1.5	5.4	1.84	223
180970073	2011	6	9	21	V	1.0	1.7	0.74	176
180970073	2011	6	9	22	V	0.03	0	4	69
180970073	2011	6	9	23	V	0.03	0	4.56	48
180970073	2011	6	9	24	V	0.03	0	3.85	57
180970073	2011	6	10	1	V	0.02	0	3.4	56
180970073	2011	6	10	2	V	0.02	0	3.88	73
180970073	2011	6	10	3	V	0.02	0	3.49	78
180970073	2011	6	10	4	V	0.03	0	2.54	90
180970073	2011	6	10	5	V	0.3	0	2.11	121
180970073	2011	6	10	6	V	0.3	0	2.18	150
180970073	2011	6	10	7	V	0.3	0	2.73	175
180970073	2011	6	10	8	V	13.8	0	2.96	225
180970073	2011	6	10	9	V	0.2	0	3.9	43
180970073	2011	6	10	10	V	0.08	0	4.68	77
180970073	2011	6	10	11	V	0.04	0	5.36	108
180970073	2011	6	10	12	V	0.1	0	3.86	150
180970073	2011	6	10	13	V	0.01	0	8.46	202
180970073	2011	6	10	14	V	0.06	1	5.96	217
180970073	2011	6	10	15	V	2.4	1.6	6.96	241
180970073	2011	6	10	16	V	1.7	1.6	7.96	249
180970073	2011	6	10	17	V	1.9	0	8.46	251
180970073	2011	6	10	18	V	1.6	0.1	10.06	239
180970073	2011	6	10	19	V	4.9	0	5.36	246
180970073	2011	6	10	20	V	7.1	0	3.86	255
180970073	2011	6	10	21	V	0.04	0.9	4.36	217
180970073	2011	6	10	22	V	5.2	7.4	3.36	240
180970073	2011	6	10	23	V	27.5	8.2	1.76	232
180970073	2011	6	10	24	V	20.3	8.9	1.76	230
180970073	2011	6	11	1	V	0.03	0	5.96	344
180970073	2011	6	11	2	V	0.03	0	3.36	102
180970073	2011	6	11	3	V	0.03	0	4.86	151
180970073	2011	6	11	4	V	10.6	0	6.46	236
180970073	2011	6	11	5	V	0.01	0.2	5.96	107
180970073	2011	6	11	6	M	-999	0	2.36	999
180970073	2011	6	11	7	V	4.0	0	1.76	216
180970073	2011	6	11	8	V	7.9	0.9	3.36	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	11	9	V	3.2	0	2.36	216
180970073	2011	6	11	10	V	17.5	2.1	3.86	238
180970073	2011	6	11	11	V	0.04	16.4	5.36	196
180970073	2011	6	11	12	V	7.1	13.4	4.36	243
180970073	2011	6	11	13	V	7.4	16.5	6.46	229
180970073	2011	6	11	14	V	4.9	1.9	3.36	222
180970073	2011	6	11	15	V	0.06	1	3.86	288
180970073	2011	6	11	16	V	0.1	0	4.36	270
180970073	2011	6	11	17	V	0.03	0	4.36	272
180970073	2011	6	11	18	V	0.07	0	4.36	332
180970073	2011	6	11	19	V	0.04	0	4.86	331
180970073	2011	6	11	20	V	0.04	0	3.36	329
180970073	2011	6	11	21	V	0.04	0	2.86	328
180970073	2011	6	11	22	V	0.04	0	4.36	350
180970073	2011	6	11	23	V	0.04	0	4.36	345
180970073	2011	6	11	24	V	0.03	0	4.86	350
180970073	2011	6	12	1	V	0.02	0	5.36	352
180970073	2011	6	12	2	V	0.02	0	4.86	348
180970073	2011	6	12	3	V	0.02	0	5.36	8
180970073	2011	6	12	4	V	0.02	0	5.96	6
180970073	2011	6	12	5	V	0.03	0	3.86	12
180970073	2011	6	12	6	V	0.04	0	4.36	14
180970073	2011	6	12	7	V	0.04	0	4.36	358
180970073	2011	6	12	8	V	0.01	0	6.46	360
180970073	2011	6	12	9	V	0.01	0	7.46	10
180970073	2011	6	12	10	V	0.02	0	5.36	24
180970073	2011	6	12	11	V	0.01	0	5.96	351
180970073	2011	6	12	12	V	0.01	0	6.46	350
180970073	2011	6	12	13	V	0.01	0	6.96	343
180970073	2011	6	12	14	M	-999	0	1.76	999
180970073	2011	6	12	15	M	-999	0	3.36	999
180970073	2011	6	12	16	V	0.01	0	5.96	342
180970073	2011	6	12	17	V	0.02	0	4.36	339
180970073	2011	6	12	18	V	0.03	0	4.36	354
180970073	2011	6	12	19	V	0.02	0	5.08	340
180970073	2011	6	12	20	V	0.02	0	4.88	348
180970073	2011	6	12	21	V	0.02	0	5.04	358
180970073	2011	6	12	22	V	0.02	0	5.22	6
180970073	2011	6	12	23	V	0.02	-999	4.32	354
180970073	2011	6	12	24	V	0.02	0	4.12	354
180970073	2011	6	13	1	V	0.02	0	4.12	360
180970073	2011	6	13	2	V	0.02	0	3.39	8
180970073	2011	6	13	3	V	0.02	0	3.93	41
180970073	2011	6	13	4	V	0.02	0	3.35	32
180970073	2011	6	13	5	V	0.03	0	3.59	60
180970073	2011	6	13	6	V	0.09	0	3.35	89

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	13	7	V	0.1	0	2.98	80
180970073	2011	6	13	8	V	0.03	0	4.36	40
180970073	2011	6	13	9	V	0.06	0	3.86	72
180970073	2011	6	13	10	V	0.1	0	3.36	66
180970073	2011	6	13	11	V	0.2	0	3.01	40
180970073	2011	6	13	12	V	0.1	0	3.08	45
180970073	2011	6	13	13	V	0.06	0	3.9	41
180970073	2011	6	13	14	V	0.09	0	3.18	39
180970073	2011	6	13	15	V	0.07	0	3.29	38
180970073	2011	6	13	16	V	0.04	0	3.61	19
180970073	2011	6	13	17	V	0.07	0	2.61	327
180970073	2011	6	13	18	V	0.02	0	1.95	3
180970073	2011	6	13	19	V	0.02	0	3.86	26
180970073	2011	6	13	20	V	0.02	0	3.86	26
180970073	2011	6	13	21	V	0.02	0	2.86	48
180970073	2011	6	13	22	V	0.02	0	3.86	77
180970073	2011	6	13	23	V	0.02	0	2.81	44
180970073	2011	6	13	24	V	0.02	0	2.4	47
180970073	2011	6	14	1	V	0.02	0	2.35	81
180970073	2011	6	14	2	V	0.2	0	1.18	3
180970073	2011	6	14	3	V	0.1	0	1.38	30
180970073	2011	6	14	4	V	0.09	0	1.62	26
180970073	2011	6	14	5	V	0.4	0	1.62	359
180970073	2011	6	14	6	V	0.1	0	3.05	23
180970073	2011	6	14	7	V	0.2	0	3	41
180970073	2011	6	14	8	V	0.4	0	1.99	43
180970073	2011	6	14	9	V	0.08	0	3.36	85
180970073	2011	6	14	10	V	0.5	0	1.76	120
180970073	2011	6	14	11	C	-999	-999	0	0
180970073	2011	6	14	12	M	-999	0	1.76	999
180970073	2011	6	14	13	V	0.1	0	2.36	179
180970073	2011	6	14	14	V	0.08	0	2.86	106
180970073	2011	6	14	15	V	0.2	0	3.36	210
180970073	2011	6	14	16	C	-999	0	0	0
180970073	2011	6	14	17	V	0.02	0	4.36	118
180970073	2011	6	14	18	V	0.02	0	2.86	114
180970073	2011	6	14	19	V	0.04	0	4.86	26
180970073	2011	6	14	20	V	0.04	0	2.36	159
180970073	2011	6	14	21	V	0.04	0	3.36	126
180970073	2011	6	14	22	V	0.03	0	2.86	127
180970073	2011	6	14	23	V	0.03	0	2.36	108
180970073	2011	6	14	24	V	0.02	0	3.86	99
180970073	2011	6	15	1	V	0.02	0	5.36	92
180970073	2011	6	15	2	V	0.02	0	5.36	101
180970073	2011	6	15	3	V	0.03	0	4.86	110
180970073	2011	6	15	4	V	0.03	0	5.96	124

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	15	5	V	0.01	0	6.46	125
180970073	2011	6	15	6	V	0.01	1.9	7.96	132
180970073	2011	6	15	7	V	0.02	2.9	5.36	127
180970073	2011	6	15	8	V	6.0	1.9	3.86	252
180970073	2011	6	15	9	V	0.3	0	2.36	98
180970073	2011	6	15	10	V	0.01	0	7.96	94
180970073	2011	6	15	11	V	0.01	0	8.46	98
180970073	2011	6	15	12	V	0.01	0	6.96	143
180970073	2011	6	15	13	V	0.03	0	5.96	127
180970073	2011	6	15	14	V	0.01	0	9.06	147
180970073	2011	6	15	15	V	0.02	0	5.36	175
180970073	2011	6	15	16	V	0.02	0	5.96	164
180970073	2011	6	15	17	V	0.01	0	5.96	169
180970073	2011	6	15	18	V	0.06	0	4.92	190
180970073	2011	6	15	19	V	0.04	0	3.59	168
180970073	2011	6	15	20	V	0.05	0	2.2	147
180970073	2011	6	15	21	V	0.04	0	3.49	162
180970073	2011	6	15	22	V	0.03	0	3.15	183
180970073	2011	6	15	23	V	0.03	0	2.86	220
180970073	2011	6	15	24	V	0.04	0	2.86	221
180970073	2011	6	16	1	V	21.5	0	2.81	234
180970073	2011	6	16	2	V	2.3	0	3.2	240
180970073	2011	6	16	3	V	21.1	0	3.1	232
180970073	2011	6	16	4	V	1.6	0	3.61	225
180970073	2011	6	16	5	V	5.8	0.6	3.07	224
180970073	2011	6	16	6	V	10.2	0.1	2.81	226
180970073	2011	6	16	7	V	6.1	2.3	3.86	249
180970073	2011	6	16	8	V	3.0	3.2	4.86	247
180970073	2011	6	16	9	V	0.3	0	6.46	265
180970073	2011	6	16	10	V	0.9	0	4.86	259
180970073	2011	6	16	11	V	1.1	0	9.56	246
180970073	2011	6	16	12	V	1.0	1	8.46	254
180970073	2011	6	16	13	V	0.01	1.4	8.96	280
180970073	2011	6	16	14	V	0.6	0	8.46	259
180970073	2011	6	16	15	V	0.5	0	7.96	260
180970073	2011	6	16	16	V	0.01	0	7.96	273
180970073	2011	6	16	17	V	0.3	0	7.96	262
180970073	2011	6	16	18	V	0.01	0	8.46	285
180970073	2011	6	16	19	V	0.03	0	5.36	284
180970073	2011	6	16	20	V	0.03	0	2.86	281
180970073	2011	6	16	21	C	-999	0	0	0
180970073	2011	6	16	22	V	0.04	0	2.36	207
180970073	2011	6	16	23	V	0.03	0	3.36	217
180970073	2011	6	16	24	V	0.1	1.3	3.36	220
180970073	2011	6	17	1	V	4.6	4.7	2.86	246
180970073	2011	6	17	2	V	10.5	12.6	2.86	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	17	3	C	-999	5.4	0	0
180970073	2011	6	17	4	V	0.05	3.1	4.36	218
180970073	2011	6	17	5	V	6.6	4.3	4.36	239
180970073	2011	6	17	6	V	16.0	7.8	1.76	232
180970073	2011	6	17	7	V	11.6	9	2.86	227
180970073	2011	6	17	8	V	5.7	14.7	3.86	253
180970073	2011	6	17	9	V	0.8	10.7	5.36	218
180970073	2011	6	17	10	V	0.4	14.6	2.86	204
180970073	2011	6	17	11	V	0.08	15.7	3.88	192
180970073	2011	6	17	12	V	0.05	4.1	5	206
180970073	2011	6	17	13	V	0.05	0	5.24	208
180970073	2011	6	17	14	V	0.6	0	4.94	218
180970073	2011	6	17	15	V	5.4	0.4	6.14	230
180970073	2011	6	17	16	V	0.1	6.9	5.89	217
180970073	2011	6	17	17	V	0.01	8.7	6.09	215
180970073	2011	6	17	18	V	0.01	2	6.38	216
180970073	2011	6	17	19	V	0.04	0.9	3.61	201
180970073	2011	6	17	20	V	0.08	0	1.65	126
180970073	2011	6	17	21	V	0.05	0.3	2.42	205
180970073	2011	6	17	22	V	0.06	3	3.98	216
180970073	2011	6	17	23	V	0.4	2.6	3.83	220
180970073	2011	6	17	24	V	7.4	28.4	5.96	239
180970073	2011	6	18	1	V	5.8	17.4	5.96	240
180970073	2011	6	18	2	V	0.05	2.7	1.76	192
180970073	2011	6	18	3	V	0.05	4.4	1.76	144
180970073	2011	6	18	4	V	0.03	4.3	3.36	165
180970073	2011	6	18	5	V	0.2	1.2	1.76	31
180970073	2011	6	18	6	C	-999	0	0	0
180970073	2011	6	18	7	C	-999	0	0	0
180970073	2011	6	18	8	V	0.1	0	3.36	141
180970073	2011	6	18	9	V	0.03	0	4.86	114
180970073	2011	6	18	10	V	0.4	0	1.76	142
180970073	2011	6	18	11	V	0.07	0	4.36	201
180970073	2011	6	18	12	V	0.06	0	4.36	208
180970073	2011	6	18	13	V	0.05	0	4.36	133
180970073	2011	6	18	14	V	0.02	0	5.96	92
180970073	2011	6	18	15	V	0.01	0	6.46	192
180970073	2011	6	18	16	V	0.01	0	6.46	210
180970073	2011	6	18	17	V	0.004	0	12.06	196
180970073	2011	6	18	18	C	-999	0	0	0
180970073	2011	6	18	19	V	0.04	0	2.36	131
180970073	2011	6	18	20	V	9.4	0	3.36	250
180970073	2011	6	18	21	V	0.06	0	1.76	338
180970073	2011	6	18	22	V	0.04	0	2.36	210
180970073	2011	6	18	23	V	0.02	0	3.36	197
180970073	2011	6	18	24	V	0.08	0.1	2.36	220

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	19	1	V	0.09	0	1.76	202
180970073	2011	6	19	2	V	2.0	0	2.86	225
180970073	2011	6	19	3	C	-999	0	0	0
180970073	2011	6	19	4	V	0.04	0	2.36	108
180970073	2011	6	19	5	V	0.4	0	1.76	84
180970073	2011	6	19	6	V	0.6	0	1.76	76
180970073	2011	6	19	7	V	0.08	0	3.86	133
180970073	2011	6	19	8	V	0.08	0	3.86	116
180970073	2011	6	19	9	V	0.07	0	3.86	133
180970073	2011	6	19	10	V	0.09	0	3.86	134
180970073	2011	6	19	11	V	0.2	0	3.36	212
180970073	2011	6	19	12	V	1.0	0	2.86	216
180970073	2011	6	19	13	C	-999	0	0	0
180970073	2011	6	19	14	V	0.3	0	1.76	72
180970073	2011	6	19	15	V	0.1	0	2.36	16
180970073	2011	6	19	16	C	-999	0	0	0
180970073	2011	6	19	17	V	1.3	0	1.76	265
180970073	2011	6	19	18	V	0.08	0	4.36	211
180970073	2011	6	19	19	V	0.03	6.2	4.36	204
180970073	2011	6	19	20	V	0.03	6.6	3.36	178
180970073	2011	6	19	21	V	0.06	1.5	1.76	186
180970073	2011	6	19	22	V	0.03	0	2.86	176
180970073	2011	6	19	23	V	0.03	-999	2.81	162
180970073	2011	6	19	24	V	0.04	0	2.39	146
180970073	2011	6	20	1	V	0.04	0	2.42	116
180970073	2011	6	20	2	V	0.02	0	3.12	125
180970073	2011	6	20	3	V	0.03	0	3.34	139
180970073	2011	6	20	4	V	0.03	0	4.32	156
180970073	2011	6	20	5	V	0.04	0	4.32	117
180970073	2011	6	20	6	V	0.02	0	5.31	125
180970073	2011	6	20	7	V	0.01	0	6.62	97
180970073	2011	6	20	8	V	0.05	0	4.63	131
180970073	2011	6	20	9	V	0.01	0	6.79	76
180970073	2011	6	20	10	V	0.01	0	6.87	77
180970073	2011	6	20	11	V	0.2	0	3.03	129
180970073	2011	6	20	12	V	0.08	0	4.54	127
180970073	2011	6	20	13	V	0.03	0	5.8	134
180970073	2011	6	20	14	V	0.03	0	5.55	114
180970073	2011	6	20	15	V	0.02	0	6.14	97
180970073	2011	6	20	16	V	0.01	0	8.2	126
180970073	2011	6	20	17	V	0.01	0	7.43	139
180970073	2011	6	20	18	V	0.06	1.4	5.17	131
180970073	2011	6	20	19	V	0.03	0	6.84	155
180970073	2011	6	20	20	V	0.04	2.8	5.77	160
180970073	2011	6	20	21	V	0.04	0	3.13	148
180970073	2011	6	20	22	V	0.05	0	2.05	109

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	20	23	V	0.04	0	2.98	113
180970073	2011	6	20	24	V	0.03	0	3.66	122
180970073	2011	6	21	1	V	0.03	0	3.52	118
180970073	2011	6	21	2	V	0.03	0	3.78	129
180970073	2011	6	21	3	V	0.03	0	4.29	141
180970073	2011	6	21	4	V	0.03	0	4.14	142
180970073	2011	6	21	5	V	0.06	0	4.31	133
180970073	2011	6	21	6	V	0.08	0	4.07	138
180970073	2011	6	21	7	V	0.1	0	4.25	145
180970073	2011	6	21	8	V	0.05	0	4.71	175
180970073	2011	6	21	9	V	0.03	0	6.41	206
180970073	2011	6	21	10	V	0.6	1.1	7.81	220
180970073	2011	6	21	11	V	0.04	3.2	7.11	214
180970073	2011	6	21	12	V	0.02	0.8	6.18	201
180970073	2011	6	21	13	V	0.02	0	6.48	182
180970073	2011	6	21	14	V	0.01	0	6.67	179
180970073	2011	6	21	15	V	0.01	0	6.84	179
180970073	2011	6	21	16	V	0.01	0	7.06	186
180970073	2011	6	21	17	V	0.01	0	9.02	168
180970073	2011	6	21	18	V	0.04	0	10.32	179
180970073	2011	6	21	19	V	0.04	0	8.57	203
180970073	2011	6	21	20	V	0.06	0	7.47	214
180970073	2011	6	21	21	V	0.04	1	5.62	194
180970073	2011	6	21	22	V	0.03	0	7.23	188
180970073	2011	6	21	23	V	0.03	0	6.92	196
180970073	2011	6	21	24	V	0.02	0	5.5	200
180970073	2011	6	22	1	V	0.03	0	6.47	197
180970073	2011	6	22	2	V	0.03	0	5.55	209
180970073	2011	6	22	3	V	0.03	0	5.29	204
180970073	2011	6	22	4	V	0.03	0	4.7	197
180970073	2011	6	22	5	V	0.03	0	4.49	172
180970073	2011	6	22	6	V	0.02	0	5.43	186
180970073	2011	6	22	7	V	0.03	0	5.97	202
180970073	2011	6	22	8	V	0.01	0	6.82	201
180970073	2011	6	22	9	V	0.01	0	7.94	200
180970073	2011	6	22	10	V	0.01	0	7.83	205
180970073	2011	6	22	11	V	0.01	0	8.66	199
180970073	2011	6	22	12	V	0.01	0	9.56	198
180970073	2011	6	22	13	V	0.01	0	10	204
180970073	2011	6	22	14	V	0.01	0	10.8	204
180970073	2011	6	22	15	V	0.09	0	11.33	219
180970073	2011	6	22	16	V	3.2	0	11.74	230
180970073	2011	6	22	17	V	1.1	0	11.06	241
180970073	2011	6	22	18	V	0.8	0.1	9.98	244
180970073	2011	6	22	19	V	5.9	0	7.06	242
180970073	2011	6	22	20	V	1.3	14.6	6.02	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	22	21	V	7.7	15.8	5.07	251
180970073	2011	6	22	22	V	0.04	0	2.54	275
180970073	2011	6	22	23	V	1.5	0	2.49	260
180970073	2011	6	22	24	V	5.3	0	3.64	246
180970073	2011	6	23	1	V	0.2	0.4	3.25	224
180970073	2011	6	23	2	V	0.01	0	4.36	172
180970073	2011	6	23	3	V	0.01	0.8	3.83	200
180970073	2011	6	23	4	V	0.01	0.5	4.51	204
180970073	2011	6	23	5	V	0.04	0	4.05	214
180970073	2011	6	23	6	V	0.5	0	5.36	225
180970073	2011	6	23	7	V	0.9	0	5.62	239
180970073	2011	6	23	8	V	0.4	0	7.4	240
180970073	2011	6	23	9	V	0.9	0	8.5	245
180970073	2011	6	23	10	V	1.7	1.6	8.54	250
180970073	2011	6	23	11	V	1.1	5	8.1	246
180970073	2011	6	23	12	V	0.3	0	7.91	240
180970073	2011	6	23	13	V	0.8	0	7.69	244
180970073	2011	6	23	14	V	0.7	0	8	244
180970073	2011	6	23	15	V	0.7	0	8.49	244
180970073	2011	6	23	16	V	1.5	0	8.85	248
180970073	2011	6	23	17	V	0.7	0	7.15	259
180970073	2011	6	23	18	V	2.2	0	7.57	242
180970073	2011	6	23	19	V	5.7	0	5.73	255
180970073	2011	6	23	20	V	4.9	2.9	6.09	256
180970073	2011	6	23	21	V	2.0	3.2	5.67	242
180970073	2011	6	23	22	V	6.0	1.5	6.57	249
180970073	2011	6	23	23	V	6.6	0.2	6.11	250
180970073	2011	6	23	24	V	5.2	0	5.39	256
180970073	2011	6	24	1	V	6.5	0	5.43	254
180970073	2011	6	24	2	V	4.5	0	5.16	257
180970073	2011	6	24	3	V	7.7	0	4.86	252
180970073	2011	6	24	4	V	1.7	0	5.96	261
180970073	2011	6	24	5	V	1.1	0	5.36	243
180970073	2011	6	24	6	V	0.2	0	4.86	267
180970073	2011	6	24	7	V	0.6	0	4.36	265
180970073	2011	6	24	8	V	0.01	0	6.46	282
180970073	2011	6	24	9	V	0.8	0	5.66	261
180970073	2011	6	24	10	V	0.7	0	5	263
180970073	2011	6	24	11	V	0.01	0	5.9	292
180970073	2011	6	24	12	V	0.01	0	6.11	284
180970073	2011	6	24	13	V	0.01	0	5.16	277
180970073	2011	6	24	14	V	0.4	0	7.47	261
180970073	2011	6	24	15	V	0.003	0	7.72	281
180970073	2011	6	24	16	V	0.004	0	6.33	297
180970073	2011	6	24	17	V	0.004	0	5.16	294
180970073	2011	6	24	18	V	0.02	0	4.63	295

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	24	19	V	0.01	0	4.59	293
180970073	2011	6	24	20	V	0.01	0	4.48	297
180970073	2011	6	24	21	V	0.01	0	3.64	287
180970073	2011	6	24	22	V	8.8	0	2.36	248
180970073	2011	6	24	23	V	0.01	0	2.86	286
180970073	2011	6	24	24	V	0.02	0	2.36	283
180970073	2011	6	25	1	V	10.8	0	1.76	253
180970073	2011	6	25	2	V	0.8	0	3.36	238
180970073	2011	6	25	3	V	0.9	0	2.36	237
180970073	2011	6	25	4	V	0.02	0	2.86	269
180970073	2011	6	25	5	V	5.5	0	2.36	257
180970073	2011	6	25	6	V	0.2	0	1.76	286
180970073	2011	6	25	7	V	1.7	0	2.09	269
180970073	2011	6	25	8	V	0.1	0	2.27	307
180970073	2011	6	25	9	V	0.08	0	2.76	319
180970073	2011	6	25	10	V	0.04	0	3.32	313
180970073	2011	6	25	11	V	0.1	0	2.18	319
180970073	2011	6	25	12	V	0.2	0	1.82	360
180970073	2011	6	25	13	V	0.1	0	2.03	96
180970073	2011	6	25	14	V	0.3	0	1.69	206
180970073	2011	6	25	15	V	0.1	0	1.67	149
180970073	2011	6	25	16	V	0.01	0	3.1	203
180970073	2011	6	25	17	V	0.01	0	4.1	208
180970073	2011	6	25	18	V	0.004	0	4.24	168
180970073	2011	6	25	19	V	0.02	0	2.49	168
180970073	2011	6	25	20	V	0.04	0	1.6	179
180970073	2011	6	25	21	V	0.06	0	1.45	130
180970073	2011	6	25	22	V	0.04	0	1.74	133
180970073	2011	6	25	23	V	0.01	0	2.86	134
180970073	2011	6	25	24	V	0.02	0	2.72	119
180970073	2011	6	26	1	V	0.01	0	3.39	107
180970073	2011	6	26	2	V	0.01	0	2.91	125
180970073	2011	6	26	3	V	0.01	0	4.85	103
180970073	2011	6	26	4	V	0.01	0	4.65	84
180970073	2011	6	26	5	V	0.02	0	3.83	65
180970073	2011	6	26	6	V	0.1	0	2.01	57
180970073	2011	6	26	7	V	0.08	0	2.69	70
180970073	2011	6	26	8	V	0.08	0	2.74	31
180970073	2011	6	26	9	V	0.07	0	2.47	68
180970073	2011	6	26	10	V	0.03	0	3.61	100
180970073	2011	6	26	11	V	0.02	0	4.09	117
180970073	2011	6	26	12	V	0.01	0	5.31	129
180970073	2011	6	26	13	V	0.01	0	4.95	116
180970073	2011	6	26	14	V	0.02	0	4.49	108
180970073	2011	6	26	15	V	0.01	0	4.95	112
180970073	2011	6	26	16	V	0.01	0	4.49	121

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	26	17	V	0.01	0	4.8	130
180970073	2011	6	26	18	V	0.02	0	4.71	129
180970073	2011	6	26	19	V	0.01	0	4	119
180970073	2011	6	26	20	V	0.01	0	3.83	120
180970073	2011	6	26	21	V	0.01	0	3.83	123
180970073	2011	6	26	22	V	0.01	0	3.41	113
180970073	2011	6	26	23	V	0.01	-999	3.59	108
180970073	2011	6	26	24	V	0.01	0	3.74	117
180970073	2011	6	27	1	V	0.01	0	3.49	133
180970073	2011	6	27	2	V	0.02	0.2	2.79	139
180970073	2011	6	27	3	V	0.02	0.1	3.06	143
180970073	2011	6	27	4	V	0.02	1.4	3.41	123
180970073	2011	6	27	5	V	0.02	1.5	4.86	146
180970073	2011	6	27	6	V	0.01	0	7.29	153
180970073	2011	6	27	7	V	7.3	0	3.46	243
180970073	2011	6	27	8	V	0.1	7	3.8	165
180970073	2011	6	27	9	V	0.01	0	7.42	135
180970073	2011	6	27	10	V	0.01	0	6.43	162
180970073	2011	6	27	11	V	0.04	0	4.85	195
180970073	2011	6	27	12	V	0.05	0	4.97	183
180970073	2011	6	27	13	V	0.03	0	5.29	154
180970073	2011	6	27	14	V	0.05	0	4.71	171
180970073	2011	6	27	15	V	0.07	0	3.83	175
180970073	2011	6	27	16	V	0.07	0	4	202
180970073	2011	6	27	17	V	10.0	0	4.6	230
180970073	2011	6	27	18	V	1.2	3.7	5.5	258
180970073	2011	6	27	19	V	1.1	0	5.67	262
180970073	2011	6	27	20	V	8.2	0.6	4.71	251
180970073	2011	6	27	21	V	3.0	0	4.32	259
180970073	2011	6	27	22	V	8.1	0	3.23	248
180970073	2011	6	27	23	V	11.4	0	3.97	237
180970073	2011	6	27	24	V	2.7	0	4.34	243
180970073	2011	6	28	1	V	6.3	9	3.68	247
180970073	2011	6	28	2	V	1.2	0.3	3.17	242
180970073	2011	6	28	3	V	2.7	0	3.17	240
180970073	2011	6	28	4	V	10.3	0	3.66	251
180970073	2011	6	28	5	V	0.1	0	3.63	275
180970073	2011	6	28	6	V	0.08	0	4.58	307
180970073	2011	6	28	7	V	0.1	0	3.93	312
180970073	2011	6	28	8	V	0.1	0	4.17	316
180970073	2011	6	28	9	V	0.09	0	4.2	320
180970073	2011	6	28	10	V	0.03	0	5.51	312
180970073	2011	6	28	11	V	0.02	0	6.53	308
180970073	2011	6	28	12	V	0.02	0	6.77	311
180970073	2011	6	28	13	V	0.02	0	6.99	307
180970073	2011	6	28	14	V	0.02	0	6.48	319

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	28	15	V	0.02	0	5.7	304
180970073	2011	6	28	16	V	0.02	0	5.65	314
180970073	2011	6	28	17	V	0.02	0	5.63	312
180970073	2011	6	28	18	V	0.01	0	5.96	321
180970073	2011	6	28	19	V	0.03	0	5.04	318
180970073	2011	6	28	20	V	0.03	0	4.46	310
180970073	2011	6	28	21	V	0.03	0	3.51	314
180970073	2011	6	28	22	V	0.05	0	2.69	321
180970073	2011	6	28	23	V	0.07	0	1.93	271
180970073	2011	6	28	24	V	0.2	0	1.4	5
180970073	2011	6	29	1	V	0.08	0	1.74	49
180970073	2011	6	29	2	V	0.2	0	1.2	100
180970073	2011	6	29	3	V	0.09	0	1.67	133
180970073	2011	6	29	4	V	0.09	0	1.67	106
180970073	2011	6	29	5	V	0.6	0	1.25	114
180970073	2011	6	29	6	V	6.0	0	0.75	250
180970073	2011	6	29	7	V	6.8	0	1.03	238
180970073	2011	6	29	8	V	3.5	0	1.72	230
180970073	2011	6	29	9	V	1.8	0	2.08	215
180970073	2011	6	29	10	V	1.6	0	2.25	214
180970073	2011	6	29	11	V	2.8	5.6	1.62	238
180970073	2011	6	29	12	V	0.3	2.2	2.38	291
180970073	2011	6	29	13	V	0.3	0	2.57	289
180970073	2011	6	29	14	V	0.3	0	2.18	308
180970073	2011	6	29	15	V	2.2	0	1.84	260
180970073	2011	6	29	16	V	0.3	0	1.99	288
180970073	2011	6	29	17	V	0.1	0	2.64	305
180970073	2011	6	29	18	V	0.02	0	2.73	326
180970073	2011	6	29	19	V	0.05	0	2.64	315
180970073	2011	6	29	20	V	0.04	0	2.86	322
180970073	2011	6	29	21	V	0.06	0	2.44	325
180970073	2011	6	29	22	V	0.2	0	1.48	320
180970073	2011	6	29	23	V	0.3	0	1.22	293
180970073	2011	6	29	24	V	9.8	0	1.46	253
180970073	2011	6	30	1	V	1.0	0	1.03	267
180970073	2011	6	30	2	V	0.2	0	1.28	277
180970073	2011	6	30	3	V	0.3	0	1.18	320
180970073	2011	6	30	4	V	0.2	0	1.42	269
180970073	2011	6	30	5	V	0.7	0	1.31	305
180970073	2011	6	30	6	V	1.0	0	1.31	314
180970073	2011	6	30	7	V	3.0	0	0.53	81
180970073	2011	6	30	8	V	2.7	0	0.52	38
180970073	2011	6	30	9	V	1.8	0	0.77	189
180970073	2011	6	30	10	V	2.5	3.7	2.33	216
180970073	2011	6	30	11	V	4.4	14.8	2.37	225
180970073	2011	6	30	12	V	0.7	0	2.81	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	6	30	13	V	1.0	1.6	2.86	209
180970073	2011	6	30	14	V	0.3	1	2.61	199
180970073	2011	6	30	15	V	3.1	0	2.45	217
180970073	2011	6	30	16	V	4.8	0	3.01	224
180970073	2011	6	30	17	V	3.7	0	3.35	223
180970073	2011	6	30	18	V	0.8	0	3.05	220
180970073	2011	6	30	19	V	0.07	0	2.27	217
180970073	2011	6	30	20	V	0.05	0	3.68	152
180970073	2011	6	30	21	V	0.04	0	3.25	183
180970073	2011	6	30	22	V	2.7	0	3.88	259
180970073	2011	6	30	23	V	0.04	0.3	5.36	329
180970073	2011	6	30	24	V	0.04	0	5.46	342
180970073	2011	7	1	1	V	6.5	0	4.66	248
180970073	2011	7	1	2	V	0.03	1.4	2.38	216
180970073	2011	7	1	3	V	0.03	4.8	4	282
180970073	2011	7	1	4	V	0.03	3.8	3.12	104
180970073	2011	7	1	5	V	0.4	2	1.69	163
180970073	2011	7	1	6	V	0.5	0.5	1.96	81
180970073	2011	7	1	7	V	0.6	0.1	1.81	2
180970073	2011	7	1	8	V	1.8	0.9	1.42	275
180970073	2011	7	1	9	V	4.7	2	1.47	234
180970073	2011	7	1	10	V	6.8	0	1.79	228
180970073	2011	7	1	11	V	7.1	0	1.81	245
180970073	2011	7	1	12	V	2.0	0	0.92	261
180970073	2011	7	1	13	V	1.3	0	1.11	33
180970073	2011	7	1	14	V	0.3	0	1.98	103
180970073	2011	7	1	15	V	0.4	0	1.69	115
180970073	2011	7	1	16	V	0.4	0	1.54	185
180970073	2011	7	1	17	V	7.1	0	3.13	237
180970073	2011	7	1	18	V	2.6	0	3.07	227
180970073	2011	7	1	19	V	0.04	1.5	3.67	210
180970073	2011	7	1	20	V	3.3	13.1	3.36	225
180970073	2011	7	1	21	V	7.2	18.1	1.28	245
180970073	2011	7	1	22	V	0.8	4.6	0.69	316
180970073	2011	7	1	23	V	0.2	2.6	1.23	126
180970073	2011	7	1	24	V	0.03	2.8	2.66	135
180970073	2011	7	2	1	V	0.03	2.3	2.91	154
180970073	2011	7	2	2	V	0.07	0	1.87	180
180970073	2011	7	2	3	V	0.2	0	1.43	206
180970073	2011	7	2	4	V	0.1	0	1.47	209
180970073	2011	7	2	5	V	0.4	0	1.82	181
180970073	2011	7	2	6	V	0.8	0	2.01	206
180970073	2011	7	2	7	V	0.6	0.2	2.2	177
180970073	2011	7	2	8	V	3.5	9.9	2.76	218
180970073	2011	7	2	9	V	2.0	31.2	2.1	267
180970073	2011	7	2	10	V	0.1	23.8	3.9	188

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	2	11	V	0.7	9	3.93	210
180970073	2011	7	2	12	V	0.2	19.1	4.6	206
180970073	2011	7	2	13	V	0.1	5	4.97	203
180970073	2011	7	2	14	V	0.05	0.6	4.97	199
180970073	2011	7	2	15	V	0.5	0	5.27	214
180970073	2011	7	2	16	V	0.1	2.8	5.09	208
180970073	2011	7	2	17	V	0.04	6.3	5.11	207
180970073	2011	7	2	18	V	0.01	4.9	6.01	208
180970073	2011	7	2	19	V	0.03	0	6.04	209
180970073	2011	7	2	20	V	0.04	0	4.39	201
180970073	2011	7	2	21	V	0.04	0	3.85	213
180970073	2011	7	2	22	V	0.06	1.4	2.23	215
180970073	2011	7	2	23	V	0.04	0	6.84	18
180970073	2011	7	2	24	V	0.03	0	4.51	284
180970073	2011	7	3	1	V	0.02	0	10.14	186
180970073	2011	7	3	2	V	0.06	0	7.55	215
180970073	2011	7	3	3	V	0.03	0	6.82	282
180970073	2011	7	3	4	V	0.03	0	5.04	276
180970073	2011	7	3	5	V	0.1	0	2.86	31
180970073	2011	7	3	6	V	0.07	0	4.11	31
180970073	2011	7	3	7	V	0.1	0	3.37	52
180970073	2011	7	3	8	V	0.2	0	2.88	78
180970073	2011	7	3	9	V	0.5	0	1.55	162
180970073	2011	7	3	10	V	5.7	0	1.74	235
180970073	2011	7	3	11	V	4.0	0	1.87	233
180970073	2011	7	3	12	V	3.0	1.2	1.6	237
180970073	2011	7	3	13	V	2.8	1.4	2.16	243
180970073	2011	7	3	14	V	3.5	13.1	2.79	248
180970073	2011	7	3	15	V	0.2	6.3	2.62	282
180970073	2011	7	3	16	V	0.09	0	2.76	338
180970073	2011	7	3	17	V	0.08	0	2.93	328
180970073	2011	7	3	18	V	0.02	0	3.83	332
180970073	2011	7	3	19	V	0.04	0	4.36	325
180970073	2011	7	3	20	V	0.04	0	3.74	318
180970073	2011	7	3	21	V	0.03	0	2.93	296
180970073	2011	7	3	22	V	0.1	0	2.86	266
180970073	2011	7	3	23	V	4.1	-999	5.26	242
180970073	2011	7	3	24	V	0.03	12.6	2.78	274
180970073	2011	7	4	1	V	0.03	0	2.93	24
180970073	2011	7	4	2	V	0.03	0	3.42	27
180970073	2011	7	4	3	V	0.06	0	1.77	352
180970073	2011	7	4	4	V	0.3	0	1.15	297
180970073	2011	7	4	5	V	0.9	0	1.2	279
180970073	2011	7	4	6	V	1.0	0	1.76	274
180970073	2011	7	4	7	V	6.5	0	2.72	256
180970073	2011	7	4	8	V	0.2	0	2.52	332

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	4	9	V	0.6	0	1.43	25
180970073	2011	7	4	10	V	0.4	0	1.77	289
180970073	2011	7	4	11	V	0.1	0	2.61	342
180970073	2011	7	4	12	V	0.9	0	1.47	326
180970073	2011	7	4	13	V	0.7	5.7	1.76	323
180970073	2011	7	4	14	V	0.4	5.3	2.23	334
180970073	2011	7	4	15	V	0.07	0	3.51	318
180970073	2011	7	4	16	V	0.04	0	4.39	337
180970073	2011	7	4	17	V	0.02	0	5.67	344
180970073	2011	7	4	18	V	0.01	0	5.04	346
180970073	2011	7	4	19	V	0.04	0	5.05	350
180970073	2011	7	4	20	V	0.04	0	4.58	357
180970073	2011	7	4	21	V	0.03	0	3.01	338
180970073	2011	7	4	22	V	0.05	0	2.3	300
180970073	2011	7	4	23	V	0.02	0.5	3.25	334
180970073	2011	7	4	24	V	0.09	1.3	1.74	327
180970073	2011	7	5	1	V	0.2	0	1.35	325
180970073	2011	7	5	2	V	0.2	0	1.4	334
180970073	2011	7	5	3	V	0.05	0	2.3	9
180970073	2011	7	5	4	V	0.06	0	2.06	16
180970073	2011	7	5	5	V	0.5	0	1.64	8
180970073	2011	7	5	6	V	0.4	0	2.16	20
180970073	2011	7	5	7	V	0.5	0	2.3	23
180970073	2011	7	5	8	V	0.3	0	2.32	26
180970073	2011	7	5	9	V	0.5	0	2.06	36
180970073	2011	7	5	10	V	1.1	0	1.69	34
180970073	2011	7	5	11	V	1.1	0	1.69	31
180970073	2011	7	5	12	V	1.0	0	1.76	27
180970073	2011	7	5	13	V	0.9	0	1.74	350
180970073	2011	7	5	14	V	1.2	0	2.03	207
180970073	2011	7	5	15	V	2.4	0	2.47	241
180970073	2011	7	5	16	V	0.3	0	2.45	193
180970073	2011	7	5	17	V	0.6	0	3.44	212
180970073	2011	7	5	18	V	3.8	0	3.08	227
180970073	2011	7	5	19	V	0.08	3.4	3.58	267
180970073	2011	7	5	20	V	0.2	4.2	3.3	264
180970073	2011	7	5	21	V	0.05	0	2.59	290
180970073	2011	7	5	22	V	0.05	0	2.73	325
180970073	2011	7	5	23	V	0.06	0	2.32	336
180970073	2011	7	5	24	V	0.2	0	1.42	12
180970073	2011	7	6	1	V	0.3	0	1.18	327
180970073	2011	7	6	2	V	6.2	0	0.67	259
180970073	2011	7	6	3	V	0.07	0	1.96	283
180970073	2011	7	6	4	V	0.2	0	1.26	38
180970073	2011	7	6	5	V	2.9	0	0.96	276
180970073	2011	7	6	6	V	13.9	0	1.54	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	6	7	V	7.5	0	1.33	258
180970073	2011	7	6	8	V	2.5	0	1.55	255
180970073	2011	7	6	9	V	1.4	0	1.86	255
180970073	2011	7	6	10	V	0.7	7.5	2.71	271
180970073	2011	7	6	11	V	0.2	22.7	3.2	291
180970073	2011	7	6	12	V	0.4	21.4	2.5	292
180970073	2011	7	6	13	V	0.4	17.7	2.38	312
180970073	2011	7	6	14	V	1.0	1.9	2.81	263
180970073	2011	7	6	15	V	0.3	0	2.42	288
180970073	2011	7	6	16	V	0.1	0	3.18	310
180970073	2011	7	6	17	V	0.07	0	3.15	322
180970073	2011	7	6	18	V	0.03	0	3.51	305
180970073	2011	7	6	19	V	0.04	0	3.52	310
180970073	2011	7	6	20	V	0.04	0	3.57	315
180970073	2011	7	6	21	V	0.04	0	3.03	319
180970073	2011	7	6	22	V	0.06	0	2.49	326
180970073	2011	7	6	23	V	0.09	0	2.05	324
180970073	2011	7	6	24	V	0.08	0	2.1	4
180970073	2011	7	7	1	V	0.04	0	2.79	36
180970073	2011	7	7	2	V	0.03	0	2.96	32
180970073	2011	7	7	3	V	0.1	0	1.62	12
180970073	2011	7	7	4	V	0.09	0	1.72	15
180970073	2011	7	7	5	V	0.3	0	2.06	28
180970073	2011	7	7	6	V	0.4	0	2.47	26
180970073	2011	7	7	7	V	0.4	0	2.23	40
180970073	2011	7	7	8	V	0.3	0	2.5	89
180970073	2011	7	7	9	V	0.2	0	2.5	111
180970073	2011	7	7	10	M	-999	0	1.76	999
180970073	2011	7	7	11	V	0.9	0	1.48	195
180970073	2011	7	7	12	V	0.9	0	1.4	32
180970073	2011	7	7	13	V	0.2	0	2.33	164
180970073	2011	7	7	14	V	0.3	0	2.18	195
180970073	2011	7	7	15	V	0.08	0	2.86	168
180970073	2011	7	7	16	V	0.05	0	3.73	171
180970073	2011	7	7	17	V	0.02	0	4.71	54
180970073	2011	7	7	18	V	0.02	0	2.98	58
180970073	2011	7	7	19	V	0.05	0	2.64	52
180970073	2011	7	7	20	V	0.05	0	2.64	10
180970073	2011	7	7	21	V	0.05	0	2.55	6
180970073	2011	7	7	22	V	0.09	0	1.91	6
180970073	2011	7	7	23	V	0.2	0	1.43	22
180970073	2011	7	7	24	V	0.2	0	1.47	98
180970073	2011	7	8	1	V	0.03	0	3.85	321
180970073	2011	7	8	2	V	0.03	0	4.68	355
180970073	2011	7	8	3	V	0.03	0	4.78	34
180970073	2011	7	8	4	V	19.3	0	2.64	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	8	5	V	0.2	0	2.21	343
180970073	2011	7	8	6	V	0.5	0	1.77	73
180970073	2011	7	8	7	V	0.7	0	1.94	96
180970073	2011	7	8	8	V	1.0	0	1.77	68
180970073	2011	7	8	9	V	2.3	0	1.26	123
180970073	2011	7	8	10	V	0.4	9.4	2.42	29
180970073	2011	7	8	11	V	0.07	0.5	4.44	18
180970073	2011	7	8	12	V	0.04	0	5.21	22
180970073	2011	7	8	13	V	0.04	0	5.39	18
180970073	2011	7	8	14	V	0.04	0	5.07	30
180970073	2011	7	8	15	V	0.02	0	5.29	22
180970073	2011	7	8	16	V	0.03	0	5.36	23
180970073	2011	7	8	17	V	0.02	0	5.09	16
180970073	2011	7	8	18	V	0.01	0	5.02	17
180970073	2011	7	8	19	V	0.03	0	5.26	2
180970073	2011	7	8	20	V	0.03	0	4.08	9
180970073	2011	7	8	21	V	0.03	0	3.98	342
180970073	2011	7	8	22	V	0.03	0	4.05	352
180970073	2011	7	8	23	V	0.03	0	3.93	359
180970073	2011	7	8	24	V	0.03	0	3.91	16
180970073	2011	7	9	1	V	0.02	0	3.58	27
180970073	2011	7	9	2	V	0.02	0	3.76	31
180970073	2011	7	9	3	V	0.03	0	2.83	39
180970073	2011	7	9	4	V	0.04	0	2.54	36
180970073	2011	7	9	5	V	0.2	0	2.54	39
180970073	2011	7	9	6	V	0.4	0	2.18	44
180970073	2011	7	9	7	V	0.3	0	2.47	77
180970073	2011	7	9	8	V	0.2	0	2.59	108
180970073	2011	7	9	9	V	0.2	0	3.07	118
180970073	2011	7	9	10	V	0.1	0	3.83	122
180970073	2011	7	9	11	V	0.07	0	4.2	107
180970073	2011	7	9	12	V	0.1	0	3.2	141
180970073	2011	7	9	13	V	0.1	0	3.18	141
180970073	2011	7	9	14	V	0.1	0	2.86	161
180970073	2011	7	9	15	V	0.09	0	3.01	170
180970073	2011	7	9	16	V	0.09	0	2.91	190
180970073	2011	7	9	17	V	0.05	0	2.96	142
180970073	2011	7	9	18	V	0.03	0	2.35	157
180970073	2011	7	9	19	V	0.03	0	3.03	172
180970073	2011	7	9	20	V	0.03	0	2.79	177
180970073	2011	7	9	21	V	0.04	0	2.27	167
180970073	2011	7	9	22	V	0.03	0	2.95	133
180970073	2011	7	9	23	V	0.02	0	3.61	154
180970073	2011	7	9	24	V	0.02	0	3.42	161
180970073	2011	7	10	1	V	0.02	0	3.18	152
180970073	2011	7	10	2	V	0.02	0	3.39	169

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	10	3	V	0.05	0	2.04	184
180970073	2011	7	10	4	V	0.04	0	2.15	164
180970073	2011	7	10	5	V	0.4	0	1.67	180
180970073	2011	7	10	6	V	0.6	0	1.86	143
180970073	2011	7	10	7	V	0.8	0	1.52	141
180970073	2011	7	10	8	V	0.7	0	1.59	163
180970073	2011	7	10	9	V	0.2	0	3	167
180970073	2011	7	10	10	V	0.2	0	3.05	176
180970073	2011	7	10	11	V	0.2	0	2.98	155
180970073	2011	7	10	12	V	0.2	0	3.05	152
180970073	2011	7	10	13	V	0.1	0	3.18	159
180970073	2011	7	10	14	V	0.09	0	3.46	155
180970073	2011	7	10	15	V	0.08	0	3.49	184
180970073	2011	7	10	16	V	0.08	0	3.2	175
180970073	2011	7	10	17	V	0.06	0	3.2	193
180970073	2011	7	10	18	V	0.06	0	4.24	174
180970073	2011	7	10	19	V	0.03	0	4.48	174
180970073	2011	7	10	20	V	0.03	0	3.9	174
180970073	2011	7	10	21	V	0.03	0	3.41	162
180970073	2011	7	10	22	V	0.03	0	3.91	159
180970073	2011	7	10	23	V	0.03	-999	3.75	159
180970073	2011	7	10	24	V	0.03	0	4.02	168
180970073	2011	7	11	1	V	0.02	0	3.13	150
180970073	2011	7	11	2	V	0.02	0	2.74	149
180970073	2011	7	11	3	V	0.02	0	2.95	149
180970073	2011	7	11	4	V	0.03	0	3.08	155
180970073	2011	7	11	5	V	0.2	0	2.81	145
180970073	2011	7	11	6	V	0.2	0	3.54	156
180970073	2011	7	11	7	V	0.2	0	3.73	172
180970073	2011	7	11	8	V	0.09	0	4.27	194
180970073	2011	7	11	9	V	0.5	0.5	4.97	214
180970073	2011	7	11	10	V	1.8	16.4	5.75	224
180970073	2011	7	11	11	V	1.6	18.8	4.75	223
180970073	2011	7	11	12	V	0.3	5.9	5.44	268
180970073	2011	7	11	13	V	0.2	-999	4.03	275
180970073	2011	7	11	14	V	0.4	0	3.13	270
180970073	2011	7	11	15	V	0.4	0	3.83	211
180970073	2011	7	11	16	V	0.01	0	6.19	202
180970073	2011	7	11	17	V	0.02	0	7.15	211
180970073	2011	7	11	18	V	0.8	1.8	7.38	224
180970073	2011	7	11	19	V	4.2	0	7.18	245
180970073	2011	7	11	20	V	4.0	0	5.96	257
180970073	2011	7	11	21	V	0.8	0	4.2	262
180970073	2011	7	11	22	V	0.05	0	2.13	348
180970073	2011	7	11	23	V	0.07	0	2.03	346
180970073	2011	7	11	24	V	0.1	0	1.77	310

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	12	1	V	0.2	0	1.5	275
180970073	2011	7	12	2	V	0.2	0	1.42	298
180970073	2011	7	12	3	V	0.05	0	2.49	320
180970073	2011	7	12	4	V	0.04	0	2.69	318
180970073	2011	7	12	5	V	0.4	0	1.96	322
180970073	2011	7	12	6	V	1.4	0	1.65	283
180970073	2011	7	12	7	V	0.4	0	2.28	293
180970073	2011	7	12	8	V	0.1	0	3.73	334
180970073	2011	7	12	9	V	0.4	0	2.54	356
180970073	2011	7	12	10	V	1.0	0	1.71	321
180970073	2011	7	12	11	V	0.5	0	2.33	321
180970073	2011	7	12	12	V	0.5	0	2.27	313
180970073	2011	7	12	13	V	0.2	0	3.34	316
180970073	2011	7	12	14	V	0.06	0	4.46	320
180970073	2011	7	12	15	V	0.05	0	4.36	329
180970073	2011	7	12	16	V	0.03	0	4.94	330
180970073	2011	7	12	17	V	0.02	0	4.36	349
180970073	2011	7	12	18	V	0.01	0	4.44	351
180970073	2011	7	12	19	V	0.04	0	2.42	358
180970073	2011	7	12	20	V	0.07	0	1.98	312
180970073	2011	7	12	21	V	0.04	0	3.63	339
180970073	2011	7	12	22	V	0.04	0	2.86	273
180970073	2011	7	12	23	V	0.8	0	2.86	262
180970073	2011	7	12	24	V	0.04	0	3.36	325
180970073	2011	7	13	1	C	-999	0	0	0
180970073	2011	7	13	2	V	0.08	0	1.76	349
180970073	2011	7	13	3	V	0.03	0	3.86	28
180970073	2011	7	13	4	V	0.04	0	3.86	36
180970073	2011	7	13	5	V	0.05	0	4.36	19
180970073	2011	7	13	6	V	0.08	0	4.36	358
180970073	2011	7	13	7	V	0.1	0	4.36	30
180970073	2011	7	13	8	C	-999	0	0	0
180970073	2011	7	13	9	V	0.1	0	3.86	14
180970073	2011	7	13	10	C	-999	0	0	0
180970073	2011	7	13	11	C	-999	0	0	0
180970073	2011	7	13	12	V	0.2	0	2.86	43
180970073	2011	7	13	13	V	0.2	0	3.36	32
180970073	2011	7	13	14	V	0.05	0	4.86	22
180970073	2011	7	13	15	M	-999	0	2.86	999
180970073	2011	7	13	16	V	0.03	0	5.36	27
180970073	2011	7	13	17	V	0.02	0	5.96	44
180970073	2011	7	13	18	V	0.01	0	5.36	27
180970073	2011	7	13	19	V	0.03	0	5.96	32
180970073	2011	7	13	20	V	0.03	0	5.36	10
180970073	2011	7	13	21	V	0.03	0	4.36	18
180970073	2011	7	13	22	V	0.04	0	2.86	9

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	13	23	V	0.03	0	3.36	7
180970073	2011	7	13	24	V	0.03	0	3.86	28
180970073	2011	7	14	1	V	0.03	0	4.86	68
180970073	2011	7	14	2	V	0.02	0	5.36	89
180970073	2011	7	14	3	V	0.02	0	4.61	88
180970073	2011	7	14	4	V	0.02	0	4.73	87
180970073	2011	7	14	5	V	0.04	0	4.94	87
180970073	2011	7	14	6	V	0.1	0	4.26	79
180970073	2011	7	14	7	V	0.08	0	4.7	79
180970073	2011	7	14	8	V	0.04	1	5.56	88
180970073	2011	7	14	9	V	0.05	0.2	5.39	86
180970073	2011	7	14	10	V	0.06	0	4.54	87
180970073	2011	7	14	11	V	0.06	0	4.22	110
180970073	2011	7	14	12	V	0.1	0	3.32	106
180970073	2011	7	14	13	V	0.2	0	2.83	78
180970073	2011	7	14	14	V	0.1	0	3.16	103
180970073	2011	7	14	15	V	0.09	0	3.22	80
180970073	2011	7	14	16	V	0.05	0	3.61	100
180970073	2011	7	14	17	V	0.05	0	3.68	96
180970073	2011	7	14	18	V	0.02	0	3.68	104
180970073	2011	7	14	19	V	0.03	0	4.12	104
180970073	2011	7	14	20	V	0.03	0	4.09	104
180970073	2011	7	14	21	V	0.03	0	3.61	109
180970073	2011	7	14	22	V	0.03	0	3.27	97
180970073	2011	7	14	23	V	0.03	0	3.22	92
180970073	2011	7	14	24	V	0.03	0	2.93	91
180970073	2011	7	15	1	V	0.05	0	2.67	91
180970073	2011	7	15	2	V	0.04	0	2.76	90
180970073	2011	7	15	3	V	0.03	0	2.81	86
180970073	2011	7	15	4	V	0.05	0	2.2	72
180970073	2011	7	15	5	V	0.2	0	2.47	76
180970073	2011	7	15	6	V	0.4	0	2.25	51
180970073	2011	7	15	7	V	0.4	0	2.11	61
180970073	2011	7	15	8	V	0.5	0	2.06	54
180970073	2011	7	15	9	V	0.4	0.5	2.32	46
180970073	2011	7	15	10	V	0.1	1.1	3.95	47
180970073	2011	7	15	11	V	0.06	0.1	4.88	46
180970073	2011	7	15	12	V	0.08	0.9	4.26	57
180970073	2011	7	15	13	V	0.1	0	3.58	38
180970073	2011	7	15	14	V	0.1	0	3.3	59
180970073	2011	7	15	15	V	0.1	0	3.17	73
180970073	2011	7	15	16	V	0.1	0	2.83	40
180970073	2011	7	15	17	V	0.04	0	3.57	34
180970073	2011	7	15	18	V	0.02	0	3.51	33
180970073	2011	7	15	19	V	0.04	0	4.26	39
180970073	2011	7	15	20	V	0.04	0	3.58	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	15	21	V	0.03	0	2.98	91
180970073	2011	7	15	22	V	0.07	0	2.03	78
180970073	2011	7	15	23	V	0.1	0	1.62	355
180970073	2011	7	15	24	V	0.4	0	1.06	60
180970073	2011	7	16	1	V	0.2	0	1.4	17
180970073	2011	7	16	2	V	0.1	0	1.47	352
180970073	2011	7	16	3	V	0.2	0	1.43	6
180970073	2011	7	16	4	V	0.1	0	1.55	9
180970073	2011	7	16	5	V	0.4	0	1.86	29
180970073	2011	7	16	6	V	0.4	0	2.28	41
180970073	2011	7	16	7	V	0.3	0	2.32	90
180970073	2011	7	16	8	V	0.2	0	2.79	122
180970073	2011	7	16	9	V	0.1	0	3.01	121
180970073	2011	7	16	10	V	0.2	0	3.03	107
180970073	2011	7	16	11	V	0.1	0	3.52	138
180970073	2011	7	16	12	V	0.2	1.7	2.95	160
180970073	2011	7	16	13	V	1.0	2.8	2.11	200
180970073	2011	7	16	14	V	0.3	1.1	2.3	194
180970073	2011	7	16	15	V	0.1	0.1	2.83	170
180970073	2011	7	16	16	V	0.2	0	2.61	171
180970073	2011	7	16	17	V	0.07	0	3.3	186
180970073	2011	7	16	18	V	0.02	0	3.46	193
180970073	2011	7	16	19	V	0.03	0	3.25	215
180970073	2011	7	16	20	V	0.04	0	2.88	218
180970073	2011	7	16	21	V	13.4	0	2.13	251
180970073	2011	7	16	22	V	2.9	0	0.75	265
180970073	2011	7	16	23	V	0.1	0	1.62	286
180970073	2011	7	16	24	V	25.4	0.4	0.7	232
180970073	2011	7	17	1	V	11.3	0	0.7	246
180970073	2011	7	17	2	C	-999	0	0	0
180970073	2011	7	17	3	V	0.5	0	0.91	192
180970073	2011	7	17	4	V	0.05	0	2.03	196
180970073	2011	7	17	5	V	0.5	0	1.47	204
180970073	2011	7	17	6	V	0.8	0	1.48	134
180970073	2011	7	17	7	V	0.9	0	1.45	152
180970073	2011	7	17	8	V	2.8	0	1.42	211
180970073	2011	7	17	9	V	3.8	7.4	1.77	242
180970073	2011	7	17	10	V	7.4	6.8	1.64	240
180970073	2011	7	17	11	V	0.8	5.5	2.73	271
180970073	2011	7	17	12	V	0.7	5	3.35	268
180970073	2011	7	17	13	V	0.1	3.7	3.71	282
180970073	2011	7	17	14	V	0.5	1.5	3.61	269
180970073	2011	7	17	15	V	0.08	0	3.47	284
180970073	2011	7	17	16	V	0.06	0	3.75	281
180970073	2011	7	17	17	V	0.02	0	4.42	297
180970073	2011	7	17	18	V	0.01	0	4.56	293

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	17	19	V	0.02	0	3.93	298
180970073	2011	7	17	20	V	0.02	0	3.29	291
180970073	2011	7	17	21	V	0.03	0	2.47	282
180970073	2011	7	17	22	V	0.02	0	3.51	214
180970073	2011	7	17	23	V	0.02	-999	3.54	217
180970073	2011	7	17	24	V	0.02	13.9	2.98	219
180970073	2011	7	18	1	V	1.7	19.8	3.1	240
180970073	2011	7	18	2	V	3.9	11.5	3.18	246
180970073	2011	7	18	3	V	2.0	4.5	2.84	258
180970073	2011	7	18	4	V	22.1	1.4	2.59	232
180970073	2011	7	18	5	V	9.9	1.2	2.62	242
180970073	2011	7	18	6	V	10.1	1.6	3.22	242
180970073	2011	7	18	7	V	12.0	3.8	3.64	238
180970073	2011	7	18	8	V	0.4	3.1	3.8	272
180970073	2011	7	18	9	V	0.2	0	4.85	273
180970073	2011	7	18	10	V	0.4	0	5.62	265
180970073	2011	7	18	11	V	1.0	0.7	5.96	256
180970073	2011	7	18	12	V	1.6	0	5.44	249
180970073	2011	7	18	13	V	0.4	0	5.34	264
180970073	2011	7	18	14	V	0.3	0	6.62	264
180970073	2011	7	18	15	V	0.4	0	6.33	263
180970073	2011	7	18	16	V	1.4	0	6.18	247
180970073	2011	7	18	17	V	1.4	0	6.12	246
180970073	2011	7	18	18	V	2.6	0.1	5.9	239
180970073	2011	7	18	19	V	4.0	0	5.94	257
180970073	2011	7	18	20	V	0.2	0.8	5.48	267
180970073	2011	7	18	21	V	8.2	2.4	4.31	250
180970073	2011	7	18	22	V	3.7	1.9	4	243
180970073	2011	7	18	23	V	21.0	9.3	4.19	236
180970073	2011	7	18	24	V	24.3	1.8	4.82	234
180970073	2011	7	19	1	V	21.3	11.8	5.24	235
180970073	2011	7	19	2	V	0.2	8.3	3.73	264
180970073	2011	7	19	3	V	7.7	4	4.48	249
180970073	2011	7	19	4	V	7.3	15.8	4.85	249
180970073	2011	7	19	5	V	2.2	15.8	5.67	247
180970073	2011	7	19	6	V	2.3	2.7	5.56	255
180970073	2011	7	19	7	V	1.8	0.5	5.04	259
180970073	2011	7	19	8	V	0.7	0	4.41	265
180970073	2011	7	19	9	V	0.07	0	4.44	289
180970073	2011	7	19	10	V	0.09	0	3.49	298
180970073	2011	7	19	11	V	0.3	0	2.67	289
180970073	2011	7	19	12	V	0.4	0	3.32	275
180970073	2011	7	19	13	V	0.9	0	3.68	262
180970073	2011	7	19	14	V	0.3	0	4.99	269
180970073	2011	7	19	15	V	0.03	0	5.38	279
180970073	2011	7	19	16	V	0.04	0	4.87	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	19	17	V	0.02	0	5.17	301
180970073	2011	7	19	18	V	0.01	0	5.14	303
180970073	2011	7	19	19	V	0.04	0	5.26	319
180970073	2011	7	19	20	V	0.04	0	3.78	356
180970073	2011	7	19	21	V	0.04	0	2.64	355
180970073	2011	7	19	22	V	0.1	0	1.72	3
180970073	2011	7	19	23	V	0.4	0	1.16	350
180970073	2011	7	19	24	V	8.2	0	1.84	255
180970073	2011	7	20	1	V	0.3	0	2.21	263
180970073	2011	7	20	2	V	0.07	0	2.03	281
180970073	2011	7	20	3	V	4.1	0	1.42	259
180970073	2011	7	20	4	V	1.2	0	2.71	244
180970073	2011	7	20	5	V	12.9	0	2.49	227
180970073	2011	7	20	6	V	15.1	0	1.5	245
180970073	2011	7	20	7	V	2.9	0	0.57	219
180970073	2011	7	20	8	V	2.5	0	0.65	178
180970073	2011	7	20	9	V	7.5	0	2.22	236
180970073	2011	7	20	10	V	4.8	10	2.44	225
180970073	2011	7	20	11	V	1.8	11.9	1.99	217
180970073	2011	7	20	12	V	3.4	19.5	2.64	225
180970073	2011	7	20	13	V	3.3	5.8	3.8	229
180970073	2011	7	20	14	V	1.6	2.7	5.27	248
180970073	2011	7	20	15	V	0.4	0	6.62	262
180970073	2011	7	20	16	V	0.3	0	7.33	263
180970073	2011	7	20	17	V	1.2	0	7.31	246
180970073	2011	7	20	18	V	1.6	0	7.42	254
180970073	2011	7	20	19	V	0.03	0	7.11	276
180970073	2011	7	20	20	V	0.8	0	4.85	263
180970073	2011	7	20	21	V	8.4	0	3.35	254
180970073	2011	7	20	22	V	10.8	0	3.15	251
180970073	2011	7	20	23	V	7.5	0	3.59	248
180970073	2011	7	20	24	V	3.4	0	3.34	240
180970073	2011	7	21	1	V	13.6	0	2.91	237
180970073	2011	7	21	2	V	22.1	0	2.96	235
180970073	2011	7	21	3	V	0.02	0.2	3.15	216
180970073	2011	7	21	4	V	0.7	1.4	3.05	242
180970073	2011	7	21	5	V	15.4	0.9	2.84	232
180970073	2011	7	21	6	V	16.0	1.2	2.64	228
180970073	2011	7	21	7	V	15.8	4.6	3.08	240
180970073	2011	7	21	8	V	5.1	6.5	3.76	244
180970073	2011	7	21	9	V	1.9	8.6	3.97	252
180970073	2011	7	21	10	V	0.8	2	4.09	262
180970073	2011	7	21	11	V	0.4	0	4.65	267
180970073	2011	7	21	12	V	0.2	0	4.88	272
180970073	2011	7	21	13	V	0.5	0	4.72	263
180970073	2011	7	21	14	V	0.1	0	4.36	277

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	21	15	V	0.5	0	4.63	262
180970073	2011	7	21	16	V	0.2	0	4.9	270
180970073	2011	7	21	17	V	0.4	0	5.1	264
180970073	2011	7	21	18	V	0.7	0	4.63	260
180970073	2011	7	21	19	V	15.5	0	4.95	237
180970073	2011	7	21	20	V	21.9	1	4.03	230
180970073	2011	7	21	21	V	0.03	0.6	3.46	214
180970073	2011	7	21	22	V	0.03	0	3.4	213
180970073	2011	7	21	23	V	0.03	0.2	3.92	216
180970073	2011	7	21	24	V	7.9	20.5	3.74	227
180970073	2011	7	22	1	V	20.1	25.6	3.81	236
180970073	2011	7	22	2	V	3.0	2.8	3.23	240
180970073	2011	7	22	3	V	2.6	6.3	3.25	245
180970073	2011	7	22	4	V	1.4	6.2	3.29	241
180970073	2011	7	22	5	V	8.3	2.8	2.91	245
180970073	2011	7	22	6	V	2.4	2.4	3.08	216
180970073	2011	7	22	7	V	6.6	4.2	2.84	220
180970073	2011	7	22	8	V	7.0	14.6	3.61	234
180970073	2011	7	22	9	V	3.0	20.2	4.12	232
180970073	2011	7	22	10	V	1.7	14	4.07	220
180970073	2011	7	22	11	V	1.2	12.3	4.63	218
180970073	2011	7	22	12	V	0.6	0	5.43	215
180970073	2011	7	22	13	V	0.9	1.6	5.62	218
180970073	2011	7	22	14	V	0.5	2.7	5.89	216
180970073	2011	7	22	15	V	2.1	1.2	4.92	235
180970073	2011	7	22	16	V	2.1	0.9	5.14	229
180970073	2011	7	22	17	V	0.2	0.9	5.46	214
180970073	2011	7	22	18	V	0.01	1.1	5.21	210
180970073	2011	7	22	19	V	0.03	0.6	5.43	208
180970073	2011	7	22	20	V	0.03	2	5.09	207
180970073	2011	7	22	21	V	0.03	0.4	3.49	209
180970073	2011	7	22	22	V	0.03	0	3.22	184
180970073	2011	7	22	23	V	0.03	0	3.46	194
180970073	2011	7	22	24	V	0.03	0	3.75	204
180970073	2011	7	23	1	V	0.02	0	3.46	217
180970073	2011	7	23	2	V	0.8	9.8	3.4	224
180970073	2011	7	23	3	V	0.3	8.2	3.35	223
180970073	2011	7	23	4	V	3.9	19.3	2.86	226
180970073	2011	7	23	5	V	15.8	14.5	2.42	229
180970073	2011	7	23	6	V	0.3	3.6	2.76	190
180970073	2011	7	23	7	V	0.2	4.9	3.17	198
180970073	2011	7	23	8	V	17.3	10.8	2.86	237
180970073	2011	7	23	9	V	7.5	15.7	3.86	230
180970073	2011	7	23	10	V	0.9	16.9	4.9	215
180970073	2011	7	23	11	V	0.3	6.6	5.39	214
180970073	2011	7	23	12	V	1.9	2.8	5.55	222

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	23	13	V	0.3	5	5.36	211
180970073	2011	7	23	14	V	1.0	0.9	5.99	220
180970073	2011	7	23	15	V	2.7	1.7	6.91	228
180970073	2011	7	23	16	V	0.8	1.6	6.4	220
180970073	2011	7	23	17	V	4.2	0.4	6.62	236
180970073	2011	7	23	18	V	6.1	0	6.75	233
180970073	2011	7	23	19	V	1.3	0.9	6.52	221
180970073	2011	7	23	20	V	0.04	0	4.89	210
180970073	2011	7	23	21	V	0.04	1.9	4.76	205
180970073	2011	7	23	22	V	0.04	5.1	4.02	216
180970073	2011	7	23	23	V	2.7	0.5	3.63	225
180970073	2011	7	23	24	V	4.9	13.3	3.46	239
180970073	2011	7	24	1	V	1.6	12.4	3.24	224
180970073	2011	7	24	2	V	0.7	7.2	3.07	224
180970073	2011	7	24	3	V	20.9	12.8	2.76	234
180970073	2011	7	24	4	V	4.7	6	2.23	246
180970073	2011	7	24	5	V	0.2	3.4	2.32	184
180970073	2011	7	24	6	V	4.3	1.7	2.16	217
180970073	2011	7	24	7	V	0.2	1.4	3.1	141
180970073	2011	7	24	8	V	0.08	2.5	4.09	189
180970073	2011	7	24	9	V	1.6	6.5	3.73	217
180970073	2011	7	24	10	V	4.1	24.5	4.71	225
180970073	2011	7	24	11	V	4.7	7.5	4.94	240
180970073	2011	7	24	12	V	0.5	1.9	4.7	264
180970073	2011	7	24	13	V	0.01	0	8.85	307
180970073	2011	7	24	14	V	0.03	0	4.77	349
180970073	2011	7	24	15	V	0.1	0	2.71	79
180970073	2011	7	24	16	V	0.07	0	2.95	197
180970073	2011	7	24	17	V	1.2	0	3.66	220
180970073	2011	7	24	18	V	0.06	6.2	5.34	282
180970073	2011	7	24	19	V	0.08	0	1.82	302
180970073	2011	7	24	20	V	0.05	0	2.45	317
180970073	2011	7	24	21	V	0.04	0	2.76	336
180970073	2011	7	24	22	V	0.07	0	1.67	321
180970073	2011	7	24	23	V	0.03	-999	2.44	294
180970073	2011	7	24	24	V	0.03	0	2.2	291
180970073	2011	7	25	1	V	0.02	0	2.69	276
180970073	2011	7	25	2	V	0.02	0	2.74	302
180970073	2011	7	25	3	V	0.02	0	3.47	312
180970073	2011	7	25	4	V	0.02	0	2.76	332
180970073	2011	7	25	5	V	0.05	0	2.89	343
180970073	2011	7	25	6	V	0.3	0	2.22	319
180970073	2011	7	25	7	V	0.3	0	2.62	303
180970073	2011	7	25	8	V	0.08	0	3.54	322
180970073	2011	7	25	9	V	0.07	0	3.93	320
180970073	2011	7	25	10	V	0.06	0	3.93	338

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	25	11	V	0.05	0	4.02	329
180970073	2011	7	25	12	V	0.03	0	5.19	339
180970073	2011	7	25	13	V	0.03	0	4.95	345
180970073	2011	7	25	14	V	0.02	0	5.07	352
180970073	2011	7	25	15	V	0.03	0	4.7	339
180970073	2011	7	25	16	V	0.03	0	4.29	323
180970073	2011	7	25	17	V	0.02	0	4.26	335
180970073	2011	7	25	18	V	0.01	0	4.73	328
180970073	2011	7	25	19	V	0.02	0	4.66	334
180970073	2011	7	25	20	V	0.02	0	4.85	351
180970073	2011	7	25	21	V	0.02	0	3.85	335
180970073	2011	7	25	22	V	0.02	0	2.88	353
180970073	2011	7	25	23	V	0.04	0	2.25	337
180970073	2011	7	25	24	V	0.06	0	1.99	302
180970073	2011	7	26	1	V	0.07	0	1.79	274
180970073	2011	7	26	2	V	0.09	0	1.5	281
180970073	2011	7	26	3	V	0.1	0	1.33	278
180970073	2011	7	26	4	V	1.4	0	1.53	262
180970073	2011	7	26	5	V	7.3	0	2.03	245
180970073	2011	7	26	6	V	6.4	0	1.7	258
180970073	2011	7	26	7	V	4.9	0	1.88	255
180970073	2011	7	26	8	V	2.4	0	2.16	249
180970073	2011	7	26	9	V	1.4	0	3	257
180970073	2011	7	26	10	V	0.09	0	3.42	296
180970073	2011	7	26	11	V	0.08	0	3.17	311
180970073	2011	7	26	12	V	0.1	0	2.61	300
180970073	2011	7	26	13	V	0.06	0	3.49	303
180970073	2011	7	26	14	V	0.05	0	3.97	299
180970073	2011	7	26	15	V	0.08	0	3.12	328
180970073	2011	7	26	16	V	0.03	0	3.78	316
180970073	2011	7	26	17	V	0.02	0	3.83	329
180970073	2011	7	26	18	V	0.01	0	4.41	316
180970073	2011	7	26	19	V	0.03	0	4.09	300
180970073	2011	7	26	20	V	0.03	0	2.62	313
180970073	2011	7	26	21	V	0.05	0	2.18	325
180970073	2011	7	26	22	V	0.08	0	1.69	359
180970073	2011	7	26	23	V	0.4	0	1.01	274
180970073	2011	7	26	24	V	0.6	0	0.8	37
180970073	2011	7	27	1	V	0.1	0	1.42	206
180970073	2011	7	27	2	V	0.1	0	1.4	75
180970073	2011	7	27	3	V	0.05	0	1.91	64
180970073	2011	7	27	4	V	0.03	0	2.39	56
180970073	2011	7	27	5	V	0.09	0	2.71	81
180970073	2011	7	27	6	V	0.1	1.1	3.29	92
180970073	2011	7	27	7	V	0.1	6.7	3.46	114
180970073	2011	7	27	8	V	0.08	0.6	3.92	133

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	27	9	V	0.1	0	3.42	150
180970073	2011	7	27	10	V	0.08	0	4.02	170
180970073	2011	7	27	11	V	0.05	0	4.39	178
180970073	2011	7	27	12	V	0.05	0	4.36	193
180970073	2011	7	27	13	V	0.03	0	5.19	195
180970073	2011	7	27	14	V	0.01	0	6.96	174
180970073	2011	7	27	15	V	0.04	0	4.36	180
180970073	2011	7	27	16	V	0.02	0	6.06	197
180970073	2011	7	27	17	V	0.01	0	5.87	201
180970073	2011	7	27	18	V	0.01	0	5.96	211
180970073	2011	7	27	19	V	0.04	0	5.38	214
180970073	2011	7	27	20	V	0.04	0	4.07	207
180970073	2011	7	27	21	V	0.04	0	4.05	193
180970073	2011	7	27	22	V	0.04	0	4.22	184
180970073	2011	7	27	23	V	0.04	0	3.71	190
180970073	2011	7	27	24	V	0.04	0.6	3.98	193
180970073	2011	7	28	1	V	0.04	0.6	3.2	199
180970073	2011	7	28	2	V	0.04	0.3	3.34	194
180970073	2011	7	28	3	V	0.03	0	2.76	183
180970073	2011	7	28	4	V	0.03	0.5	2.96	199
180970073	2011	7	28	5	V	0.1	0.2	2.57	201
180970073	2011	7	28	6	V	0.3	0	2.69	167
180970073	2011	7	28	7	V	0.6	0	2.2	190
180970073	2011	7	28	8	V	2.6	7.1	3.32	216
180970073	2011	7	28	9	V	8.7	45.6	4.87	226
180970073	2011	7	28	10	V	7.9	14	6.28	237
180970073	2011	7	28	11	V	6.6	4.3	6.6	238
180970073	2011	7	28	12	V	5.5	0.8	7.09	237
180970073	2011	7	28	13	V	3.2	0	7.62	240
180970073	2011	7	28	14	V	2.8	0	7.31	240
180970073	2011	7	28	15	V	3.6	0	6.35	235
180970073	2011	7	28	16	V	2.8	3.4	5.97	227
180970073	2011	7	28	17	V	0.05	0.4	5.99	212
180970073	2011	7	28	18	V	0.01	1.1	6.5	210
180970073	2011	7	28	19	V	0.03	1.9	6.79	204
180970073	2011	7	28	20	V	0.04	1.1	4.73	208
180970073	2011	7	28	21	V	0.03	0	4.26	191
180970073	2011	7	28	22	V	0.04	0	3.05	215
180970073	2011	7	28	23	V	0.03	0.2	3.32	209
180970073	2011	7	28	24	V	0.03	3.1	3.97	208
180970073	2011	7	29	1	V	0.03	11	3.35	214
180970073	2011	7	29	2	V	0.02	13.9	3.59	211
180970073	2011	7	29	3	V	0.02	12.9	3.46	215
180970073	2011	7	29	4	V	0.6	23.8	3.34	224
180970073	2011	7	29	5	V	0.08	11	3.78	213
180970073	2011	7	29	6	V	8.3	14.7	4.46	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	29	7	V	10.9	7.3	4.68	233
180970073	2011	7	29	8	V	9.0	10.4	4.88	233
180970073	2011	7	29	9	V	5.4	10.2	6.67	238
180970073	2011	7	29	10	V	2.4	4.7	8.23	242
180970073	2011	7	29	11	V	0.01	1	7.88	277
180970073	2011	7	29	12	V	0.2	0	4.76	272
180970073	2011	7	29	13	V	0.2	0	3.06	302
180970073	2011	7	29	14	V	2.3	0	1.88	249
180970073	2011	7	29	15	V	1.3	0	2.86	213
180970073	2011	7	29	16	V	2.6	6.9	4.65	243
180970073	2011	7	29	17	V	0.02	3.7	5.26	311
180970073	2011	7	29	18	V	6.5	0	4.71	254
180970073	2011	7	29	19	V	0.05	0	2.28	290
180970073	2011	7	29	20	V	0.05	0	2.56	192
180970073	2011	7	29	21	V	0.1	0	1.65	27
180970073	2011	7	29	22	V	0.1	0	1.77	13
180970073	2011	7	29	23	V	0.04	0	3.3	47
180970073	2011	7	29	24	V	0.04	0	2.69	329
180970073	2011	7	30	1	V	0.05	0	2.44	9
180970073	2011	7	30	2	V	0.05	0	2.08	65
180970073	2011	7	30	3	V	0.04	0	2.32	114
180970073	2011	7	30	4	V	0.04	0	2.22	29
180970073	2011	7	30	5	V	0.1	0	2.1	172
180970073	2011	7	30	6	V	3.2	0	1.28	208
180970073	2011	7	30	7	V	2.1	0	1.01	312
180970073	2011	7	30	8	V	1.6	0	1.26	338
180970073	2011	7	30	9	V	2.4	0	1.11	21
180970073	2011	7	30	10	V	2.8	0	0.99	88
180970073	2011	7	30	11	V	1.6	0	1.31	19
180970073	2011	7	30	12	V	1.2	0	1.62	195
180970073	2011	7	30	13	V	1.9	0	1.72	262
180970073	2011	7	30	14	V	0.8	0	2.08	276
180970073	2011	7	30	15	V	4.1	0	2.04	246
180970073	2011	7	30	16	V	0.2	0	2.64	277
180970073	2011	7	30	17	V	0.04	0	3.69	296
180970073	2011	7	30	18	V	0.01	0	4.39	111
180970073	2011	7	30	19	V	0.04	0	3.13	150
180970073	2011	7	30	20	V	0.2	0	1.4	111
180970073	2011	7	30	21	V	0.1	0	1.67	80
180970073	2011	7	30	22	V	0.04	0	2.62	52
180970073	2011	7	30	23	V	0.05	0	2.61	52
180970073	2011	7	30	24	V	0.1	0	1.65	53
180970073	2011	7	31	1	V	0.04	0	2.72	24
180970073	2011	7	31	2	V	0.03	0	3.03	36
180970073	2011	7	31	3	V	0.06	0	2.01	52
180970073	2011	7	31	4	V	0.1	0	1.59	62

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	7	31	5	V	0.06	0	1.96	65
180970073	2011	7	31	6	V	0.5	0	1.81	79
180970073	2011	7	31	7	V	1.1	0	1.55	77
180970073	2011	7	31	8	V	0.5	0	1.76	98
180970073	2011	7	31	9	V	0.3	0	2.33	114
180970073	2011	7	31	10	V	0.2	0	2.88	110
180970073	2011	7	31	11	V	0.5	0	2.42	128
180970073	2011	7	31	12	V	0.3	0	2.84	117
180970073	2011	7	31	13	V	0.2	0	2.96	139
180970073	2011	7	31	14	V	0.1	0	3.61	169
180970073	2011	7	31	15	V	0.1	0	3.44	169
180970073	2011	7	31	16	V	0.1	0	3.07	183
180970073	2011	7	31	17	V	0.1	0	2.73	128
180970073	2011	7	31	18	V	18.5	0	2.81	237
180970073	2011	7	31	19	V	0.03	0	3.3	285
180970073	2011	7	31	20	V	0.04	0	4.03	335
180970073	2011	7	31	21	V	0.04	0	2.93	351
180970073	2011	7	31	22	V	0.06	0	2.54	6
180970073	2011	7	31	23	V	0.1	-999	1.77	45
180970073	2011	7	31	24	V	0.2	0	1.5	125
180970073	2011	8	1	1	V	0.1	0	1.62	136
180970073	2011	8	1	2	V	0.1	0	1.62	177
180970073	2011	8	1	3	V	10.3	0	1.18	249
180970073	2011	8	1	4	V	0.1	0	1.48	125
180970073	2011	8	1	5	V	5.1	0	1.5	242
180970073	2011	8	1	6	V	2.4	0	0.87	350
180970073	2011	8	1	7	V	5.4	0	1.16	223
180970073	2011	8	1	8	V	3.4	3.5	1.79	229
180970073	2011	8	1	9	V	1.8	14.5	3	259
180970073	2011	8	1	10	V	0.8	3	3.13	268
180970073	2011	8	1	11	V	0.08	13.1	4.09	284
180970073	2011	8	1	12	V	0.1	10.3	4	305
180970073	2011	8	1	13	V	0.06	4.9	4.88	294
180970073	2011	8	1	14	V	0.07	0.3	4.37	299
180970073	2011	8	1	15	V	0.09	0	4.56	278
180970073	2011	8	1	16	V	0.07	0.1	4.48	276
180970073	2011	8	1	17	V	0.02	0.2	4.8	295
180970073	2011	8	1	18	V	0.02	0	3.73	330
180970073	2011	8	1	19	V	0.04	0	3.05	329
180970073	2011	8	1	20	V	0.05	0	2.44	3
180970073	2011	8	1	21	V	0.1	0	1.64	334
180970073	2011	8	1	22	V	0.8	0	0.89	331
180970073	2011	8	1	23	V	0.5	0	1.09	331
180970073	2011	8	1	24	V	32.9	0	1.42	230
180970073	2011	8	2	1	V	4.7	0	2.33	246
180970073	2011	8	2	2	V	0.06	0	2.37	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	2	3	V	1.0	0	0.91	268
180970073	2011	8	2	4	V	0.9	0	1.79	262
180970073	2011	8	2	5	V	16.6	0	2.1	233
180970073	2011	8	2	6	V	6.2	0	1.37	216
180970073	2011	8	2	7	V	12.1	0	1.5	223
180970073	2011	8	2	8	V	4.0	0.9	2.06	215
180970073	2011	8	2	9	V	6.5	11.8	2.93	244
180970073	2011	8	2	10	V	1.7	5	4.2	258
180970073	2011	8	2	11	V	3.5	5.7	3.2	252
180970073	2011	8	2	12	V	4.6	5.3	3.97	233
180970073	2011	8	2	13	V	0.4	9.4	4.83	212
180970073	2011	8	2	14	V	0.09	8.4	5.38	210
180970073	2011	8	2	15	V	0.02	8.6	5.87	206
180970073	2011	8	2	16	V	0.02	13.1	6.28	205
180970073	2011	8	2	17	V	0.06	5.5	6.82	216
180970073	2011	8	2	18	V	0.01	6.8	6.31	216
180970073	2011	8	2	19	V	1.3	2.9	6.28	221
180970073	2011	8	2	20	V	0.1	2.6	5.46	217
180970073	2011	8	2	21	V	0.03	0	3.73	210
180970073	2011	8	2	22	V	0.03	0	5.26	199
180970073	2011	8	2	23	V	0.03	0.7	5.87	197
180970073	2011	8	2	24	V	0.03	1.7	5.58	211
180970073	2011	8	3	1	V	1.4	2.7	4.99	222
180970073	2011	8	3	2	V	5.6	16.9	5.65	247
180970073	2011	8	3	3	V	0.04	0	3.61	22
180970073	2011	8	3	4	V	0.03	0	4.56	162
180970073	2011	8	3	5	V	0.02	2.4	5.33	212
180970073	2011	8	3	6	V	18.6	4.7	4.36	233
180970073	2011	8	3	7	V	6.0	0.2	3.23	257
180970073	2011	8	3	8	V	28.3	0.5	3.18	235
180970073	2011	8	3	9	V	4.3	8.3	3.44	254
180970073	2011	8	3	10	V	0.1	2.1	4.03	295
180970073	2011	8	3	11	V	0.05	0	6.01	322
180970073	2011	8	3	12	V	0.03	0	6.36	336
180970073	2011	8	3	13	V	0.02	0	7.25	337
180970073	2011	8	3	14	V	0.02	0	7.11	340
180970073	2011	8	3	15	V	0.02	0	7.5	321
180970073	2011	8	3	16	V	0.02	0	6.67	334
180970073	2011	8	3	17	V	0.01	0	6.89	328
180970073	2011	8	3	18	V	0.04	0	7.08	342
180970073	2011	8	3	19	V	0.03	0	6.94	344
180970073	2011	8	3	20	V	0.03	0	6.72	350
180970073	2011	8	3	21	V	0.03	0	5.46	355
180970073	2011	8	3	22	V	0.03	0	4.61	356
180970073	2011	8	3	23	V	0.03	0	4.2	345
180970073	2011	8	3	24	V	0.03	0	3.52	334

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	4	1	V	0.03	0	3.06	334
180970073	2011	8	4	2	V	0.02	0	3.58	353
180970073	2011	8	4	3	V	0.05	0	2.2	327
180970073	2011	8	4	4	V	0.05	0	2.23	335
180970073	2011	8	4	5	V	0.04	0	2.06	338
180970073	2011	8	4	6	V	0.2	0	2.71	340
180970073	2011	8	4	7	V	0.3	0	2.98	6
180970073	2011	8	4	8	V	0.2	0	3.39	40
180970073	2011	8	4	9	V	0.4	-999	2.45	31
180970073	2011	8	4	10	V	0.5	-999	2.23	53
180970073	2011	8	4	11	V	0.6	0	1.72	62
180970073	2011	8	4	12	V	0.6	0	1.76	340
180970073	2011	8	4	13	V	0.2	0	3.01	327
180970073	2011	8	4	14	V	0.09	0	3.51	1
180970073	2011	8	4	15	V	0.2	0	2.88	332
180970073	2011	8	4	16	V	0.2	0	2.79	343
180970073	2011	8	4	17	V	0.05	0	3.69	21
180970073	2011	8	4	18	V	0.05	0	3.47	8
180970073	2011	8	4	19	V	0.03	0	4.63	43
180970073	2011	8	4	20	V	0.03	0	4.8	69
180970073	2011	8	4	21	V	0.04	0	4	67
180970073	2011	8	4	22	V	0.04	0	3.2	38
180970073	2011	8	4	23	V	0.04	0	3.1	16
180970073	2011	8	4	24	V	0.03	0	3.44	38
180970073	2011	8	5	1	V	0.04	0	3.68	31
180970073	2011	8	5	2	V	0.03	0	2.67	44
180970073	2011	8	5	3	V	0.03	0	2.91	45
180970073	2011	8	5	4	V	0.03	0	2.84	81
180970073	2011	8	5	5	V	0.06	0	2.79	78
180970073	2011	8	5	6	V	0.1	0	3.51	90
180970073	2011	8	5	7	V	0.4	0	2.59	105
180970073	2011	8	5	8	V	0.2	3.2	3.22	116
180970073	2011	8	5	9	V	0.1	2.8	3.34	130
180970073	2011	8	5	10	V	0.09	1.8	3.66	131
180970073	2011	8	5	11	V	0.1	1.1	3.28	121
180970073	2011	8	5	12	V	0.07	2.2	3.98	147
180970073	2011	8	5	13	V	0.07	3.8	4.14	147
180970073	2011	8	5	14	V	0.05	11.5	4.07	162
180970073	2011	8	5	15	V	0.08	13.2	2.93	187
180970073	2011	8	5	16	V	0.04	4.1	3.56	199
180970073	2011	8	5	17	V	0.03	0	3.69	179
180970073	2011	8	5	18	V	11.8	0	3.56	227
180970073	2011	8	5	19	V	8.8	0	3.88	253
180970073	2011	8	5	20	V	0.05	0	2.54	218
180970073	2011	8	5	21	V	0.06	0	2.33	177
180970073	2011	8	5	22	V	0.03	0	3.25	169

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	5	23	V	0.04	0	2.67	194
180970073	2011	8	5	24	V	14.5	0	2.3	228
180970073	2011	8	6	1	V	10.9	0	2.2	238
180970073	2011	8	6	2	V	28.7	0	1.21	234
180970073	2011	8	6	3	V	0.06	0	2.04	194
180970073	2011	8	6	4	V	0.1	0	1.5	201
180970073	2011	8	6	5	V	0.1	0	1.99	202
180970073	2011	8	6	6	V	5.9	0	3.42	223
180970073	2011	8	6	7	V	6.9	0	3.66	247
180970073	2011	8	6	8	V	1.5	6.9	3	215
180970073	2011	8	6	9	V	0.5	50.1	3.13	208
180970073	2011	8	6	10	V	0.2	14.4	4.76	211
180970073	2011	8	6	11	V	3.0	10.6	6.41	225
180970073	2011	8	6	12	V	2.4	11.5	6.21	224
180970073	2011	8	6	13	V	0.02	2.6	7.54	210
180970073	2011	8	6	14	V	0.2	0	6.69	216
180970073	2011	8	6	15	V	0.3	0	6.11	217
180970073	2011	8	6	16	V	1.2	4.6	5.9	223
180970073	2011	8	6	17	V	0.06	6.8	6.4	218
180970073	2011	8	6	18	V	2.2	4.5	6.4	221
180970073	2011	8	6	19	V	0.1	7.9	6.02	216
180970073	2011	8	6	20	V	0.06	4.4	4.66	216
180970073	2011	8	6	21	V	0.04	3.8	3.44	214
180970073	2011	8	6	22	V	0.04	0	3.06	190
180970073	2011	8	6	23	V	0.04	0	4.24	209
180970073	2011	8	6	24	V	0.1	8.7	3.74	219
180970073	2011	8	7	1	V	3.9	29.4	3.49	245
180970073	2011	8	7	2	V	8.4	2.6	4.14	250
180970073	2011	8	7	3	V	3.6	0	3	245
180970073	2011	8	7	4	V	10.6	0	2.1	237
180970073	2011	8	7	5	V	2.5	0	3.47	222
180970073	2011	8	7	6	V	0.1	2.2	4.61	215
180970073	2011	8	7	7	V	12.8	14.9	3.39	229
180970073	2011	8	7	8	V	1.9	29.2	2.55	215
180970073	2011	8	7	9	V	14.3	38.7	3.37	238
180970073	2011	8	7	10	V	9.2	21.1	3.61	244
180970073	2011	8	7	11	V	4.6	10.4	4.08	225
180970073	2011	8	7	12	V	3.4	20.1	5.58	226
180970073	2011	8	7	13	V	2.9	8.7	6.53	227
180970073	2011	8	7	14	V	4.7	2.6	6.92	232
180970073	2011	8	7	15	V	1.6	0	7.57	242
180970073	2011	8	7	16	V	0.02	0	5.63	329
180970073	2011	8	7	17	V	0.06	0	2.76	33
180970073	2011	8	7	18	V	0.06	0	1.96	32
180970073	2011	8	7	19	C	-999	0	0	0
180970073	2011	8	7	20	V	0.03	0	3.35	289

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	7	21	V	0.03	0	4.34	283
180970073	2011	8	7	22	V	0.03	0	3.2	301
180970073	2011	8	7	23	V	0.09	-999	1.76	298
180970073	2011	8	7	24	V	0.7	0	2.47	261
180970073	2011	8	8	1	V	3.7	0	2.57	257
180970073	2011	8	8	2	V	12.3	0	2.3	253
180970073	2011	8	8	3	V	2.8	0	2.4	258
180970073	2011	8	8	4	V	0.1	0	1.45	290
180970073	2011	8	8	5	V	0.08	0	1.64	331
180970073	2011	8	8	6	V	0.8	0	1.53	300
180970073	2011	8	8	7	V	1.0	0	1.45	320
180970073	2011	8	8	8	V	0.9	0	1.72	348
180970073	2011	8	8	9	V	1.1	0	1.62	19
180970073	2011	8	8	10	V	1.2	0	1.59	336
180970073	2011	8	8	11	V	0.5	0	2.08	311
180970073	2011	8	8	12	V	0.4	0	2.46	288
180970073	2011	8	8	13	V	0.2	0	3.46	276
180970073	2011	8	8	14	V	0.07	0	3.54	288
180970073	2011	8	8	15	V	3.3	0	5.79	236
180970073	2011	8	8	16	V	0.01	0	5.24	335
180970073	2011	8	8	17	V	0.05	0	2.32	147
180970073	2011	8	8	18	V	0.05	0	2.91	119
180970073	2011	8	8	19	V	0.04	0	3.52	145
180970073	2011	8	8	20	V	0.04	0	4.42	174
180970073	2011	8	8	21	V	0.04	0	4.76	208
180970073	2011	8	8	22	V	16.3	0	4.2	229
180970073	2011	8	8	23	V	1.5	0	2.83	224
180970073	2011	8	8	24	V	0.04	0	4.29	209
180970073	2011	8	9	1	V	1.3	4.6	5.33	262
180970073	2011	8	9	2	V	0.3	0	2.96	263
180970073	2011	8	9	3	V	4.3	0	5.02	240
180970073	2011	8	9	4	V	3.4	0	5.28	258
180970073	2011	8	9	5	V	0.03	0	6.24	279
180970073	2011	8	9	6	V	0.01	0	6.4	294
180970073	2011	8	9	7	V	0.05	0	4.65	303
180970073	2011	8	9	8	V	0.05	0	5.21	285
180970073	2011	8	9	9	V	0.07	0	4.99	291
180970073	2011	8	9	10	V	0.05	0	5.41	297
180970073	2011	8	9	11	V	0.06	0	4.75	293
180970073	2011	8	9	12	V	0.05	0	5.14	298
180970073	2011	8	9	13	V	0.04	0	5.24	297
180970073	2011	8	9	14	V	0.05	0	4.8	286
180970073	2011	8	9	15	V	0.07	0	6.14	272
180970073	2011	8	9	16	V	0.2	0	7.23	266
180970073	2011	8	9	17	V	0.1	0	8.33	265
180970073	2011	8	9	18	V	7.9	0.1	7.69	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	9	19	V	0.03	0	7	276
180970073	2011	8	9	20	V	0.2	0	4.78	267
180970073	2011	8	9	21	V	0.03	0	4.65	296
180970073	2011	8	9	22	V	0.03	0	4.34	323
180970073	2011	8	9	23	V	0.03	0	2.79	308
180970073	2011	8	9	24	V	1.9	0	1.88	260
180970073	2011	8	10	1	V	2.2	0	2.49	226
180970073	2011	8	10	2	V	0.2	0	2.76	222
180970073	2011	8	10	3	V	17.5	0	2.78	232
180970073	2011	8	10	4	V	9.1	0	3.27	237
180970073	2011	8	10	5	V	6.4	0	2.95	247
180970073	2011	8	10	6	V	3.0	0	2.59	264
180970073	2011	8	10	7	V	1.0	0	3.27	267
180970073	2011	8	10	8	V	0.06	0	4.53	281
180970073	2011	8	10	9	V	0.06	0	4.83	308
180970073	2011	8	10	10	V	0.06	0	4.95	309
180970073	2011	8	10	11	V	0.02	0	6.36	304
180970073	2011	8	10	12	V	0.01	0	7.21	305
180970073	2011	8	10	13	V	0.02	0	7.16	312
180970073	2011	8	10	14	V	0.02	0	6.47	311
180970073	2011	8	10	15	V	0.02	0	6.38	321
180970073	2011	8	10	16	V	0.02	0	6.02	334
180970073	2011	8	10	17	V	0.01	0	5.96	292
180970073	2011	8	10	18	V	0.04	0	4.24	328
180970073	2011	8	10	19	V	0.03	0	4.34	329
180970073	2011	8	10	20	V	0.03	0	4.22	357
180970073	2011	8	10	21	V	0.03	0	2.86	359
180970073	2011	8	10	22	V	0.05	0	2.52	16
180970073	2011	8	10	23	V	0.03	0	2.71	38
180970073	2011	8	10	24	V	0.02	0	3.12	38
180970073	2011	8	11	1	V	0.02	0	3.4	34
180970073	2011	8	11	2	V	0.02	0	3.03	34
180970073	2011	8	11	3	V	0.04	0	2.32	19
180970073	2011	8	11	4	V	0.04	0	2.42	30
180970073	2011	8	11	5	V	0.09	0	1.6	333
180970073	2011	8	11	6	V	1.2	0	1.33	285
180970073	2011	8	11	7	V	2.1	0	1.08	295
180970073	2011	8	11	8	V	2.2	-999	0.62	333
180970073	2011	8	11	9	V	0.3	0	2.08	74
180970073	2011	8	11	10	V	0.1	0	3.17	103
180970073	2011	8	11	11	V	0.2	0	2.79	74
180970073	2011	8	11	12	V	0.2	0	2.69	54
180970073	2011	8	11	13	V	0.2	0	2.74	37
180970073	2011	8	11	14	V	0.3	0	2.45	61
180970073	2011	8	11	15	V	0.2	0	2.74	114
180970073	2011	8	11	16	V	0.2	0	2.16	87

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	11	17	V	0.05	0	3.23	60
180970073	2011	8	11	18	V	0.03	0	3.83	51
180970073	2011	8	11	19	V	0.03	0	4.46	56
180970073	2011	8	11	20	V	0.03	0	4.19	89
180970073	2011	8	11	21	V	0.03	0	3.1	104
180970073	2011	8	11	22	V	0.05	0	2.42	95
180970073	2011	8	11	23	V	0.05	-999	2.16	101
180970073	2011	8	11	24	V	0.05	-999	2.03	105
180970073	2011	8	12	1	V	0.08	0	1.76	99
180970073	2011	8	12	2	V	0.06	0	2.01	111
180970073	2011	8	12	3	V	0.1	0	1.37	170
180970073	2011	8	12	4	V	0.7	0	0.77	170
180970073	2011	8	12	5	V	0.07	0	1.79	94
180970073	2011	8	12	6	V	0.9	0	1.47	109
180970073	2011	8	12	7	V	2.8	0	0.91	131
180970073	2011	8	12	8	V	0.5	0	2.16	115
180970073	2011	8	12	9	V	0.2	0.5	3.03	141
180970073	2011	8	12	10	V	0.09	5.1	3.86	147
180970073	2011	8	12	11	V	0.1	9.3	3.32	137
180970073	2011	8	12	12	V	0.4	5	2.28	92
180970073	2011	8	12	13	V	1.9	2.5	2.66	249
180970073	2011	8	12	14	V	0.2	2.6	2.57	107
180970073	2011	8	12	15	V	0.09	0.9	2.96	156
180970073	2011	8	12	16	V	0.06	0.5	3.44	181
180970073	2011	8	12	17	V	0.05	0.9	2.84	189
180970073	2011	8	12	18	V	0.05	0.5	2.45	169
180970073	2011	8	12	19	V	3.2	0.4	3.39	225
180970073	2011	8	12	20	V	9.1	0.2	2.83	254
180970073	2011	8	12	21	V	0.04	0	2.56	200
180970073	2011	8	12	22	V	0.04	0.9	2.73	164
180970073	2011	8	12	23	V	0.07	1.7	1.81	173
180970073	2011	8	12	24	V	0.03	1.5	2.67	143
180970073	2011	8	13	1	V	0.03	1.8	2.78	134
180970073	2011	8	13	2	V	0.03	0.5	3.22	158
180970073	2011	8	13	3	V	0.3	0.1	0.86	281
180970073	2011	8	13	4	V	0.1	0	1.37	117
180970073	2011	8	13	5	V	0.06	0	1.69	120
180970073	2011	8	13	6	V	1.3	0	1.16	117
180970073	2011	8	13	7	V	0.6	0	1.79	141
180970073	2011	8	13	8	V	1.3	0.8	1.33	148
180970073	2011	8	13	9	V	0.4	1.3	2.69	198
180970073	2011	8	13	10	V	5.0	15.3	3.68	225
180970073	2011	8	13	11	V	3.4	22.6	4.19	244
180970073	2011	8	13	12	V	2.8	9.4	4.24	226
180970073	2011	8	13	13	V	1.7	12.7	4.51	221
180970073	2011	8	13	14	V	1.8	7.9	4.29	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	13	15	V	2.6	1.2	4.65	239
180970073	2011	8	13	16	V	2.8	0.2	4.32	230
180970073	2011	8	13	17	V	0.4	4	4.14	215
180970073	2011	8	13	18	V	16.8	7.6	4.83	229
180970073	2011	8	13	19	V	0.3	4.6	5.24	219
180970073	2011	8	13	20	V	6.4	0.5	6.58	250
180970073	2011	8	13	21	V	0.04	0	6.64	348
180970073	2011	8	13	22	V	0.04	0	3.83	358
180970073	2011	8	13	23	V	0.07	0	1.62	17
180970073	2011	8	13	24	V	0.03	0	2.78	155
180970073	2011	8	14	1	V	0.03	0	2.61	209
180970073	2011	8	14	2	V	0.03	0	2.78	218
180970073	2011	8	14	3	V	11.3	0	2.5	249
180970073	2011	8	14	4	V	10.1	0	2.35	237
180970073	2011	8	14	5	V	1.7	0	2.95	243
180970073	2011	8	14	6	V	0.4	0	2.81	271
180970073	2011	8	14	7	V	0.09	0	4	315
180970073	2011	8	14	8	V	0.07	0	4.37	318
180970073	2011	8	14	9	V	0.2	0	2.91	317
180970073	2011	8	14	10	V	0.08	0	3.73	317
180970073	2011	8	14	11	V	0.04	0	4.99	319
180970073	2011	8	14	12	V	0.03	0	4.94	310
180970073	2011	8	14	13	V	0.04	0	5.31	322
180970073	2011	8	14	14	V	0.02	0	6.01	340
180970073	2011	8	14	15	V	0.02	0	6.01	311
180970073	2011	8	14	16	V	0.03	0	4.68	322
180970073	2011	8	14	17	V	0.01	0	6.07	336
180970073	2011	8	14	18	V	0.03	0	7.14	334
180970073	2011	8	14	19	V	0.03	0	7.2	344
180970073	2011	8	14	20	V	0.03	0	5.09	340
180970073	2011	8	14	21	V	0.03	0	4.95	336
180970073	2011	8	14	22	V	0.02	0	5.48	335
180970073	2011	8	14	23	V	0.02	-999	4.54	323
180970073	2011	8	14	24	V	0.03	0	5.11	327
180970073	2011	8	15	1	V	0.03	0	5.55	339
180970073	2011	8	15	2	V	0.02	0	4.14	345
180970073	2011	8	15	3	V	0.02	0	3.9	336
180970073	2011	8	15	4	V	0.02	0	3.37	352
180970073	2011	8	15	5	V	0.03	0	3.56	347
180970073	2011	8	15	6	V	0.1	0	3.24	354
180970073	2011	8	15	7	V	0.3	0	2.44	344
180970073	2011	8	15	8	V	0.07	0	3.73	351
180970073	2011	8	15	9	V	0.08	0	3.97	19
180970073	2011	8	15	10	V	0.1	0	3.46	24
180970073	2011	8	15	11	V	0.08	0	3.86	5
180970073	2011	8	15	12	V	0.04	0	4.85	352

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	15	13	V	0.05	0	4.6	1
180970073	2011	8	15	14	V	0.03	0	5.16	338
180970073	2011	8	15	15	V	0.02	0	5.33	334
180970073	2011	8	15	16	V	0.03	0	4.74	342
180970073	2011	8	15	17	V	0.02	0	4.77	358
180970073	2011	8	15	18	V	0.04	0	4.9	339
180970073	2011	8	15	19	V	0.03	0	5.1	337
180970073	2011	8	15	20	V	0.03	0	3.51	341
180970073	2011	8	15	21	V	0.05	0	2.59	350
180970073	2011	8	15	22	V	0.05	0	2.15	338
180970073	2011	8	15	23	V	0.02	0	2.91	340
180970073	2011	8	15	24	V	0.02	0	2.86	360
180970073	2011	8	16	1	V	0.06	0	1.94	12
180970073	2011	8	16	2	V	0.2	0	1.25	359
180970073	2011	8	16	3	V	0.2	0	1.3	341
180970073	2011	8	16	4	V	0.08	0	1.7	331
180970073	2011	8	16	5	V	0.07	0	1.79	336
180970073	2011	8	16	6	V	1.1	0	1.13	349
180970073	2011	8	16	7	V	1.0	0	1.48	343
180970073	2011	8	16	8	V	0.4	0	1.74	22
180970073	2011	8	16	9	V	0.3	0	2.35	42
180970073	2011	8	16	10	V	0.7	0	1.79	90
180970073	2011	8	16	11	V	0.7	0	1.82	192
180970073	2011	8	16	12	V	1.5	0	2.33	210
180970073	2011	8	16	13	V	3.0	0	2.47	221
180970073	2011	8	16	14	V	1.4	2.9	2.54	211
180970073	2011	8	16	15	V	4.6	0.3	2.4	232
180970073	2011	8	16	16	V	2.4	4.6	3.49	249
180970073	2011	8	16	17	V	2.0	9.2	1.96	256
180970073	2011	8	16	18	V	0.04	0.7	2.69	189
180970073	2011	8	16	19	V	0.04	0.4	3.3	182
180970073	2011	8	16	20	V	0.05	0	2.35	177
180970073	2011	8	16	21	V	0.05	0	2.57	159
180970073	2011	8	16	22	V	0.03	0	3.13	183
180970073	2011	8	16	23	V	18.0	0	0.99	241
180970073	2011	8	16	24	V	10.8	0	0.74	247
180970073	2011	8	17	1	V	10.9	0	1.09	251
180970073	2011	8	17	2	C	-999	0	0	0
180970073	2011	8	17	3	V	0.3	0	1.11	113
180970073	2011	8	17	4	V	0.05	0	2.16	106
180970073	2011	8	17	5	V	0.07	0	1.79	97
180970073	2011	8	17	6	V	1.0	0	1.25	100
180970073	2011	8	17	7	V	0.3	0	2.37	102
180970073	2011	8	17	8	V	1.0	0	1.57	105
180970073	2011	8	17	9	V	0.7	0	1.89	117
180970073	2011	8	17	10	V	0.3	0	2.4	154

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	17	11	V	0.09	0	3.59	174
180970073	2011	8	17	12	V	0.1	0	3.44	183
180970073	2011	8	17	13	V	0.08	0	3.75	185
180970073	2011	8	17	14	V	0.05	0	3.93	184
180970073	2011	8	17	15	V	0.2	0	3.56	202
180970073	2011	8	17	16	V	0.09	0.5	3.05	170
180970073	2011	8	17	17	V	0.2	3.6	3.46	210
180970073	2011	8	17	18	V	0.04	7.3	3.01	198
180970073	2011	8	17	19	V	0.04	0.8	3.18	207
180970073	2011	8	17	20	V	0.04	0	2.69	188
180970073	2011	8	17	21	V	0.04	0	2.74	195
180970073	2011	8	17	22	V	0.05	0	2.61	206
180970073	2011	8	17	23	V	6.9	0	1.43	245
180970073	2011	8	17	24	V	2.5	0	1.48	222
180970073	2011	8	18	1	V	8.0	0	0.94	257
180970073	2011	8	18	2	V	0.04	0	2.06	165
180970073	2011	8	18	3	V	0.09	0	1.6	174
180970073	2011	8	18	4	V	0.3	0	1.04	173
180970073	2011	8	18	5	V	0.8	0	0.74	138
180970073	2011	8	18	6	V	0.9	0	1.2	141
180970073	2011	8	18	7	V	3.1	0	0.91	104
180970073	2011	8	18	8	V	0.3	0	2.22	134
180970073	2011	8	18	9	V	0.3	0	2.16	128
180970073	2011	8	18	10	V	0.3	1.4	2.55	183
180970073	2011	8	18	11	V	0.6	0.7	2.01	183
180970073	2011	8	18	12	V	0.4	2	2.25	182
180970073	2011	8	18	13	V	0.1	1.8	2.79	182
180970073	2011	8	18	14	V	0.1	1.1	3.23	199
180970073	2011	8	18	15	V	2.6	1.6	3.76	228
180970073	2011	8	18	16	V	0.1	5.7	3.23	277
180970073	2011	8	18	17	V	0.03	5.9	3.54	292
180970073	2011	8	18	18	V	0.04	1.7	2.96	309
180970073	2011	8	18	19	V	0.04	0.5	4.02	332
180970073	2011	8	18	20	V	0.04	0.2	3.08	9
180970073	2011	8	18	21	V	0.04	0	2.54	147
180970073	2011	8	18	22	V	0.03	0	2.73	178
180970073	2011	8	18	23	V	0.08	-999	1.89	195
180970073	2011	8	18	24	V	0.4	0	1.08	280
180970073	2011	8	19	1	V	0.1	0	1.45	292
180970073	2011	8	19	2	V	0.05	0	2.03	209
180970073	2011	8	19	3	V	0.04	0	2.28	147
180970073	2011	8	19	4	V	0.06	0	1.88	201
180970073	2011	8	19	5	V	3.4	0	1.94	241
180970073	2011	8	19	6	V	14.5	0	1.82	225
180970073	2011	8	19	7	V	8.2	0	1.69	257
180970073	2011	8	19	8	V	4.0	0	0.75	121

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	19	9	V	0.5	0	1.96	151
180970073	2011	8	19	10	V	1.4	1.1	1.2	119
180970073	2011	8	19	11	V	1.0	3	1.45	122
180970073	2011	8	19	12	V	0.5	4.2	1.77	163
180970073	2011	8	19	13	V	0.2	29.7	2.88	195
180970073	2011	8	19	14	V	0.4	10.5	3.81	213
180970073	2011	8	19	15	V	1.2	25.2	1.94	207
180970073	2011	8	19	16	V	0.5	14.8	1.71	193
180970073	2011	8	19	17	V	0.2	6.7	1.91	181
180970073	2011	8	19	18	V	0.04	0.3	2.64	167
180970073	2011	8	19	19	V	0.04	0	2.52	172
180970073	2011	8	19	20	V	0.2	0	1.4	4
180970073	2011	8	19	21	V	0.04	0	2.74	118
180970073	2011	8	19	22	V	0.04	0	2.78	167
180970073	2011	8	19	23	V	0.03	-999	2.79	166
180970073	2011	8	19	24	V	0.08	0	1.67	205
180970073	2011	8	20	1	V	0.08	0	1.71	210
180970073	2011	8	20	2	V	0.1	0	1.52	183
180970073	2011	8	20	3	V	21.4	0	1.62	233
180970073	2011	8	20	4	V	0.2	0	1.38	208
180970073	2011	8	20	5	V	6.7	0	1.26	257
180970073	2011	8	20	6	V	10.1	0	0.89	225
180970073	2011	8	20	7	V	3.9	0	0.57	318
180970073	2011	8	20	8	V	8.1	0	0.96	241
180970073	2011	8	20	9	V	4.5	3.2	2.5	251
180970073	2011	8	20	10	V	8.8	7.6	2.9	228
180970073	2011	8	20	11	V	0.2	10.5	2.38	183
180970073	2011	8	20	12	V	0.08	9.2	3.51	181
180970073	2011	8	20	13	V	0.05	2.7	3.86	179
180970073	2011	8	20	14	V	0.03	0	4.26	175
180970073	2011	8	20	15	V	0.03	0	4.32	198
180970073	2011	8	20	16	V	0.06	0	2.88	195
180970073	2011	8	20	17	V	0.02	0.3	3.68	204
180970073	2011	8	20	18	V	0.04	0.5	3.12	207
180970073	2011	8	20	19	V	0.04	1.8	3.07	186
180970073	2011	8	20	20	V	0.04	1.4	3.13	202
180970073	2011	8	20	21	V	0.05	0	2.18	217
180970073	2011	8	20	22	V	0.06	0	2.57	219
180970073	2011	8	20	23	V	0.08	-999	1.79	178
180970073	2011	8	20	24	V	6.4	0	1.37	244
180970073	2011	8	21	1	V	19.1	0	0.99	238
180970073	2011	8	21	2	V	0.2	0	1.2	145
180970073	2011	8	21	3	V	0.03	0	2.89	215
180970073	2011	8	21	4	V	11.2	0.6	2.81	250
180970073	2011	8	21	5	V	0.03	0	3.25	300
180970073	2011	8	21	6	V	0.3	0	2.45	309

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	21	7	V	1.3	0	1.37	297
180970073	2011	8	21	8	V	6.4	0	1.74	256
180970073	2011	8	21	9	V	0.4	0	1.93	341
180970073	2011	8	21	10	V	0.8	0	1.45	68
180970073	2011	8	21	11	V	1.6	0	2.49	261
180970073	2011	8	21	12	V	0.5	0	3.56	269
180970073	2011	8	21	13	V	0.04	0	4.85	307
180970073	2011	8	21	14	V	0.02	0	5.68	304
180970073	2011	8	21	15	V	0.01	0	7.32	346
180970073	2011	8	21	16	V	0.02	0	5	323
180970073	2011	8	21	17	V	0.01	0	5.21	313
180970073	2011	8	21	18	V	0.03	0	7.03	343
180970073	2011	8	21	19	V	0.03	0	6.75	342
180970073	2011	8	21	20	V	0.03	0	4.09	355
180970073	2011	8	21	21	V	0.03	0	4.46	11
180970073	2011	8	21	22	V	0.03	0	3.25	22
180970073	2011	8	21	23	V	0.04	-999	2.64	23
180970073	2011	8	21	24	C	-999	0	0	0
180970073	2011	8	22	1	V	0.09	0	1.76	306
180970073	2011	8	22	2	C	-999	0	0	0
180970073	2011	8	22	3	C	-999	0	0	0
180970073	2011	8	22	4	C	-999	0	0	0
180970073	2011	8	22	5	V	0.2	0	1.2	285
180970073	2011	8	22	6	V	1.6	0	1.08	284
180970073	2011	8	22	7	V	1.9	0	1.08	353
180970073	2011	8	22	8	V	2.1	0	0.69	268
180970073	2011	8	22	9	V	1.0	0	1.65	190
180970073	2011	8	22	10	V	0.5	0	2.35	192
180970073	2011	8	22	11	V	1.9	1.1	2.27	245
180970073	2011	8	22	12	V	0.3	9.1	2.57	301
180970073	2011	8	22	13	V	0.1	2	3.42	341
180970073	2011	8	22	14	V	0.07	0.3	3.91	318
180970073	2011	8	22	15	V	0.04	0	4.37	326
180970073	2011	8	22	16	V	0.04	0	3.88	316
180970073	2011	8	22	17	V	0.02	0	3.83	347
180970073	2011	8	22	18	V	0.03	0	2.83	335
180970073	2011	8	22	19	V	0.04	0	2.52	336
180970073	2011	8	22	20	V	0.06	0	2.15	324
180970073	2011	8	22	21	V	0.2	0	1.43	341
180970073	2011	8	22	22	C	-999	0	0	0
180970073	2011	8	22	23	V	0.2	-999	1.43	121
180970073	2011	8	22	24	V	0.03	0	2.73	121
180970073	2011	8	23	1	V	0.1	0	1.59	140
180970073	2011	8	23	2	V	0.1	0	1.43	205
180970073	2011	8	23	3	V	0.09	0	1.64	193
180970073	2011	8	23	4	V	8.5	0	1.06	256

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	23	5	V	8.7	0	1.08	225
180970073	2011	8	23	6	V	1.0	0	1.21	188
180970073	2011	8	23	7	V	1.2	0	1.38	107
180970073	2011	8	23	8	V	0.2	0	2.59	132
180970073	2011	8	23	9	V	0.3	0.3	2.27	179
180970073	2011	8	23	10	V	0.05	0.2	4.68	198
180970073	2011	8	23	11	V	0.04	0.3	5.46	193
180970073	2011	8	23	12	V	0.02	0	5.87	196
180970073	2011	8	23	13	V	0.08	0	4.61	206
180970073	2011	8	23	14	V	0.7	0	5.09	219
180970073	2011	8	23	15	V	4.0	2.6	2.61	228
180970073	2011	8	23	16	V	4.6	4.7	2.91	238
180970073	2011	8	23	17	V	0.01	1	7.76	303
180970073	2011	8	23	18	V	0.03	0	6.14	137
180970073	2011	8	23	19	V	0.04	0	4.41	167
180970073	2011	8	23	20	V	0.04	0	4.8	204
180970073	2011	8	23	21	V	0.04	0	3.86	190
180970073	2011	8	23	22	V	0.03	0	4.29	198
180970073	2011	8	23	23	V	0.03	0	5.12	177
180970073	2011	8	23	24	V	0.03	0	4.36	184
180970073	2011	8	24	1	V	0.03	3.6	4.68	180
180970073	2011	8	24	2	V	0.02	1	4.54	195
180970073	2011	8	24	3	V	0.02	0	6.4	207
180970073	2011	8	24	4	V	1.3	0	4.56	223
180970073	2011	8	24	5	V	0.06	0	2.83	218
180970073	2011	8	24	6	V	0.2	0	2.93	190
180970073	2011	8	24	7	V	0.08	0	4.37	182
180970073	2011	8	24	8	V	0.1	0.6	4.12	189
180970073	2011	8	24	9	V	0.6	5.5	5.21	216
180970073	2011	8	24	10	V	5.9	19.6	7.11	235
180970073	2011	8	24	11	V	4.9	3.2	6.77	238
180970073	2011	8	24	12	V	4.3	5.9	7.08	231
180970073	2011	8	24	13	V	3.2	3.2	8	237
180970073	2011	8	24	14	V	2.4	5.3	8.4	232
180970073	2011	8	24	15	V	2.1	2	9.46	231
180970073	2011	8	24	16	V	0.8	1.2	9.8	224
180970073	2011	8	24	17	V	0.2	0.4	9.54	221
180970073	2011	8	24	18	V	0.2	0	9.2	217
180970073	2011	8	24	19	V	0.2	0	8.74	217
180970073	2011	8	24	20	V	1.3	2.9	7.2	221
180970073	2011	8	24	21	V	0.04	6	7.65	213
180970073	2011	8	24	22	V	0.7	3.2	9.52	219
180970073	2011	8	24	23	V	5.6	11	7.11	248
180970073	2011	8	24	24	V	0.04	0	4.6	285
180970073	2011	8	25	1	V	0.03	0	4.58	275
180970073	2011	8	25	2	V	0.03	0	4.88	300

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	25	3	V	0.03	0	4.39	307
180970073	2011	8	25	4	V	0.03	0	4.9	323
180970073	2011	8	25	5	V	0.03	0	4.61	330
180970073	2011	8	25	6	V	0.09	0	4.02	323
180970073	2011	8	25	7	V	0.2	0	3.76	327
180970073	2011	8	25	8	V	0.08	0	3.78	333
180970073	2011	8	25	9	V	0.03	0.7	5.36	334
180970073	2011	8	25	10	V	0.05	0.5	4.75	335
180970073	2011	8	25	11	V	0.07	0	4.12	336
180970073	2011	8	25	12	V	0.06	0	4.44	331
180970073	2011	8	25	13	V	0.05	0	4.51	329
180970073	2011	8	25	14	V	0.05	0	4.32	333
180970073	2011	8	25	15	V	0.04	0	4.2	354
180970073	2011	8	25	16	V	0.03	0	4.32	355
180970073	2011	8	25	17	V	0.02	0	3.93	357
180970073	2011	8	25	18	V	0.03	0	4.58	353
180970073	2011	8	25	19	V	0.03	0	5.36	340
180970073	2011	8	25	20	V	0.03	0	3.81	354
180970073	2011	8	25	21	V	0.03	0	3.83	354
180970073	2011	8	25	22	V	0.02	0	3.54	356
180970073	2011	8	25	23	V	0.02	0	4.53	5
180970073	2011	8	25	24	V	0.02	0	4.41	21
180970073	2011	8	26	1	V	0.02	0	4.12	29
180970073	2011	8	26	2	V	0.03	0	2.88	39
180970073	2011	8	26	3	V	0.06	0	2.08	13
180970073	2011	8	26	4	V	0.05	0	2.25	3
180970073	2011	8	26	5	V	0.06	0	2.03	10
180970073	2011	8	26	6	V	0.4	0	1.89	11
180970073	2011	8	26	7	V	0.4	0	2.88	34
180970073	2011	8	26	8	V	0.5	0	2.28	18
180970073	2011	8	26	9	V	1.9	0	1.2	25
180970073	2011	8	26	10	V	1.7	0	1.31	331
180970073	2011	8	26	11	V	0.6	0	2.11	343
180970073	2011	8	26	12	V	0.5	0	2.32	324
180970073	2011	8	26	13	V	0.3	0	2.64	340
180970073	2011	8	26	14	V	0.3	0	2.59	346
180970073	2011	8	26	15	V	0.1	0	3.08	348
180970073	2011	8	26	16	V	0.05	0	3.66	339
180970073	2011	8	26	17	V	0.02	0	4.2	346
180970073	2011	8	26	18	V	0.03	0	4.76	329
180970073	2011	8	26	19	V	0.03	0	4.65	331
180970073	2011	8	26	20	V	0.03	0	3.95	330
180970073	2011	8	26	21	V	0.03	0	3.49	327
180970073	2011	8	26	22	V	0.03	0	3.73	342
180970073	2011	8	26	23	V	0.03	0	2.98	352
180970073	2011	8	26	24	V	0.02	0	3.13	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	27	1	V	0.04	0	2.3	14
180970073	2011	8	27	2	V	0.03	0	1.77	351
180970073	2011	8	27	3	V	0.04	0	1.67	13
180970073	2011	8	27	4	V	0.04	0	1.6	2
180970073	2011	8	27	5	V	0.03	0	1.81	350
180970073	2011	8	27	6	V	0.3	0	1.33	6
180970073	2011	8	27	7	V	0.5	0	1.42	339
180970073	2011	8	27	8	V	0.8	0	0.97	11
180970073	2011	8	27	9	V	0.6	0	1.25	17
180970073	2011	8	27	10	V	0.1	0	2.5	26
180970073	2011	8	27	11	V	0.06	6.8	3.06	10
180970073	2011	8	27	12	V	0.02	3.5	4.14	3
180970073	2011	8	27	13	V	0.02	2.5	4	335
180970073	2011	8	27	14	V	0.02	2.3	4.32	346
180970073	2011	8	27	15	V	0.005	0.5	6.16	333
180970073	2011	8	27	16	V	0.004	0	6.52	330
180970073	2011	8	27	17	V	0.003	0	6.6	336
180970073	2011	8	27	18	V	0.01	0	6.41	338
180970073	2011	8	27	19	V	0.01	0	5.48	347
180970073	2011	8	27	20	V	0.01	0	3.93	354
180970073	2011	8	27	21	V	0.01	0	5.58	359
180970073	2011	8	27	22	V	0.01	0	6.3	336
180970073	2011	8	27	23	V	0.01	0	5.82	339
180970073	2011	8	27	24	V	0.01	0	4.83	344
180970073	2011	8	28	1	V	0.01	0	4.66	342
180970073	2011	8	28	2	V	0.01	0	5.39	352
180970073	2011	8	28	3	V	0.01	0	4.87	357
180970073	2011	8	28	4	V	0.01	0	4.65	360
180970073	2011	8	28	5	V	0.01	0	3.18	354
180970073	2011	8	28	6	V	0.08	0	2.67	347
180970073	2011	8	28	7	V	0.1	0	2.64	333
180970073	2011	8	28	8	V	0.04	0	3.52	358
180970073	2011	8	28	9	V	0.03	0	3.74	16
180970073	2011	8	28	10	V	0.05	0	3.03	8
180970073	2011	8	28	11	V	0.03	0	3.97	6
180970073	2011	8	28	12	V	0.02	0	4.37	20
180970073	2011	8	28	13	V	0.01	0	4.97	347
180970073	2011	8	28	14	V	0.01	0	4.95	353
180970073	2011	8	28	15	V	0.01	0	4.8	345
180970073	2011	8	28	16	V	0.01	0	5.31	339
180970073	2011	8	28	17	V	0.004	0	5.56	341
180970073	2011	8	28	18	V	0.01	0	5.62	343
180970073	2011	8	28	19	V	0.01	0	4.66	360
180970073	2011	8	28	20	V	0.01	0	3.27	359
180970073	2011	8	28	21	V	0.02	0	2.33	360
180970073	2011	8	28	22	V	0.01	0	3.35	359

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	28	23	V	0.01	0	5.26	355
180970073	2011	8	28	24	V	0.01	0	4	359
180970073	2011	8	29	1	V	0.01	0	4.1	24
180970073	2011	8	29	2	V	0.01	0	4.05	28
180970073	2011	8	29	3	V	0.01	0	4.02	36
180970073	2011	8	29	4	V	0.01	0	3.56	47
180970073	2011	8	29	5	V	0.01	0	3.25	55
180970073	2011	8	29	6	V	0.02	0	4.07	80
180970073	2011	8	29	7	V	0.07	0	3.51	79
180970073	2011	8	29	8	V	0.02	0	4.31	85
180970073	2011	8	29	9	V	0.02	0.4	4.43	90
180970073	2011	8	29	10	V	0.02	0.6	4.37	92
180970073	2011	8	29	11	V	0.03	-999	3.85	88
180970073	2011	8	29	12	V	0.06	0	2.93	71
180970073	2011	8	29	13	V	0.05	0	3.08	49
180970073	2011	8	29	14	V	0.05	0	2.91	64
180970073	2011	8	29	15	V	0.03	0	3.08	12
180970073	2011	8	29	16	V	0.01	0	3.76	58
180970073	2011	8	29	17	V	0.01	0	3.18	25
180970073	2011	8	29	18	V	0.01	0	3.88	26
180970073	2011	8	29	19	V	0.01	0	4.63	44
180970073	2011	8	29	20	V	0.01	0	4.24	49
180970073	2011	8	29	21	V	0.01	0.1	3.37	57
180970073	2011	8	29	22	V	0.01	0	2.96	53
180970073	2011	8	29	23	V	0.01	-999	3.64	68
180970073	2011	8	29	24	V	0.01	0	3.52	74
180970073	2011	8	30	1	V	0.01	0	3.34	92
180970073	2011	8	30	2	V	0.01	0	2.79	103
180970073	2011	8	30	3	V	0.02	0	2.45	110
180970073	2011	8	30	4	V	0.03	0	1.98	90
180970073	2011	8	30	5	V	0.02	0	2.08	89
180970073	2011	8	30	6	V	0.09	0	2.28	87
180970073	2011	8	30	7	V	0.2	0	1.89	69
180970073	2011	8	30	8	V	0.4	0.1	1.74	92
180970073	2011	8	30	9	V	0.2	12.3	2.16	118
180970073	2011	8	30	10	V	0.04	12.7	3.52	135
180970073	2011	8	30	11	V	0.05	9.7	3.2	129
180970073	2011	8	30	12	V	0.05	3.6	3.08	125
180970073	2011	8	30	13	V	0.06	2.6	2.84	103
180970073	2011	8	30	14	V	0.02	3.1	3.56	109
180970073	2011	8	30	15	V	0.02	3.5	3.61	119
180970073	2011	8	30	16	V	0.01	8.3	4.15	117
180970073	2011	8	30	17	V	0.01	15.5	3.46	118
180970073	2011	8	30	18	V	0.01	15.3	3.93	108
180970073	2011	8	30	19	V	0.01	9.9	4.44	104
180970073	2011	8	30	20	V	0.01	8.1	4.1	92

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	8	30	21	V	0.01	6	3.68	102
180970073	2011	8	30	22	V	0.01	2.8	3.92	116
180970073	2011	8	30	23	V	0.01	1.6	4.39	120
180970073	2011	8	30	24	V	0.01	0.9	4.34	126
180970073	2011	8	31	1	V	0.01	0.6	4.65	129
180970073	2011	8	31	2	V	0.02	2.3	3.17	131
180970073	2011	8	31	3	V	0.02	6.9	1.96	117
180970073	2011	8	31	4	V	0.02	8.4	2.06	11
180970073	2011	8	31	5	V	0.02	5	2.35	18
180970073	2011	8	31	6	V	0.1	1.6	2.88	91
180970073	2011	8	31	7	V	0.08	0.6	4.05	74
180970073	2011	8	31	8	V	0.3	0.1	2.98	118
180970073	2011	8	31	9	V	0.2	0	3.52	137
180970073	2011	8	31	10	V	0.08	0	4.49	124
180970073	2011	8	31	11	V	0.06	0.7	5.07	126
180970073	2011	8	31	12	V	0.05	1.3	4.87	159
180970073	2011	8	31	13	V	0.05	0.7	4.63	175
180970073	2011	8	31	14	V	0.03	0.4	5.48	200
180970073	2011	8	31	15	V	0.03	1.2	6.35	208
180970073	2011	8	31	16	V	0.05	1	7.11	214
180970073	2011	8	31	17	V	0.06	0.3	5.7	217
180970073	2011	8	31	18	V	0.03	0.4	6.18	214
180970073	2011	8	31	19	V	0.03	0	5.36	185
180970073	2011	8	31	20	V	0.03	0	4.19	182
180970073	2011	8	31	21	V	0.03	0.6	3.32	183
180970073	2011	8	31	22	V	0.03	1.3	3.9	179
180970073	2011	8	31	23	V	0.03	0.8	3.83	177
180970073	2011	8	31	24	V	0.03	0.2	3.59	179
180970073	2011	9	1	1	V	0.02	0.1	3.73	170
180970073	2011	9	1	2	V	0.02	0	3.42	181
180970073	2011	9	1	3	V	0.02	0	2.93	193
180970073	2011	9	1	4	V	0.02	0	3.95	199
180970073	2011	9	1	5	V	0.02	0	2.95	197
180970073	2011	9	1	6	V	0.4	0	2.83	211
180970073	2011	9	1	7	V	1.3	0	2.04	208
180970073	2011	9	1	8	V	0.8	5.8	2.76	208
180970073	2011	9	1	9	V	4.0	25.8	5.09	223
180970073	2011	9	1	10	V	8.7	40.3	6.4	231
180970073	2011	9	1	11	V	2.2	10.2	7.21	243
180970073	2011	9	1	12	V	1.4	5.1	8.1	248
180970073	2011	9	1	13	V	3.0	3.3	7.52	239
180970073	2011	9	1	14	V	2.6	1.3	6.81	240
180970073	2011	9	1	15	V	3.4	1.9	6.79	229
180970073	2011	9	1	16	V	1.9	0.8	5.85	243
180970073	2011	9	1	17	V	4.2	5.9	6.09	229
180970073	2011	9	1	18	V	6.7	1.1	6.09	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	1	19	V	14.8	4.4	5.55	237
180970073	2011	9	1	20	V	0.03	3.9	3.97	215
180970073	2011	9	1	21	V	0.04	1.2	3.73	219
180970073	2011	9	1	22	V	0.03	17.8	3.4	210
180970073	2011	9	1	23	V	0.03	16.8	3.52	215
180970073	2011	9	1	24	V	0.03	7.4	3.69	218
180970073	2011	9	2	1	V	33.7	12.7	3.12	234
180970073	2011	9	2	2	V	18.3	13.6	3.22	236
180970073	2011	9	2	3	V	15.5	7.6	2.27	236
180970073	2011	9	2	4	V	7.3	5.9	1.82	247
180970073	2011	9	2	5	V	9.2	4.4	2.64	248
180970073	2011	9	2	6	V	13.8	5.2	2.45	241
180970073	2011	9	2	7	V	12.6	6.9	2.57	246
180970073	2011	9	2	8	V	18.7	11.6	2.18	240
180970073	2011	9	2	9	V	12.1	14.7	3.97	241
180970073	2011	9	2	10	V	3.5	28.6	5.02	248
180970073	2011	9	2	11	V	2.3	11.1	6.6	244
180970073	2011	9	2	12	V	1.5	4.1	8.45	244
180970073	2011	9	2	13	V	1.4	2	7.43	253
180970073	2011	9	2	14	V	1.2	3.5	6.19	256
180970073	2011	9	2	15	V	1.5	4.4	4.85	254
180970073	2011	9	2	16	V	5.3	7.5	4.03	236
180970073	2011	9	2	17	V	5.9	3.9	3.54	235
180970073	2011	9	2	18	V	0.03	6.7	4.32	213
180970073	2011	9	2	19	V	0.03	5	3.66	210
180970073	2011	9	2	20	V	0.03	0.1	3.17	211
180970073	2011	9	2	21	V	25.5	0.1	1.71	236
180970073	2011	9	2	22	V	11.8	0	1.54	240
180970073	2011	9	2	23	V	13.9	0	2.23	251
180970073	2011	9	2	24	V	3.3	0	1.99	244
180970073	2011	9	3	1	V	22.4	0	1.33	229
180970073	2011	9	3	2	V	0.3	0	1.11	171
180970073	2011	9	3	3	V	10.3	0	0.69	251
180970073	2011	9	3	4	C	-999	0	0	0
180970073	2011	9	3	5	V	0.2	0	1.35	178
180970073	2011	9	3	6	V	2.3	0	0.86	200
180970073	2011	9	3	7	V	0.3	0.1	2.28	151
180970073	2011	9	3	8	V	0.3	0	2.98	178
180970073	2011	9	3	9	V	1.7	8.6	1.98	270
180970073	2011	9	3	10	V	5.2	21.3	1.96	241
180970073	2011	9	3	11	V	1.7	17.6	2.49	259
180970073	2011	9	3	12	V	2.7	17	2.64	226
180970073	2011	9	3	13	V	0.8	15	3.57	213
180970073	2011	9	3	14	V	2.5	7.8	4.66	226
180970073	2011	9	3	15	V	2.2	7.8	4.37	244
180970073	2011	9	3	16	V	2.2	3.7	3.34	247

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	3	17	V	0.01	1.8	6.33	203
180970073	2011	9	3	18	V	0.04	0	2.71	112
180970073	2011	9	3	19	V	0.04	0	3.12	73
180970073	2011	9	3	20	V	0.04	0	3.51	55
180970073	2011	9	3	21	V	0.04	0	4	103
180970073	2011	9	3	22	V	0.05	0	2.42	68
180970073	2011	9	3	23	V	0.03	0	4.25	338
180970073	2011	9	3	24	V	0.03	0	4.73	358
180970073	2011	9	4	1	V	0.04	0	4.61	347
180970073	2011	9	4	2	V	0.04	0	3.9	87
180970073	2011	9	4	3	V	0.04	0	2.33	35
180970073	2011	9	4	4	V	0.05	0	2.06	64
180970073	2011	9	4	5	V	0.04	0	2.35	136
180970073	2011	9	4	6	V	0.7	0	1.59	320
180970073	2011	9	4	7	V	7.1	0	2.35	257
180970073	2011	9	4	8	V	0.08	0	3.81	310
180970073	2011	9	4	9	V	0.01	0	6.4	327
180970073	2011	9	4	10	V	0.01	0	6.6	336
180970073	2011	9	4	11	V	0.05	0	4.37	325
180970073	2011	9	4	12	V	0.09	0	3.3	309
180970073	2011	9	4	13	V	0.06	0	3.95	300
180970073	2011	9	4	14	V	0.01	0	6.91	314
180970073	2011	9	4	15	V	0.02	0	5.96	309
180970073	2011	9	4	16	V	0.01	0	6.38	309
180970073	2011	9	4	17	V	0.03	0	7.32	320
180970073	2011	9	4	18	V	0.03	0	6.43	320
180970073	2011	9	4	19	V	0.02	0	5.95	323
180970073	2011	9	4	20	V	0.03	0	5.48	332
180970073	2011	9	4	21	V	0.03	0	4.02	335
180970073	2011	9	4	22	V	0.03	0	6.36	349
180970073	2011	9	4	23	V	0.03	0	6.52	6
180970073	2011	9	4	24	V	0.03	0	4.24	6
180970073	2011	9	5	1	V	0.02	0	3.39	357
180970073	2011	9	5	2	V	0.02	0	3.59	356
180970073	2011	9	5	3	V	0.02	0	3.85	332
180970073	2011	9	5	4	V	0.02	0	5.36	346
180970073	2011	9	5	5	V	0.02	0	6.18	7
180970073	2011	9	5	6	V	0.01	0	6.55	11
180970073	2011	9	5	7	V	0.01	0	6.62	17
180970073	2011	9	5	8	V	0.01	0	7.93	17
180970073	2011	9	5	9	V	0.01	0	8.05	17
180970073	2011	9	5	10	V	0.004	0	9.41	19
180970073	2011	9	5	11	V	0.004	0	8.95	17
180970073	2011	9	5	12	V	0.004	0	8.98	9
180970073	2011	9	5	13	V	0.01	0	8.37	5
180970073	2011	9	5	14	V	0.005	0	8.42	11

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	5	15	V	0.01	0	8.05	11
180970073	2011	9	5	16	V	0.005	0	8.15	13
180970073	2011	9	5	17	V	0.02	0	7.84	19
180970073	2011	9	5	18	V	0.02	0	8.03	18
180970073	2011	9	5	19	V	0.02	0	8.11	22
180970073	2011	9	5	20	V	0.02	0	6.07	13
180970073	2011	9	5	21	V	0.02	0	6.19	16
180970073	2011	9	5	22	V	0.02	0	5.9	26
180970073	2011	9	5	23	V	0.02	-999	7.11	41
180970073	2011	9	5	24	V	0.02	0	6.89	43
180970073	2011	9	6	1	V	0.02	0	7.52	41
180970073	2011	9	6	2	V	0.02	0	7.54	38
180970073	2011	9	6	3	V	0.02	0	7.3	30
180970073	2011	9	6	4	V	0.02	0	7.37	32
180970073	2011	9	6	5	V	0.02	0	7.21	30
180970073	2011	9	6	6	V	0.01	0	6.82	27
180970073	2011	9	6	7	V	0.01	0	7.08	22
180970073	2011	9	6	8	V	0.01	0	6.98	23
180970073	2011	9	6	9	V	0.01	0	7.79	35
180970073	2011	9	6	10	V	0.01	0	8.01	35
180970073	2011	9	6	11	V	0.004	0	9.25	38
180970073	2011	9	6	12	V	0.01	0	8.69	29
180970073	2011	9	6	13	V	0.01	0	8.85	23
180970073	2011	9	6	14	V	0.005	0	8.42	19
180970073	2011	9	6	15	V	0.004	0	8.91	21
180970073	2011	9	6	16	V	0.004	0	8.93	29
180970073	2011	9	6	17	V	0.02	0	8.76	30
180970073	2011	9	6	18	V	0.02	0	8.81	34
180970073	2011	9	6	19	V	0.02	0	7.5	30
180970073	2011	9	6	20	V	0.02	0	8.1	31
180970073	2011	9	6	21	V	0.02	0	7.94	19
180970073	2011	9	6	22	V	0.02	0	7.81	27
180970073	2011	9	6	23	V	0.02	0	7.55	26
180970073	2011	9	6	24	V	0.02	0	5.62	4
180970073	2011	9	7	1	V	0.02	0	5.87	4
180970073	2011	9	7	2	V	0.02	0	6.21	10
180970073	2011	9	7	3	V	0.02	0	6.07	3
180970073	2011	9	7	4	V	0.02	0	6.07	359
180970073	2011	9	7	5	V	0.02	0	5.65	5
180970073	2011	9	7	6	V	0.01	0	6.13	10
180970073	2011	9	7	7	V	0.01	0	7.01	9
180970073	2011	9	7	8	V	0.01	0	5.97	4
180970073	2011	9	7	9	V	0.01	0	7.16	3
180970073	2011	9	7	10	V	0.01	0	7.72	8
180970073	2011	9	7	11	V	0.01	0	7.25	8
180970073	2011	9	7	12	V	0.01	0	6.96	4

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	7	13	V	0.01	0	8.05	9
180970073	2011	9	7	14	V	0.01	0	7.18	357
180970073	2011	9	7	15	V	0.01	0	6.84	357
180970073	2011	9	7	16	V	0.01	0	7.55	354
180970073	2011	9	7	17	V	0.03	0	7.16	357
180970073	2011	9	7	18	V	0.03	0	4.39	357
180970073	2011	9	7	19	V	0.03	0	4.41	356
180970073	2011	9	7	20	V	0.02	0	4.8	3
180970073	2011	9	7	21	V	0.03	0	4.02	1
180970073	2011	9	7	22	V	0.02	0	5.16	9
180970073	2011	9	7	23	V	0.02	0	6.38	16
180970073	2011	9	7	24	V	0.02	0	6.91	360
180970073	2011	9	8	1	V	0.02	0	6.84	357
180970073	2011	9	8	2	V	0.02	0	7.33	357
180970073	2011	9	8	3	V	0.02	0	7.37	350
180970073	2011	9	8	4	V	0.02	0	6.21	343
180970073	2011	9	8	5	V	0.02	0	5.89	346
180970073	2011	9	8	6	V	0.01	0	5.72	345
180970073	2011	9	8	7	V	0.02	0	5.41	344
180970073	2011	9	8	8	V	0.01	0	6.23	342
180970073	2011	9	8	9	V	0.01	0	6.31	353
180970073	2011	9	8	10	V	0.02	0	5.46	343
180970073	2011	9	8	11	V	0.03	0	5.48	346
180970073	2011	9	8	12	V	0.04	0	5.07	347
180970073	2011	9	8	13	V	0.05	0	4.75	337
180970073	2011	9	8	14	V	0.03	0	5.24	338
180970073	2011	9	8	15	V	0.08	0	4.2	329
180970073	2011	9	8	16	V	0.04	0	4.97	322
180970073	2011	9	8	17	V	0.03	0	4.39	324
180970073	2011	9	8	18	V	0.03	0	3.56	329
180970073	2011	9	8	19	V	0.03	0	2.52	309
180970073	2011	9	8	20	V	0.07	0	1.86	285
180970073	2011	9	8	21	V	8.6	0	1.55	248
180970073	2011	9	8	22	V	0.09	0	1.62	212
180970073	2011	9	8	23	V	0.05	0	1.82	206
180970073	2011	9	8	24	V	0.03	0	2.06	178
180970073	2011	9	9	1	V	0.04	0	1.96	163
180970073	2011	9	9	2	V	0.04	0	1.94	161
180970073	2011	9	9	3	V	0.06	0	1.65	163
180970073	2011	9	9	4	V	0.04	0	2.01	109
180970073	2011	9	9	5	V	0.02	0	2.44	122
180970073	2011	9	9	6	V	0.1	0	2.08	126
180970073	2011	9	9	7	V	0.2	0	2.25	110
180970073	2011	9	9	8	V	0.3	0	2.13	137
180970073	2011	9	9	9	V	0.2	0	2.39	129
180970073	2011	9	9	10	V	0.3	0	2.52	142

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	9	11	V	0.1	0	3.1	145
180970073	2011	9	9	12	V	0.1	0	3.01	135
180970073	2011	9	9	13	V	0.09	0	3.01	160
180970073	2011	9	9	14	V	0.3	3.6	1.54	147
180970073	2011	9	9	15	V	0.2	2.8	1.62	158
180970073	2011	9	9	16	V	0.07	1.3	2.3	173
180970073	2011	9	9	17	V	0.04	0.6	2.54	200
180970073	2011	9	9	18	V	0.08	0	1.69	165
180970073	2011	9	9	19	V	0.06	0	2.01	110
180970073	2011	9	9	20	V	0.04	0	2.15	124
180970073	2011	9	9	21	V	0.05	0	2.03	122
180970073	2011	9	9	22	V	0.07	0	1.79	104
180970073	2011	9	9	23	V	0.05	0	1.82	112
180970073	2011	9	9	24	V	0.07	0	1.64	79
180970073	2011	9	10	1	V	0.2	0	1.26	89
180970073	2011	9	10	2	V	0.1	0	1.35	74
180970073	2011	9	10	3	V	0.07	0	1.65	40
180970073	2011	9	10	4	V	0.03	0	2.15	70
180970073	2011	9	10	5	V	0.02	0	2.83	87
180970073	2011	9	10	6	V	0.05	0	3.15	113
180970073	2011	9	10	7	V	0.08	0	3.15	131
180970073	2011	9	10	8	V	0.2	0	2.39	150
180970073	2011	9	10	9	V	0.4	0	1.84	77
180970073	2011	9	10	10	V	0.5	0	1.38	99
180970073	2011	9	10	11	V	0.2	0.9	2.42	163
180970073	2011	9	10	12	V	0.1	2	2.88	161
180970073	2011	9	10	13	V	0.1	1.9	2.86	124
180970073	2011	9	10	14	V	0.1	1.6	2.35	122
180970073	2011	9	10	15	V	0.1	1.5	2.23	133
180970073	2011	9	10	16	V	0.1	1.3	1.7	106
180970073	2011	9	10	17	V	0.1	0.8	1.4	148
180970073	2011	9	10	18	V	0.3	0.2	1.13	141
180970073	2011	9	10	19	V	0.2	0	1.25	110
180970073	2011	9	10	20	V	0.04	0	2.01	69
180970073	2011	9	10	21	V	0.04	0	2.08	86
180970073	2011	9	10	22	V	0.1	0	1.35	98
180970073	2011	9	10	23	V	0.09	0	1.55	58
180970073	2011	9	10	24	V	0.7	0	0.69	69
180970073	2011	9	11	1	V	0.1	0	1.28	331
180970073	2011	9	11	2	V	0.2	0	1.16	330
180970073	2011	9	11	3	V	0.7	0	0.69	277
180970073	2011	9	11	4	V	0.1	0	1.43	109
180970073	2011	9	11	5	V	0.1	0	1.35	114
180970073	2011	9	11	6	V	0.3	0	1.08	77
180970073	2011	9	11	7	V	1.8	0	1.72	268
180970073	2011	9	11	8	V	0.7	0	1.25	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	11	9	V	9.9	0	1.4	250
180970073	2011	9	11	10	V	0.5	0	1.82	282
180970073	2011	9	11	11	V	0.3	0.2	1.96	346
180970073	2011	9	11	12	V	0.3	1.7	1.81	31
180970073	2011	9	11	13	V	0.09	0.9	3.13	322
180970073	2011	9	11	14	V	4.2	0	3.12	226
180970073	2011	9	11	15	V	0.05	0	3.2	202
180970073	2011	9	11	16	V	2.9	0	3.17	247
180970073	2011	9	11	17	V	6.1	0.2	3.51	246
180970073	2011	9	11	18	V	0.03	0.8	2.55	291
180970073	2011	9	11	19	V	0.3	0	1.14	270
180970073	2011	9	11	20	V	0.08	0	1.96	217
180970073	2011	9	11	21	V	0.07	0	1.98	215
180970073	2011	9	11	22	V	0.04	0	2.49	211
180970073	2011	9	11	23	V	2.0	0	2.81	226
180970073	2011	9	11	24	V	0.7	0	2.96	243
180970073	2011	9	12	1	V	0.2	0	2.73	223
180970073	2011	9	12	2	V	7.5	0	2.91	229
180970073	2011	9	12	3	V	1.6	0	2.81	240
180970073	2011	9	12	4	V	2.9	0	2.42	240
180970073	2011	9	12	5	V	0.06	0	2.18	211
180970073	2011	9	12	6	V	17.8	0	2.13	232
180970073	2011	9	12	7	V	9.7	0	1.98	226
180970073	2011	9	12	8	V	11.4	0	2.2	234
180970073	2011	9	12	9	V	9.5	4	2.57	244
180970073	2011	9	12	10	V	3.3	2.1	1.88	256
180970073	2011	9	12	11	V	1.7	0.2	3.29	250
180970073	2011	9	12	12	V	2.7	8.1	4.61	235
180970073	2011	9	12	13	V	2.6	1.2	5.29	231
180970073	2011	9	12	14	V	2.1	2.1	5.68	240
180970073	2011	9	12	15	V	2.7	2.7	6.06	236
180970073	2011	9	12	16	V	2.9	2	6.07	237
180970073	2011	9	12	17	V	15.5	4.6	5.84	236
180970073	2011	9	12	18	V	22.0	3.2	6.09	232
180970073	2011	9	12	19	V	22.1	6.7	5.48	231
180970073	2011	9	12	20	V	0.03	4.6	3.75	212
180970073	2011	9	12	21	V	0.03	3.6	4.65	208
180970073	2011	9	12	22	V	0.03	0	4.49	212
180970073	2011	9	12	23	V	0.03	-999	3.85	215
180970073	2011	9	12	24	V	0.03	4.1	4.1	211
180970073	2011	9	13	1	V	0.03	0.1	4.48	208
180970073	2011	9	13	2	V	0.02	0	4.2	212
180970073	2011	9	13	3	V	0.02	0	4.03	207
180970073	2011	9	13	4	V	0.02	0.4	4.76	202
180970073	2011	9	13	5	V	0.02	1.7	4.54	204
180970073	2011	9	13	6	V	0.1	2.5	3.98	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	13	7	V	0.2	5.3	4.51	213
180970073	2011	9	13	8	V	0.3	8.3	4.9	214
180970073	2011	9	13	9	V	1.9	8.8	6.67	223
180970073	2011	9	13	10	V	5.6	15.3	8.17	229
180970073	2011	9	13	11	V	5.8	17.7	8.28	230
180970073	2011	9	13	12	V	2.9	23.2	7.6	225
180970073	2011	9	13	13	V	1.7	12	8.32	243
180970073	2011	9	13	14	V	1.7	3.3	7.99	251
180970073	2011	9	13	15	V	1.7	2.9	7.42	253
180970073	2011	9	13	16	V	0.03	3.9	7.62	268
180970073	2011	9	13	17	V	1.7	5.2	7.21	261
180970073	2011	9	13	18	V	1.4	2.4	6.7	261
180970073	2011	9	13	19	V	0.03	0	4.54	314
180970073	2011	9	13	20	V	0.03	0	4.1	323
180970073	2011	9	13	21	V	0.03	0	4.31	348
180970073	2011	9	13	22	V	0.03	0	4.63	6
180970073	2011	9	13	23	V	0.03	0	5.04	26
180970073	2011	9	13	24	V	0.02	0	4.95	34
180970073	2011	9	14	1	V	0.02	0	5.82	27
180970073	2011	9	14	2	V	0.02	0	4.56	38
180970073	2011	9	14	3	V	0.02	0	3.91	44
180970073	2011	9	14	4	V	0.02	0	3.46	48
180970073	2011	9	14	5	V	0.04	0	2.3	8
180970073	2011	9	14	6	V	0.06	0	3.34	339
180970073	2011	9	14	7	V	0.3	0	2.3	356
180970073	2011	9	14	8	V	0.2	0	3	51
180970073	2011	9	14	9	V	0.4	0	2.18	92
180970073	2011	9	14	10	V	0.2	0.4	3.44	62
180970073	2011	9	14	11	V	0.3	0	3.07	27
180970073	2011	9	14	12	V	0.07	0	4.31	31
180970073	2011	9	14	13	V	0.1	0	3.63	37
180970073	2011	9	14	14	V	0.05	0	4.61	37
180970073	2011	9	14	15	V	0.05	0	4.17	12
180970073	2011	9	14	16	V	0.04	0	3.75	358
180970073	2011	9	14	17	V	0.05	0	4.46	356
180970073	2011	9	14	18	V	0.04	0	6.91	356
180970073	2011	9	14	19	V	0.04	0	4.87	357
180970073	2011	9	14	20	V	0.04	0	4.99	4
180970073	2011	9	14	21	V	0.04	0	4.54	18
180970073	2011	9	14	22	V	0.03	0	5.84	8
180970073	2011	9	14	23	V	0.03	0	5.79	1
180970073	2011	9	14	24	V	0.02	0	8.59	5
180970073	2011	9	15	1	V	0.03	0	5.9	29
180970073	2011	9	15	2	V	0.03	0	6.45	22
180970073	2011	9	15	3	V	0.03	0	6.36	26
180970073	2011	9	15	4	V	0.03	0	5.22	16

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	15	5	V	0.02	0	4.6	3
180970073	2011	9	15	6	V	0.05	0	4.37	358
180970073	2011	9	15	7	V	0.1	0	3.73	353
180970073	2011	9	15	8	V	0.1	0	3.97	357
180970073	2011	9	15	9	V	0.04	0	5.34	15
180970073	2011	9	15	10	V	0.02	0	6.96	27
180970073	2011	9	15	11	V	0.01	0	7.35	42
180970073	2011	9	15	12	V	0.01	0	7.26	30
180970073	2011	9	15	13	V	0.01	0	7.47	19
180970073	2011	9	15	14	V	0.01	0	7.37	22
180970073	2011	9	15	15	V	0.01	0	6.48	16
180970073	2011	9	15	16	V	0.01	0	6.11	23
180970073	2011	9	15	17	V	0.02	0	5.99	17
180970073	2011	9	15	18	V	0.02	0	5.19	22
180970073	2011	9	15	19	V	0.02	0	4.97	24
180970073	2011	9	15	20	V	0.02	0	3.66	26
180970073	2011	9	15	21	V	0.02	0	3.1	28
180970073	2011	9	15	22	V	0.03	0	2.45	34
180970073	2011	9	15	23	V	0.03	0	2.42	16
180970073	2011	9	15	24	V	0.03	0	2.84	33
180970073	2011	9	16	1	V	0.03	0	2.45	36
180970073	2011	9	16	2	V	0.02	0	2.52	19
180970073	2011	9	16	3	V	0.02	0	3.4	29
180970073	2011	9	16	4	V	0.02	0	3.52	42
180970073	2011	9	16	5	V	0.02	0	3.32	43
180970073	2011	9	16	6	V	0.04	0	2.37	51
180970073	2011	9	16	7	V	0.1	0	2.62	84
180970073	2011	9	16	8	V	0.1	0.2	3.17	71
180970073	2011	9	16	9	V	0.09	0.6	3.49	81
180970073	2011	9	16	10	V	0.02	0.2	4.75	100
180970073	2011	9	16	11	V	0.01	0.2	6.35	110
180970073	2011	9	16	12	V	0.01	0.4	6.14	109
180970073	2011	9	16	13	V	0.01	0.2	4.9	105
180970073	2011	9	16	14	V	0.01	0.1	4.44	80
180970073	2011	9	16	15	V	0.01	0.3	5.04	91
180970073	2011	9	16	16	V	0.003	0	5.45	94
180970073	2011	9	16	17	V	0.01	0	5.21	78
180970073	2011	9	16	18	V	0.01	0.1	4.65	85
180970073	2011	9	16	19	V	0.01	0.2	4.63	76
180970073	2011	9	16	20	V	0.01	0	4.82	66
180970073	2011	9	16	21	V	0.01	0	5.6	84
180970073	2011	9	16	22	V	0.01	0	5.84	91
180970073	2011	9	16	23	V	0.01	0.3	6.6	102
180970073	2011	9	16	24	V	0.01	0.2	4.78	99
180970073	2011	9	17	1	V	0.01	0.1	4	99
180970073	2011	9	17	2	V	0.01	0.2	3.95	94

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	17	3	V	0.01	0.4	3.88	101
180970073	2011	9	17	4	V	0.01	0.7	3.13	88
180970073	2011	9	17	5	V	0.01	0.5	3.05	72
180970073	2011	9	17	6	V	0.03	0	3.63	47
180970073	2011	9	17	7	V	0.05	0	3.49	57
180970073	2011	9	17	8	V	0.07	0	3.25	67
180970073	2011	9	17	9	V	0.08	0.5	3.18	67
180970073	2011	9	17	10	V	0.04	1.5	3.61	76
180970073	2011	9	17	11	V	0.07	2	2.93	82
180970073	2011	9	17	12	V	0.03	1.1	3.57	76
180970073	2011	9	17	13	V	0.03	0.6	3.18	99
180970073	2011	9	17	14	V	0.03	0.6	2.91	90
180970073	2011	9	17	15	V	0.03	0.6	2.72	93
180970073	2011	9	17	16	V	0.02	0.8	2.67	75
180970073	2011	9	17	17	V	0.01	1.3	2.52	80
180970073	2011	9	17	18	V	0.01	0.8	3.12	84
180970073	2011	9	17	19	V	0.01	0.2	3.63	98
180970073	2011	9	17	20	V	0.01	0.6	3.37	96
180970073	2011	9	17	21	V	0.01	0.5	2.66	70
180970073	2011	9	17	22	V	0.02	0.3	2.47	62
180970073	2011	9	17	23	V	0.01	0	3.61	66
180970073	2011	9	17	24	V	0.01	0	3.73	93
180970073	2011	9	18	1	V	0.01	0	3.76	108
180970073	2011	9	18	2	V	0.01	0	3.98	111
180970073	2011	9	18	3	V	0.01	0.1	3.54	105
180970073	2011	9	18	4	V	0.01	0.5	3.51	103
180970073	2011	9	18	5	V	0.01	0.7	3.71	96
180970073	2011	9	18	6	V	0.03	4.2	2.76	99
180970073	2011	9	18	7	V	0.08	5.4	2.32	95
180970073	2011	9	18	8	V	0.09	9.5	2.47	108
180970073	2011	9	18	9	V	0.05	10.3	3.34	125
180970073	2011	9	18	10	V	0.05	8.1	3.47	130
180970073	2011	9	18	11	V	0.06	5.7	3.42	139
180970073	2011	9	18	12	V	0.03	2.9	4.15	137
180970073	2011	9	18	13	V	0.02	1.6	4.39	111
180970073	2011	9	18	14	V	0.02	1.1	4.78	115
180970073	2011	9	18	15	V	0.01	0	5.75	134
180970073	2011	9	18	16	V	0.01	0	5.96	136
180970073	2011	9	18	17	V	0.01	0	5.12	149
180970073	2011	9	18	18	V	0.01	0	5.56	148
180970073	2011	9	18	19	V	0.01	0.4	4.49	152
180970073	2011	9	18	20	V	0.01	1.5	5.43	147
180970073	2011	9	18	21	V	0.01	0.3	5.92	147
180970073	2011	9	18	22	V	0.01	0	5.85	146
180970073	2011	9	18	23	V	0.01	0	5.5	145
180970073	2011	9	18	24	V	0.01	0	4.73	149

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	19	1	V	0.01	0	4.65	149
180970073	2011	9	19	2	V	0.01	0	4.78	157
180970073	2011	9	19	3	V	0.02	0	4.66	164
180970073	2011	9	19	4	V	0.02	0	3.78	175
180970073	2011	9	19	5	V	0.02	0	2.95	173
180970073	2011	9	19	6	V	0.03	0	4.14	182
180970073	2011	9	19	7	V	0.1	0	3.2	188
180970073	2011	9	19	8	V	0.1	0	3.64	177
180970073	2011	9	19	9	V	0.05	0	3.95	183
180970073	2011	9	19	10	V	0.03	0	4.66	181
180970073	2011	9	19	11	V	0.02	0	5.39	182
180970073	2011	9	19	12	V	0.01	0	6.7	185
180970073	2011	9	19	13	V	0.01	0	8.11	195
180970073	2011	9	19	14	V	0.01	0	7.25	205
180970073	2011	9	19	15	V	0.01	0	6.24	206
180970073	2011	9	19	16	V	0.01	0	5.6	216
180970073	2011	9	19	17	V	5.0	0	3.23	257
180970073	2011	9	19	18	V	0.05	0	1.77	286
180970073	2011	9	19	19	V	0.03	0	2.42	331
180970073	2011	9	19	20	V	0.08	0	1.74	311
180970073	2011	9	19	21	V	0.2	0	1.38	310
180970073	2011	9	19	22	V	0.06	0	1.86	334
180970073	2011	9	19	23	V	0.05	-999	1.82	358
180970073	2011	9	19	24	V	0.07	0	1.64	337
180970073	2011	9	20	1	V	0.8	0	0.63	352
180970073	2011	9	20	2	V	0.1	0	1.4	3
180970073	2011	9	20	3	V	0.04	0	2.03	5
180970073	2011	9	20	4	V	0.05	0	1.84	6
180970073	2011	9	20	5	V	0.05	0	1.89	19
180970073	2011	9	20	6	V	0.06	0	2.38	37
180970073	2011	9	20	7	V	0.2	0	2.71	48
180970073	2011	9	20	8	V	0.2	0	2.27	42
180970073	2011	9	20	9	V	0.3	0	2.3	56
180970073	2011	9	20	10	V	0.1	0	3.1	102
180970073	2011	9	20	11	V	0.1	0	3.08	122
180970073	2011	9	20	12	V	0.1	0	2.92	174
180970073	2011	9	20	13	V	0.2	0	2.55	166
180970073	2011	9	20	14	V	0.08	0	3	157
180970073	2011	9	20	15	V	0.08	0	2.86	131
180970073	2011	9	20	16	V	0.03	0	3.8	138
180970073	2011	9	20	17	V	0.03	0	3.63	153
180970073	2011	9	20	18	V	0.02	0	2.91	157
180970073	2011	9	20	19	V	0.02	0	3.35	149
180970073	2011	9	20	20	V	0.02	0	3.69	156
180970073	2011	9	20	21	V	0.02	0	3.42	165
180970073	2011	9	20	22	V	0.02	0	2.79	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	20	23	V	0.02	0	3.32	176
180970073	2011	9	20	24	V	0.03	0	2.23	185
180970073	2011	9	21	1	V	0.02	0	2.79	171
180970073	2011	9	21	2	V	0.03	0	1.76	214
180970073	2011	9	21	3	V	0.5	0	1.89	224
180970073	2011	9	21	4	V	0.01	0	2.71	206
180970073	2011	9	21	5	V	0.01	0	2.62	208
180970073	2011	9	21	6	V	0.05	0	2.39	206
180970073	2011	9	21	7	V	6.2	0	2.47	244
180970073	2011	9	21	8	V	2.6	0	2.47	231
180970073	2011	9	21	9	V	6.0	0.7	4	252
180970073	2011	9	21	10	V	1.8	7.6	4.31	261
180970073	2011	9	21	11	V	1.8	2.4	4.1	237
180970073	2011	9	21	12	V	1.3	2.4	4.7	237
180970073	2011	9	21	13	V	1.4	0	5.21	233
180970073	2011	9	21	14	V	1.3	0	5.51	242
180970073	2011	9	21	15	V	1.8	0.7	5.94	246
180970073	2011	9	21	16	V	2.7	1	5.99	249
180970073	2011	9	21	17	V	3.0	1.5	6.23	244
180970073	2011	9	21	18	V	0.8	2.1	5.53	263
180970073	2011	9	21	19	V	0.01	0.8	3.75	271
180970073	2011	9	21	20	V	0.01	0	2.79	291
180970073	2011	9	21	21	V	0.01	0	2.76	289
180970073	2011	9	21	22	V	0.01	0	3.01	295
180970073	2011	9	21	23	V	0.03	0	2.03	304
180970073	2011	9	21	24	V	0.07	0	1.47	271
180970073	2011	9	22	1	V	1.4	0	1.31	225
180970073	2011	9	22	2	V	0.4	0	1.81	223
180970073	2011	9	22	3	V	2.8	0	2.47	245
180970073	2011	9	22	4	V	0.02	0	2.1	274
180970073	2011	9	22	5	V	0.5	0	0.58	282
180970073	2011	9	22	6	V	0.09	0	1.98	321
180970073	2011	9	22	7	V	0.6	0	1.04	322
180970073	2011	9	22	8	V	0.4	0	1.2	138
180970073	2011	9	22	9	V	0.2	0.1	1.76	312
180970073	2011	9	22	10	V	0.5	0.2	1.23	2
180970073	2011	9	22	11	V	0.07	0.7	2.56	311
180970073	2011	9	22	12	V	0.04	0	3.03	300
180970073	2011	9	22	13	V	0.3	0	2.66	275
180970073	2011	9	22	14	V	2.8	0	2.89	254
180970073	2011	9	22	15	V	2.9	0	3.59	251
180970073	2011	9	22	16	V	0.2	0	4.22	263
180970073	2011	9	22	17	V	0.01	0	5.89	292
180970073	2011	9	22	18	V	0.01	0	5.55	301
180970073	2011	9	22	19	V	0.01	0	4.95	312
180970073	2011	9	22	20	V	0.01	0	2.38	318

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	22	21	V	0.01	0	3.23	317
180970073	2011	9	22	22	V	0.01	0	3.01	309
180970073	2011	9	22	23	V	0.03	0	1.89	344
180970073	2011	9	22	24	V	0.03	0	2.01	13
180970073	2011	9	23	1	V	0.3	0	0.8	15
180970073	2011	9	23	2	V	0.07	0	1.37	309
180970073	2011	9	23	3	V	0.03	0	1.77	287
180970073	2011	9	23	4	V	0.03	0	1.89	287
180970073	2011	9	23	5	V	0.03	0	1.88	306
180970073	2011	9	23	6	V	0.02	0	3.23	300
180970073	2011	9	23	7	V	0.03	0	3.68	321
180970073	2011	9	23	8	V	0.05	0	3.13	312
180970073	2011	9	23	9	V	0.05	0	3.41	317
180970073	2011	9	23	10	V	0.07	0	3.37	304
180970073	2011	9	23	11	V	0.09	0	3	301
180970073	2011	9	23	12	V	0.6	0	3.12	268
180970073	2011	9	23	13	V	0.04	0	4.65	275
180970073	2011	9	23	14	V	0.5	0	4.7	263
180970073	2011	9	23	15	V	1.0	0	4.29	243
180970073	2011	9	23	16	V	1.3	0	3.93	257
180970073	2011	9	23	17	V	4.3	0	4.8	257
180970073	2011	9	23	18	V	5.5	0	3.22	256
180970073	2011	9	23	19	V	2.7	0	2.44	258
180970073	2011	9	23	20	V	0.02	0	2.25	216
180970073	2011	9	23	21	V	0.03	0	2.13	215
180970073	2011	9	23	22	V	0.06	0	1.43	191
180970073	2011	9	23	23	V	0.02	0	2.22	359
180970073	2011	9	23	24	V	0.01	0	2.84	37
180970073	2011	9	24	1	V	0.02	0	2.27	75
180970073	2011	9	24	2	V	0.03	0	1.88	162
180970073	2011	9	24	3	V	0.09	0	1.18	179
180970073	2011	9	24	4	V	0.02	0	2.15	145
180970073	2011	9	24	5	V	0.03	0	1.89	168
180970073	2011	9	24	6	V	0.03	0	1.77	151
180970073	2011	9	24	7	V	0.09	0	2.22	139
180970073	2011	9	24	8	V	0.09	0	2.47	147
180970073	2011	9	24	9	V	0.04	0	3.64	149
180970073	2011	9	24	10	V	0.04	0	4.22	147
180970073	2011	9	24	11	V	0.02	0	4.07	163
180970073	2011	9	24	12	V	0.02	0	3.44	165
180970073	2011	9	24	13	V	0.01	0	5.67	182
180970073	2011	9	24	14	V	0.01	0	6.28	191
180970073	2011	9	24	15	V	0.004	0	6.74	175
180970073	2011	9	24	16	V	0.003	0	7.11	175
180970073	2011	9	24	17	V	0.01	0	6.21	157
180970073	2011	9	24	18	V	0.01	0	6.12	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	24	19	V	0.01	0	3.05	120
180970073	2011	9	24	20	V	0.01	0	3.13	83
180970073	2011	9	24	21	V	0.02	0	1.87	62
180970073	2011	9	24	22	V	0.01	0	3.2	360
180970073	2011	9	24	23	V	0.01	0	3.39	320
180970073	2011	9	24	24	V	0.01	0	2.83	331
180970073	2011	9	25	1	V	0.01	0	3.3	348
180970073	2011	9	25	2	V	0.01	0	2.67	40
180970073	2011	9	25	3	V	0.01	0	2.9	43
180970073	2011	9	25	4	V	0.01	0	4	62
180970073	2011	9	25	5	V	0.01	0	2.93	86
180970073	2011	9	25	6	V	0.02	0	3.15	86
180970073	2011	9	25	7	V	0.04	0	3.03	115
180970073	2011	9	25	8	V	0.02	0	4.53	141
180970073	2011	9	25	9	V	0.01	0	5.34	183
180970073	2011	9	25	10	V	0.08	0	4.56	215
180970073	2011	9	25	11	V	0.01	0	5.09	187
180970073	2011	9	25	12	V	0.01	0	6.58	135
180970073	2011	9	25	13	V	0.03	0	4.02	153
180970073	2011	9	25	14	V	0.01	0	5.78	144
180970073	2011	9	25	15	V	0.004	0	7.01	169
180970073	2011	9	25	16	V	0.004	0	6.89	152
180970073	2011	9	25	17	V	0.01	0	5.14	142
180970073	2011	9	25	18	V	0.01	0	2.86	61
180970073	2011	9	25	19	V	0.01	0	3	60
180970073	2011	9	25	20	V	0.01	0	2.95	326
180970073	2011	9	25	21	V	0.01	0	4.37	41
180970073	2011	9	25	22	V	0.01	0	6.75	9
180970073	2011	9	25	23	V	0.01	0	7.77	40
180970073	2011	9	25	24	V	0.01	0	5.89	63
180970073	2011	9	26	1	V	0.01	0	2.49	78
180970073	2011	9	26	2	V	0.01	0	5.24	152
180970073	2011	9	26	3	V	0.01	0	6.35	189
180970073	2011	9	26	4	V	0.02	0	7.47	218
180970073	2011	9	26	5	V	1.1	0	5.24	240
180970073	2011	9	26	6	V	5.2	0	4.2	246
180970073	2011	9	26	7	V	4.0	0	4.71	253
180970073	2011	9	26	8	V	1.9	0	4.73	243
180970073	2011	9	26	9	V	1.9	0.1	4.73	241
180970073	2011	9	26	10	V	0.03	0	4.24	207
180970073	2011	9	26	11	V	0.5	1.3	5.34	223
180970073	2011	9	26	12	V	0.2	3.3	5.36	220
180970073	2011	9	26	13	V	0.1	0.9	5.16	217
180970073	2011	9	26	14	V	0.01	0.3	6.14	203
180970073	2011	9	26	15	V	0.003	0	7.18	205
180970073	2011	9	26	16	V	0.003	0	7.37	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	26	17	V	0.01	0	7.21	207
180970073	2011	9	26	18	V	0.01	0	5.73	200
180970073	2011	9	26	19	V	0.01	0	4.87	178
180970073	2011	9	26	20	V	0.01	0	5.02	170
180970073	2011	9	26	21	V	0.01	0	4.85	165
180970073	2011	9	26	22	V	0.01	0	5.85	172
180970073	2011	9	26	23	V	0.01	-999	5.99	169
180970073	2011	9	26	24	V	0.01	0	6.38	175
180970073	2011	9	27	1	V	0.01	0	6.33	180
180970073	2011	9	27	2	V	0.02	0	6.31	189
180970073	2011	9	27	3	V	0.02	0	6.4	174
180970073	2011	9	27	4	V	0.02	0	5.9	158
180970073	2011	9	27	5	V	0.02	0	6.46	152
180970073	2011	9	27	6	V	0.02	0	6.8	163
180970073	2011	9	27	7	V	0.01	0	5.94	166
180970073	2011	9	27	8	V	0.01	0	6.3	168
180970073	2011	9	27	9	V	0.01	0	6.07	178
180970073	2011	9	27	10	V	0.01	0	7.42	194
180970073	2011	9	27	11	V	0.01	0.1	7.64	206
180970073	2011	9	27	12	V	0.2	0.1	6.96	220
180970073	2011	9	27	13	V	1.0	2.2	7.52	224
180970073	2011	9	27	14	V	1.7	3.2	8.98	238
180970073	2011	9	27	15	V	1.1	0	9.17	246
180970073	2011	9	27	16	V	1.6	1.3	8.62	248
180970073	2011	9	27	17	V	5.8	0.2	7.69	249
180970073	2011	9	27	18	V	5.7	1.5	6.52	248
180970073	2011	9	27	19	V	9.2	0.3	5.29	236
180970073	2011	9	27	20	V	0.7	2.7	4.63	222
180970073	2011	9	27	21	V	0.2	0	4.71	219
180970073	2011	9	27	22	V	0.09	0.9	5.1	218
180970073	2011	9	27	23	V	3.1	1.4	5.6	226
180970073	2011	9	27	24	V	5.7	3.8	5.6	229
180970073	2011	9	28	1	V	4.5	4.2	5.67	238
180970073	2011	9	28	2	V	7.0	6.7	4.07	230
180970073	2011	9	28	3	V	2.6	2.7	4.07	242
180970073	2011	9	28	4	V	6.3	2.9	3.64	229
180970073	2011	9	28	5	V	2.6	1.2	3.74	241
180970073	2011	9	28	6	V	5.4	1.7	4.31	237
180970073	2011	9	28	7	V	4.1	0.9	3.69	245
180970073	2011	9	28	8	V	3.9	0.8	2.76	240
180970073	2011	9	28	9	V	0.09	0.9	2.91	186
180970073	2011	9	28	10	V	0.08	0.4	3.83	210
180970073	2011	9	28	11	V	2.1	1	4.02	228
180970073	2011	9	28	12	V	3.3	0.9	5.31	254
180970073	2011	9	28	13	V	0.05	1.2	4.54	272
180970073	2011	9	28	14	V	2.0	0.3	3.63	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	28	15	V	3.0	0.2	3.69	250
180970073	2011	9	28	16	V	0.01	0	3.63	297
180970073	2011	9	28	17	V	4.7	0	4.34	257
180970073	2011	9	28	18	V	3.0	0.6	4.85	243
180970073	2011	9	28	19	V	7.4	0.6	3.15	255
180970073	2011	9	28	20	V	0.03	0	3.75	306
180970073	2011	9	28	21	V	9.0	0	3.22	229
180970073	2011	9	28	22	V	5.6	0	2.5	235
180970073	2011	9	28	23	V	0.7	0.1	2.44	242
180970073	2011	9	28	24	V	0.7	0	2.52	241
180970073	2011	9	29	1	V	4.9	0	2.32	246
180970073	2011	9	29	2	V	4.5	0	2.3	257
180970073	2011	9	29	3	V	0.8	0	2.28	261
180970073	2011	9	29	4	V	1.7	0	2.64	234
180970073	2011	9	29	5	V	2.6	0	1.82	232
180970073	2011	9	29	6	V	2.3	0	1.82	232
180970073	2011	9	29	7	V	1.7	0	2.42	224
180970073	2011	9	29	8	V	2.3	0	2.39	227
180970073	2011	9	29	9	V	3.6	2.3	3.37	238
180970073	2011	9	29	10	V	3.2	6	3.66	239
180970073	2011	9	29	11	V	2.1	3.5	4.88	242
180970073	2011	9	29	12	V	1.9	3.8	6.75	248
180970073	2011	9	29	13	V	1.0	3.4	6.47	234
180970073	2011	9	29	14	V	1.0	2.2	6.94	231
180970073	2011	9	29	15	V	0.7	0.4	8.49	231
180970073	2011	9	29	16	V	0.07	0.5	8.13	223
180970073	2011	9	29	17	V	0.01	0	10.24	316
180970073	2011	9	29	18	V	0.01	0	7.81	292
180970073	2011	9	29	19	V	1.0	0	5.8	262
180970073	2011	9	29	20	V	3.9	0	6.01	257
180970073	2011	9	29	21	V	5.6	0	6.33	248
180970073	2011	9	29	22	V	4.7	1.2	7.31	247
180970073	2011	9	29	23	V	0.4	1.1	7.45	264
180970073	2011	9	29	24	V	0.01	0	7.32	277
180970073	2011	9	30	1	V	2.7	0	6.62	259
180970073	2011	9	30	2	V	0.01	0	9.32	286
180970073	2011	9	30	3	V	0.01	0	8.54	293
180970073	2011	9	30	4	V	0.01	0	7.76	290
180970073	2011	9	30	5	V	0.01	0	7.38	295
180970073	2011	9	30	6	V	0.01	0	8.35	301
180970073	2011	9	30	7	V	0.003	0	8.33	292
180970073	2011	9	30	8	V	0.003	0	8.56	297
180970073	2011	9	30	9	V	0.003	0	8.69	303
180970073	2011	9	30	10	V	0.003	0	8.62	309
180970073	2011	9	30	11	V	0.002	0	9.05	308
180970073	2011	9	30	12	V	0.003	0	8.28	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	9	30	13	V	0.004	0	7.91	316
180970073	2011	9	30	14	V	0.002	0	9.27	330
180970073	2011	9	30	15	V	0.002	0	9.56	344
180970073	2011	9	30	16	V	0.002	0	9.76	334
180970073	2011	9	30	17	V	0.01	0	8.74	350
180970073	2011	9	30	18	V	0.01	0	7.96	341
180970073	2011	9	30	19	V	0.01	0	6.86	336
180970073	2011	9	30	20	V	0.01	0	7.48	5
180970073	2011	9	30	21	V	0.01	0	5.84	349
180970073	2011	9	30	22	V	0.01	0	6.3	343
180970073	2011	9	30	23	V	0.01	0	5.89	339
180970073	2011	9	30	24	V	0.01	0	6.21	343
180970073	2011	10	1	1	V	0.01	0	5.29	339
180970073	2011	10	1	2	V	0.01	0	5.12	338
180970073	2011	10	1	3	V	0.01	0	5.09	337
180970073	2011	10	1	4	V	0.01	0	5.48	339
180970073	2011	10	1	5	V	0.01	0	5.21	339
180970073	2011	10	1	6	V	0.01	0	4.83	336
180970073	2011	10	1	7	V	0.01	0	4.49	334
180970073	2011	10	1	8	V	0.01	0	5.51	334
180970073	2011	10	1	9	V	0.003	0	6.94	352
180970073	2011	10	1	10	V	0.01	0	6.11	357
180970073	2011	10	1	11	V	0.01	0	6.24	356
180970073	2011	10	1	12	V	0.004	0	7.18	345
180970073	2011	10	1	13	V	0.004	0	7.18	351
180970073	2011	10	1	14	V	0.004	0	6.69	349
180970073	2011	10	1	15	V	0.004	0	6.53	350
180970073	2011	10	1	16	V	0.003	0	6.82	338
180970073	2011	10	1	17	V	0.01	0	6.3	342
180970073	2011	10	1	18	V	0.01	0	6.24	340
180970073	2011	10	1	19	V	0.01	0	5.51	334
180970073	2011	10	1	20	V	0.01	0	4.54	331
180970073	2011	10	1	21	V	0.01	0	4.61	338
180970073	2011	10	1	22	V	0.01	0	4.92	356
180970073	2011	10	1	23	V	0.01	0	4.2	7
180970073	2011	10	1	24	V	0.01	0	3.52	12
180970073	2011	10	2	1	V	0.02	0	2.45	7
180970073	2011	10	2	2	V	0.04	0	1.62	337
180970073	2011	10	2	3	V	0.03	0	1.81	295
180970073	2011	10	2	4	V	0.02	0	2.5	315
180970073	2011	10	2	5	V	0.01	0	3.52	328
180970073	2011	10	2	6	V	0.01	0	3.91	326
180970073	2011	10	2	7	V	0.03	0	3.95	318
180970073	2011	10	2	8	V	0.06	0	3.44	322
180970073	2011	10	2	9	V	0.1	0	3.01	329
180970073	2011	10	2	10	V	0.06	0	3.29	329

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	2	11	V	0.02	0	4.92	340
180970073	2011	10	2	12	V	0.01	0	5.22	336
180970073	2011	10	2	13	V	0.02	0	4.58	322
180970073	2011	10	2	14	V	0.01	0	5.02	335
180970073	2011	10	2	15	V	0.01	0	5.39	325
180970073	2011	10	2	16	V	0.004	0	6.23	324
180970073	2011	10	2	17	V	0.01	0	6.45	326
180970073	2011	10	2	18	V	0.01	0.1	5.77	320
180970073	2011	10	2	19	V	0.01	1.7	4.56	314
180970073	2011	10	2	20	V	0.01	3.5	5.16	325
180970073	2011	10	2	21	V	0.01	4.1	4.43	330
180970073	2011	10	2	22	V	0.01	2.1	3.2	337
180970073	2011	10	2	23	V	0.02	0.9	2.22	326
180970073	2011	10	2	24	V	0.03	0.1	1.91	332
180970073	2011	10	3	1	V	0.06	0	1.42	296
180970073	2011	10	3	2	V	0.03	0	1.99	273
180970073	2011	10	3	3	V	0.03	0	1.87	275
180970073	2011	10	3	4	V	4.6	0	2.11	257
180970073	2011	10	3	5	V	0.03	0	1.94	288
180970073	2011	10	3	6	V	0.1	0	1.23	296
180970073	2011	10	3	7	V	6.1	0.1	1.84	257
180970073	2011	10	3	8	V	7.0	0.6	3	250
180970073	2011	10	3	9	V	0.5	1	1.4	308
180970073	2011	10	3	10	V	0.2	0.6	2.27	332
180970073	2011	10	3	11	V	0.1	0.2	2.23	349
180970073	2011	10	3	12	V	0.2	0.3	1.86	4
180970073	2011	10	3	13	V	0.01	0.4	4.83	333
180970073	2011	10	3	14	V	0.01	0.3	6.18	327
180970073	2011	10	3	15	V	0.01	0	5.16	352
180970073	2011	10	3	16	V	0.004	0	5.43	321
180970073	2011	10	3	17	V	0.01	0	4.8	330
180970073	2011	10	3	18	V	0.01	0	3.52	347
180970073	2011	10	3	19	V	0.02	0	2.47	341
180970073	2011	10	3	20	V	0.02	0.1	2.55	336
180970073	2011	10	3	21	V	0.01	0.2	3.68	2
180970073	2011	10	3	22	V	0.01	0.2	3.27	13
180970073	2011	10	3	23	V	0.01	-999	3.49	22
180970073	2011	10	3	24	V	0.02	0	2.42	21
180970073	2011	10	4	1	V	0.06	0	1.45	3
180970073	2011	10	4	2	V	0.07	0	1.42	319
180970073	2011	10	4	3	V	0.05	0	1.48	344
180970073	2011	10	4	4	V	0.04	0	1.69	13
180970073	2011	10	4	5	V	0.04	0	1.67	22
180970073	2011	10	4	6	V	0.03	0	1.72	25
180970073	2011	10	4	7	V	0.3	0.3	1.42	22
180970073	2011	10	4	8	V	1.1	0.4	0.86	348

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	4	9	V	0.5	2.8	1.38	31
180970073	2011	10	4	10	V	1.4	1.6	0.63	68
180970073	2011	10	4	11	V	0.9	0.5	0.96	107
180970073	2011	10	4	12	V	0.5	0.3	1.18	70
180970073	2011	10	4	13	V	0.5	0.1	1.2	124
180970073	2011	10	4	14	V	0.3	0.1	1.26	90
180970073	2011	10	4	15	V	0.3	0	1.48	285
180970073	2011	10	4	16	V	0.09	0	1.31	142
180970073	2011	10	4	17	V	0.1	0	1.16	156
180970073	2011	10	4	18	V	1.7	0	0.63	222
180970073	2011	10	4	19	V	0.5	0.1	0.7	298
180970073	2011	10	4	20	V	0.6	0.4	0.53	13
180970073	2011	10	4	21	C	-999	0	0	0
180970073	2011	10	4	22	V	0.7	0.4	0.62	213
180970073	2011	10	4	23	V	5.5	0.6	0.77	236
180970073	2011	10	4	24	C	-999	0.7	0	0
180970073	2011	10	5	1	C	-999	0.5	0	0
180970073	2011	10	5	2	C	-999	0.3	0	0
180970073	2011	10	5	3	C	-999	0.1	0	0
180970073	2011	10	5	4	V	0.06	0	1.76	68
180970073	2011	10	5	5	C	-999	0	0	0
180970073	2011	10	5	6	C	-999	0	0	0
180970073	2011	10	5	7	C	-999	0.1	0	0
180970073	2011	10	5	8	C	-999	0.5	0	0
180970073	2011	10	5	9	C	-999	0.6	0	0
180970073	2011	10	5	10	V	1.0	0.2	1.19	183
180970073	2011	10	5	11	V	1.3	0.1	1.13	199
180970073	2011	10	5	12	V	1.2	0	1.06	194
180970073	2011	10	5	13	V	0.8	0	1.2	89
180970073	2011	10	5	14	V	0.3	0	1.62	135
180970073	2011	10	5	15	V	0.2	0	1.65	126
180970073	2011	10	5	16	V	0.05	0	1.59	148
180970073	2011	10	5	17	V	0.07	0	1.37	139
180970073	2011	10	5	18	V	0.05	0	1.57	108
180970073	2011	10	5	19	V	0.03	0	2.1	126
180970073	2011	10	5	20	V	0.02	0	2.57	183
180970073	2011	10	5	21	V	0.1	0	1.47	216
180970073	2011	10	5	22	V	3.9	0.3	0.77	234
180970073	2011	10	5	23	V	0.1	0.2	1.11	101
180970073	2011	10	5	24	V	0.05	0.2	1.59	103
180970073	2011	10	6	1	V	0.1	0	1.2	120
180970073	2011	10	6	2	V	0.3	0	0.82	288
180970073	2011	10	6	3	V	0.04	0	1.57	89
180970073	2011	10	6	4	V	0.07	0	1.38	59
180970073	2011	10	6	5	V	0.1	0	1.2	56
180970073	2011	10	6	6	V	0.04	0	1.57	69

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	6	7	V	0.3	0	1.33	43
180970073	2011	10	6	8	V	0.4	0.2	1.38	56
180970073	2011	10	6	9	V	0.1	1.3	2.44	115
180970073	2011	10	6	10	V	0.4	1.1	1.43	141
180970073	2011	10	6	11	V	0.2	1	1.63	149
180970073	2011	10	6	12	V	0.06	2.2	2.56	142
180970073	2011	10	6	13	V	0.04	1.5	2.96	134
180970073	2011	10	6	14	V	0.04	0.4	2.78	132
180970073	2011	10	6	15	V	0.02	0.6	3.32	127
180970073	2011	10	6	16	V	0.03	1.2	2.9	129
180970073	2011	10	6	17	V	0.01	3.7	3.12	133
180970073	2011	10	6	18	V	0.01	3.9	2.91	133
180970073	2011	10	6	19	V	0.04	2.8	1.76	136
180970073	2011	10	6	20	V	0.04	1.7	1.72	144
180970073	2011	10	6	21	V	0.02	1.3	2.13	113
180970073	2011	10	6	22	V	0.02	0.7	2.52	126
180970073	2011	10	6	23	V	0.01	0.6	2.93	133
180970073	2011	10	6	24	V	0.01	0	3.44	130
180970073	2011	10	7	1	V	0.01	0	2.69	114
180970073	2011	10	7	2	V	0.02	0	2.35	109
180970073	2011	10	7	3	V	0.02	0	2.2	107
180970073	2011	10	7	4	V	0.01	0.2	2.74	113
180970073	2011	10	7	5	V	0.03	0.3	2.05	122
180970073	2011	10	7	6	V	0.02	0	2.13	107
180970073	2011	10	7	7	V	0.1	0	1.99	84
180970073	2011	10	7	8	V	0.3	0.8	1.72	85
180970073	2011	10	7	9	V	0.2	1.9	2.3	116
180970073	2011	10	7	10	V	0.2	1.9	2.44	122
180970073	2011	10	7	11	V	0.2	0.7	1.77	136
180970073	2011	10	7	12	V	0.2	0	1.67	123
180970073	2011	10	7	13	V	0.2	0	1.74	138
180970073	2011	10	7	14	V	0.2	0	1.67	121
180970073	2011	10	7	15	V	0.05	0	2.32	141
180970073	2011	10	7	16	V	0.01	0	2.88	129
180970073	2011	10	7	17	V	0.01	0	3.49	136
180970073	2011	10	7	18	V	0.01	1.2	2.57	167
180970073	2011	10	7	19	V	0.02	1.4	2.33	154
180970073	2011	10	7	20	V	0.01	1.3	3.05	137
180970073	2011	10	7	21	V	0.02	0.9	2.4	139
180970073	2011	10	7	22	V	0.01	0.4	2.93	131
180970073	2011	10	7	23	V	0.01	0	3.17	128
180970073	2011	10	7	24	V	0.01	0	3.34	128
180970073	2011	10	8	1	V	0.01	0.4	3.4	126
180970073	2011	10	8	2	V	0.01	0.7	3.37	130
180970073	2011	10	8	3	V	0.01	0.5	3.34	135
180970073	2011	10	8	4	V	0.01	0.2	3.05	127

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	8	5	V	0.03	0	1.96	122
180970073	2011	10	8	6	V	0.04	0.2	1.55	107
180970073	2011	10	8	7	V	0.2	0	1.77	112
180970073	2011	10	8	8	V	0.2	0.6	1.84	109
180970073	2011	10	8	9	V	0.1	1	2.52	141
180970073	2011	10	8	10	V	0.09	0.8	2.78	175
180970073	2011	10	8	11	V	0.05	2.3	3.2	200
180970073	2011	10	8	12	V	0.1	2.1	2.76	207
180970073	2011	10	8	13	V	0.05	0.8	3.17	204
180970073	2011	10	8	14	V	0.05	0.2	2.44	179
180970073	2011	10	8	15	V	0.02	0	2.91	159
180970073	2011	10	8	16	V	0.02	0	3.22	180
180970073	2011	10	8	17	V	0.01	0	3.56	160
180970073	2011	10	8	18	V	0.01	0	3.08	165
180970073	2011	10	8	19	V	0.01	0	2.95	153
180970073	2011	10	8	20	V	0.01	0	3.13	157
180970073	2011	10	8	21	V	0.01	0	2.74	151
180970073	2011	10	8	22	V	0.03	0	1.99	139
180970073	2011	10	8	23	V	0.04	0	1.79	99
180970073	2011	10	8	24	V	0.02	0	2.16	116
180970073	2011	10	9	1	V	0.04	0	1.57	82
180970073	2011	10	9	2	V	0.04	0	1.6	99
180970073	2011	10	9	3	V	0.2	0	0.92	81
180970073	2011	10	9	4	V	0.2	0	1.02	78
180970073	2011	10	9	5	V	0.04	0	1.6	68
180970073	2011	10	9	6	V	0.04	0	1.53	61
180970073	2011	10	9	7	V	0.1	0	2.16	44
180970073	2011	10	9	8	V	0.3	0	1.48	19
180970073	2011	10	9	9	V	0.3	0	1.79	64
180970073	2011	10	9	10	V	0.1	1.5	2.18	87
180970073	2011	10	9	11	V	0.1	0.5	2.08	88
180970073	2011	10	9	12	V	0.05	0.1	2.27	84
180970073	2011	10	9	13	V	0.02	0.8	3.15	95
180970073	2011	10	9	14	V	0.01	1.5	3.9	88
180970073	2011	10	9	15	V	0.01	0.9	3.78	89
180970073	2011	10	9	16	V	0.02	1.1	3.97	91
180970073	2011	10	9	17	V	0.01	0.6	4.36	90
180970073	2011	10	9	18	V	0.01	0.2	3.47	90
180970073	2011	10	9	19	V	0.01	0	3.59	108
180970073	2011	10	9	20	V	0.01	0	4.19	120
180970073	2011	10	9	21	V	0.01	0	4.02	114
180970073	2011	10	9	22	V	0.01	0.2	3.47	110
180970073	2011	10	9	23	V	0.01	0.1	3.61	114
180970073	2011	10	9	24	V	0.02	0.2	2.47	102
180970073	2011	10	10	1	V	0.02	0.6	2.32	106
180970073	2011	10	10	2	V	0.03	3.3	1.76	103

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	10	3	V	0.02	2.8	2.06	99
180970073	2011	10	10	4	V	0.03	3.3	1.77	71
180970073	2011	10	10	5	V	0.04	5.3	1.64	81
180970073	2011	10	10	6	V	0.02	4.5	2.01	86
180970073	2011	10	10	7	V	0.1	5.1	1.98	85
180970073	2011	10	10	8	V	0.09	3.9	2.62	108
180970073	2011	10	10	9	V	0.1	3.4	2.37	116
180970073	2011	10	10	10	V	0.06	2.1	3.59	122
180970073	2011	10	10	11	V	0.2	1.3	1.82	125
180970073	2011	10	10	12	V	0.06	0.5	3.12	123
180970073	2011	10	10	13	V	0.05	0	3	129
180970073	2011	10	10	14	V	0.03	0	3.18	120
180970073	2011	10	10	15	V	0.02	0.2	2.98	160
180970073	2011	10	10	16	V	0.01	0	1.62	168
180970073	2011	10	10	17	V	0.02	0	2.64	123
180970073	2011	10	10	18	V	0.02	0	2.61	134
180970073	2011	10	10	19	V	0.2	0	1.03	124
180970073	2011	10	10	20	V	0.1	0	1.14	121
180970073	2011	10	10	21	V	0.04	0.6	1.67	121
180970073	2011	10	10	22	V	0.05	1.4	1.59	98
180970073	2011	10	10	23	V	0.07	-999	1.33	86
180970073	2011	10	10	24	V	0.02	0.7	2.33	101
180970073	2011	10	11	1	V	0.01	2.4	2.98	112
180970073	2011	10	11	2	V	0.02	3.1	2.71	105
180970073	2011	10	11	3	V	0.07	2	1.48	61
180970073	2011	10	11	4	V	0.06	1.8	1.76	53
180970073	2011	10	11	5	V	0.05	3.2	2.04	62
180970073	2011	10	11	6	V	0.04	2.5	2.22	60
180970073	2011	10	11	7	V	0.3	1.8	2.05	63
180970073	2011	10	11	8	V	0.5	7.5	1.96	63
180970073	2011	10	11	9	V	0.5	8.1	2.27	101
180970073	2011	10	11	10	V	0.2	5.5	2.71	125
180970073	2011	10	11	11	V	0.4	3	1.79	116
180970073	2011	10	11	12	V	0.3	2.8	1.88	125
180970073	2011	10	11	13	V	0.07	2.5	3.22	121
180970073	2011	10	11	14	V	0.02	6	4.77	132
180970073	2011	10	11	15	V	0.01	1.8	5.85	145
180970073	2011	10	11	16	V	0.005	0.6	5.61	143
180970073	2011	10	11	17	V	0.02	0	5.43	138
180970073	2011	10	11	18	V	0.02	0.1	3.52	129
180970073	2011	10	11	19	V	0.02	2.8	2.5	169
180970073	2011	10	11	20	V	0.05	2.7	1.91	126
180970073	2011	10	11	21	V	0.2	2	1.21	138
180970073	2011	10	11	22	V	0.6	1.5	0.74	174
180970073	2011	10	11	23	V	0.06	1.1	1.64	135
180970073	2011	10	11	24	V	0.2	0.3	1.21	131

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	12	1	V	0.03	0.3	2.2	126
180970073	2011	10	12	2	V	0.08	0.6	1.43	73
180970073	2011	10	12	3	V	0.03	1.3	2.1	100
180970073	2011	10	12	4	V	0.03	2.4	2.18	110
180970073	2011	10	12	5	V	0.02	1.4	2.47	119
180970073	2011	10	12	6	V	0.03	0.4	2.45	136
180970073	2011	10	12	7	V	0.06	0	3.08	118
180970073	2011	10	12	8	V	0.1	0	2.98	138
180970073	2011	10	12	9	V	0.1	0	3.13	122
180970073	2011	10	12	10	V	0.1	1.6	3.34	126
180970073	2011	10	12	11	V	0.1	5.7	3.52	115
180970073	2011	10	12	12	V	0.1	3.7	3.2	128
180970073	2011	10	12	13	V	0.1	-999	2.96	127
180970073	2011	10	12	14	V	0.06	3.4	3.71	138
180970073	2011	10	12	15	V	0.04	2.2	3.8	136
180970073	2011	10	12	16	V	0.04	1.9	3.93	117
180970073	2011	10	12	17	V	0.03	2	3.41	114
180970073	2011	10	12	18	V	0.03	1.5	3.88	118
180970073	2011	10	12	19	V	0.03	0.6	3.08	120
180970073	2011	10	12	20	V	0.04	0.5	2.69	112
180970073	2011	10	12	21	V	0.04	0.7	3.4	116
180970073	2011	10	12	22	V	0.03	0.4	3.37	122
180970073	2011	10	12	23	V	0.04	0.2	3.98	140
180970073	2011	10	12	24	V	0.03	0	3.93	137
180970073	2011	10	13	1	V	0.03	0	3.17	135
180970073	2011	10	13	2	V	0.03	0	3.37	145
180970073	2011	10	13	3	V	0.03	0	2.42	147
180970073	2011	10	13	4	V	0.04	0	2.13	113
180970073	2011	10	13	5	V	0.03	0	2.52	112
180970073	2011	10	13	6	V	0.05	0	2.22	113
180970073	2011	10	13	7	V	0.2	0	2.5	117
180970073	2011	10	13	8	V	0.3	0	2.4	119
180970073	2011	10	13	9	V	0.4	0	2.47	132
180970073	2011	10	13	10	V	0.2	0	2.88	95
180970073	2011	10	13	11	V	0.1	0	3.18	97
180970073	2011	10	13	12	V	0.2	0	2.42	109
180970073	2011	10	13	13	V	0.2	0	2.37	195
180970073	2011	10	13	14	V	0.03	0	4.92	182
180970073	2011	10	13	15	V	0.05	0	3.73	215
180970073	2011	10	13	16	V	15.2	8	3.42	237
180970073	2011	10	13	17	V	6.5	11.2	4.39	255
180970073	2011	10	13	18	V	3.6	0.1	4.51	258
180970073	2011	10	13	19	V	8.5	0	3.98	239
180970073	2011	10	13	20	V	4.6	0	6.65	256
180970073	2011	10	13	21	V	0.03	0	6.94	297
180970073	2011	10	13	22	V	0.04	0	5.31	281

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	13	23	V	3.1	0	4.32	258
180970073	2011	10	13	24	V	1.2	0	6.21	261
180970073	2011	10	14	1	V	0.02	0	7.37	278
180970073	2011	10	14	2	V	0.02	0	6.14	273
180970073	2011	10	14	3	V	0.03	0	6.77	272
180970073	2011	10	14	4	V	0.02	0	6.65	274
180970073	2011	10	14	5	V	0.7	0	5.44	262
180970073	2011	10	14	6	V	4.9	0	5.33	256
180970073	2011	10	14	7	V	2.6	0	5.6	254
180970073	2011	10	14	8	V	2.4	0	5.79	254
180970073	2011	10	14	9	V	2.1	0	6.31	253
180970073	2011	10	14	10	V	2.1	0.5	6.31	253
180970073	2011	10	14	11	V	1.9	0.4	7.04	249
180970073	2011	10	14	12	V	0.3	0	8.56	261
180970073	2011	10	14	13	V	0.01	0	9.92	269
180970073	2011	10	14	14	V	0.01	0	9.24	273
180970073	2011	10	14	15	V	0.01	0	9.87	270
180970073	2011	10	14	16	V	0.2	0	9.37	267
180970073	2011	10	14	17	V	0.05	0	9.17	271
180970073	2011	10	14	18	V	0.09	0	9.75	269
180970073	2011	10	14	19	V	0.1	0	8.13	268
180970073	2011	10	14	20	V	0.05	0	6.63	270
180970073	2011	10	14	21	V	0.04	0	6.18	270
180970073	2011	10	14	22	V	0.1	0	6.26	267
180970073	2011	10	14	23	V	0.05	0	6.72	269
180970073	2011	10	14	24	V	0.6	0	6.58	263
180970073	2011	10	15	1	V	0.9	0	7.35	262
180970073	2011	10	15	2	V	2.2	0	7.4	259
180970073	2011	10	15	3	V	1.3	0	7.46	261
180970073	2011	10	15	4	V	6.0	0	5.96	254
180970073	2011	10	15	5	V	3.8	0	5.96	241
180970073	2011	10	15	6	V	4.7	0.2	7.46	247
180970073	2011	10	15	7	V	1.8	0.5	6.46	255
180970073	2011	10	15	8	V	1.4	0.2	7.96	251
180970073	2011	10	15	9	V	0.7	0.1	10.06	258
180970073	2011	10	15	10	V	0.3	0	10.06	261
180970073	2011	10	15	11	V	0.09	0	9.06	265
180970073	2011	10	15	12	V	0.02	0	9.81	268
180970073	2011	10	15	13	V	0.1	0	10.24	264
180970073	2011	10	15	14	V	0.06	0	10.61	265
180970073	2011	10	15	15	V	0.2	0	10.53	262
180970073	2011	10	15	16	V	0.1	0	10.8	269
180970073	2011	10	15	17	V	1.4	0	9.24	261
180970073	2011	10	15	18	V	0.7	0	7.98	263
180970073	2011	10	15	19	V	7.1	0	5.67	252
180970073	2011	10	15	20	V	2.6	0	4.8	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	15	21	V	15.6	0	4.36	229
180970073	2011	10	15	22	V	16.5	17.3	4.76	230
180970073	2011	10	15	23	V	3.9	18.9	4.83	238
180970073	2011	10	15	24	V	2.1	6.2	4.22	236
180970073	2011	10	16	1	V	2.0	2.5	4.56	232
180970073	2011	10	16	2	V	1.6	1	4.49	229
180970073	2011	10	16	3	V	0.1	0.7	4.56	222
180970073	2011	10	16	4	V	0.01	0.4	4.32	211
180970073	2011	10	16	5	V	0.01	1	4.76	197
180970073	2011	10	16	6	V	0.01	1.4	3.75	188
180970073	2011	10	16	7	V	0.03	1.4	4	189
180970073	2011	10	16	8	V	0.02	0.7	4.97	205
180970073	2011	10	16	9	V	0.4	0.9	7.94	227
180970073	2011	10	16	10	V	0.5	2	8.27	229
180970073	2011	10	16	11	V	0.3	1.1	9.56	239
180970073	2011	10	16	12	V	0.3	1.1	9.92	238
180970073	2011	10	16	13	V	0.8	0.9	9.66	245
180970073	2011	10	16	14	V	1.3	1.1	10.09	248
180970073	2011	10	16	15	V	1.7	1.7	9.24	254
180970073	2011	10	16	16	V	0.2	3	8.5	267
180970073	2011	10	16	17	V	0.01	0.4	8.78	294
180970073	2011	10	16	18	V	0.01	0.1	7.88	310
180970073	2011	10	16	19	V	0.01	0	5.34	300
180970073	2011	10	16	20	V	0.01	0	4.27	292
180970073	2011	10	16	21	V	0.01	0	5.43	301
180970073	2011	10	16	22	V	0.01	0	4.58	298
180970073	2011	10	16	23	V	0.01	0	3.91	292
180970073	2011	10	16	24	V	0.01	0	3.34	274
180970073	2011	10	17	1	V	5.7	0	3.69	247
180970073	2011	10	17	2	V	7.3	0	3.68	248
180970073	2011	10	17	3	V	1.6	0	3.58	244
180970073	2011	10	17	4	V	0.3	0	3.85	239
180970073	2011	10	17	5	V	2.7	0	3.76	245
180970073	2011	10	17	6	V	0.7	0	3.92	241
180970073	2011	10	17	7	V	5.6	0	3.8	249
180970073	2011	10	17	8	V	6.7	0.5	3.47	252
180970073	2011	10	17	9	V	3.1	0.2	4.29	258
180970073	2011	10	17	10	V	2.5	0.1	4.2	242
180970073	2011	10	17	11	V	4.7	0	4.49	249
180970073	2011	10	17	12	V	3.0	0	4.75	256
180970073	2011	10	17	13	V	2.7	0	6.04	250
180970073	2011	10	17	14	V	1.4	0.2	6.7	257
180970073	2011	10	17	15	V	0.01	0	5.22	271
180970073	2011	10	17	16	V	0.03	0	4.94	271
180970073	2011	10	17	17	V	0.01	0	4.15	277
180970073	2011	10	17	18	V	0.7	0	3.9	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	17	19	V	6.5	0.1	4.61	248
180970073	2011	10	17	20	V	7.1	0.6	4.37	254
180970073	2011	10	17	21	V	2.8	0	4.2	259
180970073	2011	10	17	22	V	0.05	0	4.34	269
180970073	2011	10	17	23	V	0.01	-999	3.2	293
180970073	2011	10	17	24	V	0.01	0	3.88	306
180970073	2011	10	18	1	V	0.01	0	4.66	321
180970073	2011	10	18	2	V	0.01	0	4.2	315
180970073	2011	10	18	3	V	0.01	0	3.1	334
180970073	2011	10	18	4	V	0.05	0	1.35	328
180970073	2011	10	18	5	V	0.9	0	2.54	238
180970073	2011	10	18	6	V	0.5	0	2.93	263
180970073	2011	10	18	7	V	0.08	0	2.71	274
180970073	2011	10	18	8	V	0.1	0	2.16	326
180970073	2011	10	18	9	V	0.06	0	3.01	351
180970073	2011	10	18	10	V	0.06	0	3.08	340
180970073	2011	10	18	11	V	0.05	0	3.42	1
180970073	2011	10	18	12	V	0.09	0	2.66	26
180970073	2011	10	18	13	V	0.05	0	3.3	12
180970073	2011	10	18	14	V	0.03	0	3.85	357
180970073	2011	10	18	15	V	0.03	0	3.44	356
180970073	2011	10	18	16	V	0.01	0	3.85	339
180970073	2011	10	18	17	V	0.01	0	4.63	359
180970073	2011	10	18	18	V	0.01	0	5.73	4
180970073	2011	10	18	19	V	0.01	0	5.96	2
180970073	2011	10	18	20	V	0.01	0	5.97	7
180970073	2011	10	18	21	V	0.01	0	4.44	8
180970073	2011	10	18	22	V	0.01	0	4.99	9
180970073	2011	10	18	23	V	0.01	0	5.27	11
180970073	2011	10	18	24	V	0.01	0	5.51	6
180970073	2011	10	19	1	V	0.01	0	4.61	346
180970073	2011	10	19	2	V	0.01	0	6.31	12
180970073	2011	10	19	3	V	0.01	0	6.01	1
180970073	2011	10	19	4	V	0.01	0	6.28	1
180970073	2011	10	19	5	V	0.01	0	6.26	358
180970073	2011	10	19	6	V	0.01	0	6.33	3
180970073	2011	10	19	7	V	0.005	0	6.18	357
180970073	2011	10	19	8	V	0.01	0	6.26	358
180970073	2011	10	19	9	V	0.01	0	6.16	353
180970073	2011	10	19	10	V	0.004	0	6.65	353
180970073	2011	10	19	11	V	0.004	0	6.65	354
180970073	2011	10	19	12	V	0.003	0	7.09	356
180970073	2011	10	19	13	V	0.003	0	7.55	352
180970073	2011	10	19	14	V	0.003	0	7.48	349
180970073	2011	10	19	15	V	0.002	0	7.64	340
180970073	2011	10	19	16	V	0.01	0	7.67	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	19	17	V	0.01	0	7.3	327
180970073	2011	10	19	18	V	0.01	0	7.01	315
180970073	2011	10	19	19	V	0.01	0	6.26	309
180970073	2011	10	19	20	V	0.01	0	6.07	302
180970073	2011	10	19	21	V	0.01	0	6.7	303
180970073	2011	10	19	22	V	0.01	0	7.04	308
180970073	2011	10	19	23	V	0.01	0	7.89	312
180970073	2011	10	19	24	V	0.01	0	7.81	314
180970073	2011	10	20	1	V	0.01	0	8.15	315
180970073	2011	10	20	2	V	0.01	0	7.79	309
180970073	2011	10	20	3	V	0.01	0	8.91	305
180970073	2011	10	20	4	V	0.01	0	9.58	304
180970073	2011	10	20	5	V	0.02	0	8.79	292
180970073	2011	10	20	6	V	0.02	0	10.34	287
180970073	2011	10	20	7	V	0.003	0	11.58	284
180970073	2011	10	20	8	V	0.003	0	11.77	284
180970073	2011	10	20	9	V	0.003	0	11.48	281
180970073	2011	10	20	10	V	0.003	0	11.48	279
180970073	2011	10	20	11	V	0.003	0	11.02	278
180970073	2011	10	20	12	V	0.004	0	10.39	274
180970073	2011	10	20	13	V	0.004	0	10.39	273
180970073	2011	10	20	14	V	0.004	0	9.88	272
180970073	2011	10	20	15	V	0.01	0	9.27	267
180970073	2011	10	20	16	V	0.3	0	8.86	266
180970073	2011	10	20	17	V	0.4	0	8.52	265
180970073	2011	10	20	18	V	3.2	0	7.2	258
180970073	2011	10	20	19	V	4.9	0	7.88	255
180970073	2011	10	20	20	V	3.8	0	6.92	257
180970073	2011	10	20	21	V	6.2	0	6.18	253
180970073	2011	10	20	22	V	6.0	0	5.75	254
180970073	2011	10	20	23	V	7.0	0	5.38	252
180970073	2011	10	20	24	V	5.6	0	4.83	247
180970073	2011	10	21	1	V	2.4	0.4	4.27	243
180970073	2011	10	21	2	V	4.9	2.6	4.29	246
180970073	2011	10	21	3	V	3.2	2.1	3.86	244
180970073	2011	10	21	4	V	7.1	2.1	3.56	248
180970073	2011	10	21	5	V	3.7	1.7	4.12	238
180970073	2011	10	21	6	V	1.0	2.6	3.35	241
180970073	2011	10	21	7	V	11.2	3.1	2.91	228
180970073	2011	10	21	8	V	12.0	11.6	3.12	239
180970073	2011	10	21	9	V	4.7	8.4	3.83	256
180970073	2011	10	21	10	V	1.9	1.7	3.18	264
180970073	2011	10	21	11	V	0.1	1	3.78	276
180970073	2011	10	21	12	V	0.03	0.3	5.77	285
180970073	2011	10	21	13	V	0.02	0.4	5.77	293
180970073	2011	10	21	14	V	0.02	0.3	5.55	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	21	15	V	0.02	0.1	4.87	288
180970073	2011	10	21	16	V	0.02	0	4.8	278
180970073	2011	10	21	17	V	0.02	0	4.46	276
180970073	2011	10	21	18	V	0.1	0	3.54	265
180970073	2011	10	21	19	V	0.03	0.4	2.62	268
180970073	2011	10	21	20	V	0.08	0.4	2.1	266
180970073	2011	10	21	21	V	10.6	0.4	1.99	253
180970073	2011	10	21	22	V	0.3	0.3	1.7	265
180970073	2011	10	21	23	V	2.8	0.2	1.88	242
180970073	2011	10	21	24	V	8.5	0.3	1.99	248
180970073	2011	10	22	1	V	12.8	0.1	1.47	231
180970073	2011	10	22	2	V	2.0	0.2	1.98	242
180970073	2011	10	22	3	V	0.2	0.2	1.57	217
180970073	2011	10	22	4	V	1.3	0.2	1.6	222
180970073	2011	10	22	5	V	4.5	0.3	1.59	225
180970073	2011	10	22	6	V	0.4	0.3	1.76	220
180970073	2011	10	22	7	V	3.1	0.4	1.62	216
180970073	2011	10	22	8	V	1.8	0.4	1.54	210
180970073	2011	10	22	9	V	4.0	0.8	1.45	213
180970073	2011	10	22	10	V	7.4	8.2	2.23	222
180970073	2011	10	22	11	V	5.4	40.5	2.61	221
180970073	2011	10	22	12	V	10.4	25.4	3.46	234
180970073	2011	10	22	13	V	3.2	8.8	4	248
180970073	2011	10	22	14	V	5.6	0.6	3.81	234
180970073	2011	10	22	15	V	4.9	1.4	3.49	237
180970073	2011	10	22	16	V	12.6	2.3	3.1	230
180970073	2011	10	22	17	V	0.9	4.9	2.76	241
180970073	2011	10	22	18	V	0.04	3.3	2.35	213
180970073	2011	10	22	19	V	0.03	2.7	2.74	176
180970073	2011	10	22	20	V	0.02	1.5	3.15	181
180970073	2011	10	22	21	V	0.04	0.7	2.35	185
180970073	2011	10	22	22	V	0.03	0.7	2.79	162
180970073	2011	10	22	23	V	0.01	0.8	3.18	165
180970073	2011	10	22	24	V	0.01	0.5	2.59	159
180970073	2011	10	23	1	V	0.01	0.7	2.83	163
180970073	2011	10	23	2	V	0.02	0.6	2.47	192
180970073	2011	10	23	3	V	0.03	0.3	1.86	176
180970073	2011	10	23	4	V	0.07	0.1	1.3	169
180970073	2011	10	23	5	V	0.02	0.4	2.16	139
180970073	2011	10	23	6	V	0.01	0.7	2.4	136
180970073	2011	10	23	7	V	0.03	1.4	2.4	135
180970073	2011	10	23	8	V	0.08	1.6	2.13	156
180970073	2011	10	23	9	V	0.07	1.8	2.57	169
180970073	2011	10	23	10	V	0.07	2.9	3.83	209
180970073	2011	10	23	11	V	1.4	3.3	4.71	227
180970073	2011	10	23	12	V	1.3	2.5	4.78	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	23	13	V	2.6	2	3.81	236
180970073	2011	10	23	14	V	2.5	1.4	4.31	233
180970073	2011	10	23	15	V	1.3	1	5.27	229
180970073	2011	10	23	16	V	2.2	0.6	3.3	233
180970073	2011	10	23	17	V	9.5	0.4	3.56	252
180970073	2011	10	23	18	V	0.01	0.4	3.1	188
180970073	2011	10	23	19	V	0.01	0.3	2.57	183
180970073	2011	10	23	20	V	0.01	0.5	3.59	194
180970073	2011	10	23	21	V	0.01	0.7	3.78	197
180970073	2011	10	23	22	V	0.01	0.8	4.78	200
180970073	2011	10	23	23	V	0.01	1.7	4.63	206
180970073	2011	10	23	24	V	0.01	2.6	4.65	210
180970073	2011	10	24	1	V	0.01	3.5	4.73	215
180970073	2011	10	24	2	V	0.01	3.4	5.11	215
180970073	2011	10	24	3	V	0.01	4	5.22	214
180970073	2011	10	24	4	V	0.03	4.2	6.67	220
180970073	2011	10	24	5	V	6.7	3.1	5.77	252
180970073	2011	10	24	6	V	0.03	0.4	4.73	219
180970073	2011	10	24	7	V	0.2	0.3	4.7	220
180970073	2011	10	24	8	V	1.4	1	5.41	235
180970073	2011	10	24	9	V	2.3	3.3	5.5	256
180970073	2011	10	24	10	V	0.01	1	5.72	286
180970073	2011	10	24	11	V	0.01	0.2	6.23	295
180970073	2011	10	24	12	V	0.01	0	6.33	309
180970073	2011	10	24	13	V	0.01	0	6.18	309
180970073	2011	10	24	14	V	0.01	0	5.85	311
180970073	2011	10	24	15	V	0.01	0	6.16	320
180970073	2011	10	24	16	V	0.01	0	5.6	313
180970073	2011	10	24	17	V	0.01	0.3	4.53	311
180970073	2011	10	24	18	V	0.01	0.8	3.27	312
180970073	2011	10	24	19	V	0.04	0.6	1.64	297
180970073	2011	10	24	20	V	5.7	0	1.25	258
180970073	2011	10	24	21	V	0.1	0	1.18	199
180970073	2011	10	24	22	V	0.07	0	1.42	205
180970073	2011	10	24	23	V	0.07	-999	1.42	212
180970073	2011	10	24	24	V	1.2	0.5	1.35	223
180970073	2011	10	25	1	V	0.05	0.5	1.48	181
180970073	2011	10	25	2	V	0.04	0.4	1.67	187
180970073	2011	10	25	3	V	0.04	0.1	1.76	216
180970073	2011	10	25	4	V	0.03	0	1.77	180
180970073	2011	10	25	5	V	0.01	0	2.59	141
180970073	2011	10	25	6	V	0.01	0	2.74	149
180970073	2011	10	25	7	V	0.03	0	3.63	146
180970073	2011	10	25	8	V	0.1	0.1	2.64	145
180970073	2011	10	25	9	V	0.05	1.3	3.63	154
180970073	2011	10	25	10	V	0.02	3.3	4.51	169

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	25	11	V	0.01	4.9	5.84	171
180970073	2011	10	25	12	V	0.005	5.8	6.91	180
180970073	2011	10	25	13	V	0.003	5.5	8.11	190
180970073	2011	10	25	14	V	0.003	4	7.91	186
180970073	2011	10	25	15	V	0.003	2.3	7.72	181
180970073	2011	10	25	16	V	0.01	3.6	7.28	192
180970073	2011	10	25	17	V	0.01	2	8.69	201
180970073	2011	10	25	18	V	0.01	1.2	6.48	191
180970073	2011	10	25	19	V	0.01	1.2	7.25	177
180970073	2011	10	25	20	V	0.01	2.6	6.14	187
180970073	2011	10	25	21	V	0.01	0.9	6.84	187
180970073	2011	10	25	22	V	0.01	1.4	7.25	201
180970073	2011	10	25	23	V	0.01	2.1	6.8	201
180970073	2011	10	25	24	V	0.01	1.8	6.14	202
180970073	2011	10	26	1	V	0.01	1.7	7.21	208
180970073	2011	10	26	2	V	0.1	1.8	10.24	222
180970073	2011	10	26	3	V	0.03	2.3	8.35	218
180970073	2011	10	26	4	V	0.3	3.7	7.72	225
180970073	2011	10	26	5	V	0.5	4.4	7.35	226
180970073	2011	10	26	6	V	0.8	6	7.11	227
180970073	2011	10	26	7	V	0.7	6.1	6.7	228
180970073	2011	10	26	8	V	1.7	4.9	5.21	231
180970073	2011	10	26	9	V	1.4	5	5.75	233
180970073	2011	10	26	10	V	0.9	1.9	6.82	234
180970073	2011	10	26	11	V	0.7	1.6	7.5	235
180970073	2011	10	26	12	V	0.6	1.4	7.54	236
180970073	2011	10	26	13	V	0.5	1.2	7.28	241
180970073	2011	10	26	14	V	2.6	1.6	6.6	251
180970073	2011	10	26	15	V	0.003	1.9	7.11	285
180970073	2011	10	26	16	V	0.01	1	6.53	315
180970073	2011	10	26	17	V	0.01	0.4	5.68	319
180970073	2011	10	26	18	V	0.01	1.1	4.88	318
180970073	2011	10	26	19	V	0.01	1	6.41	320
180970073	2011	10	26	20	V	0.01	0	5.48	322
180970073	2011	10	26	21	V	0.01	0	3.93	316
180970073	2011	10	26	22	V	0.01	0	4.71	332
180970073	2011	10	26	23	V	0.01	0	4.27	334
180970073	2011	10	26	24	V	0.01	0	5.24	333
180970073	2011	10	27	1	V	0.01	0	4.6	335
180970073	2011	10	27	2	V	0.01	0	3.93	339
180970073	2011	10	27	3	V	0.02	0	4.12	352
180970073	2011	10	27	4	V	0.02	0	4.19	344
180970073	2011	10	27	5	V	0.02	0	4.71	352
180970073	2011	10	27	6	V	0.02	0	4.75	357
180970073	2011	10	27	7	V	0.03	0	4.71	356
180970073	2011	10	27	8	V	0.04	0	4.12	355

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	27	9	V	0.03	0	4.77	344
180970073	2011	10	27	10	V	0.06	0	4.17	359
180970073	2011	10	27	11	V	0.01	0	6.33	354
180970073	2011	10	27	12	V	0.02	0	5.53	357
180970073	2011	10	27	13	V	0.01	0	6.28	341
180970073	2011	10	27	14	V	0.01	0	6.89	337
180970073	2011	10	27	15	V	0.03	0	6.21	336
180970073	2011	10	27	16	V	0.02	0	4.87	347
180970073	2011	10	27	17	V	0.02	0	3.95	347
180970073	2011	10	27	18	V	0.02	0	4.51	335
180970073	2011	10	27	19	V	0.02	0	4.75	357
180970073	2011	10	27	20	V	0.06	0	1.7	67
180970073	2011	10	27	21	V	0.1	0	1.18	158
180970073	2011	10	27	22	V	0.06	0	1.85	193
180970073	2011	10	27	23	V	0.07	0	1.76	293
180970073	2011	10	27	24	V	0.02	0	3.36	330
180970073	2011	10	28	1	V	0.02	0	2.69	332
180970073	2011	10	28	2	V	0.05	0	1.89	326
180970073	2011	10	28	3	V	0.09	0	1.48	7
180970073	2011	10	28	4	V	0.05	0	1.74	358
180970073	2011	10	28	5	V	0.05	0	1.81	13
180970073	2011	10	28	6	V	0.02	0	2.52	25
180970073	2011	10	28	7	V	0.09	0	2.95	36
180970073	2011	10	28	8	V	0.2	0	2.39	45
180970073	2011	10	28	9	V	0.4	0.1	1.93	42
180970073	2011	10	28	10	V	0.3	0.6	2.25	49
180970073	2011	10	28	11	V	0.2	0	2.32	84
180970073	2011	10	28	12	V	0.1	0	2.54	86
180970073	2011	10	28	13	V	0.2	0	2.1	48
180970073	2011	10	28	14	V	0.1	0	2.2	19
180970073	2011	10	28	15	V	0.08	0	1.4	88
180970073	2011	10	28	16	V	0.08	0	1.65	21
180970073	2011	10	28	17	V	0.08	0	1.64	52
180970073	2011	10	28	18	V	0.1	0	1.54	42
180970073	2011	10	28	19	V	0.1	0.1	1.42	42
180970073	2011	10	28	20	V	0.1	0.1	1.45	93
180970073	2011	10	28	21	V	0.05	0.2	2.01	152
180970073	2011	10	28	22	V	0.02	0	3.18	185
180970073	2011	10	28	23	V	0.02	0	3.07	190
180970073	2011	10	28	24	V	0.02	0	3.44	190
180970073	2011	10	29	1	V	0.03	0	2.2	202
180970073	2011	10	29	2	V	0.04	0	1.99	195
180970073	2011	10	29	3	V	0.05	0	1.87	206
180970073	2011	10	29	4	V	0.5	0	2.32	223
180970073	2011	10	29	5	V	0.5	0	2.04	222
180970073	2011	10	29	6	V	7.2	0.3	1.79	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	29	7	V	0.2	0.6	2.28	198
180970073	2011	10	29	8	V	1.5	0.9	2.08	212
180970073	2011	10	29	9	V	6.6	3.8	2.95	223
180970073	2011	10	29	10	V	4.9	6	3.57	251
180970073	2011	10	29	11	V	2.5	1.6	3.58	254
180970073	2011	10	29	12	V	1.1	0.9	4.8	259
180970073	2011	10	29	13	V	0.01	0	5.62	280
180970073	2011	10	29	14	V	0.01	0	6.38	280
180970073	2011	10	29	15	V	0.01	0	6.41	269
180970073	2011	10	29	16	V	0.03	0.5	7.57	272
180970073	2011	10	29	17	V	0.01	0.1	6.81	284
180970073	2011	10	29	18	V	0.02	0	5.27	285
180970073	2011	10	29	19	V	0.02	0.2	4.08	279
180970073	2011	10	29	20	V	0.03	0.3	2.84	284
180970073	2011	10	29	21	V	0.02	0.3	2.89	290
180970073	2011	10	29	22	V	0.04	0.2	2.05	293
180970073	2011	10	29	23	V	0.05	0	1.54	275
180970073	2011	10	29	24	V	9.0	0.2	1.64	253
180970073	2011	10	30	1	V	0.06	0	1.4	208
180970073	2011	10	30	2	V	2.7	0.1	0.94	233
180970073	2011	10	30	3	V	0.08	0	1.3	117
180970073	2011	10	30	4	V	2.4	0.3	1.67	234
180970073	2011	10	30	5	V	2.4	0.4	1.87	230
180970073	2011	10	30	6	V	0.06	0.2	1.38	157
180970073	2011	10	30	7	V	0.1	0.2	1.65	130
180970073	2011	10	30	8	V	0.2	0.1	1.86	137
180970073	2011	10	30	9	V	0.2	0.3	1.86	153
180970073	2011	10	30	10	V	0.04	0.3	3.46	170
180970073	2011	10	30	11	V	0.01	0.2	4.99	164
180970073	2011	10	30	12	V	0.01	0.2	5.73	171
180970073	2011	10	30	13	V	0.01	1.3	6.77	182
180970073	2011	10	30	14	V	0.004	3.9	7.5	185
180970073	2011	10	30	15	V	0.003	2.3	7.57	184
180970073	2011	10	30	16	V	0.01	1.8	7.01	175
180970073	2011	10	30	17	V	0.01	3.5	6.18	175
180970073	2011	10	30	18	V	0.01	3.8	4.82	180
180970073	2011	10	30	19	V	0.01	0.5	3.25	181
180970073	2011	10	30	20	V	0.01	0.7	3.69	162
180970073	2011	10	30	21	V	0.01	2	4.19	164
180970073	2011	10	30	22	V	0.01	1.9	4.59	160
180970073	2011	10	30	23	V	0.01	1.2	4.58	147
180970073	2011	10	30	24	V	0.02	1.5	4.37	154
180970073	2011	10	31	1	V	0.02	1.5	4.24	151
180970073	2011	10	31	2	V	0.02	1.4	3.08	182
180970073	2011	10	31	3	V	0.02	1.2	3.22	213
180970073	2011	10	31	4	V	0.02	0.7	4.71	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	10	31	5	V	0.02	0.2	3.18	202
180970073	2011	10	31	6	V	0.02	0.2	4.32	200
180970073	2011	10	31	7	V	0.1	0.1	3.18	207
180970073	2011	10	31	8	V	0.2	0.1	2.5	198
180970073	2011	10	31	9	V	0.4	1.7	2.3	190
180970073	2011	10	31	10	V	13.8	3.8	2.54	234
180970073	2011	10	31	11	V	12.7	3	2.61	240
180970073	2011	10	31	12	V	8.0	1	3.27	239
180970073	2011	10	31	13	V	5.8	6.2	3.71	235
180970073	2011	10	31	14	V	1.0	4.3	3.64	261
180970073	2011	10	31	15	V	2.0	4	4	247
180970073	2011	10	31	16	V	9.4	1.4	3.8	251
180970073	2011	10	31	17	V	8.6	2.8	3.86	249
180970073	2011	10	31	18	V	9.7	1.1	4	252
180970073	2011	10	31	19	V	9.9	3.1	3.57	253
180970073	2011	10	31	20	V	1.3	2	3.13	244
180970073	2011	10	31	21	V	0.9	1.2	2.27	261
180970073	2011	10	31	22	V	0.5	0.6	2.37	262
180970073	2011	10	31	23	V	2.5	-999	2.72	245
180970073	2011	10	31	24	V	0.6	0.4	1.55	264
180970073	2011	11	1	1	V	10.3	0.3	2.35	254
180970073	2011	11	1	2	V	3.3	0.3	1.72	241
180970073	2011	11	1	3	V	0.4	0.3	1.69	220
180970073	2011	11	1	4	V	12.0	0.4	2.35	253
180970073	2011	11	1	5	V	11.1	0.3	1.08	238
180970073	2011	11	1	6	V	0.1	0.4	1.47	208
180970073	2011	11	1	7	V	0.5	0.6	1.48	126
180970073	2011	11	1	8	V	0.6	0.8	1.77	147
180970073	2011	11	1	9	V	0.4	0.7	2.18	151
180970073	2011	11	1	10	V	0.1	1.3	4	173
180970073	2011	11	1	11	V	0.1	1.1	4.24	165
180970073	2011	11	1	12	V	0.09	1.7	4.54	178
180970073	2011	11	1	13	V	0.1	1.9	4.48	194
180970073	2011	11	1	14	V	0.1	2.6	4.31	203
180970073	2011	11	1	15	V	0.03	2.2	5.38	186
180970073	2011	11	1	16	V	0.03	1.8	6.4	199
180970073	2011	11	1	17	V	0.03	2	5.84	195
180970073	2011	11	1	18	V	0.03	2	4.05	188
180970073	2011	11	1	19	V	0.03	1.6	3.78	168
180970073	2011	11	1	20	V	0.03	1.4	4.71	172
180970073	2011	11	1	21	V	0.03	1.5	4.31	165
180970073	2011	11	1	22	V	0.02	1.7	4.56	162
180970073	2011	11	1	23	V	0.02	1.6	4.61	163
180970073	2011	11	1	24	V	0.02	1.7	4.75	169
180970073	2011	11	2	1	V	0.02	2.3	4.29	162
180970073	2011	11	2	2	V	0.02	3.6	3.05	151

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	2	3	V	0.02	3.3	3	153
180970073	2011	11	2	4	V	0.02	2.6	4.15	152
180970073	2011	11	2	5	V	0.02	2.7	4.09	157
180970073	2011	11	2	6	V	0.02	3.3	2.61	174
180970073	2011	11	2	7	V	0.1	2.5	2.91	161
180970073	2011	11	2	8	V	0.08	2.9	3.66	152
180970073	2011	11	2	9	V	0.05	3	4.39	163
180970073	2011	11	2	10	V	0.04	2.9	4.7	171
180970073	2011	11	2	11	V	0.03	2.8	5.43	189
180970073	2011	11	2	12	V	0.02	3	6.18	198
180970073	2011	11	2	13	V	0.01	2.7	7.47	192
180970073	2011	11	2	14	V	0.01	2.3	7.14	190
180970073	2011	11	2	15	V	0.01	2	7.28	188
180970073	2011	11	2	16	V	0.02	1.8	7.67	191
180970073	2011	11	2	17	V	0.02	1.9	6.28	186
180970073	2011	11	2	18	V	0.02	2.3	4.51	189
180970073	2011	11	2	19	V	0.02	2.2	4.34	177
180970073	2011	11	2	20	V	0.02	1.6	3.47	176
180970073	2011	11	2	21	V	0.03	1	3.54	161
180970073	2011	11	2	22	V	0.02	0.8	4.9	158
180970073	2011	11	2	23	V	0.02	0.8	5.17	164
180970073	2011	11	2	24	V	0.02	0.8	4.6	162
180970073	2011	11	3	1	V	0.02	1.2	4.61	157
180970073	2011	11	3	2	V	0.02	2	3.56	142
180970073	2011	11	3	3	V	0.02	1.8	3.44	132
180970073	2011	11	3	4	V	0.02	1.4	4.19	134
180970073	2011	11	3	5	V	0.02	1.4	4.15	119
180970073	2011	11	3	6	V	0.02	1.7	3.93	119
180970073	2011	11	3	7	V	0.05	2.6	3.9	107
180970073	2011	11	3	8	V	0.05	3.5	4.1	104
180970073	2011	11	3	9	V	0.06	2.9	4.19	114
180970073	2011	11	3	10	V	0.02	2.5	5.58	117
180970073	2011	11	3	11	V	0.03	0.7	5.02	135
180970073	2011	11	3	12	V	0.02	0.6	5.38	114
180970073	2011	11	3	13	V	0.02	0.4	4.95	108
180970073	2011	11	3	14	V	0.02	0.7	4.53	102
180970073	2011	11	3	15	V	0.04	0.4	4.17	94
180970073	2011	11	3	16	V	0.03	0.3	3.69	72
180970073	2011	11	3	17	V	0.03	0.3	4.03	57
180970073	2011	11	3	18	V	0.03	0.2	4.92	36
180970073	2011	11	3	19	V	0.02	0.4	5.56	35
180970073	2011	11	3	20	V	0.02	0.5	6.87	36
180970073	2011	11	3	21	V	0.02	0.4	6.82	37
180970073	2011	11	3	22	V	0.02	0.3	6.97	34
180970073	2011	11	3	23	V	0.02	0.4	7.76	31
180970073	2011	11	3	24	V	0.02	0.7	8.52	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	4	1	V	0.02	0.6	8.66	37
180970073	2011	11	4	2	V	0.02	0.4	7.79	30
180970073	2011	11	4	3	V	0.02	0.5	8.06	29
180970073	2011	11	4	4	V	0.02	0.6	6.99	33
180970073	2011	11	4	5	V	0.02	0.7	6.82	24
180970073	2011	11	4	6	V	0.02	0.8	6.28	25
180970073	2011	11	4	7	V	0.01	1.1	6.57	29
180970073	2011	11	4	8	V	0.01	1.3	6.86	40
180970073	2011	11	4	9	V	0.04	1.5	4.94	54
180970073	2011	11	4	10	V	0.02	0.9	5.51	58
180970073	2011	11	4	11	V	0.03	0.5	5.26	52
180970073	2011	11	4	12	V	0.04	0.7	4.66	39
180970073	2011	11	4	13	V	0.03	0.7	4.65	28
180970073	2011	11	4	14	V	0.01	0.6	4.9	35
180970073	2011	11	4	15	V	0.005	0.4	5.67	51
180970073	2011	11	4	16	V	0.01	0.3	5.46	43
180970073	2011	11	4	17	V	0.01	0.3	4.58	32
180970073	2011	11	4	18	V	0.01	0.4	4.36	31
180970073	2011	11	4	19	V	0.01	0.4	3.54	41
180970073	2011	11	4	20	V	0.01	0.2	3.47	45
180970073	2011	11	4	21	V	0.01	0.4	4.03	47
180970073	2011	11	4	22	V	0.01	0.6	5.36	61
180970073	2011	11	4	23	V	0.01	0.2	5.6	72
180970073	2011	11	4	24	V	0.01	0.3	4.61	77
180970073	2011	11	5	1	V	0.01	0.2	4.31	84
180970073	2011	11	5	2	V	0.01	0.4	3.61	91
180970073	2011	11	5	3	V	0.01	0.5	3.1	93
180970073	2011	11	5	4	V	0.01	0.9	3.98	100
180970073	2011	11	5	5	V	0.01	0.9	3.73	104
180970073	2011	11	5	6	V	0.01	0.8	3.49	106
180970073	2011	11	5	7	V	0.02	1	3.78	101
180970073	2011	11	5	8	V	0.04	1.2	3.68	102
180970073	2011	11	5	9	V	0.03	2	4.19	116
180970073	2011	11	5	10	V	0.01	7.6	5.39	129
180970073	2011	11	5	11	V	0.02	10.6	4.68	142
180970073	2011	11	5	12	V	0.05	10.7	3.78	141
180970073	2011	11	5	13	V	0.05	7.9	3.35	128
180970073	2011	11	5	14	V	0.03	6.3	3.98	125
180970073	2011	11	5	15	V	0.01	5.4	4.88	129
180970073	2011	11	5	16	V	0.01	4.6	5.27	128
180970073	2011	11	5	17	V	0.01	4.6	5.17	130
180970073	2011	11	5	18	V	0.01	4.3	3.83	126
180970073	2011	11	5	19	V	0.01	3.3	3.01	132
180970073	2011	11	5	20	V	0.01	3.7	3.18	131
180970073	2011	11	5	21	V	0.01	2.7	2.71	128
180970073	2011	11	5	22	V	0.01	2.4	3.15	124

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	5	23	V	0.01	2.3	3.76	127
180970073	2011	11	5	24	V	0.01	2.2	3.35	133
180970073	2011	11	6	1	V	0.01	2	3.88	143
180970073	2011	11	6	2	V	0.01	1.7	4.83	141
180970073	2011	11	6	3	V	0.01	1.7	3.98	138
180970073	2011	11	6	4	V	0.01	1.6	3.49	142
180970073	2011	11	6	5	V	0.01	2.1	4.03	142
180970073	2011	11	6	6	V	0.01	1.7	4.02	142
180970073	2011	11	6	7	V	0.02	1.8	4.05	144
180970073	2011	11	6	8	V	0.03	1.7	4	146
180970073	2011	11	6	9	V	0.05	1.7	3.69	149
180970073	2011	11	6	10	V	0.005	1.6	7.2	178
180970073	2011	11	6	11	V	0.003	1.9	8.37	185
180970073	2011	11	6	12	V	0.003	1.9	7.94	184
180970073	2011	11	6	13	V	0.004	1.7	7.45	181
180970073	2011	11	6	14	V	0.003	1.7	7.26	179
180970073	2011	11	6	15	V	0.003	1.6	7.47	180
180970073	2011	11	6	16	V	0.01	1.3	6.75	178
180970073	2011	11	6	17	V	0.01	0.9	6.5	180
180970073	2011	11	6	18	V	0.01	0.9	6.06	180
180970073	2011	11	6	19	V	0.01	1	5.78	174
180970073	2011	11	6	20	V	0.01	1.2	5.17	172
180970073	2011	11	6	21	V	0.01	1.7	5.29	171
180970073	2011	11	6	22	V	0.01	1.6	6.02	175
180970073	2011	11	6	23	V	0.01	1	7.11	187
180970073	2011	11	6	24	V	0.01	1.3	5.7	196
180970073	2011	11	7	1	V	0.01	1.8	4.6	188
180970073	2011	11	7	2	V	0.01	2.1	4.39	192
180970073	2011	11	7	3	V	0.01	2.1	4.95	195
180970073	2011	11	7	4	V	0.01	1.8	5.68	195
180970073	2011	11	7	5	V	0.01	1.5	4.77	194
180970073	2011	11	7	6	V	0.01	1.7	3.25	182
180970073	2011	11	7	7	V	0.03	1.8	2.52	188
180970073	2011	11	7	8	V	0.08	1.8	2.28	182
180970073	2011	11	7	9	V	0.1	1.6	2.2	173
180970073	2011	11	7	10	V	0.09	2	2.64	172
180970073	2011	11	7	11	V	0.09	1.7	2.62	166
180970073	2011	11	7	12	V	0.05	1.8	3.68	177
180970073	2011	11	7	13	V	5.5	1.6	3.44	245
180970073	2011	11	7	14	V	0.09	1.9	2.38	312
180970073	2011	11	7	15	V	0.1	1.3	0.77	358
180970073	2011	11	7	16	V	4.3	1.1	0.92	235
180970073	2011	11	7	17	V	0.2	1.1	0.99	56
180970073	2011	11	7	18	V	0.06	0.9	1.43	63
180970073	2011	11	7	19	V	0.02	1	2.23	95
180970073	2011	11	7	20	V	0.04	0.9	1.71	91

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	7	21	V	0.01	0.7	2.72	119
180970073	2011	11	7	22	V	0.02	0.7	2.08	141
180970073	2011	11	7	23	V	0.1	-999	1.23	149
180970073	2011	11	7	24	V	0.02	0.6	2.56	113
180970073	2011	11	8	1	V	0.01	0.7	3.44	130
180970073	2011	11	8	2	V	0.01	1	3.25	139
180970073	2011	11	8	3	V	0.01	1.1	3.05	144
180970073	2011	11	8	4	V	0.01	1.1	3.66	136
180970073	2011	11	8	5	V	0.01	1.4	4.34	135
180970073	2011	11	8	6	V	0.01	1.7	4.71	136
180970073	2011	11	8	7	V	0.01	1.8	5.12	133
180970073	2011	11	8	8	V	0.01	1.5	5.04	141
180970073	2011	11	8	9	V	0.01	2	5.33	146
180970073	2011	11	8	10	V	0.01	1.4	5.89	159
180970073	2011	11	8	11	V	0.005	1.4	6.43	169
180970073	2011	11	8	12	V	0.004	1.5	7.09	172
180970073	2011	11	8	13	V	0.003	1.7	8.39	190
180970073	2011	11	8	14	V	0.003	1.7	7.86	193
180970073	2011	11	8	15	V	0.003	1.4	7.74	211
180970073	2011	11	8	16	V	0.01	1	7.2	205
180970073	2011	11	8	17	V	0.01	1.2	5.5	202
180970073	2011	11	8	18	V	0.01	1.6	4	187
180970073	2011	11	8	19	V	0.01	1.8	3.51	182
180970073	2011	11	8	20	V	0.02	0.7	2.64	149
180970073	2011	11	8	21	V	0.01	0.6	3.39	143
180970073	2011	11	8	22	V	0.01	0.9	4.97	147
180970073	2011	11	8	23	V	0.01	1.1	4.6	164
180970073	2011	11	8	24	V	0.01	1.8	4.85	154
180970073	2011	11	9	1	V	0.01	1.6	5.12	153
180970073	2011	11	9	2	V	0.01	1.4	4.78	189
180970073	2011	11	9	3	V	0.01	0.6	2.79	164
180970073	2011	11	9	4	V	0.01	0.8	2.66	135
180970073	2011	11	9	5	V	0.01	1	6.14	141
180970073	2011	11	9	6	V	0.01	0.9	7.55	151
180970073	2011	11	9	7	V	0.01	0.2	7.65	154
180970073	2011	11	9	8	V	0.003	0.3	8.08	152
180970073	2011	11	9	9	V	0.002	0.4	9.32	168
180970073	2011	11	9	10	V	0.003	0.6	8.42	177
180970073	2011	11	9	11	V	0.002	0.7	10.43	205
180970073	2011	11	9	12	V	0.2	0.4	13.3	227
180970073	2011	11	9	13	V	0.3	0.8	13.35	236
180970073	2011	11	9	14	V	0.2	0.8	13.84	241
180970073	2011	11	9	15	V	0.8	0.4	13.18	237
180970073	2011	11	9	16	V	3.5	0.3	13.16	246
180970073	2011	11	9	17	V	4.3	1.7	12.77	255
180970073	2011	11	9	18	V	2.6	1.1	10.87	259

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	9	19	V	0.9	0.4	9.44	263
180970073	2011	11	9	20	V	0.01	0.3	8.49	278
180970073	2011	11	9	21	V	0.01	0.1	8.25	275
180970073	2011	11	9	22	V	0.01	0.2	7.72	283
180970073	2011	11	9	23	V	0.01	0.2	6.02	274
180970073	2011	11	9	24	V	6.2	0.2	4.76	255
180970073	2011	11	10	1	V	0.9	0.9	4.22	242
180970073	2011	11	10	2	V	0.5	1.5	3.98	237
180970073	2011	11	10	3	V	0.1	1	4.2	224
180970073	2011	11	10	4	V	1.3	2.5	4.7	232
180970073	2011	11	10	5	V	1.2	2.1	4.27	230
180970073	2011	11	10	6	V	0.7	1.7	4.17	228
180970073	2011	11	10	7	V	1.2	1.4	4.02	230
180970073	2011	11	10	8	V	1.6	1.3	4.44	236
180970073	2011	11	10	9	V	1.8	6.8	4.61	237
180970073	2011	11	10	10	V	3.3	8.4	5.5	253
180970073	2011	11	10	11	V	0.8	2.2	5.6	261
180970073	2011	11	10	12	V	0.003	0.8	8.49	278
180970073	2011	11	10	13	V	0.002	0.4	9.47	272
180970073	2011	11	10	14	V	0.002	0.3	9.27	279
180970073	2011	11	10	15	V	0.02	0.6	8.61	273
180970073	2011	11	10	16	V	1.2	0.4	7.21	262
180970073	2011	11	10	17	V	0.05	0.5	6.67	270
180970073	2011	11	10	18	V	0.5	0.5	4.51	264
180970073	2011	11	10	19	V	1.6	0.4	5.29	261
180970073	2011	11	10	20	V	0.02	0.2	3.93	272
180970073	2011	11	10	21	V	0.02	0.1	4.85	270
180970073	2011	11	10	22	V	0.2	0.2	4.8	265
180970073	2011	11	10	23	V	0.2	0.3	4.83	265
180970073	2011	11	10	24	V	0.06	0.4	4.71	267
180970073	2011	11	11	1	V	0.01	0.3	4.36	272
180970073	2011	11	11	2	V	0.2	0.2	3.74	264
180970073	2011	11	11	3	V	0.06	0.2	3.73	266
180970073	2011	11	11	4	V	6.9	0.2	3.35	255
180970073	2011	11	11	5	V	1.5	0.2	3.52	244
180970073	2011	11	11	6	V	1.0	0.4	3.71	243
180970073	2011	11	11	7	V	1.7	0.8	3.63	241
180970073	2011	11	11	8	V	3.2	0.6	3.24	240
180970073	2011	11	11	9	V	2.2	2.3	3.34	232
180970073	2011	11	11	10	V	2.0	7.4	3.97	232
180970073	2011	11	11	11	V	1.4	4.1	3.57	233
180970073	2011	11	11	12	V	0.6	3.5	4.12	225
180970073	2011	11	11	13	V	0.1	3.8	4.37	219
180970073	2011	11	11	14	V	0.01	2.8	4.8	201
180970073	2011	11	11	15	V	0.02	1	5.48	191
180970073	2011	11	11	16	V	0.01	0.9	5.21	175

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	11	17	V	0.01	0.8	5.05	164
180970073	2011	11	11	18	V	0.01	0.8	4.07	159
180970073	2011	11	11	19	V	0.01	0.4	4.63	157
180970073	2011	11	11	20	V	0.01	2.1	4.8	163
180970073	2011	11	11	21	V	0.01	2.4	3.91	150
180970073	2011	11	11	22	V	0.01	2.5	4.05	160
180970073	2011	11	11	23	V	0.01	2.8	5.43	187
180970073	2011	11	11	24	V	0.01	1.9	5.72	195
180970073	2011	11	12	1	V	0.01	1.4	5.41	207
180970073	2011	11	12	2	V	0.6	1.9	8.27	233
180970073	2011	11	12	3	V	0.7	1.9	7.45	233
180970073	2011	11	12	4	V	0.1	1.8	6.8	224
180970073	2011	11	12	5	V	0.03	1.8	5.82	221
180970073	2011	11	12	6	V	0.04	1.6	5.65	222
180970073	2011	11	12	7	V	0.02	1.8	4.97	216
180970073	2011	11	12	8	V	0.02	1.9	4.56	209
180970073	2011	11	12	9	V	0.02	1.9	5.26	210
180970073	2011	11	12	10	V	0.01	2.1	5.67	210
180970073	2011	11	12	11	V	0.01	2	5.9	210
180970073	2011	11	12	12	V	0.004	1.8	7.08	209
180970073	2011	11	12	13	V	0.004	1.5	7.45	200
180970073	2011	11	12	14	V	0.003	1.4	8.01	191
180970073	2011	11	12	15	V	0.01	1.1	9.29	191
180970073	2011	11	12	16	V	0.01	1.6	8.95	192
180970073	2011	11	12	17	V	0.01	1.6	7.6	190
180970073	2011	11	12	18	V	0.01	2.2	7.76	187
180970073	2011	11	12	19	V	0.01	4.4	7.4	185
180970073	2011	11	12	20	V	0.01	2.7	8.27	186
180970073	2011	11	12	21	V	0.01	1.9	8.37	185
180970073	2011	11	12	22	V	0.01	1.4	9.42	185
180970073	2011	11	12	23	V	0.01	1	10.15	190
180970073	2011	11	12	24	V	0.01	1.1	10.19	195
180970073	2011	11	13	1	V	0.01	0.9	9.88	190
180970073	2011	11	13	2	V	0.01	1	8.85	190
180970073	2011	11	13	3	V	0.01	1.2	8.73	193
180970073	2011	11	13	4	V	0.01	1.6	10.12	193
180970073	2011	11	13	5	V	0.01	1.7	10.78	197
180970073	2011	11	13	6	V	0.01	1.7	10.9	198
180970073	2011	11	13	7	V	0.002	1.8	10.6	198
180970073	2011	11	13	8	V	0.002	1.7	10.24	191
180970073	2011	11	13	9	V	0.002	1.7	8.96	191
180970073	2011	11	13	10	V	0.002	1.6	9.61	189
180970073	2011	11	13	11	V	0.002	1.4	11.17	190
180970073	2011	11	13	12	V	0.002	1.2	11.63	193
180970073	2011	11	13	13	V	0.002	1.2	11.67	203
180970073	2011	11	13	14	V	0.002	0.9	12.52	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	13	15	V	0.001	0.5	12.89	207
180970073	2011	11	13	16	V	0.01	0.2	12.86	213
180970073	2011	11	13	17	V	0.5	0.2	12.04	226
180970073	2011	11	13	18	V	0.01	0.3	11.29	215
180970073	2011	11	13	19	V	0.01	0.3	9.88	207
180970073	2011	11	13	20	V	0.01	0.3	10.61	211
180970073	2011	11	13	21	V	0.01	0.1	11.24	210
180970073	2011	11	13	22	V	0.3	0	11.72	224
180970073	2011	11	13	23	V	0.4	0	10.32	225
180970073	2011	11	13	24	V	0.6	0	6.41	227
180970073	2011	11	14	1	V	0.1	0	7.74	223
180970073	2011	11	14	2	V	0.01	0	5.09	212
180970073	2011	11	14	3	V	0.01	0	6.86	207
180970073	2011	11	14	4	V	0.02	0	6.75	217
180970073	2011	11	14	5	V	0.01	0	5.56	214
180970073	2011	11	14	6	V	0.01	0	6.47	204
180970073	2011	11	14	7	V	0.01	0	6.6	180
180970073	2011	11	14	8	V	1.0	0	4.32	262
180970073	2011	11	14	9	V	0.4	0	3.22	216
180970073	2011	11	14	10	V	0.005	0	6.91	209
180970073	2011	11	14	11	V	0.004	0	7.47	207
180970073	2011	11	14	12	V	0.002	0	10.61	205
180970073	2011	11	14	13	V	0.002	0	11.89	211
180970073	2011	11	14	14	V	0.002	0	11.63	214
180970073	2011	11	14	15	V	0.01	0	11.24	208
180970073	2011	11	14	16	V	0.01	0	12.02	209
180970073	2011	11	14	17	V	0.02	0	12.02	216
180970073	2011	11	14	18	V	0.05	0	11.28	219
180970073	2011	11	14	19	V	0.03	0	6.41	271
180970073	2011	11	14	20	V	9.3	0	3	253
180970073	2011	11	14	21	V	10.0	0	2.59	249
180970073	2011	11	14	22	V	3.1	0	2.39	258
180970073	2011	11	14	23	V	3.0	-999	2.03	235
180970073	2011	11	14	24	V	0.2	0	2.55	223
180970073	2011	11	15	1	V	0.7	0	2.37	239
180970073	2011	11	15	2	V	0.5	0	3.17	226
180970073	2011	11	15	3	V	0.1	0	3.22	223
180970073	2011	11	15	4	V	1.4	0.9	2.59	234
180970073	2011	11	15	5	V	0.01	1	3.98	210
180970073	2011	11	15	6	V	0.01	0.5	5	216
180970073	2011	11	15	7	V	0.02	0	4.07	212
180970073	2011	11	15	8	V	0.02	0	3.93	200
180970073	2011	11	15	9	V	0.04	0	3.63	191
180970073	2011	11	15	10	V	0.03	0	4.09	187
180970073	2011	11	15	11	V	0.03	0	4.14	185
180970073	2011	11	15	12	V	0.01	0	5.41	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	15	13	V	0.01	0.2	6.07	196
180970073	2011	11	15	14	V	0.01	0.9	5.36	201
180970073	2011	11	15	15	V	0.02	1.2	5.75	197
180970073	2011	11	15	16	V	0.01	0.8	5.61	196
180970073	2011	11	15	17	V	0.01	0.5	4.65	192
180970073	2011	11	15	18	V	0.01	0.1	3.78	175
180970073	2011	11	15	19	V	0.01	0	3.63	166
180970073	2011	11	15	20	V	0.01	0	4.09	173
180970073	2011	11	15	21	V	0.01	0	3.3	165
180970073	2011	11	15	22	V	0.01	0	2.61	172
180970073	2011	11	15	23	V	0.2	0	0.77	183
180970073	2011	11	15	24	V	0.02	0	2.11	162
180970073	2011	11	16	1	V	0.03	0	1.81	205
180970073	2011	11	16	2	V	0.08	0	2.06	221
180970073	2011	11	16	3	V	0.3	0	2.18	263
180970073	2011	11	16	4	V	0.05	0	1.55	301
180970073	2011	11	16	5	V	0.01	0	3.18	302
180970073	2011	11	16	6	V	0.01	0	6.35	333
180970073	2011	11	16	7	V	0.01	0.6	6.41	348
180970073	2011	11	16	8	V	0.01	0.7	4.99	354
180970073	2011	11	16	9	V	0.01	0.4	4.39	346
180970073	2011	11	16	10	V	0.01	0.2	6.19	336
180970073	2011	11	16	11	V	0.003	0.1	8.13	337
180970073	2011	11	16	12	V	0.003	0.4	8.05	338
180970073	2011	11	16	13	V	0.003	0.2	7.65	336
180970073	2011	11	16	14	V	0.003	0.4	7.42	343
180970073	2011	11	16	15	V	0.01	0.7	7.57	331
180970073	2011	11	16	16	V	0.01	0.2	7.45	329
180970073	2011	11	16	17	V	0.01	0.1	7.48	319
180970073	2011	11	16	18	V	0.01	0.2	6.57	321
180970073	2011	11	16	19	V	0.01	0	6.63	324
180970073	2011	11	16	20	V	0.02	0	6.24	323
180970073	2011	11	16	21	V	0.02	0	5.24	327
180970073	2011	11	16	22	V	0.02	0.1	3.29	318
180970073	2011	11	16	23	V	0.02	0.3	3.01	318
180970073	2011	11	16	24	V	0.02	0.3	3	308
180970073	2011	11	17	1	V	0.02	0.6	3.47	309
180970073	2011	11	17	2	V	0.02	0.4	3.13	300
180970073	2011	11	17	3	V	0.02	1	3.69	283
180970073	2011	11	17	4	V	0.02	1	3.52	288
180970073	2011	11	17	5	V	0.03	0	3.06	277
180970073	2011	11	17	6	V	0.1	0	3.17	266
180970073	2011	11	17	7	V	5.4	0.2	3.69	246
180970073	2011	11	17	8	V	5.5	0.8	4.19	249
180970073	2011	11	17	9	V	5.3	0.9	4.27	252
180970073	2011	11	17	10	V	0.2	0.6	5.85	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	17	11	V	0.01	0.2	8.28	285
180970073	2011	11	17	12	V	0.01	0	8.96	282
180970073	2011	11	17	13	V	0.01	0	9.12	281
180970073	2011	11	17	14	V	0.01	0.1	11.14	288
180970073	2011	11	17	15	V	0.03	0.1	11.65	293
180970073	2011	11	17	16	V	0.03	0	10.44	286
180970073	2011	11	17	17	V	0.03	0.1	8.49	280
180970073	2011	11	17	18	V	0.03	0.2	5.36	274
180970073	2011	11	17	19	V	9.9	0.5	4.12	251
180970073	2011	11	17	20	V	24.1	4.5	4	235
180970073	2011	11	17	21	V	0.3	2.3	3.49	223
180970073	2011	11	17	22	V	0.05	8.8	2.76	218
180970073	2011	11	17	23	V	0.03	4.4	2.91	209
180970073	2011	11	17	24	V	0.02	5	3.39	213
180970073	2011	11	18	1	V	0.02	5.5	3.88	211
180970073	2011	11	18	2	V	0.02	1.1	3.59	207
180970073	2011	11	18	3	V	0.02	1.2	3.44	195
180970073	2011	11	18	4	V	0.02	1.2	3.61	190
180970073	2011	11	18	5	V	0.02	0.8	3.73	192
180970073	2011	11	18	6	V	0.03	0.5	3.1	189
180970073	2011	11	18	7	V	0.04	0.7	3.2	177
180970073	2011	11	18	8	V	0.2	1.1	3.39	188
180970073	2011	11	18	9	V	0.03	1.6	5.73	185
180970073	2011	11	18	10	V	0.01	1.8	7.99	181
180970073	2011	11	18	11	V	0.01	2.3	9.05	190
180970073	2011	11	18	12	V	0.01	2.5	9.34	192
180970073	2011	11	18	13	V	0.01	1.3	8.27	184
180970073	2011	11	18	14	V	0.01	-999	8.95	182
180970073	2011	11	18	15	V	0.04	0.7	8.79	188
180970073	2011	11	18	16	V	0.03	0.9	8.91	183
180970073	2011	11	18	17	V	0.03	1.4	7.18	173
180970073	2011	11	18	18	V	0.03	1.8	5.97	168
180970073	2011	11	18	19	V	0.03	2.5	5.26	159
180970073	2011	11	18	20	V	0.03	1.9	5.19	163
180970073	2011	11	18	21	V	0.02	1.6	5.51	171
180970073	2011	11	18	22	V	0.03	1.3	5.43	168
180970073	2011	11	18	23	V	0.03	1.5	5.67	168
180970073	2011	11	18	24	V	0.03	1.8	5.72	174
180970073	2011	11	19	1	V	0.02	1.5	7.13	186
180970073	2011	11	19	2	V	0.02	1.3	7.94	196
180970073	2011	11	19	3	V	0.02	2.1	6.96	193
180970073	2011	11	19	4	V	0.02	2.3	5.8	190
180970073	2011	11	19	5	V	0.03	1.9	6.26	186
180970073	2011	11	19	6	V	0.03	1.3	6.23	177
180970073	2011	11	19	7	V	0.04	1.2	5.94	174
180970073	2011	11	19	8	V	0.02	1.3	6.07	176

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	19	9	V	0.01	1.4	6.86	181
180970073	2011	11	19	10	V	0.01	1.5	7.62	182
180970073	2011	11	19	11	V	0.01	1.5	7.5	177
180970073	2011	11	19	12	V	0.01	1.5	7.43	185
180970073	2011	11	19	13	V	0.01	1.2	5.8	170
180970073	2011	11	19	14	V	0.01	1.6	5.72	174
180970073	2011	11	19	15	V	0.03	1.7	7.91	177
180970073	2011	11	19	16	V	0.03	1.8	8.22	173
180970073	2011	11	19	17	V	0.03	1.3	7.77	172
180970073	2011	11	19	18	V	0.03	1.1	7.54	182
180970073	2011	11	19	19	V	0.03	0.7	7.3	177
180970073	2011	11	19	20	V	0.03	0.6	7.01	188
180970073	2011	11	19	21	V	0.03	0.7	6.79	199
180970073	2011	11	19	22	V	0.03	1	7.23	212
180970073	2011	11	19	23	V	0.02	1.3	10.56	208
180970073	2011	11	19	24	V	0.05	1	10.61	214
180970073	2011	11	20	1	V	1.4	1.3	9.7	222
180970073	2011	11	20	2	V	0.4	1.2	9.12	220
180970073	2011	11	20	3	V	3.7	0.9	8.79	227
180970073	2011	11	20	4	V	7.0	1.5	6.82	235
180970073	2011	11	20	5	V	5.9	3.9	6.82	229
180970073	2011	11	20	6	V	3.3	1.1	6.11	226
180970073	2011	11	20	7	V	6.6	0.7	5.41	229
180970073	2011	11	20	8	V	4.3	1	4.17	240
180970073	2011	11	20	9	V	0.04	3.6	4.48	292
180970073	2011	11	20	10	V	0.05	1	4.19	330
180970073	2011	11	20	11	V	0.06	0.7	3.46	346
180970073	2011	11	20	12	V	0.05	0.4	3.44	11
180970073	2011	11	20	13	V	0.06	0.3	2.59	30
180970073	2011	11	20	14	V	0.02	0.2	3.63	12
180970073	2011	11	20	15	V	0.03	0.2	3.01	359
180970073	2011	11	20	16	V	0.03	0.2	3.52	9
180970073	2011	11	20	17	V	0.02	0.1	4.03	19
180970073	2011	11	20	18	V	0.02	0.1	4.37	16
180970073	2011	11	20	19	V	0.02	0.1	4.54	13
180970073	2011	11	20	20	V	0.02	0.1	4.92	19
180970073	2011	11	20	21	V	0.02	0.1	5.46	34
180970073	2011	11	20	22	V	0.02	0.1	5.41	57
180970073	2011	11	20	23	V	0.03	0.2	3.69	60
180970073	2011	11	20	24	V	0.03	0.3	3.69	57
180970073	2011	11	21	1	V	0.03	0.3	4.54	14
180970073	2011	11	21	2	V	0.03	0.2	4.49	36
180970073	2011	11	21	3	V	0.03	0.4	5.11	55
180970073	2011	11	21	4	V	0.03	0.6	5.41	69
180970073	2011	11	21	5	V	0.03	0.6	4.82	52
180970073	2011	11	21	6	V	0.04	0.2	4.46	63

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	21	7	V	0.05	0.2	4.29	54
180970073	2011	11	21	8	V	0.06	0.3	4.19	52
180970073	2011	11	21	9	V	0.1	0.3	3.97	70
180970073	2011	11	21	10	V	0.06	0.2	4.68	86
180970073	2011	11	21	11	V	0.08	0.2	4.44	76
180970073	2011	11	21	12	V	0.04	0.4	5.14	82
180970073	2011	11	21	13	V	0.03	0.4	4.88	88
180970073	2011	11	21	14	V	0.02	0.5	4.6	78
180970073	2011	11	21	15	V	0.05	0.6	4.37	78
180970073	2011	11	21	16	V	0.04	0.4	4.58	84
180970073	2011	11	21	17	V	0.04	0.3	4.37	70
180970073	2011	11	21	18	V	0.04	0.2	4.85	69
180970073	2011	11	21	19	V	0.04	0.1	5.12	53
180970073	2011	11	21	20	V	0.04	0.1	4.75	59
180970073	2011	11	21	21	V	0.04	0.1	5.07	69
180970073	2011	11	21	22	V	0.04	0	4.37	69
180970073	2011	11	21	23	V	0.04	-999	4.61	69
180970073	2011	11	21	24	V	0.04	0	5.04	67
180970073	2011	11	22	1	V	0.03	0	4.29	64
180970073	2011	11	22	2	V	0.03	0	3.93	61
180970073	2011	11	22	3	V	0.03	0	4.51	61
180970073	2011	11	22	4	V	0.03	0	4.83	70
180970073	2011	11	22	5	V	0.03	0.1	5.34	75
180970073	2011	11	22	6	V	0.03	0.3	3.88	80
180970073	2011	11	22	7	V	0.04	0.4	2.86	92
180970073	2011	11	22	8	V	0.1	0.3	3.23	76
180970073	2011	11	22	9	V	0.02	0.3	5.79	78
180970073	2011	11	22	10	V	0.04	0.3	5.07	89
180970073	2011	11	22	11	V	0.05	0.2	4.87	79
180970073	2011	11	22	12	V	0.02	0.3	5.92	85
180970073	2011	11	22	13	V	0.04	0.4	5.17	88
180970073	2011	11	22	14	V	0.03	0.5	5.22	115
180970073	2011	11	22	15	V	0.05	0.3	4.83	136
180970073	2011	11	22	16	V	0.04	0.2	4.82	185
180970073	2011	11	22	17	V	0.03	0.3	3.95	310
180970073	2011	11	22	18	V	0.03	0.2	4.25	284
180970073	2011	11	22	19	V	0.04	0	5.41	276
180970073	2011	11	22	20	V	0.03	0	7.72	276
180970073	2011	11	22	21	V	0.04	0	6.07	289
180970073	2011	11	22	22	V	0.03	0	6.09	303
180970073	2011	11	22	23	V	0.03	0	6.5	309
180970073	2011	11	22	24	V	0.02	0	7.55	324
180970073	2011	11	23	1	V	0.03	0	6.38	331
180970073	2011	11	23	2	V	0.02	0	5.92	309
180970073	2011	11	23	3	V	0.02	0	6.18	315
180970073	2011	11	23	4	V	0.02	0	5.87	316

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	23	5	V	0.02	0.1	6.13	317
180970073	2011	11	23	6	V	0.03	0.1	5.56	323
180970073	2011	11	23	7	V	0.03	0.3	5.38	320
180970073	2011	11	23	8	V	0.06	0.3	4.32	314
180970073	2011	11	23	9	V	0.1	0.7	3.93	304
180970073	2011	11	23	10	V	0.1	0.6	3.88	311
180970073	2011	11	23	11	V	0.07	1.2	4.07	295
180970073	2011	11	23	12	V	0.08	1.3	3.49	290
180970073	2011	11	23	13	V	0.08	0.8	3.12	289
180970073	2011	11	23	14	V	0.04	0.6	2.98	280
180970073	2011	11	23	15	V	0.05	0.7	2.69	296
180970073	2011	11	23	16	V	0.5	0.7	2.27	262
180970073	2011	11	23	17	V	6.1	1	2.52	256
180970073	2011	11	23	18	V	9.8	4.1	3.32	251
180970073	2011	11	23	19	V	4.4	4.3	3.8	245
180970073	2011	11	23	20	V	13.7	3.7	3.76	229
180970073	2011	11	23	21	V	0.2	1.8	3.71	220
180970073	2011	11	23	22	V	0.03	13.1	3.27	219
180970073	2011	11	23	23	V	0.05	15.6	2.25	211
180970073	2011	11	23	24	V	0.02	2.9	3.12	208
180970073	2011	11	24	1	V	2.0	1.9	4.77	231
180970073	2011	11	24	2	V	0.09	2.3	4.93	222
180970073	2011	11	24	3	V	0.01	1.6	4.1	214
180970073	2011	11	24	4	V	0.02	1.3	4.2	219
180970073	2011	11	24	5	V	0.01	1.1	5.14	217
180970073	2011	11	24	6	V	0.01	0.5	4.08	213
180970073	2011	11	24	7	V	0.01	0.4	4.25	208
180970073	2011	11	24	8	V	0.01	0.2	4.63	203
180970073	2011	11	24	9	V	0.01	0.1	4.75	200
180970073	2011	11	24	10	V	0.01	0.4	5.26	205
180970073	2011	11	24	11	V	0.01	0.9	5.62	202
180970073	2011	11	24	12	V	0.01	0.7	5.73	197
180970073	2011	11	24	13	V	0.005	0.5	5.77	193
180970073	2011	11	24	14	V	0.005	0.7	5.8	191
180970073	2011	11	24	15	V	0.02	0.9	5.02	208
180970073	2011	11	24	16	V	0.01	1.1	4.49	199
180970073	2011	11	24	17	V	0.01	1.2	5.56	187
180970073	2011	11	24	18	V	0.01	2.9	4.12	190
180970073	2011	11	24	19	V	0.01	2.5	4.7	184
180970073	2011	11	24	20	V	0.01	0.8	5.68	186
180970073	2011	11	24	21	V	0.01	0.8	5.38	192
180970073	2011	11	24	22	V	0.01	0.8	5.39	188
180970073	2011	11	24	23	V	0.01	0.6	3.69	185
180970073	2011	11	24	24	V	0.01	0.4	4.26	183
180970073	2011	11	25	1	V	0.01	0.3	3.95	180
180970073	2011	11	25	2	V	0.01	0.1	4.09	175

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	25	3	V	0.01	0	3.07	174
180970073	2011	11	25	4	V	0.01	0	3.61	188
180970073	2011	11	25	5	V	0.01	0	4.8	190
180970073	2011	11	25	6	V	0.01	0	4.07	182
180970073	2011	11	25	7	V	0.01	0	3.49	189
180970073	2011	11	25	8	V	0.04	0	3.69	201
180970073	2011	11	25	9	V	0.03	0.2	4.07	197
180970073	2011	11	25	10	V	0.01	1.1	5.26	196
180970073	2011	11	25	11	V	0.01	1.8	6.74	201
180970073	2011	11	25	12	V	0.004	2	7.88	202
180970073	2011	11	25	13	V	0.004	1.2	7.93	199
180970073	2011	11	25	14	V	0.003	0.7	8.78	203
180970073	2011	11	25	15	V	0.01	0.7	8.83	207
180970073	2011	11	25	16	V	0.01	0.8	8.18	199
180970073	2011	11	25	17	V	0.01	0.6	6.82	190
180970073	2011	11	25	18	V	0.01	0.7	5.34	193
180970073	2011	11	25	19	V	0.01	2.3	4.9	178
180970073	2011	11	25	20	V	0.01	1.9	4.37	180
180970073	2011	11	25	21	V	0.01	1.4	4.82	176
180970073	2011	11	25	22	V	0.01	0.9	4.82	181
180970073	2011	11	25	23	V	0.01	0.6	5.53	188
180970073	2011	11	25	24	V	0.01	0.6	5.44	195
180970073	2011	11	26	1	V	0.01	0.8	6.29	193
180970073	2011	11	26	2	V	0.01	1	5.89	196
180970073	2011	11	26	3	V	0.01	1.2	5.45	200
180970073	2011	11	26	4	V	0.01	1.1	5.24	199
180970073	2011	11	26	5	V	0.01	1	5.41	202
180970073	2011	11	26	6	V	0.01	0.9	5.17	198
180970073	2011	11	26	7	V	0.01	1	5.43	177
180970073	2011	11	26	8	V	0.01	0.9	5.16	164
180970073	2011	11	26	9	V	0.01	1	5.26	164
180970073	2011	11	26	10	V	0.01	1.4	5.73	168
180970073	2011	11	26	11	V	0.01	2.4	6.52	172
180970073	2011	11	26	12	V	0.002	2.1	9.18	190
180970073	2011	11	26	13	V	0.003	1.3	8.9	192
180970073	2011	11	26	14	V	0.002	0.9	9.54	193
180970073	2011	11	26	15	V	0.01	1.3	7.83	191
180970073	2011	11	26	16	V	0.01	0.5	4.87	191
180970073	2011	11	26	17	V	0.01	0.1	4.44	177
180970073	2011	11	26	18	V	0.01	0.2	5.09	176
180970073	2011	11	26	19	V	0.01	0.1	3.46	154
180970073	2011	11	26	20	V	0.01	0.3	4.26	135
180970073	2011	11	26	21	V	0.01	0.2	5.38	163
180970073	2011	11	26	22	V	0.01	0.1	5.61	171
180970073	2011	11	26	23	V	0.01	0.3	6.07	171
180970073	2011	11	26	24	V	0.01	0.5	9.78	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	27	1	V	0.7	0.2	4.99	228
180970073	2011	11	27	2	V	0.01	0	4.02	204
180970073	2011	11	27	3	V	0.01	0	5.21	191
180970073	2011	11	27	4	V	0.01	0.1	4.88	180
180970073	2011	11	27	5	V	0.01	0	3.97	188
180970073	2011	11	27	6	V	0.01	0	5.58	297
180970073	2011	11	27	7	V	0.01	0	4.93	304
180970073	2011	11	27	8	V	0.01	0	4.97	307
180970073	2011	11	27	9	V	0.01	0	4.48	301
180970073	2011	11	27	10	V	0.01	0	4.2	294
180970073	2011	11	27	11	V	0.01	0	4.44	285
180970073	2011	11	27	12	V	0.01	0	4.53	292
180970073	2011	11	27	13	V	0.01	0	4.9	294
180970073	2011	11	27	14	V	0.004	0	5.53	291
180970073	2011	11	27	15	V	0.01	0	5.36	293
180970073	2011	11	27	16	V	0.01	0	4.85	294
180970073	2011	11	27	17	V	0.01	0	4.56	300
180970073	2011	11	27	18	V	0.01	0	4.6	304
180970073	2011	11	27	19	V	0.01	0	5.51	325
180970073	2011	11	27	20	V	0.01	0	6.06	334
180970073	2011	11	27	21	V	0.01	0	6.79	341
180970073	2011	11	27	22	V	0.01	0	6.09	353
180970073	2011	11	27	23	V	0.01	0	5.73	359
180970073	2011	11	27	24	V	0.01	0	5.67	3
180970073	2011	11	28	1	V	0.01	0	6.09	5
180970073	2011	11	28	2	V	0.01	0	5.96	4
180970073	2011	11	28	3	V	0.01	0	5.53	6
180970073	2011	11	28	4	V	0.01	0	6.16	5
180970073	2011	11	28	5	V	0.01	0	6.21	15
180970073	2011	11	28	6	V	0.01	0	6.18	23
180970073	2011	11	28	7	V	0.01	0	6.41	24
180970073	2011	11	28	8	V	0.01	0	6.11	22
180970073	2011	11	28	9	V	0.005	0	6.65	22
180970073	2011	11	28	10	V	0.004	0	6.91	27
180970073	2011	11	28	11	V	0.003	0.2	7.86	30
180970073	2011	11	28	12	V	0.003	0.2	7.99	31
180970073	2011	11	28	13	V	0.003	0.1	7.64	25
180970073	2011	11	28	14	V	0.002	0	8.27	26
180970073	2011	11	28	15	V	0.01	0	8.15	27
180970073	2011	11	28	16	V	0.01	0	8.85	27
180970073	2011	11	28	17	V	0.01	0	10.02	37
180970073	2011	11	28	18	V	0.01	0.1	9.42	29
180970073	2011	11	28	19	V	0.01	0.2	9.75	30
180970073	2011	11	28	20	V	0.01	0.2	9.41	31
180970073	2011	11	28	21	V	0.01	0.2	9.59	27
180970073	2011	11	28	22	V	0.01	0.3	9.7	25

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	28	23	V	0.01	-999	9.64	28
180970073	2011	11	28	24	V	0.01	0.4	8.96	23
180970073	2011	11	29	1	V	0.01	0.4	8.98	25
180970073	2011	11	29	2	V	0.01	0.5	4.15	46
180970073	2011	11	29	3	V	0.01	0.3	4.6	27
180970073	2011	11	29	4	V	0.01	0.2	6.31	18
180970073	2011	11	29	5	V	0.01	0	7.6	27
180970073	2011	11	29	6	V	0.01	0	4.85	33
180970073	2011	11	29	7	V	0.01	0	4.48	25
180970073	2011	11	29	8	V	0.01	0	5.16	16
180970073	2011	11	29	9	V	0.01	0	5.33	10
180970073	2011	11	29	10	V	0.01	0	5.51	10
180970073	2011	11	29	11	V	0.01	0	5.33	18
180970073	2011	11	29	12	V	0.02	0	3.52	9
180970073	2011	11	29	13	V	0.01	0	4.82	344
180970073	2011	11	29	14	V	0.003	0	6.69	337
180970073	2011	11	29	15	V	0.01	0	7.16	334
180970073	2011	11	29	16	V	0.01	0	7.91	331
180970073	2011	11	29	17	V	0.01	0	9.13	337
180970073	2011	11	29	18	V	0.01	0	9.12	339
180970073	2011	11	29	19	V	0.01	0	8.05	339
180970073	2011	11	29	20	V	0.01	0	6.77	329
180970073	2011	11	29	21	V	0.01	0	4.51	313
180970073	2011	11	29	22	V	0.01	0	4.73	306
180970073	2011	11	29	23	V	0.01	0	7.31	306
180970073	2011	11	29	24	V	0.01	0.1	6.67	300
180970073	2011	11	30	1	V	0.02	0	5.79	296
180970073	2011	11	30	2	V	0.02	0.2	6.21	294
180970073	2011	11	30	3	V	0.02	0.2	6.6	292
180970073	2011	11	30	4	V	0.02	0.3	6.26	290
180970073	2011	11	30	5	V	0.02	0.5	6.57	286
180970073	2011	11	30	6	V	0.02	0.4	6.21	286
180970073	2011	11	30	7	V	0.03	0.4	6.28	288
180970073	2011	11	30	8	V	0.05	0.5	5.09	290
180970073	2011	11	30	9	V	0.06	0.4	4.53	288
180970073	2011	11	30	10	V	0.06	0.6	5.05	287
180970073	2011	11	30	11	V	0.1	0.9	4.27	306
180970073	2011	11	30	12	V	0.5	1.1	2.66	287
180970073	2011	11	30	13	V	0.3	1	2.88	272
180970073	2011	11	30	14	V	0.1	1	3.3	280
180970073	2011	11	30	15	V	0.04	0.9	3.22	294
180970073	2011	11	30	16	V	0.03	1	3.1	296
180970073	2011	11	30	17	V	0.04	0.6	2.62	277
180970073	2011	11	30	18	V	0.08	0.4	1.99	288
180970073	2011	11	30	19	V	0.2	0.4	1.62	309
180970073	2011	11	30	20	V	9.1	0.6	0.72	255

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	11	30	21	V	26.3	0.6	1.5	230
180970073	2011	11	30	22	V	0.2	0.9	1.57	208
180970073	2011	11	30	23	V	0.3	0.8	1.35	200
180970073	2011	11	30	24	V	11.0	1.6	0.69	224
180970073	2011	12	1	1	V	0.6	2.1	0.96	302
180970073	2011	12	1	2	V	0.9	1.9	0.72	162
180970073	2011	12	1	3	V	0.7	1.8	0.87	182
180970073	2011	12	1	4	V	0.4	1.7	1.11	307
180970073	2011	12	1	5	V	0.1	1.6	1.67	184
180970073	2011	12	1	6	V	0.04	1.4	2.52	195
180970073	2011	12	1	7	V	0.3	1.6	1.3	181
180970073	2011	12	1	8	V	1.3	1.7	1.09	193
180970073	2011	12	1	9	V	1.7	1.5	1.14	172
180970073	2011	12	1	10	V	0.4	1.3	2.45	173
180970073	2011	12	1	11	V	0.2	1.7	3.15	185
180970073	2011	12	1	12	V	0.2	6.4	3.54	199
180970073	2011	12	1	13	V	0.5	9.2	3.27	212
180970073	2011	12	1	14	V	0.3	7.3	2.72	205
180970073	2011	12	1	15	V	0.04	5.2	2.17	204
180970073	2011	12	1	16	V	0.02	3.2	5.36	180
180970073	2011	12	1	17	V	0.03	3	3.36	192
180970073	2011	12	1	18	V	0.03	3.1	2.86	179
180970073	2011	12	1	19	V	0.03	2.2	2.86	212
180970073	2011	12	1	20	V	0.06	1.6	2.36	214
180970073	2011	12	1	21	C	-999	1.4	0	0
180970073	2011	12	1	22	C	-999	1.3	0	0
180970073	2011	12	1	23	V	1.1	1.1	1.76	221
180970073	2011	12	1	24	V	0.03	1.2	3.36	214
180970073	2011	12	2	1	V	3.4	1.4	2.86	226
180970073	2011	12	2	2	V	0.03	3.9	3.36	212
180970073	2011	12	2	3	V	21.8	4.9	1.76	231
180970073	2011	12	2	4	V	0.2	3.3	2.36	264
180970073	2011	12	2	5	V	2.5	2.5	3.36	241
180970073	2011	12	2	6	V	6.2	4.6	2.86	247
180970073	2011	12	2	7	V	0.1	6.1	2.36	265
180970073	2011	12	2	8	V	0.7	4.4	2.36	271
180970073	2011	12	2	9	V	0.3	3.3	2.36	338
180970073	2011	12	2	10	V	0.08	3	4.36	1
180970073	2011	12	2	11	V	0.07	2.5	4.86	15
180970073	2011	12	2	12	V	0.2	1.7	2.86	14
180970073	2011	12	2	13	M	-999	1.1	2.36	999
180970073	2011	12	2	14	V	0.2	1.3	2.33	68
180970073	2011	12	2	15	V	0.05	1.3	2.69	72
180970073	2011	12	2	16	V	0.04	1.3	3.69	66
180970073	2011	12	2	17	V	0.04	0.8	3.9	72
180970073	2011	12	2	18	V	0.04	0.8	4.63	85

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	2	19	V	0.03	0.5	4.56	89
180970073	2011	12	2	20	V	0.02	0.5	3.59	96
180970073	2011	12	2	21	V	0.03	0.6	3.3	112
180970073	2011	12	2	22	V	0.03	0.6	3.24	113
180970073	2011	12	2	23	V	0.03	0.5	3.34	109
180970073	2011	12	2	24	V	0.02	0.8	3.32	117
180970073	2011	12	3	1	V	0.03	1.3	3.18	128
180970073	2011	12	3	2	V	0.03	1.8	3.91	126
180970073	2011	12	3	3	V	0.03	3.1	4.53	146
180970073	2011	12	3	4	V	0.03	4.3	2.96	149
180970073	2011	12	3	5	V	0.03	5	2.96	125
180970073	2011	12	3	6	V	0.02	5	3.42	143
180970073	2011	12	3	7	V	0.03	4.4	3.37	144
180970073	2011	12	3	8	V	0.2	3.7	3.01	131
180970073	2011	12	3	9	V	0.3	3.6	2.57	144
180970073	2011	12	3	10	V	0.2	3.6	3.1	147
180970073	2011	12	3	11	V	0.3	3.9	2.81	147
180970073	2011	12	3	12	V	0.3	4	3	141
180970073	2011	12	3	13	V	0.1	3.7	3.64	163
180970073	2011	12	3	14	V	0.1	4	3.32	151
180970073	2011	12	3	15	V	0.04	3.9	4.27	134
180970073	2011	12	3	16	V	0.04	3.7	5.31	128
180970073	2011	12	3	17	V	0.04	4.2	5.33	135
180970073	2011	12	3	18	V	0.04	4.2	5.39	141
180970073	2011	12	3	19	V	0.03	3.7	6.07	141
180970073	2011	12	3	20	V	0.03	5.3	6.82	149
180970073	2011	12	3	21	V	0.03	2.3	4.85	152
180970073	2011	12	3	22	V	0.03	1.7	4.37	148
180970073	2011	12	3	23	V	0.03	1.8	4.31	144
180970073	2011	12	3	24	V	0.02	1.3	4.76	161
180970073	2011	12	4	1	V	0.02	1.7	6.43	172
180970073	2011	12	4	2	V	0.02	1.7	7.45	181
180970073	2011	12	4	3	V	0.02	1.3	8.01	178
180970073	2011	12	4	4	V	0.02	1.3	7.25	178
180970073	2011	12	4	5	V	0.02	1.2	7.93	180
180970073	2011	12	4	6	V	3.3	1.6	5.94	240
180970073	2011	12	4	7	V	0.02	1	6.53	197
180970073	2011	12	4	8	V	0.02	0.6	8.32	180
180970073	2011	12	4	9	V	0.005	1	8.9	185
180970073	2011	12	4	10	V	0.004	1.2	9.49	172
180970073	2011	12	4	11	V	0.01	0.9	8	198
180970073	2011	12	4	12	V	0.01	0.9	6.72	192
180970073	2011	12	4	13	V	0.01	0.8	7.3	191
180970073	2011	12	4	14	V	0.01	0.7	5.82	195
180970073	2011	12	4	15	V	0.03	0.5	5.55	195
180970073	2011	12	4	16	V	0.02	0.4	5.77	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	4	17	V	0.02	0.5	5.1	176
180970073	2011	12	4	18	V	0.03	0.4	5.72	177
180970073	2011	12	4	19	V	1.2	0.3	3.42	224
180970073	2011	12	4	20	V	0.03	0.3	4.65	338
180970073	2011	12	4	21	V	0.03	0.2	4.51	334
180970073	2011	12	4	22	V	0.03	0.2	3.85	350
180970073	2011	12	4	23	V	0.03	0.2	3.2	356
180970073	2011	12	4	24	V	0.02	0.2	3.71	347
180970073	2011	12	5	1	V	0.02	0.2	3.88	2
180970073	2011	12	5	2	V	0.02	0.1	4.27	6
180970073	2011	12	5	3	V	0.02	0.1	3.42	358
180970073	2011	12	5	4	V	0.03	0.1	3.88	10
180970073	2011	12	5	5	V	0.03	0.3	3.88	17
180970073	2011	12	5	6	V	0.03	0.2	3.27	355
180970073	2011	12	5	7	V	0.03	0.3	4.15	341
180970073	2011	12	5	8	V	0.07	0.3	3.81	19
180970073	2011	12	5	9	V	0.1	0.3	3.97	21
180970073	2011	12	5	10	V	0.08	0.3	4.53	7
180970073	2011	12	5	11	V	0.02	0.2	5.99	13
180970073	2011	12	5	12	V	0.02	0.3	6.24	13
180970073	2011	12	5	13	V	0.02	0.1	5.7	6
180970073	2011	12	5	14	V	0.01	0.2	6.12	4
180970073	2011	12	5	15	V	0.04	0.2	5.73	5
180970073	2011	12	5	16	V	0.03	0.3	6.18	8
180970073	2011	12	5	17	V	0.03	0.1	5.97	5
180970073	2011	12	5	18	V	0.04	0.2	5.84	5
180970073	2011	12	5	19	V	0.04	0.2	6.43	11
180970073	2011	12	5	20	V	0.04	0.1	7.03	358
180970073	2011	12	5	21	V	0.03	0	7.81	16
180970073	2011	12	5	22	V	0.03	0.2	8.28	41
180970073	2011	12	5	23	V	0.04	-999	6.72	37
180970073	2011	12	5	24	V	0.03	0.2	6.81	18
180970073	2011	12	6	1	V	0.03	0.2	6.91	25
180970073	2011	12	6	2	V	0.03	0.2	6.65	22
180970073	2011	12	6	3	V	0.03	0.1	6.29	23
180970073	2011	12	6	4	V	0.03	0.1	6.48	40
180970073	2011	12	6	5	V	0.02	0.1	6.5	31
180970073	2011	12	6	6	V	0.03	0.1	6.24	26
180970073	2011	12	6	7	V	0.03	0.4	5.94	21
180970073	2011	12	6	8	V	0.05	0.4	6.09	21
180970073	2011	12	6	9	V	0.02	0.4	6.79	18
180970073	2011	12	6	10	V	0.02	0.2	6.94	22
180970073	2011	12	6	11	V	0.02	0.2	6.77	26
180970073	2011	12	6	12	V	0.03	0.2	5.75	36
180970073	2011	12	6	13	V	0.06	0.3	4.71	14
180970073	2011	12	6	14	V	0.03	0.2	5.29	5

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	6	15	V	0.04	0.2	5.46	32
180970073	2011	12	6	16	V	0.04	0.2	4.85	10
180970073	2011	12	6	17	V	0.04	0.2	4.24	359
180970073	2011	12	6	18	V	0.04	0.2	4.26	12
180970073	2011	12	6	19	V	0.04	0.3	4.54	360
180970073	2011	12	6	20	V	0.04	0.1	4.99	11
180970073	2011	12	6	21	V	0.04	0.1	3.59	16
180970073	2011	12	6	22	V	0.04	0.2	3.51	348
180970073	2011	12	6	23	V	0.04	0.1	3.42	6
180970073	2011	12	6	24	V	0.03	0.2	3.46	6
180970073	2011	12	7	1	V	0.03	0.4	3.52	6
180970073	2011	12	7	2	V	0.03	0.3	3.86	340
180970073	2011	12	7	3	V	0.03	0.3	4.36	350
180970073	2011	12	7	4	V	0.03	0.2	3.36	6
180970073	2011	12	7	5	V	0.03	0.3	4.36	4
180970073	2011	12	7	6	V	0.03	0.3	4.36	360
180970073	2011	12	7	7	V	0.03	0.4	2.86	5
180970073	2011	12	7	8	V	0.1	0.5	2.86	360
180970073	2011	12	7	9	V	0.3	0.4	2.3	8
180970073	2011	12	7	10	V	0.2	0.8	2.33	351
180970073	2011	12	7	11	V	1.3	0.7	0.82	330
180970073	2011	12	7	12	V	1.7	1	2.52	264
180970073	2011	12	7	13	V	0.1	1.4	3.27	272
180970073	2011	12	7	14	V	0.01	1.4	6.23	302
180970073	2011	12	7	15	V	0.03	1	6.89	287
180970073	2011	12	7	16	V	0.03	1	6.72	286
180970073	2011	12	7	17	V	0.03	0.5	6.06	275
180970073	2011	12	7	18	V	0.2	0.4	5.16	264
180970073	2011	12	7	19	V	7.9	0.8	5.19	253
180970073	2011	12	7	20	V	7.1	3.1	5.38	249
180970073	2011	12	7	21	V	5.5	3.3	4.34	247
180970073	2011	12	7	22	V	2.6	3.2	3.91	245
180970073	2011	12	7	23	V	5.5	9.4	4.68	247
180970073	2011	12	7	24	V	10.0	3.1	4.26	251
180970073	2011	12	8	1	V	8.5	1.8	4.07	249
180970073	2011	12	8	2	V	13.4	1.6	3.2	251
180970073	2011	12	8	3	V	1.3	1.5	3.01	241
180970073	2011	12	8	4	V	28.4	1.4	2.83	231
180970073	2011	12	8	5	V	0.07	1.7	3.01	221
180970073	2011	12	8	6	V	0.05	2	2.54	209
180970073	2011	12	8	7	V	0.05	2.6	2.32	170
180970073	2011	12	8	8	V	0.2	2.2	3.08	200
180970073	2011	12	8	9	V	1.2	4.2	2.73	212
180970073	2011	12	8	10	V	1.8	11.3	3.2	215
180970073	2011	12	8	11	V	3.3	19.5	2.88	215
180970073	2011	12	8	12	V	0.1	8.3	3.3	205

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	8	13	V	0.05	12.2	4.76	203
180970073	2011	12	8	14	V	9.5	10.8	6.62	230
180970073	2011	12	8	15	V	22.6	11.6	6.57	233
180970073	2011	12	8	16	V	3.5	3.1	5.56	244
180970073	2011	12	8	17	V	0.2	7.2	4.22	220
180970073	2011	12	8	18	V	0.1	3.1	3.05	220
180970073	2011	12	8	19	V	0.04	9.1	3.39	203
180970073	2011	12	8	20	V	0.04	12	3.47	207
180970073	2011	12	8	21	V	0.8	6.7	2.84	223
180970073	2011	12	8	22	V	0.09	6.5	2.1	212
180970073	2011	12	8	23	V	0.2	4.9	1.45	191
180970073	2011	12	8	24	V	0.4	3.5	1.13	187
180970073	2011	12	9	1	V	0.2	2.8	1.33	161
180970073	2011	12	9	2	V	0.03	2.8	3.37	184
180970073	2011	12	9	3	V	0.05	3.2	2.27	216
180970073	2011	12	9	4	V	21.5	3.6	1.76	230
180970073	2011	12	9	5	V	0.09	3.7	1.81	307
180970073	2011	12	9	6	V	10.9	2.9	1.33	251
180970073	2011	12	9	7	V	6.1	3.1	1.81	256
180970073	2011	12	9	8	V	1.1	3.3	2.01	219
180970073	2011	12	9	9	V	2.0	4.2	2.2	214
180970073	2011	12	9	10	V	17.4	3.8	2.91	239
180970073	2011	12	9	11	V	0.1	4.8	3.69	269
180970073	2011	12	9	12	V	0.06	3	4.1	305
180970073	2011	12	9	13	V	0.02	1.7	5.39	319
180970073	2011	12	9	14	V	0.02	1.4	4.85	311
180970073	2011	12	9	15	V	0.04	1.6	5.02	298
180970073	2011	12	9	16	V	0.03	1.1	4.66	305
180970073	2011	12	9	17	V	0.03	1	5.12	299
180970073	2011	12	9	18	V	0.03	0.8	4.75	306
180970073	2011	12	9	19	V	0.03	0.7	4.14	310
180970073	2011	12	9	20	V	0.03	0.5	3.69	308
180970073	2011	12	9	21	V	0.07	0.7	2.27	302
180970073	2011	12	9	22	V	0.05	0.6	2.66	302
180970073	2011	12	9	23	V	0.03	0.7	3.23	300
180970073	2011	12	9	24	V	0.04	0.9	2.93	294
180970073	2011	12	10	1	V	0.03	0.7	4.34	301
180970073	2011	12	10	2	V	0.02	1	5.12	313
180970073	2011	12	10	3	V	0.02	1.1	4.32	309
180970073	2011	12	10	4	V	0.02	1	3.46	300
180970073	2011	12	10	5	V	0.05	1	2.44	298
180970073	2011	12	10	6	V	0.09	1	1.93	284
180970073	2011	12	10	7	V	0.6	1	2.16	262
180970073	2011	12	10	8	V	9.5	1	2.54	245
180970073	2011	12	10	9	V	9.5	1.5	2.39	253
180970073	2011	12	10	10	V	1.7	1.7	3.18	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	10	11	V	4.3	1.7	2.64	260
180970073	2011	12	10	12	V	2.7	2.4	3.35	261
180970073	2011	12	10	13	V	6.6	1.8	3.34	253
180970073	2011	12	10	14	V	5.2	1.9	3.2	245
180970073	2011	12	10	15	V	0.03	3.5	3.12	274
180970073	2011	12	10	16	V	6.7	1.7	3.32	255
180970073	2011	12	10	17	V	0.6	3.6	3.07	242
180970073	2011	12	10	18	V	13.1	4	3.13	229
180970073	2011	12	10	19	V	1.1	2.5	2.78	243
180970073	2011	12	10	20	V	0.05	1.4	2.54	269
180970073	2011	12	10	21	V	9.8	1.7	1.67	252
180970073	2011	12	10	22	V	0.3	1.6	1.38	209
180970073	2011	12	10	23	V	0.08	1.4	2.15	190
180970073	2011	12	10	24	V	0.1	1.5	1.94	195
180970073	2011	12	11	1	V	0.4	1.5	1.13	193
180970073	2011	12	11	2	V	0.1	1.5	1.84	199
180970073	2011	12	11	3	V	0.05	1.4	2.21	179
180970073	2011	12	11	4	V	0.2	1.5	1.62	194
180970073	2011	12	11	5	V	0.2	1.2	1.5	191
180970073	2011	12	11	6	V	0.05	1	2.35	162
180970073	2011	12	11	7	V	0.03	1.1	2.98	161
180970073	2011	12	11	8	V	0.1	1.3	3.39	153
180970073	2011	12	11	9	V	0.2	1.6	3.52	165
180970073	2011	12	11	10	V	0.3	2	2.76	184
180970073	2011	12	11	11	V	0.2	2.5	3.27	171
180970073	2011	12	11	12	V	0.2	3.2	3.66	166
180970073	2011	12	11	13	V	0.2	2.8	2.78	166
180970073	2011	12	11	14	V	0.2	2	3.03	155
180970073	2011	12	11	15	V	0.03	1.6	3.25	164
180970073	2011	12	11	16	V	0.02	1.5	3.51	157
180970073	2011	12	11	17	V	0.02	1.5	3.35	145
180970073	2011	12	11	18	V	0.02	1.3	3.63	132
180970073	2011	12	11	19	V	0.03	1.4	3.32	131
180970073	2011	12	11	20	V	0.03	1.6	3.25	144
180970073	2011	12	11	21	V	0.03	1.6	3.59	150
180970073	2011	12	11	22	V	0.03	1.5	3.47	155
180970073	2011	12	11	23	V	0.05	1.4	2.74	147
180970073	2011	12	11	24	V	0.04	1.5	2.88	138
180970073	2011	12	12	1	V	0.04	8	3	140
180970073	2011	12	12	2	V	0.1	7.3	1.71	124
180970073	2011	12	12	3	V	0.04	5.3	2.66	129
180970073	2011	12	12	4	V	0.07	4.6	1.99	143
180970073	2011	12	12	5	V	0.2	3.3	1.6	147
180970073	2011	12	12	6	V	0.5	2.3	1.08	94
180970073	2011	12	12	7	V	0.6	2.3	1.04	96
180970073	2011	12	12	8	V	0.9	2.5	1.4	107

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	12	9	V	1.0	3.3	1.65	98
180970073	2011	12	12	10	V	1.6	3.1	1.4	101
180970073	2011	12	12	11	V	1.6	8.4	1.42	118
180970073	2011	12	12	12	V	1.5	16.8	1.43	159
180970073	2011	12	12	13	V	12.1	18.2	1.42	218
180970073	2011	12	12	14	V	0.4	5.1	2.35	201
180970073	2011	12	12	15	V	0.04	7	2.74	190
180970073	2011	12	12	16	V	0.05	6.9	2.5	190
180970073	2011	12	12	17	V	0.06	4.2	2.32	162
180970073	2011	12	12	18	V	0.06	3.5	2.32	140
180970073	2011	12	12	19	V	0.03	3.2	3.12	142
180970073	2011	12	12	20	V	0.04	3.2	2.83	127
180970073	2011	12	12	21	V	0.05	3	2.76	125
180970073	2011	12	12	22	V	0.05	2.9	2.52	145
180970073	2011	12	12	23	V	0.2	-999	1.52	157
180970073	2011	12	12	24	V	0.1	2.4	1.48	120
180970073	2011	12	13	1	V	0.2	2.7	1.31	148
180970073	2011	12	13	2	V	0.7	2.3	0.86	141
180970073	2011	12	13	3	V	0.2	2.7	1.42	149
180970073	2011	12	13	4	V	0.3	2.4	1.11	151
180970073	2011	12	13	5	V	0.06	2.4	2.01	134
180970073	2011	12	13	6	V	0.05	4	2.1	134
180970073	2011	12	13	7	V	0.03	4.3	2.62	129
180970073	2011	12	13	8	V	0.1	4.6	1.6	172
180970073	2011	12	13	9	V	0.7	4.4	1.64	204
180970073	2011	12	13	10	V	0.7	4.4	1.6	156
180970073	2011	12	13	11	V	0.6	5.1	1.89	202
180970073	2011	12	13	12	V	4.8	11.5	2.13	217
180970073	2011	12	13	13	V	1.6	19.9	2.59	215
180970073	2011	12	13	14	V	0.2	29.9	2.54	205
180970073	2011	12	13	15	V	0.05	23.4	2.62	153
180970073	2011	12	13	16	V	0.04	8.1	3.05	175
180970073	2011	12	13	17	V	0.04	4	3.42	191
180970073	2011	12	13	18	V	0.04	3.1	3.18	175
180970073	2011	12	13	19	V	0.04	2.4	3.69	166
180970073	2011	12	13	20	V	0.04	1.8	3.25	174
180970073	2011	12	13	21	V	0.04	1.8	3.05	157
180970073	2011	12	13	22	V	0.04	2.1	4.14	161
180970073	2011	12	13	23	V	0.04	2	3.73	168
180970073	2011	12	13	24	V	0.03	1.6	3.42	170
180970073	2011	12	14	1	V	0.03	1.5	3.66	187
180970073	2011	12	14	2	V	0.03	1.6	3.12	179
180970073	2011	12	14	3	V	0.03	1.3	2.5	173
180970073	2011	12	14	4	V	0.04	1.2	2.33	125
180970073	2011	12	14	5	V	0.03	1	3.54	137
180970073	2011	12	14	6	V	0.03	1.1	4.27	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	14	7	V	0.03	1.1	3.73	127
180970073	2011	12	14	8	V	0.06	1.3	3.44	142
180970073	2011	12	14	9	V	0.07	1.3	4.27	141
180970073	2011	12	14	10	V	0.07	1.5	4.46	144
180970073	2011	12	14	11	V	0.08	1.6	4.2	161
180970073	2011	12	14	12	V	0.04	1.7	5.27	186
180970073	2011	12	14	13	V	0.03	2.1	5.9	197
180970073	2011	12	14	14	V	0.01	-999	7.71	193
180970073	2011	12	14	15	V	0.03	-999	7.35	191
180970073	2011	12	14	16	V	0.03	0	7.81	182
180970073	2011	12	14	17	V	0.03	0	7.25	192
180970073	2011	12	14	18	V	0.03	0	7.42	198
180970073	2011	12	14	19	V	0.03	0	9.08	207
180970073	2011	12	14	20	V	0.03	0	7.82	206
180970073	2011	12	14	21	V	0.03	0	6.65	181
180970073	2011	12	14	22	V	0.03	0	7.93	167
180970073	2011	12	14	23	V	0.02	-999	8.2	170
180970073	2011	12	14	24	V	0.02	-999	8.64	180
180970073	2011	12	15	1	V	0.02	0	9.56	195
180970073	2011	12	15	2	V	0.01	0	10.43	195
180970073	2011	12	15	3	V	0.01	0	11.11	194
180970073	2011	12	15	4	V	0.01	0	9.97	201
180970073	2011	12	15	5	V	0.01	0	9.37	201
180970073	2011	12	15	6	V	0.01	0	9.46	214
180970073	2011	12	15	7	V	0.01	0	8.79	217
180970073	2011	12	15	8	V	0.1	0	9.64	221
180970073	2011	12	15	9	V	0.3	0	9.63	226
180970073	2011	12	15	10	V	0.5	0	9.32	228
180970073	2011	12	15	11	V	1.7	0	10.83	252
180970073	2011	12	15	12	V	0.002	0	10.34	272
180970073	2011	12	15	13	V	0.004	0	10.31	268
180970073	2011	12	15	14	V	0.002	0	10.75	278
180970073	2011	12	15	15	V	0.01	0	11.11	276
180970073	2011	12	15	16	V	0.01	0	10.72	277
180970073	2011	12	15	17	V	0.01	0	9.73	276
180970073	2011	12	15	18	V	0.01	0	8.9	280
180970073	2011	12	15	19	V	0.01	0	9.29	281
180970073	2011	12	15	20	V	0.01	0	8.83	289
180970073	2011	12	15	21	V	0.01	0	8.88	296
180970073	2011	12	15	22	V	0.01	0	7.18	292
180970073	2011	12	15	23	V	0.01	0	6.5	295
180970073	2011	12	15	24	V	0.01	-999	5.82	290
180970073	2011	12	16	1	V	0.01	-999	4.83	287
180970073	2011	12	16	2	V	0.01	-999	4.83	283
180970073	2011	12	16	3	V	0.01	-999	4.87	307
180970073	2011	12	16	4	V	0.01	-999	3.74	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	16	5	V	0.01	-999	2.42	316
180970073	2011	12	16	6	V	0.03	-999	2.01	297
180970073	2011	12	16	7	V	0.02	-999	2.16	296
180970073	2011	12	16	8	V	0.03	-999	2.03	306
180970073	2011	12	16	9	V	0.1	-999	1.79	288
180970073	2011	12	16	10	V	7.8	-999	1.5	251
180970073	2011	12	16	11	V	1.0	-999	1.52	274
180970073	2011	12	16	12	V	0.1	-999	1.82	300
180970073	2011	12	16	13	V	0.05	-999	2.67	310
180970073	2011	12	16	14	V	0.01	-999	3.27	311
180970073	2011	12	16	15	V	0.01	-999	3.32	328
180970073	2011	12	16	16	V	0.01	-999	3.83	318
180970073	2011	12	16	17	V	0.01	-999	4.05	312
180970073	2011	12	16	18	V	0.01	-999	4.27	322
180970073	2011	12	16	19	V	0.01	-999	3.2	313
180970073	2011	12	16	20	V	0.01	-999	2.89	298
180970073	2011	12	16	21	V	0.02	-999	2.3	299
180970073	2011	12	16	22	V	0.02	-999	2.28	295
180970073	2011	12	16	23	V	0.02	-999	2.54	304
180970073	2011	12	16	24	V	0.01	-999	2.76	307
180970073	2011	12	17	1	V	0.02	-999	2.42	301
180970073	2011	12	17	2	V	0.03	-999	2.01	284
180970073	2011	12	17	3	V	0.05	-999	1.54	285
180970073	2011	12	17	4	V	0.03	-999	1.98	291
180970073	2011	12	17	5	V	0.04	-999	1.7	293
180970073	2011	12	17	6	V	0.03	-999	1.76	292
180970073	2011	12	17	7	V	6.9	-999	1.33	246
180970073	2011	12	17	8	V	0.05	-999	1.43	208
180970073	2011	12	17	9	V	3.1	-999	2.62	240
180970073	2011	12	17	10	V	0.1	-999	1.89	176
180970073	2011	12	17	11	V	0.05	-999	3.22	191
180970073	2011	12	17	12	V	0.3	-999	3.78	218
180970073	2011	12	17	13	V	1.1	-999	3.44	223
180970073	2011	12	17	14	V	1.7	-999	3.91	241
180970073	2011	12	17	15	V	0.1	-999	2.66	222
180970073	2011	12	17	16	V	1.1	-999	2.91	227
180970073	2011	12	17	17	V	1.5	-999	4.29	235
180970073	2011	12	17	18	V	1.0	-999	3.49	237
180970073	2011	12	17	19	V	0.01	-999	3.22	214
180970073	2011	12	17	20	V	1.5	-999	3.13	228
180970073	2011	12	17	21	V	1.5	-999	4.05	235
180970073	2011	12	17	22	V	2.4	-999	3.68	245
180970073	2011	12	17	23	V	11.6	-999	3.59	251
180970073	2011	12	17	24	V	7.7	-999	3.15	248
180970073	2011	12	18	1	V	0.3	-999	3.56	240
180970073	2011	12	18	2	V	1.5	-999	3.03	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	18	3	V	1.4	-999	3.13	229
180970073	2011	12	18	4	V	0.02	-999	2.54	216
180970073	2011	12	18	5	V	0.3	-999	3.69	226
180970073	2011	12	18	6	V	0.7	-999	3.12	238
180970073	2011	12	18	7	V	0.4	-999	2.64	224
180970073	2011	12	18	8	V	2.0	-999	2.98	232
180970073	2011	12	18	9	V	0.1	-999	2.37	197
180970073	2011	12	18	10	V	0.2	-999	2.35	203
180970073	2011	12	18	11	V	1.8	-999	3.05	224
180970073	2011	12	18	12	V	1.8	-999	3.61	225
180970073	2011	12	18	13	V	1.5	-999	5.14	227
180970073	2011	12	18	14	V	0.2	-999	4.48	220
180970073	2011	12	18	15	V	0.01	-999	4.42	181
180970073	2011	12	18	16	V	0.01	-999	5.22	196
180970073	2011	12	18	17	V	0.01	-999	4.09	219
180970073	2011	12	18	18	V	0.01	-999	4.44	216
180970073	2011	12	18	19	V	0.01	-999	3.83	190
180970073	2011	12	18	20	V	0.01	-999	4.19	192
180970073	2011	12	18	21	V	0.01	-999	4.17	194
180970073	2011	12	18	22	V	0.01	-999	5.79	196
180970073	2011	12	18	23	V	0.01	-999	4.85	202
180970073	2011	12	18	24	V	0.01	-999	5.17	203
180970073	2011	12	19	1	V	0.01	-999	4.8	195
180970073	2011	12	19	2	V	0.01	-999	4.59	190
180970073	2011	12	19	3	V	0.02	-999	5.26	187
180970073	2011	12	19	4	V	0.02	-999	4.15	188
180970073	2011	12	19	5	V	0.02	-999	4.05	195
180970073	2011	12	19	6	V	0.03	-999	4.58	204
180970073	2011	12	19	7	V	0.03	-999	4.68	209
180970073	2011	12	19	8	V	0.6	-999	7.11	219
180970073	2011	12	19	9	V	0.4	-999	7.13	221
180970073	2011	12	19	10	V	0.1	-999	7.38	219
180970073	2011	12	19	11	V	3.5	-999	6.33	225
180970073	2011	12	19	12	V	3.3	-999	7.3	226
180970073	2011	12	19	13	V	1.6	-999	7.06	224
180970073	2011	12	19	14	V	5.6	-999	6.91	228
180970073	2011	12	19	15	V	14.8	-999	5.58	229
180970073	2011	12	19	16	V	2.0	10.1	5.72	223
180970073	2011	12	19	17	V	17.9	4.9	7.6	232
180970073	2011	12	19	18	V	3.4	4.9	5.34	224
180970073	2011	12	19	19	V	13.9	3.3	4.37	228
180970073	2011	12	19	20	V	0.04	4.2	3.34	210
180970073	2011	12	19	21	V	0.2	1.6	3.49	221
180970073	2011	12	19	22	V	18.8	4.2	3.86	236
180970073	2011	12	19	23	V	0.04	-999	3.05	213
180970073	2011	12	19	24	V	0.1	0.7	3.17	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	20	1	V	4.6	0.2	2.54	246
180970073	2011	12	20	2	V	12.0	0	1.77	238
180970073	2011	12	20	3	V	0.03	0	3.12	327
180970073	2011	12	20	4	V	0.03	0	4.61	44
180970073	2011	12	20	5	V	0.03	0	4.59	50
180970073	2011	12	20	6	V	0.03	0	3.73	52
180970073	2011	12	20	7	V	0.03	0	3.86	51
180970073	2011	12	20	8	V	0.05	0	3.95	81
180970073	2011	12	20	9	V	0.1	0	3.37	87
180970073	2011	12	20	10	V	0.09	0	3.86	79
180970073	2011	12	20	11	V	0.1	0	3.51	78
180970073	2011	12	20	12	V	0.09	0	3.15	87
180970073	2011	12	20	13	V	0.09	0	2.74	92
180970073	2011	12	20	14	V	0.03	0	3.03	86
180970073	2011	12	20	15	V	0.04	0	3.13	89
180970073	2011	12	20	16	V	0.03	1.1	3.81	107
180970073	2011	12	20	17	V	0.03	2.8	4.07	100
180970073	2011	12	20	18	V	0.03	0.9	4.65	105
180970073	2011	12	20	19	V	0.03	1.2	5.09	126
180970073	2011	12	20	20	V	0.03	0.9	4.41	132
180970073	2011	12	20	21	V	0.03	0.2	3.3	138
180970073	2011	12	20	22	V	0.03	0	3.2	122
180970073	2011	12	20	23	V	0.03	0	3.06	131
180970073	2011	12	20	24	V	0.03	0	3.07	117
180970073	2011	12	21	1	V	0.03	0	3.12	118
180970073	2011	12	21	2	V	0.03	0	3.73	129
180970073	2011	12	21	3	V	0.03	0	2.71	156
180970073	2011	12	21	4	V	0.03	0	2.52	318
180970073	2011	12	21	5	V	0.09	0	1.74	95
180970073	2011	12	21	6	V	0.03	0	2.67	201
180970073	2011	12	21	7	V	0.03	0	3.95	198
180970073	2011	12	21	8	V	0.1	0	3.49	216
180970073	2011	12	21	9	V	17.7	1.1	4.37	228
180970073	2011	12	21	10	V	24.5	10.6	4.34	231
180970073	2011	12	21	11	V	0.02	3.6	6.5	279
180970073	2011	12	21	12	V	0.1	0.8	6.62	265
180970073	2011	12	21	13	V	0.08	0.3	8.28	265
180970073	2011	12	21	14	V	0.1	0	7.42	263
180970073	2011	12	21	15	V	3.2	0.3	6.69	258
180970073	2011	12	21	16	V	6.8	0.6	5.24	254
180970073	2011	12	21	17	V	4.5	2.4	6.77	256
180970073	2011	12	21	18	V	0.2	0.6	5.38	266
180970073	2011	12	21	19	V	0.3	0	4.83	265
180970073	2011	12	21	20	V	1.2	0	3.63	261
180970073	2011	12	21	21	V	8.4	0	3.39	254
180970073	2011	12	21	22	V	0.8	0	3.81	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	21	23	V	0.03	0	3.51	274
180970073	2011	12	21	24	V	6.3	0	1.65	256
180970073	2011	12	22	1	V	7.9	0	1.98	255
180970073	2011	12	22	2	V	0.05	0	1.99	284
180970073	2011	12	22	3	V	1.1	0	1.77	223
180970073	2011	12	22	4	V	2.7	0	1.5	224
180970073	2011	12	22	5	V	8.2	0	1.06	245
180970073	2011	12	22	6	V	0.1	0	1.5	193
180970073	2011	12	22	7	V	0.3	0	1.04	178
180970073	2011	12	22	8	V	0.2	0	1.2	49
180970073	2011	12	22	9	V	0.3	0.2	1.72	7
180970073	2011	12	22	10	V	0.6	0.3	1.31	22
180970073	2011	12	22	11	V	0.2	0	2.57	40
180970073	2011	12	22	12	V	0.3	0	1.94	127
180970073	2011	12	22	13	V	0.2	0.2	2.23	173
180970073	2011	12	22	14	V	0.3	0.7	1.48	130
180970073	2011	12	22	15	V	0.1	1.1	1.4	39
180970073	2011	12	22	16	V	0.03	0.5	2.52	4
180970073	2011	12	22	17	V	0.03	0	3.42	18
180970073	2011	12	22	18	V	0.03	0	2.67	9
180970073	2011	12	22	19	V	0.03	0	3.93	339
180970073	2011	12	22	20	V	0.03	0	2.25	20
180970073	2011	12	22	21	V	0.09	0	1.74	324
180970073	2011	12	22	22	V	0.03	0	2.39	290
180970073	2011	12	22	23	V	0.01	0	3.68	296
180970073	2011	12	22	24	V	0.01	0	4.83	311
180970073	2011	12	23	1	V	0.01	0	3.78	314
180970073	2011	12	23	2	V	0.01	0	4.73	328
180970073	2011	12	23	3	V	0.01	0	5.33	331
180970073	2011	12	23	4	V	0.01	0	6.23	349
180970073	2011	12	23	5	V	0.01	0	5.92	356
180970073	2011	12	23	6	V	0.01	0	5.72	8
180970073	2011	12	23	7	V	0.01	0	3.93	1
180970073	2011	12	23	8	V	0.02	0	4.2	5
180970073	2011	12	23	9	V	0.01	0	4.15	359
180970073	2011	12	23	10	V	0.03	0	3.51	1
180970073	2011	12	23	11	V	0.04	0	2.88	31
180970073	2011	12	23	12	V	0.09	0	1.94	52
180970073	2011	12	23	13	V	0.3	0	1.09	100
180970073	2011	12	23	14	V	3.4	0	1.52	233
180970073	2011	12	23	15	V	0.04	0	1.81	269
180970073	2011	12	23	16	V	7.7	0	3.3	248
180970073	2011	12	23	17	V	1.2	1.6	2.78	227
180970073	2011	12	23	18	V	1.0	0	3.17	237
180970073	2011	12	23	19	V	6.0	0	4.09	247
180970073	2011	12	23	20	V	1.8	0.5	3.91	260

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	23	21	V	6.7	8.1	4.59	248
180970073	2011	12	23	22	V	7.7	5.9	5.05	253
180970073	2011	12	23	23	V	8.0	3.9	5.02	252
180970073	2011	12	23	24	V	2.0	1	5.31	259
180970073	2011	12	24	1	V	3.5	1.6	3.98	257
180970073	2011	12	24	2	V	1.7	7.4	4.22	244
180970073	2011	12	24	3	V	1.0	5.5	3.86	229
180970073	2011	12	24	4	V	0.01	0	3.24	217
180970073	2011	12	24	5	V	0.01	0	3.32	219
180970073	2011	12	24	6	V	0.01	0	3.05	200
180970073	2011	12	24	7	V	0.02	0	2.45	184
180970073	2011	12	24	8	V	0.03	0	3.2	186
180970073	2011	12	24	9	V	0.05	0	3.37	192
180970073	2011	12	24	10	V	0.03	0.6	4.34	196
180970073	2011	12	24	11	V	0.02	0.6	4.49	202
180970073	2011	12	24	12	V	0.02	1	4.58	198
180970073	2011	12	24	13	V	0.01	1.4	5.31	195
180970073	2011	12	24	14	V	0.01	0.9	6.28	211
180970073	2011	12	24	15	V	1.2	0.6	6.55	235
180970073	2011	12	24	16	V	0.8	1	7.06	236
180970073	2011	12	24	17	V	1.0	0.4	6.14	228
180970073	2011	12	24	18	V	0.01	0.9	4.41	218
180970073	2011	12	24	19	V	0.01	0.5	4.32	210
180970073	2011	12	24	20	V	0.01	1.4	4	212
180970073	2011	12	24	21	V	0.01	0.7	3.64	216
180970073	2011	12	24	22	V	0.01	4.1	4.12	216
180970073	2011	12	24	23	V	0.01	6	4.27	221
180970073	2011	12	24	24	V	2.1	3.4	4.76	231
180970073	2011	12	25	1	V	0.3	1.9	4.2	240
180970073	2011	12	25	2	V	1.2	0.7	4.85	233
180970073	2011	12	25	3	V	1.3	0.3	4.53	233
180970073	2011	12	25	4	V	0.4	0.4	4	241
180970073	2011	12	25	5	V	0.7	1	4.05	228
180970073	2011	12	25	6	V	0.09	2	4.48	224
180970073	2011	12	25	7	V	0.6	1.8	3.63	227
180970073	2011	12	25	8	V	1.3	2.7	4.27	233
180970073	2011	12	25	9	V	0.6	2.6	5.33	225
180970073	2011	12	25	10	V	1.0	2.7	5.87	227
180970073	2011	12	25	11	V	0.9	3.9	7.11	230
180970073	2011	12	25	12	V	0.7	1.5	7.57	236
180970073	2011	12	25	13	V	1.6	1.8	8.08	250
180970073	2011	12	25	14	V	1.7	3.2	8.28	251
180970073	2011	12	25	15	V	0.01	0.6	9.27	277
180970073	2011	12	25	16	V	0.01	0	9.42	286
180970073	2011	12	25	17	V	0.01	0	8.27	289
180970073	2011	12	25	18	V	0.01	0	5.85	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	25	19	V	0.01	0	4.48	286
180970073	2011	12	25	20	V	0.01	0	3.92	284
180970073	2011	12	25	21	V	0.04	0	4.14	267
180970073	2011	12	25	22	V	0.01	0	3.64	275
180970073	2011	12	25	23	V	0.01	0	3.34	294
180970073	2011	12	25	24	V	0.01	0	2.95	297
180970073	2011	12	26	1	V	0.02	0	2.5	297
180970073	2011	12	26	2	V	0.2	0	2.49	263
180970073	2011	12	26	3	V	0.3	0	3.37	242
180970073	2011	12	26	4	V	5.2	0	3.24	247
180970073	2011	12	26	5	V	8.7	0	2.5	248
180970073	2011	12	26	6	V	0.1	0	1.21	179
180970073	2011	12	26	7	V	0.02	0	2.28	130
180970073	2011	12	26	8	V	0.07	0	1.98	146
180970073	2011	12	26	9	V	0.4	0	1.26	159
180970073	2011	12	26	10	V	0.1	0	2.64	143
180970073	2011	12	26	11	V	0.04	0.5	4.17	137
180970073	2011	12	26	12	V	0.01	0	5.38	151
180970073	2011	12	26	13	V	0.01	0	5.85	151
180970073	2011	12	26	14	V	0.005	0	5.92	143
180970073	2011	12	26	15	V	0.01	0	5.63	161
180970073	2011	12	26	16	V	0.01	0.5	4.83	147
180970073	2011	12	26	17	V	0.01	6.4	4.54	153
180970073	2011	12	26	18	V	0.01	17.1	3.12	169
180970073	2011	12	26	19	V	0.01	7.3	2.86	167
180970073	2011	12	26	20	V	0.02	2.2	2.42	173
180970073	2011	12	26	21	V	0.01	0.6	2.61	197
180970073	2011	12	26	22	V	0.05	0.1	1.55	193
180970073	2011	12	26	23	V	0.06	-999	1.48	133
180970073	2011	12	26	24	V	0.02	0	2.44	135
180970073	2011	12	27	1	V	0.01	3	3.01	140
180970073	2011	12	27	2	V	0.02	1	2.3	110
180970073	2011	12	27	3	V	0.01	0	3.37	130
180970073	2011	12	27	4	V	0.02	0	2.15	156
180970073	2011	12	27	5	V	0.01	0	2.33	70
180970073	2011	12	27	6	V	0.01	0	2.45	129
180970073	2011	12	27	7	V	0.02	0	2.01	129
180970073	2011	12	27	8	V	0.03	0	1.62	147
180970073	2011	12	27	9	V	1.4	0	1.08	218
180970073	2011	12	27	10	V	0.07	0	2.66	308
180970073	2011	12	27	11	V	0.07	0	2.74	300
180970073	2011	12	27	12	V	0.07	0	3.44	274
180970073	2011	12	27	13	V	0.9	0	3.98	264
180970073	2011	12	27	14	V	0.1	0	5.87	265
180970073	2011	12	27	15	V	0.01	0	6.99	276
180970073	2011	12	27	16	V	0.01	0	7.25	275

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	27	17	V	0.01	0	7.15	284
180970073	2011	12	27	18	V	0.01	0	7.01	290
180970073	2011	12	27	19	V	0.01	0	7.67	285
180970073	2011	12	27	20	V	0.01	0	8.25	289
180970073	2011	12	27	21	V	0.01	0	7.84	296
180970073	2011	12	27	22	V	0.01	0	7.09	296
180970073	2011	12	27	23	V	0.01	0	7.45	297
180970073	2011	12	27	24	V	0.01	0	7.16	301
180970073	2011	12	28	1	V	0.01	0	6.18	296
180970073	2011	12	28	2	V	0.01	0	6.19	292
180970073	2011	12	28	3	V	0.01	0	5.14	288
180970073	2011	12	28	4	V	0.01	0	5.05	289
180970073	2011	12	28	5	V	0.02	0	4.48	287
180970073	2011	12	28	6	V	0.03	0	4.1	281
180970073	2011	12	28	7	V	0.03	0	3.03	275
180970073	2011	12	28	8	V	0.1	0	3.42	273
180970073	2011	12	28	9	V	0.3	0	2.83	282
180970073	2011	12	28	10	V	0.2	0	2.66	289
180970073	2011	12	28	11	V	0.5	0	2.44	270
180970073	2011	12	28	12	V	3.7	-999	2.79	259
180970073	2011	12	28	13	V	5.0	3.3	3.88	254
180970073	2011	12	28	14	V	0.02	1.3	4.36	268
180970073	2011	12	28	15	V	2.8	1.1	3.23	259
180970073	2011	12	28	16	V	6.9	6.9	3.66	255
180970073	2011	12	28	17	V	10.1	6.9	4.05	237
180970073	2011	12	28	18	V	6.1	11.2	3.12	227
180970073	2011	12	28	19	V	0.04	9.6	2.86	200
180970073	2011	12	28	20	V	0.04	3.9	2.91	177
180970073	2011	12	28	21	V	0.04	1.7	3.15	168
180970073	2011	12	28	22	V	0.04	0.3	2.64	169
180970073	2011	12	28	23	V	0.03	0	3.1	176
180970073	2011	12	28	24	V	0.03	0	3.32	179
180970073	2011	12	29	1	V	0.03	0	3.76	173
180970073	2011	12	29	2	V	0.03	0	3.88	171
180970073	2011	12	29	3	V	0.03	0.1	3.66	171
180970073	2011	12	29	4	V	0.03	0.3	4.53	182
180970073	2011	12	29	5	V	0.03	0.2	4.97	185
180970073	2011	12	29	6	V	0.03	0.5	4.54	192
180970073	2011	12	29	7	V	0.03	0.1	4.71	178
180970073	2011	12	29	8	V	0.04	0.2	3.59	181
180970073	2011	12	29	9	V	0.1	0.2	3.86	187
180970073	2011	12	29	10	V	0.03	0.7	5.89	183
180970073	2011	12	29	11	V	0.02	1.1	6.26	195
180970073	2011	12	29	12	V	0.02	1.4	7.18	196
180970073	2011	12	29	13	V	0.01	1.3	7.42	199
180970073	2011	12	29	14	V	0.01	1.1	9.12	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	29	15	V	4.1	1	10.07	225
180970073	2011	12	29	16	V	4.6	1.9	10.46	226
180970073	2011	12	29	17	V	1.6	0.7	9.39	223
180970073	2011	12	29	18	V	0.4	1.1	7.57	221
180970073	2011	12	29	19	V	2.1	1.2	6.87	224
180970073	2011	12	29	20	V	24.9	0.3	5.67	232
180970073	2011	12	29	21	V	22.7	0.7	6.3	232
180970073	2011	12	29	22	V	11.6	10.2	5.34	238
180970073	2011	12	29	23	V	11.2	0.6	5.26	238
180970073	2011	12	29	24	V	17.0	1.1	4.46	231
180970073	2011	12	30	1	V	1.5	4.4	3.83	224
180970073	2011	12	30	2	V	0.03	3.6	3.63	201
180970073	2011	12	30	3	V	0.03	1.9	4.14	198
180970073	2011	12	30	4	V	0.03	1.1	4.56	198
180970073	2011	12	30	5	V	0.03	0.9	4.92	188
180970073	2011	12	30	6	V	0.03	0.4	4.66	178
180970073	2011	12	30	7	V	0.03	0	4.41	161
180970073	2011	12	30	8	V	0.04	0	5.33	147
180970073	2011	12	30	9	V	0.02	0	5.56	153
180970073	2011	12	30	10	V	0.03	0	5.58	147
180970073	2011	12	30	11	V	0.02	0.2	6.21	147
180970073	2011	12	30	12	V	0.01	0.2	7.43	161
180970073	2011	12	30	13	V	0.01	0	6.84	178
180970073	2011	12	30	14	V	0.01	0	9.05	213
180970073	2011	12	30	15	V	3.4	0	9.53	224
180970073	2011	12	30	16	V	10.1	1.4	9.95	235
180970073	2011	12	30	17	V	10.6	3.9	9.56	230
180970073	2011	12	30	18	V	11.6	8	9.08	229
180970073	2011	12	30	19	V	14.0	5.8	9.81	236
180970073	2011	12	30	20	V	4.3	0.4	9.73	246
180970073	2011	12	30	21	V	5.4	0.5	7.93	254
180970073	2011	12	30	22	V	4.7	0.1	9.8	255
180970073	2011	12	30	23	V	6.1	0.7	7.65	251
180970073	2011	12	30	24	V	5.8	0.5	8.06	253
180970073	2011	12	31	1	V	6.1	0.8	7.55	252
180970073	2011	12	31	2	V	5.6	0	7.08	254
180970073	2011	12	31	3	V	0.7	0	7.2	263
180970073	2011	12	31	4	V	0.01	0	6.87	275
180970073	2011	12	31	5	V	0.01	0	6.26	281
180970073	2011	12	31	6	V	0.01	0	5.58	283
180970073	2011	12	31	7	V	0.01	0	3.68	279
180970073	2011	12	31	8	V	0.04	0	4.68	271
180970073	2011	12	31	9	V	0.05	0	3.69	272
180970073	2011	12	31	10	V	4.9	0	3.93	246
180970073	2011	12	31	11	V	5.5	0	3.25	245
180970073	2011	12	31	12	V	4.0	0	3.32	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2011	12	31	13	V	0.8	0.2	3.47	221
180970073	2011	12	31	14	V	0.05	0	3.35	211
180970073	2011	12	31	15	V	0.02	0	4.25	179
180970073	2011	12	31	16	V	0.01	0	4.71	164
180970073	2011	12	31	17	V	0.01	0	4.95	169
180970073	2011	12	31	18	V	0.01	0	4.92	172
180970073	2011	12	31	19	V	0.01	0	3.36	143
180970073	2011	12	31	20	V	0.01	0	4.86	127
180970073	2011	12	31	21	V	0.01	0	4.86	119
180970073	2011	12	31	22	V	0.01	0	5.36	132
180970073	2011	12	31	23	V	0.01	0	6.46	154
180970073	2011	12	31	24	V	0.01	0	5.36	178
180970073	2012	1	1	1	V	0.01	0	5.36	141
180970073	2012	1	1	2	V	0.01	0.2	4.36	158
180970073	2012	1	1	3	V	0.01	0.2	4.36	154
180970073	2012	1	1	4	V	0.01	0	3.23	149
180970073	2012	1	1	5	V	0.01	0	4.07	151
180970073	2012	1	1	6	V	0.01	0	4.12	164
180970073	2012	1	1	7	V	0.01	0	8.15	214
180970073	2012	1	1	8	V	1.8	0	11.77	243
180970073	2012	1	1	9	V	0.06	0	12.82	263
180970073	2012	1	1	10	V	1.5	1.6	12.06	252
180970073	2012	1	1	11	V	0.1	0.4	11.77	262
180970073	2012	1	1	12	V	0.001	0	11.24	273
180970073	2012	1	1	13	V	0.001	0	10.8	274
180970073	2012	1	1	14	V	0.01	0	11.41	267
180970073	2012	1	1	15	V	0.05	0	11.92	269
180970073	2012	1	1	16	V	0.07	0	12.33	268
180970073	2012	1	1	17	V	0.01	0	13.3	277
180970073	2012	1	1	18	V	0.01	0	12.62	285
180970073	2012	1	1	19	V	0.01	0	11.97	283
180970073	2012	1	1	20	V	0.01	0	11.07	283
180970073	2012	1	1	21	V	0.01	0	10.31	283
180970073	2012	1	1	22	V	0.01	0	9.88	289
180970073	2012	1	1	23	V	0.01	0	9.78	285
180970073	2012	1	1	24	V	0.01	0	11.6	288
180970073	2012	1	2	1	V	0.01	0	10.37	285
180970073	2012	1	2	2	V	0.01	0	10.56	286
180970073	2012	1	2	3	V	0.01	0	10.36	285
180970073	2012	1	2	4	V	0.01	0	8.74	282
180970073	2012	1	2	5	V	0.01	0	8.47	280
180970073	2012	1	2	6	V	0.01	0	9.51	288
180970073	2012	1	2	7	V	0.01	0	10.38	283
180970073	2012	1	2	8	V	0.01	0	9.9	289
180970073	2012	1	2	9	V	0.001	0	10.22	294
180970073	2012	1	2	10	V	0.001	0	10.02	292

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	2	11	V	0.002	0	8.98	290
180970073	2012	1	2	12	V	0.002	0	8.5	290
180970073	2012	1	2	13	V	0.002	0	8.67	289
180970073	2012	1	2	14	V	0.002	0	9.39	301
180970073	2012	1	2	15	V	0.01	0	8.08	305
180970073	2012	1	2	16	V	0.01	0	8.83	307
180970073	2012	1	2	17	V	0.01	0	8.32	305
180970073	2012	1	2	18	V	0.01	0	7.15	304
180970073	2012	1	2	19	V	0.01	0	6.77	297
180970073	2012	1	2	20	V	0.01	0	7.06	299
180970073	2012	1	2	21	V	0.01	0	7.37	305
180970073	2012	1	2	22	V	0.01	0	7.52	305
180970073	2012	1	2	23	V	0.01	-999	7.21	301
180970073	2012	1	2	24	V	0.01	0	6.65	300
180970073	2012	1	3	1	V	0.01	0	7.13	302
180970073	2012	1	3	2	V	0.01	0	6.72	304
180970073	2012	1	3	3	V	0.01	0	6.75	304
180970073	2012	1	3	4	V	0.01	0	7.09	303
180970073	2012	1	3	5	V	0.01	0	6.28	304
180970073	2012	1	3	6	V	0.01	0	5.26	303
180970073	2012	1	3	7	V	0.02	0	4.2	299
180970073	2012	1	3	8	V	0.05	0	4.05	284
180970073	2012	1	3	9	V	0.09	0	4	277
180970073	2012	1	3	10	V	0.04	0	5.19	291
180970073	2012	1	3	11	V	0.02	0	5.77	290
180970073	2012	1	3	12	V	0.03	0	5.04	294
180970073	2012	1	3	13	V	0.04	0	4.61	280
180970073	2012	1	3	14	V	0.2	0.9	4.77	265
180970073	2012	1	3	15	V	0.04	0	4	271
180970073	2012	1	3	16	V	2.3	0.1	3.97	258
180970073	2012	1	3	17	V	6.3	9.2	3.98	248
180970073	2012	1	3	18	V	0.8	2.6	3.3	225
180970073	2012	1	3	19	V	0.02	0.9	3.03	202
180970073	2012	1	3	20	V	0.02	0.7	3.59	176
180970073	2012	1	3	21	V	0.02	1.6	3.9	171
180970073	2012	1	3	22	V	0.02	0.8	4.36	177
180970073	2012	1	3	23	V	0.02	0.5	5.31	187
180970073	2012	1	3	24	V	0.02	1.3	5.7	187
180970073	2012	1	4	1	V	0.02	1.4	5.55	197
180970073	2012	1	4	2	V	0.01	1.5	5.09	188
180970073	2012	1	4	3	V	0.02	1.7	5.36	182
180970073	2012	1	4	4	V	0.02	1.5	5	188
180970073	2012	1	4	5	V	0.02	1.4	5.5	200
180970073	2012	1	4	6	V	0.02	1.4	5.17	203
180970073	2012	1	4	7	V	0.02	1.1	4.6	205
180970073	2012	1	4	8	V	0.02	1.5	4.83	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	4	9	V	0.04	1.6	4.71	210
180970073	2012	1	4	10	V	0.02	1.7	6.45	206
180970073	2012	1	4	11	V	8.1	6.5	5.85	233
180970073	2012	1	4	12	V	5.6	8.1	6.91	235
180970073	2012	1	4	13	V	1.9	4.2	7.23	239
180970073	2012	1	4	14	V	1.6	4.6	6.63	240
180970073	2012	1	4	15	V	5.6	3.3	6.77	239
180970073	2012	1	4	16	V	2.5	5.2	6.7	244
180970073	2012	1	4	17	V	4.0	2.9	6.47	240
180970073	2012	1	4	18	V	4.3	2	5.12	239
180970073	2012	1	4	19	V	3.0	1.6	4	240
180970073	2012	1	4	20	V	2.0	1.1	4.32	244
180970073	2012	1	4	21	V	1.3	3.3	4.9	260
180970073	2012	1	4	22	V	0.02	1	4.42	287
180970073	2012	1	4	23	V	0.01	0.2	4.05	285
180970073	2012	1	4	24	V	0.01	0	4.22	280
180970073	2012	1	5	1	V	0.01	0	4.05	283
180970073	2012	1	5	2	V	0.01	0	3.69	280
180970073	2012	1	5	3	V	0.5	0	3.1	243
180970073	2012	1	5	4	V	4.6	0	2.84	228
180970073	2012	1	5	5	V	0.6	0	3.01	225
180970073	2012	1	5	6	V	2.3	0	3.35	227
180970073	2012	1	5	7	V	0.02	0.7	3.46	220
180970073	2012	1	5	8	V	0.09	1.4	3.44	211
180970073	2012	1	5	9	V	0.1	1.6	3.39	196
180970073	2012	1	5	10	V	0.2	1.7	3.32	207
180970073	2012	1	5	11	V	0.03	3	5.44	194
180970073	2012	1	5	12	V	0.02	5.3	5.9	201
180970073	2012	1	5	13	V	0.03	3.3	6.4	214
180970073	2012	1	5	14	V	1.1	2.1	8.57	225
180970073	2012	1	5	15	V	11.2	2.7	7.94	232
180970073	2012	1	5	16	V	4.2	9.2	7.3	226
180970073	2012	1	5	17	V	1.1	15.5	6.19	223
180970073	2012	1	5	18	V	0.2	3.1	5.31	222
180970073	2012	1	5	19	V	0.02	2.3	4.95	216
180970073	2012	1	5	20	V	0.01	2.1	4.46	213
180970073	2012	1	5	21	V	0.01	1.7	4.58	216
180970073	2012	1	5	22	V	0.1	2.7	6.25	221
180970073	2012	1	5	23	V	0.3	3	6.53	222
180970073	2012	1	5	24	V	6.1	3	7.18	230
180970073	2012	1	6	1	V	8.0	2.5	6.43	233
180970073	2012	1	6	2	V	7.6	2.1	5.92	231
180970073	2012	1	6	3	V	5.2	1.9	6.3	229
180970073	2012	1	6	4	V	5.3	1.8	6.04	229
180970073	2012	1	6	5	V	4.0	1.3	5.12	228
180970073	2012	1	6	6	V	0.02	1.3	4.36	220

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	6	7	V	0.01	1.1	3.8	206
180970073	2012	1	6	8	V	0.02	0.9	4.78	208
180970073	2012	1	6	9	V	0.08	1.3	4.31	213
180970073	2012	1	6	10	V	1.0	1.5	4.42	220
180970073	2012	1	6	11	V	0.6	1.6	7.18	223
180970073	2012	1	6	12	V	0.1	1.8	8.27	221
180970073	2012	1	6	13	V	0.03	1.7	8.15	222
180970073	2012	1	6	14	V	0.05	1.3	8.06	224
180970073	2012	1	6	15	V	0.3	1.8	7.81	226
180970073	2012	1	6	16	V	0.01	1.3	6.82	220
180970073	2012	1	6	17	V	0.01	1.2	4.71	217
180970073	2012	1	6	18	V	0.01	2.1	3.42	212
180970073	2012	1	6	19	V	0.01	4	4.43	219
180970073	2012	1	6	20	V	0.01	3	4.39	217
180970073	2012	1	6	21	V	0.8	1.1	3.54	234
180970073	2012	1	6	22	V	0.3	0.4	4.27	238
180970073	2012	1	6	23	V	0.3	0.4	4.93	238
180970073	2012	1	6	24	V	0.8	1.3	4.9	242
180970073	2012	1	7	1	V	1.2	1.7	4.88	243
180970073	2012	1	7	2	V	8.7	9.6	4.09	250
180970073	2012	1	7	3	V	8.7	6.6	3.88	253
180970073	2012	1	7	4	V	0.01	0.9	5.6	294
180970073	2012	1	7	5	V	0.01	0.4	4.19	300
180970073	2012	1	7	6	V	0.01	0	2.74	297
180970073	2012	1	7	7	V	0.01	0	2.74	283
180970073	2012	1	7	8	V	0.02	0	3.34	275
180970073	2012	1	7	9	V	0.03	0	3.68	285
180970073	2012	1	7	10	V	0.03	0.1	4.05	287
180970073	2012	1	7	11	V	0.02	0	4.53	300
180970073	2012	1	7	12	V	0.02	0	4.61	294
180970073	2012	1	7	13	V	0.01	0	5.29	286
180970073	2012	1	7	14	V	0.01	0	5.51	288
180970073	2012	1	7	15	V	0.01	0	5.05	291
180970073	2012	1	7	16	V	0.01	0	5.16	293
180970073	2012	1	7	17	V	0.01	0	4.44	304
180970073	2012	1	7	18	V	0.01	0	4.1	323
180970073	2012	1	7	19	V	0.01	0	2.98	324
180970073	2012	1	7	20	V	0.01	0	2.27	327
180970073	2012	1	7	21	V	0.02	0	2.23	319
180970073	2012	1	7	22	V	0.01	0	2.42	315
180970073	2012	1	7	23	V	0.01	0	2.84	331
180970073	2012	1	7	24	V	0.01	0	3.29	344
180970073	2012	1	8	1	V	0.01	0	2.52	14
180970073	2012	1	8	2	V	0.01	0	2.74	29
180970073	2012	1	8	3	V	0.01	0	3.2	35
180970073	2012	1	8	4	V	0.01	0	2.79	53

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	8	5	V	0.01	0	3.1	48
180970073	2012	1	8	6	V	0.01	0	2.64	62
180970073	2012	1	8	7	V	0.01	0	3.1	62
180970073	2012	1	8	8	V	0.04	0	2.5	49
180970073	2012	1	8	9	V	0.09	0	1.93	55
180970073	2012	1	8	10	V	0.07	0	2.67	57
180970073	2012	1	8	11	V	0.04	0	3.46	87
180970073	2012	1	8	12	V	0.06	0	3.07	90
180970073	2012	1	8	13	V	0.02	0	3.73	83
180970073	2012	1	8	14	V	0.02	0	3	85
180970073	2012	1	8	15	V	0.02	0	2.81	98
180970073	2012	1	8	16	V	0.01	0	2.86	81
180970073	2012	1	8	17	V	0.01	0	3.07	100
180970073	2012	1	8	18	V	0.01	0	2.33	112
180970073	2012	1	8	19	V	0.01	0	2.32	76
180970073	2012	1	8	20	V	0.01	0	3.12	39
180970073	2012	1	8	21	V	0.01	0	2.67	43
180970073	2012	1	8	22	V	0.01	0	2.49	37
180970073	2012	1	8	23	V	0.01	0	2.45	52
180970073	2012	1	8	24	V	0.01	0	2.2	68
180970073	2012	1	9	1	V	0.02	0	2.01	91
180970073	2012	1	9	2	V	0.01	0	2.25	66
180970073	2012	1	9	3	V	0.02	0	1.81	63
180970073	2012	1	9	4	V	0.02	0	1.7	42
180970073	2012	1	9	5	V	0.03	0	1.54	66
180970073	2012	1	9	6	V	0.03	0	1.65	109
180970073	2012	1	9	7	V	0.03	0	1.74	32
180970073	2012	1	9	8	V	0.07	0.4	1.76	16
180970073	2012	1	9	9	V	0.3	0.8	1.3	112
180970073	2012	1	9	10	V	0.1	1.4	1.96	158
180970073	2012	1	9	11	V	0.1	10.2	2.16	201
180970073	2012	1	9	12	V	0.9	9.4	2.42	227
180970073	2012	1	9	13	V	6.1	9.2	2.57	249
180970073	2012	1	9	14	V	4.6	13.6	2.72	246
180970073	2012	1	9	15	V	4.0	6.2	3.98	245
180970073	2012	1	9	16	V	1.0	3.8	5.38	242
180970073	2012	1	9	17	V	0.4	3.3	5.99	237
180970073	2012	1	9	18	V	0.5	2.9	5.44	236
180970073	2012	1	9	19	V	0.5	3	4.51	241
180970073	2012	1	9	20	V	3.6	13.1	4.32	246
180970073	2012	1	9	21	V	0.6	20.2	4.1	242
180970073	2012	1	9	22	V	0.8	18.2	3.78	243
180970073	2012	1	9	23	V	0.4	-999	4.22	241
180970073	2012	1	9	24	V	6.2	3.4	4.2	248
180970073	2012	1	10	1	V	0.5	2	3.46	234
180970073	2012	1	10	2	V	0.5	2.7	3.69	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	10	3	V	0.4	1.5	3.83	235
180970073	2012	1	10	4	V	0.5	0.8	3.76	230
180970073	2012	1	10	5	V	0.3	1.3	4.12	240
180970073	2012	1	10	6	V	9.5	1.4	3.03	249
180970073	2012	1	10	7	V	0.6	0.6	2.94	228
180970073	2012	1	10	8	V	0.8	0.9	3.56	236
180970073	2012	1	10	9	V	2.0	1.9	3.68	240
180970073	2012	1	10	10	V	3.6	6.9	3.64	243
180970073	2012	1	10	11	V	0.1	10	2.67	278
180970073	2012	1	10	12	V	0.5	4.5	1.99	277
180970073	2012	1	10	13	V	4.4	8.4	1.86	262
180970073	2012	1	10	14	V	0.2	9.4	3.29	218
180970073	2012	1	10	15	V	0.01	4	3.35	208
180970073	2012	1	10	16	V	0.01	2.9	2.67	200
180970073	2012	1	10	17	V	1.3	1.3	1.96	230
180970073	2012	1	10	18	V	0.06	1.1	1.38	188
180970073	2012	1	10	19	V	0.04	1.5	1.54	82
180970073	2012	1	10	20	V	0.02	1.4	2.39	110
180970073	2012	1	10	21	V	0.01	1	2.83	107
180970073	2012	1	10	22	V	0.01	0.8	2.91	87
180970073	2012	1	10	23	V	0.01	0.6	3.47	119
180970073	2012	1	10	24	V	0.01	1.4	2.74	110
180970073	2012	1	11	1	V	0.01	1.3	2.78	124
180970073	2012	1	11	2	V	0.01	2	2.83	113
180970073	2012	1	11	3	V	0.01	2	3.61	99
180970073	2012	1	11	4	V	0.01	1.6	3.25	97
180970073	2012	1	11	5	V	0.01	6.4	2.89	103
180970073	2012	1	11	6	V	0.01	11.5	2.91	94
180970073	2012	1	11	7	V	0.01	21.4	3.34	108
180970073	2012	1	11	8	V	0.02	11.2	2.88	109
180970073	2012	1	11	9	V	0.02	4.5	3.68	81
180970073	2012	1	11	10	V	0.01	2.3	4.77	82
180970073	2012	1	11	11	V	0.01	0.9	4.75	87
180970073	2012	1	11	12	V	0.01	0.1	4.66	75
180970073	2012	1	11	13	V	0.02	0	4.1	61
180970073	2012	1	11	14	V	0.03	0	3.24	50
180970073	2012	1	11	15	V	0.01	0	3.35	29
180970073	2012	1	11	16	V	0.01	0	3.85	13
180970073	2012	1	11	17	V	0.01	0	4.05	17
180970073	2012	1	11	18	V	0.01	0	3.41	7
180970073	2012	1	11	19	V	0.01	0	3.76	357
180970073	2012	1	11	20	V	0.01	0	3.73	359
180970073	2012	1	11	21	V	0.01	0	2.98	350
180970073	2012	1	11	22	V	0.01	0	4.36	316
180970073	2012	1	11	23	V	0.01	0	5.13	316
180970073	2012	1	11	24	V	0.01	0	3.93	305

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	12	1	V	0.01	0	3.18	287
180970073	2012	1	12	2	V	0.03	0	3.25	268
180970073	2012	1	12	3	V	0.4	0	3.64	263
180970073	2012	1	12	4	V	7.2	0	3.51	254
180970073	2012	1	12	5	V	7.7	0	4.22	252
180970073	2012	1	12	6	V	6.8	0	4.56	249
180970073	2012	1	12	7	V	0.1	1.5	6.53	267
180970073	2012	1	12	8	V	0.02	0.2	5.68	273
180970073	2012	1	12	9	V	0.04	0	5.46	265
180970073	2012	1	12	10	V	0.01	0	6.19	268
180970073	2012	1	12	11	V	0.04	0	6.62	265
180970073	2012	1	12	12	V	2.3	0	6.6	254
180970073	2012	1	12	13	V	1.6	1.6	8.95	254
180970073	2012	1	12	14	V	1.2	4.3	8.73	256
180970073	2012	1	12	15	V	2.1	2	10.03	259
180970073	2012	1	12	16	V	3.7	2.2	10.68	256
180970073	2012	1	12	17	V	2.5	1.8	9.97	258
180970073	2012	1	12	18	V	2.5	0.3	9.9	258
180970073	2012	1	12	19	V	4.5	1.9	11.97	254
180970073	2012	1	12	20	V	5.0	3.3	10.94	252
180970073	2012	1	12	21	V	4.7	4.1	10.92	249
180970073	2012	1	12	22	V	2.7	2.7	9.86	245
180970073	2012	1	12	23	V	0.9	1	9.54	241
180970073	2012	1	12	24	V	1.7	1.4	10.09	243
180970073	2012	1	13	1	V	0.5	0.9	9.85	239
180970073	2012	1	13	2	V	0.9	0.2	9.92	241
180970073	2012	1	13	3	V	3.8	2.2	10.56	247
180970073	2012	1	13	4	V	5.1	10.7	10.53	251
180970073	2012	1	13	5	V	4.1	3.5	10.1	255
180970073	2012	1	13	6	V	4.5	1.8	10.21	254
180970073	2012	1	13	7	V	4.5	1	10.72	254
180970073	2012	1	13	8	V	1.1	1.2	10.31	253
180970073	2012	1	13	9	V	1.7	1.6	9.13	253
180970073	2012	1	13	10	V	1.8	3.5	9.27	252
180970073	2012	1	13	11	V	1.7	3.6	9.34	253
180970073	2012	1	13	12	V	1.1	1	9.64	256
180970073	2012	1	13	13	V	1.3	3.3	9.66	255
180970073	2012	1	13	14	V	0.9	1.6	9.2	257
180970073	2012	1	13	15	V	4.9	3.4	9.08	250
180970073	2012	1	13	16	V	4.9	6.6	9.07	250
180970073	2012	1	13	17	V	5.1	10	8.39	252
180970073	2012	1	13	18	V	5.3	5.6	7.45	251
180970073	2012	1	13	19	V	1.7	7.1	6.53	243
180970073	2012	1	13	20	V	2.9	3	6.14	245
180970073	2012	1	13	21	V	3.7	11.3	5.97	246
180970073	2012	1	13	22	V	5.0	14.7	5.94	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	13	23	V	5.7	5	6.18	250
180970073	2012	1	13	24	V	4.0	3.1	5.04	246
180970073	2012	1	14	1	V	3.2	10.7	4.92	245
180970073	2012	1	14	2	V	7.1	8.4	4.51	250
180970073	2012	1	14	3	V	1.7	4.1	4.41	260
180970073	2012	1	14	4	V	0.04	1.2	4.76	269
180970073	2012	1	14	5	V	0.8	1.7	3.13	242
180970073	2012	1	14	6	V	11.1	1.2	2.35	251
180970073	2012	1	14	7	V	0.9	0.9	1.82	234
180970073	2012	1	14	8	V	0.02	1.8	2.55	211
180970073	2012	1	14	9	V	0.02	1.2	3.78	207
180970073	2012	1	14	10	V	0.04	0.8	4.05	212
180970073	2012	1	14	11	V	3.7	1.9	3.18	244
180970073	2012	1	14	12	V	1.9	5	2.4	236
180970073	2012	1	14	13	V	6.1	6.2	1.08	247
180970073	2012	1	14	14	V	0.3	6.9	1.04	157
180970073	2012	1	14	15	V	0.07	11.4	1.16	60
180970073	2012	1	14	16	V	0.2	3.3	0.86	340
180970073	2012	1	14	17	V	0.04	0.6	1.47	330
180970073	2012	1	14	18	V	0.01	0.3	3.07	337
180970073	2012	1	14	19	V	0.01	0.7	3.32	329
180970073	2012	1	14	20	V	0.01	0.3	2.69	322
180970073	2012	1	14	21	V	0.01	0.2	2.62	318
180970073	2012	1	14	22	V	0.01	0.6	3.27	319
180970073	2012	1	14	23	V	0.01	0.6	2.84	315
180970073	2012	1	14	24	V	0.02	0.2	2.21	303
180970073	2012	1	15	1	V	0.02	0.2	1.89	305
180970073	2012	1	15	2	V	0.06	0.3	1.4	298
180970073	2012	1	15	3	V	0.03	0.2	1.77	271
180970073	2012	1	15	4	V	0.3	0.2	1.91	264
180970073	2012	1	15	5	V	4.6	0.3	1.48	245
180970073	2012	1	15	6	V	0.06	0.3	1.35	203
180970073	2012	1	15	7	V	0.04	0.3	1.59	195
180970073	2012	1	15	8	V	0.1	0.3	1.45	161
180970073	2012	1	15	9	V	0.1	0.6	1.57	163
180970073	2012	1	15	10	V	0.05	0.5	3.2	170
180970073	2012	1	15	11	V	0.03	2.1	3.95	144
180970073	2012	1	15	12	V	0.02	2.1	4.19	164
180970073	2012	1	15	13	V	0.02	1.8	4.14	168
180970073	2012	1	15	14	V	0.03	1.2	3.86	164
180970073	2012	1	15	15	V	0.01	1	3.95	151
180970073	2012	1	15	16	V	0.01	0.8	5.02	156
180970073	2012	1	15	17	V	0.01	0.5	4.88	141
180970073	2012	1	15	18	V	0.01	0.5	4.85	140
180970073	2012	1	15	19	V	0.01	0.6	5.39	136
180970073	2012	1	15	20	V	0.01	0.3	6.02	140

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	15	21	V	0.01	0.2	6.36	149
180970073	2012	1	15	22	V	0.01	0.4	5.9	144
180970073	2012	1	15	23	V	0.01	0.4	5.89	147
180970073	2012	1	15	24	V	0.01	0.6	5.75	152
180970073	2012	1	16	1	V	0.01	0.3	5.12	143
180970073	2012	1	16	2	V	0.01	0.4	4	146
180970073	2012	1	16	3	V	0.01	0.5	4.54	153
180970073	2012	1	16	4	V	0.01	0.7	4.1	153
180970073	2012	1	16	5	V	0.01	0.5	4.32	155
180970073	2012	1	16	6	V	0.01	0.7	3.35	144
180970073	2012	1	16	7	V	0.02	0.6	3.63	136
180970073	2012	1	16	8	V	0.04	0.8	3.63	138
180970073	2012	1	16	9	V	0.07	1	3.71	137
180970073	2012	1	16	10	V	0.07	1	3.63	141
180970073	2012	1	16	11	V	0.08	1	3.4	141
180970073	2012	1	16	12	V	0.08	0.9	3.57	137
180970073	2012	1	16	13	V	0.07	1.6	3.83	159
180970073	2012	1	16	14	V	0.01	2.2	7.04	191
180970073	2012	1	16	15	V	0.02	1.4	8.23	193
180970073	2012	1	16	16	V	0.02	0.6	5.92	177
180970073	2012	1	16	17	V	0.02	0	4.83	169
180970073	2012	1	16	18	V	0.02	0	3.85	164
180970073	2012	1	16	19	V	0.03	0	4.19	157
180970073	2012	1	16	20	V	0.03	0	4.26	165
180970073	2012	1	16	21	V	0.02	0	4.37	179
180970073	2012	1	16	22	V	0.02	0	6.72	195
180970073	2012	1	16	23	V	0.02	-999	7.37	201
180970073	2012	1	16	24	V	0.02	0	7.55	207
180970073	2012	1	17	1	V	0.02	0	7.89	208
180970073	2012	1	17	2	V	0.02	0	7.69	207
180970073	2012	1	17	3	V	0.02	0	7.98	206
180970073	2012	1	17	4	V	0.01	0	8.59	193
180970073	2012	1	17	5	V	0.01	0	9.39	196
180970073	2012	1	17	6	V	0.01	0	10.46	197
180970073	2012	1	17	7	V	3.2	0.7	10.05	245
180970073	2012	1	17	8	V	0.02	1.3	5.62	201
180970073	2012	1	17	9	V	0.01	0	7.59	211
180970073	2012	1	17	10	V	0.03	0.1	6.64	217
180970073	2012	1	17	11	V	2.1	1.2	9.24	232
180970073	2012	1	17	12	V	0.4	1.5	11.82	259
180970073	2012	1	17	13	V	0.01	0.4	13.64	267
180970073	2012	1	17	14	V	0.002	0	13.77	275
180970073	2012	1	17	15	V	0.01	0	13.18	276
180970073	2012	1	17	16	V	0.01	0	12.43	286
180970073	2012	1	17	17	V	0.01	0	11.19	284
180970073	2012	1	17	18	V	0.01	0	10.27	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	17	19	V	0.02	0	9.93	291
180970073	2012	1	17	20	V	0.02	0	9.8	290
180970073	2012	1	17	21	V	0.02	0	10.24	291
180970073	2012	1	17	22	V	0.02	0	8.61	297
180970073	2012	1	17	23	V	0.01	0	9.56	311
180970073	2012	1	17	24	V	0.01	0	7.85	305
180970073	2012	1	18	1	V	0.02	0	6.74	319
180970073	2012	1	18	2	V	0.02	0	6.81	322
180970073	2012	1	18	3	V	0.02	0	6.04	309
180970073	2012	1	18	4	V	0.02	0	5.79	305
180970073	2012	1	18	5	V	0.02	0	5.58	305
180970073	2012	1	18	6	V	0.02	0	4.85	336
180970073	2012	1	18	7	V	0.02	0	4.34	339
180970073	2012	1	18	8	V	0.03	0	3.91	328
180970073	2012	1	18	9	V	0.3	0	2.56	291
180970073	2012	1	18	10	V	4.7	0.6	2.96	259
180970073	2012	1	18	11	V	14.6	8.5	1.42	225
180970073	2012	1	18	12	V	3.2	10.2	1.99	266
180970073	2012	1	18	13	V	0.8	11.8	1.48	279
180970073	2012	1	18	14	V	3.4	17.2	1.91	219
180970073	2012	1	18	15	V	0.03	5.2	3.05	205
180970073	2012	1	18	16	V	0.02	0.5	3.22	172
180970073	2012	1	18	17	V	0.02	1.2	3.13	159
180970073	2012	1	18	18	V	0.03	0.1	2.71	158
180970073	2012	1	18	19	V	0.02	0	3.95	142
180970073	2012	1	18	20	V	0.02	0	3.47	148
180970073	2012	1	18	21	V	0.02	0	3.9	146
180970073	2012	1	18	22	V	0.02	0	5.14	158
180970073	2012	1	18	23	V	0.02	0	4.49	162
180970073	2012	1	18	24	V	0.01	0	5.22	184
180970073	2012	1	19	1	V	0.01	0	4.9	195
180970073	2012	1	19	2	V	0.02	0.7	4.53	185
180970073	2012	1	19	3	V	0.02	2.7	5.34	193
180970073	2012	1	19	4	V	0.02	3.1	5.68	196
180970073	2012	1	19	5	V	0.02	3	5.56	206
180970073	2012	1	19	6	V	0.02	3	4.9	201
180970073	2012	1	19	7	V	0.02	2.9	4.61	203
180970073	2012	1	19	8	V	0.06	2.9	5.62	215
180970073	2012	1	19	9	V	3.8	3.9	7.45	229
180970073	2012	1	19	10	V	1.5	8.5	6.86	242
180970073	2012	1	19	11	V	3.3	9.3	5.41	252
180970073	2012	1	19	12	V	2.6	3.2	5.29	256
180970073	2012	1	19	13	V	0.02	1.8	5.85	287
180970073	2012	1	19	14	V	0.01	0.6	6.7	300
180970073	2012	1	19	15	V	0.01	0.2	5.89	313
180970073	2012	1	19	16	V	0.02	0.2	6.7	325

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	19	17	V	0.02	0	6.31	328
180970073	2012	1	19	18	V	0.02	0	5.5	321
180970073	2012	1	19	19	V	0.02	0	6.19	330
180970073	2012	1	19	20	V	0.02	0.3	5.75	322
180970073	2012	1	19	21	V	0.02	0.5	5.53	320
180970073	2012	1	19	22	V	0.02	1.2	4.36	1
180970073	2012	1	19	23	V	0.02	1	3.32	25
180970073	2012	1	19	24	V	0.02	0.5	3.39	22
180970073	2012	1	20	1	V	0.02	0.5	2.84	29
180970073	2012	1	20	2	V	0.02	0.5	2.91	25
180970073	2012	1	20	3	V	0.02	0.6	3.68	33
180970073	2012	1	20	4	V	0.02	0.4	3.39	44
180970073	2012	1	20	5	V	0.02	0.5	3.39	64
180970073	2012	1	20	6	V	0.02	1.6	4.12	77
180970073	2012	1	20	7	V	0.02	1.2	5.22	79
180970073	2012	1	20	8	V	0.03	0.8	5.24	80
180970073	2012	1	20	9	V	0.02	0.3	5.43	85
180970073	2012	1	20	10	V	0.03	0.3	5.14	86
180970073	2012	1	20	11	V	0.02	0.8	5.46	87
180970073	2012	1	20	12	V	0.02	0.8	5.58	94
180970073	2012	1	20	13	V	0.03	1	5.19	90
180970073	2012	1	20	14	V	0.02	0.7	5.39	98
180970073	2012	1	20	15	V	0.03	0.9	5.17	74
180970073	2012	1	20	16	V	0.03	1	5.7	74
180970073	2012	1	20	17	V	0.02	1	5.07	77
180970073	2012	1	20	18	V	0.02	1.1	5.33	68
180970073	2012	1	20	19	V	0.02	0.9	6.18	55
180970073	2012	1	20	20	V	0.02	0.9	6.28	54
180970073	2012	1	20	21	V	0.02	0.7	5.82	59
180970073	2012	1	20	22	V	0.02	0.7	5.62	49
180970073	2012	1	20	23	V	0.02	0.8	5.27	36
180970073	2012	1	20	24	V	0.02	0.8	5.09	33
180970073	2012	1	21	1	V	0.02	1	6.36	21
180970073	2012	1	21	2	V	0.02	1.2	7.01	39
180970073	2012	1	21	3	V	0.02	1.5	4.63	43
180970073	2012	1	21	4	V	0.02	1.6	4.95	15
180970073	2012	1	21	5	V	0.02	1.6	5.26	11
180970073	2012	1	21	6	V	0.02	1.7	5.38	10
180970073	2012	1	21	7	V	0.02	1.9	5.87	13
180970073	2012	1	21	8	V	0.03	2.9	6.02	30
180970073	2012	1	21	9	V	0.01	4.2	6.38	32
180970073	2012	1	21	10	V	0.02	5.8	5.62	36
180970073	2012	1	21	11	V	0.04	6.5	5.05	38
180970073	2012	1	21	12	V	0.04	5.7	4.87	41
180970073	2012	1	21	13	V	0.04	4.4	4.83	46
180970073	2012	1	21	14	V	0.03	4.1	4.7	49

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	21	15	V	0.03	3.1	5	72
180970073	2012	1	21	16	V	0.02	3.1	4.94	82
180970073	2012	1	21	17	V	0.02	3.2	4.19	73
180970073	2012	1	21	18	V	0.02	3	4.75	79
180970073	2012	1	21	19	V	0.03	2.3	4.99	82
180970073	2012	1	21	20	V	0.03	2.2	4.83	89
180970073	2012	1	21	21	V	0.02	2.2	5.63	84
180970073	2012	1	21	22	V	0.02	2.8	5.22	93
180970073	2012	1	21	23	V	0.02	2.5	6.14	110
180970073	2012	1	21	24	V	0.02	2.1	5.92	114
180970073	2012	1	22	1	V	0.02	1.7	6.04	120
180970073	2012	1	22	2	V	0.02	1.8	6.74	123
180970073	2012	1	22	3	V	0.02	1.1	6.65	127
180970073	2012	1	22	4	V	0.02	2.2	6.33	132
180970073	2012	1	22	5	V	0.02	5.8	5.85	143
180970073	2012	1	22	6	V	0.02	6.1	5.58	138
180970073	2012	1	22	7	V	0.02	1.7	4.99	132
180970073	2012	1	22	8	V	0.03	1.5	6.13	134
180970073	2012	1	22	9	V	0.02	1.4	5.17	131
180970073	2012	1	22	10	V	0.04	1.4	4.39	148
180970073	2012	1	22	11	V	0.02	1.7	5.5	154
180970073	2012	1	22	12	V	0.02	1.7	5.68	152
180970073	2012	1	22	13	V	0.01	1.9	5.72	148
180970073	2012	1	22	14	V	0.01	2.1	6.12	146
180970073	2012	1	22	15	V	0.03	1.9	6.16	137
180970073	2012	1	22	16	V	0.02	1.7	5.04	137
180970073	2012	1	22	17	V	0.03	1.3	4.85	132
180970073	2012	1	22	18	V	0.03	1.1	4.9	132
180970073	2012	1	22	19	V	0.03	1.2	5.44	135
180970073	2012	1	22	20	V	0.03	1	6.11	139
180970073	2012	1	22	21	V	0.02	1.1	7.04	140
180970073	2012	1	22	22	V	0.02	1.5	7.64	142
180970073	2012	1	22	23	V	0.02	1.9	7.79	141
180970073	2012	1	22	24	V	0.02	1.7	8.15	138
180970073	2012	1	23	1	V	0.01	1.2	8.86	143
180970073	2012	1	23	2	V	0.01	1.1	9.54	174
180970073	2012	1	23	3	V	0.01	0.7	6.69	216
180970073	2012	1	23	4	V	0.01	0.6	6.81	144
180970073	2012	1	23	5	V	0.01	0.5	8.08	150
180970073	2012	1	23	6	V	0.01	0.3	7.35	150
180970073	2012	1	23	7	V	0.01	0.3	6.99	158
180970073	2012	1	23	8	V	0.002	0.3	8.16	177
180970073	2012	1	23	9	V	0.003	0.3	7.89	185
180970073	2012	1	23	10	V	0.003	0.2	8.49	216
180970073	2012	1	23	11	V	0.3	0.5	11.84	243
180970073	2012	1	23	12	V	1.3	2.5	11.8	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	23	13	V	0.4	2.3	11.43	244
180970073	2012	1	23	14	V	1.1	2.3	10.29	247
180970073	2012	1	23	15	V	4.4	2.6	10.09	248
180970073	2012	1	23	16	V	2.8	3	9.9	245
180970073	2012	1	23	17	V	4.7	2.6	10	249
180970073	2012	1	23	18	V	5.1	3.9	8.95	252
180970073	2012	1	23	19	V	2.8	6.3	7.62	245
180970073	2012	1	23	20	V	6.0	4.3	6.06	252
180970073	2012	1	23	21	V	6.3	5.2	5.38	253
180970073	2012	1	23	22	V	7.7	2.3	4.61	252
180970073	2012	1	23	23	V	4.1	-999	4.07	246
180970073	2012	1	23	24	V	0.5	11	4.51	239
180970073	2012	1	24	1	V	1.8	5.1	5.41	243
180970073	2012	1	24	2	V	0.4	3.3	4.29	237
180970073	2012	1	24	3	V	1.6	5.2	3.78	243
180970073	2012	1	24	4	V	0.01	1.7	6.35	275
180970073	2012	1	24	5	V	0.01	1	6.48	275
180970073	2012	1	24	6	V	0.07	0.9	6.62	268
180970073	2012	1	24	7	V	0.01	0.7	5.31	279
180970073	2012	1	24	8	V	0.01	0.8	5.17	279
180970073	2012	1	24	9	V	0.004	0.6	5.22	278
180970073	2012	1	24	10	V	0.004	0.6	5.31	284
180970073	2012	1	24	11	V	0.004	0.9	5.77	282
180970073	2012	1	24	12	V	0.004	0.7	5.22	280
180970073	2012	1	24	13	V	0.004	0.7	4.9	277
180970073	2012	1	24	14	V	0.004	0.5	4.48	281
180970073	2012	1	24	15	V	0.01	0.8	4.78	277
180970073	2012	1	24	16	V	0.01	0.7	4.46	289
180970073	2012	1	24	17	V	0.01	0.7	4.32	294
180970073	2012	1	24	18	V	0.01	0.6	3.35	307
180970073	2012	1	24	19	V	0.03	0.2	1.6	310
180970073	2012	1	24	20	V	0.07	0.3	1.18	355
180970073	2012	1	24	21	V	0.05	0.3	1.45	279
180970073	2012	1	24	22	V	0.06	0.3	1.31	294
180970073	2012	1	24	23	V	7.9	0.1	1.06	247
180970073	2012	1	24	24	V	0.03	0.2	1.57	128
180970073	2012	1	25	1	V	0.03	1.1	1.62	193
180970073	2012	1	25	2	V	0.2	1.8	0.92	68
180970073	2012	1	25	3	V	0.03	0.6	1.59	116
180970073	2012	1	25	4	V	0.02	0.5	1.86	114
180970073	2012	1	25	5	V	0.02	0.5	1.72	66
180970073	2012	1	25	6	V	0.2	0.9	0.92	36
180970073	2012	1	25	7	V	0.03	1.1	1.62	62
180970073	2012	1	25	8	V	0.02	0.7	2.71	114
180970073	2012	1	25	9	V	0.02	0.4	3.85	117
180970073	2012	1	25	10	V	0.03	0.7	3.86	93

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	25	11	V	0.02	0.9	3.93	83
180970073	2012	1	25	12	V	0.01	1.2	5.05	84
180970073	2012	1	25	13	V	0.02	1.2	4.24	98
180970073	2012	1	25	14	V	0.08	1.3	3	81
180970073	2012	1	25	15	V	0.03	1.1	4.48	34
180970073	2012	1	25	16	V	0.02	0.6	3.07	62
180970073	2012	1	25	17	V	0.02	0.6	3.76	60
180970073	2012	1	25	18	V	0.02	0.5	4.46	62
180970073	2012	1	25	19	V	0.02	0.2	3.68	99
180970073	2012	1	25	20	V	0.02	0.2	4.1	93
180970073	2012	1	25	21	V	0.02	0.3	3.63	116
180970073	2012	1	25	22	V	0.02	0.4	4.8	120
180970073	2012	1	25	23	V	0.02	0.3	4.92	121
180970073	2012	1	25	24	V	0.02	0.4	4.65	107
180970073	2012	1	26	1	V	0.01	0.4	3.8	89
180970073	2012	1	26	2	V	0.01	0.3	4.05	92
180970073	2012	1	26	3	V	0.01	0.5	3.83	88
180970073	2012	1	26	4	V	0.02	0.8	3.86	79
180970073	2012	1	26	5	V	0.02	0.7	3.88	80
180970073	2012	1	26	6	V	0.02	0.7	4.53	86
180970073	2012	1	26	7	V	0.02	0.5	2.98	78
180970073	2012	1	26	8	V	0.05	0.5	3.35	78
180970073	2012	1	26	9	V	0.05	0.6	4.1	74
180970073	2012	1	26	10	V	0.09	0.5	3.85	94
180970073	2012	1	26	11	V	0.1	0.4	3.2	102
180970073	2012	1	26	12	V	0.4	0.4	1.98	93
180970073	2012	1	26	13	V	0.9	0.6	1.23	136
180970073	2012	1	26	14	V	4.8	0.6	1.09	214
180970073	2012	1	26	15	V	15.6	0.7	1.42	236
180970073	2012	1	26	16	V	0.3	1.2	1.38	267
180970073	2012	1	26	17	V	0.03	1.9	2.88	213
180970073	2012	1	26	18	V	5.4	4.7	4.34	239
180970073	2012	1	26	19	V	0.02	1.7	4.6	284
180970073	2012	1	26	20	V	0.02	0.9	5.31	296
180970073	2012	1	26	21	V	0.02	0.6	4.41	312
180970073	2012	1	26	22	V	0.02	0.5	5.56	304
180970073	2012	1	26	23	V	0.02	0.5	5.82	312
180970073	2012	1	26	24	V	0.02	0.5	4.37	303
180970073	2012	1	27	1	V	0.02	0.7	4.68	285
180970073	2012	1	27	2	V	0.02	1.2	5.65	286
180970073	2012	1	27	3	V	0.02	1.5	6.16	284
180970073	2012	1	27	4	V	0.02	0.8	6.67	281
180970073	2012	1	27	5	V	0.02	0.4	5.92	290
180970073	2012	1	27	6	V	0.01	0.6	6.4	291
180970073	2012	1	27	7	V	0.01	0.5	7.94	288
180970073	2012	1	27	8	V	0.01	0.4	6.67	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	27	9	V	0.004	0	6.86	287
180970073	2012	1	27	10	V	0.01	-999	5.95	292
180970073	2012	1	27	11	V	1.4	-999	4.22	262
180970073	2012	1	27	12	V	0.03	-999	4.54	275
180970073	2012	1	27	13	V	0.02	-999	5.56	298
180970073	2012	1	27	14	V	0.01	-999	5.19	300
180970073	2012	1	27	15	V	0.01	0	4.87	287
180970073	2012	1	27	16	V	2.3	0	3.57	258
180970073	2012	1	27	17	V	2.7	2.3	3.25	227
180970073	2012	1	27	18	V	0.02	3.3	3.76	214
180970073	2012	1	27	19	V	0.02	0.6	3.85	200
180970073	2012	1	27	20	V	0.02	0.1	3.64	207
180970073	2012	1	27	21	V	0.02	-999	2.72	195
180970073	2012	1	27	22	V	0.01	-999	2.45	179
180970073	2012	1	27	23	V	0.01	-999	3.39	160
180970073	2012	1	27	24	V	0.01	0.1	3.68	179
180970073	2012	1	28	1	V	0.01	0.2	4	171
180970073	2012	1	28	2	V	0.01	0.5	4.29	192
180970073	2012	1	28	3	V	0.01	0.5	4.05	200
180970073	2012	1	28	4	V	0.01	0.6	4.15	190
180970073	2012	1	28	5	V	0.01	1.1	3.66	208
180970073	2012	1	28	6	V	0.01	0.9	3.92	216
180970073	2012	1	28	7	V	1.0	1	5.75	241
180970073	2012	1	28	8	V	0.04	2.3	9.68	270
180970073	2012	1	28	9	V	0.02	1.1	9.24	267
180970073	2012	1	28	10	V	0.003	0.9	10	270
180970073	2012	1	28	11	V	0.004	1	9.93	270
180970073	2012	1	28	12	V	0.003	1	10.51	270
180970073	2012	1	28	13	V	0.01	1	9.76	269
180970073	2012	1	28	14	V	0.01	1.2	9.9	268
180970073	2012	1	28	15	V	0.08	0.8	9.15	263
180970073	2012	1	28	16	V	1.4	1	9.52	260
180970073	2012	1	28	17	V	0.2	1	9.88	265
180970073	2012	1	28	18	V	4.2	0.9	7.62	255
180970073	2012	1	28	19	V	1.3	3.4	5.7	243
180970073	2012	1	28	20	V	0.1	1.1	4.71	225
180970073	2012	1	28	21	V	0.01	1.1	5.09	219
180970073	2012	1	28	22	V	0.2	1.3	5.39	226
180970073	2012	1	28	23	V	0.5	1.4	6.77	230
180970073	2012	1	28	24	V	0.6	2.1	6.28	233
180970073	2012	1	29	1	V	0.02	2.1	5.63	221
180970073	2012	1	29	2	V	0.01	3.7	5.36	214
180970073	2012	1	29	3	V	0.01	1.9	6.3	220
180970073	2012	1	29	4	V	0.06	3	7.37	224
180970073	2012	1	29	5	V	0.4	3.1	6.79	231
180970073	2012	1	29	6	V	0.01	2.8	6.47	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	29	7	V	0.02	3.9	6.57	221
180970073	2012	1	29	8	V	0.02	3.8	6.14	218
180970073	2012	1	29	9	V	0.01	2.9	6.58	217
180970073	2012	1	29	10	V	0.04	2.5	7.67	222
180970073	2012	1	29	11	V	0.2	3.5	9.98	235
180970073	2012	1	29	12	V	0.8	3.6	10.36	256
180970073	2012	1	29	13	V	0.04	1.5	10.27	266
180970073	2012	1	29	14	V	0.001	1.1	10.99	278
180970073	2012	1	29	15	V	0.001	0.7	11.87	285
180970073	2012	1	29	16	V	0.01	0.6	10.8	277
180970073	2012	1	29	17	V	0.01	0.6	8.64	278
180970073	2012	1	29	18	V	0.01	0.5	6.63	293
180970073	2012	1	29	19	V	0.01	0.6	4.6	288
180970073	2012	1	29	20	V	0.1	0.7	2.57	264
180970073	2012	1	29	21	V	12.1	0.6	3.18	251
180970073	2012	1	29	22	V	0.7	0.7	2.38	242
180970073	2012	1	29	23	V	0.1	0.7	1.18	210
180970073	2012	1	29	24	V	0.3	0.6	0.74	204
180970073	2012	1	30	1	V	0.02	0.8	1.74	160
180970073	2012	1	30	2	V	0.02	1	1.99	173
180970073	2012	1	30	3	V	0.03	1	1.57	136
180970073	2012	1	30	4	V	0.01	0.7	2.27	130
180970073	2012	1	30	5	V	0.01	0.8	3.47	142
180970073	2012	1	30	6	V	0.01	0.8	3.81	134
180970073	2012	1	30	7	V	0.01	0.7	4.63	139
180970073	2012	1	30	8	V	0.01	0.8	5.72	146
180970073	2012	1	30	9	V	0.01	-999	5.31	150
180970073	2012	1	30	10	V	0.01	-999	4.9	167
180970073	2012	1	30	11	V	0.01	-999	4.88	183
180970073	2012	1	30	12	V	0.01	1.9	6.02	189
180970073	2012	1	30	13	V	0.004	2.6	6.89	191
180970073	2012	1	30	14	V	0.01	2.7	5.8	197
180970073	2012	1	30	15	V	0.002	2	8.25	203
180970073	2012	1	30	16	V	0.01	1.2	9.02	207
180970073	2012	1	30	17	V	0.01	1.3	9.73	213
180970073	2012	1	30	18	V	0.01	0.9	9.47	209
180970073	2012	1	30	19	V	0.01	1.4	7.57	209
180970073	2012	1	30	20	V	0.01	2.1	6.82	204
180970073	2012	1	30	21	V	0.01	1.8	7.45	206
180970073	2012	1	30	22	V	0.01	1.6	9	211
180970073	2012	1	30	23	V	0.01	-999	9.88	212
180970073	2012	1	30	24	V	0.01	1.6	9.75	213
180970073	2012	1	31	1	V	0.01	1.6	9.64	217
180970073	2012	1	31	2	V	0.04	1.8	10.19	223
180970073	2012	1	31	3	V	0.04	1.6	9.56	223
180970073	2012	1	31	4	V	0.01	1.7	8.15	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	1	31	5	V	0.07	1.7	8.78	224
180970073	2012	1	31	6	V	0.2	1.9	8.93	227
180970073	2012	1	31	7	V	0.2	1.7	8.9	228
180970073	2012	1	31	8	V	0.06	1.5	8.35	224
180970073	2012	1	31	9	V	0.01	1.5	6.57	214
180970073	2012	1	31	10	V	0.004	1.9	7.23	212
180970073	2012	1	31	11	V	0.003	1.9	8.73	213
180970073	2012	1	31	12	V	0.003	1.7	8.47	211
180970073	2012	1	31	13	V	0.003	1.5	7.96	213
180970073	2012	1	31	14	V	0.04	1.7	9.1	223
180970073	2012	1	31	15	V	0.004	1.9	8.98	218
180970073	2012	1	31	16	V	0.01	1.5	9.37	204
180970073	2012	1	31	17	V	0.01	0.8	7.77	202
180970073	2012	1	31	18	V	0.01	0.9	6.52	203
180970073	2012	1	31	19	V	0.01	0.8	7.43	207
180970073	2012	1	31	20	V	0.01	0.6	7.08	210
180970073	2012	1	31	21	V	0.01	0.4	7.09	202
180970073	2012	1	31	22	V	0.01	0.3	7.33	201
180970073	2012	1	31	23	V	0.01	0.1	7.11	213
180970073	2012	1	31	24	V	0.06	0.4	8.44	222
180970073	2012	2	1	1	V	0.1	0.4	8.85	225
180970073	2012	2	1	2	V	0.3	0.4	7.37	230
180970073	2012	2	1	3	V	0.4	0.2	6.96	233
180970073	2012	2	1	4	V	2.8	0.3	4.95	244
180970073	2012	2	1	5	V	5.7	2.2	4.44	247
180970073	2012	2	1	6	V	0.01	1.2	3.85	283
180970073	2012	2	1	7	V	0.01	0.7	3.3	286
180970073	2012	2	1	8	V	0.04	0	3.34	287
180970073	2012	2	1	9	V	0.07	0.2	2.91	306
180970073	2012	2	1	10	V	0.1	0.4	2.59	311
180970073	2012	2	1	11	V	5.5	0.4	1.48	259
180970073	2012	2	1	12	V	8.7	0.2	1.79	251
180970073	2012	2	1	13	V	4.8	0.5	1.7	261
180970073	2012	2	1	14	V	3.1	0.1	1.4	266
180970073	2012	2	1	15	V	8.2	0.2	1.71	251
180970073	2012	2	1	16	V	0.01	0.1	3.29	319
180970073	2012	2	1	17	V	0.01	0	4.66	331
180970073	2012	2	1	18	V	0.01	0	5.09	344
180970073	2012	2	1	19	V	0.01	0	4.12	353
180970073	2012	2	1	20	V	0.01	0	4.19	13
180970073	2012	2	1	21	V	0.01	0	3.64	9
180970073	2012	2	1	22	V	0.01	0	3.73	3
180970073	2012	2	1	23	V	0.01	0	3.44	355
180970073	2012	2	1	24	V	0.01	0	2.95	6
180970073	2012	2	2	1	V	0.01	0	2.76	359
180970073	2012	2	2	2	V	0.01	0	2.49	352

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	2	3	V	0.01	0	2.62	339
180970073	2012	2	2	4	V	0.02	0	2.06	330
180970073	2012	2	2	5	V	0.02	0	2.2	325
180970073	2012	2	2	6	V	0.02	0	2.15	326
180970073	2012	2	2	7	V	0.01	0	2.61	336
180970073	2012	2	2	8	V	0.08	0	2.27	340
180970073	2012	2	2	9	V	0.2	0	1.54	327
180970073	2012	2	2	10	V	0.2	0.1	1.57	336
180970073	2012	2	2	11	V	0.6	0.1	1.25	2
180970073	2012	2	2	12	V	0.8	0.2	1.16	171
180970073	2012	2	2	13	V	4.4	6.5	2.3	240
180970073	2012	2	2	14	V	5.3	10.4	2.88	258
180970073	2012	2	2	15	V	0.06	3	2.79	273
180970073	2012	2	2	16	V	0.01	1.1	2.84	306
180970073	2012	2	2	17	V	0.01	1.8	2.9	315
180970073	2012	2	2	18	V	0.02	1.9	2.45	326
180970073	2012	2	2	19	V	0.01	1.4	2.72	332
180970073	2012	2	2	20	V	0.01	1	2.47	345
180970073	2012	2	2	21	V	0.03	0.8	1.64	8
180970073	2012	2	2	22	V	0.1	1	1.11	45
180970073	2012	2	2	23	V	0.1	1	1.2	37
180970073	2012	2	2	24	V	0.02	0.5	2.11	71
180970073	2012	2	3	1	V	0.04	0	2.04	71
180970073	2012	2	3	2	V	0.05	0	1.96	66
180970073	2012	2	3	3	V	0.03	0	2.35	82
180970073	2012	2	3	4	V	0.02	0	2.45	87
180970073	2012	2	3	5	V	0.04	0	2.11	97
180970073	2012	2	3	6	V	0.03	0	2.52	103
180970073	2012	2	3	7	V	0.08	0	1.62	70
180970073	2012	2	3	8	V	0.2	0.1	2.2	67
180970073	2012	2	3	9	V	0.2	1.4	2.5	72
180970073	2012	2	3	10	V	0.1	5.8	3.18	83
180970073	2012	2	3	11	V	0.1	5.4	3.39	106
180970073	2012	2	3	12	V	0.08	4.8	4.22	105
180970073	2012	2	3	13	V	0.07	4.3	3.76	138
180970073	2012	2	3	14	V	0.07	2.5	3.4	128
180970073	2012	2	3	15	V	0.04	2.3	3.44	129
180970073	2012	2	3	16	V	0.02	1.5	3.2	126
180970073	2012	2	3	17	V	0.02	0.7	3.15	106
180970073	2012	2	3	18	V	0.02	0.9	2.95	94
180970073	2012	2	3	19	V	0.02	0.3	3.34	86
180970073	2012	2	3	20	V	0.02	0.6	3	91
180970073	2012	2	3	21	V	0.02	3.4	3.4	76
180970073	2012	2	3	22	V	0.02	3.3	3.52	77
180970073	2012	2	3	23	V	0.02	1.5	3.92	69
180970073	2012	2	3	24	V	0.02	0	5.24	56

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	4	1	V	0.02	0	3.78	74
180970073	2012	2	4	2	V	0.02	0	3.42	68
180970073	2012	2	4	3	V	0.02	0	3.81	45
180970073	2012	2	4	4	V	0.02	0	4.92	43
180970073	2012	2	4	5	V	0.02	0	4.37	51
180970073	2012	2	4	6	V	0.02	0	6.07	40
180970073	2012	2	4	7	V	0.02	0	6.46	68
180970073	2012	2	4	8	V	0.01	0	6.58	70
180970073	2012	2	4	9	V	0.01	0	5.79	61
180970073	2012	2	4	10	V	0.01	0	6.43	56
180970073	2012	2	4	11	V	0.01	0	6.7	66
180970073	2012	2	4	12	V	0.01	0	6.41	69
180970073	2012	2	4	13	V	0.01	0	6.4	68
180970073	2012	2	4	14	V	0.01	0	6.5	76
180970073	2012	2	4	15	V	0.01	0	6.06	84
180970073	2012	2	4	16	V	0.02	0	5.97	82
180970073	2012	2	4	17	V	0.02	0	5.65	80
180970073	2012	2	4	18	V	0.02	0	5.24	81
180970073	2012	2	4	19	V	0.02	0	4.49	74
180970073	2012	2	4	20	V	0.02	0	4.66	70
180970073	2012	2	4	21	V	0.02	0	4.51	48
180970073	2012	2	4	22	V	0.02	0	5.12	43
180970073	2012	2	4	23	V	0.02	0	4.71	40
180970073	2012	2	4	24	V	0.02	0	4.27	39
180970073	2012	2	5	1	V	0.02	0	4.2	32
180970073	2012	2	5	2	V	0.02	0	5.46	26
180970073	2012	2	5	3	V	0.02	0	3.97	32
180970073	2012	2	5	4	V	0.02	0	5.27	29
180970073	2012	2	5	5	V	0.02	0	4.17	30
180970073	2012	2	5	6	V	0.02	0	4.15	30
180970073	2012	2	5	7	V	0.02	0	3.54	22
180970073	2012	2	5	8	V	0.04	0	3.32	28
180970073	2012	2	5	9	V	0.06	0	3.75	37
180970073	2012	2	5	10	V	0.2	0.4	3.27	56
180970073	2012	2	5	11	V	0.06	1	3.93	62
180970073	2012	2	5	12	V	0.07	0.6	3.41	58
180970073	2012	2	5	13	V	0.2	1	2.28	61
180970073	2012	2	5	14	V	0.2	1.4	2.13	92
180970073	2012	2	5	15	V	0.1	1	1.99	71
180970073	2012	2	5	16	V	0.07	0.6	1.62	33
180970073	2012	2	5	17	V	0.03	0.4	2.57	13
180970073	2012	2	5	18	V	0.02	0.2	3.44	21
180970073	2012	2	5	19	V	0.03	0.1	2.5	16
180970073	2012	2	5	20	V	0.05	0	2.01	3
180970073	2012	2	5	21	V	0.06	0	1.84	342
180970073	2012	2	5	22	V	0.03	0	2.52	351

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	5	23	V	0.02	0	3.22	356
180970073	2012	2	5	24	V	0.02	0	3.3	355
180970073	2012	2	6	1	V	0.06	0	1.89	321
180970073	2012	2	6	2	V	3.4	0	0.75	222
180970073	2012	2	6	3	V	10.0	0	1.65	237
180970073	2012	2	6	4	V	0.08	0	1.72	273
180970073	2012	2	6	5	V	0.1	0	1.42	273
180970073	2012	2	6	6	V	0.2	0	1.25	304
180970073	2012	2	6	7	V	10.5	0.2	1.31	252
180970073	2012	2	6	8	V	15.8	0.3	1.53	233
180970073	2012	2	6	9	V	1.8	0.8	1.88	269
180970073	2012	2	6	10	V	12.4	1.9	1.71	241
180970073	2012	2	6	11	V	12.3	6.8	2.62	238
180970073	2012	2	6	12	V	5.0	16.9	3.93	244
180970073	2012	2	6	13	V	2.4	4.9	4.58	251
180970073	2012	2	6	14	V	0.5	2.3	4.71	264
180970073	2012	2	6	15	V	2.3	3.2	5.11	250
180970073	2012	2	6	16	V	6.2	2.8	5.87	254
180970073	2012	2	6	17	V	6.4	2.6	5.97	249
180970073	2012	2	6	18	V	3.0	2.1	5.55	245
180970073	2012	2	6	19	V	1.3	1.5	4.36	243
180970073	2012	2	6	20	V	15.7	0.2	3.54	233
180970073	2012	2	6	21	V	0.02	0.1	4.31	304
180970073	2012	2	6	22	V	0.02	0	3.64	298
180970073	2012	2	6	23	V	0.02	-999	3.78	293
180970073	2012	2	6	24	V	0.03	0	4.29	270
180970073	2012	2	7	1	V	4.1	0	4.42	257
180970073	2012	2	7	2	V	0.01	0	3.81	270
180970073	2012	2	7	3	V	0.01	0	2.64	305
180970073	2012	2	7	4	V	0.01	0	2.49	289
180970073	2012	2	7	5	V	0.01	0	2.79	286
180970073	2012	2	7	6	V	0.01	0	4.32	304
180970073	2012	2	7	7	V	0.01	0	3.83	314
180970073	2012	2	7	8	V	0.02	0	3.27	339
180970073	2012	2	7	9	V	0.05	0	2.74	23
180970073	2012	2	7	10	V	0.04	0	3.18	51
180970073	2012	2	7	11	V	0.1	0	2.16	23
180970073	2012	2	7	12	V	0.1	0	2.25	35
180970073	2012	2	7	13	V	0.1	0	2.27	10
180970073	2012	2	7	14	V	0.07	0	2.61	20
180970073	2012	2	7	15	V	0.03	0	3.12	31
180970073	2012	2	7	16	V	0.01	0	2.96	46
180970073	2012	2	7	17	V	0.01	0	2.93	37
180970073	2012	2	7	18	V	0.01	0	4.78	43
180970073	2012	2	7	19	V	0.01	0	3.71	39
180970073	2012	2	7	20	V	0.01	0	3.35	17

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	7	21	V	0.01	0	3.32	18
180970073	2012	2	7	22	V	0.01	0	3.29	16
180970073	2012	2	7	23	V	0.01	0	2.96	19
180970073	2012	2	7	24	V	0.01	0	3.18	11
180970073	2012	2	8	1	V	0.01	0	3.2	5
180970073	2012	2	8	2	V	0.01	0	2.57	358
180970073	2012	2	8	3	V	0.01	0	2.61	3
180970073	2012	2	8	4	V	0.01	0	3.05	22
180970073	2012	2	8	5	V	0.01	0	2.67	35
180970073	2012	2	8	6	V	0.01	0	3.42	29
180970073	2012	2	8	7	V	0.01	0	3.73	22
180970073	2012	2	8	8	V	0.01	0.2	4.2	25
180970073	2012	2	8	9	V	0.02	0	3.81	25
180970073	2012	2	8	10	V	0.05	0	2.89	30
180970073	2012	2	8	11	V	0.02	0	3.46	3
180970073	2012	2	8	12	V	0.03	0.1	2.78	5
180970073	2012	2	8	13	V	0.02	0.3	3.1	349
180970073	2012	2	8	14	V	0.01	0.1	3.76	330
180970073	2012	2	8	15	V	0.01	0	4.15	341
180970073	2012	2	8	16	V	0.01	0	3.9	325
180970073	2012	2	8	17	V	0.01	0	3.76	327
180970073	2012	2	8	18	V	0.01	0	3.32	318
180970073	2012	2	8	19	V	0.01	0	2.95	308
180970073	2012	2	8	20	V	0.01	0	2.86	298
180970073	2012	2	8	21	V	0.01	0	3.59	299
180970073	2012	2	8	22	V	0.01	0	3.42	295
180970073	2012	2	8	23	V	0.01	0	4	295
180970073	2012	2	8	24	V	0.01	0.1	4.46	292
180970073	2012	2	9	1	V	0.01	0	5.21	305
180970073	2012	2	9	2	V	0.01	0	4.94	304
180970073	2012	2	9	3	V	0.01	0	4.88	312
180970073	2012	2	9	4	V	0.01	0	4.51	313
180970073	2012	2	9	5	V	0.01	0	4.34	315
180970073	2012	2	9	6	V	0.01	0	2.79	282
180970073	2012	2	9	7	V	0.01	0	2.73	279
180970073	2012	2	9	8	V	0.02	0	3.59	280
180970073	2012	2	9	9	V	0.3	0	4.24	266
180970073	2012	2	9	10	V	3.6	2.4	3.1	242
180970073	2012	2	9	11	V	2.7	4.2	3	239
180970073	2012	2	9	12	V	0.8	1.5	4.42	229
180970073	2012	2	9	13	V	4.2	2	4.58	248
180970073	2012	2	9	14	V	1.5	2.9	4.78	244
180970073	2012	2	9	15	V	2.7	0.7	5.22	248
180970073	2012	2	9	16	V	4.4	1.1	5.6	246
180970073	2012	2	9	17	V	1.1	0.1	5.09	241
180970073	2012	2	9	18	V	0.01	0	5.16	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	9	19	V	0.01	0	4.29	214
180970073	2012	2	9	20	V	0.01	0	3.64	195
180970073	2012	2	9	21	V	0.01	0	3.78	178
180970073	2012	2	9	22	V	0.01	0.2	3.74	190
180970073	2012	2	9	23	V	0.01	0.4	3.54	200
180970073	2012	2	9	24	V	0.01	1.1	3.85	207
180970073	2012	2	10	1	V	0.06	1	3.92	223
180970073	2012	2	10	2	V	0.4	1.1	3.44	239
180970073	2012	2	10	3	V	0.2	2.5	3.29	226
180970073	2012	2	10	4	V	0.01	0.2	3.08	205
180970073	2012	2	10	5	V	0.01	0.1	3.9	208
180970073	2012	2	10	6	V	0.01	1.6	3.88	195
180970073	2012	2	10	7	V	0.01	0.8	3.9	194
180970073	2012	2	10	8	V	0.02	0.1	4.07	185
180970073	2012	2	10	9	V	0.01	1	4.9	187
180970073	2012	2	10	10	V	0.01	0.6	5.16	193
180970073	2012	2	10	11	V	0.01	0.6	5.87	196
180970073	2012	2	10	12	V	0.01	0.7	5.85	196
180970073	2012	2	10	13	V	0.01	0.5	5.67	197
180970073	2012	2	10	14	V	0.01	0.9	5.99	195
180970073	2012	2	10	15	V	0.004	0.4	6.4	202
180970073	2012	2	10	16	V	0.01	0.5	6.02	211
180970073	2012	2	10	17	V	0.01	0.4	5.79	215
180970073	2012	2	10	18	V	0.01	0.3	4.19	210
180970073	2012	2	10	19	V	0.01	0	4.19	204
180970073	2012	2	10	20	V	0.3	0.2	5.04	227
180970073	2012	2	10	21	V	0.01	0.1	6.86	292
180970073	2012	2	10	22	V	0.01	0	7.83	299
180970073	2012	2	10	23	V	0.01	0	8.5	318
180970073	2012	2	10	24	V	0.01	0	9.85	322
180970073	2012	2	11	1	V	0.01	0	9.56	310
180970073	2012	2	11	2	V	0.01	0	10.05	313
180970073	2012	2	11	3	V	0.01	0	9.07	312
180970073	2012	2	11	4	V	0.01	0	8.85	310
180970073	2012	2	11	5	V	0.01	0	8.25	310
180970073	2012	2	11	6	V	0.01	0	8.64	311
180970073	2012	2	11	7	V	0.01	0	8.15	306
180970073	2012	2	11	8	V	0.003	0	7.77	303
180970073	2012	2	11	9	V	0.003	0.2	7.96	300
180970073	2012	2	11	10	V	0.002	0.3	8.42	301
180970073	2012	2	11	11	V	0.002	0.3	7.93	301
180970073	2012	2	11	12	V	0.003	0.4	8.23	298
180970073	2012	2	11	13	V	0.002	0.2	8.17	298
180970073	2012	2	11	14	V	0.002	0	8.85	299
180970073	2012	2	11	15	V	0.002	0	8.85	299
180970073	2012	2	11	16	V	0.01	0	9.22	302

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	11	17	V	0.01	0	8.93	301
180970073	2012	2	11	18	V	0.01	0	8.28	302
180970073	2012	2	11	19	V	0.01	0	6.3	298
180970073	2012	2	11	20	V	0.01	0	4.87	290
180970073	2012	2	11	21	V	0.02	0	3.93	268
180970073	2012	2	11	22	V	2.8	0	3.37	257
180970073	2012	2	11	23	V	0.01	0	3.68	269
180970073	2012	2	11	24	V	0.01	0	4.27	287
180970073	2012	2	12	1	V	0.01	0	4.53	289
180970073	2012	2	12	2	V	0.01	0	5.38	278
180970073	2012	2	12	3	V	0.01	0	4.97	286
180970073	2012	2	12	4	V	0.01	0	4.76	279
180970073	2012	2	12	5	V	0.01	0	4.78	274
180970073	2012	2	12	6	V	0.7	0	4.49	261
180970073	2012	2	12	7	V	0.1	0	5.48	266
180970073	2012	2	12	8	V	0.2	0	5.12	267
180970073	2012	2	12	9	V	0.03	0	6.45	271
180970073	2012	2	12	10	V	0.004	0	6.92	278
180970073	2012	2	12	11	V	0.004	0	7.04	276
180970073	2012	2	12	12	V	0.01	0	6.64	271
180970073	2012	2	12	13	V	0.2	0	6.53	264
180970073	2012	2	12	14	V	0.08	0	7.54	265
180970073	2012	2	12	15	V	0.08	0	7.86	264
180970073	2012	2	12	16	V	0.07	0	7.37	268
180970073	2012	2	12	17	V	0.01	0	7.04	272
180970073	2012	2	12	18	V	0.6	0.1	6.18	262
180970073	2012	2	12	19	V	5.9	0.2	5.05	255
180970073	2012	2	12	20	V	5.3	0.3	4.34	247
180970073	2012	2	12	21	V	8.0	2.6	5.09	250
180970073	2012	2	12	22	V	7.3	1.1	4.8	254
180970073	2012	2	12	23	V	9.9	0.7	3.85	250
180970073	2012	2	12	24	V	5.2	0.9	3.93	247
180970073	2012	2	13	1	V	5.1	0.9	3.76	247
180970073	2012	2	13	2	V	1.2	7.1	3.4	240
180970073	2012	2	13	3	V	1.0	6.6	2.66	225
180970073	2012	2	13	4	V	3.3	2.9	3.01	227
180970073	2012	2	13	5	V	1.0	0.9	2.27	224
180970073	2012	2	13	6	V	0.05	4.7	2.42	219
180970073	2012	2	13	7	V	0.03	3.8	2.81	214
180970073	2012	2	13	8	V	2.0	4	2.91	217
180970073	2012	2	13	9	V	3.6	10.4	3.01	218
180970073	2012	2	13	10	V	1.0	19.2	3.12	214
180970073	2012	2	13	11	V	0.5	10.6	4.1	214
180970073	2012	2	13	12	V	0.2	8.5	4.02	199
180970073	2012	2	13	13	V	0.1	1.4	4.63	186
180970073	2012	2	13	14	V	0.09	1.5	4	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	13	15	V	0.04	2.2	4.39	195
180970073	2012	2	13	16	V	0.05	3.4	4.34	171
180970073	2012	2	13	17	V	0.04	2.3	5.12	151
180970073	2012	2	13	18	V	0.04	1.2	4.93	147
180970073	2012	2	13	19	V	0.04	1.7	5.21	166
180970073	2012	2	13	20	V	0.03	3.3	6.47	190
180970073	2012	2	13	21	V	0.04	2.8	4.65	182
180970073	2012	2	13	22	V	0.04	1.6	4.71	171
180970073	2012	2	13	23	V	0.04	-999	2.69	155
180970073	2012	2	13	24	V	0.03	3.6	3.35	160
180970073	2012	2	14	1	V	0.03	2	4.02	183
180970073	2012	2	14	2	V	0.03	1	3.05	160
180970073	2012	2	14	3	V	0.03	0.7	3.25	146
180970073	2012	2	14	4	V	0.03	0.6	3.24	145
180970073	2012	2	14	5	V	0.03	0.5	3.18	151
180970073	2012	2	14	6	V	0.03	0.3	3.4	157
180970073	2012	2	14	7	V	0.04	0.1	3.27	153
180970073	2012	2	14	8	V	0.2	0	2.39	149
180970073	2012	2	14	9	V	0.3	0.1	2.54	168
180970073	2012	2	14	10	V	0.3	0.5	2.56	185
180970073	2012	2	14	11	V	0.5	3.3	2.88	209
180970073	2012	2	14	12	V	30.1	5.5	3.88	233
180970073	2012	2	14	13	V	5.9	6.7	4.12	248
180970073	2012	2	14	14	V	6.1	11.6	4.02	251
180970073	2012	2	14	15	V	1.8	12.8	4.03	258
180970073	2012	2	14	16	V	4.5	6	5.09	245
180970073	2012	2	14	17	V	4.9	6.6	4.36	246
180970073	2012	2	14	18	V	11.5	6.2	4.59	237
180970073	2012	2	14	19	V	2.7	3.7	3.68	243
180970073	2012	2	14	20	V	8.1	2	4.24	253
180970073	2012	2	14	21	V	4.0	0.5	2.76	240
180970073	2012	2	14	22	V	13.9	1	2.79	229
180970073	2012	2	14	23	V	0.03	2.6	2.96	217
180970073	2012	2	14	24	V	0.03	3.7	3.22	215
180970073	2012	2	15	1	V	0.3	2.9	3.47	222
180970073	2012	2	15	2	V	0.02	2.8	3.05	210
180970073	2012	2	15	3	V	0.01	1.8	2.69	193
180970073	2012	2	15	4	V	0.01	1.1	3.17	189
180970073	2012	2	15	5	V	0.01	0.7	3.83	180
180970073	2012	2	15	6	V	0.01	1.4	2.71	147
180970073	2012	2	15	7	V	0.02	0.7	3.63	159
180970073	2012	2	15	8	V	0.02	0.3	4.36	161
180970073	2012	2	15	9	V	0.03	0.9	3.93	159
180970073	2012	2	15	10	V	0.02	2.2	4.48	151
180970073	2012	2	15	11	V	0.01	1.8	5.7	155
180970073	2012	2	15	12	V	0.01	1.9	5.79	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	15	13	V	0.01	1.6	6.19	143
180970073	2012	2	15	14	V	0.02	3.1	4.2	155
180970073	2012	2	15	15	V	0.01	0.3	4.53	169
180970073	2012	2	15	16	V	0.01	0	3.9	152
180970073	2012	2	15	17	V	0.01	0	4.26	140
180970073	2012	2	15	18	V	0.01	0	5.65	129
180970073	2012	2	15	19	V	0.01	0	4.51	133
180970073	2012	2	15	20	V	0.01	0.3	4.51	132
180970073	2012	2	15	21	V	0.01	0.1	4.26	136
180970073	2012	2	15	22	V	0.01	0	6.19	153
180970073	2012	2	15	23	V	0.01	0.3	6.91	143
180970073	2012	2	15	24	V	0.01	1.3	6.74	155
180970073	2012	2	16	1	V	0.01	0.7	5.29	152
180970073	2012	2	16	2	V	0.01	0	5.12	163
180970073	2012	2	16	3	V	0.01	0	2.71	158
180970073	2012	2	16	4	V	0.03	0	1.45	109
180970073	2012	2	16	5	V	0.02	0	2.1	145
180970073	2012	2	16	6	V	0.01	0	2.33	170
180970073	2012	2	16	7	V	0.06	0	1.94	221
180970073	2012	2	16	8	V	5.0	0	1.71	242
180970073	2012	2	16	9	V	5.7	0	2.86	245
180970073	2012	2	16	10	V	0.09	0	5.41	268
180970073	2012	2	16	11	V	0.01	0	5.41	284
180970073	2012	2	16	12	V	0.01	0.2	5.6	284
180970073	2012	2	16	13	V	0.003	0.1	7.26	292
180970073	2012	2	16	14	V	0.003	0	7.38	289
180970073	2012	2	16	15	V	0.003	0.1	6.57	296
180970073	2012	2	16	16	V	0.01	0.1	7.2	292
180970073	2012	2	16	17	V	0.01	0	6.43	296
180970073	2012	2	16	18	V	0.01	0	4.39	284
180970073	2012	2	16	19	V	0.01	0	4.99	296
180970073	2012	2	16	20	V	0.01	0	4.17	284
180970073	2012	2	16	21	V	0.07	0	4.17	266
180970073	2012	2	16	22	V	0.9	0	3.8	243
180970073	2012	2	16	23	V	0.3	0.2	3.56	240
180970073	2012	2	16	24	V	12.6	0.4	3.25	252
180970073	2012	2	17	1	V	0.3	0	3.4	242
180970073	2012	2	17	2	V	0.5	0	3.68	234
180970073	2012	2	17	3	V	0.3	0	3.68	237
180970073	2012	2	17	4	V	0.3	0	3.27	241
180970073	2012	2	17	5	V	13.9	0	3.15	251
180970073	2012	2	17	6	V	7.6	0	2.66	255
180970073	2012	2	17	7	V	5.8	0	2.35	256
180970073	2012	2	17	8	V	7.4	0.3	2.13	253
180970073	2012	2	17	9	V	3.6	0.7	2.01	237
180970073	2012	2	17	10	V	4.5	1.7	2.37	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	17	11	V	3.3	4	2.3	241
180970073	2012	2	17	12	V	1.0	6.4	2.27	229
180970073	2012	2	17	13	V	1.1	7.7	2.73	235
180970073	2012	2	17	14	V	1.8	2.4	2.95	250
180970073	2012	2	17	15	V	1.0	2.8	4.17	242
180970073	2012	2	17	16	V	0.04	1.7	3.92	220
180970073	2012	2	17	17	V	0.4	0.2	4.7	228
180970073	2012	2	17	18	V	0.3	0.9	4.41	227
180970073	2012	2	17	19	V	0.03	0.2	4.02	223
180970073	2012	2	17	20	V	0.01	1	4.07	218
180970073	2012	2	17	21	V	0.8	1.5	3.68	230
180970073	2012	2	17	22	V	0.6	2	3.4	235
180970073	2012	2	17	23	V	0.2	6.2	3.42	226
180970073	2012	2	17	24	V	0.01	3.2	3.37	219
180970073	2012	2	18	1	V	0.01	1.6	3.4	213
180970073	2012	2	18	2	V	0.01	2.3	3.34	218
180970073	2012	2	18	3	V	0.01	3.7	3.34	218
180970073	2012	2	18	4	V	0.4	4.8	3.24	235
180970073	2012	2	18	5	V	12.1	4.3	3.03	253
180970073	2012	2	18	6	V	0.02	2	2.23	282
180970073	2012	2	18	7	V	0.02	1.5	2.71	289
180970073	2012	2	18	8	V	0.07	0.7	2.96	283
180970073	2012	2	18	9	V	0.06	1.4	3.54	301
180970073	2012	2	18	10	V	0.01	0.8	5.26	315
180970073	2012	2	18	11	V	0.01	0.5	5.43	322
180970073	2012	2	18	12	V	0.01	0.8	6.04	336
180970073	2012	2	18	13	V	0.01	0.7	6.26	337
180970073	2012	2	18	14	V	0.01	0	5.31	349
180970073	2012	2	18	15	V	0.01	0	5.24	348
180970073	2012	2	18	16	V	0.02	0	3.9	351
180970073	2012	2	18	17	V	0.01	0	4.56	5
180970073	2012	2	18	18	V	0.01	0	4.7	13
180970073	2012	2	18	19	V	0.01	0	4.92	11
180970073	2012	2	18	20	V	0.01	0	4.29	18
180970073	2012	2	18	21	V	0.01	0	4.94	26
180970073	2012	2	18	22	V	0.01	0	4.44	33
180970073	2012	2	18	23	V	0.01	0	3.42	33
180970073	2012	2	18	24	V	0.01	0	4.27	31
180970073	2012	2	19	1	V	0.01	0	4.48	38
180970073	2012	2	19	2	V	0.01	0	4.43	44
180970073	2012	2	19	3	V	0.01	0	4.73	40
180970073	2012	2	19	4	V	0.01	0	4.53	42
180970073	2012	2	19	5	V	0.01	0	4.07	47
180970073	2012	2	19	6	V	0.01	0	3.97	54
180970073	2012	2	19	7	V	0.02	0	4.53	44
180970073	2012	2	19	8	V	0.03	0	4.03	37

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	19	9	V	0.03	0.1	4.19	33
180970073	2012	2	19	10	V	0.01	0.3	5.84	44
180970073	2012	2	19	11	V	0.004	0	6.84	47
180970073	2012	2	19	12	V	0.004	0	6.63	37
180970073	2012	2	19	13	V	0.004	0	6.24	29
180970073	2012	2	19	14	V	0.004	0	6.09	22
180970073	2012	2	19	15	V	0.003	0	6.53	28
180970073	2012	2	19	16	V	0.01	0	6.11	19
180970073	2012	2	19	17	V	0.01	0	5.31	10
180970073	2012	2	19	18	V	0.01	0	5.21	20
180970073	2012	2	19	19	V	0.01	0.1	4.78	23
180970073	2012	2	19	20	V	0.01	0.2	3.15	40
180970073	2012	2	19	21	V	0.01	0.1	3.03	45
180970073	2012	2	19	22	V	0.01	0.1	2.73	31
180970073	2012	2	19	23	V	0.01	0.4	2.71	27
180970073	2012	2	19	24	V	0.04	0.4	1.79	351
180970073	2012	2	20	1	V	0.04	0	1.99	60
180970073	2012	2	20	2	V	0.06	0	1.81	80
180970073	2012	2	20	3	V	0.05	0	1.94	50
180970073	2012	2	20	4	V	0.03	0	2.59	37
180970073	2012	2	20	5	V	0.02	0.1	2.96	46
180970073	2012	2	20	6	V	0.07	0.1	1.69	355
180970073	2012	2	20	7	V	0.07	0.1	1.59	61
180970073	2012	2	20	8	V	0.3	0.7	2.22	81
180970073	2012	2	20	9	V	0.2	1.1	2.93	103
180970073	2012	2	20	10	V	0.07	2	4.31	107
180970073	2012	2	20	11	V	0.05	1.6	4.99	110
180970073	2012	2	20	12	V	0.03	1.1	5.56	115
180970073	2012	2	20	13	V	0.04	1.6	4.87	109
180970073	2012	2	20	14	V	0.05	1.4	4.09	134
180970073	2012	2	20	15	V	0.03	0.6	4.32	130
180970073	2012	2	20	16	V	0.04	0.3	5.51	124
180970073	2012	2	20	17	V	0.02	0	6.02	137
180970073	2012	2	20	18	V	0.02	5.7	5.87	128
180970073	2012	2	20	19	V	0.02	5.3	4.66	116
180970073	2012	2	20	20	V	0.03	3	3.66	127
180970073	2012	2	20	21	V	0.03	1.6	4.2	124
180970073	2012	2	20	22	V	0.02	1.1	4.87	118
180970073	2012	2	20	23	V	0.02	-999	6.72	126
180970073	2012	2	20	24	V	0.02	0.7	7.6	128
180970073	2012	2	21	1	V	0.02	0.4	7.67	140
180970073	2012	2	21	2	V	0.02	2.1	6.87	142
180970073	2012	2	21	3	V	0.02	2.4	7.01	143
180970073	2012	2	21	4	V	0.02	2.1	6.67	133
180970073	2012	2	21	5	V	0.02	1.8	6.26	137
180970073	2012	2	21	6	V	0.02	0.7	7.26	158

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	21	7	V	0.03	0	6.58	179
180970073	2012	2	21	8	V	0.01	0	7.43	175
180970073	2012	2	21	9	V	0.01	0	7.65	198
180970073	2012	2	21	10	V	1.8	0	8.86	227
180970073	2012	2	21	11	V	3.4	1.9	9.13	234
180970073	2012	2	21	12	V	4.6	-999	8.62	233
180970073	2012	2	21	13	V	3.2	-999	9.19	236
180970073	2012	2	21	14	V	4.0	1.4	8.81	235
180970073	2012	2	21	15	V	1.5	4.6	8.28	227
180970073	2012	2	21	16	V	8.8	3.1	9.34	230
180970073	2012	2	21	17	V	10.6	2	8.64	232
180970073	2012	2	21	18	V	11.5	6.4	8.08	234
180970073	2012	2	21	19	V	4.0	0.7	7.38	241
180970073	2012	2	21	20	V	7.4	0.4	7.21	238
180970073	2012	2	21	21	V	10.7	6.8	6.65	230
180970073	2012	2	21	22	V	7.4	12	6.09	228
180970073	2012	2	21	23	V	6.6	6.2	5.46	228
180970073	2012	2	21	24	V	0.1	2.8	4.09	222
180970073	2012	2	22	1	V	0.05	1.4	4.54	221
180970073	2012	2	22	2	V	0.02	0.3	4.2	195
180970073	2012	2	22	3	V	0.02	0	3.63	196
180970073	2012	2	22	4	V	0.01	0	4.12	200
180970073	2012	2	22	5	V	0.01	0	4.86	214
180970073	2012	2	22	6	V	0.02	0	4.36	190
180970073	2012	2	22	7	V	0.04	0	3.83	195
180970073	2012	2	22	8	V	0.1	0	3.17	188
180970073	2012	2	22	9	V	0.3	0.9	2.69	206
180970073	2012	2	22	10	V	0.1	1.9	4.22	206
180970073	2012	2	22	11	V	0.07	2.8	5.82	212
180970073	2012	2	22	12	V	0.02	2.7	5.9	199
180970073	2012	2	22	13	V	0.01	0.9	6.67	196
180970073	2012	2	22	14	V	0.01	0.6	8.08	206
180970073	2012	2	22	15	V	0.05	0.4	9.05	221
180970073	2012	2	22	16	V	1.2	0.7	8.23	222
180970073	2012	2	22	17	V	0.06	0.2	8.35	217
180970073	2012	2	22	18	V	3.9	4.8	8.56	226
180970073	2012	2	22	19	V	10.9	20.2	8.83	234
180970073	2012	2	22	20	V	3.6	8.3	8.95	245
180970073	2012	2	22	21	V	3.0	2.3	6.21	243
180970073	2012	2	22	22	V	7.7	6.8	5.12	251
180970073	2012	2	22	23	V	4.0	0.1	4.39	239
180970073	2012	2	22	24	V	2.7	0.5	3.37	240
180970073	2012	2	23	1	V	4.1	0.6	2.45	227
180970073	2012	2	23	2	V	8.2	1.6	1.72	227
180970073	2012	2	23	3	V	0.03	0.8	2.71	214
180970073	2012	2	23	4	V	3.2	0.3	2.25	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	23	5	V	9.6	0.5	1.94	249
180970073	2012	2	23	6	V	0.1	0.1	1.43	284
180970073	2012	2	23	7	V	6.7	0.2	1.45	245
180970073	2012	2	23	8	V	0.5	0.3	1.55	145
180970073	2012	2	23	9	V	0.4	1.7	1.84	83
180970073	2012	2	23	10	V	0.2	1.2	2.55	126
180970073	2012	2	23	11	V	0.2	0.3	3.13	120
180970073	2012	2	23	12	V	0.04	0.1	4.99	101
180970073	2012	2	23	13	V	0.03	0.6	5.21	103
180970073	2012	2	23	14	V	0.03	0.2	5.05	89
180970073	2012	2	23	15	V	0.01	0.1	7.3	77
180970073	2012	2	23	16	V	0.02	0	8.44	82
180970073	2012	2	23	17	V	0.02	1.3	7.71	97
180970073	2012	2	23	18	V	0.02	1.1	6.96	87
180970073	2012	2	23	19	V	0.02	2.2	7.77	102
180970073	2012	2	23	20	V	0.03	3.3	5.09	74
180970073	2012	2	23	21	V	0.03	1.5	4.51	64
180970073	2012	2	23	22	V	0.02	0.3	3.75	75
180970073	2012	2	23	23	V	0.03	0.2	3.63	33
180970073	2012	2	23	24	V	0.02	0	3.8	28
180970073	2012	2	24	1	V	0.02	0	2.88	19
180970073	2012	2	24	2	V	0.02	0	2.74	34
180970073	2012	2	24	3	V	0.05	0	1.76	82
180970073	2012	2	24	4	V	3.8	0	3.37	228
180970073	2012	2	24	5	V	5.0	1	7.81	248
180970073	2012	2	24	6	V	4.0	5.3	7.43	246
180970073	2012	2	24	7	V	3.8	6.9	8.2	245
180970073	2012	2	24	8	V	1.1	1.9	12.33	250
180970073	2012	2	24	9	V	0.5	0.7	10.61	243
180970073	2012	2	24	10	V	1.1	0.8	12.13	247
180970073	2012	2	24	11	V	0.4	1.1	11.75	259
180970073	2012	2	24	12	V	0.003	0	11.41	274
180970073	2012	2	24	13	V	0.003	0	12.31	280
180970073	2012	2	24	14	V	0.003	0	12.02	284
180970073	2012	2	24	15	V	0.003	0	11.28	277
180970073	2012	2	24	16	V	0.003	0	10.72	281
180970073	2012	2	24	17	V	0.03	0	10.53	271
180970073	2012	2	24	18	V	0.02	0	10.09	274
180970073	2012	2	24	19	V	0.03	0	7.59	271
180970073	2012	2	24	20	V	0.08	0	10.78	268
180970073	2012	2	24	21	V	0.01	0	10.49	275
180970073	2012	2	24	22	V	0.01	0.1	10.44	280
180970073	2012	2	24	23	V	0.01	0.1	8.61	276
180970073	2012	2	24	24	V	0.02	0.3	8.56	272
180970073	2012	2	25	1	V	0.02	0	10.02	272
180970073	2012	2	25	2	V	0.02	0.1	9.7	272

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	25	3	V	0.01	0	10.19	274
180970073	2012	2	25	4	V	0.01	0	10.85	282
180970073	2012	2	25	5	V	0.01	0	8.25	272
180970073	2012	2	25	6	V	0.1	0.2	6.04	266
180970073	2012	2	25	7	V	2.8	0.2	4.71	257
180970073	2012	2	25	8	V	0.5	0.1	4.37	265
180970073	2012	2	25	9	V	0.01	0	4.95	274
180970073	2012	2	25	10	V	0.003	0	6.8	278
180970073	2012	2	25	11	V	0.003	0	8.45	293
180970073	2012	2	25	12	V	0.002	0	9.73	301
180970073	2012	2	25	13	V	0.003	0	8.4	296
180970073	2012	2	25	14	V	0.003	0	7.57	293
180970073	2012	2	25	15	V	0.003	0	7.06	296
180970073	2012	2	25	16	V	0.002	0	6.18	296
180970073	2012	2	25	17	V	0.01	0	4.82	295
180970073	2012	2	25	18	V	0.01	0	4.27	297
180970073	2012	2	25	19	V	0.03	0	3.93	267
180970073	2012	2	25	20	V	0.02	0	2.25	288
180970073	2012	2	25	21	V	0.06	0	1.33	309
180970073	2012	2	25	22	V	0.1	0	1.11	223
180970073	2012	2	25	23	V	0.1	0	1.11	200
180970073	2012	2	25	24	V	0.03	0.2	1.77	127
180970073	2012	2	26	1	V	0.01	0	2.4	165
180970073	2012	2	26	2	V	0.01	0	2.59	108
180970073	2012	2	26	3	V	0.01	0	3.12	100
180970073	2012	2	26	4	V	0.01	0	3.57	117
180970073	2012	2	26	5	V	0.01	0	3.07	128
180970073	2012	2	26	6	V	0.01	0	3.39	143
180970073	2012	2	26	7	V	0.02	0	3.95	134
180970073	2012	2	26	8	V	0.03	0.4	3.9	124
180970073	2012	2	26	9	V	0.01	1.7	5.02	131
180970073	2012	2	26	10	V	0.01	2.3	6.11	140
180970073	2012	2	26	11	V	0.003	2	7.4	156
180970073	2012	2	26	12	V	0.004	1.8	6.62	166
180970073	2012	2	26	13	V	0.005	2.2	6.46	165
180970073	2012	2	26	14	V	0.005	1.7	6.28	171
180970073	2012	2	26	15	V	0.003	1.3	7.3	162
180970073	2012	2	26	16	V	0.01	0.4	7.54	163
180970073	2012	2	26	17	V	0.01	0.4	7.55	171
180970073	2012	2	26	18	V	0.01	0.2	7.15	167
180970073	2012	2	26	19	V	0.01	0.5	5.8	166
180970073	2012	2	26	20	V	0.02	0.8	2.28	168
180970073	2012	2	26	21	V	0.03	0.7	1.72	157
180970073	2012	2	26	22	V	0.01	0.3	4.68	151
180970073	2012	2	26	23	V	0.01	0.1	6.14	166
180970073	2012	2	26	24	V	0.02	0.1	4.09	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	27	1	V	0.01	0	3.25	199
180970073	2012	2	27	2	V	0.01	0.1	3.85	204
180970073	2012	2	27	3	V	0.01	0.6	4.34	203
180970073	2012	2	27	4	V	0.01	1	4.34	206
180970073	2012	2	27	5	V	0.02	1.4	4.51	217
180970073	2012	2	27	6	V	0.02	4.5	3.63	274
180970073	2012	2	27	7	V	2.1	3.3	2.9	262
180970073	2012	2	27	8	V	0.3	2.4	3.17	302
180970073	2012	2	27	9	V	0.2	1.3	3.51	293
180970073	2012	2	27	10	V	0.03	0	6.36	294
180970073	2012	2	27	11	V	0.03	0	6.92	286
180970073	2012	2	27	12	V	0.02	0.2	7.84	282
180970073	2012	2	27	13	V	0.02	0	7.64	284
180970073	2012	2	27	14	V	0.01	0.3	10.04	275
180970073	2012	2	27	15	V	0.01	0.2	8.23	285
180970073	2012	2	27	16	V	0.01	0	7.93	283
180970073	2012	2	27	17	V	0.03	0	6.8	293
180970073	2012	2	27	18	V	0.03	0	6.31	305
180970073	2012	2	27	19	V	0.03	0	5.34	318
180970073	2012	2	27	20	V	0.03	0	4.93	335
180970073	2012	2	27	21	V	0.03	0	3.58	338
180970073	2012	2	27	22	V	0.05	0	2.62	360
180970073	2012	2	27	23	V	0.05	-999	2.69	25
180970073	2012	2	27	24	V	0.05	0	2.64	35
180970073	2012	2	28	1	V	0.04	0	2.95	48
180970073	2012	2	28	2	V	0.06	0	2.4	54
180970073	2012	2	28	3	V	0.05	0.1	2.59	56
180970073	2012	2	28	4	V	0.05	0	2.62	73
180970073	2012	2	28	5	V	0.03	0	3.3	80
180970073	2012	2	28	6	V	0.03	0	4.02	96
180970073	2012	2	28	7	V	0.05	0	4.56	97
180970073	2012	2	28	8	V	0.1	0	3.9	108
180970073	2012	2	28	9	V	0.1	0.4	4.48	112
180970073	2012	2	28	10	V	0.08	0.8	4.71	104
180970073	2012	2	28	11	V	0.04	1.5	5.42	123
180970073	2012	2	28	12	V	0.1	3.9	4.36	139
180970073	2012	2	28	13	V	0.2	6.1	3.36	110
180970073	2012	2	28	14	V	0.1	6	3.36	135
180970073	2012	2	28	15	V	0.04	5.3	4.86	132
180970073	2012	2	28	16	V	0.05	4.1	3.86	139
180970073	2012	2	28	17	V	0.03	2.9	3.86	122
180970073	2012	2	28	18	V	0.03	2.4	3.34	117
180970073	2012	2	28	19	V	0.03	2.8	3.34	97
180970073	2012	2	28	20	V	0.04	6.2	4.51	103
180970073	2012	2	28	21	V	0.04	12.2	4.68	102
180970073	2012	2	28	22	V	0.04	9.9	5.45	108

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	2	28	23	V	0.03	12.1	6.84	121
180970073	2012	2	28	24	V	0.02	9.8	8.4	131
180970073	2012	2	29	1	V	0.02	5.1	6.75	137
180970073	2012	2	29	2	V	0.01	2.3	6.35	140
180970073	2012	2	29	3	V	0.01	0.5	3.95	128
180970073	2012	2	29	4	V	0.01	0.3	3.76	128
180970073	2012	2	29	5	V	0.01	0.1	3.13	169
180970073	2012	2	29	6	V	0.01	0	4.34	169
180970073	2012	2	29	7	V	0.004	0	8.85	218
180970073	2012	2	29	8	V	0.002	0	8.95	214
180970073	2012	2	29	9	V	0.02	0.5	8.91	221
180970073	2012	2	29	10	V	0.2	0.6	10.26	236
180970073	2012	2	29	11	V	0.2	0.5	9.59	239
180970073	2012	2	29	12	V	0.2	0.6	8.76	236
180970073	2012	2	29	13	V	0.2	0.3	8.5	235
180970073	2012	2	29	14	V	0.5	0	9.07	243
180970073	2012	2	29	15	V	0.3	0	9.25	240
180970073	2012	2	29	16	V	0.1	0.3	10.24	240
180970073	2012	2	29	17	V	1.8	0.9	12.23	243
180970073	2012	2	29	18	V	1.4	1.7	11.45	242
180970073	2012	2	29	19	V	0.3	0.2	11.36	237
180970073	2012	2	29	20	V	0.7	0	10.31	240
180970073	2012	2	29	21	V	0.01	0	10.65	283
180970073	2012	2	29	22	V	0.01	0	9.2	278
180970073	2012	2	29	23	V	0.01	0	8.88	274
180970073	2012	2	29	24	V	0.02	0	12.24	271
180970073	2012	3	1	1	V	0.4	0	10.65	264
180970073	2012	3	1	2	V	0.4	0	8.24	264
180970073	2012	3	1	3	V	1.0	0	6.94	261
180970073	2012	3	1	4	V	0.01	0	8.4	277
180970073	2012	3	1	5	V	0.2	0	7.65	265
180970073	2012	3	1	6	V	0.05	0	6.5	268
180970073	2012	3	1	7	V	0.1	0	5.68	269
180970073	2012	3	1	8	V	0.02	0	5.65	268
180970073	2012	3	1	9	V	0.01	0	5.67	269
180970073	2012	3	1	10	V	0.5	0	5.26	261
180970073	2012	3	1	11	V	0.1	0	5.5	266
180970073	2012	3	1	12	V	0.5	0	4.7	263
180970073	2012	3	1	13	V	1.2	0.9	4.36	260
180970073	2012	3	1	14	V	0.2	1.9	3.25	271
180970073	2012	3	1	15	V	2.1	2.3	4.15	247
180970073	2012	3	1	16	V	2.6	1	3.66	252
180970073	2012	3	1	17	V	1.1	2.3	3.9	243
180970073	2012	3	1	18	V	3.6	2.9	3.69	246
180970073	2012	3	1	19	V	0.08	1.5	1.11	211
180970073	2012	3	1	20	V	0.02	1.3	2.22	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	1	21	V	0.01	1.5	2.61	104
180970073	2012	3	1	22	V	0.01	0.3	2.9	98
180970073	2012	3	1	23	V	0.01	0.2	3.56	65
180970073	2012	3	1	24	V	0.01	0	3.2	63
180970073	2012	3	2	1	V	0.01	0	3.29	69
180970073	2012	3	2	2	V	0.01	0.4	4.41	89
180970073	2012	3	2	3	V	0.01	1.1	4.39	99
180970073	2012	3	2	4	V	0.01	2.2	5.14	112
180970073	2012	3	2	5	V	0.01	2.6	5.75	119
180970073	2012	3	2	6	V	0.01	3	6.21	121
180970073	2012	3	2	7	V	0.01	3.6	5.36	122
180970073	2012	3	2	8	V	0.01	3.5	5.38	131
180970073	2012	3	2	9	V	0.01	3.1	4.48	122
180970073	2012	3	2	10	V	0.01	2.7	4.63	130
180970073	2012	3	2	11	V	0.03	1.5	3.54	109
180970073	2012	3	2	12	V	0.04	0.2	3.42	127
180970073	2012	3	2	13	V	0.01	0.1	5.51	136
180970073	2012	3	2	14	V	0.01	0	5.82	148
180970073	2012	3	2	15	V	0.01	0	5.09	180
180970073	2012	3	2	16	V	0.2	0	6.14	231
180970073	2012	3	2	17	V	0.4	0.6	9.8	237
180970073	2012	3	2	18	V	4.0	0.5	14.01	249
180970073	2012	3	2	19	V	2.2	0	14.61	258
180970073	2012	3	2	20	V	0.6	0.2	13.23	263
180970073	2012	3	2	21	V	0.01	0	13.38	273
180970073	2012	3	2	22	V	0.01	0	11.02	277
180970073	2012	3	2	23	V	0.01	0	8.85	279
180970073	2012	3	2	24	V	0.01	0	8.83	286
180970073	2012	3	3	1	V	0.01	0	8.81	282
180970073	2012	3	3	2	V	0.2	0	6.84	265
180970073	2012	3	3	3	V	2.6	0.1	6.16	245
180970073	2012	3	3	4	V	1.1	3.2	6.4	242
180970073	2012	3	3	5	V	0.7	2.1	6.41	241
180970073	2012	3	3	6	V	3.9	3.4	8.08	247
180970073	2012	3	3	7	V	1.1	2.6	8.39	255
180970073	2012	3	3	8	V	1.2	0.6	8.18	256
180970073	2012	3	3	9	V	0.1	0.2	7.48	263
180970073	2012	3	3	10	V	1.9	1.3	7.77	250
180970073	2012	3	3	11	V	1.0	4.4	7.91	246
180970073	2012	3	3	12	V	1.5	3.8	9.44	250
180970073	2012	3	3	13	V	1.1	1.8	9.3	247
180970073	2012	3	3	14	V	1.4	4.2	10.56	253
180970073	2012	3	3	15	V	0.08	0.5	9.15	263
180970073	2012	3	3	16	V	1.4	0	8.28	261
180970073	2012	3	3	17	V	0.06	0	8.3	269
180970073	2012	3	3	18	V	0.01	0	7.86	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	3	19	V	3.9	0	6.7	256
180970073	2012	3	3	20	V	4.5	0	6.82	255
180970073	2012	3	3	21	V	0.2	0	7.4	266
180970073	2012	3	3	22	V	0.01	0	5.7	279
180970073	2012	3	3	23	V	0.02	-999	4.78	271
180970073	2012	3	3	24	V	0.7	0	4.03	262
180970073	2012	3	4	1	V	0.3	0	3.34	239
180970073	2012	3	4	2	V	8.1	1.4	3.91	253
180970073	2012	3	4	3	V	0.01	0	3.78	271
180970073	2012	3	4	4	V	0.06	0	3.83	266
180970073	2012	3	4	5	V	1.4	0	3.56	259
180970073	2012	3	4	6	V	6.1	0	3.57	255
180970073	2012	3	4	7	V	6.1	0.1	4.42	251
180970073	2012	3	4	8	V	2.7	0.1	4.46	257
180970073	2012	3	4	9	V	0.1	0	5.09	267
180970073	2012	3	4	10	V	0.01	0	6.23	278
180970073	2012	3	4	11	V	0.01	0	6.36	283
180970073	2012	3	4	12	V	0.01	0	6.33	281
180970073	2012	3	4	13	V	0.01	0.1	6.35	273
180970073	2012	3	4	14	V	0.4	0.1	6.16	261
180970073	2012	3	4	15	V	0.09	0	5.72	264
180970073	2012	3	4	16	V	0.02	0	5.38	269
180970073	2012	3	4	17	V	4.0	0	6.53	256
180970073	2012	3	4	18	V	0.05	0	6.14	270
180970073	2012	3	4	19	V	2.9	0	4.9	258
180970073	2012	3	4	20	V	0.04	0.1	3.01	271
180970073	2012	3	4	21	V	0.6	0.3	3.12	262
180970073	2012	3	4	22	V	0.1	0.2	2.45	265
180970073	2012	3	4	23	V	2.2	0	3.52	259
180970073	2012	3	4	24	V	0.03	0	4.17	302
180970073	2012	3	5	1	V	0.03	0	4.53	324
180970073	2012	3	5	2	V	0.03	0	6.04	324
180970073	2012	3	5	3	V	0.02	0	6.02	316
180970073	2012	3	5	4	V	0.03	0	6.01	310
180970073	2012	3	5	5	V	0.03	0	5.87	301
180970073	2012	3	5	6	V	0.04	0.2	5.96	306
180970073	2012	3	5	7	V	0.06	0.1	5.38	309
180970073	2012	3	5	8	V	0.03	0.1	6.06	305
180970073	2012	3	5	9	V	0.05	0.2	5.65	308
180970073	2012	3	5	10	V	0.04	0.2	5.82	314
180970073	2012	3	5	11	V	0.1	0.1	4.66	320
180970073	2012	3	5	12	V	0.06	0.4	5.33	314
180970073	2012	3	5	13	V	0.06	0.8	5.38	299
180970073	2012	3	5	14	V	0.07	0.6	4.51	296
180970073	2012	3	5	15	V	0.06	0.2	4.54	291
180970073	2012	3	5	16	V	0.03	0	4.61	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	5	17	V	0.1	0	4.17	266
180970073	2012	3	5	18	V	0.2	1.7	3.81	222
180970073	2012	3	5	19	V	0.04	8.1	3.2	215
180970073	2012	3	5	20	V	0.05	0.3	2.69	207
180970073	2012	3	5	21	V	0.03	0.2	3.78	204
180970073	2012	3	5	22	V	0.02	0.6	4.54	200
180970073	2012	3	5	23	V	0.02	0.1	4.61	200
180970073	2012	3	5	24	V	0.02	0	4.65	164
180970073	2012	3	6	1	V	0.02	0	4.97	148
180970073	2012	3	6	2	V	0.03	0	5.7	150
180970073	2012	3	6	3	V	0.02	0	5.41	143
180970073	2012	3	6	4	V	0.02	0	5.14	146
180970073	2012	3	6	5	V	0.02	0.1	5.89	145
180970073	2012	3	6	6	V	0.02	0.2	5.48	151
180970073	2012	3	6	7	V	0.02	0.3	5.17	147
180970073	2012	3	6	8	V	0.06	1.2	4.43	151
180970073	2012	3	6	9	V	0.05	1.3	4.85	158
180970073	2012	3	6	10	V	0.02	1.2	6.5	168
180970073	2012	3	6	11	V	0.01	1	6.82	179
180970073	2012	3	6	12	V	0.01	0.6	7.88	185
180970073	2012	3	6	13	V	0.01	0.5	8.83	193
180970073	2012	3	6	14	V	0.01	0.5	8.42	193
180970073	2012	3	6	15	V	0.004	0.9	10.38	203
180970073	2012	3	6	16	V	0.003	1.1	10.8	205
180970073	2012	3	6	17	V	0.02	0.8	10.9	202
180970073	2012	3	6	18	V	0.02	0.9	10.22	192
180970073	2012	3	6	19	V	0.02	1	9.19	189
180970073	2012	3	6	20	V	0.02	0.5	6.91	184
180970073	2012	3	6	21	V	0.02	0	6.7	172
180970073	2012	3	6	22	V	0.02	0	7.89	173
180970073	2012	3	6	23	V	0.02	0	8.91	182
180970073	2012	3	6	24	V	0.01	0	8.54	187
180970073	2012	3	7	1	V	0.01	0	7.69	187
180970073	2012	3	7	2	V	0.01	0.4	8.52	193
180970073	2012	3	7	3	V	0.01	0.4	9.36	198
180970073	2012	3	7	4	V	0.01	0.6	8.16	197
180970073	2012	3	7	5	V	0.01	0.7	7.82	196
180970073	2012	3	7	6	V	0.01	0.3	6.86	193
180970073	2012	3	7	7	V	0.01	0.6	7.71	200
180970073	2012	3	7	8	V	0.004	0.6	9.69	195
180970073	2012	3	7	9	V	0.004	0.8	9.95	194
180970073	2012	3	7	10	V	0.003	1.1	11.85	197
180970073	2012	3	7	11	V	0.003	0.8	11.87	198
180970073	2012	3	7	12	V	0.003	0.9	11.67	205
180970073	2012	3	7	13	V	0.002	0.8	13.32	210
180970073	2012	3	7	14	V	0.003	0.5	12.91	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	7	15	V	0.002	0.5	13.06	205
180970073	2012	3	7	16	V	0.002	0	12.07	209
180970073	2012	3	7	17	V	0.01	0	12.5	205
180970073	2012	3	7	18	V	0.01	0.2	10.6	192
180970073	2012	3	7	19	V	0.02	0.2	9.18	194
180970073	2012	3	7	20	V	0.02	0.4	8.98	192
180970073	2012	3	7	21	V	0.02	0.1	9.2	186
180970073	2012	3	7	22	V	0.02	0.1	9.36	184
180970073	2012	3	7	23	V	0.02	0	9.73	184
180970073	2012	3	7	24	V	0.01	0	8.83	189
180970073	2012	3	8	1	V	0.01	0	7.93	192
180970073	2012	3	8	2	V	0.01	0	8.79	196
180970073	2012	3	8	3	V	0.01	0	10.46	200
180970073	2012	3	8	4	V	0.01	0	13.06	209
180970073	2012	3	8	5	V	0.01	0	12.26	210
180970073	2012	3	8	6	V	0.01	0	10.97	211
180970073	2012	3	8	7	V	0.002	0	9.07	208
180970073	2012	3	8	8	V	0.002	0	8.37	213
180970073	2012	3	8	9	V	0.5	0	5.56	235
180970073	2012	3	8	10	V	0.003	0	7.06	292
180970073	2012	3	8	11	V	0.01	0	4.53	303
180970073	2012	3	8	12	V	0.004	0	6.01	294
180970073	2012	3	8	13	V	0.002	0	7.54	290
180970073	2012	3	8	14	V	0.003	0	7.33	298
180970073	2012	3	8	15	V	0.002	0	8.15	299
180970073	2012	3	8	16	V	0.01	0	7.64	300
180970073	2012	3	8	17	V	0.01	0	7.96	294
180970073	2012	3	8	18	V	0.01	0	8.2	288
180970073	2012	3	8	19	V	0.01	0	6.3	289
180970073	2012	3	8	20	V	0.01	0	6.45	303
180970073	2012	3	8	21	V	0.01	0	3.68	288
180970073	2012	3	8	22	V	0.01	0	3.92	270
180970073	2012	3	8	23	V	0.01	0	4.12	270
180970073	2012	3	8	24	V	2.8	0	3.52	258
180970073	2012	3	9	1	V	5.9	0	4	255
180970073	2012	3	9	2	V	0.01	0	5.6	276
180970073	2012	3	9	3	V	0.01	0	6.19	275
180970073	2012	3	9	4	V	1.0	0	5.39	261
180970073	2012	3	9	5	V	7.1	0	4.92	250
180970073	2012	3	9	6	V	5.7	1.4	6.31	250
180970073	2012	3	9	7	V	0.01	1.4	7.31	271
180970073	2012	3	9	8	V	0.003	0.5	7.13	286
180970073	2012	3	9	9	V	0.002	0	8.33	304
180970073	2012	3	9	10	V	0.002	0	9.24	313
180970073	2012	3	9	11	V	0.002	0	8.79	321
180970073	2012	3	9	12	V	0.002	0	8.79	322

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	9	13	V	0.003	0	8.1	319
180970073	2012	3	9	14	V	0.003	0	7.54	313
180970073	2012	3	9	15	V	0.003	0	7.76	321
180970073	2012	3	9	16	V	0.002	0	8.28	325
180970073	2012	3	9	17	V	0.01	0	6.91	325
180970073	2012	3	9	18	V	0.01	0	5.78	338
180970073	2012	3	9	19	V	0.01	0	4.7	341
180970073	2012	3	9	20	V	0.01	0.6	3.73	356
180970073	2012	3	9	21	V	0.01	0.2	4.46	24
180970073	2012	3	9	22	V	0.01	0	4.14	32
180970073	2012	3	9	23	V	0.01	0	4.1	43
180970073	2012	3	9	24	V	0.01	0	4.53	43
180970073	2012	3	10	1	V	0.01	0	3.24	47
180970073	2012	3	10	2	V	0.01	0	2.39	66
180970073	2012	3	10	3	V	0.01	0	2.35	97
180970073	2012	3	10	4	V	0.01	0	2.47	93
180970073	2012	3	10	5	V	0.01	0	2.83	79
180970073	2012	3	10	6	V	0.01	0	3.03	92
180970073	2012	3	10	7	V	0.03	0	3.49	102
180970073	2012	3	10	8	V	0.02	0	4.39	122
180970073	2012	3	10	9	V	0.01	0	5.43	133
180970073	2012	3	10	10	V	0.01	0.1	5.09	141
180970073	2012	3	10	11	V	0.01	0	4.99	167
180970073	2012	3	10	12	V	0.02	3.3	4.2	162
180970073	2012	3	10	13	V	0.03	8.6	3.73	177
180970073	2012	3	10	14	V	0.01	6.4	5.11	193
180970073	2012	3	10	15	V	0.02	5.4	4.1	190
180970073	2012	3	10	16	V	0.01	4.3	4.12	196
180970073	2012	3	10	17	V	0.01	2.7	3.95	188
180970073	2012	3	10	18	V	0.01	1.1	4.34	186
180970073	2012	3	10	19	V	0.01	0.2	3.56	177
180970073	2012	3	10	20	V	0.01	0	3.46	137
180970073	2012	3	10	21	V	0.01	0	4.31	142
180970073	2012	3	10	22	V	0.01	0	4.24	155
180970073	2012	3	10	23	V	0.01	-999	3.44	164
180970073	2012	3	10	24	V	0.01	0	2.38	168
180970073	2012	3	11	1	V	0.02	0.2	1.91	131
180970073	2012	3	11	2	V	0.01	1.8	2.67	136
180970073	2012	3	11	3	V	0.01	1.5	2.96	147
180970073	2012	3	11	4	V	0.01	0.3	2.49	170
180970073	2012	3	11	5	V	0.02	0	2.03	164
180970073	2012	3	11	6	V	0.02	0	2.06	118
180970073	2012	3	11	7	V	0.08	0	1.99	124
180970073	2012	3	11	8	V	0.1	0	1.72	144
180970073	2012	3	11	9	V	0.1	0.3	1.89	139
180970073	2012	3	11	10	V	0.05	1	3.23	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	11	11	V	0.01	2.7	5.21	188
180970073	2012	3	11	12	V	0.01	1.7	5.46	205
180970073	2012	3	11	13	V	0.01	0.7	4.56	192
180970073	2012	3	11	14	V	0.004	0.5	5.63	188
180970073	2012	3	11	15	V	0.01	0.9	4.76	179
180970073	2012	3	11	16	V	0.01	1	4.27	174
180970073	2012	3	11	17	V	0.01	0.8	4.88	168
180970073	2012	3	11	18	V	0.01	0.2	4.09	147
180970073	2012	3	11	19	V	0.01	0.2	4.37	143
180970073	2012	3	11	20	V	0.01	0.2	3.47	134
180970073	2012	3	11	21	V	0.01	0	4.71	144
180970073	2012	3	11	22	V	0.01	0	4.6	147
180970073	2012	3	11	23	V	0.01	0	4.34	144
180970073	2012	3	11	24	V	0.01	0	5.04	151
180970073	2012	3	12	1	V	0.01	0	5.12	160
180970073	2012	3	12	2	V	0.01	0	3.93	159
180970073	2012	3	12	3	V	0.01	0	4.82	156
180970073	2012	3	12	4	V	0.01	0	5.04	150
180970073	2012	3	12	5	V	0.01	0	4.27	145
180970073	2012	3	12	6	V	0.01	0	4.53	143
180970073	2012	3	12	7	V	0.01	0	4.41	147
180970073	2012	3	12	8	V	0.01	0	5.16	155
180970073	2012	3	12	9	V	0.003	0	7.52	181
180970073	2012	3	12	10	V	0.003	0	7.43	176
180970073	2012	3	12	11	V	0.002	0	8.01	180
180970073	2012	3	12	12	V	0.002	0	8.79	183
180970073	2012	3	12	13	V	0.002	0	9.29	185
180970073	2012	3	12	14	V	0.002	0	9.08	184
180970073	2012	3	12	15	V	0.002	0	9.56	189
180970073	2012	3	12	16	V	0.001	0	11.74	196
180970073	2012	3	12	17	V	0.01	0	11.38	190
180970073	2012	3	12	18	V	0.01	0	10.36	192
180970073	2012	3	12	19	V	0.01	0	8.35	193
180970073	2012	3	12	20	V	0.01	0	6.45	192
180970073	2012	3	12	21	V	0.01	0	6.07	190
180970073	2012	3	12	22	V	0.01	0	6.07	189
180970073	2012	3	12	23	V	0.01	0	6.82	202
180970073	2012	3	12	24	V	0.01	0	6.46	213
180970073	2012	3	13	1	V	0.3	0	6.72	228
180970073	2012	3	13	2	V	0.5	0	5.73	234
180970073	2012	3	13	3	V	0.5	0.1	4.71	234
180970073	2012	3	13	4	V	0.3	0	3.81	237
180970073	2012	3	13	5	V	4.3	0	3.37	256
180970073	2012	3	13	6	V	0.01	0	2.32	276
180970073	2012	3	13	7	V	4.8	1.2	2.69	246
180970073	2012	3	13	8	V	7.0	0.7	1.81	252

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	13	9	V	4.5	1.6	1.52	240
180970073	2012	3	13	10	V	5.6	0.9	2.25	245
180970073	2012	3	13	11	V	4.3	2.7	2.49	246
180970073	2012	3	13	12	V	3.3	6.2	2.66	243
180970073	2012	3	13	13	V	3.3	4.6	3.27	246
180970073	2012	3	13	14	V	3.3	0.2	3.3	255
180970073	2012	3	13	15	V	0.2	0	3.86	268
180970073	2012	3	13	16	V	0.1	0	3.27	269
180970073	2012	3	13	17	V	0.05	0	2.96	266
180970073	2012	3	13	18	V	0.02	0	2.66	266
180970073	2012	3	13	19	V	0.02	0	2.11	327
180970073	2012	3	13	20	V	0.2	0	0.86	18
180970073	2012	3	13	21	V	0.1	0	1.01	63
180970073	2012	3	13	22	V	0.02	0	2.15	175
180970073	2012	3	13	23	V	0.02	0	2.18	162
180970073	2012	3	13	24	V	0.01	0	3.81	166
180970073	2012	3	14	1	V	0.01	0	2.33	177
180970073	2012	3	14	2	V	0.01	0	3.92	173
180970073	2012	3	14	3	V	0.01	0	2.66	197
180970073	2012	3	14	4	V	0.01	0	3.13	207
180970073	2012	3	14	5	V	0.02	0	2.4	211
180970073	2012	3	14	6	V	0.01	0	2.5	192
180970073	2012	3	14	7	V	0.04	0	3.12	184
180970073	2012	3	14	8	V	0.06	0	2.86	161
180970073	2012	3	14	9	V	0.07	0.7	2.98	175
180970073	2012	3	14	10	V	0.02	1.6	4.59	203
180970073	2012	3	14	11	V	0.02	1.1	4.65	187
180970073	2012	3	14	12	V	0.02	0.6	4.24	188
180970073	2012	3	14	13	V	0.01	0	5.89	206
180970073	2012	3	14	14	V	0.005	0	6.13	195
180970073	2012	3	14	15	V	0.003	0	6.55	204
180970073	2012	3	14	16	V	0.003	0	6.64	211
180970073	2012	3	14	17	V	0.01	0	6.69	215
180970073	2012	3	14	18	V	0.01	0	6.53	212
180970073	2012	3	14	19	V	0.01	0	5.14	211
180970073	2012	3	14	20	V	0.01	0	3.85	191
180970073	2012	3	14	21	V	0.01	0	3.9	177
180970073	2012	3	14	22	V	0.01	0	4.22	174
180970073	2012	3	14	23	V	0.01	0.1	4.9	170
180970073	2012	3	14	24	V	0.01	0	4.2	177
180970073	2012	3	15	1	V	0.01	0	3.71	169
180970073	2012	3	15	2	V	0.01	0	5.16	200
180970073	2012	3	15	3	V	0.01	0	4.77	207
180970073	2012	3	15	4	V	0.01	0	4.1	219
180970073	2012	3	15	5	V	0.01	0	4.24	218
180970073	2012	3	15	6	V	0.2	0	4	226

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	15	7	V	0.7	0	4.78	234
180970073	2012	3	15	8	V	0.7	0	4.76	229
180970073	2012	3	15	9	V	0.5	0.1	4.49	226
180970073	2012	3	15	10	V	0.4	2.2	6.58	229
180970073	2012	3	15	11	V	0.3	1.7	6.75	227
180970073	2012	3	15	12	V	0.2	0.5	7.16	226
180970073	2012	3	15	13	V	0.1	0	7.04	224
180970073	2012	3	15	14	V	0.1	0	7.08	224
180970073	2012	3	15	15	V	0.03	0	7.35	222
180970073	2012	3	15	16	V	0.04	0	7.69	224
180970073	2012	3	15	17	V	0.9	0	9.05	240
180970073	2012	3	15	18	V	0.01	0	5.04	215
180970073	2012	3	15	19	V	0.01	0	4.53	210
180970073	2012	3	15	20	V	0.01	0	3.46	190
180970073	2012	3	15	21	V	0.01	0	3.54	177
180970073	2012	3	15	22	V	0.01	0	4.46	155
180970073	2012	3	15	23	V	0.01	0	3.29	156
180970073	2012	3	15	24	V	0.01	0	4.39	154
180970073	2012	3	16	1	V	0.01	0	3.86	163
180970073	2012	3	16	2	V	0.01	0	3.52	170
180970073	2012	3	16	3	V	0.01	0	3.12	199
180970073	2012	3	16	4	V	0.01	0	4.15	209
180970073	2012	3	16	5	V	0.01	0	2.37	174
180970073	2012	3	16	6	V	0.5	0	2.45	237
180970073	2012	3	16	7	V	0.2	0	1.47	187
180970073	2012	3	16	8	V	0.4	0	1.04	108
180970073	2012	3	16	9	V	0.1	0	2.18	172
180970073	2012	3	16	10	V	0.1	0	2.69	169
180970073	2012	3	16	11	V	0.03	0	3.61	197
180970073	2012	3	16	12	V	0.03	0	3.97	203
180970073	2012	3	16	13	V	0.02	0	4.09	193
180970073	2012	3	16	14	V	0.02	0	4.15	196
180970073	2012	3	16	15	V	0.02	0	4.02	198
180970073	2012	3	16	16	V	0.01	0	4.56	183
180970073	2012	3	16	17	V	0.01	0	4.58	193
180970073	2012	3	16	18	V	0.01	0	5.09	170
180970073	2012	3	16	19	V	0.01	0	5.12	153
180970073	2012	3	16	20	V	0.01	0	4.37	144
180970073	2012	3	16	21	V	0.01	0	4.14	144
180970073	2012	3	16	22	V	0.01	0	3.68	153
180970073	2012	3	16	23	V	0.01	0	3.06	135
180970073	2012	3	16	24	V	0.01	0	3.59	142
180970073	2012	3	17	1	V	0.01	0	3.29	150
180970073	2012	3	17	2	V	0.02	0	2.13	146
180970073	2012	3	17	3	V	0.02	0	1.77	115
180970073	2012	3	17	4	V	0.02	0	1.91	111

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	17	5	V	0.01	0	2.61	114
180970073	2012	3	17	6	V	0.04	0	1.47	116
180970073	2012	3	17	7	V	0.1	0	1.82	121
180970073	2012	3	17	8	V	0.1	0	2.06	132
180970073	2012	3	17	9	V	0.06	0	3.18	114
180970073	2012	3	17	10	V	0.08	0	2.98	153
180970073	2012	3	17	11	V	0.03	0	3.64	140
180970073	2012	3	17	12	V	0.01	0	4.37	147
180970073	2012	3	17	13	V	0.02	0	3.92	163
180970073	2012	3	17	14	V	0.02	0	3.49	180
180970073	2012	3	17	15	V	0.01	0	3.71	170
180970073	2012	3	17	16	V	0.01	0	3.61	191
180970073	2012	3	17	17	V	0.01	0	3.42	201
180970073	2012	3	17	18	V	0.01	0	3.08	181
180970073	2012	3	17	19	V	0.01	0	2.9	169
180970073	2012	3	17	20	V	0.01	0	2.95	164
180970073	2012	3	17	21	V	0.01	0	3.61	140
180970073	2012	3	17	22	V	0.01	0	6.34	153
180970073	2012	3	17	23	V	0.01	-999	3.88	147
180970073	2012	3	17	24	V	0.01	-999	5.85	213
180970073	2012	3	18	1	V	0.02	0	4.03	221
180970073	2012	3	18	2	V	0.01	0	2.5	169
180970073	2012	3	18	3	V	0.01	0	2.37	187
180970073	2012	3	18	4	V	0.01	0	2.79	195
180970073	2012	3	18	5	V	0.01	0	2.86	154
180970073	2012	3	18	6	V	0.02	0	1.55	174
180970073	2012	3	18	7	V	0.07	0	1.87	177
180970073	2012	3	18	8	V	0.1	0	1.99	155
180970073	2012	3	18	9	V	0.05	0	2.98	180
180970073	2012	3	18	10	V	0.02	0.1	4.61	206
180970073	2012	3	18	11	V	0.7	0.7	5.02	232
180970073	2012	3	18	12	V	0.4	1	6.3	230
180970073	2012	3	18	13	V	0.6	4.3	5.73	240
180970073	2012	3	18	14	V	0.5	0.9	4.97	237
180970073	2012	3	18	15	V	0.3	-999	5.39	237
180970073	2012	3	18	16	V	0.3	0.2	4.65	232
180970073	2012	3	18	17	V	0.2	0	4.82	226
180970073	2012	3	18	18	V	0.6	0	5.97	229
180970073	2012	3	18	19	V	1.4	0	3.93	233
180970073	2012	3	18	20	V	0.4	0.1	4.58	226
180970073	2012	3	18	21	V	0.01	1.5	3.17	217
180970073	2012	3	18	22	V	0.01	0	3.51	204
180970073	2012	3	18	23	V	0.01	0.1	2.86	191
180970073	2012	3	18	24	V	0.01	0	2.32	177
180970073	2012	3	19	1	V	0.01	0	2.81	158
180970073	2012	3	19	2	V	0.01	-999	3.81	155

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	19	3	V	0.01	0	3.13	148
180970073	2012	3	19	4	V	0.02	0	3.35	162
180970073	2012	3	19	5	V	0.02	0	2.66	184
180970073	2012	3	19	6	V	0.03	0	2.38	172
180970073	2012	3	19	7	V	0.1	0	3.1	172
180970073	2012	3	19	8	V	0.2	-999	2.95	164
180970073	2012	3	19	9	V	0.2	0.7	2.83	170
180970073	2012	3	19	10	V	0.08	1.5	3.85	184
180970073	2012	3	19	11	V	0.05	1.6	4.36	195
180970073	2012	3	19	12	V	0.07	-999	3.85	202
180970073	2012	3	19	13	V	0.04	0.1	5.02	189
180970073	2012	3	19	14	V	0.03	0	4.56	196
180970073	2012	3	19	15	V	0.04	0	4.03	189
180970073	2012	3	19	16	V	0.02	0.1	5.41	163
180970073	2012	3	19	17	V	0.03	0	5.9	139
180970073	2012	3	19	18	V	0.03	0	5.6	163
180970073	2012	3	19	19	V	0.02	0	4.73	154
180970073	2012	3	19	20	V	0.03	0	4.34	147
180970073	2012	3	19	21	V	0.03	0.2	4.2	150
180970073	2012	3	19	22	V	0.02	0	3.97	144
180970073	2012	3	19	23	V	0.02	0	4.41	145
180970073	2012	3	19	24	V	0.02	-999	4.17	147
180970073	2012	3	20	1	V	0.02	-999	3.78	146
180970073	2012	3	20	2	V	0.02	-999	3.49	148
180970073	2012	3	20	3	V	0.02	-999	4	160
180970073	2012	3	20	4	V	0.02	-999	3.98	151
180970073	2012	3	20	5	V	0.02	-999	2.96	118
180970073	2012	3	20	6	V	0.03	-999	3.24	121
180970073	2012	3	20	7	V	0.08	-999	3.52	121
180970073	2012	3	20	8	V	0.07	-999	3.91	124
180970073	2012	3	20	9	V	0.05	-999	4.66	131
180970073	2012	3	20	10	V	0.1	-999	3.17	154
180970073	2012	3	20	11	V	0.09	-999	3.25	145
180970073	2012	3	20	12	V	0.07	-999	3.07	129
180970073	2012	3	20	13	V	0.03	-999	4.63	135
180970073	2012	3	20	14	V	0.04	-999	4.03	151
180970073	2012	3	20	15	V	0.03	-999	3.88	184
180970073	2012	3	20	16	V	0.01	-999	4.99	161
180970073	2012	3	20	17	V	0.02	-999	6.07	146
180970073	2012	3	20	18	V	0.02	-999	6.36	135
180970073	2012	3	20	19	V	0.02	-999	5.39	133
180970073	2012	3	20	20	V	0.02	-999	3.69	134
180970073	2012	3	20	21	V	0.03	-999	2.86	128
180970073	2012	3	20	22	V	0.02	-999	2.93	117
180970073	2012	3	20	23	V	0.03	-999	2.54	116
180970073	2012	3	20	24	V	0.02	-999	3.18	114

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	21	1	V	0.02	-999	2.89	115
180970073	2012	3	21	2	V	0.02	-999	3.01	112
180970073	2012	3	21	3	V	0.02	-999	3.3	116
180970073	2012	3	21	4	V	0.02	-999	3.68	125
180970073	2012	3	21	5	V	0.02	-999	3.23	126
180970073	2012	3	21	6	V	0.03	-999	3.83	113
180970073	2012	3	21	7	V	0.06	-999	4.05	127
180970073	2012	3	21	8	V	0.1	-999	3.57	127
180970073	2012	3	21	9	V	0.2	-999	3.3	132
180970073	2012	3	21	10	V	0.2	-999	2.55	178
180970073	2012	3	21	11	V	0.08	-999	3.41	200
180970073	2012	3	21	12	V	0.04	-999	4	194
180970073	2012	3	21	13	V	0.05	-999	3.41	179
180970073	2012	3	21	14	V	0.03	-999	4.02	154
180970073	2012	3	21	15	V	0.01	-999	5.29	141
180970073	2012	3	21	16	V	0.01	-999	5.68	143
180970073	2012	3	21	17	V	0.02	-999	6.79	138
180970073	2012	3	21	18	V	0.02	-999	5.84	141
180970073	2012	3	21	19	V	0.02	-999	4.63	137
180970073	2012	3	21	20	V	0.03	-999	3.42	145
180970073	2012	3	21	21	V	0.03	-999	2.79	138
180970073	2012	3	21	22	V	0.02	-999	3.23	137
180970073	2012	3	21	23	V	0.02	-999	3.12	142
180970073	2012	3	21	24	V	0.02	-999	3.37	148
180970073	2012	3	22	1	V	0.03	1.7	3.34	156
180970073	2012	3	22	2	V	0.02	2.8	2.96	175
180970073	2012	3	22	3	V	0.02	0.9	2.86	172
180970073	2012	3	22	4	V	0.02	0	4.15	178
180970073	2012	3	22	5	V	0.02	0	2.32	125
180970073	2012	3	22	6	V	0.03	0	2.16	99
180970073	2012	3	22	7	V	0.1	0.4	2.71	109
180970073	2012	3	22	8	V	0.1	0.7	3.59	128
180970073	2012	3	22	9	V	0.09	0.4	3.64	136
180970073	2012	3	22	10	V	0.04	0.4	4.58	173
180970073	2012	3	22	11	V	0.03	0.2	4.65	181
180970073	2012	3	22	12	V	0.02	0	4.73	175
180970073	2012	3	22	13	V	0.03	0	4.39	171
180970073	2012	3	22	14	V	0.01	0	5.36	159
180970073	2012	3	22	15	V	0.01	0	5.59	198
180970073	2012	3	22	16	V	0.01	0	5.3	202
180970073	2012	3	22	17	V	2.6	1	7.57	224
180970073	2012	3	22	18	V	7.2	12.4	3.73	249
180970073	2012	3	22	19	V	0.1	40.8	1.16	81
180970073	2012	3	22	20	V	0.06	22.3	1.91	100
180970073	2012	3	22	21	V	0.2	6.1	1.14	108
180970073	2012	3	22	22	V	0.09	1	1.59	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	22	23	V	0.1	0	3.1	221
180970073	2012	3	22	24	V	0.05	0	1.82	113
180970073	2012	3	23	1	V	0.02	0	4.14	119
180970073	2012	3	23	2	V	0.02	0	4.44	123
180970073	2012	3	23	3	V	0.02	0	3.68	107
180970073	2012	3	23	4	V	0.02	0	3.01	111
180970073	2012	3	23	5	V	0.02	0	3.35	131
180970073	2012	3	23	6	V	0.03	0	3.74	125
180970073	2012	3	23	7	V	0.03	0	4.58	127
180970073	2012	3	23	8	V	0.02	0	5.12	131
180970073	2012	3	23	9	V	0.02	0	5.55	140
180970073	2012	3	23	10	V	0.03	0	5.43	133
180970073	2012	3	23	11	V	0.05	0	4.54	133
180970073	2012	3	23	12	V	0.05	0	4.05	144
180970073	2012	3	23	13	V	0.05	0	4.2	168
180970073	2012	3	23	14	V	0.08	0	3.46	148
180970073	2012	3	23	15	V	0.06	0	3.64	116
180970073	2012	3	23	16	V	0.03	0	4.36	123
180970073	2012	3	23	17	V	0.03	0	5.07	108
180970073	2012	3	23	18	V	0.02	0	4.46	107
180970073	2012	3	23	19	V	0.02	0	4.99	350
180970073	2012	3	23	20	V	0.03	0	4.17	358
180970073	2012	3	23	21	V	0.02	0	4.14	27
180970073	2012	3	23	22	V	0.9	0	3.07	261
180970073	2012	3	23	23	V	0.01	0	4.29	39
180970073	2012	3	23	24	V	0.01	0	2.88	357
180970073	2012	3	24	1	V	0.01	0	3.76	67
180970073	2012	3	24	2	V	0.01	0	2.5	67
180970073	2012	3	24	3	V	0.01	0	2.39	103
180970073	2012	3	24	4	V	0.01	0	4.24	182
180970073	2012	3	24	5	V	0.01	0	4.24	188
180970073	2012	3	24	6	V	0.4	0	3.74	226
180970073	2012	3	24	7	V	4.8	0	3.81	248
180970073	2012	3	24	8	V	6.4	1.8	2.49	254
180970073	2012	3	24	9	V	0.1	1.4	3.18	273
180970073	2012	3	24	10	V	0.4	1	2.95	273
180970073	2012	3	24	11	V	2.8	0.5	2.81	261
180970073	2012	3	24	12	V	2.6	0	1.57	265
180970073	2012	3	24	13	V	0.6	0	1.33	217
180970073	2012	3	24	14	V	3.6	0	1.35	245
180970073	2012	3	24	15	V	0.2	0	1.13	182
180970073	2012	3	24	16	V	4.0	0	1.69	249
180970073	2012	3	24	17	V	0.03	0	1.64	114
180970073	2012	3	24	18	V	0.2	0	1.74	223
180970073	2012	3	24	19	V	4.3	0	2.59	246
180970073	2012	3	24	20	V	7.7	0	4.09	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	24	21	V	0.2	0	3.86	265
180970073	2012	3	24	22	V	0.01	0	3.1	290
180970073	2012	3	24	23	V	0.01	-999	2.45	300
180970073	2012	3	24	24	V	0.01	0	3.71	325
180970073	2012	3	25	1	V	0.01	0	3.81	343
180970073	2012	3	25	2	V	0.01	0	3.85	333
180970073	2012	3	25	3	V	0.01	0	4.48	336
180970073	2012	3	25	4	V	0.01	0	3.29	346
180970073	2012	3	25	5	V	0.01	0	3.98	326
180970073	2012	3	25	6	V	0.01	0	4.78	336
180970073	2012	3	25	7	V	0.01	0	4.99	337
180970073	2012	3	25	8	V	0.06	0	2.78	355
180970073	2012	3	25	9	V	0.03	0	3.86	325
180970073	2012	3	25	10	V	0.01	0	4.85	331
180970073	2012	3	25	11	V	0.01	0	5.12	324
180970073	2012	3	25	12	V	0.01	0	5.34	331
180970073	2012	3	25	13	V	0.01	0	5.11	330
180970073	2012	3	25	14	V	0.01	0	4.37	339
180970073	2012	3	25	15	V	0.01	0	4.44	339
180970073	2012	3	25	16	V	0.01	0	4.71	334
180970073	2012	3	25	17	V	0.01	0	4.78	339
180970073	2012	3	25	18	V	0.01	0	4.59	354
180970073	2012	3	25	19	V	0.01	0	3.91	329
180970073	2012	3	25	20	V	0.01	0	2.67	305
180970073	2012	3	25	21	V	0.01	0	3.35	319
180970073	2012	3	25	22	V	0.01	0	3.83	343
180970073	2012	3	25	23	V	0.01	0	3.49	351
180970073	2012	3	25	24	V	0.01	0	3.81	6
180970073	2012	3	26	1	V	0.01	0	3.47	354
180970073	2012	3	26	2	V	0.01	0	4.27	354
180970073	2012	3	26	3	V	0.02	0	4.78	8
180970073	2012	3	26	4	V	0.02	0	5.12	12
180970073	2012	3	26	5	V	0.02	0	4.97	3
180970073	2012	3	26	6	V	0.03	0	5.41	16
180970073	2012	3	26	7	V	0.04	0	4.88	14
180970073	2012	3	26	8	V	0.03	0	5.12	28
180970073	2012	3	26	9	V	0.01	0	6.43	34
180970073	2012	3	26	10	V	0.02	0	5.82	40
180970073	2012	3	26	11	V	0.03	0	5.04	49
180970073	2012	3	26	12	V	0.02	0	5.38	41
180970073	2012	3	26	13	V	0.02	0	5.38	46
180970073	2012	3	26	14	V	0.03	0	4.88	62
180970073	2012	3	26	15	V	0.03	0	4.95	61
180970073	2012	3	26	16	V	0.02	0	4.88	65
180970073	2012	3	26	17	V	0.03	0	4.9	67
180970073	2012	3	26	18	V	0.02	0	5.63	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	26	19	V	0.02	0	5.94	74
180970073	2012	3	26	20	V	0.02	0	6.45	69
180970073	2012	3	26	21	V	0.02	0	6.84	70
180970073	2012	3	26	22	V	0.02	0	6.46	73
180970073	2012	3	26	23	V	0.02	0	6.81	83
180970073	2012	3	26	24	V	0.02	0	6.86	85
180970073	2012	3	27	1	V	0.02	0	5.75	86
180970073	2012	3	27	2	V	0.01	0	6.28	89
180970073	2012	3	27	3	V	0.01	0	5.9	101
180970073	2012	3	27	4	V	0.02	0	5.75	106
180970073	2012	3	27	5	V	0.02	0	5.61	106
180970073	2012	3	27	6	V	0.03	0	5.75	116
180970073	2012	3	27	7	V	0.02	0	6.02	113
180970073	2012	3	27	8	V	0.02	0.2	5.75	119
180970073	2012	3	27	9	V	0.01	0.5	6.89	127
180970073	2012	3	27	10	V	0.01	-999	6.4	129
180970073	2012	3	27	11	V	0.02	-999	5.31	136
180970073	2012	3	27	12	V	0.01	-999	6.06	144
180970073	2012	3	27	13	V	0.02	3.7	5.6	145
180970073	2012	3	27	14	V	0.05	2.6	4.07	138
180970073	2012	3	27	15	V	0.06	-999	3.8	134
180970073	2012	3	27	16	V	0.03	-999	4.63	139
180970073	2012	3	27	17	V	0.03	3.6	5.31	128
180970073	2012	3	27	18	V	0.02	1.5	5.82	140
180970073	2012	3	27	19	V	0.02	0	5.87	151
180970073	2012	3	27	20	V	0.02	0	5.17	150
180970073	2012	3	27	21	V	0.02	0	4.27	159
180970073	2012	3	27	22	V	0.02	0.1	4.29	161
180970073	2012	3	27	23	V	0.02	0.2	3.36	166
180970073	2012	3	27	24	V	0.02	0.2	3.86	182
180970073	2012	3	28	1	V	0.02	0.4	3.86	179
180970073	2012	3	28	2	V	0.02	0.7	5.36	214
180970073	2012	3	28	3	V	3.9	1.1	6.96	226
180970073	2012	3	28	4	V	4.5	6	5.96	227
180970073	2012	3	28	5	V	8.2	5.1	6.46	231
180970073	2012	3	28	6	V	5.8	1.3	7.96	228
180970073	2012	3	28	7	V	3.9	2.2	4.36	246
180970073	2012	3	28	8	V	2.7	12.7	5.54	248
180970073	2012	3	28	9	V	1.9	2.6	5.1	258
180970073	2012	3	28	10	V	0.01	1.3	6.58	289
180970073	2012	3	28	11	V	0.01	0	7.47	300
180970073	2012	3	28	12	V	0.01	0	7.6	288
180970073	2012	3	28	13	V	0.01	0	8.08	283
180970073	2012	3	28	14	V	0.01	0	9	283
180970073	2012	3	28	15	V	0.004	0	10.92	281
180970073	2012	3	28	16	V	0.003	0	10.73	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	28	17	V	0.02	0	9.34	290
180970073	2012	3	28	18	V	0.02	0	8.1	297
180970073	2012	3	28	19	V	0.02	0	6.48	301
180970073	2012	3	28	20	V	0.02	0	5.34	311
180970073	2012	3	28	21	V	0.02	0	4.8	309
180970073	2012	3	28	22	V	0.01	0	4.48	315
180970073	2012	3	28	23	V	0.01	0	5.6	351
180970073	2012	3	28	24	V	0.01	0	5.73	16
180970073	2012	3	29	1	V	0.01	0	4.34	34
180970073	2012	3	29	2	V	0.01	0	3.86	37
180970073	2012	3	29	3	V	0.01	0	3.34	45
180970073	2012	3	29	4	V	0.01	0	2.86	43
180970073	2012	3	29	5	V	0.01	0	2.62	42
180970073	2012	3	29	6	V	0.04	0	2.37	62
180970073	2012	3	29	7	V	0.2	0	1.59	72
180970073	2012	3	29	8	V	0.1	0	1.94	58
180970073	2012	3	29	9	V	0.03	0	3.75	81
180970073	2012	3	29	10	V	0.02	0	4.68	83
180970073	2012	3	29	11	V	0.02	0	3.95	92
180970073	2012	3	29	12	V	0.04	-999	3.03	84
180970073	2012	3	29	13	V	0.04	0	3.18	95
180970073	2012	3	29	14	V	0.03	0	2.96	131
180970073	2012	3	29	15	V	0.05	0	2.15	117
180970073	2012	3	29	16	V	0.05	0.2	2.08	88
180970073	2012	3	29	17	V	0.01	-999	3.01	105
180970073	2012	3	29	18	V	0.01	-999	2.69	100
180970073	2012	3	29	19	V	0.01	-999	2.32	93
180970073	2012	3	29	20	V	0.01	-999	3.13	68
180970073	2012	3	29	21	V	0.01	-999	3.73	53
180970073	2012	3	29	22	V	0.01	0	4.12	78
180970073	2012	3	29	23	V	0.01	0	5.14	79
180970073	2012	3	29	24	V	0.01	-999	5.17	95
180970073	2012	3	30	1	V	0.01	-999	6.09	103
180970073	2012	3	30	2	V	0.01	-999	5.1	113
180970073	2012	3	30	3	V	0.01	-999	4.56	97
180970073	2012	3	30	4	V	0.01	-999	4.42	85
180970073	2012	3	30	5	V	0.01	-999	5.14	106
180970073	2012	3	30	6	V	0.01	-999	5.5	120
180970073	2012	3	30	7	V	0.01	-999	5.31	126
180970073	2012	3	30	8	V	0.01	-999	4.97	130
180970073	2012	3	30	9	V	0.01	-999	6.5	142
180970073	2012	3	30	10	V	0.01	-999	6.16	151
180970073	2012	3	30	11	V	0.01	-999	5.46	166
180970073	2012	3	30	12	V	0.005	-999	6.11	188
180970073	2012	3	30	13	V	0.003	-999	7.57	202
180970073	2012	3	30	14	V	0.03	-999	10.71	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	3	30	15	V	0.2	-999	10.79	230
180970073	2012	3	30	16	V	0.1	-999	9.25	227
180970073	2012	3	30	17	V	1.5	-999	8.49	242
180970073	2012	3	30	18	V	0.4	-999	3.47	227
180970073	2012	3	30	19	V	0.01	-999	2.79	219
180970073	2012	3	30	20	V	0.02	-999	2.23	287
180970073	2012	3	30	21	V	0.01	-999	3.52	332
180970073	2012	3	30	22	V	0.01	-999	5.53	359
180970073	2012	3	30	23	V	0.01	-999	5.45	5
180970073	2012	3	30	24	V	0.01	-999	3.57	6
180970073	2012	3	31	1	V	0.01	-999	2.5	358
180970073	2012	3	31	2	V	0.01	-999	2.35	344
180970073	2012	3	31	3	V	0.01	-999	3.49	336
180970073	2012	3	31	4	V	0.01	-999	3.83	350
180970073	2012	3	31	5	V	0.01	-999	4.17	8
180970073	2012	3	31	6	V	0.02	-999	3.88	360
180970073	2012	3	31	7	V	0.02	-999	3.81	11
180970073	2012	3	31	8	V	0.01	-999	4.14	13
180970073	2012	3	31	9	V	0.01	-999	4.34	38
180970073	2012	3	31	10	V	0.02	-999	3.68	59
180970073	2012	3	31	11	V	0.03	-999	2.79	42
180970073	2012	3	31	12	V	0.02	-999	3.4	28
180970073	2012	3	31	13	V	0.04	-999	3.18	45
180970073	2012	3	31	14	V	0.02	-999	2.93	87
180970073	2012	3	31	15	V	0.03	-999	2.57	98
180970073	2012	3	31	16	V	0.02	-999	3.51	96
180970073	2012	3	31	17	V	0.01	-999	3.57	108
180970073	2012	3	31	18	V	0.01	-999	3.68	93
180970073	2012	3	31	19	V	0.01	-999	3.44	88
180970073	2012	3	31	20	V	0.01	-999	3.41	84
180970073	2012	3	31	21	V	0.01	-999	4.09	92
180970073	2012	3	31	22	V	0.01	-999	4.22	93
180970073	2012	3	31	23	V	0.01	-999	3.95	100
180970073	2012	3	31	24	V	0.01	-999	3.61	116
180970073	2012	4	1	1	V	0.01	-999	3.73	117
180970073	2012	4	1	2	V	0.01	-999	3.68	123
180970073	2012	4	1	3	V	0.01	-999	3.47	139
180970073	2012	4	1	4	V	0.01	-999	3.81	139
180970073	2012	4	1	5	V	0.01	-999	4	144
180970073	2012	4	1	6	V	0.02	-999	4.44	96
180970073	2012	4	1	7	V	0.01	-999	5.02	150
180970073	2012	4	1	8	V	0.03	-999	3.49	159
180970073	2012	4	1	9	V	0.09	-999	2.44	153
180970073	2012	4	1	10	V	0.05	-999	3.18	176
180970073	2012	4	1	11	V	0.01	-999	6.41	187
180970073	2012	4	1	12	V	0.06	-999	4.39	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	1	13	V	0.01	-999	6.47	209
180970073	2012	4	1	14	V	0.03	-999	7.26	220
180970073	2012	4	1	15	V	0.04	-999	6.77	221
180970073	2012	4	1	16	V	0.04	-999	6.86	222
180970073	2012	4	1	17	V	0.6	-999	6.48	233
180970073	2012	4	1	18	V	0.2	-999	4.78	226
180970073	2012	4	1	19	V	0.1	-999	3.24	224
180970073	2012	4	1	20	V	0.03	-999	1.55	192
180970073	2012	4	1	21	V	0.05	-999	1.42	80
180970073	2012	4	1	22	V	0.02	-999	2.38	99
180970073	2012	4	1	23	V	0.01	-999	3.42	48
180970073	2012	4	1	24	V	0.01	-999	5.72	59
180970073	2012	4	2	1	V	0.01	-999	5.85	60
180970073	2012	4	2	2	V	0.01	-999	5.79	63
180970073	2012	4	2	3	V	0.02	-999	5.7	71
180970073	2012	4	2	4	V	0.02	-999	6.29	67
180970073	2012	4	2	5	V	0.02	-999	6.47	74
180970073	2012	4	2	6	V	0.01	-999	7.28	81
180970073	2012	4	2	7	V	0.01	-999	7.01	77
180970073	2012	4	2	8	V	0.01	-999	8.16	84
180970073	2012	4	2	9	V	0.02	-999	7.54	92
180970073	2012	4	2	10	V	0.02	-999	7.65	98
180970073	2012	4	2	11	V	0.02	-999	6.96	92
180970073	2012	4	2	12	V	0.02	-999	7.06	91
180970073	2012	4	2	13	V	0.02	-999	6.97	110
180970073	2012	4	2	14	V	0.04	-999	5.9	108
180970073	2012	4	2	15	V	0.04	-999	5.62	108
180970073	2012	4	2	16	V	0.03	-999	5.89	109
180970073	2012	4	2	17	V	0.05	-999	5.36	110
180970073	2012	4	2	18	V	0.03	-999	5.63	115
180970073	2012	4	2	19	V	0.03	-999	4.32	126
180970073	2012	4	2	20	V	0.03	-999	4.05	93
180970073	2012	4	2	21	V	0.03	-999	4.7	89
180970073	2012	4	2	22	V	0.03	-999	4.68	97
180970073	2012	4	2	23	V	0.04	-999	4.34	105
180970073	2012	4	2	24	V	0.04	-999	5.24	102
180970073	2012	4	3	1	V	0.03	-999	4.61	109
180970073	2012	4	3	2	V	0.02	-999	3.68	112
180970073	2012	4	3	3	V	0.03	-999	2.95	118
180970073	2012	4	3	4	V	0.03	-999	2.79	108
180970073	2012	4	3	5	V	0.03	-999	2.98	92
180970073	2012	4	3	6	V	0.1	-999	3.13	112
180970073	2012	4	3	7	V	0.5	-999	2.25	115
180970073	2012	4	3	8	V	0.8	-999	2.05	118
180970073	2012	4	3	9	V	0.3	-999	3.4	152
180970073	2012	4	3	10	V	0.6	-999	2.62	182

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	3	11	V	0.2	-999	3.23	205
180970073	2012	4	3	12	V	1.3	-999	2.37	211
180970073	2012	4	3	13	V	2.0	-999	2.61	213
180970073	2012	4	3	14	V	23.8	-999	3.47	231
180970073	2012	4	3	15	V	21.1	-999	3.25	236
180970073	2012	4	3	16	V	1.0	-999	3.08	216
180970073	2012	4	3	17	V	9.9	-999	4.9	236
180970073	2012	4	3	18	V	3.8	-999	3.81	243
180970073	2012	4	3	19	V	29.6	-999	3.25	235
180970073	2012	4	3	20	V	0.06	-999	3.34	218
180970073	2012	4	3	21	V	32.2	-999	2.81	235
180970073	2012	4	3	22	V	4.2	-999	4.71	244
180970073	2012	4	3	23	V	0.03	-999	5.41	290
180970073	2012	4	3	24	V	0.03	-999	4.05	323
180970073	2012	4	4	1	V	0.04	-999	2.84	330
180970073	2012	4	4	2	V	0.04	-999	3.12	338
180970073	2012	4	4	3	V	0.04	-999	2.44	331
180970073	2012	4	4	4	V	0.05	-999	2.21	301
180970073	2012	4	4	5	V	0.04	-999	2.47	49
180970073	2012	4	4	6	V	0.05	-999	4.8	37
180970073	2012	4	4	7	V	0.07	-999	4.97	37
180970073	2012	4	4	8	V	0.05	-999	5.41	49
180970073	2012	4	4	9	V	0.04	-999	6.02	46
180970073	2012	4	4	10	V	0.04	-999	5.73	52
180970073	2012	4	4	11	V	0.04	-999	5.24	68
180970073	2012	4	4	12	V	0.04	-999	5.34	58
180970073	2012	4	4	13	V	0.1	-999	3.63	54
180970073	2012	4	4	14	V	0.05	-999	4.73	53
180970073	2012	4	4	15	V	0.02	-999	6.23	39
180970073	2012	4	4	16	V	0.01	-999	6.86	43
180970073	2012	4	4	17	V	0.05	-999	5	53
180970073	2012	4	4	18	V	0.04	-999	4.58	70
180970073	2012	4	4	19	V	0.04	-999	2.93	69
180970073	2012	4	4	20	V	0.04	-999	5.24	49
180970073	2012	4	4	21	V	0.04	-999	6.5	55
180970073	2012	4	4	22	V	0.04	-999	6.28	63
180970073	2012	4	4	23	V	0.03	-999	6.79	69
180970073	2012	4	4	24	V	0.03	-999	6.11	73
180970073	2012	4	5	1	V	0.03	-999	5.67	80
180970073	2012	4	5	2	V	0.03	-999	6.36	80
180970073	2012	4	5	3	V	0.03	-999	6.81	80
180970073	2012	4	5	4	V	0.03	-999	6.64	76
180970073	2012	4	5	5	V	0.03	-999	5.5	84
180970073	2012	4	5	6	V	0.06	-999	3.49	99
180970073	2012	4	5	7	V	0.06	-999	4.6	95
180970073	2012	4	5	8	V	0.01	-999	8.49	67

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	5	9	V	0.01	-999	9.24	70
180970073	2012	4	5	10	V	0.02	-999	6.77	73
180970073	2012	4	5	11	V	0.03	-999	5.96	70
180970073	2012	4	5	12	V	0.03	-999	5.96	62
180970073	2012	4	5	13	V	0.02	-999	6.84	58
180970073	2012	4	5	14	V	0.02	-999	6.52	67
180970073	2012	4	5	15	V	0.02	0	6.65	52
180970073	2012	4	5	16	V	0.02	0	6.28	53
180970073	2012	4	5	17	V	0.05	0	6.58	43
180970073	2012	4	5	18	V	0.03	0	6.64	46
180970073	2012	4	5	19	V	0.03	0	7.18	42
180970073	2012	4	5	20	V	0.03	0.3	6.6	45
180970073	2012	4	5	21	V	0.03	0.8	5.72	52
180970073	2012	4	5	22	V	0.03	0.8	5.44	53
180970073	2012	4	5	23	V	0.02	-999	5.77	58
180970073	2012	4	5	24	V	0.02	-999	6.06	55
180970073	2012	4	6	1	V	0.02	0.9	5.89	56
180970073	2012	4	6	2	V	0.02	1.4	5.85	55
180970073	2012	4	6	3	V	0.02	1.2	5	42
180970073	2012	4	6	4	V	0.02	0.7	4.68	45
180970073	2012	4	6	5	V	0.02	0.8	5.53	48
180970073	2012	4	6	6	V	0.04	0.6	4.61	42
180970073	2012	4	6	7	V	0.08	0.4	4.6	37
180970073	2012	4	6	8	V	0.09	0.9	4.88	42
180970073	2012	4	6	9	V	0.07	0.9	4.87	53
180970073	2012	4	6	10	V	0.05	0.5	5.7	55
180970073	2012	4	6	11	V	0.03	0.1	6.24	62
180970073	2012	4	6	12	V	0.04	0	5.82	61
180970073	2012	4	6	13	V	0.05	0.2	5.43	59
180970073	2012	4	6	14	V	0.04	0.2	5.39	61
180970073	2012	4	6	15	V	0.03	0	5.44	58
180970073	2012	4	6	16	V	0.03	0	4.65	74
180970073	2012	4	6	17	V	0.06	0	4.08	81
180970073	2012	4	6	18	V	0.03	0	4.44	66
180970073	2012	4	6	19	V	0.03	0	4.03	67
180970073	2012	4	6	20	V	0.03	0	3.57	57
180970073	2012	4	6	21	V	0.04	0	2.96	58
180970073	2012	4	6	22	V	0.03	0	3.2	69
180970073	2012	4	6	23	V	0.03	0	3.49	77
180970073	2012	4	6	24	V	0.03	0	3.44	84
180970073	2012	4	7	1	V	0.03	0	4.1	94
180970073	2012	4	7	2	V	0.03	0	4.17	104
180970073	2012	4	7	3	V	0.03	0	4.07	105
180970073	2012	4	7	4	V	0.03	0	3.41	109
180970073	2012	4	7	5	V	0.04	0	3.05	102
180970073	2012	4	7	6	V	0.3	0	2.13	114

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	7	7	V	1.0	0	1.62	103
180970073	2012	4	7	8	V	0.6	0.1	2.45	105
180970073	2012	4	7	9	V	0.2	0.2	3.71	130
180970073	2012	4	7	10	V	0.1	2.5	3.51	144
180970073	2012	4	7	11	V	0.1	4.1	3.66	148
180970073	2012	4	7	12	V	0.2	4.5	3.12	148
180970073	2012	4	7	13	V	0.09	5.7	3.98	145
180970073	2012	4	7	14	V	0.09	4.1	3.61	163
180970073	2012	4	7	15	V	0.2	1.4	2.55	174
180970073	2012	4	7	16	V	9.0	0.1	1.87	231
180970073	2012	4	7	17	V	0.2	0.1	1.74	109
180970073	2012	4	7	18	V	0.05	0.8	2.5	118
180970073	2012	4	7	19	V	0.05	0.9	2.83	148
180970073	2012	4	7	20	V	0.05	0.8	2.52	172
180970073	2012	4	7	21	V	0.1	1.1	1.91	181
180970073	2012	4	7	22	V	0.2	2.7	1.45	206
180970073	2012	4	7	23	V	0.06	1.6	2.27	217
180970073	2012	4	7	24	V	9.4	0.6	2.27	227
180970073	2012	4	8	1	V	28.2	0.4	2.69	235
180970073	2012	4	8	2	V	0.05	0.9	2.27	269
180970073	2012	4	8	3	V	0.6	1.3	3.74	263
180970073	2012	4	8	4	V	0.03	0.8	5.5	304
180970073	2012	4	8	5	V	0.03	0.2	7.04	316
180970073	2012	4	8	6	V	0.01	0	7.3	323
180970073	2012	4	8	7	V	0.03	0	6.19	323
180970073	2012	4	8	8	V	0.04	0	5.79	324
180970073	2012	4	8	9	V	0.03	0	6.28	332
180970073	2012	4	8	10	V	0.01	0	7.72	332
180970073	2012	4	8	11	V	0.01	0	7.76	327
180970073	2012	4	8	12	V	0.02	0	6.81	312
180970073	2012	4	8	13	V	0.02	0	6.67	322
180970073	2012	4	8	14	V	0.01	0	8.23	328
180970073	2012	4	8	15	V	0.01	0	8.28	314
180970073	2012	4	8	16	V	0.01	0	6.21	322
180970073	2012	4	8	17	V	0.05	0	4.42	312
180970073	2012	4	8	18	V	0.03	0	5.28	305
180970073	2012	4	8	19	V	0.03	0	3.66	291
180970073	2012	4	8	20	V	6.9	0	3.42	248
180970073	2012	4	8	21	V	12.1	0	3.3	228
180970073	2012	4	8	22	V	32.5	0.9	3.46	235
180970073	2012	4	8	23	V	21.1	-999	3.97	236
180970073	2012	4	8	24	V	2.4	3.3	4.09	241
180970073	2012	4	9	1	V	5.1	1.1	4.03	247
180970073	2012	4	9	2	V	5.0	0.7	3.56	247
180970073	2012	4	9	3	V	10.8	4.6	3.4	251
180970073	2012	4	9	4	V	8.7	2.8	3.01	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	9	5	V	7.0	1.8	3.08	248
180970073	2012	4	9	6	V	16.8	4.9	3.39	237
180970073	2012	4	9	7	V	23.8	9.8	3.58	233
180970073	2012	4	9	8	V	5.3	28.8	4.93	243
180970073	2012	4	9	9	V	0.05	6.4	6.75	268
180970073	2012	4	9	10	V	0.02	-999	7.62	294
180970073	2012	4	9	11	V	0.01	0.4	8.67	303
180970073	2012	4	9	12	V	0.01	0	9.61	301
180970073	2012	4	9	13	V	0.01	0	10.41	300
180970073	2012	4	9	14	V	0.01	0	10.05	287
180970073	2012	4	9	15	V	0.01	0	10.14	289
180970073	2012	4	9	16	V	0.01	0	9.64	289
180970073	2012	4	9	17	V	0.04	0	9.58	287
180970073	2012	4	9	18	V	0.03	0	10.41	285
180970073	2012	4	9	19	V	0.03	0	9.05	286
180970073	2012	4	9	20	V	0.03	0	6.3	284
180970073	2012	4	9	21	V	0.03	0	4.87	294
180970073	2012	4	9	22	V	0.03	0	5.14	301
180970073	2012	4	9	23	V	0.03	0	4.82	300
180970073	2012	4	9	24	V	0.03	0	4.8	305
180970073	2012	4	10	1	V	0.03	0	4.12	294
180970073	2012	4	10	2	V	0.03	0	4.2	299
180970073	2012	4	10	3	V	0.03	0	4.27	291
180970073	2012	4	10	4	V	0.03	0.2	4.46	308
180970073	2012	4	10	5	V	0.03	0	4.61	346
180970073	2012	4	10	6	V	0.1	0	3.91	346
180970073	2012	4	10	7	V	0.1	0	3.47	329
180970073	2012	4	10	8	V	0.06	0	4.85	331
180970073	2012	4	10	9	V	0.03	0	7.16	315
180970073	2012	4	10	10	V	0.02	0	8.2	306
180970073	2012	4	10	11	V	0.01	0	8.71	292
180970073	2012	4	10	12	V	0.01	0	9.47	287
180970073	2012	4	10	13	V	0.01	0	10.85	291
180970073	2012	4	10	14	V	0.01	0	11.04	297
180970073	2012	4	10	15	V	0.01	0	10.72	298
180970073	2012	4	10	16	V	0.01	0	10.41	298
180970073	2012	4	10	17	V	0.01	0	10.36	305
180970073	2012	4	10	18	V	0.03	0	10.05	317
180970073	2012	4	10	19	V	0.03	0	7.96	327
180970073	2012	4	10	20	V	0.03	0	5.17	352
180970073	2012	4	10	21	V	0.03	0	5.07	19
180970073	2012	4	10	22	V	0.03	0	4.94	18
180970073	2012	4	10	23	V	0.03	0	3.59	18
180970073	2012	4	10	24	V	0.05	0	2.84	5
180970073	2012	4	11	1	V	0.06	0	2.3	338
180970073	2012	4	11	2	V	0.05	0	2.72	308

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	11	3	V	0.06	0	2.37	292
180970073	2012	4	11	4	V	0.05	0	2.84	299
180970073	2012	4	11	5	V	0.05	0	2.88	287
180970073	2012	4	11	6	V	0.2	0	3.07	289
180970073	2012	4	11	7	V	0.3	0	3.46	302
180970073	2012	4	11	8	V	0.08	0.5	4.93	312
180970073	2012	4	11	9	V	0.04	0.3	5.51	318
180970073	2012	4	11	10	V	0.03	0	5.43	338
180970073	2012	4	11	11	V	0.02	0	5.96	352
180970073	2012	4	11	12	V	0.02	0	5.79	339
180970073	2012	4	11	13	V	0.02	0	5.89	342
180970073	2012	4	11	14	V	0.02	0	5.31	352
180970073	2012	4	11	15	V	0.03	0	4.61	336
180970073	2012	4	11	16	V	0.04	0	3.97	328
180970073	2012	4	11	17	V	0.09	0	3.15	342
180970073	2012	4	11	18	V	0.05	0	2.69	330
180970073	2012	4	11	19	V	0.06	0	2.57	8
180970073	2012	4	11	20	V	0.1	0	2.03	6
180970073	2012	4	11	21	V	0.2	0	1.57	310
180970073	2012	4	11	22	V	0.1	0	2.08	311
180970073	2012	4	11	23	V	0.05	0	2.9	352
180970073	2012	4	11	24	V	0.03	0	3.27	16
180970073	2012	4	12	1	V	0.2	0	1.67	343
180970073	2012	4	12	2	V	0.5	0	1.21	310
180970073	2012	4	12	3	V	0.1	0	1.89	290
180970073	2012	4	12	4	V	0.09	0	2.15	317
180970073	2012	4	12	5	V	0.7	0	1.04	297
180970073	2012	4	12	6	V	1.3	0	1.21	289
180970073	2012	4	12	7	V	2.1	0	1.23	286
180970073	2012	4	12	8	V	4.0	0.5	1.19	273
180970073	2012	4	12	9	V	18.1	0.9	1.43	233
180970073	2012	4	12	10	V	4.1	11.8	2.06	247
180970073	2012	4	12	11	V	0.2	0.7	3.23	282
180970073	2012	4	12	12	V	1.6	2.2	2.64	259
180970073	2012	4	12	13	V	3.5	3.9	2.27	242
180970073	2012	4	12	14	V	3.5	2.9	2.18	243
180970073	2012	4	12	15	V	0.2	3.1	2.64	198
180970073	2012	4	12	16	V	3.6	3	2.74	223
180970073	2012	4	12	17	V	1.6	2.4	3.25	246
180970073	2012	4	12	18	V	5.3	2.8	2.54	256
180970073	2012	4	12	19	V	0.1	2.5	1.99	273
180970073	2012	4	12	20	V	0.4	1.5	1.16	272
180970073	2012	4	12	21	V	0.09	0.9	2.11	304
180970073	2012	4	12	22	V	0.05	0.5	2.62	334
180970073	2012	4	12	23	V	0.08	0.5	2.1	359
180970073	2012	4	12	24	V	0.2	0	1.55	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	13	1	V	0.2	0	1.59	108
180970073	2012	4	13	2	V	0.08	0	1.96	88
180970073	2012	4	13	3	V	0.7	0	0.97	55
180970073	2012	4	13	4	V	0.9	0	0.86	85
180970073	2012	4	13	5	V	0.7	0	0.92	63
180970073	2012	4	13	6	V	0.3	0	2.45	105
180970073	2012	4	13	7	V	0.4	0.1	2.49	88
180970073	2012	4	13	8	V	0.3	0	3	108
180970073	2012	4	13	9	V	0.1	0	4.15	133
180970073	2012	4	13	10	V	0.06	0	4.85	154
180970073	2012	4	13	11	V	0.02	0.8	6.23	140
180970073	2012	4	13	12	V	0.02	1.7	6.36	144
180970073	2012	4	13	13	V	0.04	2.8	4.92	158
180970073	2012	4	13	14	V	0.02	0.8	4.75	160
180970073	2012	4	13	15	V	0.02	0	4.82	148
180970073	2012	4	13	16	V	0.02	0.2	4.41	147
180970073	2012	4	13	17	V	0.06	2.7	4.68	144
180970073	2012	4	13	18	V	0.05	0.4	4.56	157
180970073	2012	4	13	19	V	0.04	0	3.85	155
180970073	2012	4	13	20	V	0.04	0	3.22	174
180970073	2012	4	13	21	V	0.04	0	3.81	180
180970073	2012	4	13	22	V	0.04	0	3.59	184
180970073	2012	4	13	23	V	0.04	0.2	3.22	177
180970073	2012	4	13	24	V	0.04	1.3	3.44	170
180970073	2012	4	14	1	V	0.03	1.7	2.86	174
180970073	2012	4	14	2	V	0.03	1.5	2.62	147
180970073	2012	4	14	3	V	0.04	1.2	2.45	139
180970073	2012	4	14	4	V	0.03	0.9	3.56	151
180970073	2012	4	14	5	V	0.04	1	2.76	143
180970073	2012	4	14	6	V	0.2	2.3	2.62	125
180970073	2012	4	14	7	V	0.07	1.4	4.53	184
180970073	2012	4	14	8	V	0.08	0	4.7	183
180970073	2012	4	14	9	V	0.1	0	4.25	173
180970073	2012	4	14	10	V	0.3	0	3.52	164
180970073	2012	4	14	11	V	0.2	0	3.66	147
180970073	2012	4	14	12	V	0.3	0	2.91	188
180970073	2012	4	14	13	V	0.06	0	4.63	149
180970073	2012	4	14	14	V	0.03	0	5.27	164
180970073	2012	4	14	15	V	0.05	0	4.78	182
180970073	2012	4	14	16	V	0.04	0	4.82	185
180970073	2012	4	14	17	V	0.06	0	4.9	179
180970073	2012	4	14	18	V	0.04	0	3.86	179
180970073	2012	4	14	19	V	0.04	0	3.32	211
180970073	2012	4	14	20	V	0.03	0	3.22	121
180970073	2012	4	14	21	V	0.03	0	2.42	62
180970073	2012	4	14	22	V	0.03	0	3.22	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	14	23	V	0.02	0	3.46	124
180970073	2012	4	14	24	V	0.02	0	3.9	147
180970073	2012	4	15	1	V	0.02	0	3.9	163
180970073	2012	4	15	2	V	0.02	0	5.65	172
180970073	2012	4	15	3	V	0.02	0	6.57	187
180970073	2012	4	15	4	V	0.01	0.1	8.42	190
180970073	2012	4	15	5	V	0.02	0.3	6.75	197
180970073	2012	4	15	6	V	0.01	0.2	6.82	204
180970073	2012	4	15	7	V	0.01	0.1	8.35	206
180970073	2012	4	15	8	V	0.003	0.2	10.46	208
180970073	2012	4	15	9	V	0.003	0.2	11.73	209
180970073	2012	4	15	10	V	0.004	0	10.9	212
180970073	2012	4	15	11	V	0.003	0	10.8	206
180970073	2012	4	15	12	V	0.003	0	10.61	194
180970073	2012	4	15	13	V	0.003	0	11.09	198
180970073	2012	4	15	14	V	0.004	0	10.31	197
180970073	2012	4	15	15	V	0.01	0	9.34	199
180970073	2012	4	15	16	V	0.01	0	9.34	198
180970073	2012	4	15	17	V	0.01	0	9.42	193
180970073	2012	4	15	18	V	0.03	0	8	192
180970073	2012	4	15	19	V	0.03	0	7.08	188
180970073	2012	4	15	20	V	0.04	0	6.01	179
180970073	2012	4	15	21	V	0.04	0	6.55	173
180970073	2012	4	15	22	V	0.04	0	7.33	173
180970073	2012	4	15	23	V	0.03	-999	8.71	180
180970073	2012	4	15	24	V	0.03	0	9.63	181
180970073	2012	4	16	1	V	0.03	0	10.02	181
180970073	2012	4	16	2	V	0.02	0	10.97	181
180970073	2012	4	16	3	V	0.02	0	10.61	198
180970073	2012	4	16	4	V	5.1	4	9.35	226
180970073	2012	4	16	5	V	0.02	1	8.64	205
180970073	2012	4	16	6	V	0.01	0	8.73	206
180970073	2012	4	16	7	V	0.01	0	10.1	207
180970073	2012	4	16	8	V	0.02	0	8.54	216
180970073	2012	4	16	9	V	0.2	0.7	11.56	221
180970073	2012	4	16	10	V	2.2	6	11.96	227
180970073	2012	4	16	11	V	4.5	4.6	12.09	234
180970073	2012	4	16	12	V	4.4	5.5	11.87	231
180970073	2012	4	16	13	V	2.2	2.1	11.87	239
180970073	2012	4	16	14	V	3.6	0	11.26	237
180970073	2012	4	16	15	V	1.1	0	11.05	242
180970073	2012	4	16	16	V	0.2	2	10.72	262
180970073	2012	4	16	17	V	0.2	0	9.2	261
180970073	2012	4	16	18	V	1.0	0	7.6	262
180970073	2012	4	16	19	V	2.9	0	6.14	258
180970073	2012	4	16	20	V	7.3	0	3.73	254

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	16	21	V	3.6	0.3	3.32	225
180970073	2012	4	16	22	V	2.6	0.3	2.81	245
180970073	2012	4	16	23	V	2.8	0.3	2.69	245
180970073	2012	4	16	24	V	3.2	0	2.15	245
180970073	2012	4	17	1	V	4.2	0	1.84	243
180970073	2012	4	17	2	V	6.6	0	1.23	257
180970073	2012	4	17	3	V	0.7	0	1.3	217
180970073	2012	4	17	4	V	3.5	0	1.88	243
180970073	2012	4	17	5	V	3.9	0	1.64	258
180970073	2012	4	17	6	V	12.3	0	1.37	253
180970073	2012	4	17	7	V	1.8	0	1.5	202
180970073	2012	4	17	8	V	5.3	0	1.08	267
180970073	2012	4	17	9	V	3.7	0.3	0.84	304
180970073	2012	4	17	10	V	0.9	0	1.52	294
180970073	2012	4	17	11	V	0.2	0	2.83	302
180970073	2012	4	17	12	V	0.3	0	2.93	273
180970073	2012	4	17	13	V	0.9	0	3.34	261
180970073	2012	4	17	14	V	0.05	0	3.88	290
180970073	2012	4	17	15	V	0.09	0	2.79	306
180970073	2012	4	17	16	V	0.6	0	2.5	266
180970073	2012	4	17	17	V	0.08	0	3	305
180970073	2012	4	17	18	V	0.04	0	3.83	307
180970073	2012	4	17	19	V	0.04	0	4.36	311
180970073	2012	4	17	20	V	0.04	0	3.15	327
180970073	2012	4	17	21	V	0.06	0	2.35	347
180970073	2012	4	17	22	V	0.1	0	1.76	344
180970073	2012	4	17	23	V	0.1	0	2.06	321
180970073	2012	4	17	24	V	0.05	0	2.59	335
180970073	2012	4	18	1	V	0.04	0	2.78	20
180970073	2012	4	18	2	V	0.04	0	2.81	44
180970073	2012	4	18	3	V	0.03	0	3.15	38
180970073	2012	4	18	4	V	0.02	0	3.39	28
180970073	2012	4	18	5	V	0.03	0	3	24
180970073	2012	4	18	6	V	0.2	0	3.54	49
180970073	2012	4	18	7	V	0.7	0.2	2.03	18
180970073	2012	4	18	8	V	4.2	0.8	0.67	11
180970073	2012	4	18	9	V	2.0	0.1	1.23	96
180970073	2012	4	18	10	V	0.4	0	2.27	104
180970073	2012	4	18	11	V	0.8	0	1.69	89
180970073	2012	4	18	12	V	0.5	0	1.99	153
180970073	2012	4	18	13	V	3.1	0	1.86	253
180970073	2012	4	18	14	V	6.0	0	1.87	229
180970073	2012	4	18	15	V	5.6	0	1.81	226
180970073	2012	4	18	16	V	0.2	0	2.13	189
180970073	2012	4	18	17	V	3.8	0	2.06	223
180970073	2012	4	18	18	V	0.05	0	2.81	218

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	18	19	V	0.06	0	2.57	206
180970073	2012	4	18	20	V	0.05	0.4	2.78	171
180970073	2012	4	18	21	V	0.03	0.1	3.18	160
180970073	2012	4	18	22	V	0.03	0	3.54	182
180970073	2012	4	18	23	V	0.06	0	2.52	206
180970073	2012	4	18	24	V	0.03	0	3.27	196
180970073	2012	4	19	1	V	0.05	0	2.38	217
180970073	2012	4	19	2	V	13.6	0	1.42	227
180970073	2012	4	19	3	V	0.09	0	1.77	166
180970073	2012	4	19	4	V	0.06	0	2.08	215
180970073	2012	4	19	5	V	0.04	0	2.25	198
180970073	2012	4	19	6	V	0.7	0	2.04	210
180970073	2012	4	19	7	V	13.9	0	1.26	221
180970073	2012	4	19	8	V	14.3	0.3	2.1	222
180970073	2012	4	19	9	V	3.1	2.2	3.44	217
180970073	2012	4	19	10	V	24.8	71.5	3.23	230
180970073	2012	4	19	11	V	10.0	29.1	5.26	232
180970073	2012	4	19	12	V	3.3	29.2	4.36	246
180970073	2012	4	19	13	V	2.1	23	4.03	219
180970073	2012	4	19	14	V	1.2	1.4	3.1	213
180970073	2012	4	19	15	V	0.02	0.1	4.7	180
180970073	2012	4	19	16	V	0.02	0.5	4.63	193
180970073	2012	4	19	17	V	0.01	0	5.41	197
180970073	2012	4	19	18	V	0.04	0	5.21	205
180970073	2012	4	19	19	V	0.04	0	4.05	205
180970073	2012	4	19	20	V	0.04	0.3	3.6	153
180970073	2012	4	19	21	V	0.04	0.1	4.31	148
180970073	2012	4	19	22	V	0.03	0.6	4.26	157
180970073	2012	4	19	23	V	0.04	1.2	3.61	164
180970073	2012	4	19	24	V	0.03	0.8	4.19	156
180970073	2012	4	20	1	V	0.03	0.5	4.32	155
180970073	2012	4	20	2	V	0.03	0.4	5.33	167
180970073	2012	4	20	3	V	0.03	0.3	4.87	168
180970073	2012	4	20	4	V	0.03	0.4	5	162
180970073	2012	4	20	5	V	0.03	0.5	3.88	167
180970073	2012	4	20	6	V	0.05	0.6	4.76	169
180970073	2012	4	20	7	V	0.09	0.8	4.63	171
180970073	2012	4	20	8	V	0.03	1.5	5.68	198
180970073	2012	4	20	9	V	0.02	1.3	6.47	205
180970073	2012	4	20	10	V	0.07	1	7.43	216
180970073	2012	4	20	11	V	0.1	0.9	7.65	218
180970073	2012	4	20	12	V	5.1	9.6	8.28	237
180970073	2012	4	20	13	V	8.6	8.6	7.6	234
180970073	2012	4	20	14	V	0.02	3	7.45	268
180970073	2012	4	20	15	V	0.01	1.5	7.38	293
180970073	2012	4	20	16	V	0.01	0	8.25	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	20	17	V	0.04	0	7.28	315
180970073	2012	4	20	18	V	0.04	0	6.07	314
180970073	2012	4	20	19	V	0.04	0	6.45	327
180970073	2012	4	20	20	V	0.04	0	6.4	327
180970073	2012	4	20	21	V	0.04	0	6.74	332
180970073	2012	4	20	22	V	0.03	0	6.58	329
180970073	2012	4	20	23	V	0.04	0	6.07	330
180970073	2012	4	20	24	V	0.04	0	5.38	331
180970073	2012	4	21	1	V	0.04	0	4.92	333
180970073	2012	4	21	2	V	0.03	0	4.61	332
180970073	2012	4	21	3	V	0.03	0	4.58	332
180970073	2012	4	21	4	V	0.03	0	5.22	347
180970073	2012	4	21	5	V	0.03	0	6.07	6
180970073	2012	4	21	6	V	0.02	0	5.27	1
180970073	2012	4	21	7	V	0.02	0	5.6	9
180970073	2012	4	21	8	V	0.03	0	5.48	8
180970073	2012	4	21	9	V	0.05	0	5.14	358
180970073	2012	4	21	10	V	0.03	0	5.5	360
180970073	2012	4	21	11	V	0.05	0	4.82	4
180970073	2012	4	21	12	V	0.06	0	4.78	9
180970073	2012	4	21	13	V	0.07	0	4.03	359
180970073	2012	4	21	14	V	0.09	0	3.47	1
180970073	2012	4	21	15	V	0.08	0	3.9	11
180970073	2012	4	21	16	V	0.06	0	3.64	30
180970073	2012	4	21	17	V	0.07	0	3.3	43
180970073	2012	4	21	18	V	0.05	0	2.47	59
180970073	2012	4	21	19	V	0.04	0	2.79	76
180970073	2012	4	21	20	V	0.05	0	2.73	121
180970073	2012	4	21	21	V	0.04	0	2.79	126
180970073	2012	4	21	22	V	0.04	0	2.64	143
180970073	2012	4	21	23	V	0.05	0	2.45	151
180970073	2012	4	21	24	V	0.08	0	1.96	147
180970073	2012	4	22	1	V	0.2	0	1.55	303
180970073	2012	4	22	2	V	0.7	0	0.87	27
180970073	2012	4	22	3	V	0.4	0	0.97	77
180970073	2012	4	22	4	C	-999	0	0	0
180970073	2012	4	22	5	V	0.4	0	1.13	112
180970073	2012	4	22	6	V	0.2	0	2.72	97
180970073	2012	4	22	7	V	0.3	0	2.69	85
180970073	2012	4	22	8	V	0.1	0	4	79
180970073	2012	4	22	9	V	0.2	0.6	3.78	63
180970073	2012	4	22	10	V	0.2	1.1	2.69	23
180970073	2012	4	22	11	V	0.09	1.2	3.78	24
180970073	2012	4	22	12	V	0.04	0.3	5.16	17
180970073	2012	4	22	13	V	0.02	0.3	5.9	7
180970073	2012	4	22	14	V	0.02	0.3	5.9	15

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	22	15	V	0.01	0.5	7.11	9
180970073	2012	4	22	16	V	0.01	0	7.04	12
180970073	2012	4	22	17	V	0.01	0	5.92	26
180970073	2012	4	22	18	V	0.03	0	6.53	23
180970073	2012	4	22	19	V	0.03	0	6.94	17
180970073	2012	4	22	20	V	0.04	0	5.53	19
180970073	2012	4	22	21	V	0.04	0	6.26	355
180970073	2012	4	22	22	V	0.03	0	7.04	358
180970073	2012	4	22	23	V	0.04	-999	7.01	344
180970073	2012	4	22	24	V	0.03	0	6.18	338
180970073	2012	4	23	1	V	0.03	0	5.68	331
180970073	2012	4	23	2	V	0.02	0	5.72	339
180970073	2012	4	23	3	V	0.02	0	5.7	341
180970073	2012	4	23	4	V	0.02	0	5.44	333
180970073	2012	4	23	5	V	0.03	0.2	5.29	327
180970073	2012	4	23	6	V	0.03	0.1	5.53	322
180970073	2012	4	23	7	V	0.03	0.2	6.7	326
180970073	2012	4	23	8	V	0.02	0.1	7.69	327
180970073	2012	4	23	9	V	0.01	0.1	8.2	326
180970073	2012	4	23	10	V	0.01	0.1	9.29	331
180970073	2012	4	23	11	V	0.01	0	10.63	337
180970073	2012	4	23	12	V	0.01	0	11.33	334
180970073	2012	4	23	13	V	0.01	0	11.29	329
180970073	2012	4	23	14	V	0.01	0	10.97	325
180970073	2012	4	23	15	V	0.01	0	12.24	324
180970073	2012	4	23	16	V	0.005	0.1	12.52	325
180970073	2012	4	23	17	V	0.005	0.4	11.96	333
180970073	2012	4	23	18	V	0.03	0.1	10.61	344
180970073	2012	4	23	19	V	0.03	0	8.96	345
180970073	2012	4	23	20	V	0.03	0	7.21	349
180970073	2012	4	23	21	V	0.03	0	4.86	338
180970073	2012	4	23	22	V	0.03	0	3.43	323
180970073	2012	4	23	23	V	0.06	0	2.32	289
180970073	2012	4	23	24	V	0.09	0	3.29	265
180970073	2012	4	24	1	V	9.1	0.4	4.07	252
180970073	2012	4	24	2	V	8.2	0.6	4.24	253
180970073	2012	4	24	3	V	3.5	0.4	4.36	257
180970073	2012	4	24	4	V	0.03	0.2	2.86	1
180970073	2012	4	24	5	V	0.04	0.3	2.21	331
180970073	2012	4	24	6	V	4.9	0.4	2.95	257
180970073	2012	4	24	7	V	6.8	0.5	3.2	254
180970073	2012	4	24	8	V	0.9	1	3.56	269
180970073	2012	4	24	9	V	0.09	1.1	3.9	286
180970073	2012	4	24	10	V	0.05	0.6	4.66	314
180970073	2012	4	24	11	V	0.03	0.3	5.97	315
180970073	2012	4	24	12	V	0.03	0.1	5.65	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	24	13	V	0.02	0	5.82	295
180970073	2012	4	24	14	V	0.02	0	5.43	289
180970073	2012	4	24	15	V	0.03	0	4.61	292
180970073	2012	4	24	16	V	0.03	0	6.31	268
180970073	2012	4	24	17	V	0.5	0.1	6.04	266
180970073	2012	4	24	18	V	6.5	0	5.62	252
180970073	2012	4	24	19	V	6.4	0.7	4.17	248
180970073	2012	4	24	20	V	0.2	2.6	3.34	220
180970073	2012	4	24	21	V	0.04	4.1	3.08	209
180970073	2012	4	24	22	V	0.05	2.3	2.35	185
180970073	2012	4	24	23	V	0.04	1.1	2.4	170
180970073	2012	4	24	24	V	0.04	0.5	2.23	139
180970073	2012	4	25	1	V	0.03	0.2	2.89	124
180970073	2012	4	25	2	V	0.03	0.1	3.3	138
180970073	2012	4	25	3	V	0.03	0	2.93	116
180970073	2012	4	25	4	V	0.02	0	3.29	117
180970073	2012	4	25	5	V	0.04	0	3.2	113
180970073	2012	4	25	6	V	0.2	0	3.23	113
180970073	2012	4	25	7	V	0.3	0.1	3.32	124
180970073	2012	4	25	8	V	0.09	1.1	4.71	125
180970073	2012	4	25	9	V	0.06	1.8	5.51	134
180970073	2012	4	25	10	V	0.1	1.7	4.31	134
180970073	2012	4	25	11	V	0.1	2.1	4.6	126
180970073	2012	4	25	12	V	0.05	2.1	5.72	120
180970073	2012	4	25	13	V	0.04	1	5.82	136
180970073	2012	4	25	14	V	0.02	0.7	6.47	135
180970073	2012	4	25	15	V	0.03	0.4	6.11	149
180970073	2012	4	25	16	V	0.04	1.6	4.8	144
180970073	2012	4	25	17	V	0.02	3.9	4.44	98
180970073	2012	4	25	18	V	0.04	2	5.43	121
180970073	2012	4	25	19	V	0.05	0.3	4.39	100
180970073	2012	4	25	20	V	0.05	0.1	4.68	78
180970073	2012	4	25	21	V	0.04	0	5.97	102
180970073	2012	4	25	22	V	0.04	0.1	6.02	131
180970073	2012	4	25	23	V	0.04	0.2	5	142
180970073	2012	4	25	24	V	0.04	0.1	4.22	153
180970073	2012	4	26	1	V	0.04	0	2.91	148
180970073	2012	4	26	2	V	0.04	0	2.98	153
180970073	2012	4	26	3	V	0.03	0	3.03	164
180970073	2012	4	26	4	V	0.03	0	2.84	201
180970073	2012	4	26	5	V	10.2	0	2.57	238
180970073	2012	4	26	6	V	6.8	0	3.88	248
180970073	2012	4	26	7	V	2.5	0.1	4	261
180970073	2012	4	26	8	V	0.05	1.1	5.82	307
180970073	2012	4	26	9	V	0.01	0.7	8.98	330
180970073	2012	4	26	10	V	0.01	0.5	7.84	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	26	11	V	0.01	0.3	7.03	341
180970073	2012	4	26	12	V	0.04	0.4	5.87	335
180970073	2012	4	26	13	V	0.04	0.5	6.48	323
180970073	2012	4	26	14	V	0.01	0.1	8.5	329
180970073	2012	4	26	15	V	0.01	0.2	9.17	331
180970073	2012	4	26	16	V	0.01	0.1	10.09	332
180970073	2012	4	26	17	V	0.01	0	9.97	343
180970073	2012	4	26	18	V	0.03	0	9.73	348
180970073	2012	4	26	19	V	0.03	0	9.59	351
180970073	2012	4	26	20	V	0.03	0	7.93	347
180970073	2012	4	26	21	V	0.03	0	6.94	343
180970073	2012	4	26	22	V	0.03	0	7.31	354
180970073	2012	4	26	23	V	0.03	0	5.43	356
180970073	2012	4	26	24	V	0.02	0	5.77	14
180970073	2012	4	27	1	V	0.02	0	5	20
180970073	2012	4	27	2	V	0.03	0	4.37	7
180970073	2012	4	27	3	V	0.03	0	2.98	348
180970073	2012	4	27	4	V	0.02	0	3.57	359
180970073	2012	4	27	5	V	0.04	0	4.41	26
180970073	2012	4	27	6	V	0.03	0	5.26	28
180970073	2012	4	27	7	V	0.05	0	5.38	30
180970073	2012	4	27	8	V	0.04	0	5.36	48
180970073	2012	4	27	9	V	0.08	0	4.97	54
180970073	2012	4	27	10	V	0.07	0	4.77	59
180970073	2012	4	27	11	V	0.05	0	4.9	62
180970073	2012	4	27	12	V	0.04	0	5.02	64
180970073	2012	4	27	13	V	0.09	0	4.07	79
180970073	2012	4	27	14	V	0.07	0	4.46	77
180970073	2012	4	27	15	V	0.04	0	4.9	68
180970073	2012	4	27	16	V	0.03	0	4.65	76
180970073	2012	4	27	17	V	0.07	0	4.24	90
180970073	2012	4	27	18	V	0.04	0	4.05	97
180970073	2012	4	27	19	V	0.04	0	4.8	87
180970073	2012	4	27	20	V	0.03	0	5.31	82
180970073	2012	4	27	21	V	0.03	0	5.96	90
180970073	2012	4	27	22	V	0.03	0	5.55	97
180970073	2012	4	27	23	V	0.03	0	5.84	94
180970073	2012	4	27	24	V	0.03	0	5.56	94
180970073	2012	4	28	1	V	0.03	0	5.82	93
180970073	2012	4	28	2	V	0.03	0	6.69	90
180970073	2012	4	28	3	V	0.03	0	7.14	101
180970073	2012	4	28	4	V	0.03	0	5.41	96
180970073	2012	4	28	5	V	0.03	0	7.14	89
180970073	2012	4	28	6	V	0.01	0	8.67	92
180970073	2012	4	28	7	V	0.01	0.2	8.39	99
180970073	2012	4	28	8	V	0.01	0	6.74	116

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	28	9	V	0.02	0	5.7	113
180970073	2012	4	28	10	V	0.03	0	5.24	55
180970073	2012	4	28	11	V	0.01	0	6.43	68
180970073	2012	4	28	12	V	0.01	0	7.01	82
180970073	2012	4	28	13	V	0.01	0.4	6.94	91
180970073	2012	4	28	14	V	0.01	0.6	7.08	92
180970073	2012	4	28	15	V	0.01	0.7	5.85	84
180970073	2012	4	28	16	V	0.02	0.4	5.55	81
180970073	2012	4	28	17	V	0.05	0.3	5.46	64
180970073	2012	4	28	18	V	0.04	0	5.41	77
180970073	2012	4	28	19	V	0.04	0	5.43	72
180970073	2012	4	28	20	V	0.04	0	5.82	57
180970073	2012	4	28	21	V	0.05	0	4.37	62
180970073	2012	4	28	22	V	0.05	0	4.37	79
180970073	2012	4	28	23	V	0.04	0	4.56	88
180970073	2012	4	28	24	V	0.04	0	4.39	81
180970073	2012	4	29	1	V	0.04	0	5.24	69
180970073	2012	4	29	2	V	0.03	0	5.38	60
180970073	2012	4	29	3	V	0.03	0	5.99	70
180970073	2012	4	29	4	V	0.03	0	5.63	70
180970073	2012	4	29	5	V	0.04	0	4.39	72
180970073	2012	4	29	6	V	0.05	0	4.12	82
180970073	2012	4	29	7	V	0.07	0	4.19	73
180970073	2012	4	29	8	V	0.04	0	5	80
180970073	2012	4	29	9	V	0.05	0	4.56	89
180970073	2012	4	29	10	V	0.05	0.1	5.16	89
180970073	2012	4	29	11	V	0.04	0.3	5.07	83
180970073	2012	4	29	12	V	0.05	0.8	5	91
180970073	2012	4	29	13	V	0.02	0.8	5.77	87
180970073	2012	4	29	14	V	0.02	0.6	5.72	79
180970073	2012	4	29	15	V	0.02	0.7	6.26	102
180970073	2012	4	29	16	V	0.02	0.7	5.41	97
180970073	2012	4	29	17	V	0.02	0.6	5.02	93
180970073	2012	4	29	18	V	0.04	0.7	5.46	101
180970073	2012	4	29	19	V	0.04	0.6	5.12	97
180970073	2012	4	29	20	V	0.04	0.3	3.76	87
180970073	2012	4	29	21	V	0.04	0.7	4	99
180970073	2012	4	29	22	V	0.04	1.4	3.85	103
180970073	2012	4	29	23	V	0.04	-999	4.19	105
180970073	2012	4	29	24	V	0.04	1	4.53	108
180970073	2012	4	30	1	V	0.04	1.7	3.35	114
180970073	2012	4	30	2	V	0.04	2.2	3.17	124
180970073	2012	4	30	3	V	0.03	5.3	2.71	120
180970073	2012	4	30	4	V	0.04	6.1	2.62	132
180970073	2012	4	30	5	V	0.06	3.2	3.35	144
180970073	2012	4	30	6	V	0.1	1.5	3.37	156

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	4	30	7	V	0.2	1.3	3.22	168
180970073	2012	4	30	8	V	0.7	1.3	2.04	178
180970073	2012	4	30	9	V	0.9	2	2.06	181
180970073	2012	4	30	10	V	0.2	17.2	3.32	192
180970073	2012	4	30	11	V	0.07	3.3	3.83	191
180970073	2012	4	30	12	V	0.06	0.7	4.09	194
180970073	2012	4	30	13	V	0.03	0.3	5.68	208
180970073	2012	4	30	14	V	1.7	0.3	8.91	227
180970073	2012	4	30	15	V	0.06	0.3	8.08	219
180970073	2012	4	30	16	V	0.01	1.1	8.59	201
180970073	2012	4	30	17	V	0.01	0.3	7.26	281
180970073	2012	4	30	18	V	0.03	0	2.9	298
180970073	2012	4	30	19	V	0.06	0	1.65	290
180970073	2012	4	30	20	V	7.4	0	1.43	255
180970073	2012	4	30	21	V	0.07	0	1.94	217
180970073	2012	4	30	22	V	0.03	0	3.3	208
180970073	2012	4	30	23	V	2.5	0	3.39	242
180970073	2012	4	30	24	V	5.8	0	3.4	247
180970073	2012	5	1	1	V	0.03	0	3.34	275
180970073	2012	5	1	2	V	0.04	0	2.91	285
180970073	2012	5	1	3	V	0.1	0	1.55	275
180970073	2012	5	1	4	V	0.07	0	2.15	283
180970073	2012	5	1	5	V	0.2	0	1.59	269
180970073	2012	5	1	6	V	8.5	0	1.2	258
180970073	2012	5	1	7	V	0.7	0	1.86	187
180970073	2012	5	1	8	V	1.2	0	1.57	129
180970073	2012	5	1	9	V	0.7	3.1	2.42	112
180970073	2012	5	1	10	V	0.2	2.1	3.78	139
180970073	2012	5	1	11	V	0.07	0.4	4.65	135
180970073	2012	5	1	12	V	0.2	0	2.83	145
180970073	2012	5	1	13	V	0.09	0	3.85	69
180970073	2012	5	1	14	V	0.07	0	4.2	114
180970073	2012	5	1	15	V	0.06	0	4.19	101
180970073	2012	5	1	16	V	0.04	0	4.19	35
180970073	2012	5	1	17	V	0.02	0	4.42	62
180970073	2012	5	1	18	V	0.04	0	4.26	104
180970073	2012	5	1	19	V	0.04	0	3.61	90
180970073	2012	5	1	20	V	0.04	0	3.37	119
180970073	2012	5	1	21	V	0.04	0	3.27	96
180970073	2012	5	1	22	V	0.04	0	2.54	135
180970073	2012	5	1	23	V	0.03	0	4.78	181
180970073	2012	5	1	24	V	0.03	0	4.27	177
180970073	2012	5	2	1	V	0.02	0	3.47	171
180970073	2012	5	2	2	V	0.02	0	3.24	176
180970073	2012	5	2	3	V	0.03	0	2.88	172
180970073	2012	5	2	4	V	0.02	0	3.81	182

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	2	5	V	0.04	0	2.98	174
180970073	2012	5	2	6	V	0.2	0	3.39	195
180970073	2012	5	2	7	V	0.1	0	4.48	204
180970073	2012	5	2	8	V	0.6	0.2	4.9	215
180970073	2012	5	2	9	V	1.7	0.8	7.3	223
180970073	2012	5	2	10	V	3.3	5.2	9.13	231
180970073	2012	5	2	11	V	1.6	1.8	10.05	241
180970073	2012	5	2	12	V	1.9	0.9	9.59	240
180970073	2012	5	2	13	V	1.5	0.6	9.75	242
180970073	2012	5	2	14	V	2.0	0.5	10.56	239
180970073	2012	5	2	15	V	1.4	0.8	7.96	244
180970073	2012	5	2	16	V	3.5	0.4	7.78	235
180970073	2012	5	2	17	V	1.2	0.3	7.43	224
180970073	2012	5	2	18	V	0.03	0.9	7.31	212
180970073	2012	5	2	19	V	0.03	0	5.87	208
180970073	2012	5	2	20	V	0.03	0	4.24	197
180970073	2012	5	2	21	V	0.03	0.2	3.59	176
180970073	2012	5	2	22	V	0.03	0	3.4	161
180970073	2012	5	2	23	V	0.04	0	4.56	167
180970073	2012	5	2	24	V	0.04	0.4	4.32	178
180970073	2012	5	3	1	V	0.03	0.6	3.13	177
180970073	2012	5	3	2	V	0.04	0.6	2.5	159
180970073	2012	5	3	3	V	0.06	0.3	2.08	139
180970073	2012	5	3	4	V	0.03	0	3.35	170
180970073	2012	5	3	5	V	0.05	0	2.56	163
180970073	2012	5	3	6	V	0.4	0	2.73	176
180970073	2012	5	3	7	V	0.5	0.1	2.4	163
180970073	2012	5	3	8	V	0.2	2.9	3.34	176
180970073	2012	5	3	9	V	0.1	4.5	5.17	208
180970073	2012	5	3	10	V	1.1	7.2	6.23	219
180970073	2012	5	3	11	V	0.1	4.6	5.85	209
180970073	2012	5	3	12	V	0.08	1.3	7.3	211
180970073	2012	5	3	13	V	0.7	0.8	7.81	220
180970073	2012	5	3	14	V	0.08	1.7	7.88	213
180970073	2012	5	3	15	V	0.04	-999	8.18	212
180970073	2012	5	3	16	V	0.8	0.3	8.22	222
180970073	2012	5	3	17	V	0.01	0.1	7.98	205
180970073	2012	5	3	18	V	0.03	0.5	7.81	201
180970073	2012	5	3	19	V	0.03	0.9	9.2	188
180970073	2012	5	3	20	V	0.03	0.2	7.91	197
180970073	2012	5	3	21	V	0.03	0	5.96	197
180970073	2012	5	3	22	V	0.03	0	3.64	195
180970073	2012	5	3	23	V	0.02	0	3.68	208
180970073	2012	5	3	24	V	0.02	0	3.91	200
180970073	2012	5	4	1	V	0.02	0	3.4	207
180970073	2012	5	4	2	V	0.03	0	3.2	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	4	3	V	0.02	0	3.18	203
180970073	2012	5	4	4	V	0.03	0	3.92	213
180970073	2012	5	4	5	V	0.07	0.1	3.68	210
180970073	2012	5	4	6	V	4.0	0	3.39	220
180970073	2012	5	4	7	V	9.5	0.2	4.2	224
180970073	2012	5	4	8	V	0.08	0.7	4.9	206
180970073	2012	5	4	9	V	0.06	1.1	5.17	212
180970073	2012	5	4	10	V	2.5	1.2	4.75	221
180970073	2012	5	4	11	V	11.1	4.2	6.07	229
180970073	2012	5	4	12	V	0.04	4.4	5.68	191
180970073	2012	5	4	13	V	0.3	0.9	3.03	167
180970073	2012	5	4	14	V	1.4	3.7	5.48	256
180970073	2012	5	4	15	V	2.2	1.4	5.46	247
180970073	2012	5	4	16	V	0.05	5.2	4.34	199
180970073	2012	5	4	17	V	0.02	0.8	4.22	202
180970073	2012	5	4	18	V	0.07	0	3.32	218
180970073	2012	5	4	19	V	0.04	0	4.39	211
180970073	2012	5	4	20	V	3.6	0.1	4.27	244
180970073	2012	5	4	21	V	0.2	0.1	2.69	264
180970073	2012	5	4	22	V	0.04	0	3.13	345
180970073	2012	5	4	23	V	0.05	0	2.71	17
180970073	2012	5	4	24	V	0.2	0	1.31	35
180970073	2012	5	5	1	V	0.04	0	2.62	76
180970073	2012	5	5	2	V	0.1	0	1.76	188
180970073	2012	5	5	3	V	0.2	0	1.42	327
180970073	2012	5	5	4	V	0.2	0	1.64	311
180970073	2012	5	5	5	V	0.06	0	2.55	339
180970073	2012	5	5	6	V	0.5	0	2.35	12
180970073	2012	5	5	7	V	0.2	0	3.64	31
180970073	2012	5	5	8	V	0.4	0	3.15	50
180970073	2012	5	5	9	V	0.3	0	3.46	38
180970073	2012	5	5	10	V	0.5	0	2.45	30
180970073	2012	5	5	11	V	1.0	0	1.76	29
180970073	2012	5	5	12	V	0.5	0	1.93	19
180970073	2012	5	5	13	V	0.6	0	1.99	26
180970073	2012	5	5	14	V	0.1	0	3.2	47
180970073	2012	5	5	15	V	0.04	0	4.32	32
180970073	2012	5	5	16	V	0.03	0	4.83	29
180970073	2012	5	5	17	V	0.02	0	4.78	43
180970073	2012	5	5	18	V	0.04	0	5.17	51
180970073	2012	5	5	19	V	0.03	0	5.17	54
180970073	2012	5	5	20	V	0.04	0	5.19	72
180970073	2012	5	5	21	V	0.03	0	3.93	86
180970073	2012	5	5	22	V	0.03	0	3.37	89
180970073	2012	5	5	23	V	0.03	0	3.29	91
180970073	2012	5	5	24	V	0.03	0	3.88	88

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	6	1	V	0.03	0	4.41	76
180970073	2012	5	6	2	V	0.03	0	4.07	83
180970073	2012	5	6	3	V	0.02	0	3.68	88
180970073	2012	5	6	4	V	0.02	0	3.2	94
180970073	2012	5	6	5	V	0.04	0	3.18	100
180970073	2012	5	6	6	V	0.5	0	2.1	94
180970073	2012	5	6	7	V	0.3	0	3.1	82
180970073	2012	5	6	8	V	0.1	0	3.74	79
180970073	2012	5	6	9	V	0.09	1.7	4.02	101
180970073	2012	5	6	10	V	0.09	4.6	4.36	114
180970073	2012	5	6	11	V	0.08	3.9	4.36	118
180970073	2012	5	6	12	V	0.07	2	4.36	166
180970073	2012	5	6	13	V	0.2	0.9	2.86	137
180970073	2012	5	6	14	M	-999	0.4	2.36	999
180970073	2012	5	6	15	V	0.03	0.1	4.36	119
180970073	2012	5	6	16	V	0.04	0	3.86	136
180970073	2012	5	6	17	V	0.04	0	2.86	128
180970073	2012	5	6	18	V	0.05	0	4.36	179
180970073	2012	5	6	19	V	0.04	0	3.86	136
180970073	2012	5	6	20	V	0.05	0	2.36	129
180970073	2012	5	6	21	V	0.04	0	3.83	22
180970073	2012	5	6	22	V	0.05	0	2.55	55
180970073	2012	5	6	23	V	0.5	-999	1.01	202
180970073	2012	5	6	24	V	0.04	1.3	2.45	163
180970073	2012	5	7	1	V	0.05	1.8	2.47	134
180970073	2012	5	7	2	V	0.03	1.6	3.01	142
180970073	2012	5	7	3	V	0.08	0.9	1.91	132
180970073	2012	5	7	4	V	0.03	0.5	2.73	136
180970073	2012	5	7	5	V	0.07	0.1	3.92	159
180970073	2012	5	7	6	V	0.2	0	3.57	188
180970073	2012	5	7	7	V	0.06	2.5	4.65	349
180970073	2012	5	7	8	V	0.09	0.9	4.07	13
180970073	2012	5	7	9	V	0.05	0.1	5.09	50
180970073	2012	5	7	10	V	0.06	0.1	4.37	50
180970073	2012	5	7	11	V	0.5	0.1	1.77	37
180970073	2012	5	7	12	V	0.1	0	3.63	115
180970073	2012	5	7	13	V	0.08	0.7	4.2	165
180970073	2012	5	7	14	V	1.4	0.5	4.36	220
180970073	2012	5	7	15	V	1.1	2.9	5.34	255
180970073	2012	5	7	16	V	0.01	0.8	5.75	279
180970073	2012	5	7	17	V	0.01	0.2	7.65	304
180970073	2012	5	7	18	V	0.03	0	4.88	308
180970073	2012	5	7	19	V	0.04	0	2.59	350
180970073	2012	5	7	20	V	0.04	0	4.1	350
180970073	2012	5	7	21	V	0.05	0	4.02	339
180970073	2012	5	7	22	V	0.04	0	3.37	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	7	23	V	0.04	0	4.02	334
180970073	2012	5	7	24	V	0.04	0	4.85	331
180970073	2012	5	8	1	V	0.04	0	6.11	337
180970073	2012	5	8	2	V	0.04	0	5.17	338
180970073	2012	5	8	3	V	0.03	0	3.81	333
180970073	2012	5	8	4	V	0.02	0	3.1	317
180970073	2012	5	8	5	V	0.03	0	3.44	305
180970073	2012	5	8	6	V	0.08	0	3.73	320
180970073	2012	5	8	7	V	0.2	0	3.29	312
180970073	2012	5	8	8	V	0.1	0	3.23	327
180970073	2012	5	8	9	V	0.1	0.2	3.07	313
180970073	2012	5	8	10	V	0.2	0.1	2.84	298
180970073	2012	5	8	11	V	0.8	0	3.18	263
180970073	2012	5	8	12	V	0.2	0	4.94	269
180970073	2012	5	8	13	V	0.02	0	6.06	280
180970073	2012	5	8	14	V	0.02	0	6.31	291
180970073	2012	5	8	15	V	0.01	0	7.01	286
180970073	2012	5	8	16	V	0.01	0	6.38	290
180970073	2012	5	8	17	V	0.01	0	5.84	276
180970073	2012	5	8	18	V	0.04	0	5.19	288
180970073	2012	5	8	19	V	0.03	0	5.36	314
180970073	2012	5	8	20	V	0.03	0	4.05	325
180970073	2012	5	8	21	V	0.05	0	2.18	338
180970073	2012	5	8	22	V	0.4	0	1.13	310
180970073	2012	5	8	23	V	0.2	0	1.47	269
180970073	2012	5	8	24	V	10.3	0	1.96	251
180970073	2012	5	9	1	V	4.6	0	2.18	240
180970073	2012	5	9	2	V	1.6	0	2.98	243
180970073	2012	5	9	3	V	10.4	0	2.81	251
180970073	2012	5	9	4	V	3.7	0	2.78	246
180970073	2012	5	9	5	V	9.9	0	2.79	243
180970073	2012	5	9	6	V	7.6	0	2.95	249
180970073	2012	5	9	7	V	4.4	0	2.59	252
180970073	2012	5	9	8	V	0.09	0	3.63	284
180970073	2012	5	9	9	V	0.09	0	4.02	307
180970073	2012	5	9	10	V	0.05	0	4.95	300
180970073	2012	5	9	11	V	0.02	0	6.04	288
180970073	2012	5	9	12	V	0.01	0	7.69	287
180970073	2012	5	9	13	V	0.02	0	6.55	294
180970073	2012	5	9	14	V	0.02	0	5.92	305
180970073	2012	5	9	15	V	0.01	0	6.41	305
180970073	2012	5	9	16	V	0.01	0	6.36	318
180970073	2012	5	9	17	V	0.01	0	5.92	327
180970073	2012	5	9	18	V	0.04	0	6.11	348
180970073	2012	5	9	19	V	0.03	0	3.83	326
180970073	2012	5	9	20	V	0.05	0	2.76	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	9	21	V	0.05	0	2.74	311
180970073	2012	5	9	22	V	0.03	0	3.63	339
180970073	2012	5	9	23	V	0.03	0	3.92	349
180970073	2012	5	9	24	V	0.04	0	2.79	329
180970073	2012	5	10	1	V	0.04	0	2.81	309
180970073	2012	5	10	2	V	0.04	0	2.59	299
180970073	2012	5	10	3	V	0.03	0	3.15	304
180970073	2012	5	10	4	V	0.02	0	3.74	312
180970073	2012	5	10	5	V	0.05	0	2.95	325
180970073	2012	5	10	6	V	0.4	0	2.44	308
180970073	2012	5	10	7	V	0.4	0.1	2.35	315
180970073	2012	5	10	8	V	0.3	0.5	2.5	322
180970073	2012	5	10	9	V	0.5	0.4	1.96	329
180970073	2012	5	10	10	V	0.2	0.2	2.76	317
180970073	2012	5	10	11	V	0.05	0.1	4.76	317
180970073	2012	5	10	12	V	0.02	0.3	5.94	320
180970073	2012	5	10	13	V	0.02	0.1	5.58	319
180970073	2012	5	10	14	V	0.01	0	6.16	327
180970073	2012	5	10	15	V	0.01	0	5.9	322
180970073	2012	5	10	16	V	0.01	0	5.44	319
180970073	2012	5	10	17	V	0.01	0	5.77	324
180970073	2012	5	10	18	V	0.03	0	5.34	327
180970073	2012	5	10	19	V	0.03	0.6	4.48	335
180970073	2012	5	10	20	V	0.03	0.9	3.12	335
180970073	2012	5	10	21	V	0.05	0.7	2.35	336
180970073	2012	5	10	22	V	0.03	0.2	2.98	351
180970073	2012	5	10	23	V	0.03	0	3.18	7
180970073	2012	5	10	24	V	0.07	0	2.11	23
180970073	2012	5	11	1	V	0.3	0	1.31	4
180970073	2012	5	11	2	V	0.9	0	0.74	304
180970073	2012	5	11	3	V	0.3	0	1.11	339
180970073	2012	5	11	4	V	0.2	0	1.38	12
180970073	2012	5	11	5	V	0.08	0	2.23	32
180970073	2012	5	11	6	V	0.4	0	2.38	44
180970073	2012	5	11	7	V	0.7	0.5	1.93	69
180970073	2012	5	11	8	V	0.3	1.3	2.67	109
180970073	2012	5	11	9	V	0.2	1.7	3.2	157
180970073	2012	5	11	10	V	0.2	3.3	3.03	165
180970073	2012	5	11	11	V	0.3	1.1	2.71	182
180970073	2012	5	11	12	V	1.1	0.4	2.01	206
180970073	2012	5	11	13	V	1.7	0.5	2.27	217
180970073	2012	5	11	14	V	1.3	0	1.93	260
180970073	2012	5	11	15	V	2.4	0	1.96	232
180970073	2012	5	11	16	V	3.0	0.7	1.65	243
180970073	2012	5	11	17	V	4.7	0.9	2.11	240
180970073	2012	5	11	18	V	0.05	0.3	2.27	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	11	19	V	0.04	0	3.03	163
180970073	2012	5	11	20	V	0.04	0.2	2.95	156
180970073	2012	5	11	21	V	0.04	0.4	3.17	171
180970073	2012	5	11	22	V	0.04	0.3	3.24	166
180970073	2012	5	11	23	V	2.9	0.1	1.62	259
180970073	2012	5	11	24	V	1.2	0	0.65	177
180970073	2012	5	12	1	V	0.2	0	1.5	198
180970073	2012	5	12	2	V	0.1	0	1.7	141
180970073	2012	5	12	3	V	0.07	0	1.96	120
180970073	2012	5	12	4	V	0.1	0	1.72	125
180970073	2012	5	12	5	V	0.08	0.7	2.01	153
180970073	2012	5	12	6	V	1.8	0.5	1.09	151
180970073	2012	5	12	7	V	1.0	0.5	1.52	136
180970073	2012	5	12	8	V	0.6	0.3	2.01	149
180970073	2012	5	12	9	V	0.3	0.1	2.52	185
180970073	2012	5	12	10	V	0.7	0	2.03	196
180970073	2012	5	12	11	V	1.9	0	2.83	217
180970073	2012	5	12	12	V	3.1	0.2	2.11	250
180970073	2012	5	12	13	V	0.1	0.4	2.32	129
180970073	2012	5	12	14	V	0.07	0.5	2.93	145
180970073	2012	5	12	15	V	0.1	1.1	2.39	143
180970073	2012	5	12	16	V	0.02	1.8	4.43	158
180970073	2012	5	12	17	V	0.01	2	4.34	157
180970073	2012	5	12	18	V	0.04	1.7	3.39	161
180970073	2012	5	12	19	V	0.04	1.3	2.74	186
180970073	2012	5	12	20	V	0.04	1.1	2.42	195
180970073	2012	5	12	21	V	2.3	1	2.03	224
180970073	2012	5	12	22	V	0.08	0.8	1.94	208
180970073	2012	5	12	23	V	0.1	-999	1.57	310
180970073	2012	5	12	24	V	0.2	0.4	1.25	89
180970073	2012	5	13	1	V	0.2	0.2	1.33	324
180970073	2012	5	13	2	V	2.3	0.1	1.04	263
180970073	2012	5	13	3	V	0.5	0	1.04	290
180970073	2012	5	13	4	V	0.3	0	1.18	341
180970073	2012	5	13	5	V	0.4	0	1.5	10
180970073	2012	5	13	6	V	0.4	0	2.15	43
180970073	2012	5	13	7	V	0.7	0	2.05	29
180970073	2012	5	13	8	V	0.3	0.1	2.66	24
180970073	2012	5	13	9	V	0.7	1.2	2.15	22
180970073	2012	5	13	10	V	0.9	3.5	1.86	81
180970073	2012	5	13	11	V	0.4	2.1	2.42	96
180970073	2012	5	13	12	V	0.2	1.7	2.84	112
180970073	2012	5	13	13	V	0.05	1.6	4.63	113
180970073	2012	5	13	14	V	0.04	1	4.31	115
180970073	2012	5	13	15	V	0.03	0.8	4.71	115
180970073	2012	5	13	16	V	0.02	0.7	5.33	120

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	13	17	V	0.01	0	5.34	121
180970073	2012	5	13	18	V	0.04	0	5.7	118
180970073	2012	5	13	19	V	0.04	0	5.36	111
180970073	2012	5	13	20	V	0.04	0	4.65	113
180970073	2012	5	13	21	V	0.04	0	3.42	112
180970073	2012	5	13	22	V	0.04	0	3.52	109
180970073	2012	5	13	23	V	0.04	0	2.56	107
180970073	2012	5	13	24	V	0.04	0	3.1	91
180970073	2012	5	14	1	V	0.03	0	2.61	97
180970073	2012	5	14	2	V	0.03	0	2.84	101
180970073	2012	5	14	3	V	0.2	0	1.18	72
180970073	2012	5	14	4	V	0.06	0	1.91	41
180970073	2012	5	14	5	V	0.06	0	2.69	44
180970073	2012	5	14	6	V	0.4	0	2.27	43
180970073	2012	5	14	7	V	0.6	0	2.57	19
180970073	2012	5	14	8	V	0.3	0	2.32	29
180970073	2012	5	14	9	V	0.1	0	3.63	32
180970073	2012	5	14	10	V	0.07	0	4.25	18
180970073	2012	5	14	11	V	0.2	0	2.84	38
180970073	2012	5	14	12	V	0.1	0	3.46	43
180970073	2012	5	14	13	V	0.1	0	3.18	8
180970073	2012	5	14	14	V	0.3	0	2.3	25
180970073	2012	5	14	15	V	0.2	0	2.32	10
180970073	2012	5	14	16	V	0.1	0	2.44	352
180970073	2012	5	14	17	V	0.04	0	3.3	342
180970073	2012	5	14	18	V	0.04	0	3	339
180970073	2012	5	14	19	V	0.03	0	3.46	343
180970073	2012	5	14	20	V	0.05	0	2.35	352
180970073	2012	5	14	21	V	0.06	0	2.3	336
180970073	2012	5	14	22	V	0.04	0	2.44	336
180970073	2012	5	14	23	V	0.02	0	4.49	347
180970073	2012	5	14	24	V	0.02	0	3.8	357
180970073	2012	5	15	1	V	0.02	0	3.08	20
180970073	2012	5	15	2	V	0.03	0	2.49	11
180970073	2012	5	15	3	V	0.1	0	1.43	337
180970073	2012	5	15	4	V	0.5	0	0.94	25
180970073	2012	5	15	5	V	0.2	0	1.6	291
180970073	2012	5	15	6	V	2.3	0	1.7	270
180970073	2012	5	15	7	V	5.2	0	0.99	253
180970073	2012	5	15	8	V	2.3	0.1	1.67	266
180970073	2012	5	15	9	V	0.8	0.1	1.55	225
180970073	2012	5	15	10	V	0.7	3.8	1.77	275
180970073	2012	5	15	11	V	0.1	2	3.32	321
180970073	2012	5	15	12	V	0.2	0	3.01	313
180970073	2012	5	15	13	V	0.1	0	3.46	294
180970073	2012	5	15	14	V	0.4	0.2	3.98	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	15	15	V	0.1	0.2	3.78	284
180970073	2012	5	15	16	V	0.4	0.2	3.4	267
180970073	2012	5	15	17	V	1.6	0.4	3.4	250
180970073	2012	5	15	18	V	3.0	1	3.98	244
180970073	2012	5	15	19	V	0.03	4.5	4.61	208
180970073	2012	5	15	20	V	0.03	2.3	4.37	207
180970073	2012	5	15	21	V	0.03	3.3	3.73	203
180970073	2012	5	15	22	V	0.03	1.7	3.47	209
180970073	2012	5	15	23	V	0.1	0.8	3.59	222
180970073	2012	5	15	24	V	40.0	9.3	3.46	232
180970073	2012	5	16	1	V	0.1	19.2	3.69	221
180970073	2012	5	16	2	V	6.1	17	3.63	228
180970073	2012	5	16	3	V	4.2	11.1	3.76	227
180970073	2012	5	16	4	V	2.3	5.8	3.83	226
180970073	2012	5	16	5	V	2.0	10.8	3.93	222
180970073	2012	5	16	6	V	9.3	15.9	4	227
180970073	2012	5	16	7	V	19.5	17.5	3.98	232
180970073	2012	5	16	8	V	10.1	9.5	3.63	243
180970073	2012	5	16	9	V	0.1	3.7	4.51	278
180970073	2012	5	16	10	V	0.1	1.2	4.12	315
180970073	2012	5	16	11	V	0.07	0.3	5.33	330
180970073	2012	5	16	12	V	0.05	0	5.55	1
180970073	2012	5	16	13	V	0.04	0	5.72	13
180970073	2012	5	16	14	V	0.03	0	6.19	13
180970073	2012	5	16	15	V	0.03	0	5.7	14
180970073	2012	5	16	16	V	0.02	0	5.65	12
180970073	2012	5	16	17	V	0.02	0	4.82	23
180970073	2012	5	16	18	V	0.04	0	4.9	15
180970073	2012	5	16	19	V	0.04	0	5.11	14
180970073	2012	5	16	20	V	0.03	0	4.09	21
180970073	2012	5	16	21	V	0.03	0	4.71	14
180970073	2012	5	16	22	V	0.03	0	4.56	19
180970073	2012	5	16	23	V	0.03	0	5	17
180970073	2012	5	16	24	V	0.03	0	5.07	11
180970073	2012	5	17	1	V	0.02	0	4.59	24
180970073	2012	5	17	2	V	0.02	0	4.14	31
180970073	2012	5	17	3	V	0.02	0	3.88	36
180970073	2012	5	17	4	V	0.02	0	3.61	38
180970073	2012	5	17	5	V	0.1	0	2.86	55
180970073	2012	5	17	6	V	0.2	0	3.22	72
180970073	2012	5	17	7	V	0.2	0.5	3.93	84
180970073	2012	5	17	8	V	0.1	0.3	4.56	91
180970073	2012	5	17	9	V	0.05	0	5.67	93
180970073	2012	5	17	10	V	0.03	0	6.36	91
180970073	2012	5	17	11	V	0.05	0	5.39	90
180970073	2012	5	17	12	V	0.05	0	5.36	80

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	17	13	V	0.05	0	5	87
180970073	2012	5	17	14	V	0.06	0	4.66	85
180970073	2012	5	17	15	V	0.06	0	4.31	78
180970073	2012	5	17	16	V	0.04	0	4.37	74
180970073	2012	5	17	17	V	0.02	0	4.8	101
180970073	2012	5	17	18	V	0.04	0	4.49	96
180970073	2012	5	17	19	V	0.04	0	4.32	87
180970073	2012	5	17	20	V	0.03	0	4.07	90
180970073	2012	5	17	21	V	0.03	0	3.29	94
180970073	2012	5	17	22	V	0.03	0	3.39	91
180970073	2012	5	17	23	V	0.04	0	2.91	89
180970073	2012	5	17	24	V	0.05	0	2.76	94
180970073	2012	5	18	1	V	0.05	0	2.78	83
180970073	2012	5	18	2	V	0.04	0	2.84	81
180970073	2012	5	18	3	V	0.04	0	2.54	83
180970073	2012	5	18	4	V	0.03	0	2.66	82
180970073	2012	5	18	5	V	0.1	0.3	2.86	76
180970073	2012	5	18	6	V	0.4	0.4	2.62	75
180970073	2012	5	18	7	V	0.4	0.9	3.08	92
180970073	2012	5	18	8	V	0.2	1	3.42	112
180970073	2012	5	18	9	V	0.2	1	3.76	117
180970073	2012	5	18	10	V	0.3	1.6	3.12	119
180970073	2012	5	18	11	V	0.6	2.1	2.18	126
180970073	2012	5	18	12	V	0.6	1.2	2.11	132
180970073	2012	5	18	13	V	0.5	1	2.23	140
180970073	2012	5	18	14	V	0.3	0.7	2.62	124
180970073	2012	5	18	15	V	0.2	0.7	2.95	128
180970073	2012	5	18	16	V	0.1	0.7	3.18	125
180970073	2012	5	18	17	V	0.05	0.8	3.32	144
180970073	2012	5	18	18	V	0.04	0.5	3.69	136
180970073	2012	5	18	19	V	0.03	0.1	3.85	129
180970073	2012	5	18	20	V	0.04	0	3.12	140
180970073	2012	5	18	21	V	0.07	0	2.27	145
180970073	2012	5	18	22	V	0.05	0.1	2.91	116
180970073	2012	5	18	23	V	0.03	0.2	3.47	126
180970073	2012	5	18	24	V	0.03	0.8	3.66	140
180970073	2012	5	19	1	V	0.03	1	3.13	140
180970073	2012	5	19	2	V	0.06	1.2	2.47	117
180970073	2012	5	19	3	V	0.09	1.3	1.94	102
180970073	2012	5	19	4	V	0.08	1.1	1.82	68
180970073	2012	5	19	5	V	0.4	0.4	1.84	73
180970073	2012	5	19	6	V	1.2	0.1	1.6	83
180970073	2012	5	19	7	V	1.0	1	1.96	108
180970073	2012	5	19	8	V	0.5	0.9	2.35	121
180970073	2012	5	19	9	V	0.2	0.4	2.83	155
180970073	2012	5	19	10	V	0.2	0.2	2.91	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	19	11	V	0.2	0	2.89	169
180970073	2012	5	19	12	V	0.3	0	2.55	144
180970073	2012	5	19	13	V	0.3	0	2.49	175
180970073	2012	5	19	14	V	0.1	0	3.18	148
180970073	2012	5	19	15	V	0.2	0	2.69	178
180970073	2012	5	19	16	V	0.1	0	2.78	167
180970073	2012	5	19	17	V	0.1	0	2.61	196
180970073	2012	5	19	18	V	0.06	0	2.66	186
180970073	2012	5	19	19	V	0.04	0	3.49	160
180970073	2012	5	19	20	V	0.04	0	3.08	175
180970073	2012	5	19	21	V	0.04	0	3.25	171
180970073	2012	5	19	22	V	0.03	0	3.49	177
180970073	2012	5	19	23	V	0.03	-999	3.66	139
180970073	2012	5	19	24	V	0.03	0.3	3.78	140
180970073	2012	5	20	1	V	0.03	0.9	3.56	140
180970073	2012	5	20	2	V	0.05	1.2	2.62	164
180970073	2012	5	20	3	V	0.3	0.8	1.38	187
180970073	2012	5	20	4	V	0.3	0.1	1.38	124
180970073	2012	5	20	5	V	0.4	0	2.1	126
180970073	2012	5	20	6	V	0.6	0	2.16	122
180970073	2012	5	20	7	V	0.9	0.5	2.08	139
180970073	2012	5	20	8	V	0.4	2	2.23	175
180970073	2012	5	20	9	V	0.6	2.2	1.74	176
180970073	2012	5	20	10	V	0.9	13.7	1.45	203
180970073	2012	5	20	11	V	0.8	10.1	1.42	178
180970073	2012	5	20	12	V	0.6	4.7	1.89	175
180970073	2012	5	20	13	V	0.5	0.7	1.96	205
180970073	2012	5	20	14	V	0.4	0.4	1.94	171
180970073	2012	5	20	15	V	0.2	0.2	2.73	167
180970073	2012	5	20	16	V	0.1	0.1	3.03	184
180970073	2012	5	20	17	V	0.02	0	5.26	162
180970073	2012	5	20	18	V	0.07	0	3.91	139
180970073	2012	5	20	19	V	0.04	0	4.02	136
180970073	2012	5	20	20	V	0.04	0	3.35	165
180970073	2012	5	20	21	V	0.05	0	3.93	156
180970073	2012	5	20	22	V	0.04	0	3.98	152
180970073	2012	5	20	23	V	0.04	0	3.64	180
180970073	2012	5	20	24	V	0.05	1.4	7.48	272
180970073	2012	5	21	1	V	0.04	0	6.35	300
180970073	2012	5	21	2	V	0.05	0	3.61	340
180970073	2012	5	21	3	V	0.05	0	2.73	36
180970073	2012	5	21	4	V	0.05	0	2.38	39
180970073	2012	5	21	5	V	0.2	0	2.1	277
180970073	2012	5	21	6	V	0.6	0	4.08	266
180970073	2012	5	21	7	V	0.3	0	3.13	293
180970073	2012	5	21	8	V	0.9	0	1.99	299

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	21	9	V	0.4	0	2.54	315
180970073	2012	5	21	10	V	0.2	0	3.27	330
180970073	2012	5	21	11	V	0.1	0	3.95	330
180970073	2012	5	21	12	V	0.06	0	4.95	336
180970073	2012	5	21	13	V	0.05	0	5.38	340
180970073	2012	5	21	14	V	0.04	0	5.21	357
180970073	2012	5	21	15	V	0.02	0	6.79	342
180970073	2012	5	21	16	V	0.01	0	7.84	341
180970073	2012	5	21	17	V	0.01	0	8.57	325
180970073	2012	5	21	18	V	0.04	0	7.98	324
180970073	2012	5	21	19	V	0.04	0	6.33	325
180970073	2012	5	21	20	V	0.04	0	6.02	329
180970073	2012	5	21	21	V	0.04	0	6.09	339
180970073	2012	5	21	22	V	0.04	0	5.5	341
180970073	2012	5	21	23	V	0.04	0	4.56	356
180970073	2012	5	21	24	V	0.03	0	4.61	354
180970073	2012	5	22	1	V	0.03	0	3.49	360
180970073	2012	5	22	2	V	0.03	0	2.79	355
180970073	2012	5	22	3	V	0.02	0	3.86	350
180970073	2012	5	22	4	V	0.02	0	4.15	351
180970073	2012	5	22	5	V	0.1	0	3.24	355
180970073	2012	5	22	6	V	0.2	0	3.49	357
180970073	2012	5	22	7	V	0.2	0	3.57	355
180970073	2012	5	22	8	V	0.09	0	4.2	6
180970073	2012	5	22	9	V	0.08	0	4.24	360
180970073	2012	5	22	10	V	0.09	0	4.1	7
180970073	2012	5	22	11	V	0.1	0	4.03	5
180970073	2012	5	22	12	V	0.1	0	3.22	19
180970073	2012	5	22	13	V	0.2	0	2.76	12
180970073	2012	5	22	14	V	0.2	0	2.98	10
180970073	2012	5	22	15	V	0.1	0	3.29	344
180970073	2012	5	22	16	V	0.1	0	3.25	327
180970073	2012	5	22	17	V	0.05	0	3.63	350
180970073	2012	5	22	18	V	0.05	0	3.1	354
180970073	2012	5	22	19	V	0.04	0	3.15	3
180970073	2012	5	22	20	V	0.04	0	3.1	21
180970073	2012	5	22	21	V	0.06	0	2.61	14
180970073	2012	5	22	22	V	0.09	0	2.05	29
180970073	2012	5	22	23	V	0.07	0	2.18	354
180970073	2012	5	22	24	V	0.06	0	2.3	346
180970073	2012	5	23	1	V	0.07	0	2.01	352
180970073	2012	5	23	2	V	0.2	0	1.42	335
180970073	2012	5	23	3	V	0.4	0	1.01	347
180970073	2012	5	23	4	V	0.4	0	1.08	310
180970073	2012	5	23	5	V	0.8	0	1.18	315
180970073	2012	5	23	6	V	2.6	0	0.94	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	23	7	V	1.1	0	1.91	53
180970073	2012	5	23	8	V	0.9	0.1	1.84	55
180970073	2012	5	23	9	V	1.3	0	1.5	121
180970073	2012	5	23	10	V	0.5	1	2.18	140
180970073	2012	5	23	11	V	0.5	1.8	2.25	182
180970073	2012	5	23	12	V	0.2	1.4	3.01	169
180970073	2012	5	23	13	V	0.2	0.9	3.3	144
180970073	2012	5	23	14	V	0.08	0.9	4.07	167
180970073	2012	5	23	15	V	0.09	0.2	3.68	170
180970073	2012	5	23	16	V	0.06	0	3.93	144
180970073	2012	5	23	17	V	0.03	0	4.63	170
180970073	2012	5	23	18	V	0.05	0	5.21	159
180970073	2012	5	23	19	V	0.03	0	4.97	188
180970073	2012	5	23	20	V	0.04	0	4.07	176
180970073	2012	5	23	21	V	0.04	0	3.32	173
180970073	2012	5	23	22	V	0.03	0	3.42	153
180970073	2012	5	23	23	V	0.03	0	3.9	147
180970073	2012	5	23	24	V	0.03	0	4.26	148
180970073	2012	5	24	1	V	0.03	0	4.15	147
180970073	2012	5	24	2	V	0.03	0	4.71	148
180970073	2012	5	24	3	V	0.03	0	4.68	144
180970073	2012	5	24	4	V	0.03	0	4.75	141
180970073	2012	5	24	5	V	0.08	0	4.29	144
180970073	2012	5	24	6	V	0.2	0	4.05	148
180970073	2012	5	24	7	V	0.3	0	3.56	149
180970073	2012	5	24	8	V	0.2	0	3.44	159
180970073	2012	5	24	9	V	0.2	0	3.68	158
180970073	2012	5	24	10	V	0.06	0.4	5.17	173
180970073	2012	5	24	11	V	0.02	0.2	7.54	182
180970073	2012	5	24	12	V	0.01	0	8.57	165
180970073	2012	5	24	13	V	0.01	0	8.64	175
180970073	2012	5	24	14	V	0.01	0	8.95	169
180970073	2012	5	24	15	V	0.01	0	8.57	173
180970073	2012	5	24	16	V	0.01	0	7.84	179
180970073	2012	5	24	17	V	0.01	0	8.06	179
180970073	2012	5	24	18	V	0.04	0	7.79	171
180970073	2012	5	24	19	V	0.03	0	7.94	170
180970073	2012	5	24	20	V	0.03	0	6.72	165
180970073	2012	5	24	21	V	0.04	1.3	5.51	154
180970073	2012	5	24	22	V	0.03	0.7	5.97	152
180970073	2012	5	24	23	V	0.04	0.1	5.17	153
180970073	2012	5	24	24	V	0.04	0	4.95	159
180970073	2012	5	25	1	V	0.04	0	6.96	169
180970073	2012	5	25	2	V	0.04	0.4	5.36	159
180970073	2012	5	25	3	V	0.04	0.6	4.36	188
180970073	2012	5	25	4	V	0.04	0.7	5.36	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	25	5	V	0.03	0.7	5.96	189
180970073	2012	5	25	6	V	0.1	0.4	4.36	188
180970073	2012	5	25	7	V	1.0	0.4	4.86	220
180970073	2012	5	25	8	V	0.1	0.4	5.96	217
180970073	2012	5	25	9	V	18.6	1.5	5.36	234
180970073	2012	5	25	10	V	8.9	10	4.86	241
180970073	2012	5	25	11	V	4.2	4.5	4.36	240
180970073	2012	5	25	12	V	1.3	4.4	2.86	263
180970073	2012	5	25	13	V	4.3	4	3.86	232
180970073	2012	5	25	14	V	0.2	5.6	5.36	212
180970073	2012	5	25	15	V	0.04	1.6	5.36	207
180970073	2012	5	25	16	M	-999	0.1	2.36	999
180970073	2012	5	25	17	V	0.02	0	4.86	194
180970073	2012	5	25	18	V	0.01	0	4.86	207
180970073	2012	5	25	19	V	0.04	0	4.86	212
180970073	2012	5	25	20	V	0.04	0	3.36	200
180970073	2012	5	25	21	V	0.06	0	2.36	168
180970073	2012	5	25	22	V	0.04	0	3.86	169
180970073	2012	5	25	23	V	0.1	0	1.76	117
180970073	2012	5	25	24	V	0.04	0	3.76	149
180970073	2012	5	26	1	V	0.06	0	2.5	177
180970073	2012	5	26	2	V	0.09	0	2.05	200
180970073	2012	5	26	3	V	0.4	0	1.21	212
180970073	2012	5	26	4	V	0.4	0	1.08	64
180970073	2012	5	26	5	V	0.7	0	1.45	60
180970073	2012	5	26	6	V	0.6	0	1.96	108
180970073	2012	5	26	7	V	0.5	0	2.42	132
180970073	2012	5	26	8	V	0.3	0	2.28	113
180970073	2012	5	26	9	V	1.2	3.1	1.74	197
180970073	2012	5	26	10	V	1.3	18.6	1.18	212
180970073	2012	5	26	11	V	1.3	7.1	1.59	201
180970073	2012	5	26	12	V	1.1	0.5	2.2	204
180970073	2012	5	26	13	V	0.08	0	4.44	148
180970073	2012	5	26	14	V	0.07	0	4.27	178
180970073	2012	5	26	15	V	0.05	0	4.66	173
180970073	2012	5	26	16	V	0.03	0	5.05	178
180970073	2012	5	26	17	V	0.02	0	5.45	182
180970073	2012	5	26	18	V	0.06	0	5.94	190
180970073	2012	5	26	19	V	0.04	0	5.51	184
180970073	2012	5	26	20	V	0.05	0	3.17	189
180970073	2012	5	26	21	V	0.07	0	2.18	171
180970073	2012	5	26	22	V	0.06	0	2.66	142
180970073	2012	5	26	23	V	0.04	-999	3.2	154
180970073	2012	5	26	24	V	0.04	0	3.51	147
180970073	2012	5	27	1	V	0.05	0	2.64	162
180970073	2012	5	27	2	V	0.03	0	3.13	156

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	27	3	V	0.2	0	1.38	149
180970073	2012	5	27	4	V	0.1	0	1.72	108
180970073	2012	5	27	5	V	0.4	0	1.82	119
180970073	2012	5	27	6	V	0.2	0	2.98	158
180970073	2012	5	27	7	V	0.2	0	3.39	184
180970073	2012	5	27	8	V	0.1	0.4	4.15	203
180970073	2012	5	27	9	V	11.5	7.3	4.22	224
180970073	2012	5	27	10	V	11.2	15.8	3.59	228
180970073	2012	5	27	11	V	2.7	5.3	3.32	216
180970073	2012	5	27	12	V	0.4	8	4.51	207
180970073	2012	5	27	13	V	0.3	0.8	6.31	212
180970073	2012	5	27	14	V	0.04	0	5.6	201
180970073	2012	5	27	15	V	0.2	0	5.94	211
180970073	2012	5	27	16	V	0.02	0	5.63	204
180970073	2012	5	27	17	V	0.02	0	5.72	204
180970073	2012	5	27	18	V	0.06	0	5.7	198
180970073	2012	5	27	19	V	0.04	0	5.41	183
180970073	2012	5	27	20	V	0.04	0	4.37	179
180970073	2012	5	27	21	V	0.04	0	3.57	168
180970073	2012	5	27	22	V	0.04	0	3.46	160
180970073	2012	5	27	23	V	0.04	0	4.36	165
180970073	2012	5	27	24	V	0.04	0	4.31	174
180970073	2012	5	28	1	V	0.03	0	4.07	181
180970073	2012	5	28	2	V	0.03	0	4.46	175
180970073	2012	5	28	3	V	0.03	0	4.78	178
180970073	2012	5	28	4	V	0.03	0	4.66	180
180970073	2012	5	28	5	V	0.1	0	3.91	180
180970073	2012	5	28	6	V	0.3	0	2.78	186
180970073	2012	5	28	7	V	0.4	0	2.52	188
180970073	2012	5	28	8	V	0.2	0.2	3.64	203
180970073	2012	5	28	9	V	1.8	23.2	4.61	221
180970073	2012	5	28	10	V	2.5	23.3	5.68	238
180970073	2012	5	28	11	V	2.5	9.4	6.6	232
180970073	2012	5	28	12	V	0.5	4.1	6.64	215
180970073	2012	5	28	13	V	0.3	1.3	7.11	215
180970073	2012	5	28	14	V	0.05	0.1	7.45	209
180970073	2012	5	28	15	V	0.09	0	6.7	210
180970073	2012	5	28	16	V	0.01	0	7.65	207
180970073	2012	5	28	17	V	0.01	0	7.47	201
180970073	2012	5	28	18	V	0.01	0	7.4	209
180970073	2012	5	28	19	V	0.03	0	6.69	194
180970073	2012	5	28	20	V	0.04	0	5.46	176
180970073	2012	5	28	21	V	0.04	0	5.56	175
180970073	2012	5	28	22	V	0.04	0	5.67	180
180970073	2012	5	28	23	V	0.04	0	5.84	179
180970073	2012	5	28	24	V	0.04	0	5.73	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	29	1	V	0.03	0	5.53	183
180970073	2012	5	29	2	V	0.04	0	4.8	178
180970073	2012	5	29	3	V	0.04	0	4.56	192
180970073	2012	5	29	4	V	0.03	0	5.43	205
180970073	2012	5	29	5	V	0.02	0.4	6.18	276
180970073	2012	5	29	6	V	0.7	0	4.9	263
180970073	2012	5	29	7	V	0.3	0	3.29	206
180970073	2012	5	29	8	V	0.3	0	3.2	155
180970073	2012	5	29	9	V	0.5	0	2.54	201
180970073	2012	5	29	10	V	2.0	0.9	2.15	206
180970073	2012	5	29	11	V	7.0	5.7	2.28	249
180970073	2012	5	29	12	V	0.7	9.4	1.64	329
180970073	2012	5	29	13	V	1.7	1.1	1.5	281
180970073	2012	5	29	14	V	7.1	1	1.79	238
180970073	2012	5	29	15	V	0.5	17.2	3.66	210
180970073	2012	5	29	16	V	6.0	17.9	3.42	230
180970073	2012	5	29	17	V	0.9	11	4.49	259
180970073	2012	5	29	18	V	0.2	0.2	5.12	269
180970073	2012	5	29	19	V	0.3	0	5	264
180970073	2012	5	29	20	V	8.5	0	3.98	250
180970073	2012	5	29	21	V	6.8	0	3.51	248
180970073	2012	5	29	22	V	6.7	0.1	2.93	239
180970073	2012	5	29	23	V	1.8	0.4	2.81	241
180970073	2012	5	29	24	V	1.1	0.3	3.17	244
180970073	2012	5	30	1	V	2.9	0.5	2.91	257
180970073	2012	5	30	2	V	0.1	0.2	1.86	275
180970073	2012	5	30	3	V	4.2	0	2.32	246
180970073	2012	5	30	4	V	7.1	0	2.61	255
180970073	2012	5	30	5	V	2.3	0	2.15	265
180970073	2012	5	30	6	V	0.7	0	2.25	291
180970073	2012	5	30	7	V	0.7	0.1	2.05	311
180970073	2012	5	30	8	V	0.4	0	2.59	334
180970073	2012	5	30	9	V	0.3	0	2.88	343
180970073	2012	5	30	10	V	0.1	0	3.88	320
180970073	2012	5	30	11	V	0.02	0	6.43	297
180970073	2012	5	30	12	V	0.02	0	6.97	289
180970073	2012	5	30	13	V	0.02	0	7.59	278
180970073	2012	5	30	14	V	0.04	0	6.99	271
180970073	2012	5	30	15	V	0.01	0	7.04	282
180970073	2012	5	30	16	V	0.02	0	6.19	276
180970073	2012	5	30	17	V	0.02	0	6.07	282
180970073	2012	5	30	18	V	0.05	0	5.89	290
180970073	2012	5	30	19	V	0.03	0	5.46	304
180970073	2012	5	30	20	V	0.03	0	4.25	317
180970073	2012	5	30	21	V	0.03	0	3.4	320
180970073	2012	5	30	22	V	0.04	0	3.58	337

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	5	30	23	V	0.03	0	5.17	10
180970073	2012	5	30	24	V	0.03	0	4.2	26
180970073	2012	5	31	1	V	0.04	0	2.86	19
180970073	2012	5	31	2	V	0.02	0	3.18	10
180970073	2012	5	31	3	V	0.02	0	3.51	9
180970073	2012	5	31	4	V	0.02	0	3.85	25
180970073	2012	5	31	5	V	0.06	0	4.27	33
180970073	2012	5	31	6	V	0.2	0	3.63	40
180970073	2012	5	31	7	V	0.09	0	4.66	42
180970073	2012	5	31	8	V	0.1	0	4.32	53
180970073	2012	5	31	9	V	0.2	0	3.64	75
180970073	2012	5	31	10	V	0.09	0	4.49	89
180970073	2012	5	31	11	V	0.07	0	4.48	103
180970073	2012	5	31	12	V	0.04	0	5.27	101
180970073	2012	5	31	13	V	0.05	0.1	5.17	120
180970073	2012	5	31	14	V	0.02	0	6.62	124
180970073	2012	5	31	15	V	0.02	0	6.65	118
180970073	2012	5	31	16	V	0.02	0	6.02	154
180970073	2012	5	31	17	V	0.01	0	6.04	351
180970073	2012	5	31	18	V	0.05	0	4.95	51
180970073	2012	5	31	19	V	0.04	0	4.48	36
180970073	2012	5	31	20	V	0.04	0	5.21	24
180970073	2012	5	31	21	V	0.04	0	4.44	34
180970073	2012	5	31	22	V	0.04	0	4.19	45
180970073	2012	5	31	23	V	0.04	0	4.12	47
180970073	2012	5	31	24	V	0.04	0	3.49	25
180970073	2012	6	1	1	V	0.03	0	2.98	18
180970073	2012	6	1	2	V	0.03	0	4.09	336
180970073	2012	6	1	3	V	0.03	0	4.65	333
180970073	2012	6	1	4	V	0.03	0	5.24	338
180970073	2012	6	1	5	V	0.02	0	5.19	333
180970073	2012	6	1	6	V	0.02	0	6.23	332
180970073	2012	6	1	7	V	0.03	0	5.94	329
180970073	2012	6	1	8	V	0.03	0	6.26	320
180970073	2012	6	1	9	V	0.02	0	6.64	306
180970073	2012	6	1	10	V	0.02	0	6.63	298
180970073	2012	6	1	11	V	0.02	0	7.26	297
180970073	2012	6	1	12	V	0.02	0	7.84	301
180970073	2012	6	1	13	V	0.01	0	7.6	298
180970073	2012	6	1	14	V	0.01	0	8.62	291
180970073	2012	6	1	15	V	0.01	0	8.1	297
180970073	2012	6	1	16	V	0.01	0	6.26	295
180970073	2012	6	1	17	V	0.01	0	5.94	289
180970073	2012	6	1	18	V	0.05	0	5.92	287
180970073	2012	6	1	19	V	0.04	0	5.36	284
180970073	2012	6	1	20	V	1.0	0	4.63	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	1	21	V	6.1	0	4.44	248
180970073	2012	6	1	22	V	4.1	3.1	4.6	245
180970073	2012	6	1	23	V	18.3	0.3	4.78	237
180970073	2012	6	1	24	V	27.7	2	4.78	232
180970073	2012	6	2	1	V	23.4	13.7	4.63	231
180970073	2012	6	2	2	V	17.6	7.4	4.43	234
180970073	2012	6	2	3	V	13.5	11.4	4.53	236
180970073	2012	6	2	4	V	11.5	6.5	4.02	229
180970073	2012	6	2	5	V	12.7	10	3.8	229
180970073	2012	6	2	6	V	8.3	12.7	4.05	226
180970073	2012	6	2	7	V	3.5	16.5	4.56	229
180970073	2012	6	2	8	V	2.9	25.7	5.41	237
180970073	2012	6	2	9	V	2.1	9.3	5.9	241
180970073	2012	6	2	10	V	1.4	2.5	6.99	245
180970073	2012	6	2	11	V	1.0	1.2	8.01	248
180970073	2012	6	2	12	V	1.4	0.2	7.98	244
180970073	2012	6	2	13	V	1.6	0.2	7.79	243
180970073	2012	6	2	14	V	1.2	0	7.6	246
180970073	2012	6	2	15	V	1.5	0	8.03	243
180970073	2012	6	2	16	V	2.5	2.4	9.27	239
180970073	2012	6	2	17	V	3.7	1.1	6.99	238
180970073	2012	6	2	18	V	20.8	6.1	7.11	235
180970073	2012	6	2	19	V	0.9	10.6	5.26	220
180970073	2012	6	2	20	V	0.05	14.8	3.46	208
180970073	2012	6	2	21	V	0.06	3.2	2.69	220
180970073	2012	6	2	22	V	0.05	0.7	2.66	182
180970073	2012	6	2	23	V	0.06	-999	2.32	190
180970073	2012	6	2	24	V	0.1	0	1.74	199
180970073	2012	6	3	1	V	0.05	0	2.35	199
180970073	2012	6	3	2	V	19.2	0	1.59	229
180970073	2012	6	3	3	V	3.5	0	2.06	245
180970073	2012	6	3	4	V	3.3	0	2.1	245
180970073	2012	6	3	5	V	10.4	0	2.81	242
180970073	2012	6	3	6	V	8.3	0	2.61	251
180970073	2012	6	3	7	V	4.7	0	2.11	244
180970073	2012	6	3	8	V	3.6	9.7	3.03	242
180970073	2012	6	3	9	V	1.9	8.7	3.17	252
180970073	2012	6	3	10	V	0.2	6.1	5.46	268
180970073	2012	6	3	11	V	0.1	0.5	5.36	270
180970073	2012	6	3	12	V	0.03	0	6.36	277
180970073	2012	6	3	13	V	0.03	0	6.02	287
180970073	2012	6	3	14	V	0.02	0	6.41	287
180970073	2012	6	3	15	V	0.03	0	5.82	293
180970073	2012	6	3	16	V	0.02	0	5.34	281
180970073	2012	6	3	17	V	0.02	0	4.88	287
180970073	2012	6	3	18	V	0.06	0	4.75	283

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	3	19	V	0.06	0	4.22	272
180970073	2012	6	3	20	V	3.5	0	3.73	258
180970073	2012	6	3	21	V	8.6	0	3.3	252
180970073	2012	6	3	22	V	4.7	0	2.71	246
180970073	2012	6	3	23	V	0.08	0.1	2.2	266
180970073	2012	6	3	24	V	6.2	0	2.27	247
180970073	2012	6	4	1	V	0.04	0	2.45	327
180970073	2012	6	4	2	V	0.03	0	3.1	314
180970073	2012	6	4	3	V	0.03	0	2.78	315
180970073	2012	6	4	4	V	0.03	0	2.59	313
180970073	2012	6	4	5	V	0.1	0	2.81	346
180970073	2012	6	4	6	V	0.9	0	1.52	296
180970073	2012	6	4	7	V	0.6	0	2.22	341
180970073	2012	6	4	8	V	0.3	0.6	2.55	332
180970073	2012	6	4	9	V	0.3	0.4	2.78	289
180970073	2012	6	4	10	V	0.1	0	3.54	291
180970073	2012	6	4	11	V	0.2	0	3.42	278
180970073	2012	6	4	12	V	0.4	0.1	2.83	276
180970073	2012	6	4	13	V	0.04	0	4.49	287
180970073	2012	6	4	14	V	0.07	0	4.07	292
180970073	2012	6	4	15	V	0.1	0	4.14	275
180970073	2012	6	4	16	V	0.4	0	4.31	266
180970073	2012	6	4	17	V	1.0	0	5.36	257
180970073	2012	6	4	18	V	2.7	0	5.02	260
180970073	2012	6	4	19	V	0.04	0	5.1	273
180970073	2012	6	4	20	V	0.04	0	4.09	271
180970073	2012	6	4	21	V	0.04	0	4.08	292
180970073	2012	6	4	22	V	0.03	0	5.84	356
180970073	2012	6	4	23	V	0.03	0	5.46	1
180970073	2012	6	4	24	V	0.03	0	4.97	6
180970073	2012	6	5	1	V	0.03	0	3.46	14
180970073	2012	6	5	2	V	0.04	0	2.57	26
180970073	2012	6	5	3	V	0.05	0	2.3	15
180970073	2012	6	5	4	V	0.03	0	2.76	23
180970073	2012	6	5	5	V	0.1	0	3.35	34
180970073	2012	6	5	6	V	0.2	0	3.59	28
180970073	2012	6	5	7	V	0.3	0.2	3.24	38
180970073	2012	6	5	8	V	0.7	0.2	2.15	35
180970073	2012	6	5	9	V	1.4	0.1	1.63	37
180970073	2012	6	5	10	V	0.2	0.1	3.36	37
180970073	2012	6	5	11	V	0.07	0	3.86	347
180970073	2012	6	5	12	V	0.02	0.2	5.96	18
180970073	2012	6	5	13	V	0.01	0	7.46	31
180970073	2012	6	5	14	V	0.01	0	7.46	16
180970073	2012	6	5	15	V	0.01	0	6.96	36
180970073	2012	6	5	16	V	0.01	0	6.96	28

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	5	17	V	0.01	0	8.46	40
180970073	2012	6	5	18	V	0.05	0	6.96	46
180970073	2012	6	5	19	V	0.04	0	5.96	53
180970073	2012	6	5	20	V	0.04	0	5.36	48
180970073	2012	6	5	21	V	0.04	0	3.86	75
180970073	2012	6	5	22	V	0.04	0	3.36	64
180970073	2012	6	5	23	V	0.03	0	3.36	40
180970073	2012	6	5	24	V	0.03	0	3.86	39
180970073	2012	6	6	1	V	0.02	0	3.36	29
180970073	2012	6	6	2	V	0.03	0	2.86	8
180970073	2012	6	6	3	V	0.03	0	2.86	9
180970073	2012	6	6	4	V	0.03	0	2.86	23
180970073	2012	6	6	5	V	0.05	0	4.36	45
180970073	2012	6	6	6	V	0.2	0	3.36	34
180970073	2012	6	6	7	V	0.2	0	3.86	29
180970073	2012	6	6	8	V	0.1	1.2	3.86	38
180970073	2012	6	6	9	V	0.03	3.3	5.96	43
180970073	2012	6	6	10	V	0.04	1.6	5.36	74
180970073	2012	6	6	11	V	0.02	0	7.46	17
180970073	2012	6	6	12	V	0.02	0	5.96	45
180970073	2012	6	6	13	V	0.03	0	5.96	56
180970073	2012	6	6	14	V	0.03	0	5.36	56
180970073	2012	6	6	15	V	0.1	0	2.86	63
180970073	2012	6	6	16	V	0.04	0	4.36	3
180970073	2012	6	6	17	V	0.09	0	2.86	92
180970073	2012	6	6	18	V	0.07	0	4.36	19
180970073	2012	6	6	19	V	0.04	0	3.36	13
180970073	2012	6	6	20	V	0.04	0	3.36	26
180970073	2012	6	6	21	V	0.1	0	1.76	62
180970073	2012	6	6	22	V	0.1	0	1.76	28
180970073	2012	6	6	23	C	-999	0	0	0
180970073	2012	6	6	24	C	-999	0	0	0
180970073	2012	6	7	1	V	0.1	0	1.76	330
180970073	2012	6	7	2	V	0.03	0	2.86	355
180970073	2012	6	7	3	V	0.09	0	1.76	3
180970073	2012	6	7	4	V	0.08	0	1.76	356
180970073	2012	6	7	5	C	-999	0	0	0
180970073	2012	6	7	6	C	-999	0	0	0
180970073	2012	6	7	7	C	-999	0.4	0	0
180970073	2012	6	7	8	C	-999	0.3	0	0
180970073	2012	6	7	9	C	-999	0.1	0	0
180970073	2012	6	7	10	M	-999	0	1.76	999
180970073	2012	6	7	11	M	-999	0	1.76	999
180970073	2012	6	7	12	M	-999	0	1.76	999
180970073	2012	6	7	13	V	0.04	0	3.86	33
180970073	2012	6	7	14	V	0.1	0	2.36	338

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	7	15	V	0.04	0	3.36	43
180970073	2012	6	7	16	V	0.3	0	1.76	39
180970073	2012	6	7	17	V	0.02	0	4.36	14
180970073	2012	6	7	18	V	0.01	0	4.36	314
180970073	2012	6	7	19	V	0.03	0	3.86	343
180970073	2012	6	7	20	V	0.03	0	3.36	348
180970073	2012	6	7	21	V	0.05	0	2.36	349
180970073	2012	6	7	22	V	0.04	0	2.86	350
180970073	2012	6	7	23	V	0.05	0	2.86	279
180970073	2012	6	7	24	V	0.03	0	3.36	17
180970073	2012	6	8	1	C	-999	0	0	0
180970073	2012	6	8	2	V	0.1	0	1.76	40
180970073	2012	6	8	3	V	0.09	0	1.76	26
180970073	2012	6	8	4	C	-999	0	0	0
180970073	2012	6	8	5	C	-999	0	0	0
180970073	2012	6	8	6	C	-999	0	0	0
180970073	2012	6	8	7	C	-999	0.3	0	0
180970073	2012	6	8	8	C	-999	0.4	0	0
180970073	2012	6	8	9	V	0.7	0	1.76	176
180970073	2012	6	8	10	M	-999	0.8	1.76	999
180970073	2012	6	8	11	V	0.7	9.9	2.36	269
180970073	2012	6	8	12	C	-999	0.7	0	0
180970073	2012	6	8	13	M	-999	0	1.76	999
180970073	2012	6	8	14	V	0.08	0	3.86	314
180970073	2012	6	8	15	V	0.1	0	3.36	320
180970073	2012	6	8	16	M	-999	0.2	1.76	999
180970073	2012	6	8	17	M	-999	0	1.76	999
180970073	2012	6	8	18	C	-999	0	0	0
180970073	2012	6	8	19	V	0.05	0	3.36	269
180970073	2012	6	8	20	V	0.06	0.4	2.36	274
180970073	2012	6	8	21	V	0.04	1.3	3.36	206
180970073	2012	6	8	22	V	14.7	1.6	2.36	238
180970073	2012	6	8	23	V	0.03	0.6	3.36	214
180970073	2012	6	8	24	V	17.4	0	2.36	237
180970073	2012	6	9	1	V	5.2	0	1.76	246
180970073	2012	6	9	2	V	21.6	0	1.76	230
180970073	2012	6	9	3	V	18.8	0	2.36	230
180970073	2012	6	9	4	V	13.2	0	2.36	237
180970073	2012	6	9	5	C	-999	0	0	0
180970073	2012	6	9	6	C	-999	0	0	0
180970073	2012	6	9	7	C	-999	1.3	0	0
180970073	2012	6	9	8	V	2.0	21.2	2.36	225
180970073	2012	6	9	9	V	2.5	211.9	3.36	228
180970073	2012	6	9	10	V	2.8	64.2	3.36	231
180970073	2012	6	9	11	V	0.1	3	3.36	178
180970073	2012	6	9	12	V	0.5	0.6	4.86	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	9	13	V	0.9	1.6	2.36	202
180970073	2012	6	9	14	V	0.08	1.4	4.36	197
180970073	2012	6	9	15	V	3.0	1.1	5.36	231
180970073	2012	6	9	16	V	1.8	0.9	3.36	219
180970073	2012	6	9	17	V	1.9	0.5	3.86	221
180970073	2012	6	9	18	V	0.01	0.1	6.46	199
180970073	2012	6	9	19	V	0.04	0	3.36	206
180970073	2012	6	9	20	V	0.04	0	2.86	175
180970073	2012	6	9	21	V	0.04	0.2	3.86	157
180970073	2012	6	9	22	V	0.04	0.3	4.86	170
180970073	2012	6	9	23	V	0.04	-999	4.36	172
180970073	2012	6	9	24	V	0.03	0	3.86	150
180970073	2012	6	10	1	V	0.04	0	2.86	164
180970073	2012	6	10	2	V	0.09	0	1.76	142
180970073	2012	6	10	3	C	-999	0	0	0
180970073	2012	6	10	4	V	0.09	0	1.76	126
180970073	2012	6	10	5	V	0.5	0	1.76	117
180970073	2012	6	10	6	V	0.4	0	2.36	131
180970073	2012	6	10	7	V	0.2	0	2.86	116
180970073	2012	6	10	8	V	0.1	0	3.36	171
180970073	2012	6	10	9	V	0.8	0.1	1.76	166
180970073	2012	6	10	10	M	-999	0.8	3.36	999
180970073	2012	6	10	11	V	0.03	0.2	4.86	156
180970073	2012	6	10	12	V	0.1	0	2.86	143
180970073	2012	6	10	13	V	0.02	0	6.96	129
180970073	2012	6	10	14	V	0.01	0	8.46	162
180970073	2012	6	10	15	V	0.01	0	7.46	148
180970073	2012	6	10	16	V	0.02	0	5.96	170
180970073	2012	6	10	17	V	0.01	0	9.06	142
180970073	2012	6	10	18	V	0.01	0	7.46	162
180970073	2012	6	10	19	V	0.04	0	7.46	161
180970073	2012	6	10	20	V	0.05	0	4.86	169
180970073	2012	6	10	21	V	0.05	0	3.86	148
180970073	2012	6	10	22	V	0.05	0.5	3.86	150
180970073	2012	6	10	23	V	0.05	1.5	2.86	135
180970073	2012	6	10	24	V	0.05	1.2	5.36	170
180970073	2012	6	11	1	V	0.05	0.2	5.96	172
180970073	2012	6	11	2	V	0.05	0.6	3.36	208
180970073	2012	6	11	3	V	0.05	0.7	3.86	178
180970073	2012	6	11	4	V	0.05	0.8	3.86	186
180970073	2012	6	11	5	V	0.09	0.4	3.86	182
180970073	2012	6	11	6	V	0.2	0	3.36	184
180970073	2012	6	11	7	V	0.2	0.1	3.36	178
180970073	2012	6	11	8	V	0.2	0	3.86	170
180970073	2012	6	11	9	V	0.2	0.1	3.36	170
180970073	2012	6	11	10	M	-999	0.1	2.36	999

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	11	11	V	0.3	0	2.36	151
180970073	2012	6	11	12	V	0.3	0	2.36	150
180970073	2012	6	11	13	V	0.1	0	4.36	183
180970073	2012	6	11	14	V	0.03	0	5.96	205
180970073	2012	6	11	15	V	2.4	0	7.46	241
180970073	2012	6	11	16	V	0.03	0.1	5.36	212
180970073	2012	6	11	17	V	0.02	0.4	4.86	179
180970073	2012	6	11	18	V	0.01	0	4.36	214
180970073	2012	6	11	19	V	0.5	0	3.86	264
180970073	2012	6	11	20	V	0.05	0	2.86	210
180970073	2012	6	11	21	V	0.05	0	3.36	211
180970073	2012	6	11	22	V	0.06	0	2.36	176
180970073	2012	6	11	23	V	0.04	0	3.36	207
180970073	2012	6	11	24	V	2.0	0	3.36	244
180970073	2012	6	12	1	V	0.05	0	4.86	269
180970073	2012	6	12	2	V	0.03	0	2.86	273
180970073	2012	6	12	3	V	7.0	0	2.86	238
180970073	2012	6	12	4	V	8.6	0	3.86	252
180970073	2012	6	12	5	V	0.2	0	3.86	270
180970073	2012	6	12	6	V	0.02	0	5.96	322
180970073	2012	6	12	7	V	0.01	0	7.96	325
180970073	2012	6	12	8	V	0.02	0	6.96	340
180970073	2012	6	12	9	V	0.02	0.1	6.96	332
180970073	2012	6	12	10	V	0.02	0	6.96	316
180970073	2012	6	12	11	V	0.05	0	4.86	335
180970073	2012	6	12	12	V	0.02	0	6.46	286
180970073	2012	6	12	13	V	0.02	0.2	6.46	302
180970073	2012	6	12	14	V	0.01	0.4	8.46	294
180970073	2012	6	12	15	V	0.01	0	6.46	290
180970073	2012	6	12	16	V	0.01	0	7.96	314
180970073	2012	6	12	17	V	0.01	0	10.06	315
180970073	2012	6	12	18	V	0.05	0	6.96	325
180970073	2012	6	12	19	V	0.03	0	6.2	332
180970073	2012	6	12	20	V	0.03	0	5.55	337
180970073	2012	6	12	21	V	0.04	0	4.88	350
180970073	2012	6	12	22	V	0.03	0	6.31	24
180970073	2012	6	12	23	V	0.03	0	5.97	25
180970073	2012	6	12	24	V	0.03	0	5.33	30
180970073	2012	6	13	1	V	0.03	0	4.36	32
180970073	2012	6	13	2	V	0.02	0	3.12	25
180970073	2012	6	13	3	V	0.02	0	3.23	11
180970073	2012	6	13	4	V	0.02	0	3.32	17
180970073	2012	6	13	5	V	0.1	0	3.18	17
180970073	2012	6	13	6	V	0.06	0	4.46	25
180970073	2012	6	13	7	V	0.05	0	5.46	45
180970073	2012	6	13	8	V	0.05	0	5.73	57

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	13	9	V	0.03	0	6.5	68
180970073	2012	6	13	10	V	0.06	0	5	77
180970073	2012	6	13	11	V	0.1	0	3.68	71
180970073	2012	6	13	12	V	0.2	0	3.49	96
180970073	2012	6	13	13	V	0.07	0	3.47	72
180970073	2012	6	13	14	V	0.04	0	3.91	67
180970073	2012	6	13	15	V	0.03	0	4.29	49
180970073	2012	6	13	16	V	0.04	0	3.83	65
180970073	2012	6	13	17	V	0.04	0	4.22	75
180970073	2012	6	13	18	V	0.02	0	3.86	68
180970073	2012	6	13	19	V	0.04	0	3.97	69
180970073	2012	6	13	20	V	0.05	0	4.58	85
180970073	2012	6	13	21	V	0.04	0	3.91	65
180970073	2012	6	13	22	V	0.03	0	3.61	52
180970073	2012	6	13	23	V	0.03	0	4.37	71
180970073	2012	6	13	24	V	0.03	0	3.93	72
180970073	2012	6	14	1	V	0.03	0	4.25	82
180970073	2012	6	14	2	V	0.02	0	4.32	77
180970073	2012	6	14	3	V	0.02	0	4.07	81
180970073	2012	6	14	4	V	0.02	0	3.25	86
180970073	2012	6	14	5	V	0.1	0	3.17	89
180970073	2012	6	14	6	V	0.2	0	3.1	77
180970073	2012	6	14	7	V	0.2	0	3.73	83
180970073	2012	6	14	8	V	0.3	1	3.1	93
180970073	2012	6	14	9	V	0.2	0.9	2.98	105
180970073	2012	6	14	10	V	0.3	0.4	2.79	117
180970073	2012	6	14	11	V	0.2	0.4	3.21	94
180970073	2012	6	14	12	V	0.08	0.3	4.03	97
180970073	2012	6	14	13	V	0.1	0.2	3.97	96
180970073	2012	6	14	14	V	0.08	0	4.36	114
180970073	2012	6	14	15	V	0.1	0	3.37	113
180970073	2012	6	14	16	V	0.1	0	3.35	91
180970073	2012	6	14	17	V	0.09	0	3.03	92
180970073	2012	6	14	18	V	0.01	0	4.12	125
180970073	2012	6	14	19	V	0.04	0	4	117
180970073	2012	6	14	20	V	0.04	0	3.76	120
180970073	2012	6	14	21	V	0.03	0	3.57	123
180970073	2012	6	14	22	V	0.03	0	3.69	119
180970073	2012	6	14	23	V	0.03	0.3	3.73	127
180970073	2012	6	14	24	V	0.03	0.5	3.22	114
180970073	2012	6	15	1	V	0.05	0.3	2.44	113
180970073	2012	6	15	2	V	0.1	0.1	1.59	107
180970073	2012	6	15	3	V	0.07	0.2	1.98	83
180970073	2012	6	15	4	V	0.2	0	1.25	57
180970073	2012	6	15	5	V	1.6	0	0.94	27
180970073	2012	6	15	6	V	1.2	0	1.48	46

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	15	7	V	0.6	1.3	2.23	61
180970073	2012	6	15	8	V	0.6	3.2	2.27	100
180970073	2012	6	15	9	V	0.4	10.7	2.66	124
180970073	2012	6	15	10	V	0.2	7.2	3.25	137
180970073	2012	6	15	11	V	1.3	7.2	1.72	203
180970073	2012	6	15	12	V	0.9	3.6	1.71	199
180970073	2012	6	15	13	V	0.9	1.7	1.54	85
180970073	2012	6	15	14	V	0.5	2.5	2.1	144
180970073	2012	6	15	15	V	0.2	2.3	2.57	120
180970073	2012	6	15	16	V	0.1	1.7	2.95	126
180970073	2012	6	15	17	V	0.05	1.1	3.76	144
180970073	2012	6	15	18	V	0.03	0.6	3.39	142
180970073	2012	6	15	19	V	0.04	0.4	3.9	130
180970073	2012	6	15	20	V	0.04	0.9	3.73	130
180970073	2012	6	15	21	V	0.04	1.7	3.29	137
180970073	2012	6	15	22	V	0.04	1.3	3.39	149
180970073	2012	6	15	23	V	0.04	0.7	2.88	131
180970073	2012	6	15	24	V	0.03	0.4	3.56	145
180970073	2012	6	16	1	V	0.03	0.4	3.37	148
180970073	2012	6	16	2	V	0.06	0.1	2.33	167
180970073	2012	6	16	3	V	0.06	0	2.27	150
180970073	2012	6	16	4	V	0.05	0	2.56	167
180970073	2012	6	16	5	V	0.8	0	1.64	169
180970073	2012	6	16	6	V	0.3	0	2.95	123
180970073	2012	6	16	7	V	0.2	0	3.34	123
180970073	2012	6	16	8	V	0.3	0	2.96	151
180970073	2012	6	16	9	V	0.4	10.8	2.84	196
180970073	2012	6	16	10	V	0.4	11	2.71	190
180970073	2012	6	16	11	V	0.8	10.7	3.59	210
180970073	2012	6	16	12	V	0.4	2.3	4.92	210
180970073	2012	6	16	13	V	0.4	0	5.31	212
180970073	2012	6	16	14	V	1.3	0	5.9	223
180970073	2012	6	16	15	V	0.1	0	5.8	211
180970073	2012	6	16	16	V	0.03	0	6.35	207
180970073	2012	6	16	17	V	0.2	0	6.02	216
180970073	2012	6	16	18	V	0.9	0	6.57	223
180970073	2012	6	16	19	V	0.04	0	6.43	196
180970073	2012	6	16	20	V	0.04	0	5.58	171
180970073	2012	6	16	21	V	0.05	0	4.88	153
180970073	2012	6	16	22	V	0.04	0	5.16	150
180970073	2012	6	16	23	V	0.04	-999	4.51	172
180970073	2012	6	16	24	V	0.04	0.8	5.39	180
180970073	2012	6	17	1	V	0.04	0.8	5.73	203
180970073	2012	6	17	2	V	0.04	0.2	5.56	206
180970073	2012	6	17	3	V	0.1	0	5.85	216
180970073	2012	6	17	4	V	0.1	0	4.24	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	17	5	V	0.6	0	1.65	335
180970073	2012	6	17	6	V	8.4	0.2	1.84	221
180970073	2012	6	17	7	V	16.9	0.4	3.23	236
180970073	2012	6	17	8	V	16.6	7.5	5.05	234
180970073	2012	6	17	9	V	8.9	15.2	6.86	231
180970073	2012	6	17	10	V	7.2	12.7	7.18	236
180970073	2012	6	17	11	V	2.7	2.3	6.67	244
180970073	2012	6	17	12	V	0.9	1.2	5.31	260
180970073	2012	6	17	13	V	0.4	0.9	4.92	268
180970073	2012	6	17	14	V	1.0	0.3	4.78	259
180970073	2012	6	17	15	V	5.0	0	5.26	239
180970073	2012	6	17	16	V	1.5	0.6	5.92	250
180970073	2012	6	17	17	V	2.2	0.9	6.04	242
180970073	2012	6	17	18	V	6.8	2.3	6.09	235
180970073	2012	6	17	19	V	14.7	4.4	6.3	228
180970073	2012	6	17	20	V	0.04	0.5	4.99	215
180970073	2012	6	17	21	V	0.04	0	4.15	206
180970073	2012	6	17	22	V	0.04	0	4.56	200
180970073	2012	6	17	23	V	0.04	0	3.8	192
180970073	2012	6	17	24	V	0.03	0	3.86	186
180970073	2012	6	18	1	V	0.03	0	3.69	194
180970073	2012	6	18	2	V	0.03	0	4.02	208
180970073	2012	6	18	3	V	0.03	0	3.35	211
180970073	2012	6	18	4	V	0.02	0	3.71	213
180970073	2012	6	18	5	V	2.3	0	4.32	221
180970073	2012	6	18	6	V	0.09	0.1	4.34	211
180970073	2012	6	18	7	V	0.4	0.4	4.66	214
180970073	2012	6	18	8	V	2.7	3.2	6.6	223
180970073	2012	6	18	9	V	3.2	8.7	8.08	226
180970073	2012	6	18	10	V	0.9	2.8	8.78	221
180970073	2012	6	18	11	V	1.5	1.3	8.03	223
180970073	2012	6	18	12	V	0.7	0.2	7.72	219
180970073	2012	6	18	13	V	0.04	0	7.98	209
180970073	2012	6	18	14	V	0.02	0	8.47	209
180970073	2012	6	18	15	V	0.01	0	9	210
180970073	2012	6	18	16	V	0.1	0	9.12	216
180970073	2012	6	18	17	V	0.01	0	9.71	212
180970073	2012	6	18	18	V	0.01	0	9.27	209
180970073	2012	6	18	19	V	0.04	0	9.1	200
180970073	2012	6	18	20	V	0.03	0	8.32	203
180970073	2012	6	18	21	V	0.04	0	5.84	186
180970073	2012	6	18	22	V	0.04	0	5.58	182
180970073	2012	6	18	23	V	0.04	0.2	4.53	185
180970073	2012	6	18	24	V	0.04	0.1	3.85	188
180970073	2012	6	19	1	V	0.03	0	3.61	191
180970073	2012	6	19	2	V	0.03	0	3.95	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	19	3	V	0.03	0	4.02	198
180970073	2012	6	19	4	V	0.03	0	4.19	198
180970073	2012	6	19	5	V	0.3	0	2.96	188
180970073	2012	6	19	6	V	0.3	0	3.3	177
180970073	2012	6	19	7	V	0.2	0.2	3.69	187
180970073	2012	6	19	8	V	0.2	0.6	5.7	212
180970073	2012	6	19	9	V	4.6	15.7	6.89	227
180970073	2012	6	19	10	V	3.1	17.5	8.1	228
180970073	2012	6	19	11	V	3.2	2.3	8.23	234
180970073	2012	6	19	12	V	2.4	3.6	7.16	227
180970073	2012	6	19	13	V	0.07	3.1	6.6	208
180970073	2012	6	19	14	V	0.02	0	6.77	198
180970073	2012	6	19	15	V	0.01	0	7.76	192
180970073	2012	6	19	16	V	0.01	0	7.4	193
180970073	2012	6	19	17	V	0.01	0	7.98	192
180970073	2012	6	19	18	V	0.01	0	7.91	193
180970073	2012	6	19	19	V	0.04	0	7.45	185
180970073	2012	6	19	20	V	0.04	0	5.95	183
180970073	2012	6	19	21	V	0.04	0	4.15	170
180970073	2012	6	19	22	V	0.04	0	4.73	168
180970073	2012	6	19	23	V	0.04	0	5.02	169
180970073	2012	6	19	24	V	0.04	0	5.04	174
180970073	2012	6	20	1	V	0.03	0	4.85	176
180970073	2012	6	20	2	V	0.03	0	4.9	177
180970073	2012	6	20	3	V	0.04	0	4.41	175
180970073	2012	6	20	4	V	0.03	0	3.88	190
180970073	2012	6	20	5	V	0.3	0	2.55	190
180970073	2012	6	20	6	V	0.6	0	2.5	165
180970073	2012	6	20	7	V	0.4	0	2.83	176
180970073	2012	6	20	8	V	0.2	0.7	3.44	189
180970073	2012	6	20	9	V	0.2	2	4.97	208
180970073	2012	6	20	10	V	0.3	0	5.67	211
180970073	2012	6	20	11	V	0.9	2.3	6.8	219
180970073	2012	6	20	12	V	0.7	1.2	7.06	218
180970073	2012	6	20	13	V	0.5	0.1	6.29	215
180970073	2012	6	20	14	V	0.09	0	6.6	209
180970073	2012	6	20	15	V	0.09	0	7.13	211
180970073	2012	6	20	16	V	0.4	0	7.03	217
180970073	2012	6	20	17	V	0.01	0	6.55	197
180970073	2012	6	20	18	V	0.01	0	7.08	196
180970073	2012	6	20	19	V	0.04	0	6.57	190
180970073	2012	6	20	20	V	0.04	0	5.68	181
180970073	2012	6	20	21	V	0.04	0	4.48	177
180970073	2012	6	20	22	V	0.04	0	4.66	178
180970073	2012	6	20	23	V	0.04	0	4.78	176
180970073	2012	6	20	24	V	0.04	0	5.33	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	21	1	V	0.03	0	4.82	187
180970073	2012	6	21	2	V	0.04	0	3.05	220
180970073	2012	6	21	3	V	0.04	0	3.06	213
180970073	2012	6	21	4	V	0.04	0.8	3.78	202
180970073	2012	6	21	5	V	0.2	1.5	3.63	195
180970073	2012	6	21	6	V	0.2	1.7	3.76	205
180970073	2012	6	21	7	V	0.2	3.9	4.46	210
180970073	2012	6	21	8	V	4.1	16.9	5.56	223
180970073	2012	6	21	9	V	5.5	14.2	6.36	230
180970073	2012	6	21	10	V	3.7	4	7.06	233
180970073	2012	6	21	11	V	2.5	1.6	8.66	229
180970073	2012	6	21	12	V	2.5	3.9	8.01	233
180970073	2012	6	21	13	V	2.3	2.8	7.01	228
180970073	2012	6	21	14	V	2.1	2.9	7.14	229
180970073	2012	6	21	15	V	2.7	1.9	7.52	229
180970073	2012	6	21	16	V	0.06	0.3	7.37	212
180970073	2012	6	21	17	V	3.5	0.3	8.59	229
180970073	2012	6	21	18	V	0.05	0.2	7.89	307
180970073	2012	6	21	19	V	0.05	0	4.83	316
180970073	2012	6	21	20	V	0.04	0	3.74	304
180970073	2012	6	21	21	V	0.05	0	4.14	299
180970073	2012	6	21	22	V	0.04	0	4.03	307
180970073	2012	6	21	23	V	0.05	0	3.39	330
180970073	2012	6	21	24	V	0.04	0	2.74	340
180970073	2012	6	22	1	V	0.1	0	1.96	305
180970073	2012	6	22	2	V	0.05	0	2.2	313
180970073	2012	6	22	3	V	0.06	0	2.01	308
180970073	2012	6	22	4	V	0.07	0	1.87	303
180970073	2012	6	22	5	V	0.3	0	1.62	290
180970073	2012	6	22	6	V	1.3	0	1.59	273
180970073	2012	6	22	7	V	3.9	0	1.79	260
180970073	2012	6	22	8	V	0.3	0	2.76	322
180970073	2012	6	22	9	V	0.5	0	2.2	351
180970073	2012	6	22	10	V	0.5	0	2.28	349
180970073	2012	6	22	11	V	0.3	0	2.78	328
180970073	2012	6	22	12	V	0.3	0	3.39	277
180970073	2012	6	22	13	V	0.1	0	3.73	295
180970073	2012	6	22	14	V	0.06	0	4.66	308
180970073	2012	6	22	15	V	0.04	0	4.92	328
180970073	2012	6	22	16	V	0.03	0	5.39	321
180970073	2012	6	22	17	V	0.02	0	5.19	320
180970073	2012	6	22	18	V	0.01	0	5.28	321
180970073	2012	6	22	19	V	0.03	0	5.11	324
180970073	2012	6	22	20	V	0.03	0	5.94	329
180970073	2012	6	22	21	V	0.04	0.5	3.91	333
180970073	2012	6	22	22	V	0.03	0.1	3.8	339

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	22	23	V	0.03	0	3.59	337
180970073	2012	6	22	24	V	0.05	-999	2.71	353
180970073	2012	6	23	1	V	0.1	0	1.76	9
180970073	2012	6	23	2	V	0.2	0	1.45	319
180970073	2012	6	23	3	V	0.1	0	1.67	359
180970073	2012	6	23	4	V	0.09	0	1.74	354
180970073	2012	6	23	5	V	0.3	0	2.08	23
180970073	2012	6	23	6	V	0.8	0	1.48	360
180970073	2012	6	23	7	V	0.2	0	2.79	37
180970073	2012	6	23	8	V	0.2	0	2.72	36
180970073	2012	6	23	9	V	1.1	0	1.6	37
180970073	2012	6	23	10	V	0.5	0	2.25	44
180970073	2012	6	23	11	V	0.1	0	3.22	22
180970073	2012	6	23	12	V	0.2	0	2.59	17
180970073	2012	6	23	13	V	0.3	0	2.06	359
180970073	2012	6	23	14	V	0.2	0	2.49	334
180970073	2012	6	23	15	V	0.1	0	2.89	358
180970073	2012	6	23	16	V	0.2	0	2.44	22
180970073	2012	6	23	17	V	0.09	0	2.69	87
180970073	2012	6	23	18	V	0.03	0	2.56	93
180970073	2012	6	23	19	V	0.05	0	3.46	121
180970073	2012	6	23	20	V	0.06	0	2.22	125
180970073	2012	6	23	21	V	0.05	0	2.45	93
180970073	2012	6	23	22	V	0.05	0	3.49	26
180970073	2012	6	23	23	V	0.05	-999	3.25	50
180970073	2012	6	23	24	V	0.05	0	2.42	48
180970073	2012	6	24	1	V	0.04	0	3.32	40
180970073	2012	6	24	2	V	0.04	0	2.4	67
180970073	2012	6	24	3	V	0.04	0	2.37	88
180970073	2012	6	24	4	V	0.2	0	1.26	63
180970073	2012	6	24	5	V	1.6	0	0.91	69
180970073	2012	6	24	6	V	0.4	0	2.01	110
180970073	2012	6	24	7	V	0.9	0	1.65	115
180970073	2012	6	24	8	V	0.2	0	3.35	141
180970073	2012	6	24	9	V	0.09	6.7	3.97	169
180970073	2012	6	24	10	V	0.2	2.5	3	195
180970073	2012	6	24	11	V	3.4	3.7	2.84	223
180970073	2012	6	24	12	V	0.3	19.5	2.76	277
180970073	2012	6	24	13	V	0.3	8.5	3.39	273
180970073	2012	6	24	14	V	0.3	0.6	4.09	269
180970073	2012	6	24	15	V	0.3	0.1	2.81	272
180970073	2012	6	24	16	V	0.08	0	3.39	279
180970073	2012	6	24	17	V	0.1	0	2.39	348
180970073	2012	6	24	18	V	0.04	0	2.91	307
180970073	2012	6	24	19	V	0.04	0	3.34	288
180970073	2012	6	24	20	V	0.04	0.5	2.86	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	24	21	V	0.04	0.4	2.91	278
180970073	2012	6	24	22	V	0.07	0.2	2.23	285
180970073	2012	6	24	23	V	0.06	0	2.25	318
180970073	2012	6	24	24	V	0.05	0	2.44	324
180970073	2012	6	25	1	V	0.07	0	2.04	290
180970073	2012	6	25	2	V	1.5	0	2.01	260
180970073	2012	6	25	3	V	0.05	0	2.45	305
180970073	2012	6	25	4	V	0.05	0.1	3.68	358
180970073	2012	6	25	5	V	0.04	0	5.19	22
180970073	2012	6	25	6	V	0.03	0	5.97	26
180970073	2012	6	25	7	V	0.03	0	6.47	26
180970073	2012	6	25	8	V	0.03	0	6.77	34
180970073	2012	6	25	9	V	0.03	0	6.92	31
180970073	2012	6	25	10	V	0.03	0	6.94	24
180970073	2012	6	25	11	V	0.03	0	6.6	32
180970073	2012	6	25	12	V	0.02	0	7.09	25
180970073	2012	6	25	13	V	0.02	0	6.96	34
180970073	2012	6	25	14	V	0.02	0	7.08	29
180970073	2012	6	25	15	V	0.01	0	7.25	22
180970073	2012	6	25	16	V	0.01	0	7.11	20
180970073	2012	6	25	17	V	0.01	0	6.75	19
180970073	2012	6	25	18	V	0.05	0	6.8	21
180970073	2012	6	25	19	V	0.03	0	6.69	18
180970073	2012	6	25	20	V	0.03	0	5.92	35
180970073	2012	6	25	21	V	0.03	0.2	4.61	48
180970073	2012	6	25	22	V	0.03	0	4.37	37
180970073	2012	6	25	23	V	0.03	0	4.24	40
180970073	2012	6	25	24	V	0.03	0	4.29	42
180970073	2012	6	26	1	V	0.03	0	5.36	72
180970073	2012	6	26	2	V	0.02	0	5.14	80
180970073	2012	6	26	3	V	0.02	0	4.78	85
180970073	2012	6	26	4	V	0.02	0	4.9	92
180970073	2012	6	26	5	V	0.09	0	3.66	91
180970073	2012	6	26	6	V	0.4	0	2.44	88
180970073	2012	6	26	7	V	0.3	0	3.27	90
180970073	2012	6	26	8	V	0.07	0	5.02	92
180970073	2012	6	26	9	V	0.05	0	5.51	92
180970073	2012	6	26	10	V	0.04	0	5.99	72
180970073	2012	6	26	11	V	0.03	0	6.28	64
180970073	2012	6	26	12	V	0.08	0	4.58	62
180970073	2012	6	26	13	V	0.08	0	4.29	60
180970073	2012	6	26	14	V	0.07	0	4.41	38
180970073	2012	6	26	15	V	0.08	0	4.15	51
180970073	2012	6	26	16	V	0.07	0	3.98	58
180970073	2012	6	26	17	V	0.04	0	4.1	40
180970073	2012	6	26	18	V	0.02	0	4.02	70

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	26	19	V	0.04	0	4.58	88
180970073	2012	6	26	20	V	0.04	0	4.24	97
180970073	2012	6	26	21	V	0.04	0	3.61	96
180970073	2012	6	26	22	V	0.03	0	3.29	91
180970073	2012	6	26	23	V	0.05	0	2.67	90
180970073	2012	6	26	24	V	0.06	0	2.42	94
180970073	2012	6	27	1	V	0.05	0	2.55	112
180970073	2012	6	27	2	V	0.06	0	2.01	124
180970073	2012	6	27	3	V	0.07	0	1.94	134
180970073	2012	6	27	4	V	0.03	0	2.88	143
180970073	2012	6	27	5	V	0.2	0	2.33	152
180970073	2012	6	27	6	V	1.2	0	1.42	176
180970073	2012	6	27	7	V	0.4	0.8	2.72	159
180970073	2012	6	27	8	V	0.1	1.2	4.2	169
180970073	2012	6	27	9	V	0.2	0.1	3.86	180
180970073	2012	6	27	10	V	0.1	0.5	4.53	176
180970073	2012	6	27	11	V	0.1	0.7	4.09	176
180970073	2012	6	27	12	V	0.09	0	4.58	177
180970073	2012	6	27	13	V	0.08	0	4.49	193
180970073	2012	6	27	14	V	0.06	0	4.97	196
180970073	2012	6	27	15	V	0.06	0	4.53	188
180970073	2012	6	27	16	V	0.3	0	4.76	211
180970073	2012	6	27	17	V	0.03	0	5.19	203
180970073	2012	6	27	18	V	0.01	0	5.14	206
180970073	2012	6	27	19	V	0.03	0	6.21	210
180970073	2012	6	27	20	V	0.04	0.1	5.12	213
180970073	2012	6	27	21	V	0.04	0	3.74	188
180970073	2012	6	27	22	V	0.04	0	3.37	180
180970073	2012	6	27	23	V	0.04	0	3.47	184
180970073	2012	6	27	24	V	0.04	0.1	3.69	178
180970073	2012	6	28	1	V	0.03	0.5	3.13	166
180970073	2012	6	28	2	V	0.03	1.7	3.2	178
180970073	2012	6	28	3	V	0.03	3.8	3.27	195
180970073	2012	6	28	4	V	0.03	5	4.32	213
180970073	2012	6	28	5	V	1.5	10.4	3.98	219
180970073	2012	6	28	6	V	10.2	39.4	6.14	235
180970073	2012	6	28	7	V	12.9	21.7	5.09	237
180970073	2012	6	28	8	V	2.9	5.2	6.52	244
180970073	2012	6	28	9	V	1.6	7.3	7.14	248
180970073	2012	6	28	10	V	1.4	6.8	6.52	255
180970073	2012	6	28	11	V	0.9	4	5.45	262
180970073	2012	6	28	12	V	1.5	1.1	5.77	254
180970073	2012	6	28	13	V	1.8	1.1	6.58	249
180970073	2012	6	28	14	V	1.3	1	7.79	250
180970073	2012	6	28	15	V	4.1	4.8	8.32	238
180970073	2012	6	28	16	V	5.2	4	8.32	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	28	17	V	5.2	1	8.4	234
180970073	2012	6	28	18	V	4.0	1.3	9.17	237
180970073	2012	6	28	19	V	7.5	1.2	8.71	241
180970073	2012	6	28	20	V	6.0	1.8	6.86	252
180970073	2012	6	28	21	V	0.04	0	4.87	277
180970073	2012	6	28	22	V	0.04	0	3.85	283
180970073	2012	6	28	23	V	0.04	0	3.69	293
180970073	2012	6	28	24	V	7.8	0	3.88	253
180970073	2012	6	29	1	V	2.3	0	3.61	244
180970073	2012	6	29	2	V	1.9	1.4	3.29	244
180970073	2012	6	29	3	V	3.5	2	3.12	240
180970073	2012	6	29	4	V	5.1	1.5	2.59	256
180970073	2012	6	29	5	V	2.9	0.5	2.23	264
180970073	2012	6	29	6	V	5.9	0.2	2.67	258
180970073	2012	6	29	7	V	9.5	0.8	2.37	250
180970073	2012	6	29	8	V	11.5	0.2	3.25	239
180970073	2012	6	29	9	V	0.9	0	1.93	289
180970073	2012	6	29	10	V	1.1	0	1.67	247
180970073	2012	6	29	11	V	2.5	0	2.74	241
180970073	2012	6	29	12	V	0.4	0	3.59	272
180970073	2012	6	29	13	V	0.5	0	5.21	262
180970073	2012	6	29	14	V	0.4	0	6.41	262
180970073	2012	6	29	15	V	0.3	0	7.45	263
180970073	2012	6	29	16	V	0.01	0	9.49	5
180970073	2012	6	29	17	V	0.08	0	2.67	9
180970073	2012	6	29	18	V	0.3	0	1.2	199
180970073	2012	6	29	19	V	29.3	0	0.8	232
180970073	2012	6	29	20	V	0.1	0	1.74	194
180970073	2012	6	29	21	V	0.06	0	2.3	88
180970073	2012	6	29	22	V	0.05	0	2.78	58
180970073	2012	6	29	23	V	0.04	0	3.07	115
180970073	2012	6	29	24	V	0.04	0	3.12	116
180970073	2012	6	30	1	V	0.03	0	3.18	125
180970073	2012	6	30	2	V	0.02	0	3.2	136
180970073	2012	6	30	3	V	0.04	0	2.64	133
180970073	2012	6	30	4	V	0.03	0	8.17	6
180970073	2012	6	30	5	V	0.01	0	6.99	41
180970073	2012	6	30	6	V	0.06	0	4.65	65
180970073	2012	6	30	7	V	0.2	0	3.9	111
180970073	2012	6	30	8	V	0.1	0	3.98	130
180970073	2012	6	30	9	V	0.5	0	2.71	137
180970073	2012	6	30	10	V	0.6	0	2.59	124
180970073	2012	6	30	11	V	0.4	0	2.72	167
180970073	2012	6	30	12	V	0.7	0	2.03	176
180970073	2012	6	30	13	V	0.2	0.9	3.12	286
180970073	2012	6	30	14	V	0.06	0.7	4.56	311

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	6	30	15	V	0.05	0	3.93	289
180970073	2012	6	30	16	V	0.01	0	6.4	306
180970073	2012	6	30	17	V	0.02	0	4.27	334
180970073	2012	6	30	18	V	2.9	0	2.2	223
180970073	2012	6	30	19	V	0.05	0	4.61	350
180970073	2012	6	30	20	V	0.05	0	3.69	360
180970073	2012	6	30	21	V	0.05	0	4.17	348
180970073	2012	6	30	22	V	0.07	0	1.99	1
180970073	2012	6	30	23	V	0.3	-999	1.09	346
180970073	2012	6	30	24	V	0.07	0	2.06	49
180970073	2012	7	1	1	V	0.08	0	2.03	126
180970073	2012	7	1	2	V	0.1	0	1.72	181
180970073	2012	7	1	3	V	0.6	0	0.94	3
180970073	2012	7	1	4	V	0.1	0	2.16	221
180970073	2012	7	1	5	V	0.2	0	2.88	175
180970073	2012	7	1	6	V	0.2	0	2.78	81
180970073	2012	7	1	7	V	0.3	0	2.96	100
180970073	2012	7	1	8	V	0.3	0	2.84	134
180970073	2012	7	1	9	V	0.3	0	2.61	169
180970073	2012	7	1	10	V	0.3	0	2.33	160
180970073	2012	7	1	11	V	0.5	0	1.54	159
180970073	2012	7	1	12	V	0.3	1.9	1.84	180
180970073	2012	7	1	13	V	0.2	3.7	3	189
180970073	2012	7	1	14	V	0.5	0	2.37	203
180970073	2012	7	1	15	V	1.0	0	1.81	268
180970073	2012	7	1	16	V	0.03	0.7	4.2	343
180970073	2012	7	1	17	V	0.01	0	9.85	16
180970073	2012	7	1	18	V	0.01	0	6.38	38
180970073	2012	7	1	19	V	0.04	0	3.69	73
180970073	2012	7	1	20	V	0.05	0	3.93	123
180970073	2012	7	1	21	V	0.05	0	3.83	171
180970073	2012	7	1	22	V	0.6	0	0.89	205
180970073	2012	7	1	23	V	0.6	0	0.82	29
180970073	2012	7	1	24	V	40.5	0	1.16	230
180970073	2012	7	2	1	V	0.5	0	1.08	318
180970073	2012	7	2	2	V	0.1	0	1.53	158
180970073	2012	7	2	3	V	0.2	0	1.4	34
180970073	2012	7	2	4	V	0.06	0	2.01	79
180970073	2012	7	2	5	V	0.3	0	2.33	157
180970073	2012	7	2	6	V	0.5	0	2.35	149
180970073	2012	7	2	7	V	0.5	0	2.38	150
180970073	2012	7	2	8	V	0.4	0	2.3	177
180970073	2012	7	2	9	V	0.4	0	2.22	189
180970073	2012	7	2	10	V	0.6	0.4	2.06	190
180970073	2012	7	2	11	V	0.3	0.4	2.57	183
180970073	2012	7	2	12	V	0.4	0.7	2.32	176

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	2	13	V	0.5	0.5	2.32	197
180970073	2012	7	2	14	V	0.1	3	3.05	289
180970073	2012	7	2	15	V	0.3	1	2.88	276
180970073	2012	7	2	16	V	0.2	0	2.64	288
180970073	2012	7	2	17	V	0.05	0	3.64	310
180970073	2012	7	2	18	V	0.1	0	1.76	347
180970073	2012	7	2	19	V	0.04	0	3.32	339
180970073	2012	7	2	20	V	0.05	0	3.59	1
180970073	2012	7	2	21	V	0.05	0	2.52	357
180970073	2012	7	2	22	V	0.05	0	3.71	294
180970073	2012	7	2	23	V	0.04	0	3.86	307
180970073	2012	7	2	24	V	0.2	0	1.37	296
180970073	2012	7	3	1	V	4.4	0	5.05	246
180970073	2012	7	3	2	V	7.4	2.2	4.68	252
180970073	2012	7	3	3	V	8.8	0.8	3.75	251
180970073	2012	7	3	4	V	6.6	1.1	2.83	255
180970073	2012	7	3	5	V	14.8	6.8	1.79	247
180970073	2012	7	3	6	V	0.9	6.2	1.81	177
180970073	2012	7	3	7	V	0.5	5.1	3.01	189
180970073	2012	7	3	8	V	6.1	8.6	4.09	222
180970073	2012	7	3	9	V	5.7	38.1	4.75	233
180970073	2012	7	3	10	V	4.4	6.1	5.04	236
180970073	2012	7	3	11	V	1.4	2.4	3.78	254
180970073	2012	7	3	12	V	0.4	1.2	2.42	290
180970073	2012	7	3	13	V	0.3	6	2.69	186
180970073	2012	7	3	14	V	1.3	1.9	3.88	219
180970073	2012	7	3	15	V	1.4	1.3	4	222
180970073	2012	7	3	16	V	0.5	5.5	5.26	260
180970073	2012	7	3	17	V	2.1	4.5	4.87	243
180970073	2012	7	3	18	V	1.5	0	5.28	247
180970073	2012	7	3	19	V	4.0	0	5.38	243
180970073	2012	7	3	20	V	7.4	0	4.87	251
180970073	2012	7	3	21	V	12.3	0	2.89	238
180970073	2012	7	3	22	V	2.8	0	1.99	243
180970073	2012	7	3	23	V	0.06	0.2	2.68	220
180970073	2012	7	3	24	V	0.2	0.4	3.86	221
180970073	2012	7	4	1	V	4.2	1.5	2.36	246
180970073	2012	7	4	2	V	26.4	2.5	3.86	233
180970073	2012	7	4	3	V	19.8	3.1	4.86	234
180970073	2012	7	4	4	V	2.5	7.1	4.36	242
180970073	2012	7	4	5	V	18.4	7.9	3.36	237
180970073	2012	7	4	6	V	10.8	3.3	2.86	246
180970073	2012	7	4	7	V	20.1	4.7	2.86	233
180970073	2012	7	4	8	M	-999	2.1	1.76	999
180970073	2012	7	4	9	V	1.0	0	2.11	260
180970073	2012	7	4	10	V	0.9	0	2.69	261

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	4	11	V	0.5	0	3.37	267
180970073	2012	7	4	12	V	1.1	0	3.59	254
180970073	2012	7	4	13	V	0.3	0	4.17	271
180970073	2012	7	4	14	V	0.3	0	4.07	268
180970073	2012	7	4	15	V	0.07	0	4.42	284
180970073	2012	7	4	16	V	0.03	0	4.75	293
180970073	2012	7	4	17	V	0.03	0	4.51	310
180970073	2012	7	4	18	V	0.02	0	4.83	295
180970073	2012	7	4	19	V	0.04	0	4.76	306
180970073	2012	7	4	20	V	0.03	0	4.05	302
180970073	2012	7	4	21	V	0.05	0	2.84	309
180970073	2012	7	4	22	V	0.1	0	1.82	301
180970073	2012	7	4	23	V	0.08	0	2.11	297
180970073	2012	7	4	24	V	0.1	0	1.76	272
180970073	2012	7	5	1	V	24.5	0	1.91	237
180970073	2012	7	5	2	V	0.04	0	2.95	204
180970073	2012	7	5	3	V	0.07	0	2.5	220
180970073	2012	7	5	4	V	3.2	0	1.86	244
180970073	2012	7	5	5	V	10.3	0	2.21	222
180970073	2012	7	5	6	V	4.5	0.5	2.66	260
180970073	2012	7	5	7	V	3.7	0.7	2.64	256
180970073	2012	7	5	8	V	1.7	0.8	3.18	256
180970073	2012	7	5	9	V	0.2	0.4	3.59	277
180970073	2012	7	5	10	V	0.2	0	2.83	293
180970073	2012	7	5	11	V	0.1	0	3.95	281
180970073	2012	7	5	12	V	0.04	0	4.46	297
180970073	2012	7	5	13	V	0.05	0	4.22	298
180970073	2012	7	5	14	V	0.04	0	4.2	301
180970073	2012	7	5	15	V	0.02	0	5.29	300
180970073	2012	7	5	16	V	0.02	0	5.33	290
180970073	2012	7	5	17	V	0.02	0	5.14	302
180970073	2012	7	5	18	V	0.01	0	5.29	335
180970073	2012	7	5	19	V	0.04	0	5.85	323
180970073	2012	7	5	20	V	0.04	0	4.02	320
180970073	2012	7	5	21	V	0.05	0	2.76	336
180970073	2012	7	5	22	V	0.1	0	1.82	335
180970073	2012	7	5	23	V	1.3	0	0.7	306
180970073	2012	7	5	24	V	0.1	0	1.79	282
180970073	2012	7	6	1	V	0.1	0	1.87	282
180970073	2012	7	6	2	V	1.0	0	0.82	272
180970073	2012	7	6	3	V	0.5	0	0.99	155
180970073	2012	7	6	4	V	0.08	0	1.96	356
180970073	2012	7	6	5	V	0.6	0	1.67	134
180970073	2012	7	6	6	V	12.5	0	2.03	250
180970073	2012	7	6	7	V	2.5	0	1.71	268
180970073	2012	7	6	8	V	1.5	0.2	0.99	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	6	9	V	1.1	0	1.21	339
180970073	2012	7	6	10	V	0.9	0	1.3	315
180970073	2012	7	6	11	V	0.5	0	2.21	286
180970073	2012	7	6	12	V	0.4	0	2.56	276
180970073	2012	7	6	13	V	0.2	0	3.05	282
180970073	2012	7	6	14	V	0.1	0	3.47	303
180970073	2012	7	6	15	V	0.06	0	3.93	336
180970073	2012	7	6	16	V	0.05	0	3.86	300
180970073	2012	7	6	17	V	0.03	0	4.22	315
180970073	2012	7	6	18	V	0.03	0	3.64	336
180970073	2012	7	6	19	V	0.04	0	3.17	304
180970073	2012	7	6	20	V	0.04	0	4.36	327
180970073	2012	7	6	21	V	0.04	0	3.17	340
180970073	2012	7	6	22	V	0.06	0	2.49	1
180970073	2012	7	6	23	V	0.07	-999	2.08	334
180970073	2012	7	6	24	V	0.2	-999	1.55	141
180970073	2012	7	7	1	V	18.7	0	0.58	230
180970073	2012	7	7	2	V	0.4	0	1.11	272
180970073	2012	7	7	3	V	34.3	0	1.67	233
180970073	2012	7	7	4	V	0.1	0	1.69	294
180970073	2012	7	7	5	V	0.7	0	1.67	300
180970073	2012	7	7	6	V	3.0	0	0.89	302
180970073	2012	7	7	7	V	3.6	0	0.94	317
180970073	2012	7	7	8	V	2.1	0	0.52	9
180970073	2012	7	7	9	V	1.1	0	0.84	360
180970073	2012	7	7	10	V	0.6	0	1.98	269
180970073	2012	7	7	11	V	0.2	0	3.15	283
180970073	2012	7	7	12	V	0.2	0	4.29	273
180970073	2012	7	7	13	V	0.09	0	4.14	282
180970073	2012	7	7	14	V	0.04	0	4.8	329
180970073	2012	7	7	15	V	0.03	0	4.43	339
180970073	2012	7	7	16	V	0.03	0	4.49	325
180970073	2012	7	7	17	V	0.02	0	5.14	319
180970073	2012	7	7	18	V	0.02	0	4.37	316
180970073	2012	7	7	19	V	0.04	0	4.42	340
180970073	2012	7	7	20	V	0.05	0	4.26	347
180970073	2012	7	7	21	V	0.05	0	3.54	35
180970073	2012	7	7	22	V	0.07	0	2.11	130
180970073	2012	7	7	23	V	1.3	-999	0.67	274
180970073	2012	7	7	24	V	5.9	0	1.45	244
180970073	2012	7	8	1	V	11.4	0	3.01	238
180970073	2012	7	8	2	V	0.03	3.4	2.86	313
180970073	2012	7	8	3	V	0.04	0.3	3.85	353
180970073	2012	7	8	4	V	0.04	0	3.22	1
180970073	2012	7	8	5	V	0.3	0	3.13	1
180970073	2012	7	8	6	V	0.1	0	4.2	24

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	8	7	V	0.3	0	3.56	26
180970073	2012	7	8	8	V	0.3	0	3.27	29
180970073	2012	7	8	9	V	0.4	0	2.57	34
180970073	2012	7	8	10	V	0.3	0	2.88	36
180970073	2012	7	8	11	V	0.07	0	5.12	24
180970073	2012	7	8	12	V	0.08	0	4.48	36
180970073	2012	7	8	13	V	0.04	0	5.48	19
180970073	2012	7	8	14	V	0.02	0	6.97	18
180970073	2012	7	8	15	V	0.01	0	7.79	360
180970073	2012	7	8	16	V	0.03	0	5.39	9
180970073	2012	7	8	17	V	0.04	0	4.1	14
180970073	2012	7	8	18	V	0.02	0	4.27	5
180970073	2012	7	8	19	V	0.04	0	5.04	17
180970073	2012	7	8	20	V	0.04	0.3	4.41	29
180970073	2012	7	8	21	V	0.04	0.2	3.27	11
180970073	2012	7	8	22	V	0.05	0	2.4	325
180970073	2012	7	8	23	V	0.05	0	3.01	334
180970073	2012	7	8	24	V	0.04	0	2.62	346
180970073	2012	7	9	1	V	0.04	0	2.86	357
180970073	2012	7	9	2	V	0.05	0	2.49	354
180970073	2012	7	9	3	V	0.04	0	2.91	10
180970073	2012	7	9	4	V	0.04	0	3.76	32
180970073	2012	7	9	5	V	0.1	0	3.86	27
180970073	2012	7	9	6	V	0.1	0	4.03	32
180970073	2012	7	9	7	V	0.2	0	3.73	44
180970073	2012	7	9	8	V	0.1	0	3.81	51
180970073	2012	7	9	9	V	0.08	0	4.6	77
180970073	2012	7	9	10	V	0.08	0	4.65	97
180970073	2012	7	9	11	V	0.09	0	4.34	99
180970073	2012	7	9	12	V	0.08	0	4.19	120
180970073	2012	7	9	13	V	0.1	0	3.74	64
180970073	2012	7	9	14	V	0.1	0	3.18	86
180970073	2012	7	9	15	V	0.09	0	3.13	99
180970073	2012	7	9	16	V	0.1	0	3.2	68
180970073	2012	7	9	17	V	0.04	0	4.07	43
180970073	2012	7	9	18	V	0.03	0	3.24	68
180970073	2012	7	9	19	V	0.04	0	3.22	72
180970073	2012	7	9	20	V	0.04	0	3.64	32
180970073	2012	7	9	21	V	0.04	0	3.61	9
180970073	2012	7	9	22	V	0.04	0.6	3.54	11
180970073	2012	7	9	23	V	0.06	0	2.49	35
180970073	2012	7	9	24	V	0.06	0	2.39	38
180970073	2012	7	10	1	V	0.05	0	2.76	23
180970073	2012	7	10	2	V	0.03	0	3.54	32
180970073	2012	7	10	3	V	0.03	0	3.74	27
180970073	2012	7	10	4	V	0.03	0	3.05	53

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	10	5	V	0.1	0	3.05	43
180970073	2012	7	10	6	V	0.2	0	3.52	30
180970073	2012	7	10	7	V	0.2	0.1	3.68	22
180970073	2012	7	10	8	V	0.08	0.6	4.49	34
180970073	2012	7	10	9	V	0.09	0.3	4.03	40
180970073	2012	7	10	10	V	0.04	0	5.41	49
180970073	2012	7	10	11	V	0.04	0	5.16	61
180970073	2012	7	10	12	V	0.05	0	4.78	44
180970073	2012	7	10	13	V	0.06	0	4.25	41
180970073	2012	7	10	14	V	0.05	0	4.22	61
180970073	2012	7	10	15	V	0.08	0	3.54	38
180970073	2012	7	10	16	V	0.05	0	3.98	26
180970073	2012	7	10	17	V	0.03	0	4.32	36
180970073	2012	7	10	18	V	0.01	0	5.18	17
180970073	2012	7	10	19	V	0.04	0	5.56	23
180970073	2012	7	10	20	V	0.04	0	5.94	14
180970073	2012	7	10	21	V	0.04	0	4.51	22
180970073	2012	7	10	22	V	0.04	0	3.32	9
180970073	2012	7	10	23	V	0.04	0	4.75	4
180970073	2012	7	10	24	V	0.03	0.1	3.46	24
180970073	2012	7	11	1	V	0.03	0	4.05	72
180970073	2012	7	11	2	V	0.03	0	4.65	77
180970073	2012	7	11	3	V	0.03	0	3.95	73
180970073	2012	7	11	4	V	0.03	0	3.64	75
180970073	2012	7	11	5	V	0.1	0	3.74	75
180970073	2012	7	11	6	V	0.1	0	3.74	67
180970073	2012	7	11	7	V	0.1	0.2	4.37	69
180970073	2012	7	11	8	V	0.08	0.6	5	78
180970073	2012	7	11	9	V	0.07	1.1	5.44	87
180970073	2012	7	11	10	V	0.04	1	5.89	86
180970073	2012	7	11	11	V	0.04	0.7	5.27	97
180970073	2012	7	11	12	V	0.05	0.7	4.6	79
180970073	2012	7	11	13	V	0.07	0.6	4.08	67
180970073	2012	7	11	14	V	0.07	0.3	3.56	90
180970073	2012	7	11	15	V	0.06	0.2	3.63	65
180970073	2012	7	11	16	V	0.07	0	3.63	56
180970073	2012	7	11	17	V	0.03	0	4.46	44
180970073	2012	7	11	18	V	0.02	0	4.22	37
180970073	2012	7	11	19	V	0.04	0	4.71	69
180970073	2012	7	11	20	V	0.04	0	5.44	74
180970073	2012	7	11	21	V	0.04	0	4.92	70
180970073	2012	7	11	22	V	0.04	0	5.43	73
180970073	2012	7	11	23	V	0.04	0	5.63	72
180970073	2012	7	11	24	V	0.03	0	5.04	71
180970073	2012	7	12	1	V	0.02	0	5.38	71
180970073	2012	7	12	2	V	0.03	0	5.5	78

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	12	3	V	0.03	0.3	4.29	88
180970073	2012	7	12	4	V	0.03	0.5	4.27	77
180970073	2012	7	12	5	V	0.05	1.1	4.43	75
180970073	2012	7	12	6	V	0.1	1.4	4	76
180970073	2012	7	12	7	V	0.2	1.6	3.8	81
180970073	2012	7	12	8	V	0.2	2.5	3.61	80
180970073	2012	7	12	9	V	0.2	4.1	3.03	72
180970073	2012	7	12	10	V	0.1	3.9	3.47	61
180970073	2012	7	12	11	V	0.05	1.4	4.46	66
180970073	2012	7	12	12	V	0.06	1.5	4.25	78
180970073	2012	7	12	13	V	0.1	0.8	3.23	85
180970073	2012	7	12	14	V	0.03	0.3	4.78	102
180970073	2012	7	12	15	V	0.03	0.1	4.68	99
180970073	2012	7	12	16	V	0.03	0	4.7	77
180970073	2012	7	12	17	V	0.02	0	4.82	106
180970073	2012	7	12	18	V	0.01	0.8	6.31	128
180970073	2012	7	12	19	V	0.03	0.1	6.74	127
180970073	2012	7	12	20	V	0.04	1.4	5.38	133
180970073	2012	7	12	21	V	0.04	3.7	4.25	146
180970073	2012	7	12	22	V	0.04	1.4	3.64	145
180970073	2012	7	12	23	V	0.04	0.3	4.49	167
180970073	2012	7	12	24	V	0.04	0	3.76	169
180970073	2012	7	13	1	V	0.03	0	3.61	155
180970073	2012	7	13	2	V	0.03	0	3.01	148
180970073	2012	7	13	3	V	0.04	0	2.76	142
180970073	2012	7	13	4	V	0.04	0	2.93	125
180970073	2012	7	13	5	V	0.2	0	2.89	122
180970073	2012	7	13	6	V	0.6	0	2.44	117
180970073	2012	7	13	7	V	0.5	0	2.61	116
180970073	2012	7	13	8	V	0.5	0	2.32	131
180970073	2012	7	13	9	V	0.5	0	2.23	132
180970073	2012	7	13	10	V	0.3	0	2.83	100
180970073	2012	7	13	11	V	0.1	0	3.23	117
180970073	2012	7	13	12	V	0.08	0.6	3.61	111
180970073	2012	7	13	13	V	0.06	0	3.95	117
180970073	2012	7	13	14	V	0.04	0	4.05	146
180970073	2012	7	13	15	V	0.04	0	3.95	148
180970073	2012	7	13	16	V	0.04	0	3.93	148
180970073	2012	7	13	17	V	0.03	0.4	3.8	137
180970073	2012	7	13	18	V	0.02	0.7	4.22	125
180970073	2012	7	13	19	V	0.04	0.3	3.71	137
180970073	2012	7	13	20	V	0.04	1.3	4.03	135
180970073	2012	7	13	21	V	0.04	2.2	3.03	131
180970073	2012	7	13	22	V	0.04	0.8	3.86	155
180970073	2012	7	13	23	V	0.04	0	3.97	149
180970073	2012	7	13	24	V	0.03	0.2	3.95	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	14	1	V	0.03	0.1	3.83	147
180970073	2012	7	14	2	V	0.03	0	3.76	147
180970073	2012	7	14	3	V	0.03	0	3.63	142
180970073	2012	7	14	4	V	0.04	0	2.84	145
180970073	2012	7	14	5	V	0.3	0	2.61	143
180970073	2012	7	14	6	V	0.3	0	3.07	137
180970073	2012	7	14	7	V	0.4	0	3.1	148
180970073	2012	7	14	8	V	0.3	0	2.67	153
180970073	2012	7	14	9	V	0.2	0	3.2	192
180970073	2012	7	14	10	V	0.1	0	3.71	203
180970073	2012	7	14	11	V	0.09	1	4.1	200
180970073	2012	7	14	12	V	0.08	1.1	4.09	187
180970073	2012	7	14	13	V	0.1	0.3	3.27	178
180970073	2012	7	14	14	V	0.08	0	3.64	165
180970073	2012	7	14	15	V	0.04	0	4.46	156
180970073	2012	7	14	16	V	0.03	0	4.36	186
180970073	2012	7	14	17	V	0.02	0	5.6	212
180970073	2012	7	14	18	V	0.01	0	4.99	212
180970073	2012	7	14	19	V	0.05	0	5.33	201
180970073	2012	7	14	20	V	0.05	0	4.9	206
180970073	2012	7	14	21	V	0.05	0	5.19	191
180970073	2012	7	14	22	V	0.04	0	4.93	176
180970073	2012	7	14	23	V	0.04	-999	5.04	189
180970073	2012	7	14	24	V	0.03	0	2.84	196
180970073	2012	7	15	1	V	0.03	0	2.98	180
180970073	2012	7	15	2	V	0.04	0	3.07	184
180970073	2012	7	15	3	V	0.04	0	3.12	172
180970073	2012	7	15	4	V	0.04	0	2.44	192
180970073	2012	7	15	5	V	0.09	0	3.61	199
180970073	2012	7	15	6	V	0.2	0	3.59	207
180970073	2012	7	15	7	V	0.1	0.1	3.95	209
180970073	2012	7	15	8	V	17.9	4.6	4.32	235
180970073	2012	7	15	9	V	2.0	9.6	4.6	259
180970073	2012	7	15	10	V	2.3	2	4	252
180970073	2012	7	15	11	V	1.8	1.2	4.09	251
180970073	2012	7	15	12	V	1.8	2.2	3.71	252
180970073	2012	7	15	13	V	1.1	2	4.31	254
180970073	2012	7	15	14	V	0.8	1.7	4.51	257
180970073	2012	7	15	15	V	2.6	0	5.12	239
180970073	2012	7	15	16	V	3.1	0.3	5.7	235
180970073	2012	7	15	17	V	4.1	0	6.04	232
180970073	2012	7	15	18	V	1.7	0	5.94	252
180970073	2012	7	15	19	V	0.04	0	6.24	285
180970073	2012	7	15	20	V	0.04	0	3.56	311
180970073	2012	7	15	21	V	0.07	0	2.04	284
180970073	2012	7	15	22	V	7.1	0	2.89	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	15	23	V	8.0	0	4.24	226
180970073	2012	7	15	24	V	4.2	0.5	4.46	245
180970073	2012	7	16	1	V	2.1	0.5	4.15	243
180970073	2012	7	16	2	V	0.1	2.6	3.12	222
180970073	2012	7	16	3	V	1.5	6.7	2.62	225
180970073	2012	7	16	4	V	2.0	3.2	3.08	245
180970073	2012	7	16	5	V	9.4	5	2.91	242
180970073	2012	7	16	6	V	9.7	2.6	2.35	251
180970073	2012	7	16	7	V	13.7	3.8	2.96	238
180970073	2012	7	16	8	V	2.9	5.6	3.25	249
180970073	2012	7	16	9	V	1.2	0.2	3.3	260
180970073	2012	7	16	10	V	1.8	0	3.57	251
180970073	2012	7	16	11	V	1.2	3.1	3.88	254
180970073	2012	7	16	12	V	2.0	2.4	4.29	240
180970073	2012	7	16	13	V	1.8	4.1	3.69	235
180970073	2012	7	16	14	V	0.7	3.1	3.39	262
180970073	2012	7	16	15	V	1.5	1.5	3.37	250
180970073	2012	7	16	16	V	2.2	1.6	4.29	242
180970073	2012	7	16	17	V	2.4	2.9	3.78	243
180970073	2012	7	16	18	V	1.6	0.8	5.07	245
180970073	2012	7	16	19	V	4.2	0	5.55	243
180970073	2012	7	16	20	V	4.6	0	4.44	224
180970073	2012	7	16	21	V	26.1	0.2	5.11	235
180970073	2012	7	16	22	V	0.2	0.4	3.76	221
180970073	2012	7	16	23	V	0.04	2.6	3.39	213
180970073	2012	7	16	24	V	0.04	2.8	3.61	219
180970073	2012	7	17	1	V	0.03	11.6	3.15	215
180970073	2012	7	17	2	V	0.03	5.2	3.66	214
180970073	2012	7	17	3	V	0.1	1.7	4.05	221
180970073	2012	7	17	4	V	15.7	6.7	5.22	235
180970073	2012	7	17	5	V	17.8	9	3.61	231
180970073	2012	7	17	6	V	21.3	6.7	2.71	241
180970073	2012	7	17	7	V	5.8	9.3	3.3	218
180970073	2012	7	17	8	V	3.1	10.5	4.34	221
180970073	2012	7	17	9	V	3.0	11.3	3.49	240
180970073	2012	7	17	10	V	2.4	5.9	3.01	230
180970073	2012	7	17	11	V	2.0	3.8	2.98	230
180970073	2012	7	17	12	V	1.9	5.4	3.05	238
180970073	2012	7	17	13	V	1.9	4.2	3.8	235
180970073	2012	7	17	14	V	0.9	4.2	3.76	256
180970073	2012	7	17	15	V	2.4	2.7	3.93	231
180970073	2012	7	17	16	V	1.2	0.8	4.7	250
180970073	2012	7	17	17	V	0.5	0.3	5.8	261
180970073	2012	7	17	18	V	0.01	0	8.17	277
180970073	2012	7	17	19	V	4.9	0	5.09	245
180970073	2012	7	17	20	V	6.7	0	2.4	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	17	21	V	2.8	0	2.64	244
180970073	2012	7	17	22	V	0.04	0	2.91	199
180970073	2012	7	17	23	V	0.04	0	3.03	186
180970073	2012	7	17	24	V	0.05	0	2.66	175
180970073	2012	7	18	1	V	0.04	0	2.96	205
180970073	2012	7	18	2	V	32.3	0	3.2	233
180970073	2012	7	18	3	V	4.6	3.4	3.07	256
180970073	2012	7	18	4	V	7.1	3.9	2.93	248
180970073	2012	7	18	5	V	0.3	3	2.45	207
180970073	2012	7	18	6	V	1.0	6	2.84	209
180970073	2012	7	18	7	V	6.6	5.7	2.45	216
180970073	2012	7	18	8	V	5.2	8.1	2.76	238
180970073	2012	7	18	9	V	1.7	6.1	2.55	229
180970073	2012	7	18	10	V	0.6	5.4	2.01	243
180970073	2012	7	18	11	V	1.2	3.1	2.96	248
180970073	2012	7	18	12	V	1.0	2.7	3.9	254
180970073	2012	7	18	13	V	1.4	0.5	4.7	249
180970073	2012	7	18	14	V	0.01	0	7.71	181
180970073	2012	7	18	15	V	0.04	0	4.34	164
180970073	2012	7	18	16	V	0.04	0	3.15	152
180970073	2012	7	18	17	V	0.03	0	3.2	151
180970073	2012	7	18	18	V	0.04	0	1.62	202
180970073	2012	7	18	19	V	0.05	0	3.08	99
180970073	2012	7	18	20	V	0.05	0	3.32	121
180970073	2012	7	18	21	V	0.05	0	3.93	127
180970073	2012	7	18	22	V	0.05	0	3.54	134
180970073	2012	7	18	23	V	0.05	0	4.99	152
180970073	2012	7	18	24	V	0.05	0	4.03	185
180970073	2012	7	19	1	V	0.03	0	5.26	174
180970073	2012	7	19	2	V	0.03	0	6.53	161
180970073	2012	7	19	3	V	0.03	0	5.75	174
180970073	2012	7	19	4	V	0.03	0	5.12	189
180970073	2012	7	19	5	V	0.06	0	4.48	203
180970073	2012	7	19	6	V	11.7	0	3.15	222
180970073	2012	7	19	7	V	1.3	0	1.59	285
180970073	2012	7	19	8	V	2.2	2.8	1.16	116
180970073	2012	7	19	9	V	0.7	3.4	2.04	95
180970073	2012	7	19	10	V	0.1	1.1	4.29	47
180970073	2012	7	19	11	V	0.07	0.4	4.85	107
180970073	2012	7	19	12	V	0.05	0	5.07	125
180970073	2012	7	19	13	V	0.04	0	5.63	126
180970073	2012	7	19	14	V	0.03	0	6.04	152
180970073	2012	7	19	15	V	0.02	0	5.62	176
180970073	2012	7	19	16	V	0.03	0	4.68	192
180970073	2012	7	19	17	V	0.01	0	6.06	177
180970073	2012	7	19	18	V	0.01	0	5.96	160

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	19	19	V	0.04	0	5.02	184
180970073	2012	7	19	20	V	0.04	0	4.09	48
180970073	2012	7	19	21	V	0.05	0	2.33	119
180970073	2012	7	19	22	V	13.1	0	1.31	241
180970073	2012	7	19	23	V	0.05	0	2.32	275
180970073	2012	7	19	24	V	0.06	0	2.4	300
180970073	2012	7	20	1	V	0.03	0	3.73	329
180970073	2012	7	20	2	V	0.04	0	4.17	353
180970073	2012	7	20	3	V	0.04	0	4.73	356
180970073	2012	7	20	4	V	0.03	0	4.22	349
180970073	2012	7	20	5	V	0.06	0	3.74	347
180970073	2012	7	20	6	V	0.2	0	3.52	343
180970073	2012	7	20	7	V	0.07	0	4.29	344
180970073	2012	7	20	8	V	0.1	0	4.17	320
180970073	2012	7	20	9	V	0.05	0	5.17	356
180970073	2012	7	20	10	V	0.05	0	5.38	16
180970073	2012	7	20	11	V	0.03	0	6.09	23
180970073	2012	7	20	12	V	0.03	0	5.75	30
180970073	2012	7	20	13	V	0.04	0	5.14	34
180970073	2012	7	20	14	V	0.03	0	5.84	21
180970073	2012	7	20	15	V	0.02	0	5.94	29
180970073	2012	7	20	16	V	0.02	0	6.07	38
180970073	2012	7	20	17	V	0.02	0	5.56	36
180970073	2012	7	20	18	V	0.05	0	6.18	38
180970073	2012	7	20	19	V	0.04	0	5.14	45
180970073	2012	7	20	20	V	0.04	0	4.26	45
180970073	2012	7	20	21	V	0.03	0	3.3	43
180970073	2012	7	20	22	V	0.04	0	2.89	71
180970073	2012	7	20	23	V	0.04	0	2.81	88
180970073	2012	7	20	24	V	0.06	0	2.49	91
180970073	2012	7	21	1	V	0.05	0	2.44	95
180970073	2012	7	21	2	V	0.07	0	1.94	90
180970073	2012	7	21	3	V	0.09	0	1.72	58
180970073	2012	7	21	4	V	0.05	0	2.16	344
180970073	2012	7	21	5	V	0.4	0	1.64	18
180970073	2012	7	21	6	V	1.6	0	1.18	16
180970073	2012	7	21	7	V	0.7	0	1.64	348
180970073	2012	7	21	8	V	1.9	0	1.23	51
180970073	2012	7	21	9	V	0.9	0	1.69	41
180970073	2012	7	21	10	V	0.4	0	2.5	45
180970073	2012	7	21	11	V	0.2	0	3.3	32
180970073	2012	7	21	12	V	0.2	0	2.98	42
180970073	2012	7	21	13	V	0.1	0	3.44	68
180970073	2012	7	21	14	V	0.2	0	2.98	53
180970073	2012	7	21	15	V	0.3	0	2.2	38
180970073	2012	7	21	16	V	0.1	0	2.79	32

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	21	17	V	0.07	0	2.78	25
180970073	2012	7	21	18	V	0.02	0	3.78	34
180970073	2012	7	21	19	V	0.05	0	3.46	28
180970073	2012	7	21	20	V	0.05	0	3.39	40
180970073	2012	7	21	21	V	0.04	0	2.86	45
180970073	2012	7	21	22	V	0.06	0	2.25	106
180970073	2012	7	21	23	V	0.1	-999	1.69	91
180970073	2012	7	21	24	V	0.1	0	1.64	100
180970073	2012	7	22	1	V	0.3	0	1.18	148
180970073	2012	7	22	2	V	0.04	0	2.37	177
180970073	2012	7	22	3	V	0.2	0	1.38	189
180970073	2012	7	22	4	V	0.2	0	1.4	159
180970073	2012	7	22	5	V	0.7	0	1.28	132
180970073	2012	7	22	6	V	0.9	0	1.6	189
180970073	2012	7	22	7	V	1.1	0	1.42	181
180970073	2012	7	22	8	V	1.0	0	1.33	177
180970073	2012	7	22	9	V	4.7	1.6	3.54	223
180970073	2012	7	22	10	V	6.3	50.6	3.91	235
180970073	2012	7	22	11	V	1.4	11.1	3.01	262
180970073	2012	7	22	12	V	3.8	3.2	1.99	232
180970073	2012	7	22	13	V	0.7	1.2	1.99	299
180970073	2012	7	22	14	V	0.4	0	1.96	311
180970073	2012	7	22	15	V	3.0	0.7	2.66	224
180970073	2012	7	22	16	V	1.1	3.5	2.08	207
180970073	2012	7	22	17	V	0.05	3.4	3.32	165
180970073	2012	7	22	18	V	0.02	0.4	4.58	158
180970073	2012	7	22	19	V	0.04	0.2	5.63	151
180970073	2012	7	22	20	V	0.04	0.5	6.04	155
180970073	2012	7	22	21	V	0.04	0.4	4.87	164
180970073	2012	7	22	22	V	0.04	0.4	4.36	176
180970073	2012	7	22	23	V	0.04	0.3	3.42	183
180970073	2012	7	22	24	V	0.04	0.4	3.3	183
180970073	2012	7	23	1	V	0.04	0.5	2.74	192
180970073	2012	7	23	2	V	0.02	0.7	3.13	206
180970073	2012	7	23	3	V	0.03	0.9	2.66	210
180970073	2012	7	23	4	V	0.04	1.2	2.28	193
180970073	2012	7	23	5	V	0.1	1.1	3.05	204
180970073	2012	7	23	6	V	0.3	1.3	3.01	206
180970073	2012	7	23	7	V	2.8	2.8	3.12	215
180970073	2012	7	23	8	V	13.0	17.5	5.05	229
180970073	2012	7	23	9	V	12.4	20.7	5.34	237
180970073	2012	7	23	10	V	2.0	11.1	6.84	247
180970073	2012	7	23	11	V	0.9	2.2	8.16	256
180970073	2012	7	23	12	V	1.3	0.9	7.37	248
180970073	2012	7	23	13	V	2.6	0.5	7.47	240
180970073	2012	7	23	14	V	2.3	0.1	7.25	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	23	15	V	0.9	0	7.11	253
180970073	2012	7	23	16	V	0.5	0	7.2	260
180970073	2012	7	23	17	V	1.2	0	7.89	244
180970073	2012	7	23	18	V	1.3	0	7.64	255
180970073	2012	7	23	19	V	5.9	0	6.81	251
180970073	2012	7	23	20	V	19.5	0	5.58	229
180970073	2012	7	23	21	V	0.1	1.4	5.41	218
180970073	2012	7	23	22	V	2.6	2.4	5.6	223
180970073	2012	7	23	23	V	26.8	14.2	5.75	233
180970073	2012	7	23	24	V	22.3	24.6	6.26	235
180970073	2012	7	24	1	V	14.2	25	6.52	237
180970073	2012	7	24	2	V	5.1	2.8	6.65	243
180970073	2012	7	24	3	V	11.4	0.7	7.06	239
180970073	2012	7	24	4	V	6.5	0.4	6.36	241
180970073	2012	7	24	5	V	0.05	0.7	4.43	277
180970073	2012	7	24	6	V	11.7	0.6	2.96	245
180970073	2012	7	24	7	V	1.6	2.6	3.08	212
180970073	2012	7	24	8	V	2.1	20	3.61	215
180970073	2012	7	24	9	V	3.1	6.9	3.61	219
180970073	2012	7	24	10	V	0.05	5.4	5.55	278
180970073	2012	7	24	11	V	0.01	0.8	7.69	19
180970073	2012	7	24	12	V	0.1	0	2.95	87
180970073	2012	7	24	13	V	0.1	0	3	82
180970073	2012	7	24	14	V	0.5	0	1.79	181
180970073	2012	7	24	15	V	1.7	0	2.67	255
180970073	2012	7	24	16	V	0.04	0	3.71	303
180970073	2012	7	24	17	V	0.01	0	5.34	334
180970073	2012	7	24	18	V	0.02	0	3.97	329
180970073	2012	7	24	19	V	0.04	0	3.95	348
180970073	2012	7	24	20	V	0.05	0	3.64	23
180970073	2012	7	24	21	V	0.04	0	5.51	35
180970073	2012	7	24	22	V	0.04	0	4.66	43
180970073	2012	7	24	23	V	0.05	0	3.47	65
180970073	2012	7	24	24	V	0.04	0	3.23	78
180970073	2012	7	25	1	V	0.03	0	2.96	96
180970073	2012	7	25	2	V	0.03	0	2.86	116
180970073	2012	7	25	3	V	0.05	0	2.36	93
180970073	2012	7	25	4	V	0.02	0	3.36	106
180970073	2012	7	25	5	V	0.2	0	2.86	118
180970073	2012	7	25	6	V	0.05	0	5.36	106
180970073	2012	7	25	7	V	0.09	0	4.86	117
180970073	2012	7	25	8	V	0.03	0	6.46	129
180970073	2012	7	25	9	V	0.05	2.5	5.36	127
180970073	2012	7	25	10	V	0.2	5	3.86	174
180970073	2012	7	25	11	V	0.08	5	4.36	180
180970073	2012	7	25	12	V	0.09	2.6	4.36	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	25	13	M	-999	0.9	3.36	999
180970073	2012	7	25	14	V	0.4	0.7	8.46	218
180970073	2012	7	25	15	V	1.8	4.2	3.86	233
180970073	2012	7	25	16	V	2.2	2	5.96	239
180970073	2012	7	25	17	V	1.4	0	7.96	224
180970073	2012	7	25	18	V	0.01	0	6.46	214
180970073	2012	7	25	19	V	3.0	1.3	6.46	223
180970073	2012	7	25	20	V	0.04	0.1	5.36	208
180970073	2012	7	25	21	V	0.04	2.9	4.86	209
180970073	2012	7	25	22	V	0.04	3.9	4.86	200
180970073	2012	7	25	23	V	0.6	0	9.06	219
180970073	2012	7	25	24	V	0.1	0	6.96	217
180970073	2012	7	26	1	V	1.0	4.1	8.96	220
180970073	2012	7	26	2	V	14.5	5.6	8.46	230
180970073	2012	7	26	3	V	6.4	10.8	8.46	226
180970073	2012	7	26	4	V	0.1	2.2	7.96	217
180970073	2012	7	26	5	V	0.6	3.2	7.6	222
180970073	2012	7	26	6	V	0.6	1.6	6.89	220
180970073	2012	7	26	7	V	6.4	8.6	7.3	236
180970073	2012	7	26	8	V	8.5	1.6	7.06	234
180970073	2012	7	26	9	V	2.8	1.4	8.05	240
180970073	2012	7	26	10	V	0.5	1.7	7.52	260
180970073	2012	7	26	11	V	0.1	0.4	5.73	268
180970073	2012	7	26	12	V	0.04	0.4	5.5	282
180970073	2012	7	26	13	V	1.0	0	3.73	259
180970073	2012	7	26	14	V	1.0	0.8	6.04	253
180970073	2012	7	26	15	V	0.08	0	7.06	268
180970073	2012	7	26	16	V	0.01	0	9.05	276
180970073	2012	7	26	17	V	0.01	0	8.54	293
180970073	2012	7	26	18	V	0.01	0	7.91	281
180970073	2012	7	26	19	V	0.04	0	7.62	288
180970073	2012	7	26	20	V	0.04	0	6.48	304
180970073	2012	7	26	21	V	0.04	0	3.61	302
180970073	2012	7	26	22	V	0.05	0	2.45	288
180970073	2012	7	26	23	V	0.05	0	2.44	292
180970073	2012	7	26	24	V	0.04	0	2.88	279
180970073	2012	7	27	1	V	2.7	0	2.93	258
180970073	2012	7	27	2	V	0.03	0	3.58	270
180970073	2012	7	27	3	V	0.03	0	3.46	274
180970073	2012	7	27	4	V	8.6	0	3.35	250
180970073	2012	7	27	5	V	5.8	0	3.22	249
180970073	2012	7	27	6	V	27.6	0	2.93	233
180970073	2012	7	27	7	V	11.9	0.9	4.32	241
180970073	2012	7	27	8	V	0.8	2.4	4.97	262
180970073	2012	7	27	9	V	1.2	0	3.54	262
180970073	2012	7	27	10	V	3.0	-999	3.42	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	27	11	V	1.6	-999	4.15	248
180970073	2012	7	27	12	V	1.5	2.2	3.93	236
180970073	2012	7	27	13	V	0.5	4.4	6.01	215
180970073	2012	7	27	14	V	1.6	1.1	5.6	242
180970073	2012	7	27	15	V	0.04	1.1	4.22	203
180970073	2012	7	27	16	V	0.3	0	4	208
180970073	2012	7	27	17	V	0.03	1.6	3.59	127
180970073	2012	7	27	18	V	0.09	0.4	2.52	113
180970073	2012	7	27	19	V	0.03	2.7	7.82	311
180970073	2012	7	27	20	V	0.03	0	6.57	324
180970073	2012	7	27	21	V	0.03	0	4.1	312
180970073	2012	7	27	22	V	0.03	0	3.59	305
180970073	2012	7	27	23	V	0.03	0	3.22	305
180970073	2012	7	27	24	V	0.03	0	3.44	338
180970073	2012	7	28	1	V	0.04	0	2.54	325
180970073	2012	7	28	2	V	0.07	0	1.84	293
180970073	2012	7	28	3	V	0.02	0	3.66	328
180970073	2012	7	28	4	V	0.05	0	2.27	310
180970073	2012	7	28	5	V	0.2	0	2.42	304
180970073	2012	7	28	6	V	0.1	0	3.95	328
180970073	2012	7	28	7	V	0.1	0	3.71	331
180970073	2012	7	28	8	V	0.09	0	3.9	349
180970073	2012	7	28	9	V	0.06	0	4.58	356
180970073	2012	7	28	10	V	0.06	0	5.05	357
180970073	2012	7	28	11	V	0.05	0	4.75	347
180970073	2012	7	28	12	V	0.04	0	5.12	15
180970073	2012	7	28	13	V	0.06	0	4.34	17
180970073	2012	7	28	14	V	0.07	0	3.74	13
180970073	2012	7	28	15	V	0.06	0	3.73	9
180970073	2012	7	28	16	V	0.04	0	4.09	357
180970073	2012	7	28	17	V	0.03	0	4.1	358
180970073	2012	7	28	18	V	0.01	0	5.17	354
180970073	2012	7	28	19	V	0.04	0	5.34	351
180970073	2012	7	28	20	V	0.04	0	5	4
180970073	2012	7	28	21	V	0.04	0	3.57	24
180970073	2012	7	28	22	V	0.04	0	3.18	19
180970073	2012	7	28	23	V	0.09	-999	1.82	356
180970073	2012	7	28	24	V	0.07	0	2.03	342
180970073	2012	7	29	1	V	0.07	0	1.86	8
180970073	2012	7	29	2	V	0.1	0	1.57	3
180970073	2012	7	29	3	V	0.2	0	1.31	12
180970073	2012	7	29	4	V	0.05	0	2.13	21
180970073	2012	7	29	5	V	0.1	0	1.43	343
180970073	2012	7	29	6	V	1.7	0	1.09	357
180970073	2012	7	29	7	V	1.6	0	1.14	355
180970073	2012	7	29	8	V	1.3	0	1.33	52

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	29	9	V	1.4	0	1.04	90
180970073	2012	7	29	10	V	0.9	0	1.67	175
180970073	2012	7	29	11	V	1.4	0	2.01	216
180970073	2012	7	29	12	V	0.6	0.6	2.08	305
180970073	2012	7	29	13	V	0.4	0	2.21	11
180970073	2012	7	29	14	V	0.4	0	3.03	275
180970073	2012	7	29	15	V	0.1	0	2.79	291
180970073	2012	7	29	16	V	0.3	0	2.35	281
180970073	2012	7	29	17	V	0.08	0	2.62	9
180970073	2012	7	29	18	V	0.03	0	2.4	62
180970073	2012	7	29	19	V	0.04	0	5.85	20
180970073	2012	7	29	20	V	0.05	0	4	35
180970073	2012	7	29	21	V	0.04	0	3.41	64
180970073	2012	7	29	22	V	0.04	0	2.88	99
180970073	2012	7	29	23	V	0.08	0	2.01	107
180970073	2012	7	29	24	V	0.1	0	1.77	95
180970073	2012	7	30	1	V	0.04	0	2.49	99
180970073	2012	7	30	2	V	0.2	0	1.38	125
180970073	2012	7	30	3	V	0.02	0	3.01	154
180970073	2012	7	30	4	V	0.08	0	1.76	122
180970073	2012	7	30	5	V	0.08	0	2.86	120
180970073	2012	7	30	6	C	-999	0	0	0
180970073	2012	7	30	7	V	0.5	0	2.86	145
180970073	2012	7	30	8	V	0.4	0.1	2.36	190
180970073	2012	7	30	9	V	0.9	0	1.76	182
180970073	2012	7	30	10	V	0.1	0	3.86	156
180970073	2012	7	30	11	V	0.1	0.6	3.86	165
180970073	2012	7	30	12	V	0.07	0.6	4.36	136
180970073	2012	7	30	13	M	-999	1	3.36	999
180970073	2012	7	30	14	M	-999	0.4	3.36	999
180970073	2012	7	30	15	V	0.04	0	4.36	160
180970073	2012	7	30	16	V	0.04	0	4.36	134
180970073	2012	7	30	17	V	0.01	0.4	5.96	135
180970073	2012	7	30	18	M	-999	1.2	3.36	999
180970073	2012	7	30	19	V	0.04	0.6	3.86	136
180970073	2012	7	30	20	V	0.05	0.3	2.86	116
180970073	2012	7	30	21	V	0.04	0	3.36	168
180970073	2012	7	30	22	V	0.06	0	2.36	157
180970073	2012	7	30	23	V	0.06	0	2.3	141
180970073	2012	7	30	24	V	0.05	0	2.52	151
180970073	2012	7	31	1	V	0.04	0	2.47	161
180970073	2012	7	31	2	V	0.03	0	2.71	153
180970073	2012	7	31	3	V	0.07	0	1.87	148
180970073	2012	7	31	4	V	0.07	0	1.91	129
180970073	2012	7	31	5	V	0.2	0	1.38	114
180970073	2012	7	31	6	V	0.9	0	1.69	108

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	7	31	7	V	1.8	0	1.35	51
180970073	2012	7	31	8	V	0.02	0	6.92	26
180970073	2012	7	31	9	V	0.05	0	5.53	54
180970073	2012	7	31	10	V	0.1	0	3.9	134
180970073	2012	7	31	11	V	0.1	0	3.64	176
180970073	2012	7	31	12	V	0.09	0	4.29	180
180970073	2012	7	31	13	V	0.1	0	4.53	201
180970073	2012	7	31	14	V	3.2	4.6	4.75	234
180970073	2012	7	31	15	V	2.2	1	5.56	243
180970073	2012	7	31	16	V	0.3	0	3.74	268
180970073	2012	7	31	17	V	0.05	0	3.12	321
180970073	2012	7	31	18	V	0.05	0	6.07	13
180970073	2012	7	31	19	V	0.04	0	5.53	10
180970073	2012	7	31	20	V	0.05	0	3.69	22
180970073	2012	7	31	21	V	0.05	0	2.62	45
180970073	2012	7	31	22	V	0.04	0	2.81	13
180970073	2012	7	31	23	V	0.03	0	3.36	358
180970073	2012	7	31	24	V	0.02	0	3.36	359
180970073	2012	8	1	1	V	0.02	0	3.86	12
180970073	2012	8	1	2	V	0.02	0	3.36	1
180970073	2012	8	1	3	V	0.03	0	2.86	360
180970073	2012	8	1	4	V	0.04	0	2.36	4
180970073	2012	8	1	5	V	0.05	0	2.86	355
180970073	2012	8	1	6	V	0.3	0	2.36	352
180970073	2012	8	1	7	V	0.3	0	2.36	357
180970073	2012	8	1	8	V	0.09	0	3.86	12
180970073	2012	8	1	9	V	0.07	0	3.36	38
180970073	2012	8	1	10	V	0.02	0	5.96	34
180970073	2012	8	1	11	V	0.02	-999	5.96	18
180970073	2012	8	1	12	V	0.03	-999	5.36	33
180970073	2012	8	1	13	V	0.06	-999	4.25	348
180970073	2012	8	1	14	V	0.03	-999	5.46	344
180970073	2012	8	1	15	V	0.03	0	4.97	345
180970073	2012	8	1	16	V	0.03	0	5	5
180970073	2012	8	1	17	V	0.03	0	4.36	345
180970073	2012	8	1	18	V	0.05	0	4.71	359
180970073	2012	8	1	19	V	0.03	0	5.09	9
180970073	2012	8	1	20	V	0.04	0	4.42	23
180970073	2012	8	1	21	V	0.03	0	3.73	44
180970073	2012	8	1	22	V	0.09	0	1.72	29
180970073	2012	8	1	23	V	0.09	0	1.76	32
180970073	2012	8	1	24	V	0.04	0	2.33	23
180970073	2012	8	2	1	V	0.04	0	2.3	27
180970073	2012	8	2	2	V	0.04	0	2.47	84
180970073	2012	8	2	3	V	0.1	0	1.57	313
180970073	2012	8	2	4	V	0.2	0	1.31	356

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	2	5	V	0.3	0	1.09	294
180970073	2012	8	2	6	V	2.8	0	0.7	7
180970073	2012	8	2	7	V	0.7	0	1.71	81
180970073	2012	8	2	8	V	0.9	0	1.69	104
180970073	2012	8	2	9	V	0.2	0	2.95	132
180970073	2012	8	2	10	V	0.1	0	3.4	146
180970073	2012	8	2	11	V	0.2	0	2.4	177
180970073	2012	8	2	12	V	0.4	6	1.79	171
180970073	2012	8	2	13	V	0.4	2.6	1.94	159
180970073	2012	8	2	14	V	0.2	2.5	2.57	147
180970073	2012	8	2	15	V	0.1	3.9	2.54	172
180970073	2012	8	2	16	V	0.06	2.5	3.56	136
180970073	2012	8	2	17	V	0.03	0.6	3.97	139
180970073	2012	8	2	18	V	0.01	0.2	4.56	125
180970073	2012	8	2	19	V	0.04	1	4.87	122
180970073	2012	8	2	20	V	0.04	1	3.59	122
180970073	2012	8	2	21	V	0.04	1.4	2.66	124
180970073	2012	8	2	22	V	0.04	1.5	2.81	128
180970073	2012	8	2	23	V	0.03	2.3	3.1	133
180970073	2012	8	2	24	V	0.04	2	2.49	175
180970073	2012	8	3	1	V	3.0	1.1	3.25	242
180970073	2012	8	3	2	V	5.9	1	4.1	255
180970073	2012	8	3	3	V	0.1	0.4	2.67	266
180970073	2012	8	3	4	V	0.08	0.3	1.76	327
180970073	2012	8	3	5	V	0.2	0	1.3	22
180970073	2012	8	3	6	V	0.2	0	2.95	106
180970073	2012	8	3	7	V	0.1	0	3.44	82
180970073	2012	8	3	8	V	0.1	0	3.54	97
180970073	2012	8	3	9	V	0.2	0	3.85	126
180970073	2012	8	3	10	V	0.2	0	3.64	142
180970073	2012	8	3	11	V	0.1	0	3.69	146
180970073	2012	8	3	12	V	0.05	0	4.94	156
180970073	2012	8	3	13	V	0.05	0	4.68	140
180970073	2012	8	3	14	V	0.02	0	7.09	157
180970073	2012	8	3	15	V	0.02	1.3	6.81	165
180970073	2012	8	3	16	V	0.02	0	6.28	158
180970073	2012	8	3	17	V	0.01	0	4.82	158
180970073	2012	8	3	18	V	0.04	0	6.28	146
180970073	2012	8	3	19	V	0.03	0	5.38	121
180970073	2012	8	3	20	V	0.03	0	4.32	122
180970073	2012	8	3	21	V	0.03	0	3.78	135
180970073	2012	8	3	22	V	0.03	0.3	4.61	144
180970073	2012	8	3	23	V	0.02	2	4.48	157
180970073	2012	8	3	24	V	0.02	3	3.8	135
180970073	2012	8	4	1	V	0.02	1.2	3.47	117
180970073	2012	8	4	2	V	0.03	0	2.5	85

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	4	3	V	0.02	0	3.22	98
180970073	2012	8	4	4	V	0.02	0	3.32	112
180970073	2012	8	4	5	V	0.05	0	2.95	113
180970073	2012	8	4	6	V	0.2	0	2.84	125
180970073	2012	8	4	7	V	0.2	0	3.07	126
180970073	2012	8	4	8	V	0.1	0	3.68	133
180970073	2012	8	4	9	V	0.06	0	4.68	148
180970073	2012	8	4	10	V	0.05	0	4.82	148
180970073	2012	8	4	11	V	0.2	0	3.54	152
180970073	2012	8	4	12	V	0.07	0	4.51	155
180970073	2012	8	4	13	V	0.04	0	5.44	151
180970073	2012	8	4	14	V	0.01	0	8.16	166
180970073	2012	8	4	15	V	0.03	0	5.24	156
180970073	2012	8	4	16	V	0.02	0	6.04	167
180970073	2012	8	4	17	V	0.02	0	5.77	174
180970073	2012	8	4	18	V	0.01	0	8.1	211
180970073	2012	8	4	19	V	15.1	0	9.81	229
180970073	2012	8	4	20	V	13.7	0	6.67	228
180970073	2012	8	4	21	V	0.04	0	4.9	206
180970073	2012	8	4	22	V	4.8	0	4.77	225
180970073	2012	8	4	23	V	0.03	-999	3.52	214
180970073	2012	8	4	24	V	0.03	0.1	3.83	198
180970073	2012	8	5	1	V	0.03	0	4.6	196
180970073	2012	8	5	2	V	0.03	0	4.1	193
180970073	2012	8	5	3	V	0.03	0	5.17	172
180970073	2012	8	5	4	V	0.03	0	5.55	188
180970073	2012	8	5	5	V	2.6	0	6.82	259
180970073	2012	8	5	6	V	0.07	0	3.71	357
180970073	2012	8	5	7	V	0.06	0	4.24	184
180970073	2012	8	5	8	V	1.2	0	2.96	215
180970073	2012	8	5	9	V	19.8	1.5	3.13	234
180970073	2012	8	5	10	V	0.2	4.7	4.12	270
180970073	2012	8	5	11	V	0.1	1.1	4.19	268
180970073	2012	8	5	12	V	0.1	0.1	4.95	268
180970073	2012	8	5	13	V	0.1	0	4.42	287
180970073	2012	8	5	14	V	0.07	0	4.54	298
180970073	2012	8	5	15	V	0.04	0	5.39	314
180970073	2012	8	5	16	V	0.04	0	4.78	305
180970073	2012	8	5	17	V	0.02	0	4.76	333
180970073	2012	8	5	18	V	0.03	0	4.56	320
180970073	2012	8	5	19	V	0.02	0	4.24	318
180970073	2012	8	5	20	V	0.02	0	3.52	310
180970073	2012	8	5	21	V	0.04	0	2.15	331
180970073	2012	8	5	22	V	0.03	0	2.66	335
180970073	2012	8	5	23	V	0.03	0	2.42	348
180970073	2012	8	5	24	V	0.02	0	4.42	6

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	6	1	V	0.02	0	4.42	40
180970073	2012	8	6	2	V	0.02	0	4.1	40
180970073	2012	8	6	3	V	0.02	0	3.86	44
180970073	2012	8	6	4	V	0.02	0	2.83	55
180970073	2012	8	6	5	V	0.02	0	2.32	40
180970073	2012	8	6	6	V	0.2	0	2.22	50
180970073	2012	8	6	7	V	0.3	0	2.18	50
180970073	2012	8	6	8	V	0.2	0	2.49	51
180970073	2012	8	6	9	V	0.09	0	2.61	53
180970073	2012	8	6	10	V	0.1	0	2.16	74
180970073	2012	8	6	11	V	0.3	0	1.55	52
180970073	2012	8	6	12	V	0.2	0	1.86	319
180970073	2012	8	6	13	V	0.2	0	2.06	302
180970073	2012	8	6	14	V	0.1	0	2.21	196
180970073	2012	8	6	15	V	0.8	0	1.86	206
180970073	2012	8	6	16	V	0.2	0	2.04	329
180970073	2012	8	6	17	V	0.04	0	3.01	348
180970073	2012	8	6	18	V	0.06	0	1.6	327
180970073	2012	8	6	19	V	0.02	0	3.61	46
180970073	2012	8	6	20	V	0.02	0	4.56	50
180970073	2012	8	6	21	V	0.02	0	3.63	54
180970073	2012	8	6	22	V	0.02	0	2.98	59
180970073	2012	8	6	23	V	0.02	0	2.83	53
180970073	2012	8	6	24	V	0.02	0	2.72	52
180970073	2012	8	7	1	V	0.03	0	2.22	58
180970073	2012	8	7	2	V	0.03	0	2.11	120
180970073	2012	8	7	3	V	0.04	0	2.08	110
180970073	2012	8	7	4	V	0.2	0	1.21	52
180970073	2012	8	7	5	V	0.08	0	1.48	92
180970073	2012	8	7	6	V	0.4	0	1.42	16
180970073	2012	8	7	7	V	0.6	0	1.37	60
180970073	2012	8	7	8	V	0.7	1.7	1.48	120
180970073	2012	8	7	9	V	0.4	4.7	1.7	166
180970073	2012	8	7	10	V	2.1	7.2	2.62	220
180970073	2012	8	7	11	V	3.8	7.2	2.49	246
180970073	2012	8	7	12	V	4.8	4.7	2.3	236
180970073	2012	8	7	13	V	2.0	3.2	2.21	254
180970073	2012	8	7	14	V	1.3	1.7	2.27	260
180970073	2012	8	7	15	V	0.2	0	2.33	289
180970073	2012	8	7	16	V	0.2	0	2.67	276
180970073	2012	8	7	17	V	0.04	0	2.78	293
180970073	2012	8	7	18	V	0.03	0	2.59	314
180970073	2012	8	7	19	V	0.02	0	3.01	327
180970073	2012	8	7	20	V	0.03	0	2.64	355
180970073	2012	8	7	21	V	0.08	0	1.69	360
180970073	2012	8	7	22	V	0.5	0	0.86	302

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	7	23	V	0.06	0	1.72	138
180970073	2012	8	7	24	V	0.05	0	1.76	168
180970073	2012	8	8	1	V	0.1	0	1.4	207
180970073	2012	8	8	2	V	0.1	0	1.25	210
180970073	2012	8	8	3	V	11.9	0	1.64	232
180970073	2012	8	8	4	V	1.9	0	2.25	240
180970073	2012	8	8	5	V	2.0	0	2.52	226
180970073	2012	8	8	6	V	5.6	0.5	3.22	245
180970073	2012	8	8	7	V	8.7	4.9	2.9	239
180970073	2012	8	8	8	V	6.8	6.4	2.74	246
180970073	2012	8	8	9	V	4.7	1.7	3.08	242
180970073	2012	8	8	10	V	2.2	3.2	4.51	255
180970073	2012	8	8	11	V	0.1	2.4	5.16	267
180970073	2012	8	8	12	V	0.06	1.1	5.55	268
180970073	2012	8	8	13	V	1.5	1.2	5.36	253
180970073	2012	8	8	14	V	0.07	0.4	5.83	268
180970073	2012	8	8	15	V	0.01	0.6	5.36	274
180970073	2012	8	8	16	V	0.02	1	4.51	285
180970073	2012	8	8	17	V	0.02	0.9	3.92	309
180970073	2012	8	8	18	V	0.01	0.2	4.71	317
180970073	2012	8	8	19	V	0.04	0	4.26	353
180970073	2012	8	8	20	V	0.04	0	4.44	25
180970073	2012	8	8	21	V	0.03	0	7.37	28
180970073	2012	8	8	22	V	0.03	0	4.17	34
180970073	2012	8	8	23	V	0.03	0	3.17	37
180970073	2012	8	8	24	V	0.03	0	3.83	32
180970073	2012	8	9	1	V	0.03	0	3.8	88
180970073	2012	8	9	2	V	0.03	0	3.27	61
180970073	2012	8	9	3	V	0.03	0	5.38	353
180970073	2012	8	9	4	V	0.03	0	5.26	339
180970073	2012	8	9	5	V	0.04	0	4.58	312
180970073	2012	8	9	6	V	0.1	0	2.71	126
180970073	2012	8	9	7	V	0.05	0	4.65	81
180970073	2012	8	9	8	V	0.2	0	3.03	122
180970073	2012	8	9	9	V	0.2	0	3.22	177
180970073	2012	8	9	10	V	0.07	0	4.28	189
180970073	2012	8	9	11	V	0.4	0	2.36	192
180970073	2012	8	9	12	V	16.1	0	1.36	240
180970073	2012	8	9	13	V	23.3	4.3	2.01	231
180970073	2012	8	9	14	V	0.5	7	2.16	191
180970073	2012	8	9	15	V	0.5	0	2.5	206
180970073	2012	8	9	16	V	5.7	1.2	2.21	219
180970073	2012	8	9	17	V	0.3	10.8	3.13	214
180970073	2012	8	9	18	V	26.5	12.5	2.47	232
180970073	2012	8	9	19	V	0.07	7.7	1.86	331
180970073	2012	8	9	20	V	0.04	0	2.66	51

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	9	21	V	0.03	0	6.02	307
180970073	2012	8	9	22	V	0.04	0	1.84	152
180970073	2012	8	9	23	V	5.7	0	2.32	239
180970073	2012	8	9	24	V	0.04	0	2.18	3
180970073	2012	8	10	1	V	0.2	0	1.35	87
180970073	2012	8	10	2	V	4.8	0	2.62	227
180970073	2012	8	10	3	V	0.03	0	5.68	324
180970073	2012	8	10	4	V	0.03	0	4.12	329
180970073	2012	8	10	5	V	0.04	0	4.6	308
180970073	2012	8	10	6	V	0.07	0	4.19	313
180970073	2012	8	10	7	V	0.03	0	5.26	322
180970073	2012	8	10	8	V	0.01	0	6.47	328
180970073	2012	8	10	9	V	0.01	0	6.5	325
180970073	2012	8	10	10	V	0.03	0	5.51	315
180970073	2012	8	10	11	V	0.03	0	6.18	322
180970073	2012	8	10	12	V	0.03	0	6.33	314
180970073	2012	8	10	13	V	0.03	0	6.43	321
180970073	2012	8	10	14	V	0.01	0	8.62	326
180970073	2012	8	10	15	V	0.02	0	5.68	330
180970073	2012	8	10	16	V	0.01	0	8.39	331
180970073	2012	8	10	17	V	0.01	0	8.64	335
180970073	2012	8	10	18	V	0.03	0	9.81	326
180970073	2012	8	10	19	V	0.02	0	8.44	331
180970073	2012	8	10	20	V	0.03	0	8.5	336
180970073	2012	8	10	21	V	0.03	0	6.74	343
180970073	2012	8	10	22	V	0.03	0	7.33	335
180970073	2012	8	10	23	V	0.03	0	5.68	341
180970073	2012	8	10	24	V	0.03	0	6.14	330
180970073	2012	8	11	1	V	0.03	0	5.39	324
180970073	2012	8	11	2	V	0.03	0	4	315
180970073	2012	8	11	3	V	0.03	0	3.86	292
180970073	2012	8	11	4	V	0.03	0	4.25	299
180970073	2012	8	11	5	V	0.04	0	3.95	292
180970073	2012	8	11	6	V	0.1	0	3.63	299
180970073	2012	8	11	7	V	0.04	0	4.59	285
180970073	2012	8	11	8	V	0.03	0	5.45	286
180970073	2012	8	11	9	V	0.03	0	5.53	303
180970073	2012	8	11	10	V	0.02	0	6.35	307
180970073	2012	8	11	11	V	0.01	0	7.08	299
180970073	2012	8	11	12	V	0.01	0	7.01	300
180970073	2012	8	11	13	V	0.01	0	6.11	303
180970073	2012	8	11	14	V	0.02	0	5.04	305
180970073	2012	8	11	15	V	0.02	0	4.42	300
180970073	2012	8	11	16	V	0.02	0	4.24	317
180970073	2012	8	11	17	V	0.01	0	4.42	314
180970073	2012	8	11	18	V	0.03	0	3.32	313

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	11	19	V	0.02	0	3.18	302
180970073	2012	8	11	20	V	0.02	0	3.42	298
180970073	2012	8	11	21	V	0.05	0	2.15	308
180970073	2012	8	11	22	V	0.04	0	2.39	321
180970073	2012	8	11	23	V	0.03	-999	2.91	13
180970073	2012	8	11	24	V	0.04	0	2.5	49
180970073	2012	8	12	1	V	0.06	0	2.06	25
180970073	2012	8	12	2	V	0.1	0	1.71	323
180970073	2012	8	12	3	V	0.2	0	1.42	17
180970073	2012	8	12	4	V	0.2	0	1.43	320
180970073	2012	8	12	5	V	1.5	0	1.21	263
180970073	2012	8	12	6	V	1.4	0	0.86	344
180970073	2012	8	12	7	V	3.2	0	0.57	286
180970073	2012	8	12	8	V	2.9	0	0.84	160
180970073	2012	8	12	9	V	0.4	0	1.98	126
180970073	2012	8	12	10	V	0.5	0	1.6	132
180970073	2012	8	12	11	V	0.2	0	1.72	138
180970073	2012	8	12	12	V	4.1	0	2.08	223
180970073	2012	8	12	13	V	4.5	2.4	2.66	226
180970073	2012	8	12	14	V	6.0	12.1	2.55	235
180970073	2012	8	12	15	V	4.2	4.8	3.22	240
180970073	2012	8	12	16	V	0.03	1.4	3.23	283
180970073	2012	8	12	17	V	2.1	0	3.61	252
180970073	2012	8	12	18	V	0.03	0	4	305
180970073	2012	8	12	19	V	0.03	0	2.64	326
180970073	2012	8	12	20	V	0.2	0	1.28	314
180970073	2012	8	12	21	V	0.07	0.4	1.76	83
180970073	2012	8	12	22	V	0.04	0	2.36	130
180970073	2012	8	12	23	V	0.03	0	2.53	134
180970073	2012	8	12	24	V	0.04	0	2.25	100
180970073	2012	8	13	1	V	0.03	0	2.9	104
180970073	2012	8	13	2	V	0.03	0	2.83	112
180970073	2012	8	13	3	V	0.03	0	2.67	118
180970073	2012	8	13	4	V	0.1	0	1.45	111
180970073	2012	8	13	5	V	0.04	0	2.1	151
180970073	2012	8	13	6	V	0.2	1	2.15	108
180970073	2012	8	13	7	V	0.7	1.4	1.47	163
180970073	2012	8	13	8	V	0.9	1.2	1.77	201
180970073	2012	8	13	9	V	6.2	0	1.11	211
180970073	2012	8	13	10	V	1.1	8.5	1.5	124
180970073	2012	8	13	11	V	0.2	3.4	2.78	130
180970073	2012	8	13	12	V	0.2	1.1	2.93	142
180970073	2012	8	13	13	V	0.06	0.4	5	146
180970073	2012	8	13	14	V	0.05	0	4.99	142
180970073	2012	8	13	15	V	0.04	0	5	153
180970073	2012	8	13	16	V	0.05	0	4.24	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	13	17	V	0.02	0	4.9	184
180970073	2012	8	13	18	V	0.05	0	3.83	168
180970073	2012	8	13	19	V	0.05	0	4.27	158
180970073	2012	8	13	20	V	0.05	0	4.42	163
180970073	2012	8	13	21	V	0.04	0	5.94	177
180970073	2012	8	13	22	V	0.04	0	5	205
180970073	2012	8	13	23	V	8.1	0	3.13	253
180970073	2012	8	13	24	V	4.7	3.1	3.63	246
180970073	2012	8	14	1	V	5.6	1.4	3.08	247
180970073	2012	8	14	2	V	2.3	1.2	2.95	243
180970073	2012	8	14	3	V	2.9	0	2.47	258
180970073	2012	8	14	4	V	0.03	0	3.64	292
180970073	2012	8	14	5	V	0.03	0	4.22	313
180970073	2012	8	14	6	V	0.04	0	4.66	321
180970073	2012	8	14	7	V	0.08	0	4.02	315
180970073	2012	8	14	8	V	0.04	0	5.27	329
180970073	2012	8	14	9	V	0.05	0	4.68	330
180970073	2012	8	14	10	V	0.07	0	4.56	345
180970073	2012	8	14	11	V	0.08	0	4.54	353
180970073	2012	8	14	12	V	0.05	0	4.7	334
180970073	2012	8	14	13	V	0.1	0	4.03	324
180970073	2012	8	14	14	V	0.05	0	5.07	323
180970073	2012	8	14	15	V	0.1	0	3.69	329
180970073	2012	8	14	16	V	0.1	0	2.78	308
180970073	2012	8	14	17	V	0.06	0	3.34	326
180970073	2012	8	14	18	V	0.04	0	4.53	350
180970073	2012	8	14	19	V	0.04	0	3.52	1
180970073	2012	8	14	20	V	0.1	0	1.5	13
180970073	2012	8	14	21	V	0.1	0	1.72	46
180970073	2012	8	14	22	V	0.1	0	1.77	53
180970073	2012	8	14	23	V	0.2	0	1.26	111
180970073	2012	8	14	24	V	0.1	0	1.64	145
180970073	2012	8	15	1	V	0.1	0	1.48	208
180970073	2012	8	15	2	V	0.08	0	1.81	182
180970073	2012	8	15	3	V	0.06	0	1.99	191
180970073	2012	8	15	4	V	0.04	0	2.52	217
180970073	2012	8	15	5	V	4.2	0	2.2	246
180970073	2012	8	15	6	V	4.9	0	2.23	259
180970073	2012	8	15	7	V	4.6	0	0.84	214
180970073	2012	8	15	8	V	2.9	0.2	1.94	212
180970073	2012	8	15	9	V	2.1	2.6	2.23	213
180970073	2012	8	15	10	V	1.7	6.5	2.79	214
180970073	2012	8	15	11	V	3.4	26	2.78	247
180970073	2012	8	15	12	V	0.3	4.9	2.91	274
180970073	2012	8	15	13	V	0.06	0	3.29	289
180970073	2012	8	15	14	V	0.05	0	3.23	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	15	15	V	1.2	0	2.49	259
180970073	2012	8	15	16	V	2.2	0	2.38	251
180970073	2012	8	15	17	V	1.3	0	1.28	208
180970073	2012	8	15	18	V	0.04	0	2.69	186
180970073	2012	8	15	19	V	0.04	7.3	2.69	204
180970073	2012	8	15	20	V	0.05	21.1	2.57	203
180970073	2012	8	15	21	V	0.06	10.1	2.18	195
180970073	2012	8	15	22	V	0.03	2.1	2.91	190
180970073	2012	8	15	23	V	0.02	0	3.69	185
180970073	2012	8	15	24	V	0.03	0	3.63	191
180970073	2012	8	16	1	V	8.7	0	2.74	228
180970073	2012	8	16	2	V	0.04	0	2.37	213
180970073	2012	8	16	3	V	0.03	0	2.78	194
180970073	2012	8	16	4	V	0.02	0	3.05	206
180970073	2012	8	16	5	V	0.03	0	3.03	181
180970073	2012	8	16	6	V	0.2	0	3	181
180970073	2012	8	16	7	V	0.2	0.2	2.91	184
180970073	2012	8	16	8	V	0.3	2.2	4.03	213
180970073	2012	8	16	9	V	0.03	2.9	5.17	206
180970073	2012	8	16	10	V	0.03	1.6	5.38	205
180970073	2012	8	16	11	V	0.02	1.8	6.23	211
180970073	2012	8	16	12	V	4.8	1.8	6.09	228
180970073	2012	8	16	13	V	0.02	0	5.97	2
180970073	2012	8	16	14	V	0.03	0	4.6	83
180970073	2012	8	16	15	V	0.05	0	4.1	84
180970073	2012	8	16	16	V	0.01	0	7.52	4
180970073	2012	8	16	17	V	0.01	0	7.77	13
180970073	2012	8	16	18	V	0.03	0	7.18	62
180970073	2012	8	16	19	V	0.03	0	9.27	137
180970073	2012	8	16	20	V	0.03	0	7.67	148
180970073	2012	8	16	21	V	0.03	0	6.52	181
180970073	2012	8	16	22	V	0.3	0	5.21	266
180970073	2012	8	16	23	V	0.03	0	4.29	278
180970073	2012	8	16	24	V	0.2	0	3.34	266
180970073	2012	8	17	1	V	0.4	0	3.63	264
180970073	2012	8	17	2	V	7.1	0	3.35	254
180970073	2012	8	17	3	V	0.03	0	3.56	287
180970073	2012	8	17	4	V	0.03	0	3.42	309
180970073	2012	8	17	5	V	0.03	0	3.63	317
180970073	2012	8	17	6	V	0.1	0	3.54	319
180970073	2012	8	17	7	V	0.2	0	3.71	326
180970073	2012	8	17	8	V	0.1	0	3.81	338
180970073	2012	8	17	9	V	0.2	0	3.2	353
180970073	2012	8	17	10	V	0.2	0	3.01	358
180970073	2012	8	17	11	V	0.3	0	2.45	342
180970073	2012	8	17	12	V	0.1	0	3.18	331

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	17	13	V	0.06	0	4.15	321
180970073	2012	8	17	14	V	0.05	0	4.29	323
180970073	2012	8	17	15	V	0.03	0	4.37	316
180970073	2012	8	17	16	V	0.03	0	4.46	308
180970073	2012	8	17	17	V	0.02	0	5.14	307
180970073	2012	8	17	18	V	0.04	0	5.36	321
180970073	2012	8	17	19	V	0.04	0	4.54	319
180970073	2012	8	17	20	V	0.03	0	3.46	315
180970073	2012	8	17	21	V	0.1	0	1.82	301
180970073	2012	8	17	22	V	0.05	0	2.64	320
180970073	2012	8	17	23	V	0.03	0	2.95	340
180970073	2012	8	17	24	V	0.02	0	3.54	25
180970073	2012	8	18	1	V	0.02	0	3.73	37
180970073	2012	8	18	2	V	0.02	0	3.34	26
180970073	2012	8	18	3	V	0.04	0	2.49	29
180970073	2012	8	18	4	V	0.04	0	2.37	23
180970073	2012	8	18	5	V	0.07	0	1.82	13
180970073	2012	8	18	6	V	0.4	0	1.72	9
180970073	2012	8	18	7	V	1.0	0	1.35	2
180970073	2012	8	18	8	V	0.6	0	2.13	37
180970073	2012	8	18	9	V	0.6	0	1.65	40
180970073	2012	8	18	10	V	1.3	0	0.99	360
180970073	2012	8	18	11	V	1.1	0	1.3	289
180970073	2012	8	18	12	V	0.3	0	2.25	353
180970073	2012	8	18	13	V	0.1	0	2.84	332
180970073	2012	8	18	14	V	0.2	0	2.74	293
180970073	2012	8	18	15	V	0.1	0	2.76	299
180970073	2012	8	18	16	V	0.08	0	2.84	304
180970073	2012	8	18	17	V	0.04	0	2.69	317
180970073	2012	8	18	18	V	0.04	0	2.98	311
180970073	2012	8	18	19	V	0.04	0	3.47	342
180970073	2012	8	18	20	V	0.04	0	3.17	359
180970073	2012	8	18	21	V	0.07	0	2.08	5
180970073	2012	8	18	22	V	0.04	0	2.74	11
180970073	2012	8	18	23	V	0.06	-999	1.98	6
180970073	2012	8	18	24	V	0.2	0	1.26	345
180970073	2012	8	19	1	V	0.2	0	1.3	332
180970073	2012	8	19	2	V	0.1	0	1.52	8
180970073	2012	8	19	3	V	0.04	0	2.25	12
180970073	2012	8	19	4	V	0.03	0	2.69	19
180970073	2012	8	19	5	V	0.04	0	2.66	26
180970073	2012	8	19	6	V	0.1	0	2.35	14
180970073	2012	8	19	7	V	0.8	0	1.47	308
180970073	2012	8	19	8	V	0.7	0.1	1.65	8
180970073	2012	8	19	9	V	0.8	0.7	1.69	37
180970073	2012	8	19	10	V	0.5	1	1.79	18

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	19	11	V	0.1	0	3.27	358
180970073	2012	8	19	12	V	0.05	0	4.19	356
180970073	2012	8	19	13	V	0.04	0	4.39	351
180970073	2012	8	19	14	V	0.04	0	4.29	352
180970073	2012	8	19	15	V	0.02	0	4.92	336
180970073	2012	8	19	16	V	0.02	0	4.32	349
180970073	2012	8	19	17	V	0.02	0	3.63	351
180970073	2012	8	19	18	V	0.05	0	3.42	337
180970073	2012	8	19	19	V	0.04	0	3.61	312
180970073	2012	8	19	20	V	0.04	0	4.63	319
180970073	2012	8	19	21	V	0.04	0	4.05	336
180970073	2012	8	19	22	V	0.04	0	3.59	328
180970073	2012	8	19	23	V	0.03	0	3.44	332
180970073	2012	8	19	24	V	0.03	0	2.64	343
180970073	2012	8	20	1	V	0.2	0	1.31	318
180970073	2012	8	20	2	V	0.1	0	1.45	352
180970073	2012	8	20	3	V	0.1	0	1.7	313
180970073	2012	8	20	4	V	0.09	0	1.77	311
180970073	2012	8	20	5	V	0.04	0	2.39	303
180970073	2012	8	20	6	V	0.3	0	2.32	303
180970073	2012	8	20	7	V	0.6	0	1.81	332
180970073	2012	8	20	8	V	3.6	0	0.91	316
180970073	2012	8	20	9	V	3.5	0	0.86	260
180970073	2012	8	20	10	V	7.3	0	2.32	242
180970073	2012	8	20	11	V	2.2	1.7	2.16	260
180970073	2012	8	20	12	V	1.1	1.7	2.06	270
180970073	2012	8	20	13	V	0.4	0.4	2.32	280
180970073	2012	8	20	14	V	2.4	0	3.08	251
180970073	2012	8	20	15	V	0.1	1.2	3.12	276
180970073	2012	8	20	16	V	3.9	1.4	2.32	247
180970073	2012	8	20	17	V	6.3	0	2.64	237
180970073	2012	8	20	18	V	8.2	0.8	3.32	253
180970073	2012	8	20	19	V	0.4	1.3	4.29	264
180970073	2012	8	20	20	V	0.04	0	4.9	328
180970073	2012	8	20	21	V	0.04	0	6.96	355
180970073	2012	8	20	22	V	0.03	0	4.85	27
180970073	2012	8	20	23	V	0.03	0	3.12	45
180970073	2012	8	20	24	V	0.07	0	1.67	72
180970073	2012	8	21	1	V	0.03	0	2.78	155
180970073	2012	8	21	2	V	0.08	0	1.77	141
180970073	2012	8	21	3	V	0.3	0	1.2	91
180970073	2012	8	21	4	V	0.1	0	1.62	43
180970073	2012	8	21	5	V	0.04	0	2.32	27
180970073	2012	8	21	6	V	0.5	0	1.57	7
180970073	2012	8	21	7	V	1.0	0	1.3	11
180970073	2012	8	21	8	V	3.0	0	0.8	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	21	9	V	2.0	0	0.97	60
180970073	2012	8	21	10	V	1.3	5.1	0.97	311
180970073	2012	8	21	11	V	0.6	3.5	1.26	273
180970073	2012	8	21	12	V	0.6	2	1.18	288
180970073	2012	8	21	13	V	0.3	0	1.77	309
180970073	2012	8	21	14	V	0.2	0	2.04	339
180970073	2012	8	21	15	V	0.07	0	2.74	326
180970073	2012	8	21	16	V	0.07	0	2.64	360
180970073	2012	8	21	17	V	0.03	0	3.32	316
180970073	2012	8	21	18	V	0.04	0	3.29	322
180970073	2012	8	21	19	V	0.03	0	3.4	334
180970073	2012	8	21	20	V	0.03	0	3.54	18
180970073	2012	8	21	21	V	0.05	0	2.42	39
180970073	2012	8	21	22	V	0.06	0	1.99	50
180970073	2012	8	21	23	V	0.2	0	1.38	28
180970073	2012	8	21	24	V	0.9	0	0.75	22
180970073	2012	8	22	1	V	1.1	0	0.62	22
180970073	2012	8	22	2	V	1.0	0	0.7	14
180970073	2012	8	22	3	V	0.4	0	1.04	48
180970073	2012	8	22	4	V	0.3	0	1.2	51
180970073	2012	8	22	5	V	0.2	0	1.43	30
180970073	2012	8	22	6	V	0.7	0	1.33	31
180970073	2012	8	22	7	V	0.6	0	1.64	68
180970073	2012	8	22	8	V	0.7	0.1	1.79	108
180970073	2012	8	22	9	V	0.5	1.6	1.91	120
180970073	2012	8	22	10	V	0.8	0.5	1.71	121
180970073	2012	8	22	11	V	0.4	0	2.16	152
180970073	2012	8	22	12	V	0.5	0	1.93	164
180970073	2012	8	22	13	V	0.4	0	1.99	160
180970073	2012	8	22	14	V	0.2	0	2.62	168
180970073	2012	8	22	15	V	0.1	0	2.72	192
180970073	2012	8	22	16	V	0.2	0	2.23	135
180970073	2012	8	22	17	V	0.1	0	1.74	184
180970073	2012	8	22	18	V	0.2	0	1.45	184
180970073	2012	8	22	19	V	1.4	0	1.31	219
180970073	2012	8	22	20	V	0.6	0	1.06	325
180970073	2012	8	22	21	V	0.04	0	2.84	160
180970073	2012	8	22	22	V	0.03	0	3.71	160
180970073	2012	8	22	23	V	1.6	0	1.26	264
180970073	2012	8	22	24	V	0.5	0	0.87	53
180970073	2012	8	23	1	V	0.2	0	1.43	51
180970073	2012	8	23	2	V	0.07	0	1.99	91
180970073	2012	8	23	3	V	0.05	0	2.28	100
180970073	2012	8	23	4	V	0.2	0	1.4	75
180970073	2012	8	23	5	V	0.2	0	1.43	69
180970073	2012	8	23	6	V	1.0	0	1.37	99

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	23	7	V	0.8	0	1.87	104
180970073	2012	8	23	8	V	1.2	1	1.72	114
180970073	2012	8	23	9	V	1.2	1.3	1.86	116
180970073	2012	8	23	10	V	0.8	3.5	1.96	167
180970073	2012	8	23	11	V	1.2	3.6	1.96	202
180970073	2012	8	23	12	V	6.8	1.1	1.93	230
180970073	2012	8	23	13	V	3.6	0.9	1.69	216
180970073	2012	8	23	14	V	5.9	0.8	1.81	238
180970073	2012	8	23	15	V	0.1	0.6	2.83	164
180970073	2012	8	23	16	V	0.1	0.2	2.73	181
180970073	2012	8	23	17	V	0.06	0	2.71	180
180970073	2012	8	23	18	V	0.08	0	1.96	147
180970073	2012	8	23	19	V	0.07	0	2.21	149
180970073	2012	8	23	20	V	0.07	0	2.15	162
180970073	2012	8	23	21	V	0.07	0	2.25	152
180970073	2012	8	23	22	V	0.07	0	2.23	122
180970073	2012	8	23	23	V	0.1	0	1.67	82
180970073	2012	8	23	24	V	0.04	0	2.91	80
180970073	2012	8	24	1	V	0.04	0	3.03	106
180970073	2012	8	24	2	V	0.06	0	2.27	126
180970073	2012	8	24	3	V	0.09	0	1.86	109
180970073	2012	8	24	4	V	0.07	0	2.05	107
180970073	2012	8	24	5	V	0.1	0	1.64	126
180970073	2012	8	24	6	V	0.9	0	1.55	128
180970073	2012	8	24	7	V	0.3	0	2.67	109
180970073	2012	8	24	8	V	0.7	0.2	1.96	113
180970073	2012	8	24	9	V	0.4	0.9	2.42	141
180970073	2012	8	24	10	V	0.3	1.4	2.67	177
180970073	2012	8	24	11	V	0.3	0.2	2.35	182
180970073	2012	8	24	12	V	0.2	0	2.84	169
180970073	2012	8	24	13	V	0.09	0	3.47	151
180970073	2012	8	24	14	V	0.07	0	3.75	154
180970073	2012	8	24	15	V	0.07	0	3.35	152
180970073	2012	8	24	16	V	0.03	0	4.24	136
180970073	2012	8	24	17	V	0.02	0	3.98	154
180970073	2012	8	24	18	V	0.04	0	3.78	136
180970073	2012	8	24	19	V	0.04	0	3.22	156
180970073	2012	8	24	20	V	0.05	0	2.44	126
180970073	2012	8	24	21	V	0.05	0	2.54	103
180970073	2012	8	24	22	V	0.04	0	2.62	111
180970073	2012	8	24	23	V	0.03	0	3.08	121
180970073	2012	8	24	24	V	0.03	1	4.2	135
180970073	2012	8	25	1	V	0.03	0.5	4.39	140
180970073	2012	8	25	2	V	0.03	0	3.52	145
180970073	2012	8	25	3	V	0.03	0	2.66	143
180970073	2012	8	25	4	V	0.07	0	1.82	167

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	25	5	V	0.9	0	0.72	161
180970073	2012	8	25	6	V	0.7	0	1.37	120
180970073	2012	8	25	7	V	0.5	0	1.82	150
180970073	2012	8	25	8	V	1.1	0	1.38	172
180970073	2012	8	25	9	V	1.5	5.4	1.16	112
180970073	2012	8	25	10	V	1.1	8.9	1.38	118
180970073	2012	8	25	11	V	1.7	3.6	0.96	101
180970073	2012	8	25	12	V	0.9	1.5	1.35	158
180970073	2012	8	25	13	V	0.5	1	2.64	203
180970073	2012	8	25	14	V	0.1	0.4	2.98	188
180970073	2012	8	25	15	V	0.1	0	2.61	169
180970073	2012	8	25	16	V	0.03	0	4.41	198
180970073	2012	8	25	17	V	0.02	0	3.85	189
180970073	2012	8	25	18	V	0.04	0	3.08	217
180970073	2012	8	25	19	V	0.04	0	2.73	204
180970073	2012	8	25	20	V	0.03	0	3.05	196
180970073	2012	8	25	21	V	0.06	0	2.32	200
180970073	2012	8	25	22	V	0.08	0	1.91	190
180970073	2012	8	25	23	V	0.08	-999	1.77	145
180970073	2012	8	25	24	V	0.3	0	1.13	148
180970073	2012	8	26	1	V	0.02	0	3.51	142
180970073	2012	8	26	2	V	0.02	0	3.12	161
180970073	2012	8	26	3	V	0.07	0	1.81	184
180970073	2012	8	26	4	V	0.2	0	1.26	203
180970073	2012	8	26	5	V	9.1	0	1.01	254
180970073	2012	8	26	6	V	0.5	0	1.7	161
180970073	2012	8	26	7	V	0.3	0	2.22	145
180970073	2012	8	26	8	V	0.2	0	2.66	171
180970073	2012	8	26	9	V	0.1	0.2	3.22	208
180970073	2012	8	26	10	V	0.07	0.8	4.2	200
180970073	2012	8	26	11	V	0.03	0.5	5.36	197
180970073	2012	8	26	12	V	0.05	0	5.17	210
180970073	2012	8	26	13	V	0.06	0	5.04	208
180970073	2012	8	26	14	V	0.07	0	4.56	198
180970073	2012	8	26	15	V	1.8	0	5.7	245
180970073	2012	8	26	16	V	0.6	0	3.3	264
180970073	2012	8	26	17	V	15.4	12.4	2.96	235
180970073	2012	8	26	18	V	0.05	2.8	3.15	211
180970073	2012	8	26	19	V	0.05	11.8	3.32	203
180970073	2012	8	26	20	V	0.05	0.8	2.45	182
180970073	2012	8	26	21	V	0.05	0	3.25	183
180970073	2012	8	26	22	V	0.04	0	3.78	173
180970073	2012	8	26	23	V	0.04	0.4	4.59	171
180970073	2012	8	26	24	V	0.04	2.1	4.31	187
180970073	2012	8	27	1	V	0.04	2.4	4.77	196
180970073	2012	8	27	2	V	0.03	0.9	4.99	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	27	3	V	0.03	1.1	5.39	200
180970073	2012	8	27	4	V	0.03	1.2	4.66	204
180970073	2012	8	27	5	V	11.7	1	3.78	229
180970073	2012	8	27	6	V	3.5	3.7	3.83	257
180970073	2012	8	27	7	V	4.4	0.5	5.17	226
180970073	2012	8	27	8	V	0.03	0	5.28	197
180970073	2012	8	27	9	V	0.7	0	4.85	221
180970073	2012	8	27	10	V	0.5	0	5.43	221
180970073	2012	8	27	11	V	2.6	2.4	5.28	247
180970073	2012	8	27	12	V	0.09	0.9	3.75	309
180970073	2012	8	27	13	V	0.2	0.2	2.83	323
180970073	2012	8	27	14	V	0.09	0	3.47	343
180970073	2012	8	27	15	V	0.05	0	4.44	350
180970073	2012	8	27	16	V	0.05	0	4.1	344
180970073	2012	8	27	17	V	0.02	0	4.8	340
180970073	2012	8	27	18	V	0.04	0	5.51	346
180970073	2012	8	27	19	V	0.04	0	5.46	356
180970073	2012	8	27	20	V	0.03	0	5.33	354
180970073	2012	8	27	21	V	0.03	0	4.19	355
180970073	2012	8	27	22	V	0.02	0	3.03	354
180970073	2012	8	27	23	V	0.07	0	1.84	340
180970073	2012	8	27	24	V	0.04	0	2.59	326
180970073	2012	8	28	1	V	0.05	0	2.1	336
180970073	2012	8	28	2	V	0.04	0	2.3	343
180970073	2012	8	28	3	V	0.04	0	2.27	344
180970073	2012	8	28	4	V	0.04	0	2.5	335
180970073	2012	8	28	5	V	0.03	0	2.86	324
180970073	2012	8	28	6	V	0.09	0	3.52	333
180970073	2012	8	28	7	V	0.1	0	3.42	338
180970073	2012	8	28	8	V	0.2	0.2	3.63	5
180970073	2012	8	28	9	V	0.1	0.1	3.41	27
180970073	2012	8	28	10	V	0.08	0	3.37	21
180970073	2012	8	28	11	V	0.05	0	4.19	31
180970073	2012	8	28	12	V	0.03	0	4.7	21
180970073	2012	8	28	13	V	0.03	-999	5.19	18
180970073	2012	8	28	14	V	0.03	0.5	4.9	37
180970073	2012	8	28	15	V	0.02	0.5	5.12	28
180970073	2012	8	28	16	V	0.02	0.4	5.5	34
180970073	2012	8	28	17	V	0.01	0.3	4.87	40
180970073	2012	8	28	18	V	0.04	0.5	5.16	22
180970073	2012	8	28	19	V	0.04	0.4	5	26
180970073	2012	8	28	20	V	0.03	0.5	3.56	30
180970073	2012	8	28	21	V	0.03	0.5	2.76	32
180970073	2012	8	28	22	V	0.04	0.6	2.59	23
180970073	2012	8	28	23	V	0.05	-999	2.28	19
180970073	2012	8	28	24	V	0.05	-999	2.15	47

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	29	1	V	0.06	0	1.98	32
180970073	2012	8	29	2	V	0.2	0	1.25	10
180970073	2012	8	29	3	V	0.04	0	2.49	29
180970073	2012	8	29	4	V	0.03	0	3	32
180970073	2012	8	29	5	V	0.03	0	2.69	25
180970073	2012	8	29	6	V	0.4	0	1.79	28
180970073	2012	8	29	7	V	0.7	0	1.67	36
180970073	2012	8	29	8	V	1.5	0.3	1.26	26
180970073	2012	8	29	9	V	2.3	0.5	0.92	89
180970073	2012	8	29	10	V	2.2	0.6	0.84	170
180970073	2012	8	29	11	V	1.6	0	1.04	253
180970073	2012	8	29	12	V	0.7	0	1.54	292
180970073	2012	8	29	13	V	0.1	0	3.1	326
180970073	2012	8	29	14	V	0.3	0	2.04	341
180970073	2012	8	29	15	V	0.2	0	2.28	45
180970073	2012	8	29	16	V	0.2	0	2.13	350
180970073	2012	8	29	17	V	0.03	0	2.49	10
180970073	2012	8	29	18	V	0.04	0	3.07	56
180970073	2012	8	29	19	V	0.03	0	3.52	85
180970073	2012	8	29	20	V	0.03	0	3.34	86
180970073	2012	8	29	21	V	0.03	0	2.89	69
180970073	2012	8	29	22	V	0.02	0	3.83	70
180970073	2012	8	29	23	V	0.02	0	3.59	75
180970073	2012	8	29	24	V	0.02	0	3.41	78
180970073	2012	8	30	1	V	0.02	0	3.61	84
180970073	2012	8	30	2	V	0.03	0	2.91	83
180970073	2012	8	30	3	V	0.04	0	2.44	96
180970073	2012	8	30	4	V	0.04	0	2.38	108
180970073	2012	8	30	5	V	0.03	0	2.79	99
180970073	2012	8	30	6	V	0.2	0.4	2.69	108
180970073	2012	8	30	7	V	0.4	2.1	1.98	109
180970073	2012	8	30	8	V	0.6	5	1.99	110
180970073	2012	8	30	9	V	0.2	7.9	3.08	126
180970073	2012	8	30	10	V	0.07	3.8	3.93	141
180970073	2012	8	30	11	V	0.07	2.9	4.15	141
180970073	2012	8	30	12	V	0.07	2.7	4.09	136
180970073	2012	8	30	13	V	0.06	3.1	4.02	136
180970073	2012	8	30	14	V	0.05	2.5	4.37	160
180970073	2012	8	30	15	V	0.03	1.7	4.82	156
180970073	2012	8	30	16	V	0.03	1	4.54	153
180970073	2012	8	30	17	V	0.04	0.6	2.96	154
180970073	2012	8	30	18	V	0.09	0.6	1.77	161
180970073	2012	8	30	19	V	0.06	0.5	2.32	146
180970073	2012	8	30	20	V	0.06	0.4	2.32	136
180970073	2012	8	30	21	V	0.09	0.4	1.93	115
180970073	2012	8	30	22	V	0.04	0.4	2.62	137

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	8	30	23	V	0.4	0.5	1.03	187
180970073	2012	8	30	24	V	0.5	0.7	0.92	140
180970073	2012	8	31	1	V	0.04	1.5	2.45	163
180970073	2012	8	31	2	V	0.03	1.9	3.01	197
180970073	2012	8	31	3	V	1.9	0.9	2.42	225
180970073	2012	8	31	4	V	0.02	1.8	3.32	217
180970073	2012	8	31	5	V	0.03	1	3.78	209
180970073	2012	8	31	6	V	0.1	0.7	3.46	209
180970073	2012	8	31	7	V	0.3	0.6	2.44	194
180970073	2012	8	31	8	V	0.4	1.3	2.64	179
180970073	2012	8	31	9	V	0.07	0.7	4.09	205
180970073	2012	8	31	10	V	0.1	0.4	5.29	215
180970073	2012	8	31	11	V	0.4	1.7	5.05	218
180970073	2012	8	31	12	V	0.2	6.9	3.22	207
180970073	2012	8	31	13	V	0.09	3.1	3.73	207
180970073	2012	8	31	14	V	0.9	0.7	3.39	217
180970073	2012	8	31	15	V	0.1	0	2.88	193
180970073	2012	8	31	16	V	0.1	0	2.93	149
180970073	2012	8	31	17	V	0.04	0.1	3.66	157
180970073	2012	8	31	18	V	0.04	0.1	4.85	180
180970073	2012	8	31	19	V	0.03	0	3.93	181
180970073	2012	8	31	20	V	0.03	0	3.54	159
180970073	2012	8	31	21	V	0.03	0	4.05	150
180970073	2012	8	31	22	V	0.03	0	4.08	156
180970073	2012	8	31	23	V	0.03	0.1	3.4	163
180970073	2012	8	31	24	V	0.03	0.4	3.25	167
180970073	2012	9	1	1	V	0.03	0	3.22	176
180970073	2012	9	1	2	V	0.04	0	2.49	156
180970073	2012	9	1	3	V	0.04	0	2.3	150
180970073	2012	9	1	4	V	0.03	0	2.69	108
180970073	2012	9	1	5	V	0.03	0	3.05	102
180970073	2012	9	1	6	V	0.1	0	3.18	107
180970073	2012	9	1	7	V	0.1	0	3.27	117
180970073	2012	9	1	8	V	0.1	0	3.83	127
180970073	2012	9	1	9	V	0.07	0.2	4.36	140
180970073	2012	9	1	10	V	0.1	0.1	3.75	152
180970073	2012	9	1	11	V	0.07	0.1	4.02	167
180970073	2012	9	1	12	V	0.06	0	4.19	168
180970073	2012	9	1	13	V	0.1	0	3.69	163
180970073	2012	9	1	14	V	0.3	0	1.86	179
180970073	2012	9	1	15	V	0.08	0	3.05	157
180970073	2012	9	1	16	V	0.03	0	4.05	124
180970073	2012	9	1	17	V	0.01	0	3.9	99
180970073	2012	9	1	18	V	0.05	0	3.47	110
180970073	2012	9	1	19	V	0.04	0	4.05	115
180970073	2012	9	1	20	V	0.05	0	3.86	116

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	1	21	V	0.04	0	4.93	117
180970073	2012	9	1	22	V	0.04	0	5.16	117
180970073	2012	9	1	23	V	0.04	-999	5.36	122
180970073	2012	9	1	24	V	0.03	0.1	5.92	123
180970073	2012	9	2	1	V	0.04	0.5	5.36	124
180970073	2012	9	2	2	V	0.03	0.5	5.21	145
180970073	2012	9	2	3	V	0.03	0	4.37	131
180970073	2012	9	2	4	V	0.03	0.1	4.12	112
180970073	2012	9	2	5	V	0.03	0.2	4.7	128
180970073	2012	9	2	6	V	0.05	0	4.2	119
180970073	2012	9	2	7	V	0.04	0	4.8	105
180970073	2012	9	2	8	V	0.02	0	6.43	105
180970073	2012	9	2	9	V	0.02	0.3	6.01	108
180970073	2012	9	2	10	V	0.01	0.6	6.98	112
180970073	2012	9	2	11	V	0.01	0.2	7.31	106
180970073	2012	9	2	12	V	0.01	0	7.43	107
180970073	2012	9	2	13	V	0.02	0	6.53	110
180970073	2012	9	2	14	V	0.03	0	5.51	100
180970073	2012	9	2	15	V	0.02	0	6.28	113
180970073	2012	9	2	16	V	0.02	0	5.02	114
180970073	2012	9	2	17	V	0.07	0	4.52	122
180970073	2012	9	2	18	V	0.04	0	3.9	82
180970073	2012	9	2	19	V	0.04	0	4.53	105
180970073	2012	9	2	20	V	0.04	0	4.29	88
180970073	2012	9	2	21	V	0.04	0	3.93	79
180970073	2012	9	2	22	V	0.04	0	4.49	66
180970073	2012	9	2	23	V	0.04	0	4.71	78
180970073	2012	9	2	24	V	0.03	0	5.1	96
180970073	2012	9	3	1	V	0.03	0	4.17	90
180970073	2012	9	3	2	V	0.03	0	4.46	77
180970073	2012	9	3	3	V	0.03	0	4.15	74
180970073	2012	9	3	4	V	0.03	0	3.97	60
180970073	2012	9	3	5	V	0.03	0	3.92	61
180970073	2012	9	3	6	V	0.08	0	3.47	63
180970073	2012	9	3	7	V	0.1	0	3.17	57
180970073	2012	9	3	8	V	0.2	0	3.12	35
180970073	2012	9	3	9	V	0.1	0	2.95	53
180970073	2012	9	3	10	V	0.1	0	3.08	81
180970073	2012	9	3	11	V	0.2	0	2.35	86
180970073	2012	9	3	12	V	0.2	0	2.74	45
180970073	2012	9	3	13	V	0.1	0.2	3.17	54
180970073	2012	9	3	14	V	0.1	0	3.42	33
180970073	2012	9	3	15	V	0.07	0	3.63	22
180970073	2012	9	3	16	V	0.07	0	3.22	30
180970073	2012	9	3	17	V	0.02	0	2.88	15
180970073	2012	9	3	18	V	0.04	0	3.24	28

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	3	19	V	0.04	0	3.08	35
180970073	2012	9	3	20	V	0.07	0	2.32	19
180970073	2012	9	3	21	V	0.05	0	2.64	25
180970073	2012	9	3	22	V	0.05	0	2.66	22
180970073	2012	9	3	23	V	0.04	0	2.67	71
180970073	2012	9	3	24	V	0.04	0	2.39	62
180970073	2012	9	4	1	V	0.05	0	2.23	55
180970073	2012	9	4	2	V	0.1	0	1.54	76
180970073	2012	9	4	3	V	0.2	0	1.18	334
180970073	2012	9	4	4	V	0.3	0	1.08	105
180970073	2012	9	4	5	V	0.2	0	1.37	193
180970073	2012	9	4	6	V	0.3	0	1.71	298
180970073	2012	9	4	7	V	1.4	0.6	0.97	324
180970073	2012	9	4	8	V	0.6	0.9	1.57	355
180970073	2012	9	4	9	V	0.6	1	1.69	357
180970073	2012	9	4	10	V	2.4	1	1.18	34
180970073	2012	9	4	11	V	1.7	0.1	1.16	290
180970073	2012	9	4	12	V	0.5	0	1.86	305
180970073	2012	9	4	13	V	0.6	0	1.89	298
180970073	2012	9	4	14	V	1.0	0	1.4	294
180970073	2012	9	4	15	V	0.6	0	2.28	270
180970073	2012	9	4	16	V	5.7	0	2.55	243
180970073	2012	9	4	17	V	2.3	0	2.3	248
180970073	2012	9	4	18	V	12.0	0	2.23	250
180970073	2012	9	4	19	V	0.08	0	2.16	275
180970073	2012	9	4	20	V	5.8	0	2.74	240
180970073	2012	9	4	21	V	14.8	0	2.73	228
180970073	2012	9	4	22	V	11.0	0	2.52	253
180970073	2012	9	4	23	V	0.08	0	1.88	306
180970073	2012	9	4	24	V	0.2	0	1.47	4
180970073	2012	9	5	1	C	-999	0	0	0
180970073	2012	9	5	2	C	-999	0	0	0
180970073	2012	9	5	3	C	-999	0	0	0
180970073	2012	9	5	4	V	0.04	0	2.36	82
180970073	2012	9	5	5	V	0.09	0	1.76	105
180970073	2012	9	5	6	V	0.9	0	1.76	210
180970073	2012	9	5	7	C	-999	0	0	0
180970073	2012	9	5	8	V	0.3	0	2.36	202
180970073	2012	9	5	9	V	0.1	0	3.46	194
180970073	2012	9	5	10	V	0.1	0	3.05	194
180970073	2012	9	5	11	V	16.1	0.1	3.05	235
180970073	2012	9	5	12	V	0.01	0.8	7.45	328
180970073	2012	9	5	13	V	0.1	0	2.98	26
180970073	2012	9	5	14	V	0.02	0	5.26	181
180970073	2012	9	5	15	V	0.04	0	4.19	117
180970073	2012	9	5	16	V	0.03	0	4.41	107

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	5	17	V	0.02	0	3.2	173
180970073	2012	9	5	18	V	0.04	0	2.64	152
180970073	2012	9	5	19	V	0.04	0	3.08	133
180970073	2012	9	5	20	V	0.06	0	2.35	197
180970073	2012	9	5	21	V	3.3	0	3.07	240
180970073	2012	9	5	22	V	8.2	0	3.7	249
180970073	2012	9	5	23	V	9.9	0	3.63	251
180970073	2012	9	5	24	V	17.5	0	2.42	230
180970073	2012	9	6	1	V	0.04	0	2.49	217
180970073	2012	9	6	2	V	0.06	0	2.52	220
180970073	2012	9	6	3	V	0.05	0	2.32	216
180970073	2012	9	6	4	V	0.3	0	2.3	222
180970073	2012	9	6	5	V	0.04	0	2.32	198
180970073	2012	9	6	6	V	0.1	0	2.23	198
180970073	2012	9	6	7	V	14.8	0	1.84	226
180970073	2012	9	6	8	V	16.2	0.5	1.91	226
180970073	2012	9	6	9	V	14.2	2.1	2.38	225
180970073	2012	9	6	10	V	0.8	4.5	2.5	204
180970073	2012	9	6	11	V	1.1	7.4	2.16	204
180970073	2012	9	6	12	V	2.2	6.5	1.86	206
180970073	2012	9	6	13	V	7.1	7.3	2.16	222
180970073	2012	9	6	14	V	0.2	10.8	3.05	205
180970073	2012	9	6	15	V	0.06	10.1	4.02	209
180970073	2012	9	6	16	V	0.03	4.4	4.8	200
180970073	2012	9	6	17	V	0.01	3.8	4.68	203
180970073	2012	9	6	18	V	0.04	1.3	4.46	207
180970073	2012	9	6	19	V	0.04	0.1	4.22	208
180970073	2012	9	6	20	V	0.05	0	3.83	206
180970073	2012	9	6	21	V	0.04	0	3.07	186
180970073	2012	9	6	22	V	0.06	0	2.15	161
180970073	2012	9	6	23	V	0.1	0	2.1	220
180970073	2012	9	6	24	V	4.1	0	2.86	239
180970073	2012	9	7	1	V	0.1	0	2.69	222
180970073	2012	9	7	2	V	0.05	0	2.25	202
180970073	2012	9	7	3	V	0.09	0	1.84	216
180970073	2012	9	7	4	V	4.2	0	0.69	220
180970073	2012	9	7	5	V	0.1	0	1.72	127
180970073	2012	9	7	6	V	0.2	0	3.08	143
180970073	2012	9	7	7	V	0.4	0	2.52	152
180970073	2012	9	7	8	V	0.8	0	2.22	171
180970073	2012	9	7	9	V	0.4	0	2.84	175
180970073	2012	9	7	10	V	0.2	0.1	3.54	200
180970073	2012	9	7	11	V	0.1	0.6	3.73	195
180970073	2012	9	7	12	V	13.2	1	5.07	228
180970073	2012	9	7	13	V	0.09	4.1	4.32	281
180970073	2012	9	7	14	V	0.5	2.3	1.67	292

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	7	15	V	0.08	4.1	3.8	334
180970073	2012	9	7	16	V	0.1	0.9	2.9	39
180970073	2012	9	7	17	V	0.07	0.6	4.34	32
180970073	2012	9	7	18	V	0.05	0	4.78	83
180970073	2012	9	7	19	V	0.05	0	3.86	110
180970073	2012	9	7	20	V	0.04	0	6.06	62
180970073	2012	9	7	21	V	0.04	0	8.66	359
180970073	2012	9	7	22	V	0.04	0	4.1	70
180970073	2012	9	7	23	V	0.03	0	3.08	69
180970073	2012	9	7	24	V	0.03	0	1.81	340
180970073	2012	9	8	1	V	0.01	0	2.76	272
180970073	2012	9	8	2	V	0.01	0	6.01	318
180970073	2012	9	8	3	V	0.01	0	6.24	333
180970073	2012	9	8	4	V	0.01	0	6.57	342
180970073	2012	9	8	5	V	0.01	0	4.7	335
180970073	2012	9	8	6	V	0.01	0	5.44	331
180970073	2012	9	8	7	V	0.02	0	4.73	322
180970073	2012	9	8	8	V	0.01	0	5.17	311
180970073	2012	9	8	9	V	0.01	0	5.9	319
180970073	2012	9	8	10	V	0.01	0	5.58	325
180970073	2012	9	8	11	V	0.01	0	6.04	318
180970073	2012	9	8	12	V	0.01	0	5.43	314
180970073	2012	9	8	13	V	0.01	0	5.04	302
180970073	2012	9	8	14	V	0.01	0	4.63	289
180970073	2012	9	8	15	V	0.004	0	5.6	284
180970073	2012	9	8	16	V	0.004	0	5.6	279
180970073	2012	9	8	17	V	0.01	0	5.63	280
180970073	2012	9	8	18	V	0.01	0	6.01	273
180970073	2012	9	8	19	V	0.01	0	4.27	273
180970073	2012	9	8	20	V	2.4	0	3.64	258
180970073	2012	9	8	21	V	2.5	0	3.44	245
180970073	2012	9	8	22	V	12.2	0	2.96	251
180970073	2012	9	8	23	V	1.1	-999	3.74	243
180970073	2012	9	8	24	V	0.3	0	2.95	240
180970073	2012	9	9	1	V	0.2	0	2.98	226
180970073	2012	9	9	2	V	0.3	0	3.12	238
180970073	2012	9	9	3	V	2.9	0	2.91	245
180970073	2012	9	9	4	V	0.4	0.1	3.64	230
180970073	2012	9	9	5	V	0.01	0	2.93	215
180970073	2012	9	9	6	V	0.05	0.2	2.86	173
180970073	2012	9	9	7	V	0.07	0	2.64	213
180970073	2012	9	9	8	V	2.1	0.7	2.96	239
180970073	2012	9	9	9	V	0.04	2.2	3.4	287
180970073	2012	9	9	10	V	0.05	0.3	3.15	317
180970073	2012	9	9	11	V	0.02	0.2	4.03	333
180970073	2012	9	9	12	V	0.01	0.3	5.55	5

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	9	13	V	0.01	0	5.62	16
180970073	2012	9	9	14	V	0.01	0	5.31	2
180970073	2012	9	9	15	V	0.01	0	4.95	353
180970073	2012	9	9	16	V	0.005	0	4.87	358
180970073	2012	9	9	17	V	0.01	0	5.26	357
180970073	2012	9	9	18	V	0.01	0	5.79	329
180970073	2012	9	9	19	V	0.01	0	4.78	332
180970073	2012	9	9	20	V	0.01	0	4.44	355
180970073	2012	9	9	21	V	0.01	0	3.42	339
180970073	2012	9	9	22	V	0.01	0	4.76	338
180970073	2012	9	9	23	V	0.01	0	5.07	358
180970073	2012	9	9	24	V	0.01	0	4.1	2
180970073	2012	9	10	1	V	0.01	0	3.66	13
180970073	2012	9	10	2	V	0.03	0	2.13	351
180970073	2012	9	10	3	V	0.05	0	1.96	329
180970073	2012	9	10	4	V	0.08	0	1.55	340
180970073	2012	9	10	5	V	0.4	0	0.96	297
180970073	2012	9	10	6	V	0.3	0	1.52	343
180970073	2012	9	10	7	V	0.5	0	1.99	360
180970073	2012	9	10	8	V	0.5	0	2.33	29
180970073	2012	9	10	9	V	0.5	0.1	2.01	56
180970073	2012	9	10	10	V	1.3	-999	1.33	93
180970073	2012	9	10	11	V	0.9	-999	1.53	129
180970073	2012	9	10	12	V	0.4	0	2.11	149
180970073	2012	9	10	13	V	0.5	0	1.82	130
180970073	2012	9	10	14	V	0.5	0	1.79	123
180970073	2012	9	10	15	V	0.2	0	2.27	195
180970073	2012	9	10	16	V	0.1	0	2.15	176
180970073	2012	9	10	17	V	0.07	0	1.89	189
180970073	2012	9	10	18	V	0.08	0	2.1	195
180970073	2012	9	10	19	V	0.07	0	2.3	209
180970073	2012	9	10	20	V	0.1	0	2.03	212
180970073	2012	9	10	21	V	0.2	0	1.6	195
180970073	2012	9	10	22	V	1.4	0	0.65	204
180970073	2012	9	10	23	V	0.2	0	1.45	149
180970073	2012	9	10	24	V	0.2	0	1.48	139
180970073	2012	9	11	1	V	0.03	0	2.66	169
180970073	2012	9	11	2	V	0.09	0	1.74	170
180970073	2012	9	11	3	V	0.08	0	1.79	166
180970073	2012	9	11	4	V	0.07	0	1.99	143
180970073	2012	9	11	5	V	0.2	0.1	1.33	108
180970073	2012	9	11	6	V	0.4	0.1	1.67	108
180970073	2012	9	11	7	V	0.7	0.4	1.62	120
180970073	2012	9	11	8	V	0.6	1.2	1.94	138
180970073	2012	9	11	9	V	0.3	0.7	2.27	172
180970073	2012	9	11	10	V	0.04	0.4	4.37	178

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	11	11	V	0.04	3.1	4.63	176
180970073	2012	9	11	12	V	0.05	4.1	4.15	179
180970073	2012	9	11	13	V	0.06	2.3	3.8	187
180970073	2012	9	11	14	V	0.06	0.4	3.69	180
180970073	2012	9	11	15	V	0.06	0	3.44	174
180970073	2012	9	11	16	V	0.04	0	3.59	189
180970073	2012	9	11	17	V	0.04	0	4.15	188
180970073	2012	9	11	18	V	0.03	0	3.78	187
180970073	2012	9	11	19	V	0.03	0	3.27	175
180970073	2012	9	11	20	V	0.03	0	3.4	155
180970073	2012	9	11	21	V	0.03	0	3.64	154
180970073	2012	9	11	22	V	0.02	0	3.54	147
180970073	2012	9	11	23	V	0.02	0.1	4.34	160
180970073	2012	9	11	24	V	0.02	0.2	3.73	164
180970073	2012	9	12	1	V	0.02	0.1	3.35	161
180970073	2012	9	12	2	V	0.03	0	2.83	171
180970073	2012	9	12	3	V	0.05	0	2.08	152
180970073	2012	9	12	4	V	0.04	0	2.49	139
180970073	2012	9	12	5	V	0.07	0	1.96	121
180970073	2012	9	12	6	V	0.3	0	1.77	118
180970073	2012	9	12	7	V	0.5	0	1.94	140
180970073	2012	9	12	8	V	0.6	0.1	1.86	146
180970073	2012	9	12	9	V	0.5	0.1	2.32	175
180970073	2012	9	12	10	V	0.1	0.6	2.88	191
180970073	2012	9	12	11	V	0.1	2.8	4	205
180970073	2012	9	12	12	V	0.1	0.3	4.07	205
180970073	2012	9	12	13	V	0.2	0	5.33	213
180970073	2012	9	12	14	V	4.4	0	4.27	223
180970073	2012	9	12	15	V	0.03	0	5.09	204
180970073	2012	9	12	16	V	0.02	0	6.11	213
180970073	2012	9	12	17	V	0.06	0	4.56	210
180970073	2012	9	12	18	V	0.05	0	3.54	209
180970073	2012	9	12	19	V	0.04	0	3.81	190
180970073	2012	9	12	20	V	0.04	0	3.52	186
180970073	2012	9	12	21	V	0.04	0	3.37	177
180970073	2012	9	12	22	V	0.03	0	2.61	187
180970073	2012	9	12	23	V	0.04	0.1	3.68	178
180970073	2012	9	12	24	V	0.03	0.2	3.88	181
180970073	2012	9	13	1	V	0.03	0.1	3.46	171
180970073	2012	9	13	2	V	0.03	0	3.66	171
180970073	2012	9	13	3	V	0.03	0	2.62	185
180970073	2012	9	13	4	V	0.03	0	2.73	208
180970073	2012	9	13	5	V	0.05	0	2.15	218
180970073	2012	9	13	6	V	0.2	0	1.77	202
180970073	2012	9	13	7	V	0.5	0	1.76	181
180970073	2012	9	13	8	V	0.3	0.1	2.37	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	13	9	V	0.3	0.5	2.35	188
180970073	2012	9	13	10	V	0.2	2	3.07	158
180970073	2012	9	13	11	V	0.1	6	3.68	196
180970073	2012	9	13	12	V	0.09	2	3.73	204
180970073	2012	9	13	13	V	0.09	0.7	3.91	210
180970073	2012	9	13	14	V	0.1	2.5	4.05	213
180970073	2012	9	13	15	V	1.0	1.2	3.37	216
180970073	2012	9	13	16	V	0.7	0.2	3.71	217
180970073	2012	9	13	17	V	0.05	0	4.07	184
180970073	2012	9	13	18	V	0.03	0.2	4.1	194
180970073	2012	9	13	19	V	0.03	0.3	3.46	201
180970073	2012	9	13	20	V	0.03	0.3	3.56	184
180970073	2012	9	13	21	V	0.04	0.2	2.44	197
180970073	2012	9	13	22	V	4.3	0.1	1.91	225
180970073	2012	9	13	23	V	0.2	0.1	1.42	207
180970073	2012	9	13	24	V	0.4	0	1.88	263
180970073	2012	9	14	1	V	0.03	1.3	2.91	323
180970073	2012	9	14	2	V	0.03	0.3	4.29	336
180970073	2012	9	14	3	V	0.02	0	3.18	4
180970073	2012	9	14	4	V	0.03	0	3.15	11
180970073	2012	9	14	5	V	0.03	0	3.42	26
180970073	2012	9	14	6	V	0.06	0	3.54	12
180970073	2012	9	14	7	V	0.03	0	5.39	346
180970073	2012	9	14	8	V	0.04	0	5.29	356
180970073	2012	9	14	9	V	0.05	0	5.24	1
180970073	2012	9	14	10	V	0.06	0	5.05	5
180970073	2012	9	14	11	V	0.07	0	5.07	24
180970073	2012	9	14	12	V	0.05	0	5.24	22
180970073	2012	9	14	13	V	0.03	0	5.94	18
180970073	2012	9	14	14	V	0.02	0	6.7	33
180970073	2012	9	14	15	V	0.03	0	6.01	33
180970073	2012	9	14	16	V	0.04	0	5.04	37
180970073	2012	9	14	17	V	0.05	0	4.09	23
180970073	2012	9	14	18	V	0.04	0	3.46	30
180970073	2012	9	14	19	V	0.06	0	2.3	40
180970073	2012	9	14	20	V	0.4	0	1.23	40
180970073	2012	9	14	21	C	-999	0	0	0
180970073	2012	9	14	22	V	0.4	0	1.11	330
180970073	2012	9	14	23	V	0.3	0	1.28	323
180970073	2012	9	14	24	V	0.2	0	1.25	336
180970073	2012	9	15	1	V	0.09	0	1.45	328
180970073	2012	9	15	2	V	0.1	0	1.08	291
180970073	2012	9	15	3	V	0.03	0	1.62	302
180970073	2012	9	15	4	V	0.3	0	0.77	299
180970073	2012	9	15	5	V	9.5	0	1.11	250
180970073	2012	9	15	6	V	0.1	0	1.28	320

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	15	7	V	1.1	0	0.63	51
180970073	2012	9	15	8	V	0.4	0.1	1.08	99
180970073	2012	9	15	9	V	0.5	0	1.06	59
180970073	2012	9	15	10	V	0.2	0	1.5	121
180970073	2012	9	15	11	V	0.05	0	2.54	138
180970073	2012	9	15	12	V	0.05	0	2.25	132
180970073	2012	9	15	13	V	0.09	0	1.84	164
180970073	2012	9	15	14	V	0.05	0	2.01	135
180970073	2012	9	15	15	V	0.04	0	2.05	154
180970073	2012	9	15	16	V	0.02	0	2.15	127
180970073	2012	9	15	17	V	0.02	0	1.69	209
180970073	2012	9	15	18	V	1.6	0	1.42	240
180970073	2012	9	15	19	V	0.03	0	1.65	217
180970073	2012	9	15	20	V	2.0	0	1.71	232
180970073	2012	9	15	21	V	4.5	0	0.92	260
180970073	2012	9	15	22	V	6.9	0	1.57	255
180970073	2012	9	15	23	V	0.1	-999	1.01	289
180970073	2012	9	15	24	V	0.04	0	1.55	76
180970073	2012	9	16	1	V	0.1	0	1.13	15
180970073	2012	9	16	2	V	0.6	0	0.69	354
180970073	2012	9	16	3	C	-999	0	0	0
180970073	2012	9	16	4	V	0.05	0	1.89	55
180970073	2012	9	16	5	V	0.1	0	1.37	43
180970073	2012	9	16	6	V	0.3	0	1.55	75
180970073	2012	9	16	7	V	0.8	0	1.37	79
180970073	2012	9	16	8	V	2.9	0	0.86	60
180970073	2012	9	16	9	V	0.4	0	2.15	125
180970073	2012	9	16	10	V	0.1	3.3	3.17	147
180970073	2012	9	16	11	V	0.1	1.6	2.86	145
180970073	2012	9	16	12	V	0.08	0.9	3.44	129
180970073	2012	9	16	13	V	0.1	0.8	2.69	121
180970073	2012	9	16	14	V	0.1	0.6	2.64	145
180970073	2012	9	16	15	V	0.1	0.2	2.5	160
180970073	2012	9	16	16	V	0.06	0	2.35	188
180970073	2012	9	16	17	V	0.05	0	1.99	197
180970073	2012	9	16	18	V	0.03	0	2.76	204
180970073	2012	9	16	19	V	0.04	0	2.45	215
180970073	2012	9	16	20	V	0.3	0	1.33	206
180970073	2012	9	16	21	V	0.4	0	1.28	212
180970073	2012	9	16	22	V	0.2	0	1.72	213
180970073	2012	9	16	23	V	19.9	0	1.21	240
180970073	2012	9	16	24	V	0.4	0	1.25	275
180970073	2012	9	17	1	V	0.5	0	1.03	200
180970073	2012	9	17	2	V	0.5	0	0.96	108
180970073	2012	9	17	3	V	0.5	0	0.96	169
180970073	2012	9	17	4	V	28.8	0	1.33	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	17	5	V	1.0	0	0.79	80
180970073	2012	9	17	6	V	0.3	0	1.74	146
180970073	2012	9	17	7	V	1.6	0	1.18	192
180970073	2012	9	17	8	V	3.2	0	0.91	196
180970073	2012	9	17	9	V	1.8	0.5	1.06	124
180970073	2012	9	17	10	V	0.3	1.6	2.38	152
180970073	2012	9	17	11	V	0.2	2.8	2.61	174
180970073	2012	9	17	12	V	0.2	2.5	2.45	187
180970073	2012	9	17	13	V	0.3	2.4	2.05	176
180970073	2012	9	17	14	V	0.2	1.5	2.52	180
180970073	2012	9	17	15	V	0.06	0.3	3.58	182
180970073	2012	9	17	16	V	0.05	0.6	2.93	196
180970073	2012	9	17	17	V	0.05	1.2	4.22	198
180970073	2012	9	17	18	V	0.05	0.6	3.08	206
180970073	2012	9	17	19	V	29.0	0	4.51	233
180970073	2012	9	17	20	V	10.6	0	1.99	250
180970073	2012	9	17	21	V	0.1	0.1	1.59	131
180970073	2012	9	17	22	V	0.05	0	2.86	125
180970073	2012	9	17	23	V	0.05	0	3.98	163
180970073	2012	9	17	24	V	5.6	0	4.14	225
180970073	2012	9	18	1	V	7.7	0.1	3.9	250
180970073	2012	9	18	2	V	6.6	0	3.17	255
180970073	2012	9	18	3	V	0.03	0	4.31	286
180970073	2012	9	18	4	V	0.03	0	5.65	319
180970073	2012	9	18	5	V	0.03	0	7.06	325
180970073	2012	9	18	6	V	0.04	0	7.08	319
180970073	2012	9	18	7	V	0.01	0	7.47	320
180970073	2012	9	18	8	V	0.02	0	6.99	313
180970073	2012	9	18	9	V	0.02	0	7.15	313
180970073	2012	9	18	10	V	0.02	0	7.4	311
180970073	2012	9	18	11	V	0.01	0	8.37	312
180970073	2012	9	18	12	V	0.02	0	8.03	317
180970073	2012	9	18	13	V	0.01	0	8.27	314
180970073	2012	9	18	14	V	0.01	0	7.55	310
180970073	2012	9	18	15	V	0.01	0	7.33	300
180970073	2012	9	18	16	V	0.01	0	8.36	290
180970073	2012	9	18	17	V	0.03	0	8.2	303
180970073	2012	9	18	18	V	0.03	0	7.93	315
180970073	2012	9	18	19	V	0.03	0	5.63	316
180970073	2012	9	18	20	V	0.03	0	4.19	322
180970073	2012	9	18	21	V	0.03	0	3.54	330
180970073	2012	9	18	22	V	0.05	0	2.56	323
180970073	2012	9	18	23	V	0.06	0	2.28	312
180970073	2012	9	18	24	V	0.07	0	2.13	298
180970073	2012	9	19	1	V	0.07	0	2.05	270
180970073	2012	9	19	2	V	2.4	0	2.57	245

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	19	3	V	2.0	0	2.28	244
180970073	2012	9	19	4	V	10.9	0	2.1	238
180970073	2012	9	19	5	V	21.5	0	2.01	235
180970073	2012	9	19	6	V	0.2	0	1.89	196
180970073	2012	9	19	7	V	22.2	0	1.43	232
180970073	2012	9	19	8	V	16.6	0	1.81	224
180970073	2012	9	19	9	V	7.3	0	2.03	218
180970073	2012	9	19	10	V	1.2	0.9	3.42	214
180970073	2012	9	19	11	V	0.4	0.3	4.17	212
180970073	2012	9	19	12	V	1.9	0.1	3.9	218
180970073	2012	9	19	13	V	0.3	0	3.64	208
180970073	2012	9	19	14	V	0.04	0	4.59	203
180970073	2012	9	19	15	V	0.02	0	5.11	199
180970073	2012	9	19	16	V	0.01	0	5.44	197
180970073	2012	9	19	17	V	0.03	0	6.75	189
180970073	2012	9	19	18	V	0.03	0	6.41	173
180970073	2012	9	19	19	V	0.03	0	4.75	173
180970073	2012	9	19	20	V	0.03	0	4.32	174
180970073	2012	9	19	21	V	0.03	0	4.26	181
180970073	2012	9	19	22	V	0.02	0	4.37	176
180970073	2012	9	19	23	V	0.02	0	5.94	170
180970073	2012	9	19	24	V	0.02	0	5.89	169
180970073	2012	9	20	1	V	0.02	0	3.44	204
180970073	2012	9	20	2	V	0.02	0	4.31	183
180970073	2012	9	20	3	V	0.02	0	4.59	170
180970073	2012	9	20	4	V	0.02	0	3.98	177
180970073	2012	9	20	5	V	0.02	0	3.54	177
180970073	2012	9	20	6	V	0.01	0	5.48	195
180970073	2012	9	20	7	V	0.02	0.4	5.29	193
180970073	2012	9	20	8	V	0.03	0.7	5.05	204
180970073	2012	9	20	9	V	0.02	0.9	5.73	200
180970073	2012	9	20	10	V	0.2	1.4	5.33	217
180970073	2012	9	20	11	V	5.7	7.6	6.57	232
180970073	2012	9	20	12	V	4.3	2.7	6.77	236
180970073	2012	9	20	13	V	3.5	3.2	6.63	228
180970073	2012	9	20	14	V	2.1	10	6.7	226
180970073	2012	9	20	15	V	0.1	4.1	6.16	219
180970073	2012	9	20	16	V	0.01	6.2	5.84	213
180970073	2012	9	20	17	V	0.03	6.7	5.48	213
180970073	2012	9	20	18	V	0.02	8.3	4.9	213
180970073	2012	9	20	19	V	0.02	0.3	3.23	211
180970073	2012	9	20	20	V	0.1	0	3.12	221
180970073	2012	9	20	21	V	0.04	0	2.42	219
180970073	2012	9	20	22	V	7.5	0	2.11	255
180970073	2012	9	20	23	V	0.04	0	2.03	288
180970073	2012	9	20	24	V	0.06	0	1.79	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	21	1	V	0.5	0	1.79	263
180970073	2012	9	21	2	V	2.5	0	1.91	259
180970073	2012	9	21	3	V	1.6	0	1.99	260
180970073	2012	9	21	4	V	0.05	0	1.91	272
180970073	2012	9	21	5	V	2.1	0	2.16	240
180970073	2012	9	21	6	V	5.2	0	2.25	227
180970073	2012	9	21	7	V	1.1	0	2.44	215
180970073	2012	9	21	8	V	7.5	0	1.64	227
180970073	2012	9	21	9	V	0.5	0	1.82	217
180970073	2012	9	21	10	V	0.2	0	2.01	211
180970073	2012	9	21	11	V	1.5	0.6	1.79	230
180970073	2012	9	21	12	V	0.05	0.6	2.49	206
180970073	2012	9	21	13	V	0.02	0.4	3.37	172
180970073	2012	9	21	14	V	0.01	0	4.22	149
180970073	2012	9	21	15	V	0.01	0	4.59	148
180970073	2012	9	21	16	V	0.004	0	4.99	140
180970073	2012	9	21	17	V	0.01	0	4.71	104
180970073	2012	9	21	18	V	0.01	0	7.3	73
180970073	2012	9	21	19	V	0.01	0	5.56	360
180970073	2012	9	21	20	V	0.01	0	6.55	15
180970073	2012	9	21	21	V	0.01	0	5.73	56
180970073	2012	9	21	22	V	0.01	0	4.44	111
180970073	2012	9	21	23	V	0.09	0	2.39	224
180970073	2012	9	21	24	V	0.6	0	2.08	240
180970073	2012	9	22	1	V	0.01	0	3.73	313
180970073	2012	9	22	2	V	0.01	0	3.69	320
180970073	2012	9	22	3	V	0.01	0	4.1	313
180970073	2012	9	22	4	V	0.01	0	3.27	298
180970073	2012	9	22	5	V	0.01	0	4.17	290
180970073	2012	9	22	6	V	0.4	0	3.57	266
180970073	2012	9	22	7	V	2.4	0	4.32	258
180970073	2012	9	22	8	V	4.0	0	4.29	254
180970073	2012	9	22	9	V	0.3	2.3	4.27	223
180970073	2012	9	22	10	V	0.5	0.1	5.21	235
180970073	2012	9	22	11	V	0.9	1.5	7.26	245
180970073	2012	9	22	12	V	0.08	3.5	10.15	264
180970073	2012	9	22	13	V	0.002	0	10.72	277
180970073	2012	9	22	14	V	0.001	0	11.74	288
180970073	2012	9	22	15	V	0.001	0	10.99	305
180970073	2012	9	22	16	V	0.002	0	8.52	306
180970073	2012	9	22	17	V	0.01	0	7.2	310
180970073	2012	9	22	18	V	0.01	0	5.56	310
180970073	2012	9	22	19	V	0.01	0	3.34	307
180970073	2012	9	22	20	V	0.02	0	1.87	293
180970073	2012	9	22	21	V	0.03	0	1.76	291
180970073	2012	9	22	22	V	0.2	0	2.08	264

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	22	23	V	0.02	-999	2.22	268
180970073	2012	9	22	24	V	0.02	0	2.23	307
180970073	2012	9	23	1	V	0.01	0	2.42	299
180970073	2012	9	23	2	V	5.6	0	2.25	256
180970073	2012	9	23	3	V	0.6	0	2.22	241
180970073	2012	9	23	4	V	8.0	0	2.42	248
180970073	2012	9	23	5	V	0.02	0	2.3	272
180970073	2012	9	23	6	V	0.04	0	1.69	271
180970073	2012	9	23	7	V	6.5	0	1.96	251
180970073	2012	9	23	8	V	1.5	0	2.19	269
180970073	2012	9	23	9	V	0.08	0	2.3	296
180970073	2012	9	23	10	V	0.04	0	2.52	310
180970073	2012	9	23	11	V	0.02	0	3.03	303
180970073	2012	9	23	12	V	0.01	0	4.49	298
180970073	2012	9	23	13	V	0.01	0	4.36	300
180970073	2012	9	23	14	V	0.01	0	4.37	289
180970073	2012	9	23	15	V	0.004	0	5.17	297
180970073	2012	9	23	16	V	0.004	0	4.87	309
180970073	2012	9	23	17	V	0.01	0	4.46	293
180970073	2012	9	23	18	V	0.01	0	4.32	283
180970073	2012	9	23	19	V	0.01	0	3.3	270
180970073	2012	9	23	20	V	0.5	0	2.5	238
180970073	2012	9	23	21	V	0.7	0	2.25	237
180970073	2012	9	23	22	V	0.6	0	1.67	263
180970073	2012	9	23	23	V	0.3	0	2.11	263
180970073	2012	9	23	24	V	0.02	0	2.38	323
180970073	2012	9	24	1	V	0.01	0	3.22	28
180970073	2012	9	24	2	V	0.01	0	2.5	76
180970073	2012	9	24	3	V	0.01	0	2.79	91
180970073	2012	9	24	4	V	0.02	0	2.01	95
180970073	2012	9	24	5	V	0.1	0	1.04	128
180970073	2012	9	24	6	V	0.03	0	1.4	165
180970073	2012	9	24	7	V	0.2	0	1.72	161
180970073	2012	9	24	8	V	0.6	0	1.09	201
180970073	2012	9	24	9	V	0.6	0	1.09	209
180970073	2012	9	24	10	V	0.3	0	2.47	222
180970073	2012	9	24	11	V	0.1	0	3.12	217
180970073	2012	9	24	12	V	0.1	0	4.82	227
180970073	2012	9	24	13	V	0.5	0	4.63	238
180970073	2012	9	24	14	V	0.7	0.2	4.36	241
180970073	2012	9	24	15	V	0.07	0	4.85	223
180970073	2012	9	24	16	V	0.003	0	5.87	211
180970073	2012	9	24	17	V	0.01	0	6.19	207
180970073	2012	9	24	18	V	0.01	0	5.39	203
180970073	2012	9	24	19	V	0.01	0.4	4.36	197
180970073	2012	9	24	20	V	0.01	0.2	3.54	182

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	24	21	V	0.01	0	3.81	183
180970073	2012	9	24	22	V	0.01	0.5	3.44	185
180970073	2012	9	24	23	V	0.01	1.8	3.13	183
180970073	2012	9	24	24	V	0.02	2.6	3.61	177
180970073	2012	9	25	1	V	0.02	2.8	3.23	176
180970073	2012	9	25	2	V	0.02	0.6	3.61	175
180970073	2012	9	25	3	V	0.02	0.5	3.59	168
180970073	2012	9	25	4	V	0.4	0.5	1.74	221
180970073	2012	9	25	5	V	0.02	0	3.03	141
180970073	2012	9	25	6	V	0.03	0	4.82	159
180970073	2012	9	25	7	V	0.05	0.2	3.71	178
180970073	2012	9	25	8	V	0.04	0.4	4.03	159
180970073	2012	9	25	9	V	0.07	0.2	3.78	205
180970073	2012	9	25	10	V	0.2	0	2.73	192
180970073	2012	9	25	11	V	0.1	0	3.47	163
180970073	2012	9	25	12	V	0.09	0	3.81	165
180970073	2012	9	25	13	V	0.03	0	4.39	179
180970073	2012	9	25	14	V	0.03	0	4.32	178
180970073	2012	9	25	15	V	0.02	0	5.07	175
180970073	2012	9	25	16	V	0.01	0	4.68	184
180970073	2012	9	25	17	V	0.03	0	4.24	183
180970073	2012	9	25	18	V	0.03	0	3.22	159
180970073	2012	9	25	19	V	0.03	0	2.32	141
180970073	2012	9	25	20	V	0.03	0	2.59	183
180970073	2012	9	25	21	V	0.03	0	2.44	176
180970073	2012	9	25	22	V	0.03	0	2.78	147
180970073	2012	9	25	23	V	0.03	0	3.8	182
180970073	2012	9	25	24	V	0.02	0	7.18	213
180970073	2012	9	26	1	V	0.2	0.1	6.4	219
180970073	2012	9	26	2	V	0.02	0	3.29	213
180970073	2012	9	26	3	V	0.02	0	2.69	197
180970073	2012	9	26	4	V	0.02	0	4.05	189
180970073	2012	9	26	5	V	0.08	0	4.54	218
180970073	2012	9	26	6	V	1.3	0	4.61	221
180970073	2012	9	26	7	V	0.03	0	4.65	209
180970073	2012	9	26	8	V	0.05	0	4.37	201
180970073	2012	9	26	9	V	10.2	0	3.8	227
180970073	2012	9	26	10	V	2.9	0	5.07	223
180970073	2012	9	26	11	V	3.5	9.2	7.64	230
180970073	2012	9	26	12	V	3.4	2.3	5.67	241
180970073	2012	9	26	13	V	3.6	2.3	6.82	237
180970073	2012	9	26	14	V	0.8	0.5	3.35	264
180970073	2012	9	26	15	V	0.2	0.4	1.89	316
180970073	2012	9	26	16	V	10.4	0	2.37	237
180970073	2012	9	26	17	V	22.3	0	1.04	233
180970073	2012	9	26	18	V	7.4	0	1.38	247

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	26	19	V	0.09	0	1.71	210
180970073	2012	9	26	20	V	0.06	0	1.96	197
180970073	2012	9	26	21	V	0.6	0	0.86	11
180970073	2012	9	26	22	V	0.2	0	1.3	101
180970073	2012	9	26	23	V	0.07	0	1.69	77
180970073	2012	9	26	24	V	0.3	0	1.12	56
180970073	2012	9	27	1	V	0.03	0	2.36	104
180970073	2012	9	27	2	V	0.03	0	2.86	18
180970073	2012	9	27	3	V	0.02	0	2.86	32
180970073	2012	9	27	4	V	0.02	0	4.86	11
180970073	2012	9	27	5	V	0.02	0	4.36	13
180970073	2012	9	27	6	V	0.03	0	3.36	357
180970073	2012	9	27	7	V	0.1	0	2.86	345
180970073	2012	9	27	8	V	0.05	0	4.36	2
180970073	2012	9	27	9	V	0.08	0	2.96	346
180970073	2012	9	27	10	V	0.1	0	2.33	8
180970073	2012	9	27	11	V	0.3	0	1.82	348
180970073	2012	9	27	12	V	0.3	0	1.76	9
180970073	2012	9	27	13	V	0.7	0	1.48	319
180970073	2012	9	27	14	V	0.6	0	1.48	30
180970073	2012	9	27	15	V	0.4	0	1.48	122
180970073	2012	9	27	16	V	0.1	0	1.96	149
180970073	2012	9	27	17	V	0.02	0	2.89	127
180970073	2012	9	27	18	V	0.02	0	2.81	143
180970073	2012	9	27	19	V	0.03	0	2.66	148
180970073	2012	9	27	20	V	0.04	0	2.13	153
180970073	2012	9	27	21	V	0.03	0	2.23	152
180970073	2012	9	27	22	V	1.2	0	1.31	221
180970073	2012	9	27	23	V	0.03	0	2.13	160
180970073	2012	9	27	24	V	0.02	0	3.18	108
180970073	2012	9	28	1	V	0.02	0	2.83	103
180970073	2012	9	28	2	V	0.02	0	2.38	88
180970073	2012	9	28	3	V	0.02	0	2.37	101
180970073	2012	9	28	4	V	0.03	0	2.28	109
180970073	2012	9	28	5	V	0.1	0	1.2	69
180970073	2012	9	28	6	V	0.08	0	1.42	36
180970073	2012	9	28	7	V	0.2	0	2.08	1
180970073	2012	9	28	8	V	0.3	0	2.23	328
180970073	2012	9	28	9	V	1.6	0	0.92	9
180970073	2012	9	28	10	V	0.6	0	1.7	313
180970073	2012	9	28	11	V	0.4	0	2.23	301
180970073	2012	9	28	12	V	0.4	0.1	2.61	278
180970073	2012	9	28	13	V	0.4	1.5	1.91	293
180970073	2012	9	28	14	V	0.2	0.1	2.22	298
180970073	2012	9	28	15	V	0.1	0	2.59	287
180970073	2012	9	28	16	V	0.04	0	2.86	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	28	17	V	0.06	0	1.99	310
180970073	2012	9	28	18	V	0.03	0	2.86	304
180970073	2012	9	28	19	V	0.02	0	3.74	319
180970073	2012	9	28	20	V	0.02	0	3.37	321
180970073	2012	9	28	21	V	0.03	0	3.3	328
180970073	2012	9	28	22	V	0.03	0	3.23	347
180970073	2012	9	28	23	V	0.03	0	3.54	3
180970073	2012	9	28	24	V	0.02	0	3.23	13
180970073	2012	9	29	1	V	0.02	0	3	21
180970073	2012	9	29	2	V	0.02	0	3.4	18
180970073	2012	9	29	3	V	0.01	0	3.49	14
180970073	2012	9	29	4	V	0.02	0	2.71	3
180970073	2012	9	29	5	V	0.02	0	3.34	14
180970073	2012	9	29	6	V	0.03	0	3.51	26
180970073	2012	9	29	7	V	0.1	0	2.79	42
180970073	2012	9	29	8	V	0.2	0	2.52	5
180970073	2012	9	29	9	V	0.5	0	2.2	22
180970073	2012	9	29	10	V	0.6	0.7	1.67	27
180970073	2012	9	29	11	V	0.3	0.4	2.18	20
180970073	2012	9	29	12	V	0.1	0	3	4
180970073	2012	9	29	13	V	0.2	0	2.35	334
180970073	2012	9	29	14	V	0.1	0	2.74	305
180970073	2012	9	29	15	V	0.03	0	3.83	307
180970073	2012	9	29	16	V	0.01	0	4.27	329
180970073	2012	9	29	17	V	0.02	0	4.05	358
180970073	2012	9	29	18	V	0.03	0	2.4	336
180970073	2012	9	29	19	V	0.2	0	1.31	287
180970073	2012	9	29	20	V	22.1	0	1.74	233
180970073	2012	9	29	21	V	18.3	0	2.59	235
180970073	2012	9	29	22	V	2.7	0	2.11	241
180970073	2012	9	29	23	V	4.5	-999	2.28	246
180970073	2012	9	29	24	V	10.5	0	2.03	250
180970073	2012	9	30	1	V	0.06	0	1.86	21
180970073	2012	9	30	2	V	0.09	0	1.59	37
180970073	2012	9	30	3	V	0.6	0	0.75	164
180970073	2012	9	30	4	V	0.2	0	1.08	204
180970073	2012	9	30	5	V	9.0	0	1.36	253
180970073	2012	9	30	6	V	5.6	0	2.06	251
180970073	2012	9	30	7	V	0.3	0	1.94	317
180970073	2012	9	30	8	V	0.5	0	1.81	353
180970073	2012	9	30	9	V	0.1	0	3.8	22
180970073	2012	9	30	10	V	0.3	0	2.33	347
180970073	2012	9	30	11	V	0.05	0	4.6	2
180970073	2012	9	30	12	V	0.07	0	3.86	15
180970073	2012	9	30	13	V	0.02	0.1	5.77	25
180970073	2012	9	30	14	V	0.02	1.4	5.38	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	9	30	15	V	0.02	0.1	4.92	18
180970073	2012	9	30	16	V	0.01	0	4.32	37
180970073	2012	9	30	17	V	0.03	0	3.78	31
180970073	2012	9	30	18	V	0.03	0	4.39	26
180970073	2012	9	30	19	V	0.03	0	4.63	46
180970073	2012	9	30	20	V	0.03	0	3.86	45
180970073	2012	9	30	21	V	0.03	0	4.41	37
180970073	2012	9	30	22	V	0.03	0	3.68	47
180970073	2012	9	30	23	V	0.03	0	3.88	52
180970073	2012	9	30	24	V	0.03	0	4.73	71
180970073	2012	10	1	1	V	0.03	0	4.49	77
180970073	2012	10	1	2	V	0.03	0	3.93	78
180970073	2012	10	1	3	V	0.03	0	3.97	73
180970073	2012	10	1	4	V	0.03	0	3.98	67
180970073	2012	10	1	5	V	0.03	0	3.52	39
180970073	2012	10	1	6	V	0.05	0	4.37	33
180970073	2012	10	1	7	V	0.1	0	3.97	42
180970073	2012	10	1	8	V	0.07	0	4.37	44
180970073	2012	10	1	9	V	0.05	0	4.97	43
180970073	2012	10	1	10	V	0.08	0	4.24	58
180970073	2012	10	1	11	V	0.07	0.4	4.48	54
180970073	2012	10	1	12	V	0.09	2.1	4.29	47
180970073	2012	10	1	13	V	0.1	0	4.42	44
180970073	2012	10	1	14	V	0.06	0	4.12	55
180970073	2012	10	1	15	V	0.07	0	3.74	64
180970073	2012	10	1	16	V	0.06	0	4.56	27
180970073	2012	10	1	17	V	0.04	0	4.56	35
180970073	2012	10	1	18	V	0.04	0	3.9	7
180970073	2012	10	1	19	V	0.04	0	4.71	28
180970073	2012	10	1	20	V	0.04	0	6.14	39
180970073	2012	10	1	21	V	0.04	0	6.62	37
180970073	2012	10	1	22	V	0.04	0	6.01	44
180970073	2012	10	1	23	V	0.04	0	6.3	42
180970073	2012	10	1	24	V	0.03	0	6.75	33
180970073	2012	10	2	1	V	0.04	0	5.39	11
180970073	2012	10	2	2	V	0.03	0	5.89	15
180970073	2012	10	2	3	V	0.02	0	8	43
180970073	2012	10	2	4	V	0.03	0	7.54	45
180970073	2012	10	2	5	V	0.03	0	6.79	44
180970073	2012	10	2	6	V	0.04	0	6.35	38
180970073	2012	10	2	7	V	0.02	0	6.26	36
180970073	2012	10	2	8	V	0.02	0	6.58	40
180970073	2012	10	2	9	V	0.02	0	6.24	39
180970073	2012	10	2	10	V	0.03	0	6.04	41
180970073	2012	10	2	11	V	0.04	0	5.28	42
180970073	2012	10	2	12	V	0.07	0	4.65	39

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	2	13	V	0.07	0	4.65	41
180970073	2012	10	2	14	V	0.08	0	3.9	39
180970073	2012	10	2	15	V	0.07	0	3.69	30
180970073	2012	10	2	16	V	0.06	0	3.64	41
180970073	2012	10	2	17	V	0.05	0	2.38	44
180970073	2012	10	2	18	V	0.5	0	0.86	138
180970073	2012	10	2	19	V	0.08	0	1.93	133
180970073	2012	10	2	20	V	0.04	0	2.55	150
180970073	2012	10	2	21	V	0.04	0	3.01	175
180970073	2012	10	2	22	V	0.04	0	3.3	181
180970073	2012	10	2	23	V	0.03	0	3.47	178
180970073	2012	10	2	24	V	0.03	0	3.03	161
180970073	2012	10	3	1	V	0.03	0	3.18	162
180970073	2012	10	3	2	V	0.03	0	3	164
180970073	2012	10	3	3	V	0.03	0	4.39	179
180970073	2012	10	3	4	V	0.03	0	4.54	181
180970073	2012	10	3	5	V	0.03	0	4.58	183
180970073	2012	10	3	6	V	0.05	0	4.43	180
180970073	2012	10	3	7	V	0.04	0	4.7	178
180970073	2012	10	3	8	V	0.08	0	4.37	181
180970073	2012	10	3	9	V	0.06	0	4.92	181
180970073	2012	10	3	10	V	0.03	0	5.62	196
180970073	2012	10	3	11	V	0.02	0.5	6.53	203
180970073	2012	10	3	12	V	0.02	0.9	6.45	205
180970073	2012	10	3	13	V	0.08	1.6	6.46	216
180970073	2012	10	3	14	V	0.04	1.7	5.82	214
180970073	2012	10	3	15	V	0.03	0.9	5.63	207
180970073	2012	10	3	16	V	0.02	1.5	5.36	204
180970073	2012	10	3	17	V	0.04	1.1	5.68	206
180970073	2012	10	3	18	V	0.03	1.5	4.54	202
180970073	2012	10	3	19	V	0.04	0.2	3.56	168
180970073	2012	10	3	20	V	0.04	0	3.9	160
180970073	2012	10	3	21	V	0.04	0	4.78	168
180970073	2012	10	3	22	V	0.03	0.3	4.92	179
180970073	2012	10	3	23	V	0.03	0	4.75	184
180970073	2012	10	3	24	V	0.03	0	4.24	184
180970073	2012	10	4	1	V	0.03	0	3.59	180
180970073	2012	10	4	2	V	0.04	0.1	2.45	179
180970073	2012	10	4	3	V	0.03	0	2.96	204
180970073	2012	10	4	4	V	0.03	0	3.32	219
180970073	2012	10	4	5	V	0.03	0	3.1	205
180970073	2012	10	4	6	V	0.06	0	2.78	182
180970073	2012	10	4	7	V	0.3	0	2.62	193
180970073	2012	10	4	8	V	1.2	0	2.86	213
180970073	2012	10	4	9	V	2.0	0.7	3.56	215
180970073	2012	10	4	10	V	14.8	11.7	5.09	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	4	11	V	6.8	23.2	5.33	225
180970073	2012	10	4	12	V	0.3	18	4.78	214
180970073	2012	10	4	13	V	0.2	1.8	5.48	214
180970073	2012	10	4	14	V	0.03	0	6.6	212
180970073	2012	10	4	15	V	0.02	0.1	7.11	213
180970073	2012	10	4	16	V	1.1	1.3	6.21	224
180970073	2012	10	4	17	V	14.1	7.2	6.64	228
180970073	2012	10	4	18	V	0.03	0	5.44	208
180970073	2012	10	4	19	V	0.03	0	4.24	200
180970073	2012	10	4	20	V	0.03	1.1	4.83	182
180970073	2012	10	4	21	V	0.03	2.4	4.78	192
180970073	2012	10	4	22	V	0.03	2.2	4.27	199
180970073	2012	10	4	23	V	0.03	1.1	3.8	205
180970073	2012	10	4	24	V	13.3	0.4	3.78	237
180970073	2012	10	5	1	V	2.1	1.4	3.18	245
180970073	2012	10	5	2	V	0.02	0.6	4.51	306
180970073	2012	10	5	3	V	0.03	0	3.08	321
180970073	2012	10	5	4	V	0.03	0	3.76	318
180970073	2012	10	5	5	V	0.03	0	5.27	326
180970073	2012	10	5	6	V	0.04	0	3.32	341
180970073	2012	10	5	7	V	0.1	0	3.69	333
180970073	2012	10	5	8	V	0.06	0	4.2	337
180970073	2012	10	5	9	V	0.2	0	2.76	332
180970073	2012	10	5	10	V	0.2	0	2.74	288
180970073	2012	10	5	11	V	0.2	0	3.05	302
180970073	2012	10	5	12	V	0.2	0	2.81	310
180970073	2012	10	5	13	V	0.2	0	2.74	316
180970073	2012	10	5	14	V	0.05	0	4.54	321
180970073	2012	10	5	15	V	0.04	0	4.05	318
180970073	2012	10	5	16	V	0.06	0	4.15	340
180970073	2012	10	5	17	V	0.04	0	4.85	334
180970073	2012	10	5	18	V	0.04	0	6.53	325
180970073	2012	10	5	19	V	0.04	0	6.31	327
180970073	2012	10	5	20	V	0.04	0	5.73	338
180970073	2012	10	5	21	V	0.04	0	4.76	324
180970073	2012	10	5	22	V	0.04	0	3.97	333
180970073	2012	10	5	23	V	0.03	0	3.69	308
180970073	2012	10	5	24	V	0.03	0	3.44	294
180970073	2012	10	6	1	V	0.02	0	3.66	290
180970073	2012	10	6	2	V	0.02	0	4.22	278
180970073	2012	10	6	3	V	0.02	0	3.66	274
180970073	2012	10	6	4	V	0.02	0	3.63	278
180970073	2012	10	6	5	V	0.02	0	3.54	276
180970073	2012	10	6	6	V	0.04	0	4.05	279
180970073	2012	10	6	7	V	0.1	0	3.74	286
180970073	2012	10	6	8	V	0.1	0	4.37	281

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	6	9	V	0.1	0	4.51	289
180970073	2012	10	6	10	V	0.05	0	5.19	297
180970073	2012	10	6	11	V	0.1	0	4.24	290
180970073	2012	10	6	12	V	0.1	0	3.97	305
180970073	2012	10	6	13	V	0.1	0	3.71	295
180970073	2012	10	6	14	V	0.05	0	4.92	287
180970073	2012	10	6	15	V	0.03	0	4.82	292
180970073	2012	10	6	16	V	0.06	0	5.16	304
180970073	2012	10	6	17	V	0.04	0	4.63	290
180970073	2012	10	6	18	V	0.04	-999	3.76	293
180970073	2012	10	6	19	V	0.04	0	3.83	305
180970073	2012	10	6	20	V	0.04	0	4.65	327
180970073	2012	10	6	21	V	0.04	-999	4.29	328
180970073	2012	10	6	22	V	0.04	-999	2.98	329
180970073	2012	10	6	23	V	0.05	-999	2.3	313
180970073	2012	10	6	24	V	0.06	0	2.16	298
180970073	2012	10	7	1	V	0.04	0	2.98	305
180970073	2012	10	7	2	V	0.04	-999	2.95	317
180970073	2012	10	7	3	V	0.04	-999	3.2	317
180970073	2012	10	7	4	V	0.05	-999	2.37	310
180970073	2012	10	7	5	V	0.08	0	2.1	308
180970073	2012	10	7	6	V	0.05	0	2.79	305
180970073	2012	10	7	7	V	0.3	0	2.15	294
180970073	2012	10	7	8	V	0.3	0	2.61	276
180970073	2012	10	7	9	V	0.3	0	3.03	281
180970073	2012	10	7	10	V	0.3	-999	3.06	274
180970073	2012	10	7	11	V	0.08	-999	4.15	286
180970073	2012	10	7	12	V	0.04	-999	4.73	288
180970073	2012	10	7	13	V	0.04	-999	4.56	294
180970073	2012	10	7	14	V	0.02	-999	5.33	289
180970073	2012	10	7	15	V	0.02	0	5.26	276
180970073	2012	10	7	16	V	0.06	0	4.29	287
180970073	2012	10	7	17	V	0.04	0	4.05	284
180970073	2012	10	7	18	V	0.04	0	3.27	311
180970073	2012	10	7	19	V	0.06	0	2.5	320
180970073	2012	10	7	20	V	0.1	0	2.06	313
180970073	2012	10	7	21	V	0.8	0	0.94	317
180970073	2012	10	7	22	V	1.0	0	0.89	297
180970073	2012	10	7	23	V	8.2	0	1.54	253
180970073	2012	10	7	24	V	13.3	0	1.09	224
180970073	2012	10	8	1	V	1.2	0	1.4	219
180970073	2012	10	8	2	V	0.5	0	1.04	274
180970073	2012	10	8	3	V	2.8	0	0.97	263
180970073	2012	10	8	4	V	0.5	0	1.14	304
180970073	2012	10	8	5	V	0.7	0	0.94	151
180970073	2012	10	8	6	C	-999	0	0	0

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	8	7	V	3.4	0	0.8	157
180970073	2012	10	8	8	V	3.6	0	0.84	164
180970073	2012	10	8	9	V	1.2	0	1.76	179
180970073	2012	10	8	10	V	0.2	0	3.32	186
180970073	2012	10	8	11	V	0.7	0	3.49	211
180970073	2012	10	8	12	V	5.8	0	2.83	225
180970073	2012	10	8	13	V	5.7	4.6	2.2	232
180970073	2012	10	8	14	V	5.8	0.7	2.16	236
180970073	2012	10	8	15	V	0.06	0	3.1	195
180970073	2012	10	8	16	V	0.06	0	3.61	181
180970073	2012	10	8	17	V	0.03	0	3.34	194
180970073	2012	10	8	18	V	0.04	0	3.1	196
180970073	2012	10	8	19	V	0.04	0	3.05	184
180970073	2012	10	8	20	V	0.03	0	3.35	181
180970073	2012	10	8	21	V	0.05	0	2.73	192
180970073	2012	10	8	22	V	0.03	0	3.23	178
180970073	2012	10	8	23	V	0.04	0	3.13	183
180970073	2012	10	8	24	V	0.05	0	2.76	186
180970073	2012	10	9	1	V	0.03	0	3.1	170
180970073	2012	10	9	2	V	0.04	0	2.59	159
180970073	2012	10	9	3	V	0.03	0	2.62	178
180970073	2012	10	9	4	V	0.04	0	2.59	196
180970073	2012	10	9	5	V	0.04	0	2.42	147
180970073	2012	10	9	6	V	0.04	0	2.44	143
180970073	2012	10	9	7	V	0.3	0	2.67	165
180970073	2012	10	9	8	V	0.3	0	2.66	178
180970073	2012	10	9	9	V	0.5	0	2.2	187
180970073	2012	10	9	10	V	0.1	1.5	4.49	209
180970073	2012	10	9	11	V	0.02	1.6	6.19	202
180970073	2012	10	9	12	V	0.02	1.8	6.35	208
180970073	2012	10	9	13	V	0.02	1.2	6.69	207
180970073	2012	10	9	14	V	0.01	1.3	6.58	201
180970073	2012	10	9	15	V	0.01	0.5	6.43	200
180970073	2012	10	9	16	V	0.03	0.1	6.75	193
180970073	2012	10	9	17	V	0.02	0.1	6.86	207
180970073	2012	10	9	18	V	0.03	0	5.89	203
180970073	2012	10	9	19	V	0.03	0	4.14	200
180970073	2012	10	9	20	V	0.02	0.1	3.76	177
180970073	2012	10	9	21	V	0.02	0.5	4.19	181
180970073	2012	10	9	22	V	0.02	0.8	4.54	195
180970073	2012	10	9	23	V	0.03	-999	4.19	195
180970073	2012	10	9	24	V	0.03	-999	4.2	196
180970073	2012	10	10	1	V	0.03	1.7	4.26	212
180970073	2012	10	10	2	V	10.0	3.9	6.65	237
180970073	2012	10	10	3	V	0.03	4.3	6.18	283
180970073	2012	10	10	4	V	0.03	0.2	6.65	318

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	10	5	V	0.03	0	5.11	307
180970073	2012	10	10	6	V	0.03	0	4.97	299
180970073	2012	10	10	7	V	0.02	0	6.18	298
180970073	2012	10	10	8	V	0.03	0	5.62	289
180970073	2012	10	10	9	V	0.02	0	6.29	281
180970073	2012	10	10	10	V	0.06	0	5.96	270
180970073	2012	10	10	11	V	0.01	0	8.22	276
180970073	2012	10	10	12	V	0.01	0	8.32	285
180970073	2012	10	10	13	V	0.01	0	9.1	285
180970073	2012	10	10	14	V	0.01	0	9.51	286
180970073	2012	10	10	15	V	0.005	0	9.97	295
180970073	2012	10	10	16	V	0.03	0	8.56	298
180970073	2012	10	10	17	V	0.03	0	8.08	299
180970073	2012	10	10	18	V	0.03	0	6.04	293
180970073	2012	10	10	19	V	0.03	0	3.91	286
180970073	2012	10	10	20	V	0.05	0	2.59	272
180970073	2012	10	10	21	V	29.7	0	2.52	231
180970073	2012	10	10	22	V	1.7	0	2.06	223
180970073	2012	10	10	23	V	4.7	0	1.89	225
180970073	2012	10	10	24	V	26.9	0	2.16	232
180970073	2012	10	11	1	V	16.2	0	2.18	238
180970073	2012	10	11	2	V	11.3	0	2.11	239
180970073	2012	10	11	3	V	0.06	0	2.37	217
180970073	2012	10	11	4	V	11.9	0	2.2	228
180970073	2012	10	11	5	V	4.3	0	2.04	225
180970073	2012	10	11	6	V	0.2	0	1.37	213
180970073	2012	10	11	7	V	1.4	0	1.33	200
180970073	2012	10	11	8	V	5.1	0	1.5	211
180970073	2012	10	11	9	V	5.4	0.4	2.27	215
180970073	2012	10	11	10	V	6.3	0	3.58	221
180970073	2012	10	11	11	V	0.04	0	6.03	210
180970073	2012	10	11	12	V	0.03	0	6.36	196
180970073	2012	10	11	13	V	0.03	0.1	5.65	204
180970073	2012	10	11	14	V	0.5	3	5.39	218
180970073	2012	10	11	15	V	7.4	7.9	5.77	230
180970073	2012	10	11	16	V	4.1	8.6	5.46	223
180970073	2012	10	11	17	V	0.1	15	5.44	219
180970073	2012	10	11	18	V	0.03	7.8	4.75	210
180970073	2012	10	11	19	V	0.03	3.8	3.56	203
180970073	2012	10	11	20	V	0.04	3	2.96	205
180970073	2012	10	11	21	V	0.04	1.3	2.86	202
180970073	2012	10	11	22	V	0.06	1.7	2.11	202
180970073	2012	10	11	23	V	16.9	2.4	2.4	230
180970073	2012	10	11	24	V	0.08	4	2.59	220
180970073	2012	10	12	1	V	20.1	3.2	2.67	230
180970073	2012	10	12	2	V	2.2	4.5	2.57	258

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	12	3	V	0.05	5.5	2.3	305
180970073	2012	10	12	4	V	0.1	2.2	1.45	330
180970073	2012	10	12	5	V	0.05	1.1	2.32	304
180970073	2012	10	12	6	V	0.03	0.5	4.46	21
180970073	2012	10	12	7	V	0.06	0.2	4.68	33
180970073	2012	10	12	8	V	0.04	0.1	5.1	44
180970073	2012	10	12	9	V	0.02	0	5.99	49
180970073	2012	10	12	10	V	0.02	0	6.07	50
180970073	2012	10	12	11	V	0.02	0	6.18	62
180970073	2012	10	12	12	V	0.05	0	4.92	72
180970073	2012	10	12	13	V	0.05	0	4.8	71
180970073	2012	10	12	14	V	0.06	0	4.02	80
180970073	2012	10	12	15	V	0.05	0	3.54	82
180970073	2012	10	12	16	V	0.03	0	3.39	105
180970073	2012	10	12	17	V	0.03	0	2.76	101
180970073	2012	10	12	18	V	0.04	0	2.45	86
180970073	2012	10	12	19	V	0.04	0	2.5	93
180970073	2012	10	12	20	V	0.04	0	2.56	87
180970073	2012	10	12	21	V	0.03	0	2.95	84
180970073	2012	10	12	22	V	0.02	0	3.76	83
180970073	2012	10	12	23	V	0.02	0	3.51	88
180970073	2012	10	12	24	V	0.02	0	3.17	101
180970073	2012	10	13	1	V	0.03	0	3.03	112
180970073	2012	10	13	2	V	0.02	0	3.18	113
180970073	2012	10	13	3	V	0.04	0	2.52	122
180970073	2012	10	13	4	V	0.03	1.9	3.52	121
180970073	2012	10	13	5	V	0.02	4.6	4.03	133
180970073	2012	10	13	6	V	0.03	3.4	3.69	132
180970073	2012	10	13	7	V	0.1	2.6	3.9	139
180970073	2012	10	13	8	V	0.09	2.8	4.2	149
180970073	2012	10	13	9	V	0.1	2.5	4.15	144
180970073	2012	10	13	10	V	0.2	2.1	3.69	163
180970073	2012	10	13	11	V	0.3	1.5	2.96	166
180970073	2012	10	13	12	V	0.04	1.1	5.68	190
180970073	2012	10	13	13	V	0.03	1.1	6.01	184
180970073	2012	10	13	14	V	0.05	0.6	4.97	180
180970073	2012	10	13	15	V	0.09	0.3	4.32	179
180970073	2012	10	13	16	V	0.05	0.1	5.51	181
180970073	2012	10	13	17	V	0.05	0	4.75	173
180970073	2012	10	13	18	V	0.05	0.4	4.25	172
180970073	2012	10	13	19	V	0.05	0.8	4.94	166
180970073	2012	10	13	20	V	0.04	1	7.62	168
180970073	2012	10	13	21	V	0.04	0.6	6.26	182
180970073	2012	10	13	22	V	0.04	0.2	5.56	195
180970073	2012	10	13	23	V	0.04	-999	5.44	188
180970073	2012	10	13	24	V	0.04	0.2	5.8	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	14	1	V	0.04	0.2	6.06	176
180970073	2012	10	14	2	V	0.04	0.1	6.4	179
180970073	2012	10	14	3	V	0.04	0.1	6.58	179
180970073	2012	10	14	4	V	0.03	0	6.43	177
180970073	2012	10	14	5	V	0.03	0	6.96	177
180970073	2012	10	14	6	V	0.03	0	7.62	175
180970073	2012	10	14	7	V	0.01	0.1	8.37	177
180970073	2012	10	14	8	V	0.01	0	9.24	188
180970073	2012	10	14	9	V	0.01	0	9.56	190
180970073	2012	10	14	10	V	0.01	0.1	10.94	178
180970073	2012	10	14	11	V	0.01	0.1	10.94	185
180970073	2012	10	14	12	V	0.005	0	11.33	192
180970073	2012	10	14	13	V	0.005	0	11.91	204
180970073	2012	10	14	14	V	0.004	0.1	11.84	213
180970073	2012	10	14	15	V	0.004	0.3	13.38	212
180970073	2012	10	14	16	V	0.4	0.3	12.62	217
180970073	2012	10	14	17	V	0.1	0	11.65	215
180970073	2012	10	14	18	V	0.03	0.1	11.5	209
180970073	2012	10	14	19	V	9.5	1	11.11	226
180970073	2012	10	14	20	V	0.6	0	8.64	264
180970073	2012	10	14	21	V	0.03	0	10.61	282
180970073	2012	10	14	22	V	0.03	0	8.83	280
180970073	2012	10	14	23	V	0.04	0	8.37	274
180970073	2012	10	14	24	V	0.04	0	5.68	277
180970073	2012	10	15	1	V	0.1	0	5.09	268
180970073	2012	10	15	2	V	1.9	0	5.39	260
180970073	2012	10	15	3	V	0.2	0	6.52	267
180970073	2012	10	15	4	V	0.03	0	5.44	279
180970073	2012	10	15	5	V	0.08	0	5.63	269
180970073	2012	10	15	6	V	0.04	0	5.63	273
180970073	2012	10	15	7	V	0.03	0	5.94	270
180970073	2012	10	15	8	V	0.06	0	5.75	271
180970073	2012	10	15	9	V	0.06	0	5.53	277
180970073	2012	10	15	10	V	0.04	0	5.94	275
180970073	2012	10	15	11	V	0.04	0	5.75	282
180970073	2012	10	15	12	V	0.02	0	6.28	285
180970073	2012	10	15	13	V	0.02	0	7.13	291
180970073	2012	10	15	14	V	0.01	0	7.45	291
180970073	2012	10	15	15	V	0.01	0	7.25	297
180970073	2012	10	15	16	V	0.03	0	7.89	295
180970073	2012	10	15	17	V	0.03	0	6.7	302
180970073	2012	10	15	18	V	0.03	0	5.33	302
180970073	2012	10	15	19	V	0.03	0	3.13	305
180970073	2012	10	15	20	V	0.08	0	2.1	290
180970073	2012	10	15	21	V	0.2	0	1.6	297
180970073	2012	10	15	22	V	0.2	0	1.45	306

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	15	23	V	0.4	0	1.65	264
180970073	2012	10	15	24	V	0.09	0	1.99	266
180970073	2012	10	16	1	V	11.2	0	1.47	239
180970073	2012	10	16	2	V	0.3	0	1.18	278
180970073	2012	10	16	3	V	10.2	0	0.87	246
180970073	2012	10	16	4	V	1.2	0	0.6	295
180970073	2012	10	16	5	V	0.2	0	1.23	173
180970073	2012	10	16	6	V	0.1	0.1	1.5	106
180970073	2012	10	16	7	V	0.5	0.1	1.77	122
180970073	2012	10	16	8	V	0.6	0	1.89	124
180970073	2012	10	16	9	V	0.2	0	3.42	133
180970073	2012	10	16	10	V	0.1	0	4.15	148
180970073	2012	10	16	11	V	0.05	0.3	4.85	165
180970073	2012	10	16	12	V	0.02	0	5.87	166
180970073	2012	10	16	13	V	0.02	0	5.99	172
180970073	2012	10	16	14	V	0.02	0.1	5.46	164
180970073	2012	10	16	15	V	0.01	0.1	6.26	162
180970073	2012	10	16	16	V	0.03	0.6	6.02	159
180970073	2012	10	16	17	V	0.03	0.6	5.92	157
180970073	2012	10	16	18	V	0.04	0.9	5.33	157
180970073	2012	10	16	19	V	0.04	0.9	4.48	159
180970073	2012	10	16	20	V	0.04	0.6	5.09	151
180970073	2012	10	16	21	V	0.03	0.2	5.02	154
180970073	2012	10	16	22	V	0.04	0	4.05	159
180970073	2012	10	16	23	V	0.03	0.2	5.22	165
180970073	2012	10	16	24	V	0.03	1	5.26	168
180970073	2012	10	17	1	V	0.03	0.6	5.19	184
180970073	2012	10	17	2	V	0.03	0.3	6.14	205
180970073	2012	10	17	3	V	0.03	0	5	200
180970073	2012	10	17	4	V	0.03	0.5	4.68	194
180970073	2012	10	17	5	V	0.02	0	4.24	181
180970073	2012	10	17	6	V	0.03	0	3.46	161
180970073	2012	10	17	7	V	0.07	0	4.19	168
180970073	2012	10	17	8	V	0.1	0.5	3.9	174
180970073	2012	10	17	9	V	0.07	1.5	4.66	165
180970073	2012	10	17	10	V	0.02	1.2	6.7	180
180970073	2012	10	17	11	V	0.01	0.9	8.47	183
180970073	2012	10	17	12	V	0.01	0.5	9.54	185
180970073	2012	10	17	13	V	0.01	1	9.88	199
180970073	2012	10	17	14	V	0.01	1.7	9.1	188
180970073	2012	10	17	15	V	0.01	1.2	6.87	202
180970073	2012	10	17	16	V	0.05	0.2	4.51	152
180970073	2012	10	17	17	V	0.04	0	5.62	162
180970073	2012	10	17	18	V	0.04	0	6.33	150
180970073	2012	10	17	19	V	0.04	0	4.29	139
180970073	2012	10	17	20	V	0.04	0	4.54	120

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	17	21	V	0.04	0	4.87	134
180970073	2012	10	17	22	V	0.03	0	6.82	161
180970073	2012	10	17	23	V	0.03	0	7.16	207
180970073	2012	10	17	24	V	0.02	0	8.18	196
180970073	2012	10	18	1	V	0.02	0	8.25	186
180970073	2012	10	18	2	V	0.03	0	7.04	178
180970073	2012	10	18	3	V	0.03	0	6.28	187
180970073	2012	10	18	4	V	0.2	0	6.99	267
180970073	2012	10	18	5	V	4.2	0	6.02	246
180970073	2012	10	18	6	V	6.0	0	6.24	240
180970073	2012	10	18	7	V	6.9	1.5	6.4	235
180970073	2012	10	18	8	V	5.6	6.2	5.33	225
180970073	2012	10	18	9	V	0.4	16.1	5.6	216
180970073	2012	10	18	10	V	0.02	3.3	6.38	200
180970073	2012	10	18	11	V	0.01	0.3	8.06	191
180970073	2012	10	18	12	V	0.01	0	9.03	208
180970073	2012	10	18	13	V	0.1	2.2	11.4	219
180970073	2012	10	18	14	V	0.03	1.3	10.92	218
180970073	2012	10	18	15	V	0.02	0	10.24	218
180970073	2012	10	18	16	V	0.2	0	11.17	216
180970073	2012	10	18	17	V	1.9	0	10.43	221
180970073	2012	10	18	18	V	1.6	0	8.59	221
180970073	2012	10	18	19	V	0.04	0	4.02	212
180970073	2012	10	18	20	V	0.04	0	3.03	213
180970073	2012	10	18	21	V	0.04	0	3.25	185
180970073	2012	10	18	22	V	0.04	0.3	2.91	210
180970073	2012	10	18	23	V	0.04	-999	2.54	314
180970073	2012	10	18	24	V	0.1	-999	1.53	31
180970073	2012	10	19	1	V	0.03	0.2	3.07	120
180970073	2012	10	19	2	V	0.03	0.3	5.55	171
180970073	2012	10	19	3	V	0.03	0.2	7.16	186
180970073	2012	10	19	4	V	0.03	0	6.91	209
180970073	2012	10	19	5	V	4.3	0	5.84	225
180970073	2012	10	19	6	V	1.2	0.5	4.75	222
180970073	2012	10	19	7	V	0.04	0	4.53	187
180970073	2012	10	19	8	V	0.08	0	4.12	181
180970073	2012	10	19	9	V	0.09	0.1	4.03	182
180970073	2012	10	19	10	V	0.01	0	6.38	194
180970073	2012	10	19	11	V	0.01	0	6.8	203
180970073	2012	10	19	12	V	0.01	0	6.63	207
180970073	2012	10	19	13	V	0.02	0	6.55	216
180970073	2012	10	19	14	V	0.02	0	6.99	217
180970073	2012	10	19	15	V	0.01	0	6.28	212
180970073	2012	10	19	16	V	19.5	0.2	6.6	234
180970073	2012	10	19	17	V	4.2	2	6.74	245
180970073	2012	10	19	18	V	14.0	1.2	5.94	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	19	19	V	20.2	0.8	5.73	235
180970073	2012	10	19	20	V	6.1	4	5.46	242
180970073	2012	10	19	21	V	24.1	1.2	5.56	234
180970073	2012	10	19	22	V	16.4	7.3	5.67	229
180970073	2012	10	19	23	V	12.4	-999	5.04	238
180970073	2012	10	19	24	V	13.6	-999	4.65	236
180970073	2012	10	20	1	V	3.6	1.1	4.88	243
180970073	2012	10	20	2	V	0.03	0.3	4.05	278
180970073	2012	10	20	3	V	2.0	0.1	2.72	242
180970073	2012	10	20	4	V	16.5	0	3.15	235
180970073	2012	10	20	5	V	3.2	0	3.73	258
180970073	2012	10	20	6	V	0.2	0	4.31	267
180970073	2012	10	20	7	V	1.1	0	3.15	263
180970073	2012	10	20	8	V	0.2	0	2.91	293
180970073	2012	10	20	9	V	0.07	0.4	4.44	278
180970073	2012	10	20	10	V	0.03	0.2	5.56	278
180970073	2012	10	20	11	V	0.04	0	5.46	271
180970073	2012	10	20	12	V	0.2	0	5.67	267
180970073	2012	10	20	13	V	0.02	0	6.07	275
180970073	2012	10	20	14	V	0.01	0	5.56	274
180970073	2012	10	20	15	V	0.01	0	5.5	275
180970073	2012	10	20	16	V	4.1	0	4.6	257
180970073	2012	10	20	17	V	14.4	0	4.42	238
180970073	2012	10	20	18	V	4.5	3.2	4.41	242
180970073	2012	10	20	19	V	0.05	1.7	3.15	219
180970073	2012	10	20	20	V	0.04	1.4	3.27	212
180970073	2012	10	20	21	V	0.03	0.2	3.12	198
180970073	2012	10	20	22	V	0.04	0	2.52	208
180970073	2012	10	20	23	V	0.06	-999	1.99	208
180970073	2012	10	20	24	V	0.07	0	1.89	209
180970073	2012	10	21	1	V	0.2	0	1.38	215
180970073	2012	10	21	2	V	0.5	0	1.03	102
180970073	2012	10	21	3	V	0.2	0	1.33	119
180970073	2012	10	21	4	V	0.07	0	1.93	131
180970073	2012	10	21	5	V	0.06	0	2.13	112
180970073	2012	10	21	6	V	0.1	0	1.76	115
180970073	2012	10	21	7	V	0.3	0	2.33	120
180970073	2012	10	21	8	V	0.2	0	3.18	115
180970073	2012	10	21	9	V	0.2	0	3.68	129
180970073	2012	10	21	10	V	0.2	1.2	3.85	138
180970073	2012	10	21	11	V	0.2	1.4	3.51	155
180970073	2012	10	21	12	V	0.2	1.7	3.54	146
180970073	2012	10	21	13	V	0.07	2	4.48	136
180970073	2012	10	21	14	V	0.06	2.1	4.61	139
180970073	2012	10	21	15	V	0.04	1.8	4.65	145
180970073	2012	10	21	16	V	0.03	2.2	4.59	149

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	21	17	V	0.03	1.9	4.48	141
180970073	2012	10	21	18	V	0.03	1.9	4.03	148
180970073	2012	10	21	19	V	0.03	1.5	4.56	155
180970073	2012	10	21	20	V	0.03	1.2	5.26	163
180970073	2012	10	21	21	V	0.03	0.7	3.45	145
180970073	2012	10	21	22	V	0.05	0.5	2.69	122
180970073	2012	10	21	23	V	0.05	0.3	2.27	116
180970073	2012	10	21	24	V	0.03	0.2	3.15	145
180970073	2012	10	22	1	V	0.04	0.2	2.49	121
180970073	2012	10	22	2	V	0.03	0.1	2.69	128
180970073	2012	10	22	3	V	0.04	0.1	2.64	147
180970073	2012	10	22	4	V	0.05	0.1	2.15	151
180970073	2012	10	22	5	V	0.05	0	2.16	131
180970073	2012	10	22	6	V	0.04	0.1	2.27	124
180970073	2012	10	22	7	V	0.2	0.1	2.44	134
180970073	2012	10	22	8	V	0.2	1.1	3.12	138
180970073	2012	10	22	9	V	0.1	0.8	4.02	137
180970073	2012	10	22	10	V	0.2	1.1	3.57	153
180970073	2012	10	22	11	V	0.07	1.5	4.39	173
180970073	2012	10	22	12	V	0.02	1.3	6.24	190
180970073	2012	10	22	13	V	0.03	1.4	5.38	201
180970073	2012	10	22	14	V	7.4	2.6	4.32	226
180970073	2012	10	22	15	V	0.03	9	4.44	278
180970073	2012	10	22	16	V	0.04	1.8	5.22	141
180970073	2012	10	22	17	V	0.04	1.5	5.05	169
180970073	2012	10	22	18	V	0.04	1	5.48	166
180970073	2012	10	22	19	V	0.04	0.8	4.36	152
180970073	2012	10	22	20	V	0.06	1.2	1.94	158
180970073	2012	10	22	21	V	0.04	0.8	2.37	156
180970073	2012	10	22	22	V	0.03	0.6	3.18	188
180970073	2012	10	22	23	V	0.03	0.6	3.34	175
180970073	2012	10	22	24	V	0.03	0.7	3.59	178
180970073	2012	10	23	1	V	0.03	0.7	3.88	189
180970073	2012	10	23	2	V	0.03	0.8	4.37	202
180970073	2012	10	23	3	V	0.03	0.7	3.76	202
180970073	2012	10	23	4	V	0.05	0.8	4.51	216
180970073	2012	10	23	5	V	0.1	0.9	5.77	217
180970073	2012	10	23	6	V	0.03	1.3	5.92	212
180970073	2012	10	23	7	V	0.01	2.1	7.89	212
180970073	2012	10	23	8	V	2.6	3.7	6.04	241
180970073	2012	10	23	9	V	0.2	1	2.9	194
180970073	2012	10	23	10	V	0.3	1.2	2.4	192
180970073	2012	10	23	11	V	0.4	2.5	2.35	204
180970073	2012	10	23	12	V	0.9	3.5	1.6	202
180970073	2012	10	23	13	V	1.6	5.9	1.23	171
180970073	2012	10	23	14	V	1.3	2.3	1.23	158

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	23	15	V	1.6	1.5	1.45	210
180970073	2012	10	23	16	V	0.08	5.4	1.93	216
180970073	2012	10	23	17	V	1.1	3.5	3.17	223
180970073	2012	10	23	18	V	0.07	2.2	3.29	218
180970073	2012	10	23	19	V	0.06	1.3	2.22	194
180970073	2012	10	23	20	V	0.04	0.8	2.86	167
180970073	2012	10	23	21	V	0.03	2.1	3.52	161
180970073	2012	10	23	22	V	0.03	2.3	3.97	170
180970073	2012	10	23	23	V	0.03	1.4	3.88	167
180970073	2012	10	23	24	V	0.03	0.9	2.66	160
180970073	2012	10	24	1	V	0.04	0.6	2.54	154
180970073	2012	10	24	2	V	0.04	0.6	2.49	147
180970073	2012	10	24	3	V	0.05	0.8	2.16	136
180970073	2012	10	24	4	V	0.04	0.7	2.55	154
180970073	2012	10	24	5	V	0.03	0.7	2.98	155
180970073	2012	10	24	6	V	0.04	0.9	4	161
180970073	2012	10	24	7	V	0.1	0.8	3.9	168
180970073	2012	10	24	8	V	0.3	0.9	2.95	172
180970073	2012	10	24	9	V	0.2	1.5	3.56	186
180970073	2012	10	24	10	V	0.05	1.5	5.65	198
180970073	2012	10	24	11	V	0.08	-999	4.65	193
180970073	2012	10	24	12	V	0.1	-999	4.25	204
180970073	2012	10	24	13	V	0.06	-999	4.66	179
180970073	2012	10	24	14	V	0.03	0.4	5.75	183
180970073	2012	10	24	15	V	0.02	0.1	5.72	189
180970073	2012	10	24	16	V	0.04	0.2	6.11	187
180970073	2012	10	24	17	V	0.03	0.2	6.21	185
180970073	2012	10	24	18	V	0.03	0.5	4.7	182
180970073	2012	10	24	19	V	0.03	0.9	3.95	181
180970073	2012	10	24	20	V	0.03	0.6	3.76	176
180970073	2012	10	24	21	V	0.03	0	4.24	157
180970073	2012	10	24	22	V	0.03	0	4.46	166
180970073	2012	10	24	23	V	0.02	0	4.7	158
180970073	2012	10	24	24	V	0.02	0.2	4.82	166
180970073	2012	10	25	1	V	0.02	0	4.22	160
180970073	2012	10	25	2	V	0.02	0	4.1	149
180970073	2012	10	25	3	V	0.02	0	4.22	146
180970073	2012	10	25	4	V	0.02	0	5.31	163
180970073	2012	10	25	5	V	0.02	0.1	3.86	149
180970073	2012	10	25	6	V	0.03	0.2	2.84	134
180970073	2012	10	25	7	V	0.2	0.1	2.81	157
180970073	2012	10	25	8	V	0.1	0.5	3.54	160
180970073	2012	10	25	9	V	0.09	1.4	3.75	153
180970073	2012	10	25	10	V	0.05	1.3	4.71	164
180970073	2012	10	25	11	V	0.01	1	6.77	192
180970073	2012	10	25	12	V	0.01	0.6	8.37	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	25	13	V	0.01	0.1	7.57	191
180970073	2012	10	25	14	V	0.01	0.5	8.44	197
180970073	2012	10	25	15	V	0.01	0.2	8.78	187
180970073	2012	10	25	16	V	0.02	0.3	9.13	181
180970073	2012	10	25	17	V	0.02	2.2	7.26	187
180970073	2012	10	25	18	V	0.02	1.9	7.37	184
180970073	2012	10	25	19	V	0.02	1.4	6.07	180
180970073	2012	10	25	20	V	0.03	1.2	6.31	174
180970073	2012	10	25	21	V	0.02	1.2	6.3	174
180970073	2012	10	25	22	V	0.03	0.7	4.92	176
180970073	2012	10	25	23	V	0.03	0.4	6.38	191
180970073	2012	10	25	24	V	0.02	0.1	8.62	304
180970073	2012	10	26	1	V	0.02	0	7.84	307
180970073	2012	10	26	2	V	0.02	0	7.99	315
180970073	2012	10	26	3	V	0.02	0	7.71	314
180970073	2012	10	26	4	V	0.03	0	6.7	323
180970073	2012	10	26	5	V	0.03	0	6.48	315
180970073	2012	10	26	6	V	0.03	0	6.65	343
180970073	2012	10	26	7	V	0.04	0	5.94	335
180970073	2012	10	26	8	V	0.02	0	5.92	345
180970073	2012	10	26	9	V	0.01	0	7.01	360
180970073	2012	10	26	10	V	0.01	0	7.09	2
180970073	2012	10	26	11	V	0.01	0	6.62	354
180970073	2012	10	26	12	V	0.02	0	5.85	360
180970073	2012	10	26	13	V	0.02	0	5.89	357
180970073	2012	10	26	14	V	0.01	0	6.36	359
180970073	2012	10	26	15	V	0.05	0	5.85	354
180970073	2012	10	26	16	V	0.04	0	5.5	359
180970073	2012	10	26	17	V	0.04	0	5.36	2
180970073	2012	10	26	18	V	0.03	0	5.92	350
180970073	2012	10	26	19	V	0.03	0	6.65	353
180970073	2012	10	26	20	V	0.04	0	6.12	355
180970073	2012	10	26	21	V	0.04	0	5.9	360
180970073	2012	10	26	22	V	0.03	0	5.75	356
180970073	2012	10	26	23	V	0.03	0	6.7	352
180970073	2012	10	26	24	V	0.03	0	6.45	354
180970073	2012	10	27	1	V	0.02	0	5.6	356
180970073	2012	10	27	2	V	0.03	0	5.73	357
180970073	2012	10	27	3	V	0.03	0	5.94	2
180970073	2012	10	27	4	V	0.03	0	5.62	5
180970073	2012	10	27	5	V	0.03	0	4.88	358
180970073	2012	10	27	6	V	0.02	0	4.9	1
180970073	2012	10	27	7	V	0.04	0	4.92	358
180970073	2012	10	27	8	V	0.06	0	5	8
180970073	2012	10	27	9	V	0.04	0	5.6	11
180970073	2012	10	27	10	V	0.02	0	6.52	21

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	27	11	V	0.02	0	7.03	20
180970073	2012	10	27	12	V	0.02	0	7.08	22
180970073	2012	10	27	13	V	0.02	0	6.29	3
180970073	2012	10	27	14	V	0.01	0	7.28	5
180970073	2012	10	27	15	V	0.01	0	6.53	4
180970073	2012	10	27	16	V	0.02	0	6.23	6
180970073	2012	10	27	17	V	0.02	0	5.97	1
180970073	2012	10	27	18	V	0.03	0	4.99	360
180970073	2012	10	27	19	V	0.03	0	4.39	357
180970073	2012	10	27	20	V	0.04	0	4.53	360
180970073	2012	10	27	21	V	0.03	0	5.24	351
180970073	2012	10	27	22	V	0.03	0	5.96	359
180970073	2012	10	27	23	V	0.03	-999	5.99	9
180970073	2012	10	27	24	V	0.03	0	4.61	3
180970073	2012	10	28	1	V	0.02	0	5.34	6
180970073	2012	10	28	2	V	0.03	0	4.88	7
180970073	2012	10	28	3	V	0.02	-999	4.05	4
180970073	2012	10	28	4	V	0.02	-999	3.66	358
180970073	2012	10	28	5	V	0.03	-999	4	353
180970073	2012	10	28	6	V	0.02	-999	4.39	4
180970073	2012	10	28	7	V	0.04	-999	4.73	360
180970073	2012	10	28	8	V	0.03	-999	5.72	12
180970073	2012	10	28	9	V	0.03	-999	5.55	14
180970073	2012	10	28	10	V	0.02	-999	6.41	18
180970073	2012	10	28	11	V	0.02	-999	6.58	20
180970073	2012	10	28	12	V	0.02	-999	6.36	16
180970073	2012	10	28	13	V	0.02	-999	6.55	5
180970073	2012	10	28	14	V	0.02	-999	6.45	357
180970073	2012	10	28	15	V	0.01	-999	7.03	352
180970073	2012	10	28	16	V	0.04	-999	6.92	346
180970073	2012	10	28	17	V	0.04	-999	6.87	353
180970073	2012	10	28	18	V	0.04	-999	6.53	355
180970073	2012	10	28	19	V	0.04	-999	6.07	356
180970073	2012	10	28	20	V	0.04	-999	6.21	351
180970073	2012	10	28	21	V	0.04	-999	6.01	353
180970073	2012	10	28	22	V	0.04	-999	6.7	355
180970073	2012	10	28	23	V	0.03	-999	5.46	355
180970073	2012	10	28	24	V	0.03	-999	4.44	339
180970073	2012	10	29	1	V	0.02	-999	4.31	332
180970073	2012	10	29	2	V	0.02	0	4.17	340
180970073	2012	10	29	3	V	0.02	-999	5.26	347
180970073	2012	10	29	4	V	0.02	0	6.67	348
180970073	2012	10	29	5	V	0.02	-999	6.67	339
180970073	2012	10	29	6	V	0.03	-999	6.82	341
180970073	2012	10	29	7	V	0.02	-999	5.82	343
180970073	2012	10	29	8	V	0.01	-999	6.89	350

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	29	9	V	0.01	-999	7.54	353
180970073	2012	10	29	10	V	0.01	-999	8.37	351
180970073	2012	10	29	11	V	0.01	-999	9.59	352
180970073	2012	10	29	12	V	0.01	-999	10.15	352
180970073	2012	10	29	13	V	0.01	-999	10.75	349
180970073	2012	10	29	14	V	0.004	-999	12.06	345
180970073	2012	10	29	15	V	0.004	-999	11.82	344
180970073	2012	10	29	16	V	0.03	-999	11.4	340
180970073	2012	10	29	17	V	0.03	-999	10.58	336
180970073	2012	10	29	18	V	0.03	-999	10.38	331
180970073	2012	10	29	19	V	0.03	-999	10.27	329
180970073	2012	10	29	20	V	0.03	-999	10.73	332
180970073	2012	10	29	21	V	0.02	-999	11.06	319
180970073	2012	10	29	22	V	0.02	-999	8.46	320
180970073	2012	10	29	23	V	0.02	-999	7.96	319
180970073	2012	10	29	24	V	0.02	-999	9.56	307
180970073	2012	10	30	1	V	0.02	-999	9.56	320
180970073	2012	10	30	2	V	0.02	-999	8.46	310
180970073	2012	10	30	3	V	0.02	-999	11.06	306
180970073	2012	10	30	4	V	0.02	-999	8.96	307
180970073	2012	10	30	5	V	0.02	-999	10.56	310
180970073	2012	10	30	6	V	0.02	-999	10.56	307
180970073	2012	10	30	7	V	0.03	-999	10.56	315
180970073	2012	10	30	8	V	0.01	-999	11.06	321
180970073	2012	10	30	9	V	0.01	-999	10.56	296
180970073	2012	10	30	10	V	0.01	-999	9.56	314
180970073	2012	10	30	11	V	0.01	-999	8.46	309
180970073	2012	10	30	12	V	0.01	-999	9.06	311
180970073	2012	10	30	13	V	0.01	-999	9.56	305
180970073	2012	10	30	14	V	0.01	-999	9.06	314
180970073	2012	10	30	15	V	0.03	0	10.06	310
180970073	2012	10	30	16	V	0.03	0	11.56	311
180970073	2012	10	30	17	V	0.03	0	10.56	309
180970073	2012	10	30	18	V	0.03	0	9.06	313
180970073	2012	10	30	19	V	0.03	0	8.96	309
180970073	2012	10	30	20	V	0.03	0	9.06	314
180970073	2012	10	30	21	V	0.03	0	7.96	296
180970073	2012	10	30	22	V	0.04	0	6.46	298
180970073	2012	10	30	23	V	0.03	-999	6.46	304
180970073	2012	10	30	24	V	0.03	-999	6.96	307
180970073	2012	10	31	1	V	0.03	0	7.4	308
180970073	2012	10	31	2	V	0.03	0	7.23	307
180970073	2012	10	31	3	V	0.03	0	6.57	294
180970073	2012	10	31	4	V	0.03	0	6.87	285
180970073	2012	10	31	5	V	0.03	0	6.89	289
180970073	2012	10	31	6	V	0.03	0	7.11	292

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	10	31	7	V	0.02	0	6.35	295
180970073	2012	10	31	8	V	0.02	0	6.21	292
180970073	2012	10	31	9	V	0.02	0	6.87	296
180970073	2012	10	31	10	V	0.02	0	7.18	298
180970073	2012	10	31	11	V	0.01	0	7.18	294
180970073	2012	10	31	12	V	0.02	0	6.7	281
180970073	2012	10	31	13	V	0.02	0	6.91	284
180970073	2012	10	31	14	V	0.01	0	7.89	285
180970073	2012	10	31	15	V	0.04	0	7.62	294
180970073	2012	10	31	16	V	0.04	0	7.28	299
180970073	2012	10	31	17	V	0.03	0	7.45	303
180970073	2012	10	31	18	V	0.04	0	5.89	310
180970073	2012	10	31	19	V	0.04	0	5.26	316
180970073	2012	10	31	20	V	0.04	0	3.2	298
180970073	2012	10	31	21	V	0.04	0	3.15	275
180970073	2012	10	31	22	V	0.04	0	3.17	270
180970073	2012	10	31	23	V	0.04	0	4.24	270
180970073	2012	10	31	24	V	0.04	0	4.56	284
180970073	2012	11	1	1	V	0.03	0	4.75	282
180970073	2012	11	1	2	V	0.03	0	3.97	280
180970073	2012	11	1	3	V	0.03	0	3.88	279
180970073	2012	11	1	4	V	0.03	0	4.39	293
180970073	2012	11	1	5	V	0.03	0	4.26	290
180970073	2012	11	1	6	V	0.03	0.1	3.9	279
180970073	2012	11	1	7	V	0.2	0.4	4.19	268
180970073	2012	11	1	8	V	3.4	0.2	3.78	259
180970073	2012	11	1	9	V	0.1	0	4.46	276
180970073	2012	11	1	10	V	0.06	0	5.38	290
180970073	2012	11	1	11	V	0.08	0	5.05	288
180970073	2012	11	1	12	V	0.04	0	5.8	286
180970073	2012	11	1	13	V	0.03	0	6.65	286
180970073	2012	11	1	14	V	0.02	0	7.35	287
180970073	2012	11	1	15	V	0.01	0	7.09	280
180970073	2012	11	1	16	V	1.0	0	7.25	262
180970073	2012	11	1	17	V	2.4	0	6.55	259
180970073	2012	11	1	18	V	6.0	0	4.66	248
180970073	2012	11	1	19	V	3.5	0	3.46	244
180970073	2012	11	1	20	V	2.2	1.5	2.81	244
180970073	2012	11	1	21	V	11.5	2.1	2.5	251
180970073	2012	11	1	22	V	3.6	1.6	1.99	242
180970073	2012	11	1	23	V	1.4	0.5	0.7	297
180970073	2012	11	1	24	V	0.5	0	1.09	104
180970073	2012	11	2	1	V	10.5	0	0.55	243
180970073	2012	11	2	2	V	0.07	0	2.08	291
180970073	2012	11	2	3	V	0.03	0	4.22	359
180970073	2012	11	2	4	V	0.03	0	4.15	4

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	2	5	V	0.03	0	3.22	357
180970073	2012	11	2	6	V	0.05	0	2.66	324
180970073	2012	11	2	7	V	0.2	0.1	3.35	333
180970073	2012	11	2	8	V	0.2	0.2	3.91	338
180970073	2012	11	2	9	V	0.2	0.6	3.83	356
180970073	2012	11	2	10	V	0.07	0	5.05	13
180970073	2012	11	2	11	V	0.05	0	5.43	13
180970073	2012	11	2	12	V	0.1	0	3.56	348
180970073	2012	11	2	13	V	0.07	0	4.43	324
180970073	2012	11	2	14	V	0.06	0	4.34	322
180970073	2012	11	2	15	V	0.02	0	4.41	322
180970073	2012	11	2	16	V	0.04	0	4.07	327
180970073	2012	11	2	17	V	0.04	0	4.15	315
180970073	2012	11	2	18	V	0.04	0	3.66	318
180970073	2012	11	2	19	V	0.04	0	3.63	354
180970073	2012	11	2	20	V	0.04	0	2.84	359
180970073	2012	11	2	21	V	0.03	0	3.91	8
180970073	2012	11	2	22	V	0.03	0	3.15	5
180970073	2012	11	2	23	V	0.03	0	3.54	14
180970073	2012	11	2	24	V	0.03	0	3.37	15
180970073	2012	11	3	1	V	0.03	0	3.27	26
180970073	2012	11	3	2	V	0.03	0	3.37	25
180970073	2012	11	3	3	V	0.03	0	3.61	30
180970073	2012	11	3	4	V	0.05	0	2.5	40
180970073	2012	11	3	5	V	0.05	0	2.67	45
180970073	2012	11	3	6	V	0.04	0	3.1	55
180970073	2012	11	3	7	V	0.08	0	2.01	71
180970073	2012	11	3	8	V	0.2	0	3.69	86
180970073	2012	11	3	9	V	0.1	0	3.49	89
180970073	2012	11	3	10	V	0.2	0	2.93	80
180970073	2012	11	3	11	V	0.3	0	2.32	68
180970073	2012	11	3	12	V	0.1	0	3.61	101
180970073	2012	11	3	13	V	0.1	0	3.39	76
180970073	2012	11	3	14	V	0.07	0	3.81	72
180970073	2012	11	3	15	V	0.06	0	3.88	43
180970073	2012	11	3	16	V	0.05	0	4.41	38
180970073	2012	11	3	17	V	0.04	0	3.85	44
180970073	2012	11	3	18	V	0.04	0	4.37	34
180970073	2012	11	3	19	V	0.04	0	3.32	35
180970073	2012	11	3	20	V	0.04	0	3.59	29
180970073	2012	11	3	21	V	0.04	0	3.03	27
180970073	2012	11	3	22	V	0.07	0	2.28	8
180970073	2012	11	3	23	V	0.05	0	2.71	353
180970073	2012	11	3	24	V	0.1	0	1.93	338
180970073	2012	11	4	1	V	0.03	0	3.03	332
180970073	2012	11	4	2	V	0.05	0	2.64	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	4	3	V	0.05	0	2.71	355
180970073	2012	11	4	4	V	0.03	0	3.34	3
180970073	2012	11	4	5	V	0.03	0	3	16
180970073	2012	11	4	6	V	0.05	0	2.45	16
180970073	2012	11	4	7	V	0.5	0	1.82	2
180970073	2012	11	4	8	V	0.4	0	2.38	357
180970073	2012	11	4	9	V	0.8	0	1.91	22
180970073	2012	11	4	10	V	0.2	0	3.42	31
180970073	2012	11	4	11	V	0.08	0	4.51	21
180970073	2012	11	4	12	V	0.04	0	4.99	4
180970073	2012	11	4	13	V	0.04	0	5.26	2
180970073	2012	11	4	14	V	0.04	0	4.25	357
180970073	2012	11	4	15	V	0.06	0	4.63	329
180970073	2012	11	4	16	V	0.04	0	4.24	339
180970073	2012	11	4	17	V	0.04	0	3.69	339
180970073	2012	11	4	18	V	0.04	0	2.67	348
180970073	2012	11	4	19	V	0.06	0	2.18	28
180970073	2012	11	4	20	V	0.08	0	2.11	48
180970073	2012	11	4	21	V	0.2	0	1.6	55
180970073	2012	11	4	22	C	-999	0	0	0
180970073	2012	11	4	23	V	1.0	0	0.86	292
180970073	2012	11	4	24	V	0.3	0	1.43	284
180970073	2012	11	5	1	V	0.2	0	1.54	296
180970073	2012	11	5	2	V	0.2	0	1.53	312
180970073	2012	11	5	3	V	0.2	0	1.65	348
180970073	2012	11	5	4	V	0.3	0	1.48	320
180970073	2012	11	5	5	V	0.3	0	1.25	330
180970073	2012	11	5	6	V	1.7	0	0.6	29
180970073	2012	11	5	7	V	2.1	0.1	0.87	354
180970073	2012	11	5	8	V	1.4	0.2	1.54	2
180970073	2012	11	5	9	V	1.0	0	1.72	43
180970073	2012	11	5	10	V	0.7	0	1.89	84
180970073	2012	11	5	11	V	0.2	0	2.59	86
180970073	2012	11	5	12	V	0.2	0	2.57	94
180970073	2012	11	5	13	V	0.2	0	2.23	66
180970073	2012	11	5	14	V	0.1	0	2.57	74
180970073	2012	11	5	15	V	0.02	0	2.71	88
180970073	2012	11	5	16	V	0.04	0	2.78	97
180970073	2012	11	5	17	V	0.04	0	3.12	103
180970073	2012	11	5	18	V	0.05	0	2.38	110
180970073	2012	11	5	19	V	0.08	0	2.1	62
180970073	2012	11	5	20	V	0.3	0	1.42	101
180970073	2012	11	5	21	V	0.2	0	1.67	48
180970073	2012	11	5	22	V	0.04	0	2.93	32
180970073	2012	11	5	23	V	0.05	0	2.83	46
180970073	2012	11	5	24	V	0.03	0	3.08	39

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	6	1	V	0.05	0	2.52	31
180970073	2012	11	6	2	V	0.03	0	3.12	43
180970073	2012	11	6	3	V	0.06	0	2.45	36
180970073	2012	11	6	4	V	0.08	0	2.03	36
180970073	2012	11	6	5	V	0.09	0	1.99	67
180970073	2012	11	6	6	V	0.09	0	1.96	66
180970073	2012	11	6	7	V	0.09	0	2.01	58
180970073	2012	11	6	8	V	0.6	0	2.16	68
180970073	2012	11	6	9	V	1.4	0.6	1.43	64
180970073	2012	11	6	10	V	0.2	2.8	2.95	127
180970073	2012	11	6	11	V	0.3	2.8	2.78	134
180970073	2012	11	6	12	V	0.3	3.5	2.66	144
180970073	2012	11	6	13	V	0.2	4.9	2.98	177
180970073	2012	11	6	14	V	0.07	4.8	2.52	179
180970073	2012	11	6	15	V	0.1	4.8	1.98	215
180970073	2012	11	6	16	V	0.2	6	1.53	144
180970073	2012	11	6	17	V	0.06	5.7	2.18	121
180970073	2012	11	6	18	V	0.2	5.3	1.57	121
180970073	2012	11	6	19	V	0.6	4.2	1.04	288
180970073	2012	11	6	20	V	0.05	3.6	2.33	285
180970073	2012	11	6	21	V	0.04	2.5	3.69	279
180970073	2012	11	6	22	V	0.05	1.6	2.36	277
180970073	2012	11	6	23	C	-999	0.9	0	0
180970073	2012	11	6	24	C	-999	0	0	0
180970073	2012	11	7	1	C	-999	0	0	0
180970073	2012	11	7	2	C	-999	0	0	0
180970073	2012	11	7	3	C	-999	0	0	0
180970073	2012	11	7	4	C	-999	0.1	0	0
180970073	2012	11	7	5	V	0.1	0.2	1.76	49
180970073	2012	11	7	6	V	0.04	0.2	2.36	22
180970073	2012	11	7	7	V	0.06	0.4	2.49	40
180970073	2012	11	7	8	V	0.2	0.6	3.08	46
180970073	2012	11	7	9	V	0.3	0.7	2.98	47
180970073	2012	11	7	10	V	0.2	1.1	2.62	58
180970073	2012	11	7	11	V	0.3	2.6	2.1	44
180970073	2012	11	7	12	V	0.3	2.8	2.1	34
180970073	2012	11	7	13	V	0.2	2.3	2.25	22
180970073	2012	11	7	14	V	0.2	1.6	2.33	357
180970073	2012	11	7	15	V	0.02	1.1	2.74	354
180970073	2012	11	7	16	V	0.04	1.5	3.01	330
180970073	2012	11	7	17	V	0.04	1.3	3.61	330
180970073	2012	11	7	18	V	0.03	1.4	3.37	325
180970073	2012	11	7	19	V	0.03	1.1	3.34	327
180970073	2012	11	7	20	V	0.04	0.7	3.03	331
180970073	2012	11	7	21	V	0.05	0.1	2.74	318
180970073	2012	11	7	22	V	0.04	0.3	3.15	317

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	7	23	V	0.03	0.1	3.64	315
180970073	2012	11	7	24	V	0.03	0	3.57	321
180970073	2012	11	8	1	V	0.03	0	3.78	326
180970073	2012	11	8	2	V	0.03	0	3.03	334
180970073	2012	11	8	3	V	0.1	0	1.72	307
180970073	2012	11	8	4	V	0.2	0	1.45	316
180970073	2012	11	8	5	V	0.06	0	2.38	312
180970073	2012	11	8	6	V	0.7	0	1.01	315
180970073	2012	11	8	7	V	1.5	0.1	1.65	261
180970073	2012	11	8	8	V	11.1	0.2	0.87	252
180970073	2012	11	8	9	V	3.7	0	1.59	259
180970073	2012	11	8	10	V	2.2	0.7	0.8	249
180970073	2012	11	8	11	V	2.1	1.5	0.7	191
180970073	2012	11	8	12	V	2.0	1.6	0.84	90
180970073	2012	11	8	13	V	1.2	1.2	1.55	268
180970073	2012	11	8	14	V	2.0	10.4	3.4	254
180970073	2012	11	8	15	V	7.5	2.8	2.86	246
180970073	2012	11	8	16	V	2.7	27.8	2.61	245
180970073	2012	11	8	17	V	5.7	16.9	3.05	247
180970073	2012	11	8	18	V	0.3	8.4	2.93	262
180970073	2012	11	8	19	V	0.5	3.2	1.08	275
180970073	2012	11	8	20	V	38.7	1.5	1.98	232
180970073	2012	11	8	21	V	0.08	0.8	2.18	210
180970073	2012	11	8	22	V	0.3	0.4	1.31	181
180970073	2012	11	8	23	V	0.1	0.3	1.86	136
180970073	2012	11	8	24	V	0.1	0.4	1.93	149
180970073	2012	11	9	1	V	0.1	0.3	1.94	143
180970073	2012	11	9	2	V	0.1	0.1	1.72	158
180970073	2012	11	9	3	V	0.08	0	2.13	139
180970073	2012	11	9	4	V	0.09	0	2.03	128
180970073	2012	11	9	5	V	0.09	0	2.08	132
180970073	2012	11	9	6	V	0.04	0	2.86	125
180970073	2012	11	9	7	V	0.06	0	2.93	134
180970073	2012	11	9	8	V	0.2	0	3.73	133
180970073	2012	11	9	9	V	0.1	0.6	4.27	146
180970073	2012	11	9	10	V	0.2	3	3.93	164
180970073	2012	11	9	11	V	0.06	4.1	4.94	173
180970073	2012	11	9	12	V	0.04	2.9	5.68	167
180970073	2012	11	9	13	V	0.04	2.2	5.68	165
180970073	2012	11	9	14	V	0.02	2.1	6.16	166
180970073	2012	11	9	15	V	0.02	2	5.77	176
180970073	2012	11	9	16	V	0.04	2.5	5.82	185
180970073	2012	11	9	17	V	0.04	2.8	5.04	160
180970073	2012	11	9	18	V	0.04	2.5	4.85	155
180970073	2012	11	9	19	V	0.04	4.2	4.88	150
180970073	2012	11	9	20	V	0.03	2.9	4.48	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	9	21	V	0.03	1.3	4.66	145
180970073	2012	11	9	22	V	0.03	1	4.78	146
180970073	2012	11	9	23	V	0.03	1.1	3.97	154
180970073	2012	11	9	24	V	0.03	0.9	3.32	168
180970073	2012	11	10	1	V	0.05	1	2.39	136
180970073	2012	11	10	2	V	0.04	1	2.25	150
180970073	2012	11	10	3	V	0.04	1.1	2.28	153
180970073	2012	11	10	4	V	0.03	1.1	4.02	177
180970073	2012	11	10	5	V	0.03	1	4.02	168
180970073	2012	11	10	6	V	0.03	0.8	3.86	164
180970073	2012	11	10	7	V	0.06	1	4.03	173
180970073	2012	11	10	8	V	0.08	1.3	4.34	179
180970073	2012	11	10	9	V	0.06	1.4	4.97	182
180970073	2012	11	10	10	V	0.03	1.7	6.09	187
180970073	2012	11	10	11	V	0.02	1.8	6.84	192
180970073	2012	11	10	12	V	0.02	1.5	7.18	187
180970073	2012	11	10	13	V	0.01	1.3	7.88	185
180970073	2012	11	10	14	V	0.01	1.4	7.69	181
180970073	2012	11	10	15	V	0.01	1.1	7.26	191
180970073	2012	11	10	16	V	0.03	0.7	7.08	188
180970073	2012	11	10	17	V	0.03	0.9	6.86	183
180970073	2012	11	10	18	V	0.03	1.5	5	183
180970073	2012	11	10	19	V	0.03	1.3	5.5	173
180970073	2012	11	10	20	V	0.03	0.9	5.21	169
180970073	2012	11	10	21	V	0.03	0.5	4.76	163
180970073	2012	11	10	22	V	0.03	0.5	4.15	160
180970073	2012	11	10	23	V	0.03	-999	5.55	171
180970073	2012	11	10	24	V	0.03	0.3	6.89	181
180970073	2012	11	11	1	V	0.02	0.6	8.13	182
180970073	2012	11	11	2	V	0.02	0.5	7.5	183
180970073	2012	11	11	3	V	0.03	0.3	5.85	186
180970073	2012	11	11	4	V	0.03	0.3	5.7	178
180970073	2012	11	11	5	V	0.03	0.4	6.36	178
180970073	2012	11	11	6	V	0.02	0.4	6.36	177
180970073	2012	11	11	7	V	0.01	0.3	5.97	171
180970073	2012	11	11	8	V	0.04	0.5	4.99	158
180970073	2012	11	11	9	V	0.03	1.1	6.09	163
180970073	2012	11	11	10	V	0.01	1.8	7.13	171
180970073	2012	11	11	11	V	0.01	1.8	9.05	182
180970073	2012	11	11	12	V	0.01	1	10.41	181
180970073	2012	11	11	13	V	0.01	0.5	11.26	184
180970073	2012	11	11	14	V	0.01	0.1	10.17	184
180970073	2012	11	11	15	V	0.004	0.1	10.24	179
180970073	2012	11	11	16	V	0.03	0.2	8.2	174
180970073	2012	11	11	17	V	0.03	0	7.77	170
180970073	2012	11	11	18	V	0.04	0.1	7.26	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	11	19	V	0.04	0	7.76	150
180970073	2012	11	11	20	V	0.04	0.2	8.93	167
180970073	2012	11	11	21	V	0.04	0	7.52	164
180970073	2012	11	11	22	V	0.04	0	9.35	177
180970073	2012	11	11	23	V	0.03	0.5	10.43	188
180970073	2012	11	11	24	V	0.03	0	8.57	186
180970073	2012	11	12	1	V	0.03	0	7.3	180
180970073	2012	11	12	2	V	0.02	0	8	191
180970073	2012	11	12	3	V	0.03	0	5.26	202
180970073	2012	11	12	4	V	0.03	0	3.95	285
180970073	2012	11	12	5	V	0.03	0	3.37	280
180970073	2012	11	12	6	V	0.02	0	8.03	293
180970073	2012	11	12	7	V	0.04	0	5.44	303
180970073	2012	11	12	8	V	0.01	0	7.32	298
180970073	2012	11	12	9	V	0.01	0	7.52	283
180970073	2012	11	12	10	V	0.02	0	6.58	271
180970073	2012	11	12	11	V	0.02	0	6.5	270
180970073	2012	11	12	12	V	0.01	0	7.71	272
180970073	2012	11	12	13	V	0.04	0	7.96	268
180970073	2012	11	12	14	V	0.02	0	8.51	269
180970073	2012	11	12	15	V	0.1	0	8.47	269
180970073	2012	11	12	16	V	0.1	0	8.15	267
180970073	2012	11	12	17	V	0.8	0	7.35	262
180970073	2012	11	12	18	V	1.5	0	6.58	260
180970073	2012	11	12	19	V	0.5	0	6.33	263
180970073	2012	11	12	20	V	7.3	0	4.65	253
180970073	2012	11	12	21	V	12.2	2.1	3.88	238
180970073	2012	11	12	22	V	0.04	7.5	3.32	220
180970073	2012	11	12	23	V	3.8	4.2	3.35	226
180970073	2012	11	12	24	V	12.4	4.4	4.02	238
180970073	2012	11	13	1	V	3.5	5	3.64	246
180970073	2012	11	13	2	V	1.0	1.1	3.51	243
180970073	2012	11	13	3	V	2.6	0.6	3.32	240
180970073	2012	11	13	4	V	9.2	0.1	3.46	253
180970073	2012	11	13	5	V	0.5	0	3.29	261
180970073	2012	11	13	6	V	3.2	0	3.25	246
180970073	2012	11	13	7	V	14.9	0	2.93	237
180970073	2012	11	13	8	V	2.9	0	2.64	264
180970073	2012	11	13	9	V	0.3	0.3	2.93	297
180970073	2012	11	13	10	V	0.2	0.2	3.17	319
180970073	2012	11	13	11	V	0.1	0.1	3.9	323
180970073	2012	11	13	12	V	0.2	0	3.07	310
180970073	2012	11	13	13	V	0.2	0	2.96	314
180970073	2012	11	13	14	V	0.2	0	2.84	315
180970073	2012	11	13	15	V	0.05	0	2.57	327
180970073	2012	11	13	16	V	0.09	0	2.1	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	13	17	V	0.07	0	2.3	301
180970073	2012	11	13	18	V	0.07	0	2.32	311
180970073	2012	11	13	19	V	0.09	0	2.15	324
180970073	2012	11	13	20	V	0.09	0	2.06	338
180970073	2012	11	13	21	V	0.06	0	2.61	30
180970073	2012	11	13	22	V	0.1	0	2.01	54
180970073	2012	11	13	23	V	0.08	0	2.1	73
180970073	2012	11	13	24	V	0.05	0	2.61	81
180970073	2012	11	14	1	V	0.3	0	1.33	74
180970073	2012	11	14	2	V	0.3	0	1.28	68
180970073	2012	11	14	3	V	0.1	0	1.91	23
180970073	2012	11	14	4	V	0.06	0	2.56	47
180970073	2012	11	14	5	V	0.06	0	2.47	45
180970073	2012	11	14	6	V	0.06	0	2.5	61
180970073	2012	11	14	7	V	0.07	0	2.61	65
180970073	2012	11	14	8	V	0.4	0	2.59	58
180970073	2012	11	14	9	V	0.4	0.2	2.88	85
180970073	2012	11	14	10	V	0.3	0	3.4	91
180970073	2012	11	14	11	V	0.2	0.1	3.95	112
180970073	2012	11	14	12	V	0.1	0.4	4.02	114
180970073	2012	11	14	13	V	0.1	0.6	3.85	117
180970073	2012	11	14	14	V	0.2	0.4	2.72	105
180970073	2012	11	14	15	V	0.07	0.8	2.76	83
180970073	2012	11	14	16	V	0.05	0.2	2.44	84
180970073	2012	11	14	17	V	0.05	0.3	2.95	78
180970073	2012	11	14	18	V	0.04	0.1	3.39	67
180970073	2012	11	14	19	V	0.04	0	3.22	96
180970073	2012	11	14	20	V	0.05	0	2.45	80
180970073	2012	11	14	21	V	0.05	0	2.61	64
180970073	2012	11	14	22	V	0.08	0	2.18	57
180970073	2012	11	14	23	V	0.07	0	2.25	66
180970073	2012	11	14	24	V	0.05	0	2.71	74
180970073	2012	11	15	1	V	0.06	0	2.45	74
180970073	2012	11	15	2	V	0.09	0	2.05	52
180970073	2012	11	15	3	V	0.07	0	2.23	28
180970073	2012	11	15	4	V	0.08	0	2.16	18
180970073	2012	11	15	5	V	0.1	0	2.04	20
180970073	2012	11	15	6	V	0.07	0	2.28	31
180970073	2012	11	15	7	V	0.1	0	1.79	48
180970073	2012	11	15	8	V	0.7	0.1	1.77	42
180970073	2012	11	15	9	V	1.0	0.2	1.82	34
180970073	2012	11	15	10	V	3.2	0.9	1.18	41
180970073	2012	11	15	11	V	3.6	1.9	0.84	107
180970073	2012	11	15	12	V	1.4	2.9	1.37	57
180970073	2012	11	15	13	V	1.4	3.5	1.37	40
180970073	2012	11	15	14	V	1.4	2.9	1.06	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	15	15	V	0.9	2.8	0.79	28
180970073	2012	11	15	16	V	1.6	2.5	0.65	137
180970073	2012	11	15	17	V	0.9	1.7	0.91	284
180970073	2012	11	15	18	V	0.3	1.1	1.3	275
180970073	2012	11	15	19	V	0.06	0.6	2.38	354
180970073	2012	11	15	20	V	0.1	0.3	1.96	35
180970073	2012	11	15	21	V	0.1	0.2	2.03	8
180970073	2012	11	15	22	V	0.1	0.1	1.79	26
180970073	2012	11	15	23	V	0.2	0.1	1.72	20
180970073	2012	11	15	24	V	0.1	0.2	1.77	10
180970073	2012	11	16	1	V	0.6	0.1	1.06	30
180970073	2012	11	16	2	V	0.2	0.2	1.59	39
180970073	2012	11	16	3	V	0.3	0.1	1.28	2
180970073	2012	11	16	4	V	0.1	0	1.77	7
180970073	2012	11	16	5	V	0.07	0.1	2.33	29
180970073	2012	11	16	6	V	0.06	0.3	2.45	36
180970073	2012	11	16	7	V	0.1	0.1	1.67	5
180970073	2012	11	16	8	V	1.2	0.3	1.45	20
180970073	2012	11	16	9	V	1.2	0.4	1.74	46
180970073	2012	11	16	10	V	3.2	0.7	1.11	46
180970073	2012	11	16	11	V	0.8	1.1	1.91	70
180970073	2012	11	16	12	V	0.5	1.4	2.15	76
180970073	2012	11	16	13	V	0.5	5.1	1.96	84
180970073	2012	11	16	14	V	0.4	5.8	1.82	75
180970073	2012	11	16	15	V	0.1	6.9	1.7	56
180970073	2012	11	16	16	V	0.2	6.6	1.45	35
180970073	2012	11	16	17	V	0.1	6.2	1.79	34
180970073	2012	11	16	18	V	0.07	3	2.28	36
180970073	2012	11	16	19	V	0.05	1.2	2.72	22
180970073	2012	11	16	20	V	0.04	0.7	3.1	33
180970073	2012	11	16	21	V	0.03	0.6	3.15	46
180970073	2012	11	16	22	V	0.04	0.6	3.03	44
180970073	2012	11	16	23	V	0.06	0.8	2.56	50
180970073	2012	11	16	24	V	0.06	0.2	2.3	68
180970073	2012	11	17	1	V	0.04	0.4	2.95	83
180970073	2012	11	17	2	V	0.06	0.3	2.4	71
180970073	2012	11	17	3	V	0.05	0.2	2.59	72
180970073	2012	11	17	4	V	0.09	0	1.99	74
180970073	2012	11	17	5	V	0.1	0.3	1.94	78
180970073	2012	11	17	6	V	0.2	0.5	1.64	54
180970073	2012	11	17	7	V	0.1	0.2	1.93	14
180970073	2012	11	17	8	V	0.3	0.3	2.89	24
180970073	2012	11	17	9	V	0.3	1.9	3.37	40
180970073	2012	11	17	10	V	0.4	3.6	2.67	49
180970073	2012	11	17	11	V	0.4	3.3	2.57	89
180970073	2012	11	17	12	V	0.3	4.5	2.61	113

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	17	13	V	0.3	5.8	2.62	103
180970073	2012	11	17	14	V	0.3	6.9	2.18	90
180970073	2012	11	17	15	V	0.06	2.8	3.05	88
180970073	2012	11	17	16	V	0.03	2.1	3.95	88
180970073	2012	11	17	17	V	0.03	2.5	3.52	83
180970073	2012	11	17	18	V	0.05	1.5	2.62	77
180970073	2012	11	17	19	V	0.06	1.1	2.37	59
180970073	2012	11	17	20	V	0.03	1	3.52	72
180970073	2012	11	17	21	V	0.03	0.7	3.47	72
180970073	2012	11	17	22	V	0.03	0.6	3.35	67
180970073	2012	11	17	23	V	0.04	-999	3.37	86
180970073	2012	11	17	24	V	0.04	0.7	3.05	91
180970073	2012	11	18	1	V	0.05	0.8	2.39	88
180970073	2012	11	18	2	V	0.04	0.7	2.93	91
180970073	2012	11	18	3	V	0.1	0.6	1.81	89
180970073	2012	11	18	4	V	0.07	0.7	2.11	83
180970073	2012	11	18	5	V	0.07	0.5	2.11	79
180970073	2012	11	18	6	V	0.04	0.2	2.79	72
180970073	2012	11	18	7	V	0.05	0	2.81	72
180970073	2012	11	18	8	V	0.5	0	1.91	60
180970073	2012	11	18	9	V	1.0	1.7	1.82	57
180970073	2012	11	18	10	V	0.9	5	2.01	84
180970073	2012	11	18	11	V	0.6	8	1.93	127
180970073	2012	11	18	12	V	0.9	6.7	1.42	68
180970073	2012	11	18	13	V	1.3	5.2	1.3	76
180970073	2012	11	18	14	V	0.3	4.2	1.94	99
180970073	2012	11	18	15	V	0.07	6.2	2.32	109
180970073	2012	11	18	16	V	0.03	3.2	3.13	111
180970073	2012	11	18	17	V	0.03	2.6	2.88	125
180970073	2012	11	18	18	V	0.07	2.3	1.84	137
180970073	2012	11	18	19	V	0.3	1.8	1.31	104
180970073	2012	11	18	20	V	0.09	1.9	2.05	97
180970073	2012	11	18	21	V	0.03	1.9	3.12	85
180970073	2012	11	18	22	V	0.03	1.4	3.17	101
180970073	2012	11	18	23	V	0.06	1	2.47	108
180970073	2012	11	18	24	V	0.2	0.7	1.54	132
180970073	2012	11	19	1	V	0.06	0.9	2.32	128
180970073	2012	11	19	2	V	0.06	1	2.13	110
180970073	2012	11	19	3	V	0.7	1.2	0.91	63
180970073	2012	11	19	4	V	0.4	0.8	1.13	81
180970073	2012	11	19	5	V	0.1	0.9	1.81	102
180970073	2012	11	19	6	V	0.3	1.3	1.2	101
180970073	2012	11	19	7	V	0.3	1.4	1.25	90
180970073	2012	11	19	8	V	0.8	2.3	1.59	107
180970073	2012	11	19	9	V	1.1	2.8	1.54	62
180970073	2012	11	19	10	V	0.9	3.3	1.98	118

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	19	11	V	1.7	4	1.4	132
180970073	2012	11	19	12	V	0.8	26.4	1.7	136
180970073	2012	11	19	13	V	0.5	17.5	1.93	176
180970073	2012	11	19	14	V	0.4	2	1.64	178
180970073	2012	11	19	15	V	0.1	1.7	1.93	211
180970073	2012	11	19	16	V	9.7	1.8	1.25	250
180970073	2012	11	19	17	V	0.9	2.5	0.91	281
180970073	2012	11	19	18	V	0.3	1.8	1.28	128
180970073	2012	11	19	19	V	0.05	1.4	2.42	146
180970073	2012	11	19	20	V	0.05	1.3	2.57	151
180970073	2012	11	19	21	V	0.05	1.2	2.33	150
180970073	2012	11	19	22	V	0.1	1.1	1.77	149
180970073	2012	11	19	23	V	0.06	0.8	2.06	152
180970073	2012	11	19	24	V	0.3	0.8	1.2	206
180970073	2012	11	20	1	V	0.2	0.5	1.65	217
180970073	2012	11	20	2	V	1.0	0.5	0.74	149
180970073	2012	11	20	3	V	0.2	0.2	1.25	57
180970073	2012	11	20	4	V	0.03	0	2.5	138
180970073	2012	11	20	5	V	0.06	0	1.99	189
180970073	2012	11	20	6	V	0.2	0.1	1.26	153
180970073	2012	11	20	7	V	0.08	0.3	1.82	125
180970073	2012	11	20	8	V	0.5	0.3	2.06	133
180970073	2012	11	20	9	V	0.3	0.9	2.93	137
180970073	2012	11	20	10	V	0.6	1.6	2.37	130
180970073	2012	11	20	11	V	0.4	2.8	2.27	194
180970073	2012	11	20	12	V	6.7	40.4	2.28	256
180970073	2012	11	20	13	V	13.2	69.7	1.03	219
180970073	2012	11	20	14	V	0.7	13.1	1.16	204
180970073	2012	11	20	15	V	29.9	8.2	2.23	232
180970073	2012	11	20	16	V	0.05	12.2	2.54	273
180970073	2012	11	20	17	V	0.1	11.4	1.87	299
180970073	2012	11	20	18	V	0.09	3	2.03	316
180970073	2012	11	20	19	V	0.06	2.5	2.27	323
180970073	2012	11	20	20	V	0.04	2.3	2.89	324
180970073	2012	11	20	21	V	0.05	2	2.55	323
180970073	2012	11	20	22	V	0.06	1.7	2.35	324
180970073	2012	11	20	23	V	0.05	1.4	2.4	338
180970073	2012	11	20	24	V	0.05	1.4	2.33	326
180970073	2012	11	21	1	V	0.04	1	2.91	323
180970073	2012	11	21	2	V	0.04	1	2.95	317
180970073	2012	11	21	3	V	0.04	1	2.84	324
180970073	2012	11	21	4	V	0.03	0.7	2.86	355
180970073	2012	11	21	5	V	0.06	0	2.27	341
180970073	2012	11	21	6	V	0.07	0	2.16	332
180970073	2012	11	21	7	V	0.07	0	2.16	333
180970073	2012	11	21	8	V	0.8	0	1.81	335

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	21	9	V	4.2	0	0.87	300
180970073	2012	11	21	10	V	4.9	1.9	0.8	313
180970073	2012	11	21	11	V	0.9	2.5	1.93	323
180970073	2012	11	21	12	V	0.8	2	1.82	323
180970073	2012	11	21	13	V	0.7	1.5	1.79	304
180970073	2012	11	21	14	V	2.3	0.9	1.25	271
180970073	2012	11	21	15	V	0.1	0.5	1.55	282
180970073	2012	11	21	16	V	26.6	0.5	0.7	233
180970073	2012	11	21	17	V	10.6	0.7	1.01	245
180970073	2012	11	21	18	V	0.4	0.4	1.03	174
180970073	2012	11	21	19	V	0.1	0.5	1.7	176
180970073	2012	11	21	20	V	0.2	0.7	1.67	186
180970073	2012	11	21	21	V	0.2	1.2	1.45	181
180970073	2012	11	21	22	V	7.8	1.3	1.98	248
180970073	2012	11	21	23	V	18.2	1.2	0.84	227
180970073	2012	11	21	24	V	0.1	0.8	1.54	207
180970073	2012	11	22	1	V	26.9	0.7	1.09	233
180970073	2012	11	22	2	V	0.5	0.6	0.94	166
180970073	2012	11	22	3	V	0.1	0.6	1.59	182
180970073	2012	11	22	4	V	0.2	0.1	1.42	169
180970073	2012	11	22	5	V	0.2	0	1.45	209
180970073	2012	11	22	6	V	0.1	0	1.69	165
180970073	2012	11	22	7	V	0.05	0	2.21	170
180970073	2012	11	22	8	V	0.5	0	2.41	156
180970073	2012	11	22	9	V	0.3	0	3.36	161
180970073	2012	11	22	10	V	0.3	0.5	3.36	174
180970073	2012	11	22	11	V	0.02	2.9	6.96	186
180970073	2012	11	22	12	V	0.01	3.6	8.46	193
180970073	2012	11	22	13	V	0.02	6.6	6.46	194
180970073	2012	11	22	14	V	0.02	8.1	6.46	202
180970073	2012	11	22	15	V	0.05	6.7	5.36	202
180970073	2012	11	22	16	V	0.03	4.7	7.46	193
180970073	2012	11	22	17	V	0.03	4.9	4.36	188
180970073	2012	11	22	18	V	0.03	4	5.36	189
180970073	2012	11	22	19	V	0.03	3.8	3.86	195
180970073	2012	11	22	20	V	0.03	3.6	4.36	187
180970073	2012	11	22	21	V	0.03	3.6	5.36	193
180970073	2012	11	22	22	V	0.03	2.8	6.46	209
180970073	2012	11	22	23	V	0.1	2.1	6.96	216
180970073	2012	11	22	24	V	12.4	2	11.06	232
180970073	2012	11	23	1	V	9.4	3.2	7.46	229
180970073	2012	11	23	2	V	11.2	6.1	7.69	232
180970073	2012	11	23	3	V	4.6	3	6.8	247
180970073	2012	11	23	4	V	0.02	1.4	8.64	285
180970073	2012	11	23	5	V	0.02	0.5	7.55	289
180970073	2012	11	23	6	V	0.02	0.1	7.32	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	23	7	V	0.02	0	6.07	275
180970073	2012	11	23	8	V	3.2	0	5.09	248
180970073	2012	11	23	9	V	1.1	0	7.37	256
180970073	2012	11	23	10	V	0.01	0	10.6	276
180970073	2012	11	23	11	V	0.004	0	12.53	276
180970073	2012	11	23	12	V	0.004	0	10.78	279
180970073	2012	11	23	13	V	0.005	0	10.61	275
180970073	2012	11	23	14	V	0.004	0	10.8	279
180970073	2012	11	23	15	V	0.02	0	11.26	285
180970073	2012	11	23	16	V	0.02	0	10.02	289
180970073	2012	11	23	17	V	0.02	0	9.34	295
180970073	2012	11	23	18	V	0.02	0	8.91	298
180970073	2012	11	23	19	V	0.03	0	7.06	301
180970073	2012	11	23	20	V	0.03	0	8.06	300
180970073	2012	11	23	21	V	0.03	0	9.58	302
180970073	2012	11	23	22	V	0.03	0	8.22	309
180970073	2012	11	23	23	V	0.04	0	6.89	298
180970073	2012	11	23	24	V	0.04	0	5.44	303
180970073	2012	11	24	1	V	0.04	0	5.29	305
180970073	2012	11	24	2	V	0.04	0	4.56	294
180970073	2012	11	24	3	V	0.04	0	4.39	285
180970073	2012	11	24	4	V	0.04	0	4.44	274
180970073	2012	11	24	5	V	0.04	0	4.61	284
180970073	2012	11	24	6	V	0.04	0	4.7	295
180970073	2012	11	24	7	V	0.04	0	5	306
180970073	2012	11	24	8	V	0.05	0	4.49	301
180970073	2012	11	24	9	V	0.05	0	5.05	287
180970073	2012	11	24	10	V	0.07	0	4.92	283
180970073	2012	11	24	11	V	0.06	0	4.54	293
180970073	2012	11	24	12	V	0.2	0	4.68	265
180970073	2012	11	24	13	V	0.5	0	4.03	266
180970073	2012	11	24	14	V	0.05	0	2.66	289
180970073	2012	11	24	15	V	0.05	0	2.86	272
180970073	2012	11	24	16	V	0.05	0	2.78	268
180970073	2012	11	24	17	V	7.8	0	3.06	254
180970073	2012	11	24	18	V	9.8	0	2.5	238
180970073	2012	11	24	19	V	0.05	0.5	2.59	205
180970073	2012	11	24	20	V	0.05	0	2.61	211
180970073	2012	11	24	21	V	0.04	0	3.05	208
180970073	2012	11	24	22	V	0.04	0	3.15	210
180970073	2012	11	24	23	V	0.04	-999	3.68	208
180970073	2012	11	24	24	V	0.04	0	3.74	190
180970073	2012	11	25	1	V	0.04	0	3.61	181
180970073	2012	11	25	2	V	0.04	0	3.88	192
180970073	2012	11	25	3	V	0.04	0	3.68	196
180970073	2012	11	25	4	V	0.04	0	3.91	179

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	25	5	V	0.04	0.2	4.56	178
180970073	2012	11	25	6	V	0.04	0.6	5.87	192
180970073	2012	11	25	7	V	0.04	1.8	5.68	193
180970073	2012	11	25	8	V	0.03	1.8	4.88	203
180970073	2012	11	25	9	V	0.06	2.1	4.95	208
180970073	2012	11	25	10	V	0.1	2	5.16	211
180970073	2012	11	25	11	V	9.1	12.7	6.09	229
180970073	2012	11	25	12	V	7.0	22.8	6.99	237
180970073	2012	11	25	13	V	3.5	4.2	6.96	240
180970073	2012	11	25	14	V	2.6	5.2	6.16	241
180970073	2012	11	25	15	V	5.2	5.1	6.02	244
180970073	2012	11	25	16	V	5.1	3.6	5.63	255
180970073	2012	11	25	17	V	0.4	3.2	4.39	264
180970073	2012	11	25	18	V	5.4	3.6	2.73	256
180970073	2012	11	25	19	V	0.08	1.2	2.81	267
180970073	2012	11	25	20	V	0.06	1.4	2.18	278
180970073	2012	11	25	21	V	4.5	1.5	2.69	246
180970073	2012	11	25	22	V	10.3	1.3	2.62	251
180970073	2012	11	25	23	V	0.05	0.9	2.42	275
180970073	2012	11	25	24	V	10.8	0.6	2.03	239
180970073	2012	11	26	1	V	5.6	0.4	1.72	256
180970073	2012	11	26	2	V	0.04	0.3	2.69	332
180970073	2012	11	26	3	V	1.0	0.1	0.7	347
180970073	2012	11	26	4	V	0.4	0	1.26	269
180970073	2012	11	26	5	V	0.1	0	1.82	329
180970073	2012	11	26	6	V	0.3	0	1.35	355
180970073	2012	11	26	7	V	0.04	0	2.56	3
180970073	2012	11	26	8	V	0.5	0	2.35	13
180970073	2012	11	26	9	V	1.1	0.9	2.01	58
180970073	2012	11	26	10	V	0.6	1.9	2.28	36
180970073	2012	11	26	11	V	0.7	1.9	2.15	44
180970073	2012	11	26	12	V	1.3	1.9	1.53	82
180970073	2012	11	26	13	V	2.2	1.6	1.08	96
180970073	2012	11	26	14	V	0.4	1.3	2.06	4
180970073	2012	11	26	15	V	0.05	1.1	2.52	7
180970073	2012	11	26	16	V	0.07	0.8	2.16	332
180970073	2012	11	26	17	V	0.04	0.2	3.46	327
180970073	2012	11	26	18	V	0.04	0.2	4.9	341
180970073	2012	11	26	19	V	0.04	0.3	5.31	353
180970073	2012	11	26	20	V	0.04	0	5.67	350
180970073	2012	11	26	21	V	0.04	0.2	5.8	350
180970073	2012	11	26	22	V	0.04	0.3	6.84	348
180970073	2012	11	26	23	V	0.04	0	5.96	355
180970073	2012	11	26	24	V	0.04	0	6.14	4
180970073	2012	11	27	1	V	0.04	0	5.17	10
180970073	2012	11	27	2	V	0.04	0	5.46	10

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	27	3	V	0.04	0	3.9	10
180970073	2012	11	27	4	V	0.04	0	3.76	2
180970073	2012	11	27	5	V	0.04	0	2.84	2
180970073	2012	11	27	6	V	0.09	0	1.98	346
180970073	2012	11	27	7	V	0.1	0	1.84	349
180970073	2012	11	27	8	V	0.8	0	1.81	352
180970073	2012	11	27	9	V	1.4	0	1.62	305
180970073	2012	11	27	10	V	1.2	0.1	1.59	312
180970073	2012	11	27	11	V	0.4	0	2.45	359
180970073	2012	11	27	12	V	0.3	0	2.76	7
180970073	2012	11	27	13	V	0.5	0	1.93	4
180970073	2012	11	27	14	V	0.4	0	1.6	353
180970073	2012	11	27	15	V	0.09	0	1.74	330
180970073	2012	11	27	16	V	0.05	0	2.59	305
180970073	2012	11	27	17	V	0.07	0	2.22	309
180970073	2012	11	27	18	V	0.1	0	1.82	277
180970073	2012	11	27	19	V	0.3	0	1.35	285
180970073	2012	11	27	20	V	0.3	0	1.45	317
180970073	2012	11	27	21	V	16.7	0	0.89	243
180970073	2012	11	27	22	V	5.0	0	1.69	244
180970073	2012	11	27	23	V	20.5	0.1	1.76	238
180970073	2012	11	27	24	V	5.5	0.5	2.16	256
180970073	2012	11	28	1	V	2.3	0.3	2.42	242
180970073	2012	11	28	2	V	3.0	0.1	2.45	225
180970073	2012	11	28	3	V	1.6	0.1	3.03	225
180970073	2012	11	28	4	V	20.9	0	2.25	237
180970073	2012	11	28	5	V	7.5	0.1	2.74	239
180970073	2012	11	28	6	V	0.7	0.3	3.22	224
180970073	2012	11	28	7	V	24.1	1.8	3.25	236
180970073	2012	11	28	8	V	28.9	1.8	3.46	234
180970073	2012	11	28	9	V	16.5	3.9	3.73	241
180970073	2012	11	28	10	V	4.0	4.6	3.49	259
180970073	2012	11	28	11	V	0.8	1.7	2.83	271
180970073	2012	11	28	12	V	9.4	1.3	2.88	245
180970073	2012	11	28	13	V	5.2	7	3.05	248
180970073	2012	11	28	14	V	3.1	3.5	3.47	249
180970073	2012	11	28	15	V	0.6	0.9	4.39	263
180970073	2012	11	28	16	V	6.2	1	3.63	255
180970073	2012	11	28	17	V	9.5	1.2	3.52	250
180970073	2012	11	28	18	V	3.4	2.7	2.88	240
180970073	2012	11	28	19	V	36.1	1	2.22	234
180970073	2012	11	28	20	V	10.3	0.9	1.99	226
180970073	2012	11	28	21	V	0.07	0.4	2.35	215
180970073	2012	11	28	22	V	0.1	0.4	1.98	199
180970073	2012	11	28	23	V	44.1	0.7	1.42	232
180970073	2012	11	28	24	V	0.1	0.4	1.77	186

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	29	1	V	0.1	0.4	1.89	194
180970073	2012	11	29	2	V	0.09	0.2	2.04	192
180970073	2012	11	29	3	V	0.06	0	2.39	171
180970073	2012	11	29	4	V	0.04	0	2.95	158
180970073	2012	11	29	5	V	0.03	0	3.85	184
180970073	2012	11	29	6	V	0.06	0	2.38	186
180970073	2012	11	29	7	V	0.1	0	1.79	151
180970073	2012	11	29	8	V	0.2	0	3.27	147
180970073	2012	11	29	9	V	0.4	0.6	2.78	170
180970073	2012	11	29	10	V	0.3	2.5	3.18	188
180970073	2012	11	29	11	V	0.05	5.3	5.55	193
180970073	2012	11	29	12	V	0.02	3.8	6.43	193
180970073	2012	11	29	13	V	0.02	4.5	6.02	194
180970073	2012	11	29	14	V	0.02	3.9	4.92	195
180970073	2012	11	29	15	V	0.03	4.5	5.41	195
180970073	2012	11	29	16	V	0.03	4.7	5.29	182
180970073	2012	11	29	17	V	0.04	3.3	4.29	177
180970073	2012	11	29	18	V	0.04	3.1	4.03	165
180970073	2012	11	29	19	V	0.04	4	4.19	159
180970073	2012	11	29	20	V	0.04	4.2	5.02	157
180970073	2012	11	29	21	V	0.04	2.1	4.43	146
180970073	2012	11	29	22	V	0.04	1.7	3.91	144
180970073	2012	11	29	23	V	0.04	1.8	3.15	148
180970073	2012	11	29	24	V	0.04	1.4	3.39	170
180970073	2012	11	30	1	V	0.04	1.1	3.78	190
180970073	2012	11	30	2	V	0.04	0.8	3.69	190
180970073	2012	11	30	3	V	0.04	0.7	3.24	191
180970073	2012	11	30	4	V	0.04	0.8	3.27	203
180970073	2012	11	30	5	V	0.04	1.6	4.34	218
180970073	2012	11	30	6	V	13.6	1.6	4.76	228
180970073	2012	11	30	7	V	0.04	1	4.68	214
180970073	2012	11	30	8	V	0.1	2.4	4.12	206
180970073	2012	11	30	9	V	0.2	2.1	3.73	203
180970073	2012	11	30	10	V	0.08	2.5	5.02	203
180970073	2012	11	30	11	V	1.1	3.5	6.75	221
180970073	2012	11	30	12	V	7.2	9.5	7.64	230
180970073	2012	11	30	13	V	5.9	11.1	6.02	226
180970073	2012	11	30	14	V	5.2	10.5	5.44	225
180970073	2012	11	30	15	V	5.2	8.1	5.36	224
180970073	2012	11	30	16	V	0.03	3.8	5.07	198
180970073	2012	11	30	17	V	0.03	2.8	3.85	215
180970073	2012	11	30	18	V	0.03	3	3.42	195
180970073	2012	11	30	19	V	0.04	2.5	2.91	192
180970073	2012	11	30	20	V	0.05	1.7	2.84	187
180970073	2012	11	30	21	V	0.06	1.3	2.45	155
180970073	2012	11	30	22	V	0.04	1.1	3	142

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	11	30	23	V	0.03	1.6	3.71	147
180970073	2012	11	30	24	V	0.03	1.9	3.17	157
180970073	2012	12	1	1	V	0.04	1.3	3.03	142
180970073	2012	12	1	2	V	0.06	0.8	2.42	127
180970073	2012	12	1	3	V	0.05	0.4	2.67	134
180970073	2012	12	1	4	V	0.04	0.2	2.96	122
180970073	2012	12	1	5	V	0.03	0.1	3.37	122
180970073	2012	12	1	6	V	0.04	0.1	3.64	159
180970073	2012	12	1	7	V	0.08	0.2	1.88	141
180970073	2012	12	1	8	V	0.1	0.4	3.25	171
180970073	2012	12	1	9	V	0.1	0.8	3.35	163
180970073	2012	12	1	10	V	0.3	1.8	2.71	165
180970073	2012	12	1	11	V	0.2	2.8	3.35	165
180970073	2012	12	1	12	V	0.05	2.7	5.05	178
180970073	2012	12	1	13	V	0.03	2.6	6.09	184
180970073	2012	12	1	14	V	0.02	2.2	6.28	185
180970073	2012	12	1	15	V	0.04	1.6	6.65	193
180970073	2012	12	1	16	V	0.04	1.3	6.55	186
180970073	2012	12	1	17	V	0.04	1.5	6.02	186
180970073	2012	12	1	18	V	0.04	1.3	6.43	183
180970073	2012	12	1	19	V	0.04	1.5	6.58	170
180970073	2012	12	1	20	V	0.04	1.6	6.14	168
180970073	2012	12	1	21	V	0.04	2.3	5.94	167
180970073	2012	12	1	22	V	0.04	2	6.35	175
180970073	2012	12	1	23	V	0.03	-999	6.69	182
180970073	2012	12	1	24	V	0.03	1.2	7.14	189
180970073	2012	12	2	1	V	0.03	1.1	7.08	188
180970073	2012	12	2	2	V	0.03	1.4	6.52	191
180970073	2012	12	2	3	V	0.03	1.7	5.87	193
180970073	2012	12	2	4	V	0.03	1.5	5.53	189
180970073	2012	12	2	5	V	0.03	1	6.11	194
180970073	2012	12	2	6	V	0.04	0.2	4.94	206
180970073	2012	12	2	7	V	0.04	0	6.07	200
180970073	2012	12	2	8	V	0.02	0	6.18	204
180970073	2012	12	2	9	V	0.03	0	5.87	210
180970073	2012	12	2	10	V	0.05	0	5.89	214
180970073	2012	12	2	11	V	1.3	0.2	6.29	222
180970073	2012	12	2	12	V	2.3	0.6	6.84	224
180970073	2012	12	2	13	V	2.1	0.4	6.11	223
180970073	2012	12	2	14	V	2.9	2.1	5.89	224
180970073	2012	12	2	15	V	11.6	3.4	4.82	227
180970073	2012	12	2	16	V	1.9	2.4	4.63	223
180970073	2012	12	2	17	V	0.04	1.1	3.56	203
180970073	2012	12	2	18	V	0.04	0.4	2.9	192
180970073	2012	12	2	19	V	0.04	0.2	3.78	182
180970073	2012	12	2	20	V	0.04	0	3.01	188

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	2	21	V	0.2	0	1.35	193
180970073	2012	12	2	22	V	0.1	0	1.72	184
180970073	2012	12	2	23	V	0.2	0	1.48	180
180970073	2012	12	2	24	V	0.04	0	2.44	171
180970073	2012	12	3	1	V	0.03	0	2.81	172
180970073	2012	12	3	2	V	0.03	0	3.17	166
180970073	2012	12	3	3	V	0.03	0	3.56	186
180970073	2012	12	3	4	V	0.03	0	2.91	187
180970073	2012	12	3	5	V	0.03	0	3.39	187
180970073	2012	12	3	6	V	0.03	0	2.96	179
180970073	2012	12	3	7	V	0.04	0	3.51	175
180970073	2012	12	3	8	V	0.06	0	4.14	177
180970073	2012	12	3	9	V	0.07	0	4.32	170
180970073	2012	12	3	10	V	0.04	0	5.21	171
180970073	2012	12	3	11	V	0.03	0	5.95	186
180970073	2012	12	3	12	V	0.02	0.1	7.15	194
180970073	2012	12	3	13	V	0.02	0.7	7.21	197
180970073	2012	12	3	14	V	0.01	0.4	7.72	200
180970073	2012	12	3	15	V	0.04	0.2	8.37	202
180970073	2012	12	3	16	V	0.03	0.1	8.54	196
180970073	2012	12	3	17	V	0.03	0	8.25	197
180970073	2012	12	3	18	V	0.03	0	7.4	190
180970073	2012	12	3	19	V	0.04	0	7.37	181
180970073	2012	12	3	20	V	0.04	0.2	7.42	185
180970073	2012	12	3	21	V	0.04	0.7	6.09	192
180970073	2012	12	3	22	V	0.04	0.2	5.5	196
180970073	2012	12	3	23	V	0.04	0.3	6.04	196
180970073	2012	12	3	24	V	0.03	0	6.35	193
180970073	2012	12	4	1	V	0.03	0.2	5.05	183
180970073	2012	12	4	2	V	0.03	0.6	5.29	187
180970073	2012	12	4	3	V	0.02	0.9	7.94	204
180970073	2012	12	4	4	V	0.02	0.6	7.5	200
180970073	2012	12	4	5	V	0.02	0.2	6.97	206
180970073	2012	12	4	6	V	0.02	0	6.89	207
180970073	2012	12	4	7	V	0.03	0	6.75	212
180970073	2012	12	4	8	V	0.4	0	6.57	221
180970073	2012	12	4	9	V	15.8	0	5.39	235
180970073	2012	12	4	10	V	0.08	0.4	4.7	275
180970073	2012	12	4	11	V	0.1	0	4.43	286
180970073	2012	12	4	12	V	0.03	0	5.62	347
180970073	2012	12	4	13	V	0.01	0	6.06	343
180970073	2012	12	4	14	V	0.01	0	5.55	359
180970073	2012	12	4	15	V	0.04	0	3.66	1
180970073	2012	12	4	16	V	0.03	0	3.95	347
180970073	2012	12	4	17	V	0.04	0	3.15	328
180970073	2012	12	4	18	V	0.04	0	2.44	291

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	4	19	V	0.03	0	2.69	272
180970073	2012	12	4	20	V	1.5	0	2.44	259
180970073	2012	12	4	21	V	2.5	0	2.67	245
180970073	2012	12	4	22	V	3.0	0	3.29	239
180970073	2012	12	4	23	V	11.5	0	3.17	252
180970073	2012	12	4	24	V	0.03	0	3.03	268
180970073	2012	12	5	1	V	0.07	0	2.79	265
180970073	2012	12	5	2	V	0.02	0	3.4	296
180970073	2012	12	5	3	V	0.02	0	3.42	305
180970073	2012	12	5	4	V	2.7	0	2.36	258
180970073	2012	12	5	5	V	8.9	0	2.86	254
180970073	2012	12	5	6	V	0.04	0	2.86	288
180970073	2012	12	5	7	V	0.03	0	3.86	344
180970073	2012	12	5	8	V	0.3	0	2.36	336
180970073	2012	12	5	9	V	0.4	0	2.62	358
180970073	2012	12	5	10	V	0.2	0	3.98	33
180970073	2012	12	5	11	V	0.2	0	4.12	26
180970073	2012	12	5	12	V	0.2	0	3.25	57
180970073	2012	12	5	13	V	0.6	0	1.82	59
180970073	2012	12	5	14	V	0.4	0	1.91	41
180970073	2012	12	5	15	V	0.05	0	2.35	19
180970073	2012	12	5	16	V	0.06	0	2.37	49
180970073	2012	12	5	17	V	0.03	0	3.42	31
180970073	2012	12	5	18	V	0.03	0	3.41	57
180970073	2012	12	5	19	V	0.03	0	3.17	83
180970073	2012	12	5	20	V	0.03	0	4.29	83
180970073	2012	12	5	21	V	0.03	0	4.87	83
180970073	2012	12	5	22	V	0.03	0	5.26	81
180970073	2012	12	5	23	V	0.03	0	4.49	85
180970073	2012	12	5	24	V	0.03	0	4.08	90
180970073	2012	12	6	1	V	0.03	0	4.24	94
180970073	2012	12	6	2	V	0.03	0	4.46	104
180970073	2012	12	6	3	V	0.03	0	4.1	113
180970073	2012	12	6	4	V	0.03	0	3.39	108
180970073	2012	12	6	5	V	0.04	0	2.67	110
180970073	2012	12	6	6	V	0.04	0	2.9	97
180970073	2012	12	6	7	V	0.04	0	2.98	99
180970073	2012	12	6	8	V	0.1	0	3.12	109
180970073	2012	12	6	9	V	0.1	1.2	3.75	114
180970073	2012	12	6	10	V	0.2	3.2	3.68	122
180970073	2012	12	6	11	V	0.1	5.3	3.95	130
180970073	2012	12	6	12	V	0.2	5.7	3.52	134
180970073	2012	12	6	13	V	0.1	6.2	3.69	128
180970073	2012	12	6	14	V	0.08	5.3	3.9	130
180970073	2012	12	6	15	V	0.04	4.4	3.66	143
180970073	2012	12	6	16	V	0.04	3.5	3.1	138

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	6	17	V	0.04	2.3	2.59	131
180970073	2012	12	6	18	V	0.05	1.8	2.28	122
180970073	2012	12	6	19	V	0.04	1.5	3.13	126
180970073	2012	12	6	20	V	0.04	1.2	4.05	145
180970073	2012	12	6	21	V	0.04	0.2	3.35	157
180970073	2012	12	6	22	V	0.04	0	2.83	184
180970073	2012	12	6	23	V	0.05	0	2.35	179
180970073	2012	12	6	24	V	0.04	0	2.54	181
180970073	2012	12	7	1	V	0.04	0	2.79	192
180970073	2012	12	7	2	V	0.3	0	2.5	222
180970073	2012	12	7	3	V	0.05	0.8	2.38	216
180970073	2012	12	7	4	V	0.09	1.2	1.96	193
180970073	2012	12	7	5	V	9.4	1.2	1.82	226
180970073	2012	12	7	6	V	4.8	2.3	1.69	224
180970073	2012	12	7	7	V	0.1	1.7	1.84	194
180970073	2012	12	7	8	V	0.1	0.6	2.2	19
180970073	2012	12	7	9	V	0.2	0.1	2.89	189
180970073	2012	12	7	10	V	0.5	0	1.96	122
180970073	2012	12	7	11	V	0.3	0	2.71	96
180970073	2012	12	7	12	V	0.2	0.3	3.46	111
180970073	2012	12	7	13	V	0.1	0.5	3.73	105
180970073	2012	12	7	14	V	0.08	0.4	3.97	92
180970073	2012	12	7	15	V	0.04	0	3.42	109
180970073	2012	12	7	16	V	0.04	0	4.05	98
180970073	2012	12	7	17	V	0.04	0	4.85	107
180970073	2012	12	7	18	V	0.04	0	3.54	110
180970073	2012	12	7	19	V	0.09	0	1.76	101
180970073	2012	12	7	20	V	0.3	0	1.25	126
180970073	2012	12	7	21	V	1.2	0	2.18	223
180970073	2012	12	7	22	V	8.8	0	3.08	253
180970073	2012	12	7	23	V	2.4	0	3.47	242
180970073	2012	12	7	24	V	1.8	0	3	243
180970073	2012	12	8	1	V	3.3	0	4.49	243
180970073	2012	12	8	2	V	8.2	0	3.58	250
180970073	2012	12	8	3	V	8.2	0	1.5	251
180970073	2012	12	8	4	V	0.2	0	1.62	267
180970073	2012	12	8	5	V	0.2	0	1.4	274
180970073	2012	12	8	6	V	2.2	0	2.01	259
180970073	2012	12	8	7	V	4.9	0	2.59	226
180970073	2012	12	8	8	V	5.0	0	2.78	256
180970073	2012	12	8	9	V	0.2	0	3.32	278
180970073	2012	12	8	10	V	0.2	0	3.76	294
180970073	2012	12	8	11	V	0.09	0	4.49	295
180970073	2012	12	8	12	V	0.06	0	5.19	307
180970073	2012	12	8	13	V	0.1	0	4.34	320
180970073	2012	12	8	14	V	0.07	0	4.29	317

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	8	15	V	0.04	0	3.73	321
180970073	2012	12	8	16	V	0.04	0	3.2	318
180970073	2012	12	8	17	V	0.04	0	3.83	341
180970073	2012	12	8	18	V	0.04	0	2.55	358
180970073	2012	12	8	19	V	0.05	0	2.45	15
180970073	2012	12	8	20	V	0.07	0	2.08	41
180970073	2012	12	8	21	V	0.04	0	2.78	5
180970073	2012	12	8	22	V	0.04	0	3.41	42
180970073	2012	12	8	23	V	0.04	-999	4.97	32
180970073	2012	12	8	24	V	0.04	0	5.56	43
180970073	2012	12	9	1	V	0.04	0	5.16	66
180970073	2012	12	9	2	V	0.03	0	5.7	71
180970073	2012	12	9	3	V	0.04	0	4.48	64
180970073	2012	12	9	4	V	0.04	0	4.65	81
180970073	2012	12	9	5	V	0.04	0	4.48	73
180970073	2012	12	9	6	V	0.04	0	5.17	76
180970073	2012	12	9	7	V	0.03	0	6.14	80
180970073	2012	12	9	8	V	0.05	0	5.56	92
180970073	2012	12	9	9	V	0.03	0	5.68	99
180970073	2012	12	9	10	V	0.06	0	4.53	74
180970073	2012	12	9	11	V	0.09	0	4.1	67
180970073	2012	12	9	12	V	0.09	0	4.24	99
180970073	2012	12	9	13	V	0.2	0	3.4	120
180970073	2012	12	9	14	V	0.08	0	3.98	135
180970073	2012	12	9	15	V	0.04	0	3.37	162
180970073	2012	12	9	16	V	0.04	0	2.79	183
180970073	2012	12	9	17	V	0.05	0	2.44	189
180970073	2012	12	9	18	V	0.05	0	2.27	160
180970073	2012	12	9	19	V	0.04	0	2.44	170
180970073	2012	12	9	20	V	0.07	0	2.13	207
180970073	2012	12	9	21	V	0.04	0	4.65	293
180970073	2012	12	9	22	V	0.04	0	4.56	291
180970073	2012	12	9	23	V	0.03	0	4.88	293
180970073	2012	12	9	24	V	0.03	0	5.39	298
180970073	2012	12	10	1	V	0.02	0	6.96	301
180970073	2012	12	10	2	V	0.03	0	6.07	298
180970073	2012	12	10	3	V	0.03	0	5.62	296
180970073	2012	12	10	4	V	0.03	0	5.46	286
180970073	2012	12	10	5	V	0.02	0	5.46	303
180970073	2012	12	10	6	V	0.03	0	3.78	281
180970073	2012	12	10	7	V	0.03	0	4.59	278
180970073	2012	12	10	8	V	0.04	0	6.23	291
180970073	2012	12	10	9	V	0.02	0	6.09	297
180970073	2012	12	10	10	V	0.02	0	6.65	289
180970073	2012	12	10	11	V	0.01	0	7.37	280
180970073	2012	12	10	12	V	0.02	0	6.57	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	10	13	V	0.02	0	6.06	298
180970073	2012	12	10	14	V	0.01	0	6.72	287
180970073	2012	12	10	15	V	0.04	0	5.72	295
180970073	2012	12	10	16	V	0.03	0	5.97	281
180970073	2012	12	10	17	V	0.03	0	6.43	297
180970073	2012	12	10	18	V	0.03	0	5.65	291
180970073	2012	12	10	19	V	0.03	0	6.31	289
180970073	2012	12	10	20	V	0.03	0	6.97	285
180970073	2012	12	10	21	V	0.04	0	5.62	291
180970073	2012	12	10	22	V	0.04	0	5.41	281
180970073	2012	12	10	23	V	0.04	0	4.56	285
180970073	2012	12	10	24	V	0.03	0	4.93	290
180970073	2012	12	11	1	V	0.04	0	5.28	272
180970073	2012	12	11	2	V	0.06	0	4.88	269
180970073	2012	12	11	3	V	0.1	0	4.95	267
180970073	2012	12	11	4	V	0.08	0	5.16	268
180970073	2012	12	11	5	V	0.9	0	4.87	262
180970073	2012	12	11	6	V	0.1	0	4.54	267
180970073	2012	12	11	7	V	6.9	0	4.97	252
180970073	2012	12	11	8	V	5.8	0	4.82	254
180970073	2012	12	11	9	V	0.4	0	4.78	264
180970073	2012	12	11	10	V	7.0	0	4.78	243
180970073	2012	12	11	11	V	8.4	0	3.01	249
180970073	2012	12	11	12	V	2.7	10.9	3.98	221
180970073	2012	12	11	13	V	13.6	-999	4.99	234
180970073	2012	12	11	14	V	3.9	-999	4.42	224
180970073	2012	12	11	15	V	0.4	4.3	4.25	221
180970073	2012	12	11	16	V	0.4	3.2	5.24	222
180970073	2012	12	11	17	V	1.6	3.2	5.04	224
180970073	2012	12	11	18	V	0.03	0.8	4.1	216
180970073	2012	12	11	19	V	27.5	2.3	3.47	230
180970073	2012	12	11	20	V	0.04	5.9	3.34	212
180970073	2012	12	11	21	V	0.03	1.3	3.61	203
180970073	2012	12	11	22	V	0.03	7.9	3.57	189
180970073	2012	12	11	23	V	0.03	5	3.66	205
180970073	2012	12	11	24	V	0.03	3.9	3.64	210
180970073	2012	12	12	1	V	0.05	1.6	2.88	217
180970073	2012	12	12	2	V	0.08	0.3	2.3	216
180970073	2012	12	12	3	V	0.04	0.6	2.86	203
180970073	2012	12	12	4	V	0.07	1	2.2	198
180970073	2012	12	12	5	V	0.4	0.5	1.25	212
180970073	2012	12	12	6	V	0.05	0.4	2.57	160
180970073	2012	12	12	7	V	0.05	0.1	2.62	152
180970073	2012	12	12	8	V	0.2	0.1	2.35	147
180970073	2012	12	12	9	V	0.6	0.5	2.01	143
180970073	2012	12	12	10	V	0.8	1.8	1.91	182

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	12	11	V	2.5	1.4	1.59	204
180970073	2012	12	12	12	V	0.5	2.3	2.16	172
180970073	2012	12	12	13	V	0.1	2.3	3.78	166
180970073	2012	12	12	14	V	0.1	1.1	3.08	171
180970073	2012	12	12	15	V	0.04	2.6	2.84	179
180970073	2012	12	12	16	V	0.05	3.6	2.44	176
180970073	2012	12	12	17	V	0.03	3.1	3.12	174
180970073	2012	12	12	18	V	0.03	2.1	3.39	149
180970073	2012	12	12	19	V	0.03	1.3	3.32	131
180970073	2012	12	12	20	V	0.03	0.7	3.66	142
180970073	2012	12	12	21	V	0.03	2.1	3.63	155
180970073	2012	12	12	22	V	0.03	3	3.17	156
180970073	2012	12	12	23	V	0.05	5.5	2.69	149
180970073	2012	12	12	24	V	0.03	2.6	3.17	142
180970073	2012	12	13	1	V	0.03	1.9	3.2	146
180970073	2012	12	13	2	V	0.04	0.9	2.45	147
180970073	2012	12	13	3	V	0.2	0.8	1.4	136
180970073	2012	12	13	4	V	0.2	0	1.62	193
180970073	2012	12	13	5	V	0.03	0.6	3.69	159
180970073	2012	12	13	6	V	0.03	0.7	3.23	165
180970073	2012	12	13	7	V	0.05	0.9	2.73	146
180970073	2012	12	13	8	V	0.1	1.4	3.75	153
180970073	2012	12	13	9	V	0.3	2.6	3.05	160
180970073	2012	12	13	10	V	0.3	2.9	3.25	172
180970073	2012	12	13	11	V	0.07	2	5.24	180
180970073	2012	12	13	12	V	0.1	1.4	4.27	185
180970073	2012	12	13	13	V	0.1	0.5	4.42	190
180970073	2012	12	13	14	V	0.08	0	4.77	187
180970073	2012	12	13	15	V	0.04	0	5.21	186
180970073	2012	12	13	16	V	0.03	0.2	4.95	173
180970073	2012	12	13	17	V	0.04	0.7	4.66	175
180970073	2012	12	13	18	V	0.03	0.4	3.76	168
180970073	2012	12	13	19	V	0.04	0.3	3.05	155
180970073	2012	12	13	20	V	0.03	0.4	3.47	147
180970073	2012	12	13	21	V	0.03	0.4	3.8	161
180970073	2012	12	13	22	V	0.03	0.6	3.69	164
180970073	2012	12	13	23	V	0.03	0.8	3.61	174
180970073	2012	12	13	24	V	0.03	0.5	3.18	180
180970073	2012	12	14	1	V	0.03	0.3	4.25	181
180970073	2012	12	14	2	V	0.03	0.5	3.4	196
180970073	2012	12	14	3	V	0.1	0.5	1.94	320
180970073	2012	12	14	4	V	3.8	0	1.21	221
180970073	2012	12	14	5	V	0.04	0	2.96	192
180970073	2012	12	14	6	V	0.03	0	3.25	162
180970073	2012	12	14	7	V	0.03	0.1	3.39	159
180970073	2012	12	14	8	V	0.1	0.3	3.42	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	14	9	V	0.3	1.1	2.95	175
180970073	2012	12	14	10	V	0.4	2.5	2.95	184
180970073	2012	12	14	11	V	2.1	7.1	3.68	216
180970073	2012	12	14	12	V	29.4	39.8	3.98	233
180970073	2012	12	14	13	V	0.2	40.7	3.59	203
180970073	2012	12	14	14	V	0.1	3.7	3.91	191
180970073	2012	12	14	15	V	0.04	2	3.25	203
180970073	2012	12	14	16	V	0.03	1.8	3.18	202
180970073	2012	12	14	17	V	9.6	1.7	2.84	238
180970073	2012	12	14	18	V	1.5	1.5	1.79	222
180970073	2012	12	14	19	V	0.3	1.7	1.23	171
180970073	2012	12	14	20	V	0.04	2.2	2.62	132
180970073	2012	12	14	21	V	0.04	2.1	2.73	135
180970073	2012	12	14	22	V	0.04	1.6	2.95	128
180970073	2012	12	14	23	V	0.04	1.6	3.18	129
180970073	2012	12	14	24	V	0.04	2.5	3.8	143
180970073	2012	12	15	1	V	0.03	2.4	4.05	139
180970073	2012	12	15	2	V	0.03	1.9	4.12	144
180970073	2012	12	15	3	V	0.03	1.7	3.51	139
180970073	2012	12	15	4	V	0.02	0.8	3.69	133
180970073	2012	12	15	5	V	0.03	0.4	4.66	135
180970073	2012	12	15	6	V	0.03	0.2	4.49	143
180970073	2012	12	15	7	V	0.04	0.1	4.95	143
180970073	2012	12	15	8	V	0.03	0.5	5.63	138
180970073	2012	12	15	9	V	0.02	0.7	6.16	140
180970073	2012	12	15	10	V	0.07	0.7	4.56	149
180970073	2012	12	15	11	V	0.03	0	5.85	133
180970073	2012	12	15	12	V	0.01	0	8.67	147
180970073	2012	12	15	13	V	0.02	0	6.26	148
180970073	2012	12	15	14	V	0.02	0	6.72	148
180970073	2012	12	15	15	V	0.04	0	7.33	163
180970073	2012	12	15	16	V	0.03	0.1	7.79	168
180970073	2012	12	15	17	V	0.03	0	6.79	166
180970073	2012	12	15	18	V	0.04	0	6.26	173
180970073	2012	12	15	19	V	0.03	0	6.45	180
180970073	2012	12	15	20	V	0.04	0	4.49	189
180970073	2012	12	15	21	V	0.04	0	4.99	185
180970073	2012	12	15	22	V	0.03	0	6.55	200
180970073	2012	12	15	23	V	0.03	-999	7.62	211
180970073	2012	12	15	24	V	0.02	0	7.94	205
180970073	2012	12	16	1	V	0.1	0	7.47	218
180970073	2012	12	16	2	V	1.0	0	6.84	222
180970073	2012	12	16	3	V	1.0	0	6.57	222
180970073	2012	12	16	4	V	1.6	0	7.08	223
180970073	2012	12	16	5	V	12.4	1.3	6.16	230
180970073	2012	12	16	6	V	2.0	9.3	5.29	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	16	7	V	0.02	5.9	4.65	217
180970073	2012	12	16	8	V	0.07	0.7	4.29	210
180970073	2012	12	16	9	V	0.1	0.1	3.83	207
180970073	2012	12	16	10	V	0.2	0.6	3.64	204
180970073	2012	12	16	11	V	1.3	0.5	5.62	222
180970073	2012	12	16	12	V	5.3	3.6	6.58	226
180970073	2012	12	16	13	V	10.7	13.4	7.03	233
180970073	2012	12	16	14	V	7.4	15.8	6.33	230
180970073	2012	12	16	15	V	11.4	23.6	5.92	227
180970073	2012	12	16	16	V	19.9	4	5.38	236
180970073	2012	12	16	17	V	3.2	2.4	4.37	243
180970073	2012	12	16	18	V	5.8	1.4	3.69	240
180970073	2012	12	16	19	V	4.9	1.7	3.2	247
180970073	2012	12	16	20	V	0.04	1.7	3.23	268
180970073	2012	12	16	21	V	0.04	0.8	3.01	302
180970073	2012	12	16	22	V	0.06	0	2.52	306
180970073	2012	12	16	23	V	0.05	0	2.66	345
180970073	2012	12	16	24	V	0.3	0	1.35	39
180970073	2012	12	17	1	V	1.1	0	0.75	357
180970073	2012	12	17	2	V	0.4	0	1.2	313
180970073	2012	12	17	3	V	2.3	0	0.91	264
180970073	2012	12	17	4	V	0.2	0	1.38	289
180970073	2012	12	17	5	V	0.2	0	1.52	274
180970073	2012	12	17	6	V	0.09	0	1.98	320
180970073	2012	12	17	7	V	0.04	0	2.42	346
180970073	2012	12	17	8	V	0.1	0	1.74	80
180970073	2012	12	17	9	V	0.3	0	2.81	82
180970073	2012	12	17	10	V	0.2	0	2.88	87
180970073	2012	12	17	11	V	0.4	0	1.79	105
180970073	2012	12	17	12	V	0.6	0.3	1.4	35
180970073	2012	12	17	13	V	0.1	1.4	2.64	353
180970073	2012	12	17	14	V	0.03	1.9	3.18	8
180970073	2012	12	17	15	V	0.05	5.3	2.47	20
180970073	2012	12	17	16	V	0.04	5.5	3.39	344
180970073	2012	12	17	17	V	0.04	2.1	3.47	332
180970073	2012	12	17	18	V	0.04	0.9	3.49	324
180970073	2012	12	17	19	V	0.04	0.1	2.81	349
180970073	2012	12	17	20	V	0.04	0	3.42	329
180970073	2012	12	17	21	V	0.04	0	4.26	319
180970073	2012	12	17	22	V	0.04	0	4.02	328
180970073	2012	12	17	23	V	0.04	0	4.48	319
180970073	2012	12	17	24	V	0.04	0	4.75	309
180970073	2012	12	18	1	V	0.04	0	4.63	307
180970073	2012	12	18	2	V	0.03	0	5.07	304
180970073	2012	12	18	3	V	0.03	0	5.43	309
180970073	2012	12	18	4	V	0.03	0	5.21	295

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	18	5	V	0.03	0	4.8	289
180970073	2012	12	18	6	V	0.03	0	4.54	277
180970073	2012	12	18	7	V	0.2	0	4.26	266
180970073	2012	12	18	8	V	6.4	0	4.27	253
180970073	2012	12	18	9	V	5.6	1.6	3.74	250
180970073	2012	12	18	10	V	29.3	1.4	3.83	231
180970073	2012	12	18	11	V	0.08	8	4.56	203
180970073	2012	12	18	12	V	0.03	2.2	5.67	199
180970073	2012	12	18	13	V	0.03	0.9	5.67	196
180970073	2012	12	18	14	V	0.02	0.4	6.24	185
180970073	2012	12	18	15	V	0.04	0.1	6.6	174
180970073	2012	12	18	16	V	0.03	0	6.81	154
180970073	2012	12	18	17	V	0.03	0	6.98	160
180970073	2012	12	18	18	V	0.04	0	5.94	171
180970073	2012	12	18	19	V	0.03	0	4.36	176
180970073	2012	12	18	20	V	0.03	0	3.56	171
180970073	2012	12	18	21	V	0.03	0	3.51	190
180970073	2012	12	18	22	V	0.03	0	3.66	191
180970073	2012	12	18	23	V	26.6	0	5.7	232
180970073	2012	12	18	24	V	1.8	4	7.79	259
180970073	2012	12	19	1	V	0.02	0.8	9.97	277
180970073	2012	12	19	2	V	0.9	0	6.58	262
180970073	2012	12	19	3	V	0.07	0	5.58	269
180970073	2012	12	19	4	V	0.03	0	5.79	284
180970073	2012	12	19	5	V	0.03	0	5.33	300
180970073	2012	12	19	6	V	0.03	0	4.73	297
180970073	2012	12	19	7	V	0.04	0	3.13	300
180970073	2012	12	19	8	V	0.05	0	3.34	306
180970073	2012	12	19	9	V	0.3	0	2.32	327
180970073	2012	12	19	10	V	0.8	0	1.79	26
180970073	2012	12	19	11	V	0.4	0	1.76	60
180970073	2012	12	19	12	V	0.5	0	1.45	124
180970073	2012	12	19	13	V	0.1	0	2.87	143
180970073	2012	12	19	14	V	0.03	0	3.12	136
180970073	2012	12	19	15	V	0.04	0	3.52	111
180970073	2012	12	19	16	V	0.04	0	4	111
180970073	2012	12	19	17	V	0.04	0	3.93	112
180970073	2012	12	19	18	V	0.04	0	4.27	95
180970073	2012	12	19	19	V	0.04	0	5	91
180970073	2012	12	19	20	V	0.04	0	5	94
180970073	2012	12	19	21	V	0.04	0	5.63	104
180970073	2012	12	19	22	V	0.04	0	6.45	102
180970073	2012	12	19	23	V	0.03	0.1	7.2	103
180970073	2012	12	19	24	V	0.03	0.7	7.35	115
180970073	2012	12	20	1	V	0.03	1.5	7.54	118
180970073	2012	12	20	2	V	0.02	2.7	7.91	123

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	20	3	V	0.02	2.6	8.1	129
180970073	2012	12	20	4	V	0.02	1.6	7.52	126
180970073	2012	12	20	5	V	0.02	1	6.69	119
180970073	2012	12	20	6	V	0.03	1.3	5.07	135
180970073	2012	12	20	7	V	0.03	0.8	5.14	139
180970073	2012	12	20	8	V	0.04	0.1	4.83	141
180970073	2012	12	20	9	V	0.03	0	5.55	170
180970073	2012	12	20	10	V	0.02	0	6.36	148
180970073	2012	12	20	11	V	0.01	0	10.58	135
180970073	2012	12	20	12	V	0.01	0	8.91	158
180970073	2012	12	20	13	V	0.01	0	8.83	160
180970073	2012	12	20	14	V	0.005	0.3	10.41	182
180970073	2012	12	20	15	V	0.03	0	11.36	213
180970073	2012	12	20	16	V	2.5	0.1	14.95	223
180970073	2012	12	20	17	V	0.7	0	14.39	220
180970073	2012	12	20	18	V	0.03	0	12.99	213
180970073	2012	12	20	19	V	0.8	0	12.47	220
180970073	2012	12	20	20	V	7.5	0	13.67	226
180970073	2012	12	20	21	V	13.5	4.2	15.49	236
180970073	2012	12	20	22	V	4.9	0.9	15.13	242
180970073	2012	12	20	23	V	4.1	0.4	13.72	248
180970073	2012	12	20	24	V	3.4	1.6	13.04	256
180970073	2012	12	21	1	V	1.6	0.2	12.14	260
180970073	2012	12	21	2	V	2.0	0	11.94	259
180970073	2012	12	21	3	V	2.0	0	12.43	259
180970073	2012	12	21	4	V	0.9	0	12.4	262
180970073	2012	12	21	5	V	0.09	0	12.41	268
180970073	2012	12	21	6	V	0.06	0	11.5	269
180970073	2012	12	21	7	V	0.03	0	11.32	273
180970073	2012	12	21	8	V	0.03	0	12.72	281
180970073	2012	12	21	9	V	0.004	0	12.96	283
180970073	2012	12	21	10	V	0.005	0	12.31	282
180970073	2012	12	21	11	V	0.01	0	11.68	280
180970073	2012	12	21	12	V	0.005	0	12.31	282
180970073	2012	12	21	13	V	0.01	0	11.41	282
180970073	2012	12	21	14	V	0.01	0	11.19	283
180970073	2012	12	21	15	V	0.03	0	9.12	282
180970073	2012	12	21	16	V	0.03	0	9.02	289
180970073	2012	12	21	17	V	0.03	0	9.51	294
180970073	2012	12	21	18	V	0.03	0	9.37	292
180970073	2012	12	21	19	V	0.03	0	8.11	295
180970073	2012	12	21	20	V	0.03	0	7.5	295
180970073	2012	12	21	21	V	0.03	0	8.23	287
180970073	2012	12	21	22	V	0.03	0	8.66	282
180970073	2012	12	21	23	V	0.03	0	7.76	281
180970073	2012	12	21	24	V	0.03	0	6.8	276

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	22	1	V	0.03	0	6.75	274
180970073	2012	12	22	2	V	0.03	0	6.84	274
180970073	2012	12	22	3	V	0.03	0	5.97	282
180970073	2012	12	22	4	V	0.02	0	5.53	287
180970073	2012	12	22	5	V	0.02	0	3.27	279
180970073	2012	12	22	6	V	3.4	0	4.19	246
180970073	2012	12	22	7	V	1.2	0	3.64	259
180970073	2012	12	22	8	V	5.7	0	3.9	244
180970073	2012	12	22	9	V	14.1	0	3.44	242
180970073	2012	12	22	10	V	15.9	0.4	3.37	242
180970073	2012	12	22	11	V	28.4	15.8	2.52	238
180970073	2012	12	22	12	V	22.3	33	3.22	240
180970073	2012	12	22	13	V	28.0	25	3.3	237
180970073	2012	12	22	14	V	17.3	15.1	3.44	241
180970073	2012	12	22	15	V	3.6	4	3.15	245
180970073	2012	12	22	16	V	5.0	56.1	3.18	239
180970073	2012	12	22	17	V	0.04	6.9	2.98	200
180970073	2012	12	22	18	V	0.03	3.3	3.4	187
180970073	2012	12	22	19	V	0.03	1.4	3.34	187
180970073	2012	12	22	20	V	0.03	0.8	3.15	153
180970073	2012	12	22	21	V	0.03	0.2	3.39	153
180970073	2012	12	22	22	V	0.04	0	2.84	154
180970073	2012	12	22	23	V	0.05	-999	2.62	110
180970073	2012	12	22	24	V	0.03	0.4	3.05	147
180970073	2012	12	23	1	V	0.05	0.2	2.49	138
180970073	2012	12	23	2	V	0.03	0.2	2.84	145
180970073	2012	12	23	3	V	0.04	0.4	2.67	140
180970073	2012	12	23	4	V	0.03	0.7	3	142
180970073	2012	12	23	5	V	0.04	0.6	2.56	163
180970073	2012	12	23	6	V	0.07	0	1.99	178
180970073	2012	12	23	7	V	0.1	0	1.82	200
180970073	2012	12	23	8	V	13.5	0	1.98	231
180970073	2012	12	23	9	V	5.9	1.9	2.11	257
180970073	2012	12	23	10	V	2.6	7.9	1.04	286
180970073	2012	12	23	11	V	24.6	5.6	1.81	242
180970073	2012	12	23	12	V	10.7	3.1	1.3	253
180970073	2012	12	23	13	V	2.9	3.8	0.77	293
180970073	2012	12	23	14	V	4.4	2.4	0.69	207
180970073	2012	12	23	15	V	21.6	2.1	0.96	237
180970073	2012	12	23	16	V	1.0	2	0.67	188
180970073	2012	12	23	17	V	0.5	1.9	0.99	317
180970073	2012	12	23	18	V	0.06	1.3	2.11	331
180970073	2012	12	23	19	V	0.05	0.9	2.44	25
180970073	2012	12	23	20	V	0.04	0.8	3.95	23
180970073	2012	12	23	21	V	0.04	0.9	3.3	38
180970073	2012	12	23	22	V	0.04	1	4.15	42

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	23	23	V	0.03	0.8	3.59	51
180970073	2012	12	23	24	V	0.05	0.5	2.61	54
180970073	2012	12	24	1	V	0.04	0.3	2.78	54
180970073	2012	12	24	2	V	0.04	0.2	3.13	57
180970073	2012	12	24	3	V	0.04	0.3	4.1	61
180970073	2012	12	24	4	V	0.04	0.4	3.66	71
180970073	2012	12	24	5	V	0.04	0.6	3.95	77
180970073	2012	12	24	6	V	0.04	0.7	3.32	83
180970073	2012	12	24	7	V	0.04	1.1	2.95	101
180970073	2012	12	24	8	V	0.06	0.8	2.3	103
180970073	2012	12	24	9	V	0.6	0.9	1.69	78
180970073	2012	12	24	10	V	0.3	1.3	2.74	109
180970073	2012	12	24	11	V	0.4	1.6	2.44	175
180970073	2012	12	24	12	V	0.7	1.4	2.03	205
180970073	2012	12	24	13	V	9.7	0.6	2.5	250
180970073	2012	12	24	14	V	0.1	2.3	4.54	267
180970073	2012	12	24	15	V	0.04	2.1	6.07	295
180970073	2012	12	24	16	V	0.03	2	6.67	296
180970073	2012	12	24	17	V	0.03	0.9	6.55	299
180970073	2012	12	24	18	V	0.03	0.3	6.89	300
180970073	2012	12	24	19	V	0.04	0.6	5.29	310
180970073	2012	12	24	20	V	0.04	1	4.61	301
180970073	2012	12	24	21	V	0.04	1.1	4.78	307
180970073	2012	12	24	22	V	0.04	0.9	3.66	293
180970073	2012	12	24	23	V	0.04	0.9	4.29	279
180970073	2012	12	24	24	V	0.04	0.1	4.15	295
180970073	2012	12	25	1	V	0.04	0	3.46	301
180970073	2012	12	25	2	V	0.04	0	2.78	302
180970073	2012	12	25	3	V	0.03	0	3.22	312
180970073	2012	12	25	4	V	0.04	0	3.59	329
180970073	2012	12	25	5	V	0.04	0.1	3.81	330
180970073	2012	12	25	6	V	0.04	0.8	3.64	349
180970073	2012	12	25	7	V	0.04	0.5	4.54	8
180970073	2012	12	25	8	V	0.05	0.3	4.14	8
180970073	2012	12	25	9	V	0.05	0.3	4.82	16
180970073	2012	12	25	10	V	0.05	0.2	5.16	39
180970073	2012	12	25	11	V	0.08	0.4	3.95	42
180970073	2012	12	25	12	V	0.07	0.3	4.15	43
180970073	2012	12	25	13	V	0.04	0.4	4.56	32
180970073	2012	12	25	14	V	0.02	0.5	5.21	29
180970073	2012	12	25	15	V	0.04	0.6	5.17	47
180970073	2012	12	25	16	V	0.04	0.3	5.82	63
180970073	2012	12	25	17	V	0.04	0	6.09	59
180970073	2012	12	25	18	V	0.04	0	6.31	50
180970073	2012	12	25	19	V	0.04	0	6.99	55
180970073	2012	12	25	20	V	0.04	0	7.01	54

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	25	21	V	0.04	0	7.72	57
180970073	2012	12	25	22	V	0.03	0	8.03	58
180970073	2012	12	25	23	V	0.03	0	7.94	56
180970073	2012	12	25	24	V	0.03	0	8.32	55
180970073	2012	12	26	1	V	0.03	0	8.85	53
180970073	2012	12	26	2	V	0.02	0	9.25	49
180970073	2012	12	26	3	V	0.02	0	10.32	52
180970073	2012	12	26	4	V	0.02	0	10.02	50
180970073	2012	12	26	5	V	0.02	0	10.26	50
180970073	2012	12	26	6	V	0.03	0	10.95	44
180970073	2012	12	26	7	V	0.03	0	10.28	37
180970073	2012	12	26	8	V	0.03	0	10.66	30
180970073	2012	12	26	9	V	0.005	0	12.01	27
180970073	2012	12	26	10	V	0.005	0	12.11	21
180970073	2012	12	26	11	V	0.01	0	11.21	15
180970073	2012	12	26	12	V	0.01	0	11.67	14
180970073	2012	12	26	13	V	0.01	0	11.04	11
180970073	2012	12	26	14	V	0.01	0	10.09	8
180970073	2012	12	26	15	V	0.03	0	9.32	3
180970073	2012	12	26	16	V	0.03	0	9.51	350
180970073	2012	12	26	17	V	0.03	0	9.63	344
180970073	2012	12	26	18	V	0.03	0	9.81	349
180970073	2012	12	26	19	V	0.03	0	8.76	349
180970073	2012	12	26	20	V	0.02	0	8.18	341
180970073	2012	12	26	21	V	0.02	0	7.54	335
180970073	2012	12	26	22	V	0.02	0	7.04	328
180970073	2012	12	26	23	V	0.02	0	6.97	324
180970073	2012	12	26	24	V	0.02	0	6.94	323
180970073	2012	12	27	1	V	0.02	0	6.21	326
180970073	2012	12	27	2	V	0.02	0	4.99	329
180970073	2012	12	27	3	V	0.02	0	3.3	314
180970073	2012	12	27	4	V	0.02	0	3.3	306
180970073	2012	12	27	5	V	0.02	0	3.66	288
180970073	2012	12	27	6	V	0.02	0	4.41	323
180970073	2012	12	27	7	V	0.02	0	4.58	337
180970073	2012	12	27	8	V	0.04	0	3.75	332
180970073	2012	12	27	9	V	0.09	0	3.22	293
180970073	2012	12	27	10	V	0.1	0.1	3.12	325
180970073	2012	12	27	11	V	0.07	0.2	3.51	325
180970073	2012	12	27	12	V	0.07	0.4	3.29	301
180970073	2012	12	27	13	V	0.1	0.4	3.03	299
180970073	2012	12	27	14	V	0.2	0.2	2.06	285
180970073	2012	12	27	15	V	0.05	0.1	2.2	269
180970073	2012	12	27	16	V	0.05	0	2.13	317
180970073	2012	12	27	17	V	0.09	0	1.74	312
180970073	2012	12	27	18	V	0.04	0	2.32	317

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	27	19	V	0.09	0	1.67	5
180970073	2012	12	27	20	V	0.1	0	1.64	32
180970073	2012	12	27	21	V	0.07	0	1.88	57
180970073	2012	12	27	22	V	0.03	0	2.86	107
180970073	2012	12	27	23	V	0.03	0	2.73	143
180970073	2012	12	27	24	V	0.03	0	2.47	132
180970073	2012	12	28	1	V	0.03	0	2.3	150
180970073	2012	12	28	2	V	0.05	0	2.11	134
180970073	2012	12	28	3	V	0.08	0	1.71	126
180970073	2012	12	28	4	V	0.04	0	2.25	120
180970073	2012	12	28	5	V	0.03	0	3.1	102
180970073	2012	12	28	6	V	0.03	0	3.44	117
180970073	2012	12	28	7	V	0.04	0	2.64	131
180970073	2012	12	28	8	V	0.07	0	1.93	132
180970073	2012	12	28	9	V	0.4	0	1.89	160
180970073	2012	12	28	10	V	0.5	0.6	1.94	125
180970073	2012	12	28	11	V	0.2	0.8	2.81	112
180970073	2012	12	28	12	V	0.1	1.6	2.76	117
180970073	2012	12	28	13	V	0.05	5	4.1	130
180970073	2012	12	28	14	V	0.02	4.7	3.93	125
180970073	2012	12	28	15	V	0.04	2.9	4.08	126
180970073	2012	12	28	16	V	0.04	2.5	4.19	137
180970073	2012	12	28	17	V	0.04	2.6	3.61	126
180970073	2012	12	28	18	V	0.04	3.7	3.12	105
180970073	2012	12	28	19	V	0.04	2.5	3.71	101
180970073	2012	12	28	20	V	0.04	4	3.22	104
180970073	2012	12	28	21	V	0.04	2.5	4.03	117
180970073	2012	12	28	22	V	0.04	1.3	2.72	115
180970073	2012	12	28	23	V	0.1	2	1.64	101
180970073	2012	12	28	24	V	0.1	2.3	1.82	33
180970073	2012	12	29	1	V	0.04	2.1	2.55	357
180970073	2012	12	29	2	V	0.04	2	3.01	353
180970073	2012	12	29	3	V	0.04	2.1	2.95	351
180970073	2012	12	29	4	V	0.04	2	3.61	339
180970073	2012	12	29	5	V	0.04	1.2	4	333
180970073	2012	12	29	6	V	0.03	0.8	4.28	327
180970073	2012	12	29	7	V	0.03	0.4	4.61	320
180970073	2012	12	29	8	V	0.04	0.7	5.5	321
180970073	2012	12	29	9	M	-999	1.6	5.68	316
180970073	2012	12	29	10	M	-999	2.7	5.12	307
180970073	2012	12	29	11	M	-999	4.1	4.97	292
180970073	2012	12	29	12	M	-999	4.2	4.31	288
180970073	2012	12	29	13	M	-999	2.5	6.47	285
180970073	2012	12	29	14	M	-999	1.6	9.24	292
180970073	2012	12	29	15	V	0.03	1.3	9.39	291
180970073	2012	12	29	16	V	0.03	1.1	8.62	288

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	29	17	V	0.03	0.7	8.95	291
180970073	2012	12	29	18	V	0.03	0.5	8.22	291
180970073	2012	12	29	19	V	0.03	0.3	8.96	278
180970073	2012	12	29	20	V	0.06	0.2	5.96	270
180970073	2012	12	29	21	V	0.03	0.2	7.96	277
180970073	2012	12	29	22	V	0.03	0.1	8.46	291
180970073	2012	12	29	23	V	0.03	-999	9.06	298
180970073	2012	12	29	24	V	0.03	0	6.96	288
180970073	2012	12	30	1	V	0.04	0	5.36	287
180970073	2012	12	30	2	V	0.04	0	4.27	283
180970073	2012	12	30	3	V	0.04	0	5.85	274
180970073	2012	12	30	4	V	0.3	0	6.28	265
180970073	2012	12	30	5	V	0.09	0	4.88	268
180970073	2012	12	30	6	V	7.9	0	4.31	253
180970073	2012	12	30	7	V	7.4	0.8	4.78	239
180970073	2012	12	30	8	V	4.5	0.3	3.73	223
180970073	2012	12	30	9	V	0.5	3.9	2.86	208
180970073	2012	12	30	10	V	0.4	10.9	2.9	202
180970073	2012	12	30	11	V	0.7	32.5	2.84	207
180970073	2012	12	30	12	V	0.3	51.6	2.66	201
180970073	2012	12	30	13	V	0.3	45.5	3.3	211
180970073	2012	12	30	14	V	22.4	8.3	4.15	233
180970073	2012	12	30	15	V	0.04	2.3	2.95	196
180970073	2012	12	30	16	V	3.3	2.8	4.05	244
180970073	2012	12	30	17	V	0.08	1.6	3.83	219
180970073	2012	12	30	18	V	0.04	1	4.83	200
180970073	2012	12	30	19	V	0.04	0.3	4.97	212
180970073	2012	12	30	20	V	0.04	0.3	4.41	193
180970073	2012	12	30	21	V	0.04	1.9	4.54	191
180970073	2012	12	30	22	V	0.03	1.6	4.76	197
180970073	2012	12	30	23	V	0.04	1.4	4.68	187
180970073	2012	12	30	24	V	0.04	1.6	5.8	191
180970073	2012	12	31	1	V	0.04	2.9	4.71	190
180970073	2012	12	31	2	V	0.03	2.7	5.79	192
180970073	2012	12	31	3	V	0.03	2.3	5.6	196
180970073	2012	12	31	4	V	0.03	1.7	5.27	210
180970073	2012	12	31	5	V	0.03	1.7	5.12	208
180970073	2012	12	31	6	V	0.03	4.7	6.33	203
180970073	2012	12	31	7	V	0.03	4.6	5.77	205
180970073	2012	12	31	8	V	1.5	4.4	5.34	221
180970073	2012	12	31	9	V	6.3	4.4	6.72	228
180970073	2012	12	31	10	V	2.7	5.6	7.08	225
180970073	2012	12	31	11	V	4.0	13.6	6.96	226
180970073	2012	12	31	12	V	1.9	7.6	5.65	222
180970073	2012	12	31	13	V	3.0	7.2	6.11	224
180970073	2012	12	31	14	V	12.1	8.6	6.5	233

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2012	12	31	15	V	8.2	1.9	4.53	226
180970073	2012	12	31	16	V	0.04	8.5	3.69	207
180970073	2012	12	31	17	V	0.04	2.4	4.66	215
180970073	2012	12	31	18	V	0.04	1.9	3.95	210
180970073	2012	12	31	19	V	0.04	1.4	4.23	197
180970073	2012	12	31	20	V	2.0	0.7	4.86	223
180970073	2012	12	31	21	V	14.0	4.1	4.36	228
180970073	2012	12	31	22	V	4.5	1.7	3.86	241
180970073	2012	12	31	23	V	3.7	2.2	3.36	241
180970073	2012	12	31	24	V	18.4	1.6	1.76	238
180970073	2013	1	1	1	V	0.06	0.8	2.36	281
180970073	2013	1	1	2	V	0.06	0.3	2.36	288
180970073	2013	1	1	3	V	0.04	0.1	4.36	314
180970073	2013	1	1	4	V	0.04	0	4.36	343
180970073	2013	1	1	5	V	0.04	0	4.36	343
180970073	2013	1	1	6	V	0.04	0	3.36	332
180970073	2013	1	1	7	V	0.04	0	3.8	335
180970073	2013	1	1	8	V	0.06	0	3.47	332
180970073	2013	1	1	9	V	0.05	0	4.54	345
180970073	2013	1	1	10	V	0.08	0.1	3.61	355
180970073	2013	1	1	11	V	0.1	0.3	3.29	351
180970073	2013	1	1	12	V	0.1	0.3	3.27	2
180970073	2013	1	1	13	V	0.05	0.2	4.17	9
180970073	2013	1	1	14	V	0.09	0.2	3.18	320
180970073	2013	1	1	15	V	0.05	0.2	4.17	324
180970073	2013	1	1	16	V	0.04	0.2	3.66	323
180970073	2013	1	1	17	V	0.04	0	3.57	313
180970073	2013	1	1	18	V	0.04	0	3.37	313
180970073	2013	1	1	19	V	0.04	0	3.42	316
180970073	2013	1	1	20	V	0.04	0	3.49	306
180970073	2013	1	1	21	V	0.04	0.4	4.44	312
180970073	2013	1	1	22	V	0.04	0.6	4.24	316
180970073	2013	1	1	23	V	0.06	0	2.67	295
180970073	2013	1	1	24	V	0.04	0	2.76	299
180970073	2013	1	2	1	V	0.07	0	2.37	268
180970073	2013	1	2	2	V	1.3	0	2.18	260
180970073	2013	1	2	3	V	0.07	0	2.4	266
180970073	2013	1	2	4	V	0.07	0	2.45	285
180970073	2013	1	2	5	V	0.07	0.2	2.4	275
180970073	2013	1	2	6	V	0.07	0.6	2.42	311
180970073	2013	1	2	7	V	0.2	0.6	1.76	295
180970073	2013	1	2	8	V	4.1	0.4	2.15	258
180970073	2013	1	2	9	V	1.7	0.5	2.42	267
180970073	2013	1	2	10	V	28.0	3.4	1.43	243
180970073	2013	1	2	11	V	23.0	1.5	1.54	222
180970073	2013	1	2	12	V	25.1	0.5	1.18	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	2	13	V	15.6	0	1.43	218
180970073	2013	1	2	14	V	1.8	0	1.26	198
180970073	2013	1	2	15	V	0.1	1.1	1.84	193
180970073	2013	1	2	16	V	0.3	31.2	1.89	218
180970073	2013	1	2	17	V	1.8	59.6	2.23	259
180970073	2013	1	2	18	V	0.1	0.7	1.89	279
180970073	2013	1	2	19	V	46.2	1	0.87	234
180970073	2013	1	2	20	V	0.05	2.2	2.86	167
180970073	2013	1	2	21	V	0.05	3.9	2.81	164
180970073	2013	1	2	22	V	0.05	4.6	2.83	158
180970073	2013	1	2	23	V	0.09	3.7	2.18	171
180970073	2013	1	2	24	V	0.06	2.1	2.49	186
180970073	2013	1	3	1	V	0.09	0.9	2.16	201
180970073	2013	1	3	2	V	0.1	0.5	2.13	194
180970073	2013	1	3	3	V	0.06	5.1	2.64	210
180970073	2013	1	3	4	V	32.7	2.2	2.66	231
180970073	2013	1	3	5	V	22.7	9.1	3.8	230
180970073	2013	1	3	6	V	0.2	15.8	3.64	223
180970073	2013	1	3	7	V	2.1	6.9	2.95	225
180970073	2013	1	3	8	V	11.0	6.9	3.78	226
180970073	2013	1	3	9	V	12.2	13.3	3.85	224
180970073	2013	1	3	10	V	24.9	25.6	4.93	235
180970073	2013	1	3	11	V	14.3	40.8	5.04	239
180970073	2013	1	3	12	V	1.9	20.1	5.16	245
180970073	2013	1	3	13	V	4.8	8.1	4.56	250
180970073	2013	1	3	14	V	2.1	3.6	5.12	243
180970073	2013	1	3	15	V	4.9	5	5.96	247
180970073	2013	1	3	16	V	5.2	7.4	5.89	248
180970073	2013	1	3	17	V	4.7	4.1	5.67	247
180970073	2013	1	3	18	V	4.4	6.9	5.12	246
180970073	2013	1	3	19	V	6.8	5.5	4.9	250
180970073	2013	1	3	20	V	6.2	2.1	5.1	249
180970073	2013	1	3	21	V	23.5	3	4.54	236
180970073	2013	1	3	22	V	21.7	4	4.31	236
180970073	2013	1	3	23	V	7.0	5.4	4.46	253
180970073	2013	1	3	24	V	0.03	1.3	6.01	280
180970073	2013	1	4	1	V	0.07	0.3	8.91	268
180970073	2013	1	4	2	V	0.4	0	6.92	263
180970073	2013	1	4	3	V	7.3	0.5	4.87	250
180970073	2013	1	4	4	V	4.1	0	4.2	239
180970073	2013	1	4	5	V	2.5	2	4.02	244
180970073	2013	1	4	6	V	7.2	3.6	4.54	250
180970073	2013	1	4	7	V	7.1	2.3	4.29	249
180970073	2013	1	4	8	V	8.0	3.2	4.22	241
180970073	2013	1	4	9	V	6.6	8.8	4.1	246
180970073	2013	1	4	10	V	3.2	7	5.46	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	4	11	V	1.7	5.7	6.8	255
180970073	2013	1	4	12	V	1.9	6.9	7.06	248
180970073	2013	1	4	13	V	1.8	12.8	8.13	253
180970073	2013	1	4	14	V	1.0	5.2	7.52	245
180970073	2013	1	4	15	V	9.8	6.6	7.16	240
180970073	2013	1	4	16	V	28.0	4.5	6.4	234
180970073	2013	1	4	17	V	24.6	2.1	6.8	231
180970073	2013	1	4	18	V	21.9	12.2	6.48	230
180970073	2013	1	4	19	V	20.6	21.4	5.84	229
180970073	2013	1	4	20	V	0.06	38.6	5.43	219
180970073	2013	1	4	21	V	1.1	8	5.63	223
180970073	2013	1	4	22	V	13.5	11.6	5.04	228
180970073	2013	1	4	23	V	29.3	6.9	4.32	235
180970073	2013	1	4	24	V	31.5	3.5	3.41	234
180970073	2013	1	5	1	V	17.9	3.3	3.08	229
180970073	2013	1	5	2	V	3.8	6.4	4.2	226
180970073	2013	1	5	3	V	3.2	4.7	3.71	226
180970073	2013	1	5	4	V	0.1	2.4	1.82	206
180970073	2013	1	5	5	V	0.09	1.4	2.16	180
180970073	2013	1	5	6	V	0.08	0.8	2.13	174
180970073	2013	1	5	7	V	0.06	0.8	2.56	165
180970073	2013	1	5	8	V	0.09	1.3	2.72	175
180970073	2013	1	5	9	V	0.5	1.6	2.28	170
180970073	2013	1	5	10	V	0.6	3.9	2.33	176
180970073	2013	1	5	11	V	0.2	3.8	3.35	180
180970073	2013	1	5	12	V	0.1	4.7	4.03	199
180970073	2013	1	5	13	V	0.3	4.8	3.15	202
180970073	2013	1	5	14	V	0.1	2.8	4.2	210
180970073	2013	1	5	15	V	0.05	3.5	4.43	196
180970073	2013	1	5	16	V	0.04	3.1	4.65	202
180970073	2013	1	5	17	V	0.05	1.9	6.28	215
180970073	2013	1	5	18	V	0.07	1.2	3.88	218
180970073	2013	1	5	19	V	0.04	0.8	3.57	197
180970073	2013	1	5	20	V	0.04	0.7	4.07	189
180970073	2013	1	5	21	V	0.04	2.1	3.8	193
180970073	2013	1	5	22	V	0.04	3.7	4.27	202
180970073	2013	1	5	23	V	0.04	-999	4.87	196
180970073	2013	1	5	24	V	0.04	3	5.17	201
180970073	2013	1	6	1	V	0.04	3.7	5.26	206
180970073	2013	1	6	2	V	0.04	3.8	4.78	211
180970073	2013	1	6	3	V	0.04	3.4	4.87	214
180970073	2013	1	6	4	V	3.9	3.6	5.65	224
180970073	2013	1	6	5	V	0.4	3.3	5.33	220
180970073	2013	1	6	6	V	0.2	3.4	4.73	219
180970073	2013	1	6	7	V	0.3	3.4	4.87	220
180970073	2013	1	6	8	V	0.4	3.1	5.05	218

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	6	9	V	17.5	4.6	5.51	231
180970073	2013	1	6	10	V	18.0	16.2	5.26	234
180970073	2013	1	6	11	V	0.01	5.1	10.19	272
180970073	2013	1	6	12	V	0.01	0.7	9.39	275
180970073	2013	1	6	13	V	0.01	0	8.88	279
180970073	2013	1	6	14	V	0.01	0	8.01	280
180970073	2013	1	6	15	V	0.04	0	7.89	290
180970073	2013	1	6	16	V	0.04	0	7.13	298
180970073	2013	1	6	17	V	0.04	0	6.07	313
180970073	2013	1	6	18	V	0.04	0	3.64	316
180970073	2013	1	6	19	V	0.04	0	5.07	285
180970073	2013	1	6	20	V	0.04	0	4	278
180970073	2013	1	6	21	V	0.04	0	4.25	281
180970073	2013	1	6	22	V	0.04	0	4.61	298
180970073	2013	1	6	23	V	0.04	0	3.69	292
180970073	2013	1	6	24	V	0.04	0	3.34	306
180970073	2013	1	7	1	V	0.04	0	2.71	302
180970073	2013	1	7	2	V	0.05	0	2.52	272
180970073	2013	1	7	3	V	10.2	0	3.22	253
180970073	2013	1	7	4	V	10.6	0	2.35	252
180970073	2013	1	7	5	V	15.1	0	2.39	237
180970073	2013	1	7	6	V	9.4	0	2.78	249
180970073	2013	1	7	7	V	3.6	0	2.5	225
180970073	2013	1	7	8	V	0.1	0	2.33	204
180970073	2013	1	7	9	V	0.5	0	2.38	151
180970073	2013	1	7	10	V	0.4	0.2	2.81	149
180970073	2013	1	7	11	V	0.4	0.3	3.12	171
180970073	2013	1	7	12	V	0.2	0	3.3	201
180970073	2013	1	7	13	V	0.04	1.5	5.51	188
180970073	2013	1	7	14	V	0.02	2.2	6.41	190
180970073	2013	1	7	15	V	0.04	1.5	6.53	177
180970073	2013	1	7	16	V	0.02	1.9	5.75	169
180970073	2013	1	7	17	V	0.02	1.2	4.63	171
180970073	2013	1	7	18	V	0.03	0.2	3.64	135
180970073	2013	1	7	19	V	0.04	0	3.27	143
180970073	2013	1	7	20	V	0.03	0	4.49	150
180970073	2013	1	7	21	V	0.03	0	3.54	149
180970073	2013	1	7	22	V	0.03	0	3.56	149
180970073	2013	1	7	23	V	0.08	0	2.28	200
180970073	2013	1	7	24	V	0.09	0	1.98	166
180970073	2013	1	8	1	V	0.04	0	3.01	154
180970073	2013	1	8	2	V	0.03	0	3.18	180
180970073	2013	1	8	3	V	0.02	0	3.63	180
180970073	2013	1	8	4	V	0.08	0	1.77	158
180970073	2013	1	8	5	V	0.02	0	3.07	159
180970073	2013	1	8	6	V	0.03	0	3.42	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	8	7	V	0.03	0	3.08	165
180970073	2013	1	8	8	V	1.2	0	1.18	153
180970073	2013	1	8	9	V	0.8	0	1.74	120
180970073	2013	1	8	10	V	0.6	1.6	2.37	115
180970073	2013	1	8	11	V	0.3	2.1	2.93	131
180970073	2013	1	8	12	V	0.2	3.4	3.5	159
180970073	2013	1	8	13	V	0.2	4.7	3.27	151
180970073	2013	1	8	14	V	0.2	4.4	2.96	164
180970073	2013	1	8	15	V	0.06	3.2	3.07	157
180970073	2013	1	8	16	V	0.03	1.7	3.18	169
180970073	2013	1	8	17	V	0.02	1.5	3.39	162
180970073	2013	1	8	18	V	0.03	1.2	3.63	160
180970073	2013	1	8	19	V	0.03	0.7	3.75	151
180970073	2013	1	8	20	V	0.03	0.7	3.92	151
180970073	2013	1	8	21	V	0.04	1	2.84	157
180970073	2013	1	8	22	V	0.03	0.8	3.42	143
180970073	2013	1	8	23	V	0.03	0.8	2.89	148
180970073	2013	1	8	24	V	0.03	0.7	3.34	158
180970073	2013	1	9	1	V	0.04	0.9	4.36	163
180970073	2013	1	9	2	V	0.03	1	4.41	161
180970073	2013	1	9	3	V	0.03	1.2	3.35	187
180970073	2013	1	9	4	V	0.03	1.3	4.34	211
180970073	2013	1	9	5	V	4.4	1.5	5.75	225
180970073	2013	1	9	6	V	13.8	3.6	7.11	236
180970073	2013	1	9	7	V	15.3	2.4	6.38	229
180970073	2013	1	9	8	V	23.1	11.1	6.43	233
180970073	2013	1	9	9	V	11.3	9.7	5.92	237
180970073	2013	1	9	10	V	6.5	7.3	4.82	243
180970073	2013	1	9	11	V	6.9	6.5	4.75	244
180970073	2013	1	9	12	V	2.2	11.2	5.68	246
180970073	2013	1	9	13	V	3.0	4.4	5.34	247
180970073	2013	1	9	14	V	1.4	8	5.97	242
180970073	2013	1	9	15	V	5.7	10	5.41	248
180970073	2013	1	9	16	V	0.3	1.3	4.56	264
180970073	2013	1	9	17	V	0.04	0.5	3.9	271
180970073	2013	1	9	18	V	0.03	0.4	3.42	278
180970073	2013	1	9	19	V	6.4	0.4	2.95	255
180970073	2013	1	9	20	V	10.7	0.4	3.2	252
180970073	2013	1	9	21	V	20.7	0	2.45	237
180970073	2013	1	9	22	V	8.8	0	2.49	239
180970073	2013	1	9	23	V	11.0	0	2.3	251
180970073	2013	1	9	24	V	0.3	0	1.59	266
180970073	2013	1	10	1	V	0.3	0	1.33	340
180970073	2013	1	10	2	V	0.1	0	1.86	101
180970073	2013	1	10	3	V	0.09	0	1.96	133
180970073	2013	1	10	4	V	0.2	0	1.43	124

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	10	5	V	0.09	0	1.79	80
180970073	2013	1	10	6	V	0.04	0	2.4	53
180970073	2013	1	10	7	V	0.08	0	2.06	64
180970073	2013	1	10	8	V	0.07	0	3.15	66
180970073	2013	1	10	9	V	0.09	0	3.95	85
180970073	2013	1	10	10	V	0.1	0.6	3.76	83
180970073	2013	1	10	11	V	0.1	0.7	4.09	88
180970073	2013	1	10	12	V	0.07	0.6	4.73	90
180970073	2013	1	10	13	V	0.04	0.5	5.67	105
180970073	2013	1	10	14	V	0.02	0.8	6.3	101
180970073	2013	1	10	15	V	0.04	0.6	6.99	107
180970073	2013	1	10	16	V	0.04	1.3	7.06	116
180970073	2013	1	10	17	V	0.04	0.3	5.72	107
180970073	2013	1	10	18	V	0.04	0	6.41	109
180970073	2013	1	10	19	V	0.04	0.3	6.21	112
180970073	2013	1	10	20	V	0.04	0.4	6.33	115
180970073	2013	1	10	21	V	0.04	0.2	6.57	119
180970073	2013	1	10	22	V	0.04	0.5	6.46	125
180970073	2013	1	10	23	V	0.04	1.2	5.14	133
180970073	2013	1	10	24	V	0.04	2.3	5.11	126
180970073	2013	1	11	1	V	0.03	2.5	5.7	137
180970073	2013	1	11	2	V	0.03	2	6.75	132
180970073	2013	1	11	3	V	0.03	1.8	6.18	138
180970073	2013	1	11	4	V	0.03	1.1	5.21	148
180970073	2013	1	11	5	V	0.03	0.7	3.98	202
180970073	2013	1	11	6	V	0.03	0.8	5.33	132
180970073	2013	1	11	7	V	0.04	0.1	5.56	139
180970073	2013	1	11	8	V	0.03	0	5.36	170
180970073	2013	1	11	9	V	0.03	0	6.36	189
180970073	2013	1	11	10	V	0.03	0	6.75	210
180970073	2013	1	11	11	V	3.9	2.2	6.41	224
180970073	2013	1	11	12	V	4.3	6.8	6.94	225
180970073	2013	1	11	13	V	2.9	4.1	8.2	226
180970073	2013	1	11	14	V	3.4	9.1	8.62	227
180970073	2013	1	11	15	V	1.6	2.5	7.6	220
180970073	2013	1	11	16	V	0.5	0.9	7.33	220
180970073	2013	1	11	17	V	0.04	0.5	5.96	205
180970073	2013	1	11	18	V	0.04	0.3	4.22	187
180970073	2013	1	11	19	V	0.04	0	3.86	180
180970073	2013	1	11	20	V	0.04	0	4.37	178
180970073	2013	1	11	21	V	0.04	0	4.31	179
180970073	2013	1	11	22	V	0.04	0.2	4.78	186
180970073	2013	1	11	23	V	0.04	0.2	5.26	191
180970073	2013	1	11	24	V	0.04	0.2	5.12	191
180970073	2013	1	12	1	V	0.03	0.1	4.43	182
180970073	2013	1	12	2	V	0.03	0	3.91	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	12	3	V	0.03	0	3.49	181
180970073	2013	1	12	4	V	0.03	0	3.39	183
180970073	2013	1	12	5	V	0.03	0	3.4	184
180970073	2013	1	12	6	V	0.03	0	4.22	205
180970073	2013	1	12	7	V	0.03	0	4.05	209
180970073	2013	1	12	8	V	0.09	0	3.42	201
180970073	2013	1	12	9	V	0.2	0	3.51	183
180970073	2013	1	12	10	V	0.3	0	3.24	191
180970073	2013	1	12	11	V	0.1	0	4.68	202
180970073	2013	1	12	12	V	17.4	6.8	5.94	232
180970073	2013	1	12	13	V	14.2	12.3	5.16	238
180970073	2013	1	12	14	V	32.5	26.4	2.81	231
180970073	2013	1	12	15	V	0.09	6.8	1.96	201
180970073	2013	1	12	16	V	0.04	1.5	3.3	155
180970073	2013	1	12	17	V	0.05	0.5	3.3	133
180970073	2013	1	12	18	V	0.05	0	3.35	129
180970073	2013	1	12	19	V	0.05	0	3.12	99
180970073	2013	1	12	20	V	0.04	0	3.22	359
180970073	2013	1	12	21	V	0.03	0	3.91	48
180970073	2013	1	12	22	V	0.03	0	4.02	66
180970073	2013	1	12	23	V	0.03	-999	3.61	83
180970073	2013	1	12	24	V	0.03	0	2.71	358
180970073	2013	1	13	1	V	0.03	0	3.34	30
180970073	2013	1	13	2	V	0.01	0	10.09	323
180970073	2013	1	13	3	V	0.02	0	5.73	340
180970073	2013	1	13	4	V	0.02	0	4.97	323
180970073	2013	1	13	5	V	0.02	0	4.83	314
180970073	2013	1	13	6	V	0.02	0	4.12	328
180970073	2013	1	13	7	V	0.03	0	3.24	340
180970073	2013	1	13	8	V	0.04	0	4.1	332
180970073	2013	1	13	9	V	0.06	0	3.85	339
180970073	2013	1	13	10	V	0.08	0	3.8	321
180970073	2013	1	13	11	V	0.09	0	3.54	334
180970073	2013	1	13	12	V	0.04	0	4.87	314
180970073	2013	1	13	13	V	0.05	0	4.41	345
180970073	2013	1	13	14	V	0.02	0	5.12	328
180970073	2013	1	13	15	V	0.03	0	7.71	301
180970073	2013	1	13	16	V	0.03	0	6.38	322
180970073	2013	1	13	17	V	0.03	0	6.28	324
180970073	2013	1	13	18	V	0.04	0	5.58	305
180970073	2013	1	13	19	V	0.03	0	6.58	300
180970073	2013	1	13	20	V	0.03	0	8.22	298
180970073	2013	1	13	21	V	0.03	0	7.84	297
180970073	2013	1	13	22	V	0.03	0	7.91	300
180970073	2013	1	13	23	V	0.03	0	6.69	297
180970073	2013	1	13	24	V	0.03	0	6.06	302

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	14	1	V	0.03	0	6.35	304
180970073	2013	1	14	2	V	0.03	0	6.45	291
180970073	2013	1	14	3	V	0.03	0	5.94	283
180970073	2013	1	14	4	V	0.04	0	5.21	302
180970073	2013	1	14	5	V	0.04	0	4.43	311
180970073	2013	1	14	6	V	0.03	0	4.66	302
180970073	2013	1	14	7	V	0.03	0	4.51	309
180970073	2013	1	14	8	V	0.09	0	3.52	314
180970073	2013	1	14	9	V	0.2	0	3.71	310
180970073	2013	1	14	10	V	0.2	0	3.58	337
180970073	2013	1	14	11	V	0.5	0	2.44	357
180970073	2013	1	14	12	V	0.6	0	1.89	33
180970073	2013	1	14	13	V	0.5	0	1.76	317
180970073	2013	1	14	14	V	0.2	0	2.78	313
180970073	2013	1	14	15	V	0.05	0	3.81	324
180970073	2013	1	14	16	V	0.04	0	3.63	327
180970073	2013	1	14	17	V	0.04	0	4	331
180970073	2013	1	14	18	V	0.04	0	3.27	357
180970073	2013	1	14	19	V	0.03	0	3.73	10
180970073	2013	1	14	20	V	0.04	0	3.39	13
180970073	2013	1	14	21	V	0.04	0	3.4	24
180970073	2013	1	14	22	V	0.03	0	3.35	10
180970073	2013	1	14	23	V	0.04	0	3.87	20
180970073	2013	1	14	24	V	0.04	0	3.39	12
180970073	2013	1	15	1	V	0.04	0	3.2	23
180970073	2013	1	15	2	V	0.03	0	3.07	10
180970073	2013	1	15	3	V	0.03	0	3.39	13
180970073	2013	1	15	4	V	0.03	0	3.92	14
180970073	2013	1	15	5	V	0.02	0	3.68	12
180970073	2013	1	15	6	V	0.03	0	3.8	16
180970073	2013	1	15	7	V	0.03	0	3.95	34
180970073	2013	1	15	8	V	0.07	0	4.26	46
180970073	2013	1	15	9	V	0.08	0	4.39	43
180970073	2013	1	15	10	V	0.07	0	4.88	53
180970073	2013	1	15	11	V	0.07	0	4.85	50
180970073	2013	1	15	12	V	0.06	0	5.22	56
180970073	2013	1	15	13	V	0.05	0	5.46	56
180970073	2013	1	15	14	V	0.05	0	5.22	54
180970073	2013	1	15	15	V	0.05	0	4.19	62
180970073	2013	1	15	16	V	0.04	0	4.03	68
180970073	2013	1	15	17	V	0.04	0	4.05	73
180970073	2013	1	15	18	V	0.04	0	4.03	57
180970073	2013	1	15	19	V	0.04	0	3.97	41
180970073	2013	1	15	20	V	0.04	0	4.1	45
180970073	2013	1	15	21	V	0.04	0	4.49	36
180970073	2013	1	15	22	V	0.04	0	3.97	44

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	15	23	V	0.03	0	3.59	51
180970073	2013	1	15	24	V	0.02	0	3.25	41
180970073	2013	1	16	1	V	0.07	0	2.05	40
180970073	2013	1	16	2	V	0.3	0	1.25	344
180970073	2013	1	16	3	V	0.09	0	1.82	12
180970073	2013	1	16	4	V	0.07	0	1.93	354
180970073	2013	1	16	5	V	0.08	0	1.82	331
180970073	2013	1	16	6	V	0.09	0	1.96	308
180970073	2013	1	16	7	V	0.2	0	1.69	302
180970073	2013	1	16	8	V	0.1	0	1.72	283
180970073	2013	1	16	9	V	9.1	0	2.66	248
180970073	2013	1	16	10	V	9.7	3	3.69	245
180970073	2013	1	16	11	V	0.07	0.9	5.09	270
180970073	2013	1	16	12	V	1.4	0.8	4.09	261
180970073	2013	1	16	13	V	9.3	1.2	4.2	241
180970073	2013	1	16	14	V	22.6	13.5	5.14	234
180970073	2013	1	16	15	V	4.8	16.2	5.33	223
180970073	2013	1	16	16	V	13.3	38.2	5.5	228
180970073	2013	1	16	17	V	2.0	24.3	5.65	223
180970073	2013	1	16	18	V	0.1	8.9	5.05	219
180970073	2013	1	16	19	V	0.03	4.7	3.93	214
180970073	2013	1	16	20	V	7.0	5.8	4.63	226
180970073	2013	1	16	21	V	22.2	17.2	6.14	235
180970073	2013	1	16	22	V	21.5	2.8	6.01	235
180970073	2013	1	16	23	V	16.7	1.8	5.05	235
180970073	2013	1	16	24	V	17.9	3.9	3.76	235
180970073	2013	1	17	1	V	2.2	2.4	3.56	240
180970073	2013	1	17	2	V	1.7	3.7	2.83	259
180970073	2013	1	17	3	V	7.2	2.1	2.54	248
180970073	2013	1	17	4	V	25.1	2.5	2.64	232
180970073	2013	1	17	5	V	1.8	2.9	2.37	244
180970073	2013	1	17	6	V	6.1	10.7	2.47	239
180970073	2013	1	17	7	V	0.5	7.9	1.84	263
180970073	2013	1	17	8	V	0.2	3.6	1.4	285
180970073	2013	1	17	9	V	0.5	2.2	2.1	325
180970073	2013	1	17	10	V	0.2	1.9	3.73	342
180970073	2013	1	17	11	V	0.06	2.7	4.7	344
180970073	2013	1	17	12	V	0.08	2.6	4.49	358
180970073	2013	1	17	13	V	0.09	1	4.1	339
180970073	2013	1	17	14	V	0.03	0.3	5.84	329
180970073	2013	1	17	15	V	0.01	0	7.54	326
180970073	2013	1	17	16	V	0.02	0.3	8.37	329
180970073	2013	1	17	17	V	0.02	0.9	7.88	326
180970073	2013	1	17	18	V	0.02	1.5	7.09	326
180970073	2013	1	17	19	V	0.03	1.5	6.04	338
180970073	2013	1	17	20	V	0.03	0.7	4.24	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	17	21	V	0.03	0.4	4.1	341
180970073	2013	1	17	22	V	0.03	0	4.12	355
180970073	2013	1	17	23	V	0.03	0.1	4.2	346
180970073	2013	1	17	24	V	0.05	0	2.18	332
180970073	2013	1	18	1	V	0.3	0	1.28	283
180970073	2013	1	18	2	V	0.4	0	1.33	268
180970073	2013	1	18	3	V	8.3	0	1.59	253
180970073	2013	1	18	4	V	6.7	0	2.22	226
180970073	2013	1	18	5	V	0.09	0	2.55	220
180970073	2013	1	18	6	V	0.2	0	2.91	222
180970073	2013	1	18	7	V	2.5	0	2.35	224
180970073	2013	1	18	8	V	0.4	0	1.86	194
180970073	2013	1	18	9	V	0.7	0	1.84	200
180970073	2013	1	18	10	V	0.4	0.7	2.59	197
180970073	2013	1	18	11	V	0.08	0.1	4.53	195
180970073	2013	1	18	12	V	0.04	0	5.44	196
180970073	2013	1	18	13	V	0.03	0	6.18	188
180970073	2013	1	18	14	V	0.02	0.2	6.91	190
180970073	2013	1	18	15	V	0.01	0.5	8.44	195
180970073	2013	1	18	16	V	0.03	0.3	8.78	192
180970073	2013	1	18	17	V	0.03	0.1	7.2	185
180970073	2013	1	18	18	V	0.03	0.9	6.96	182
180970073	2013	1	18	19	V	0.03	2	7.14	182
180970073	2013	1	18	20	V	0.03	2	7.03	187
180970073	2013	1	18	21	V	0.03	1.7	7.23	193
180970073	2013	1	18	22	V	0.02	2.3	8.91	199
180970073	2013	1	18	23	V	0.02	2.2	8.79	201
180970073	2013	1	18	24	V	0.02	2	7.88	205
180970073	2013	1	19	1	V	0.02	1.4	7.26	206
180970073	2013	1	19	2	V	0.02	1	7.43	213
180970073	2013	1	19	3	V	0.5	1	7.5	221
180970073	2013	1	19	4	V	1.6	2.6	8.54	223
180970073	2013	1	19	5	V	4.2	2.6	9.49	225
180970073	2013	1	19	6	V	0.6	1.6	8.64	221
180970073	2013	1	19	7	V	0.05	1.5	8.37	217
180970073	2013	1	19	8	V	0.02	1.4	7.4	215
180970073	2013	1	19	9	V	0.03	1.3	6.7	210
180970073	2013	1	19	10	V	0.02	1.4	7.47	209
180970073	2013	1	19	11	V	0.02	1.3	8.13	213
180970073	2013	1	19	12	V	0.02	1.2	8.79	212
180970073	2013	1	19	13	V	0.2	1.1	9.1	221
180970073	2013	1	19	14	V	1.9	1.2	10.19	226
180970073	2013	1	19	15	V	0.1	1.5	11.38	222
180970073	2013	1	19	16	V	1.3	1	10.32	222
180970073	2013	1	19	17	V	0.4	0.9	10.1	219
180970073	2013	1	19	18	V	15.7	1.4	9.95	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	19	19	V	1.4	1.8	9.59	222
180970073	2013	1	19	20	V	0.07	3.3	9.64	217
180970073	2013	1	19	21	V	18.0	3	9.76	230
180970073	2013	1	19	22	V	19.8	14.3	9.08	235
180970073	2013	1	19	23	V	17.2	-999	8.2	236
180970073	2013	1	19	24	V	3.2	1.6	7.86	242
180970073	2013	1	20	1	V	3.9	5.9	6.79	247
180970073	2013	1	20	2	V	0.03	5.9	8.69	270
180970073	2013	1	20	3	V	0.02	1	9.24	289
180970073	2013	1	20	4	V	0.02	0	10.39	299
180970073	2013	1	20	5	V	0.02	0	9.8	297
180970073	2013	1	20	6	V	0.02	0	8.45	298
180970073	2013	1	20	7	V	0.02	0	8.3	298
180970073	2013	1	20	8	V	0.01	0	8.56	305
180970073	2013	1	20	9	V	0.01	0	8.57	300
180970073	2013	1	20	10	V	0.01	0	8.15	303
180970073	2013	1	20	11	V	0.02	0	6.77	309
180970073	2013	1	20	12	V	0.07	0	4.36	314
180970073	2013	1	20	13	V	0.06	0	4.44	296
180970073	2013	1	20	14	V	0.05	0	4.05	285
180970073	2013	1	20	15	V	0.05	0	3.9	291
180970073	2013	1	20	16	V	0.03	0	4.66	300
180970073	2013	1	20	17	V	0.03	0	5.63	304
180970073	2013	1	20	18	V	0.03	0	4.53	293
180970073	2013	1	20	19	V	0.04	0	4.6	298
180970073	2013	1	20	20	V	0.04	0	4.34	292
180970073	2013	1	20	21	V	0.04	0	3.85	289
180970073	2013	1	20	22	V	0.04	0	4.7	304
180970073	2013	1	20	23	V	0.04	0	4.94	297
180970073	2013	1	20	24	V	0.03	0	4.25	295
180970073	2013	1	21	1	V	0.03	0	5.36	289
180970073	2013	1	21	2	V	0.03	0	4.23	299
180970073	2013	1	21	3	V	0.03	0	4.8	284
180970073	2013	1	21	4	V	0.03	0	5.1	296
180970073	2013	1	21	5	V	0.03	0	6.04	301
180970073	2013	1	21	6	V	0.03	0	5.85	289
180970073	2013	1	21	7	V	0.03	0	6.18	282
180970073	2013	1	21	8	V	0.04	0	6.46	275
180970073	2013	1	21	9	V	0.02	0	7.48	266
180970073	2013	1	21	10	V	0.02	0	10	267
180970073	2013	1	21	11	V	0.01	0	9.73	281
180970073	2013	1	21	12	V	0.01	0	9.88	282
180970073	2013	1	21	13	V	0.01	0	10.39	278
180970073	2013	1	21	14	V	0.01	0	9.24	285
180970073	2013	1	21	15	V	0.01	0	9.51	291
180970073	2013	1	21	16	V	0.03	0	10.09	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	21	17	V	0.02	0	9.34	285
180970073	2013	1	21	18	V	0.03	0	8.28	280
180970073	2013	1	21	19	V	0.03	0	7.42	288
180970073	2013	1	21	20	V	0.03	0	7.06	288
180970073	2013	1	21	21	V	0.03	0	6.41	277
180970073	2013	1	21	22	V	0.03	0	6.67	276
180970073	2013	1	21	23	V	0.03	0	7.18	278
180970073	2013	1	21	24	V	0.03	0	7.72	284
180970073	2013	1	22	1	V	0.03	-999	7.16	294
180970073	2013	1	22	2	V	0.03	-999	6.53	300
180970073	2013	1	22	3	V	0.03	-999	6.55	297
180970073	2013	1	22	4	V	0.03	-999	5.72	291
180970073	2013	1	22	5	V	0.03	-999	6.21	294
180970073	2013	1	22	6	V	0.03	-999	5.73	296
180970073	2013	1	22	7	V	0.03	-999	4.75	298
180970073	2013	1	22	8	V	0.09	-999	4.66	295
180970073	2013	1	22	9	V	0.07	-999	4.9	291
180970073	2013	1	22	10	V	0.05	-999	5.6	291
180970073	2013	1	22	11	V	0.06	-999	5.34	292
180970073	2013	1	22	12	V	0.07	0	4.85	282
180970073	2013	1	22	13	V	0.06	0	4.73	291
180970073	2013	1	22	14	V	0.04	0	5.21	280
180970073	2013	1	22	15	V	0.3	0	6.06	261
180970073	2013	1	22	16	V	0.03	0	6.36	273
180970073	2013	1	22	17	V	0.1	0	6.4	266
180970073	2013	1	22	18	V	4.4	0	6.26	247
180970073	2013	1	22	19	V	6.3	0.6	5.39	253
180970073	2013	1	22	20	V	6.3	0.7	5.14	253
180970073	2013	1	22	21	V	0.3	1.3	5.11	265
180970073	2013	1	22	22	V	0.04	0	5.65	273
180970073	2013	1	22	23	V	0.05	0	5.82	271
180970073	2013	1	22	24	V	0.04	0.6	4.99	283
180970073	2013	1	23	1	V	0.04	1.4	4.8	275
180970073	2013	1	23	2	V	0.09	1.1	4.34	267
180970073	2013	1	23	3	V	0.03	0	3.78	279
180970073	2013	1	23	4	V	0.07	0	2.44	269
180970073	2013	1	23	5	V	8.4	0	2.25	254
180970073	2013	1	23	6	V	7.4	0	2.16	248
180970073	2013	1	23	7	V	0.7	0.1	2.52	261
180970073	2013	1	23	8	V	0.7	1	2.28	264
180970073	2013	1	23	9	V	12.2	6.6	2.13	248
180970073	2013	1	23	10	V	8.1	-999	2.81	220
180970073	2013	1	23	11	V	0.2	-999	3.69	202
180970073	2013	1	23	12	V	0.1	6.2	3.95	214
180970073	2013	1	23	13	V	0.08	24.7	4.02	211
180970073	2013	1	23	14	V	0.07	14.7	4.02	215

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	23	15	V	1.1	14.8	4.44	220
180970073	2013	1	23	16	V	0.05	28.1	2.61	215
180970073	2013	1	23	17	V	0.3	26.2	1.3	210
180970073	2013	1	23	18	V	1.9	28.4	0.63	98
180970073	2013	1	23	19	V	1.1	23.1	0.84	89
180970073	2013	1	23	20	V	0.2	17.9	1.76	148
180970073	2013	1	23	21	V	0.05	3.9	2.67	184
180970073	2013	1	23	22	V	0.07	2.1	2.5	212
180970073	2013	1	23	23	V	10.1	2.9	2.91	252
180970073	2013	1	23	24	V	0.03	2.5	7.14	323
180970073	2013	1	24	1	V	0.03	0.2	8.05	333
180970073	2013	1	24	2	V	0.03	0	8.37	332
180970073	2013	1	24	3	V	0.03	0	6.7	323
180970073	2013	1	24	4	V	0.03	0	6.77	330
180970073	2013	1	24	5	V	0.03	0	5.82	327
180970073	2013	1	24	6	V	0.04	0	4.65	336
180970073	2013	1	24	7	V	0.03	0	4.46	329
180970073	2013	1	24	8	V	0.2	0	4.02	321
180970073	2013	1	24	9	V	0.1	0	3.69	324
180970073	2013	1	24	10	V	0.1	0.1	3.39	333
180970073	2013	1	24	11	V	0.2	0.1	3.08	4
180970073	2013	1	24	12	V	0.1	0	3.59	34
180970073	2013	1	24	13	V	0.09	0	3.79	52
180970073	2013	1	24	14	V	0.1	0	3.35	46
180970073	2013	1	24	15	V	0.03	0	3.29	62
180970073	2013	1	24	16	V	0.04	0	3.06	76
180970073	2013	1	24	17	V	0.04	0	3.34	86
180970073	2013	1	24	18	V	0.04	0	3.34	91
180970073	2013	1	24	19	V	0.04	0	3.54	94
180970073	2013	1	24	20	V	0.05	0	4.87	90
180970073	2013	1	24	21	V	0.05	0	4.63	94
180970073	2013	1	24	22	V	0.04	0	5.27	111
180970073	2013	1	24	23	V	0.03	0	5.75	110
180970073	2013	1	24	24	V	0.04	0	5.65	115
180970073	2013	1	25	1	V	0.03	0	6.43	116
180970073	2013	1	25	2	V	0.03	3.3	4.63	127
180970073	2013	1	25	3	V	0.03	9.6	5.34	125
180970073	2013	1	25	4	V	0.03	10.7	4.6	116
180970073	2013	1	25	5	V	0.03	11.5	5.67	116
180970073	2013	1	25	6	V	0.03	13.7	6.13	126
180970073	2013	1	25	7	V	0.03	13	6.19	133
180970073	2013	1	25	8	V	0.06	8.8	3.91	130
180970073	2013	1	25	9	V	0.2	8	2.79	121
180970073	2013	1	25	10	V	0.3	9.7	2.61	132
180970073	2013	1	25	11	V	0.5	10.8	2.27	161
180970073	2013	1	25	12	V	0.2	8.2	2.56	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	25	13	V	29.7	14	3.75	235
180970073	2013	1	25	14	V	2.3	16.4	4.37	243
180970073	2013	1	25	15	V	4.8	7.5	4.46	256
180970073	2013	1	25	16	V	4.5	13.3	4.88	246
180970073	2013	1	25	17	V	6.4	12.3	5.5	251
180970073	2013	1	25	18	V	15.5	11.2	4.9	238
180970073	2013	1	25	19	V	0.4	7.2	4.46	222
180970073	2013	1	25	20	V	0.04	5.6	3.25	210
180970073	2013	1	25	21	V	0.05	2.8	2.95	203
180970073	2013	1	25	22	V	0.03	4.1	3.4	203
180970073	2013	1	25	23	V	0.06	3	2.89	215
180970073	2013	1	25	24	V	2.7	6.3	3.52	257
180970073	2013	1	26	1	V	0.03	2.2	3.4	281
180970073	2013	1	26	2	V	0.07	0.6	3.13	265
180970073	2013	1	26	3	V	4.6	0.1	2.83	256
180970073	2013	1	26	4	V	11.9	0	2.89	252
180970073	2013	1	26	5	V	0.2	0	2.86	264
180970073	2013	1	26	6	V	0.05	0	2.59	302
180970073	2013	1	26	7	V	0.05	0	2.66	313
180970073	2013	1	26	8	V	0.2	0	2.64	295
180970073	2013	1	26	9	V	0.3	0.1	3.13	290
180970073	2013	1	26	10	V	0.2	1.4	4.02	322
180970073	2013	1	26	11	V	0.1	1.5	4.44	336
180970073	2013	1	26	12	V	0.3	0.7	2.91	335
180970073	2013	1	26	13	V	0.5	0.3	1.96	4
180970073	2013	1	26	14	V	0.7	0.2	1.57	15
180970073	2013	1	26	15	V	0.3	0	1.67	311
180970073	2013	1	26	16	V	0.2	0	1.53	287
180970073	2013	1	26	17	V	0.2	0	1.72	273
180970073	2013	1	26	18	V	0.1	0	2.22	318
180970073	2013	1	26	19	V	0.06	0	2.66	351
180970073	2013	1	26	20	V	0.05	0	2.83	60
180970073	2013	1	26	21	V	0.04	0	3.1	84
180970073	2013	1	26	22	V	0.05	0	2.74	72
180970073	2013	1	26	23	V	0.05	-999	2.84	96
180970073	2013	1	26	24	V	0.03	0	3.91	100
180970073	2013	1	27	1	V	0.03	0	3.73	114
180970073	2013	1	27	2	V	0.03	0	3.76	110
180970073	2013	1	27	3	V	0.03	0	3.34	107
180970073	2013	1	27	4	V	0.03	0	3.24	119
180970073	2013	1	27	5	V	0.03	0	3.57	110
180970073	2013	1	27	6	V	0.03	0.1	4.02	105
180970073	2013	1	27	7	V	0.04	2.7	3.95	108
180970073	2013	1	27	8	V	0.1	6.8	3.3	115
180970073	2013	1	27	9	V	0.07	9.6	4.51	109
180970073	2013	1	27	10	V	0.1	10.7	4.34	133

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	27	11	V	0.1	10.6	4.42	128
180970073	2013	1	27	12	V	0.1	9.7	4.36	128
180970073	2013	1	27	13	V	0.08	5.9	4.66	128
180970073	2013	1	27	14	V	0.07	2.4	4.99	120
180970073	2013	1	27	15	V	0.06	1.8	5.5	126
180970073	2013	1	27	16	V	0.04	1.6	5.58	134
180970073	2013	1	27	17	V	0.04	1.7	5.45	131
180970073	2013	1	27	18	V	0.04	1.5	6.13	137
180970073	2013	1	27	19	V	0.05	1.3	5.17	144
180970073	2013	1	27	20	V	0.05	0.5	3.85	132
180970073	2013	1	27	21	V	0.05	0	4.88	123
180970073	2013	1	27	22	V	0.04	0	5.31	140
180970073	2013	1	27	23	V	0.04	0	6.16	142
180970073	2013	1	27	24	V	0.04	0	4.14	156
180970073	2013	1	28	1	V	0.04	0	2.79	169
180970073	2013	1	28	2	V	0.03	0	4.42	148
180970073	2013	1	28	3	V	0.03	0	3.03	160
180970073	2013	1	28	4	V	0.03	0	3.17	171
180970073	2013	1	28	5	V	0.04	0	2.62	152
180970073	2013	1	28	6	V	0.03	0	5.04	174
180970073	2013	1	28	7	V	0.04	0	3.83	210
180970073	2013	1	28	8	V	8.7	0	7.3	225
180970073	2013	1	28	9	V	0.2	0	7.28	219
180970073	2013	1	28	10	V	0.03	0	6.87	215
180970073	2013	1	28	11	V	0.06	0	6.77	216
180970073	2013	1	28	12	V	0.03	0	6.84	214
180970073	2013	1	28	13	V	0.06	0	6.58	216
180970073	2013	1	28	14	V	0.1	0	5.72	216
180970073	2013	1	28	15	V	0.3	0	5.16	215
180970073	2013	1	28	16	V	0.04	0	5.33	214
180970073	2013	1	28	17	V	0.04	0	5.11	211
180970073	2013	1	28	18	V	0.04	0	4.2	209
180970073	2013	1	28	19	V	0.04	0	3.59	194
180970073	2013	1	28	20	V	0.04	0	3.76	183
180970073	2013	1	28	21	V	0.04	0	3.68	185
180970073	2013	1	28	22	V	0.04	0	3.76	194
180970073	2013	1	28	23	V	0.04	0	3.97	188
180970073	2013	1	28	24	V	0.03	0	4.51	193
180970073	2013	1	29	1	V	0.04	0	4.68	190
180970073	2013	1	29	2	V	0.04	0	4.9	182
180970073	2013	1	29	3	V	0.04	0	4.58	179
180970073	2013	1	29	4	V	0.04	0	4.83	186
180970073	2013	1	29	5	V	0.04	0	5.39	183
180970073	2013	1	29	6	V	0.04	0	6.89	196
180970073	2013	1	29	7	V	0.03	0	8.73	194
180970073	2013	1	29	8	V	0.01	0	8.42	192

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	29	9	V	0.01	0	7.65	193
180970073	2013	1	29	10	V	0.02	0	7.18	190
180970073	2013	1	29	11	V	0.01	0.2	8.57	198
180970073	2013	1	29	12	V	0.01	0.3	8.35	195
180970073	2013	1	29	13	V	0.01	0	8.16	198
180970073	2013	1	29	14	V	0.01	0	8.74	193
180970073	2013	1	29	15	V	0.01	0	8.22	186
180970073	2013	1	29	16	V	0.04	0	7.91	179
180970073	2013	1	29	17	V	0.04	0	8.18	175
180970073	2013	1	29	18	V	0.04	0	8.96	176
180970073	2013	1	29	19	V	0.04	0	8.91	177
180970073	2013	1	29	20	V	0.04	0	7.91	172
180970073	2013	1	29	21	V	0.04	0	8.57	174
180970073	2013	1	29	22	V	0.04	0	10.73	177
180970073	2013	1	29	23	V	0.03	0	10.8	172
180970073	2013	1	29	24	V	0.03	0	11.96	174
180970073	2013	1	30	1	V	0.02	0	13.13	175
180970073	2013	1	30	2	V	0.02	0	12.59	273
180970073	2013	1	30	3	V	0.02	0	6.16	328
180970073	2013	1	30	4	V	0.03	0	2.45	351
180970073	2013	1	30	5	V	1.7	0	2.22	259
180970073	2013	1	30	6	V	0.03	0	3.18	139
180970073	2013	1	30	7	V	0.04	0	4.99	141
180970073	2013	1	30	8	V	0.02	0	6.31	142
180970073	2013	1	30	9	V	0.02	0	6.38	162
180970073	2013	1	30	10	V	0.05	0	5.04	189
180970073	2013	1	30	11	V	0.02	0	7.25	200
180970073	2013	1	30	12	V	0.02	-999	7.89	214
180970073	2013	1	30	13	V	0.01	0	8.42	210
180970073	2013	1	30	14	V	0.01	0	7.57	207
180970073	2013	1	30	15	V	0.01	0	8.62	211
180970073	2013	1	30	16	V	0.03	0	10.49	273
180970073	2013	1	30	17	V	0.9	0	10.58	262
180970073	2013	1	30	18	V	0.6	0	11.45	263
180970073	2013	1	30	19	V	0.9	0	12.42	262
180970073	2013	1	30	20	V	0.05	0	11.84	270
180970073	2013	1	30	21	V	0.3	0	11.33	265
180970073	2013	1	30	22	V	0.07	0	11.46	269
180970073	2013	1	30	23	V	0.04	-999	12.19	272
180970073	2013	1	30	24	V	0.1	-999	13.03	267
180970073	2013	1	31	1	V	0.05	0	12.52	270
180970073	2013	1	31	2	V	0.08	0	12.21	268
180970073	2013	1	31	3	V	0.04	0	11.31	270
180970073	2013	1	31	4	V	0.09	0	11.6	268
180970073	2013	1	31	5	V	0.04	0	11.29	270
180970073	2013	1	31	6	V	0.06	0	11.68	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	1	31	7	V	0.05	0	10.22	270
180970073	2013	1	31	8	V	1.1	0	8.2	262
180970073	2013	1	31	9	V	1.2	1.3	7.11	246
180970073	2013	1	31	10	V	10.0	1.4	8.18	235
180970073	2013	1	31	11	V	1.3	4.4	9.44	248
180970073	2013	1	31	12	V	1.4	0.6	10.1	254
180970073	2013	1	31	13	V	0.3	2.1	9.08	260
180970073	2013	1	31	14	V	0.2	0.5	8.62	262
180970073	2013	1	31	15	V	0.05	0	8.52	273
180970073	2013	1	31	16	V	1.6	0	7.59	260
180970073	2013	1	31	17	V	0.1	0	7.59	268
180970073	2013	1	31	18	V	0.03	0	8.2	281
180970073	2013	1	31	19	V	0.03	0	9.25	290
180970073	2013	1	31	20	V	0.03	0	9.66	299
180970073	2013	1	31	21	V	0.03	0	9.64	304
180970073	2013	1	31	22	V	0.03	0	9.95	298
180970073	2013	1	31	23	V	0.03	0	9.47	301
180970073	2013	1	31	24	V	0.03	0	10.77	300
180970073	2013	2	1	1	V	0.03	0	10	294
180970073	2013	2	1	2	V	0.03	0	9.2	286
180970073	2013	2	1	3	V	0.03	0	8.52	285
180970073	2013	2	1	4	V	0.04	0	8.15	287
180970073	2013	2	1	5	V	0.03	-999	8.44	285
180970073	2013	2	1	6	V	0.04	-999	7.25	284
180970073	2013	2	1	7	V	0.04	-999	7.3	280
180970073	2013	2	1	8	V	0.03	-999	5.84	276
180970073	2013	2	1	9	V	0.07	-999	4.75	281
180970073	2013	2	1	10	V	0.03	-999	6.58	273
180970073	2013	2	1	11	V	0.05	-999	6.75	267
180970073	2013	2	1	12	V	2.8	0	5.85	254
180970073	2013	2	1	13	V	4.0	3.2	5.87	243
180970073	2013	2	1	14	V	2.6	1.6	6.28	248
180970073	2013	2	1	15	V	21.5	0.7	6.74	237
180970073	2013	2	1	16	V	10.1	3.8	5.92	240
180970073	2013	2	1	17	V	29.2	4.8	5.97	231
180970073	2013	2	1	18	V	33.1	5.5	6.28	233
180970073	2013	2	1	19	V	0.04	2	4.53	212
180970073	2013	2	1	20	V	0.04	2.1	3.46	190
180970073	2013	2	1	21	V	0.04	0.4	4.14	204
180970073	2013	2	1	22	V	0.05	0	5.29	202
180970073	2013	2	1	23	V	0.05	0	5.26	205
180970073	2013	2	1	24	V	0.04	2.5	4.88	198
180970073	2013	2	2	1	V	0.04	3.4	4.73	197
180970073	2013	2	2	2	V	0.04	1.4	4.22	189
180970073	2013	2	2	3	V	0.04	1.2	4	191
180970073	2013	2	2	4	V	0.04	2.1	4.07	197

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	2	5	V	0.05	1.7	2.57	194
180970073	2013	2	2	6	V	0.05	1.6	3.71	158
180970073	2013	2	2	7	V	0.05	1.5	4.56	165
180970073	2013	2	2	8	V	0.07	1.5	5.53	178
180970073	2013	2	2	9	V	0.08	1.3	4.49	182
180970073	2013	2	2	10	V	0.09	1	4.63	196
180970073	2013	2	2	11	V	0.2	1.1	5.34	216
180970073	2013	2	2	12	V	11.0	5.7	6.77	229
180970073	2013	2	2	13	V	17.6	15.3	5.97	235
180970073	2013	2	2	14	V	2.1	2.5	6.57	247
180970073	2013	2	2	15	V	5.6	3.3	6.36	254
180970073	2013	2	2	16	V	7.0	2.3	5.46	252
180970073	2013	2	2	17	V	7.3	2.4	4.9	253
180970073	2013	2	2	18	V	0.04	0.6	5.94	275
180970073	2013	2	2	19	V	0.05	0.2	5.1	276
180970073	2013	2	2	20	V	0.05	0	4.1	272
180970073	2013	2	2	21	V	0.04	0	5.51	285
180970073	2013	2	2	22	V	0.04	0	7.62	302
180970073	2013	2	2	23	V	0.04	-999	6.64	295
180970073	2013	2	2	24	V	0.04	0	6.29	279
180970073	2013	2	3	1	V	0.04	0	5.05	282
180970073	2013	2	3	2	V	0.04	0	3.52	277
180970073	2013	2	3	3	V	0.04	0	3.15	274
180970073	2013	2	3	4	V	0.07	0	2.54	274
180970073	2013	2	3	5	V	0.05	0	3.3	269
180970073	2013	2	3	6	V	0.05	0	2.93	275
180970073	2013	2	3	7	V	0.05	0	3.4	270
180970073	2013	2	3	8	V	4.9	0	4.09	256
180970073	2013	2	3	9	V	2.5	0	3.95	260
180970073	2013	2	3	10	V	0.6	0	3.32	268
180970073	2013	2	3	11	V	0.7	0	3.07	269
180970073	2013	2	3	12	V	0.5	0.8	2.89	273
180970073	2013	2	3	13	V	0.5	1.3	4.63	265
180970073	2013	2	3	14	V	0.06	1.6	5.85	269
180970073	2013	2	3	15	V	0.06	0.4	6.47	277
180970073	2013	2	3	16	V	0.04	0	7.2	281
180970073	2013	2	3	17	V	0.03	0	8.47	284
180970073	2013	2	3	18	V	0.04	0	6.99	290
180970073	2013	2	3	19	V	0.07	0	4.29	267
180970073	2013	2	3	20	V	3.4	0	3.51	246
180970073	2013	2	3	21	V	0.8	0.7	3.52	223
180970073	2013	2	3	22	V	2.8	4	3.83	224
180970073	2013	2	3	23	V	17.0	9.4	3.39	228
180970073	2013	2	3	24	V	12.8	19.1	3.69	238
180970073	2013	2	4	1	V	23.6	13.7	3.23	229
180970073	2013	2	4	2	V	0.06	8.4	2.5	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	4	3	V	0.1	9.8	2.18	210
180970073	2013	2	4	4	V	0.1	4.3	1.96	196
180970073	2013	2	4	5	V	0.05	1.2	2.89	135
180970073	2013	2	4	6	V	0.05	0.4	3.66	146
180970073	2013	2	4	7	V	0.05	0	4.19	149
180970073	2013	2	4	8	V	0.05	0.3	4.44	149
180970073	2013	2	4	9	V	0.2	0.2	3.35	149
180970073	2013	2	4	10	V	0.1	4.9	4.26	160
180970073	2013	2	4	11	V	0.3	7.9	3.3	155
180970073	2013	2	4	12	V	0.5	6.9	2.54	174
180970073	2013	2	4	13	V	44.5	3.4	2.84	234
180970073	2013	2	4	14	V	0.06	7.2	5.41	211
180970073	2013	2	4	15	V	0.02	7.1	6.48	208
180970073	2013	2	4	16	V	0.1	8.7	5.05	218
180970073	2013	2	4	17	V	2.5	29.1	4.63	242
180970073	2013	2	4	18	V	4.2	10.1	2.21	242
180970073	2013	2	4	19	V	0.3	1.3	1.42	201
180970073	2013	2	4	20	V	0.1	1.6	1.93	297
180970073	2013	2	4	21	V	0.05	2.2	4.32	334
180970073	2013	2	4	22	V	0.04	2.4	5.21	350
180970073	2013	2	4	23	V	0.05	2	3.13	4
180970073	2013	2	4	24	V	0.05	2.1	4	356
180970073	2013	2	5	1	V	0.04	1.7	3.34	359
180970073	2013	2	5	2	V	0.04	1.5	3.37	360
180970073	2013	2	5	3	V	0.04	1.2	4.58	344
180970073	2013	2	5	4	V	0.03	0.6	3.17	339
180970073	2013	2	5	5	V	0.05	0.6	2.18	346
180970073	2013	2	5	6	V	0.1	0.6	1.74	360
180970073	2013	2	5	7	V	0.3	0.3	1.38	315
180970073	2013	2	5	8	V	0.8	0	1.59	284
180970073	2013	2	5	9	V	5.5	0.3	0.53	234
180970073	2013	2	5	10	V	2.6	0.8	1.01	286
180970073	2013	2	5	11	V	0.5	1.8	2.49	198
180970073	2013	2	5	12	V	0.2	0.7	3.64	169
180970073	2013	2	5	13	V	0.06	1.3	4.39	172
180970073	2013	2	5	14	V	0.04	2.9	4.63	192
180970073	2013	2	5	15	V	0.02	1.3	5.53	196
180970073	2013	2	5	16	V	0.04	1.1	5.79	212
180970073	2013	2	5	17	V	22.1	9.7	6.48	235
180970073	2013	2	5	18	V	0.7	9.5	5.53	263
180970073	2013	2	5	19	V	2.5	3	4.12	259
180970073	2013	2	5	20	V	6.1	4.8	2.84	247
180970073	2013	2	5	21	V	4.7	4	3.34	246
180970073	2013	2	5	22	V	0.04	2.1	4.44	283
180970073	2013	2	5	23	V	0.03	0.4	6.16	306
180970073	2013	2	5	24	V	0.03	0	6.43	308

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	6	1	V	0.03	0	5.72	315
180970073	2013	2	6	2	V	0.03	0	5.89	312
180970073	2013	2	6	3	V	0.03	0	5.16	308
180970073	2013	2	6	4	V	0.04	0	4.13	339
180970073	2013	2	6	5	V	0.03	0	3.66	332
180970073	2013	2	6	6	V	0.05	0	2.57	299
180970073	2013	2	6	7	V	0.05	0	2.76	328
180970073	2013	2	6	8	V	0.2	0	2.04	336
180970073	2013	2	6	9	V	0.6	0	1.72	26
180970073	2013	2	6	10	V	0.3	0	2.54	58
180970073	2013	2	6	11	V	0.4	0.1	2.3	95
180970073	2013	2	6	12	V	0.5	0	2.49	116
180970073	2013	2	6	13	V	0.3	0	2.67	139
180970073	2013	2	6	14	V	0.08	0	3.81	167
180970073	2013	2	6	15	V	0.05	0	3.85	173
180970073	2013	2	6	16	V	0.05	0	3.39	159
180970073	2013	2	6	17	V	0.03	0	3.39	129
180970073	2013	2	6	18	V	0.03	0	3.47	139
180970073	2013	2	6	19	V	0.03	0	4.03	107
180970073	2013	2	6	20	V	0.03	0	3.63	113
180970073	2013	2	6	21	V	0.04	0	3.05	127
180970073	2013	2	6	22	V	0.1	0	1.98	120
180970073	2013	2	6	23	V	0.05	0	2.73	110
180970073	2013	2	6	24	V	0.05	2.3	3.15	111
180970073	2013	2	7	1	V	0.05	6.4	3.2	119
180970073	2013	2	7	2	V	0.05	9	2.81	128
180970073	2013	2	7	3	V	0.04	10.7	3.36	114
180970073	2013	2	7	4	V	0.06	11.3	2.49	118
180970073	2013	2	7	5	V	0.04	12.4	3.18	114
180970073	2013	2	7	6	V	0.04	10.5	3.51	119
180970073	2013	2	7	7	V	0.05	8	3.3	131
180970073	2013	2	7	8	V	0.1	7.1	3.17	105
180970073	2013	2	7	9	V	0.3	7.7	3.37	116
180970073	2013	2	7	10	V	0.2	10.2	4.2	136
180970073	2013	2	7	11	V	0.2	9.7	4.2	128
180970073	2013	2	7	12	V	0.3	8.2	3.57	127
180970073	2013	2	7	13	V	0.3	8.9	3.37	130
180970073	2013	2	7	14	V	0.4	7.3	2.55	119
180970073	2013	2	7	15	V	0.2	4.6	2.81	133
180970073	2013	2	7	16	V	0.04	3	3.44	126
180970073	2013	2	7	17	V	0.03	2.1	4.87	125
180970073	2013	2	7	18	V	0.03	2.1	4.46	118
180970073	2013	2	7	19	V	0.04	2	4.43	134
180970073	2013	2	7	20	V	0.05	1.4	4.09	157
180970073	2013	2	7	21	V	0.04	1.5	3.71	163
180970073	2013	2	7	22	V	0.04	1.7	4.15	282

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	7	23	V	0.04	1.1	3.23	294
180970073	2013	2	7	24	V	0.03	0.3	4.46	292
180970073	2013	2	8	1	V	0.03	0	6.57	296
180970073	2013	2	8	2	V	0.03	0	7.54	297
180970073	2013	2	8	3	V	0.02	0.1	6.96	302
180970073	2013	2	8	4	V	0.03	1.1	6.75	303
180970073	2013	2	8	5	V	0.02	1.1	8.06	306
180970073	2013	2	8	6	V	0.02	0.7	8.83	315
180970073	2013	2	8	7	V	0.03	0.6	8.35	315
180970073	2013	2	8	8	V	0.01	0.8	9.12	313
180970073	2013	2	8	9	V	0.01	0.5	7.54	317
180970073	2013	2	8	10	V	0.01	0.5	8.37	317
180970073	2013	2	8	11	V	0.01	-999	7.62	315
180970073	2013	2	8	12	V	0.01	0.6	7.96	314
180970073	2013	2	8	13	V	0.01	0.5	7.94	314
180970073	2013	2	8	14	V	0.01	0.1	6.94	319
180970073	2013	2	8	15	V	0.01	0	6.8	314
180970073	2013	2	8	16	V	0.03	0	6.23	314
180970073	2013	2	8	17	V	0.02	0	5.58	314
180970073	2013	2	8	18	V	0.03	0	5.02	313
180970073	2013	2	8	19	V	0.02	0	5.41	319
180970073	2013	2	8	20	V	0.02	0	5.41	331
180970073	2013	2	8	21	V	0.03	0	4.48	331
180970073	2013	2	8	22	V	0.02	0	3.54	353
180970073	2013	2	8	23	V	0.03	0	4.15	5
180970073	2013	2	8	24	V	0.03	0	2.66	8
180970073	2013	2	9	1	V	0.03	0	2.25	31
180970073	2013	2	9	2	V	0.03	0	3.08	25
180970073	2013	2	9	3	V	0.04	0	2.35	20
180970073	2013	2	9	4	V	0.1	0	1.59	42
180970073	2013	2	9	5	V	0.4	0	1.06	53
180970073	2013	2	9	6	V	1.1	0	0.63	58
180970073	2013	2	9	7	V	0.1	0	1.52	98
180970073	2013	2	9	8	V	0.5	0	1.25	124
180970073	2013	2	9	9	V	1.4	0	0.94	131
180970073	2013	2	9	10	V	0.08	0	3.36	131
180970073	2013	2	9	11	V	0.09	0	3.36	141
180970073	2013	2	9	12	V	0.05	0	4.36	144
180970073	2013	2	9	13	V	0.03	0	4.86	139
180970073	2013	2	9	14	V	0.03	0	4.86	146
180970073	2013	2	9	15	V	0.01	0	6.46	137
180970073	2013	2	9	16	V	0.03	0.2	4.36	118
180970073	2013	2	9	17	V	0.03	0.1	3.86	132
180970073	2013	2	9	18	V	0.03	2.2	4.86	127
180970073	2013	2	9	19	V	0.03	8.8	4.36	107
180970073	2013	2	9	20	V	0.02	10.7	3.36	109

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	9	21	V	0.03	17.1	2.86	116
180970073	2013	2	9	22	V	0.03	20	2.86	135
180970073	2013	2	9	23	V	0.02	-999	4.36	125
180970073	2013	2	9	24	V	0.03	17	4.36	121
180970073	2013	2	10	1	V	0.03	19.8	3.86	135
180970073	2013	2	10	2	V	0.03	17.6	3.86	129
180970073	2013	2	10	3	V	0.03	15.7	2.86	150
180970073	2013	2	10	4	M	-999	4.6	3.36	999
180970073	2013	2	10	5	V	0.04	0.9	2.36	96
180970073	2013	2	10	6	V	0.03	0.7	3.36	125
180970073	2013	2	10	7	V	0.03	0.9	4.86	121
180970073	2013	2	10	8	V	0.02	1.3	5.96	129
180970073	2013	2	10	9	V	0.06	1.4	4.36	137
180970073	2013	2	10	10	V	0.02	1.1	5.96	130
180970073	2013	2	10	11	V	0.03	0.5	5.36	131
180970073	2013	2	10	12	V	0.03	0.8	5.36	152
180970073	2013	2	10	13	V	0.03	0.3	5.87	144
180970073	2013	2	10	14	V	0.02	0	5.75	162
180970073	2013	2	10	15	V	0.04	0	4.7	147
180970073	2013	2	10	16	V	0.03	0	5.75	150
180970073	2013	2	10	17	V	0.03	0	6.87	157
180970073	2013	2	10	18	V	0.02	0	8.18	155
180970073	2013	2	10	19	V	0.02	0	9.2	166
180970073	2013	2	10	20	V	0.02	0	9.39	178
180970073	2013	2	10	21	V	0.02	0	9.02	185
180970073	2013	2	10	22	V	0.02	0	8.35	183
180970073	2013	2	10	23	V	0.02	0	8.32	181
180970073	2013	2	10	24	V	0.02	0	7.84	186
180970073	2013	2	11	1	V	0.02	0	7.33	193
180970073	2013	2	11	2	V	0.02	0	8.35	212
180970073	2013	2	11	3	V	0.2	0	9.03	220
180970073	2013	2	11	4	V	1.3	0.4	9.88	224
180970073	2013	2	11	5	V	6.0	3.5	11.77	236
180970073	2013	2	11	6	V	5.4	0	9	253
180970073	2013	2	11	7	V	5.6	3.6	10.78	251
180970073	2013	2	11	8	V	1.6	3.6	11.67	250
180970073	2013	2	11	9	V	1.2	5.7	9.22	247
180970073	2013	2	11	10	V	0.6	1.6	9.97	243
180970073	2013	2	11	11	V	1.5	1.4	11.72	253
180970073	2013	2	11	12	V	1.2	9.3	10.1	247
180970073	2013	2	11	13	V	1.3	3.7	10.05	254
180970073	2013	2	11	14	V	0.2	1	10.66	261
180970073	2013	2	11	15	V	0.2	0.1	11.68	261
180970073	2013	2	11	16	V	4.0	0	11.55	256
180970073	2013	2	11	17	V	2.7	0.5	9.25	258
180970073	2013	2	11	18	V	5.1	5.5	8.93	254

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	11	19	V	1.6	0	8.2	260
180970073	2013	2	11	20	V	0.3	0	7.15	264
180970073	2013	2	11	21	V	0.8	0	4.53	261
180970073	2013	2	11	22	V	1.5	0	4.12	259
180970073	2013	2	11	23	V	0.2	0	4.76	264
180970073	2013	2	11	24	V	0.02	0	4.2	272
180970073	2013	2	12	1	V	0.02	0	3.52	268
180970073	2013	2	12	2	V	0.7	0	3.35	260
180970073	2013	2	12	3	V	0.03	0	4.05	268
180970073	2013	2	12	4	V	0.02	0	3.59	283
180970073	2013	2	12	5	V	0.02	0	4.22	278
180970073	2013	2	12	6	V	0.02	0	3.08	281
180970073	2013	2	12	7	V	0.04	0	2.32	275
180970073	2013	2	12	8	V	9.0	0	2.25	252
180970073	2013	2	12	9	V	19.9	0	2.37	228
180970073	2013	2	12	10	V	8.6	0	2.81	245
180970073	2013	2	12	11	V	2.1	0	1.57	271
180970073	2013	2	12	12	V	13.2	4.4	2.5	237
180970073	2013	2	12	13	V	5.0	6.6	2.55	255
180970073	2013	2	12	14	V	5.0	4.4	3.73	245
180970073	2013	2	12	15	V	9.3	10.1	4.75	235
180970073	2013	2	12	16	V	4.2	9.6	4.92	242
180970073	2013	2	12	17	V	8.1	4.3	4.48	250
180970073	2013	2	12	18	V	0.05	0.7	4.44	269
180970073	2013	2	12	19	V	0.02	0	3.35	293
180970073	2013	2	12	20	V	0.02	0	3.66	313
180970073	2013	2	12	21	V	0.03	0	3.15	310
180970073	2013	2	12	22	V	0.03	0	3.08	339
180970073	2013	2	12	23	V	0.03	0	2.81	350
180970073	2013	2	12	24	V	0.04	0	2.23	10
180970073	2013	2	13	1	V	0.03	0	2.64	14
180970073	2013	2	13	2	V	0.04	0	2.3	34
180970073	2013	2	13	3	V	0.03	0	2.62	13
180970073	2013	2	13	4	V	0.03	0	2.66	22
180970073	2013	2	13	5	V	0.03	0	2.47	31
180970073	2013	2	13	6	V	0.03	0	3.49	20
180970073	2013	2	13	7	V	0.03	0.4	4.29	11
180970073	2013	2	13	8	V	0.1	0.1	2.5	27
180970073	2013	2	13	9	V	1.7	0.2	0.94	353
180970073	2013	2	13	10	V	0.6	0	1.81	350
180970073	2013	2	13	11	V	6.3	0.1	0.82	246
180970073	2013	2	13	12	V	11.4	0.1	1.03	234
180970073	2013	2	13	13	V	0.3	0.1	2.38	285
180970073	2013	2	13	14	V	0.2	0.1	2.54	278
180970073	2013	2	13	15	V	4.3	0	2.79	255
180970073	2013	2	13	16	V	7.2	0	4.22	254

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	13	17	V	3.1	3.7	4.83	245
180970073	2013	2	13	18	V	5.6	5.3	5.05	240
180970073	2013	2	13	19	V	14.1	1.6	4.6	228
180970073	2013	2	13	20	V	0.03	39.3	4.27	218
180970073	2013	2	13	21	V	0.03	9.3	3.8	200
180970073	2013	2	13	22	V	0.04	1.8	4.41	199
180970073	2013	2	13	23	V	0.03	2.3	5	200
180970073	2013	2	13	24	V	0.03	1.3	4.61	206
180970073	2013	2	14	1	V	0.03	0.9	4.78	210
180970073	2013	2	14	2	V	0.03	1.1	4.46	208
180970073	2013	2	14	3	V	0.03	1.3	4.19	202
180970073	2013	2	14	4	V	0.03	1.7	3.98	208
180970073	2013	2	14	5	V	0.03	2	4.19	211
180970073	2013	2	14	6	V	0.04	1.6	3.51	194
180970073	2013	2	14	7	V	0.05	1.3	3.56	193
180970073	2013	2	14	8	V	0.08	1.2	4.19	191
180970073	2013	2	14	9	V	0.06	1.1	5.12	187
180970073	2013	2	14	10	V	0.03	1	6.45	192
180970073	2013	2	14	11	V	0.01	0.8	7.2	205
180970073	2013	2	14	12	V	1.3	1.2	7.84	225
180970073	2013	2	14	13	V	3.2	5.9	9.01	237
180970073	2013	2	14	14	V	5.5	6.1	8.11	232
180970073	2013	2	14	15	V	3.6	2.1	8.83	236
180970073	2013	2	14	16	V	4.6	0.8	9.07	247
180970073	2013	2	14	17	V	0.02	0.2	9.22	278
180970073	2013	2	14	18	V	0.02	0	8.95	285
180970073	2013	2	14	19	V	0.02	0	7.45	287
180970073	2013	2	14	20	V	0.02	0	6.26	293
180970073	2013	2	14	21	V	0.02	0	5.58	294
180970073	2013	2	14	22	V	0.02	0	6.43	295
180970073	2013	2	14	23	V	0.02	0	4.49	285
180970073	2013	2	14	24	V	13.0	0	2.93	251
180970073	2013	2	15	1	V	1.7	0	2.55	225
180970073	2013	2	15	2	V	1.1	1.3	2.67	243
180970073	2013	2	15	3	V	1.7	0.4	2.4	244
180970073	2013	2	15	4	V	18.5	0	2.59	234
180970073	2013	2	15	5	V	7.7	0.5	2.78	228
180970073	2013	2	15	6	V	5.1	0.8	3.49	239
180970073	2013	2	15	7	V	3.4	2.1	3.59	244
180970073	2013	2	15	8	V	6.4	0.7	3.57	254
180970073	2013	2	15	9	V	6.7	0.3	2.78	254
180970073	2013	2	15	10	V	0.05	0	4.02	278
180970073	2013	2	15	11	V	0.03	0	4.63	290
180970073	2013	2	15	12	V	0.02	0	5.16	291
180970073	2013	2	15	13	V	0.01	0	6.82	304
180970073	2013	2	15	14	V	0.01	0	8.28	317

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	15	15	V	0.01	0	7.6	337
180970073	2013	2	15	16	V	0.02	0	7.72	324
180970073	2013	2	15	17	V	0.02	0	7.33	314
180970073	2013	2	15	18	V	0.02	0	5.97	314
180970073	2013	2	15	19	V	0.02	0	4.65	312
180970073	2013	2	15	20	V	0.02	0	3.61	302
180970073	2013	2	15	21	V	0.02	0	3.63	304
180970073	2013	2	15	22	V	0.05	0	2.47	293
180970073	2013	2	15	23	V	0.05	0	2.33	279
180970073	2013	2	15	24	V	10.0	0	2.01	250
180970073	2013	2	16	1	V	6.1	0	2.55	247
180970073	2013	2	16	2	V	21.8	0	2.69	233
180970073	2013	2	16	3	V	4.4	1.3	3.13	246
180970073	2013	2	16	4	V	0.02	0	3.93	291
180970073	2013	2	16	5	V	0.02	0	4.42	301
180970073	2013	2	16	6	V	0.02	0	4.24	295
180970073	2013	2	16	7	V	0.03	0	4.34	301
180970073	2013	2	16	8	V	0.04	0	4.95	300
180970073	2013	2	16	9	V	0.03	0	5.73	322
180970073	2013	2	16	10	V	0.02	0	6.45	309
180970073	2013	2	16	11	V	0.02	0	6.45	298
180970073	2013	2	16	12	V	0.01	0	7.23	294
180970073	2013	2	16	13	V	0.01	0	7.35	297
180970073	2013	2	16	14	V	0.01	0	7.59	291
180970073	2013	2	16	15	V	0.01	0	7.94	300
180970073	2013	2	16	16	V	0.02	0	8.22	293
180970073	2013	2	16	17	V	0.02	0	8.39	292
180970073	2013	2	16	18	V	0.02	0	6.65	297
180970073	2013	2	16	19	V	0.02	0	6.48	302
180970073	2013	2	16	20	V	0.03	0	4.46	299
180970073	2013	2	16	21	V	0.03	0	3.32	304
180970073	2013	2	16	22	V	0.02	0	3.25	293
180970073	2013	2	16	23	V	0.02	0	3.49	307
180970073	2013	2	16	24	V	0.03	0	4.15	308
180970073	2013	2	17	1	V	0.03	0	4.19	334
180970073	2013	2	17	2	V	0.02	0	5.19	327
180970073	2013	2	17	3	V	0.02	0	4.24	321
180970073	2013	2	17	4	V	0.02	0	3.51	323
180970073	2013	2	17	5	V	0.03	0	2.89	335
180970073	2013	2	17	6	V	0.06	0	2.23	324
180970073	2013	2	17	7	V	0.04	0	2.22	340
180970073	2013	2	17	8	V	0.6	0	1.81	321
180970073	2013	2	17	9	V	1.1	0	1.52	297
180970073	2013	2	17	10	V	2.1	0.8	0.94	333
180970073	2013	2	17	11	V	1.2	0.5	1.28	144
180970073	2013	2	17	12	V	0.3	0.2	2.33	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	17	13	V	0.1	0.1	3.61	167
180970073	2013	2	17	14	V	0.2	0.2	2.76	183
180970073	2013	2	17	15	V	0.2	2.1	2.72	210
180970073	2013	2	17	16	V	3.1	5.6	2.4	225
180970073	2013	2	17	17	V	21.8	8.6	2.45	234
180970073	2013	2	17	18	V	0.08	10.2	1.82	203
180970073	2013	2	17	19	V	0.05	1.9	2.33	135
180970073	2013	2	17	20	V	0.03	0.7	2.66	124
180970073	2013	2	17	21	V	0.02	0.3	3.64	131
180970073	2013	2	17	22	V	0.03	0.1	3.47	120
180970073	2013	2	17	23	V	0.02	0	4.22	126
180970073	2013	2	17	24	V	0.03	0	4.78	141
180970073	2013	2	18	1	V	0.02	0.6	5.31	137
180970073	2013	2	18	2	V	0.02	0.7	5.87	138
180970073	2013	2	18	3	V	0.02	0.5	6.52	139
180970073	2013	2	18	4	V	0.02	0.3	6.92	139
180970073	2013	2	18	5	V	0.02	0.1	5.94	141
180970073	2013	2	18	6	V	0.03	0.1	5.99	142
180970073	2013	2	18	7	V	0.04	0.4	5.8	144
180970073	2013	2	18	8	V	0.05	0.6	4.7	143
180970073	2013	2	18	9	V	0.07	0.7	4.43	143
180970073	2013	2	18	10	V	0.03	0.7	5.99	168
180970073	2013	2	18	11	V	0.02	0.8	7.38	188
180970073	2013	2	18	12	V	0.01	1.1	8.88	188
180970073	2013	2	18	13	V	0.01	1.1	8.64	191
180970073	2013	2	18	14	V	0.01	0.8	10.19	197
180970073	2013	2	18	15	V	0.01	0.3	11.5	193
180970073	2013	2	18	16	V	0.04	0.3	10.88	194
180970073	2013	2	18	17	V	0.03	0.3	10.41	189
180970073	2013	2	18	18	V	0.03	0.4	12.24	199
180970073	2013	2	18	19	V	0.04	0.1	11.41	203
180970073	2013	2	18	20	V	0.04	0	7.31	171
180970073	2013	2	18	21	V	0.03	0	10.02	180
180970073	2013	2	18	22	V	0.03	0	11.57	172
180970073	2013	2	18	23	V	0.03	0	12.11	173
180970073	2013	2	18	24	V	0.03	0	12.45	180
180970073	2013	2	19	1	V	0.03	0	11.46	192
180970073	2013	2	19	2	V	0.06	0	12.19	269
180970073	2013	2	19	3	V	0.1	0	11.34	267
180970073	2013	2	19	4	V	0.2	0	11.43	266
180970073	2013	2	19	5	V	0.06	0	12.55	269
180970073	2013	2	19	6	V	0.1	0	11.48	268
180970073	2013	2	19	7	V	0.2	0	10.24	266
180970073	2013	2	19	8	V	0.01	0	11.14	275
180970073	2013	2	19	9	V	0.09	0	8.98	263
180970073	2013	2	19	10	V	0.1	0	12.11	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	19	11	V	0.2	0	10.17	261
180970073	2013	2	19	12	V	0.03	0	10.02	265
180970073	2013	2	19	13	V	0.03	0	11.41	265
180970073	2013	2	19	14	V	0.2	0	11.34	261
180970073	2013	2	19	15	V	0.01	0	11.31	267
180970073	2013	2	19	16	V	0.7	0	11.28	263
180970073	2013	2	19	17	V	0.07	0	11.67	269
180970073	2013	2	19	18	V	0.06	0	11.72	270
180970073	2013	2	19	19	V	0.06	0	10.46	270
180970073	2013	2	19	20	V	0.03	0	10.41	276
180970073	2013	2	19	21	V	0.07	0	9.81	269
180970073	2013	2	19	22	V	0.03	0	9.8	274
180970073	2013	2	19	23	V	0.03	0	9.92	276
180970073	2013	2	19	24	V	0.03	0	10	276
180970073	2013	2	20	1	V	0.03	0	9.34	288
180970073	2013	2	20	2	V	0.03	0	8.37	288
180970073	2013	2	20	3	V	0.03	0	7.84	290
180970073	2013	2	20	4	V	0.03	0	7.65	295
180970073	2013	2	20	5	V	0.04	0	6.24	306
180970073	2013	2	20	6	V	0.04	0	6.65	303
180970073	2013	2	20	7	V	0.06	0	5.6	305
180970073	2013	2	20	8	V	0.05	0	5.21	311
180970073	2013	2	20	9	V	0.06	0	5.46	309
180970073	2013	2	20	10	V	0.07	0	5.33	315
180970073	2013	2	20	11	V	0.1	0.3	4.2	300
180970073	2013	2	20	12	V	0.1	0	4.14	281
180970073	2013	2	20	13	V	0.1	0	4.32	280
180970073	2013	2	20	14	V	0.07	0	4.76	287
180970073	2013	2	20	15	V	0.03	0	5.65	280
180970073	2013	2	20	16	V	0.06	0	5.19	297
180970073	2013	2	20	17	V	0.04	0	5.43	308
180970073	2013	2	20	18	V	0.04	0	4.65	313
180970073	2013	2	20	19	V	0.04	0	4.56	325
180970073	2013	2	20	20	V	0.05	0	4.37	336
180970073	2013	2	20	21	V	0.05	0	3.98	352
180970073	2013	2	20	22	V	0.05	0	4.02	11
180970073	2013	2	20	23	V	0.04	0	3.61	30
180970073	2013	2	20	24	V	0.06	0	2.44	25
180970073	2013	2	21	1	V	0.04	0	3.05	26
180970073	2013	2	21	2	V	0.09	0	2.04	19
180970073	2013	2	21	3	V	0.04	0	2.67	17
180970073	2013	2	21	4	V	0.07	0	2.05	356
180970073	2013	2	21	5	V	0.04	0	2.91	29
180970073	2013	2	21	6	V	0.04	0	3.91	19
180970073	2013	2	21	7	V	0.06	0	3.13	8
180970073	2013	2	21	8	V	0.08	0	4.27	46

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	21	9	V	0.07	0	4.87	52
180970073	2013	2	21	10	V	0.1	0	4.39	72
180970073	2013	2	21	11	V	0.08	0	5.04	72
180970073	2013	2	21	12	V	0.08	0	4.8	84
180970073	2013	2	21	13	V	0.05	0	4.82	101
180970073	2013	2	21	14	V	0.02	0	6.24	90
180970073	2013	2	21	15	V	0.01	0	7.5	85
180970073	2013	2	21	16	V	0.05	0	6.12	97
180970073	2013	2	21	17	V	0.04	0	6.57	74
180970073	2013	2	21	18	V	0.04	0	6.81	88
180970073	2013	2	21	19	V	0.04	0	5.65	101
180970073	2013	2	21	20	V	0.04	0	6.67	93
180970073	2013	2	21	21	V	0.04	0	8.16	98
180970073	2013	2	21	22	V	0.04	0	9.17	89
180970073	2013	2	21	23	V	0.03	0	8.28	95
180970073	2013	2	21	24	V	0.03	0	8.39	104
180970073	2013	2	22	1	V	0.03	0	9.07	106
180970073	2013	2	22	2	V	0.03	0	8.44	103
180970073	2013	2	22	3	V	0.03	0	7.47	112
180970073	2013	2	22	4	V	0.03	0	6.43	119
180970073	2013	2	22	5	V	0.04	1.6	5.17	123
180970073	2013	2	22	6	V	0.04	3.1	4.36	119
180970073	2013	2	22	7	V	0.05	2.4	3.47	121
180970073	2013	2	22	8	V	0.1	0.5	3.73	141
180970073	2013	2	22	9	V	0.2	0	3.88	149
180970073	2013	2	22	10	V	0.2	0	3.9	171
180970073	2013	2	22	11	V	0.1	0	4.58	200
180970073	2013	2	22	12	V	1.4	0	6.01	223
180970073	2013	2	22	13	V	1.8	0	6.5	224
180970073	2013	2	22	14	V	3.2	1.1	6.04	225
180970073	2013	2	22	15	V	0.9	9.6	5.48	223
180970073	2013	2	22	16	V	7.9	2.9	5.82	225
180970073	2013	2	22	17	V	0.9	4	5.44	221
180970073	2013	2	22	18	V	0.05	2.9	4.83	216
180970073	2013	2	22	19	V	0.8	9	4.99	221
180970073	2013	2	22	20	V	0.7	9.7	4.75	221
180970073	2013	2	22	21	V	15.6	11.6	7.04	238
180970073	2013	2	22	22	V	0.2	1.7	5.97	266
180970073	2013	2	22	23	V	0.04	0.2	5.26	280
180970073	2013	2	22	24	V	0.04	0	5.36	278
180970073	2013	2	23	1	V	0.04	0.5	5.53	281
180970073	2013	2	23	2	V	0.04	0.3	5.33	274
180970073	2013	2	23	3	V	0.06	0	5.48	270
180970073	2013	2	23	4	V	2.4	0.1	3.93	258
180970073	2013	2	23	5	V	1.2	2.1	4.03	243
180970073	2013	2	23	6	V	0.8	0.7	3.54	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	23	7	V	6.7	2.3	3.63	244
180970073	2013	2	23	8	V	21.1	6.8	3.8	238
180970073	2013	2	23	9	V	4.6	7.9	3.71	249
180970073	2013	2	23	10	V	1.3	2.2	3.4	263
180970073	2013	2	23	11	V	0.09	0.4	4.25	280
180970073	2013	2	23	12	V	0.2	0.2	3.92	269
180970073	2013	2	23	13	V	3.0	3	4.03	251
180970073	2013	2	23	14	V	6.6	3.7	3.78	243
180970073	2013	2	23	15	V	6.7	1.8	4.46	240
180970073	2013	2	23	16	V	0.9	3.9	4.94	244
180970073	2013	2	23	17	V	5.8	3.9	4.6	240
180970073	2013	2	23	18	V	4.2	5.2	4.32	257
180970073	2013	2	23	19	V	0.04	5.4	3.66	284
180970073	2013	2	23	20	V	0.04	0.3	4.42	305
180970073	2013	2	23	21	V	0.04	0	3.78	302
180970073	2013	2	23	22	V	0.04	0	4.29	299
180970073	2013	2	23	23	V	0.05	-999	2.98	294
180970073	2013	2	23	24	V	0.07	0	2.42	292
180970073	2013	2	24	1	V	0.04	0.1	3.93	299
180970073	2013	2	24	2	V	0.04	0	4.15	301
180970073	2013	2	24	3	V	0.04	0	3.15	312
180970073	2013	2	24	4	V	0.1	0	2.06	287
180970073	2013	2	24	5	V	0.1	0	2.11	270
180970073	2013	2	24	6	V	0.1	0	2.08	270
180970073	2013	2	24	7	V	6.4	0	2.55	247
180970073	2013	2	24	8	V	12.0	0	2.04	251
180970073	2013	2	24	9	V	11.4	0	1.86	254
180970073	2013	2	24	10	V	0.5	0	2.57	320
180970073	2013	2	24	11	V	0.6	0	2.2	304
180970073	2013	2	24	12	V	0.4	0.1	2.55	283
180970073	2013	2	24	13	V	0.2	0.4	3.63	284
180970073	2013	2	24	14	V	0.09	0.4	4.32	293
180970073	2013	2	24	15	V	0.2	0.1	2.91	295
180970073	2013	2	24	16	V	0.02	0	3.25	299
180970073	2013	2	24	17	V	0.04	0	3.15	317
180970073	2013	2	24	18	V	0.05	0	2.98	328
180970073	2013	2	24	19	V	0.07	0	2.3	339
180970073	2013	2	24	20	V	0.09	0	2.23	7
180970073	2013	2	24	21	V	0.1	0	2.05	24
180970073	2013	2	24	22	V	0.06	0	2.78	55
180970073	2013	2	24	23	V	0.07	0	2.44	80
180970073	2013	2	24	24	V	0.06	0	2.56	66
180970073	2013	2	25	1	V	0.05	0	2.71	78
180970073	2013	2	25	2	V	0.04	0	3.03	68
180970073	2013	2	25	3	V	0.06	0	2.61	77
180970073	2013	2	25	4	V	0.05	0	2.93	75

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	25	5	V	0.06	0	2.62	89
180970073	2013	2	25	6	V	0.07	0	2.54	94
180970073	2013	2	25	7	V	0.08	0	2.74	95
180970073	2013	2	25	8	V	0.4	0	2.79	78
180970073	2013	2	25	9	V	0.2	8.2	4.02	90
180970073	2013	2	25	10	V	0.09	21.4	4.99	113
180970073	2013	2	25	11	V	0.03	3.8	6.96	109
180970073	2013	2	25	12	V	0.03	1	6.75	113
180970073	2013	2	25	13	V	0.03	0.4	6.4	106
180970073	2013	2	25	14	V	0.04	0.6	6.02	101
180970073	2013	2	25	15	V	0.03	0.2	5.99	88
180970073	2013	2	25	16	V	0.02	0	6.06	82
180970073	2013	2	25	17	V	0.04	0	6.41	72
180970073	2013	2	25	18	V	0.04	0	6.5	70
180970073	2013	2	25	19	V	0.04	0	6.21	78
180970073	2013	2	25	20	V	0.04	0	7.43	70
180970073	2013	2	25	21	V	0.04	0	7.33	70
180970073	2013	2	25	22	V	0.04	0	5.99	78
180970073	2013	2	25	23	V	0.04	0	7.06	77
180970073	2013	2	25	24	V	0.04	0	7.01	77
180970073	2013	2	26	1	V	0.04	0.3	6.43	80
180970073	2013	2	26	2	V	0.04	0.4	7.77	73
180970073	2013	2	26	3	V	0.03	0.4	8.2	66
180970073	2013	2	26	4	V	0.04	0.7	8.81	66
180970073	2013	2	26	5	V	0.03	0.8	8.79	65
180970073	2013	2	26	6	V	0.03	1.3	7.69	70
180970073	2013	2	26	7	V	0.05	0.7	6.28	52
180970073	2013	2	26	8	V	0.01	0.2	9.7	54
180970073	2013	2	26	9	V	0.01	0	10.32	61
180970073	2013	2	26	10	V	0.02	0	6.28	73
180970073	2013	2	26	11	V	0.04	0	5.5	65
180970073	2013	2	26	12	V	0.03	0	6.07	66
180970073	2013	2	26	13	V	0.03	0	6.36	72
180970073	2013	2	26	14	V	0.03	0	5.96	80
180970073	2013	2	26	15	V	0.2	0	3.42	83
180970073	2013	2	26	16	V	0.08	0	1.72	76
180970073	2013	2	26	17	V	0.09	0	1.98	50
180970073	2013	2	26	18	V	0.3	0	1.33	189
180970073	2013	2	26	19	V	0.08	0	2.1	195
180970073	2013	2	26	20	V	0.2	2.4	2.89	221
180970073	2013	2	26	21	V	0.5	5.6	4.03	221
180970073	2013	2	26	22	V	6.0	5.7	5.16	225
180970073	2013	2	26	23	V	4.4	2.5	6.97	224
180970073	2013	2	26	24	V	1.0	0.4	6.77	221
180970073	2013	2	27	1	V	2.8	1.4	7.2	223
180970073	2013	2	27	2	V	0.04	1	7.03	213

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	2	27	3	V	0.2	1	6.72	218
180970073	2013	2	27	4	V	1.0	0.8	6.33	221
180970073	2013	2	27	5	V	15.0	3	9.67	229
180970073	2013	2	27	6	V	19.6	1	8.91	235
180970073	2013	2	27	7	V	16.8	0.1	7.21	237
180970073	2013	2	27	8	V	8.2	0.4	7.45	236
180970073	2013	2	27	9	V	10.9	0.9	7.25	234
180970073	2013	2	27	10	V	7.8	2.5	7.88	236
180970073	2013	2	27	11	V	11.4	0.4	7.28	231
180970073	2013	2	27	12	V	1.5	12.9	8.49	225
180970073	2013	2	27	13	V	5.5	13.9	9.61	229
180970073	2013	2	27	14	V	4.4	17	9.32	228
180970073	2013	2	27	15	V	11.1	12.9	8.1	233
180970073	2013	2	27	16	V	15.6	4.7	7.55	238
180970073	2013	2	27	17	V	9.8	0.5	6.24	240
180970073	2013	2	27	18	V	7.4	0.5	6.46	241
180970073	2013	2	27	19	V	5.4	3.6	6.96	254
180970073	2013	2	27	20	V	6.1	2.6	6.79	250
180970073	2013	2	27	21	V	6.0	3.7	6.87	250
180970073	2013	2	27	22	V	4.2	2.5	7.25	256
180970073	2013	2	27	23	V	5.8	1.6	7.94	251
180970073	2013	2	27	24	V	5.8	0.8	7.65	252
180970073	2013	2	28	1	V	4.8	0.3	7.5	255
180970073	2013	2	28	2	V	3.6	0.1	6.87	257
180970073	2013	2	28	3	V	0.7	0	7.23	263
180970073	2013	2	28	4	V	0.1	0	7.04	267
180970073	2013	2	28	5	V	1.0	0	6.4	262
180970073	2013	2	28	6	V	0.1	0	6.02	267
180970073	2013	2	28	7	V	0.08	0	5.73	271
180970073	2013	2	28	8	V	0.05	0	5.41	271
180970073	2013	2	28	9	V	0.04	0	5.94	280
180970073	2013	2	28	10	V	0.04	0	5.97	289
180970073	2013	2	28	11	V	0.02	0.3	6.45	295
180970073	2013	2	28	12	V	0.03	0.2	6.23	300
180970073	2013	2	28	13	V	0.02	0.2	6.33	305
180970073	2013	2	28	14	V	0.02	0	6.41	308
180970073	2013	2	28	15	V	0.02	0	6.45	311
180970073	2013	2	28	16	V	0.05	0	5.9	305
180970073	2013	2	28	17	V	0.04	0	6.18	299
180970073	2013	2	28	18	V	0.04	0	5.85	299
180970073	2013	2	28	19	V	0.04	0	6.06	301
180970073	2013	2	28	20	V	0.04	0	6.82	321
180970073	2013	2	28	21	V	0.04	0	6.86	334
180970073	2013	2	28	22	V	0.05	0	5.5	334
180970073	2013	2	28	23	V	0.05	0	5.14	338
180970073	2013	2	28	24	V	0.05	0	4.66	331

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	1	1	V	0.04	0	3.61	320
180970073	2013	3	1	2	V	0.04	0	4.92	320
180970073	2013	3	1	3	V	0.04	0	4.93	318
180970073	2013	3	1	4	V	0.04	0	4.46	315
180970073	2013	3	1	5	V	0.04	0	4.9	325
180970073	2013	3	1	6	V	0.04	0	4.85	323
180970073	2013	3	1	7	V	0.06	0	4.59	326
180970073	2013	3	1	8	V	0.09	0	4.48	323
180970073	2013	3	1	9	V	0.1	0	4.42	325
180970073	2013	3	1	10	V	0.07	0	4.51	321
180970073	2013	3	1	11	V	0.08	0	4.36	312
180970073	2013	3	1	12	V	0.09	0	4.03	314
180970073	2013	3	1	13	V	0.1	0	3.73	316
180970073	2013	3	1	14	V	0.1	0	3.52	312
180970073	2013	3	1	15	V	0.05	0	4.12	15
180970073	2013	3	1	16	V	0.06	0	4.87	20
180970073	2013	3	1	17	V	0.05	0	4.32	14
180970073	2013	3	1	18	V	0.05	0	4.9	10
180970073	2013	3	1	19	V	0.05	0	4.63	23
180970073	2013	3	1	20	V	0.05	0	4.75	22
180970073	2013	3	1	21	V	0.05	0	3.8	17
180970073	2013	3	1	22	V	0.05	0	4.61	10
180970073	2013	3	1	23	V	0.05	0	4.51	10
180970073	2013	3	1	24	V	0.05	0	3.86	16
180970073	2013	3	2	1	V	0.05	0	4.15	21
180970073	2013	3	2	2	V	0.05	0	4.68	27
180970073	2013	3	2	3	V	0.05	0	4.68	33
180970073	2013	3	2	4	V	0.05	0	4.7	25
180970073	2013	3	2	5	V	0.05	0	4.31	10
180970073	2013	3	2	6	V	0.05	0	4.82	10
180970073	2013	3	2	7	V	0.06	0	5.24	5
180970073	2013	3	2	8	V	0.04	0	5.21	356
180970073	2013	3	2	9	V	0.05	0	4.68	9
180970073	2013	3	2	10	V	0.05	0	4.87	2
180970073	2013	3	2	11	V	0.05	0	4.9	4
180970073	2013	3	2	12	V	0.05	0	4.83	346
180970073	2013	3	2	13	V	0.05	0	4.82	353
180970073	2013	3	2	14	V	0.03	0	5.6	342
180970073	2013	3	2	15	V	0.03	0	5.38	326
180970073	2013	3	2	16	V	0.06	0	5.34	327
180970073	2013	3	2	17	V	0.04	0	5.44	323
180970073	2013	3	2	18	V	0.05	0	5	335
180970073	2013	3	2	19	V	0.04	0	5.28	311
180970073	2013	3	2	20	V	0.04	0	4.65	308
180970073	2013	3	2	21	V	0.04	0	5.43	309
180970073	2013	3	2	22	V	0.04	0	5.62	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	2	23	V	0.04	-999	4.88	312
180970073	2013	3	2	24	V	0.04	0	5.17	310
180970073	2013	3	3	1	V	0.04	0	5.51	311
180970073	2013	3	3	2	V	0.04	0	4.99	319
180970073	2013	3	3	3	V	0.04	0	4.66	309
180970073	2013	3	3	4	V	0.04	0	5.02	308
180970073	2013	3	3	5	V	0.04	0	4.07	304
180970073	2013	3	3	6	V	0.05	1.1	3.57	297
180970073	2013	3	3	7	V	0.07	0.2	3.9	297
180970073	2013	3	3	8	V	0.2	0	3.85	300
180970073	2013	3	3	9	V	0.1	0	4.29	297
180970073	2013	3	3	10	V	0.1	0	4.75	309
180970073	2013	3	3	11	V	0.05	0.2	5.84	314
180970073	2013	3	3	12	V	0.07	0.1	4.8	298
180970073	2013	3	3	13	V	0.05	0.2	4.02	310
180970073	2013	3	3	14	V	0.05	0.2	4.54	313
180970073	2013	3	3	15	V	0.04	0.1	4.56	312
180970073	2013	3	3	16	V	0.02	0	4.41	317
180970073	2013	3	3	17	V	0.04	0	3.9	318
180970073	2013	3	3	18	V	0.04	0	3.42	330
180970073	2013	3	3	19	V	0.04	0	2.86	335
180970073	2013	3	3	20	V	0.1	0	2.03	341
180970073	2013	3	3	21	V	0.1	0	1.86	360
180970073	2013	3	3	22	V	0.6	0	1.11	342
180970073	2013	3	3	23	V	2.3	0	1.14	263
180970073	2013	3	3	24	V	12.4	0	1.43	242
180970073	2013	3	4	1	V	9.5	0	1.3	252
180970073	2013	3	4	2	V	8.1	0	1.72	242
180970073	2013	3	4	3	V	5.0	0	0.97	260
180970073	2013	3	4	4	V	2.0	0	0.57	289
180970073	2013	3	4	5	V	0.9	0	0.94	45
180970073	2013	3	4	6	V	0.2	0	1.65	109
180970073	2013	3	4	7	V	0.7	0.4	1.81	108
180970073	2013	3	4	8	V	0.5	0.5	2.3	97
180970073	2013	3	4	9	V	0.3	0	2.96	122
180970073	2013	3	4	10	V	0.1	-999	4.58	142
180970073	2013	3	4	11	V	0.04	-999	5.95	142
180970073	2013	3	4	12	V	0.03	0.7	5.67	135
180970073	2013	3	4	13	V	0.04	0.6	5.46	124
180970073	2013	3	4	14	V	0.03	3.5	5.53	131
180970073	2013	3	4	15	V	0.02	1.6	6.23	121
180970073	2013	3	4	16	V	0.06	4.2	6.13	114
180970073	2013	3	4	17	V	0.05	3.3	5.36	114
180970073	2013	3	4	18	V	0.04	1.6	6.23	107
180970073	2013	3	4	19	V	0.04	4.3	5.72	97
180970073	2013	3	4	20	V	0.04	8.5	6.11	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	4	21	V	0.05	3.2	4.68	96
180970073	2013	3	4	22	V	0.05	0.8	4.41	87
180970073	2013	3	4	23	V	0.05	2.4	4.71	87
180970073	2013	3	4	24	V	0.05	15	5.65	79
180970073	2013	3	5	1	V	0.05	12.1	5.61	74
180970073	2013	3	5	2	V	0.05	7.3	5.51	77
180970073	2013	3	5	3	V	0.05	5.2	5.04	86
180970073	2013	3	5	4	V	0.05	5.3	5.45	83
180970073	2013	3	5	5	V	0.04	5.9	5.51	93
180970073	2013	3	5	6	V	0.05	2.6	5	96
180970073	2013	3	5	7	V	0.07	0.8	4.56	95
180970073	2013	3	5	8	V	0.07	0.7	4.65	93
180970073	2013	3	5	9	V	0.1	1	4.19	89
180970073	2013	3	5	10	V	0.06	0.8	4.97	86
180970073	2013	3	5	11	V	0.04	1.6	5.82	91
180970073	2013	3	5	12	V	0.06	2	5.24	96
180970073	2013	3	5	13	V	0.1	0.8	4.58	90
180970073	2013	3	5	14	V	0.1	0.4	4.27	86
180970073	2013	3	5	15	V	0.1	0.3	3.76	83
180970073	2013	3	5	16	V	0.08	0	2.42	86
180970073	2013	3	5	17	V	0.07	0	2.25	312
180970073	2013	3	5	18	V	0.05	0	3.18	288
180970073	2013	3	5	19	V	0.04	0	5.96	276
180970073	2013	3	5	20	V	0.04	0	8.61	279
180970073	2013	3	5	21	V	0.03	0	9.73	282
180970073	2013	3	5	22	V	0.04	0	8.17	289
180970073	2013	3	5	23	V	0.04	0.2	6.35	312
180970073	2013	3	5	24	V	0.04	0.1	5.99	326
180970073	2013	3	6	1	V	0.04	0	7.01	321
180970073	2013	3	6	2	V	0.03	0	7.74	326
180970073	2013	3	6	3	V	0.03	0	8.39	329
180970073	2013	3	6	4	V	0.04	0	9.49	337
180970073	2013	3	6	5	V	0.04	0	8	340
180970073	2013	3	6	6	V	0.04	0	8.01	332
180970073	2013	3	6	7	V	0.04	0	9.9	340
180970073	2013	3	6	8	V	0.01	0	8.33	347
180970073	2013	3	6	9	V	0.01	0	7.83	344
180970073	2013	3	6	10	V	0.01	0	7.38	342
180970073	2013	3	6	11	V	0.01	0	7.21	341
180970073	2013	3	6	12	V	0.01	0	7.11	340
180970073	2013	3	6	13	V	0.03	0	5.92	326
180970073	2013	3	6	14	V	0.02	0	6.06	312
180970073	2013	3	6	15	V	0.02	0	6.43	308
180970073	2013	3	6	16	V	0.06	0	5.78	306
180970073	2013	3	6	17	V	0.04	0	5.46	296
180970073	2013	3	6	18	V	0.04	0	5.8	295

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	6	19	V	0.05	0	5.24	293
180970073	2013	3	6	20	V	0.04	0	5.73	292
180970073	2013	3	6	21	V	0.04	0	5.56	297
180970073	2013	3	6	22	V	0.05	0	4.6	288
180970073	2013	3	6	23	V	0.05	0	4.27	294
180970073	2013	3	6	24	V	0.04	0	3.78	301
180970073	2013	3	7	1	V	0.05	0	3.71	301
180970073	2013	3	7	2	V	0.05	0	4	294
180970073	2013	3	7	3	V	0.04	0	4.12	293
180970073	2013	3	7	4	V	0.04	0	4.32	299
180970073	2013	3	7	5	V	0.04	0	4.54	300
180970073	2013	3	7	6	V	0.05	0	4.75	307
180970073	2013	3	7	7	V	0.08	0	4.05	313
180970073	2013	3	7	8	V	0.2	0	3.46	302
180970073	2013	3	7	9	V	0.5	0.4	2.16	293
180970073	2013	3	7	10	V	0.5	0.8	2.47	302
180970073	2013	3	7	11	V	0.7	1.3	2.05	294
180970073	2013	3	7	12	V	0.7	1.1	2.42	274
180970073	2013	3	7	13	V	0.5	0.7	2.44	283
180970073	2013	3	7	14	V	0.5	0.2	2.33	291
180970073	2013	3	7	15	V	0.2	0	2.66	289
180970073	2013	3	7	16	V	0.08	0	3.15	307
180970073	2013	3	7	17	V	0.05	0	3.25	321
180970073	2013	3	7	18	V	0.1	0	2.01	318
180970073	2013	3	7	19	V	0.1	0	1.89	329
180970073	2013	3	7	20	V	0.06	0	2.32	335
180970073	2013	3	7	21	V	0.06	0	2.32	12
180970073	2013	3	7	22	V	0.1	0	1.98	45
180970073	2013	3	7	23	V	0.07	0	2.28	23
180970073	2013	3	7	24	V	0.1	0	1.89	32
180970073	2013	3	8	1	V	0.2	0	1.55	27
180970073	2013	3	8	2	V	0.1	0	1.64	331
180970073	2013	3	8	3	V	0.08	0	1.93	1
180970073	2013	3	8	4	V	0.06	0	2.25	351
180970073	2013	3	8	5	V	0.06	0	2.42	332
180970073	2013	3	8	6	V	0.09	0	2.18	4
180970073	2013	3	8	7	V	0.3	0	2.84	45
180970073	2013	3	8	8	V	0.4	0	2.95	39
180970073	2013	3	8	9	V	0.2	0	3.34	41
180970073	2013	3	8	10	V	0.4	0	2.33	59
180970073	2013	3	8	11	V	0.2	0	3.3	88
180970073	2013	3	8	12	V	0.1	0	3.37	104
180970073	2013	3	8	13	V	0.4	0	2.42	125
180970073	2013	3	8	14	V	0.3	0	2.5	138
180970073	2013	3	8	15	V	0.2	0	2.71	98
180970073	2013	3	8	16	V	0.07	0	3.17	98

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	8	17	V	0.04	0	3.9	85
180970073	2013	3	8	18	V	0.04	0	4.34	94
180970073	2013	3	8	19	V	0.04	0	3.69	109
180970073	2013	3	8	20	V	0.04	0	3.12	93
180970073	2013	3	8	21	V	0.04	0	3.69	81
180970073	2013	3	8	22	V	0.04	0	3.74	90
180970073	2013	3	8	23	V	0.04	0	3.15	92
180970073	2013	3	8	24	V	0.04	0	3.34	87
180970073	2013	3	9	1	V	0.04	0	3.39	101
180970073	2013	3	9	2	V	0.04	0	3.39	115
180970073	2013	3	9	3	V	0.04	0	4.02	113
180970073	2013	3	9	4	V	0.04	0.2	3.37	106
180970073	2013	3	9	5	V	0.04	1.1	4.71	99
180970073	2013	3	9	6	V	0.05	1.9	4.07	114
180970073	2013	3	9	7	V	0.2	6.8	3.17	147
180970073	2013	3	9	8	V	0.2	8	3.57	133
180970073	2013	3	9	9	V	0.1	10.5	4.46	125
180970073	2013	3	9	10	V	0.06	11.8	5.43	132
180970073	2013	3	9	11	V	0.03	5.6	6.53	143
180970073	2013	3	9	12	V	0.02	2.1	6.23	148
180970073	2013	3	9	13	V	0.02	1.8	5.94	137
180970073	2013	3	9	14	V	0.02	2.5	5.99	137
180970073	2013	3	9	15	V	0.02	2.1	5.36	139
180970073	2013	3	9	16	V	0.01	1.6	6.07	133
180970073	2013	3	9	17	V	0.04	3.2	6.16	136
180970073	2013	3	9	18	V	0.04	2.7	5.99	141
180970073	2013	3	9	19	V	0.04	0.3	5.22	141
180970073	2013	3	9	20	V	0.04	0.6	5.39	144
180970073	2013	3	9	21	V	0.04	0.2	5.72	149
180970073	2013	3	9	22	V	0.04	0.3	5.68	151
180970073	2013	3	9	23	V	0.04	-999	6.06	157
180970073	2013	3	9	24	V	0.04	0	4.99	159
180970073	2013	3	10	1	V	0.04	0	4.99	150
180970073	2013	3	10	2	V	0.04	0	4.41	149
180970073	2013	3	10	3	V	0.04	0	4.42	164
180970073	2013	3	10	4	V	0.03	0	6.23	178
180970073	2013	3	10	5	V	0.03	0	6.86	178
180970073	2013	3	10	6	V	0.03	0	7.03	180
180970073	2013	3	10	7	V	0.02	0	6.04	180
180970073	2013	3	10	8	V	0.02	0	6.11	166
180970073	2013	3	10	9	V	0.04	0	5.33	157
180970073	2013	3	10	10	V	0.02	0.1	6.4	171
180970073	2013	3	10	11	V	0.01	0.1	7.46	182
180970073	2013	3	10	12	V	0.01	0.1	7.96	175
180970073	2013	3	10	13	V	0.01	0.1	10.06	169
180970073	2013	3	10	14	V	0.01	0.1	9.06	156

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	10	15	V	0.01	0.1	9.06	170
180970073	2013	3	10	16	V	0.01	0.1	8.96	168
180970073	2013	3	10	17	V	0.03	0	7.46	158
180970073	2013	3	10	18	V	0.04	0	5.96	124
180970073	2013	3	10	19	V	0.04	0	6.96	146
180970073	2013	3	10	20	V	0.05	0	5.36	159
180970073	2013	3	10	21	V	0.04	0	8.46	166
180970073	2013	3	10	22	V	0.03	0	6.46	167
180970073	2013	3	10	23	V	0.04	0	6.99	169
180970073	2013	3	10	24	V	0.03	0	8.27	179
180970073	2013	3	11	1	V	0.03	0	7.52	187
180970073	2013	3	11	2	V	0.03	0	6.5	192
180970073	2013	3	11	3	V	0.03	0	6.14	184
180970073	2013	3	11	4	V	0.04	0	6.58	178
180970073	2013	3	11	5	V	0.04	0	5.72	180
180970073	2013	3	11	6	V	0.04	0	4.59	194
180970073	2013	3	11	7	V	0.5	0	4.41	218
180970073	2013	3	11	8	V	0.05	0	5.33	210
180970073	2013	3	11	9	V	0.03	0	5.39	188
180970073	2013	3	11	10	V	0.05	0	4.88	191
180970073	2013	3	11	11	V	1.0	0	8.52	242
180970073	2013	3	11	12	V	5.7	0.5	7.45	235
180970073	2013	3	11	13	V	1.7	2.1	8.71	250
180970073	2013	3	11	14	V	0.6	1.4	9.44	243
180970073	2013	3	11	15	V	0.6	3.4	10.1	244
180970073	2013	3	11	16	V	5.6	1	10.12	241
180970073	2013	3	11	17	V	3.7	0.8	10.24	245
180970073	2013	3	11	18	V	3.6	0.5	8.4	243
180970073	2013	3	11	19	V	5.0	2.1	8.27	250
180970073	2013	3	11	20	V	5.0	3.4	8.91	252
180970073	2013	3	11	21	V	5.1	1	7.13	253
180970073	2013	3	11	22	V	5.1	1.9	8.08	251
180970073	2013	3	11	23	V	4.8	0.8	7.98	249
180970073	2013	3	11	24	V	4.2	1.1	7.33	247
180970073	2013	3	12	1	V	5.1	0.2	7.35	253
180970073	2013	3	12	2	V	1.6	0	7.94	260
180970073	2013	3	12	3	V	1.6	0	7.6	260
180970073	2013	3	12	4	V	0.3	0	7.06	265
180970073	2013	3	12	5	V	0.05	0	7.69	270
180970073	2013	3	12	6	V	0.05	0	6.5	270
180970073	2013	3	12	7	V	0.01	0	6.36	273
180970073	2013	3	12	8	V	0.5	0	6.13	260
180970073	2013	3	12	9	V	0.01	0	6.77	271
180970073	2013	3	12	10	V	0.3	0	6.84	261
180970073	2013	3	12	11	V	0.07	0	7.55	265
180970073	2013	3	12	12	V	1.6	1.7	7.28	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	12	13	V	1.8	2.2	7.42	253
180970073	2013	3	12	14	V	0.8	1.1	8.06	243
180970073	2013	3	12	15	V	0.7	2.4	8.71	243
180970073	2013	3	12	16	V	1.8	2.6	8.67	251
180970073	2013	3	12	17	V	0.3	0	8.78	265
180970073	2013	3	12	18	V	0.9	0	7.64	262
180970073	2013	3	12	19	V	0.2	0	6.24	265
180970073	2013	3	12	20	V	0.06	0	8.12	269
180970073	2013	3	12	21	V	0.04	0	6.11	271
180970073	2013	3	12	22	V	0.03	0	5.21	270
180970073	2013	3	12	23	V	0.1	0	4.92	267
180970073	2013	3	12	24	V	0.04	0	6.28	271
180970073	2013	3	13	1	V	0.02	0	6.74	278
180970073	2013	3	13	2	V	0.02	0	7.08	295
180970073	2013	3	13	3	V	0.02	0	8.39	287
180970073	2013	3	13	4	V	0.02	0	7.94	280
180970073	2013	3	13	5	V	0.02	0	6.82	284
180970073	2013	3	13	6	V	0.02	0	7.59	284
180970073	2013	3	13	7	V	0.01	0	7.08	279
180970073	2013	3	13	8	V	0.01	0	7.28	279
180970073	2013	3	13	9	V	0.01	0	7.5	283
180970073	2013	3	13	10	V	0.01	0	8.69	282
180970073	2013	3	13	11	V	0.01	0	8.71	291
180970073	2013	3	13	12	V	0.01	0	8.44	288
180970073	2013	3	13	13	V	0.01	0	8.69	292
180970073	2013	3	13	14	V	0.01	0	8.83	285
180970073	2013	3	13	15	V	0.01	0	7.72	284
180970073	2013	3	13	16	V	0.03	0	8.03	291
180970073	2013	3	13	17	V	0.02	0	8.56	298
180970073	2013	3	13	18	V	0.02	0	7.52	295
180970073	2013	3	13	19	V	0.02	0	6.45	294
180970073	2013	3	13	20	V	0.02	0	4.43	288
180970073	2013	3	13	21	V	0.02	0	3.86	278
180970073	2013	3	13	22	V	0.02	0	3.98	275
180970073	2013	3	13	23	V	0.03	0	3.42	268
180970073	2013	3	13	24	V	0.03	0	2.86	269
180970073	2013	3	14	1	V	3.3	0	2.64	257
180970073	2013	3	14	2	V	10.9	0	3.23	237
180970073	2013	3	14	3	V	15.6	0	3.56	236
180970073	2013	3	14	4	V	0.7	0	3.52	242
180970073	2013	3	14	5	V	0.9	0	3.25	244
180970073	2013	3	14	6	V	16.7	0	2.66	236
180970073	2013	3	14	7	V	18.6	0	2.84	232
180970073	2013	3	14	8	V	21.0	0.1	2.83	232
180970073	2013	3	14	9	V	7.7	0.4	3.56	247
180970073	2013	3	14	10	V	7.9	0	3.39	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	14	11	V	5.7	0.1	4.12	252
180970073	2013	3	14	12	V	4.2	1.6	4.46	247
180970073	2013	3	14	13	V	8.2	1.8	4.14	240
180970073	2013	3	14	14	V	3.8	5.1	4.19	244
180970073	2013	3	14	15	V	3.0	8.7	4.2	246
180970073	2013	3	14	16	V	1.3	5.6	5.43	246
180970073	2013	3	14	17	V	6.4	2.6	4.53	249
180970073	2013	3	14	18	V	6.0	3	4.1	248
180970073	2013	3	14	19	V	3.6	8.5	6.02	243
180970073	2013	3	14	20	V	15.2	8.9	5.43	235
180970073	2013	3	14	21	V	0.03	7.7	3.59	212
180970073	2013	3	14	22	V	0.03	3.6	4.71	205
180970073	2013	3	14	23	V	0.03	1	4	207
180970073	2013	3	14	24	V	0.02	0.2	4.43	197
180970073	2013	3	15	1	V	0.02	0	3.23	196
180970073	2013	3	15	2	V	0.02	0	3.1	182
180970073	2013	3	15	3	V	0.02	0	3.44	172
180970073	2013	3	15	4	V	0.06	0	2.03	181
180970073	2013	3	15	5	V	0.09	0	1.77	163
180970073	2013	3	15	6	V	0.04	0	2.59	156
180970073	2013	3	15	7	V	0.2	0	2.72	154
180970073	2013	3	15	8	V	0.3	0	2.08	129
180970073	2013	3	15	9	V	0.6	0	1.69	160
180970073	2013	3	15	10	V	11.6	5.2	2.54	224
180970073	2013	3	15	11	V	8.8	16.2	2.95	247
180970073	2013	3	15	12	V	23.9	11.1	1.94	235
180970073	2013	3	15	13	V	24.2	9.7	2.3	233
180970073	2013	3	15	14	V	3.1	50.5	3.01	219
180970073	2013	3	15	15	V	1.6	19.4	4.15	220
180970073	2013	3	15	16	V	9.4	17.6	3.68	227
180970073	2013	3	15	17	V	0.3	22.2	2.59	222
180970073	2013	3	15	18	V	0.03	19.2	2.44	156
180970073	2013	3	15	19	V	0.03	5.8	3.06	138
180970073	2013	3	15	20	V	0.03	2.4	2.37	77
180970073	2013	3	15	21	V	0.03	1	4.32	102
180970073	2013	3	15	22	V	0.03	1.1	4.36	87
180970073	2013	3	15	23	V	0.03	1	3.66	69
180970073	2013	3	15	24	V	0.03	0.2	3.44	74
180970073	2013	3	16	1	V	0.02	0.1	3.93	109
180970073	2013	3	16	2	V	0.02	0.2	3.12	130
180970073	2013	3	16	3	V	0.07	0.5	1.84	148
180970073	2013	3	16	4	V	0.03	1.1	2.44	143
180970073	2013	3	16	5	V	0.07	1.6	1.86	152
180970073	2013	3	16	6	V	0.03	1.2	2.69	202
180970073	2013	3	16	7	V	4.7	0.5	3.05	258
180970073	2013	3	16	8	V	0.1	2.5	3.97	291

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	16	9	V	0.08	1.9	4.02	306
180970073	2013	3	16	10	V	0.01	2.3	7.03	316
180970073	2013	3	16	11	V	0.01	0.7	8.49	317
180970073	2013	3	16	12	V	0.01	0	7.09	312
180970073	2013	3	16	13	V	0.01	0	6.94	317
180970073	2013	3	16	14	V	0.01	0	7.74	318
180970073	2013	3	16	15	V	0.01	1.5	7.94	325
180970073	2013	3	16	16	V	0.01	0.7	6.92	328
180970073	2013	3	16	17	V	0.04	0	5.99	337
180970073	2013	3	16	18	V	0.04	0	5.63	337
180970073	2013	3	16	19	V	0.04	0	5.09	342
180970073	2013	3	16	20	V	0.04	0	4.26	355
180970073	2013	3	16	21	V	0.04	0	4.41	323
180970073	2013	3	16	22	V	0.05	0	4.61	334
180970073	2013	3	16	23	V	0.05	-999	5.16	346
180970073	2013	3	16	24	V	0.05	0	4.54	349
180970073	2013	3	17	1	V	0.05	0	4.15	354
180970073	2013	3	17	2	V	0.05	0	5.22	7
180970073	2013	3	17	3	V	0.04	0	5.65	10
180970073	2013	3	17	4	V	0.04	0	6.02	16
180970073	2013	3	17	5	V	0.04	0	3.98	27
180970073	2013	3	17	6	V	0.05	0	4.44	38
180970073	2013	3	17	7	V	0.04	0	5.09	38
180970073	2013	3	17	8	V	0.02	0	6.01	42
180970073	2013	3	17	9	V	0.02	0	5.92	52
180970073	2013	3	17	10	V	0.02	0	6.14	57
180970073	2013	3	17	11	V	0.03	0	6.02	56
180970073	2013	3	17	12	V	0.02	0	6.23	68
180970073	2013	3	17	13	V	0.02	0	6.04	73
180970073	2013	3	17	14	V	0.02	0	5.92	79
180970073	2013	3	17	15	V	0.02	0	6.31	84
180970073	2013	3	17	16	V	0.02	0	6.33	83
180970073	2013	3	17	17	V	0.04	0	6.98	83
180970073	2013	3	17	18	V	0.04	0	6.4	89
180970073	2013	3	17	19	V	0.04	0	6.28	86
180970073	2013	3	17	20	V	0.04	0	6.65	89
180970073	2013	3	17	21	V	0.04	0	7.4	79
180970073	2013	3	17	22	V	0.04	0	6.36	81
180970073	2013	3	17	23	V	0.04	0	7.47	85
180970073	2013	3	17	24	V	0.04	0	6.75	83
180970073	2013	3	18	1	V	0.04	0	6.75	73
180970073	2013	3	18	2	V	0.04	0	6.58	74
180970073	2013	3	18	3	V	0.05	0	5.39	67
180970073	2013	3	18	4	V	0.05	0	4.82	67
180970073	2013	3	18	5	V	0.04	0	6.5	76
180970073	2013	3	18	6	V	0.05	0	5.79	86

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	18	7	V	0.03	0	5.73	88
180970073	2013	3	18	8	V	0.05	0	5.11	98
180970073	2013	3	18	9	V	0.07	0	4.99	105
180970073	2013	3	18	10	V	0.2	0	3.83	120
180970073	2013	3	18	11	V	0.2	0	3.46	146
180970073	2013	3	18	12	V	0.1	0.2	3.35	174
180970073	2013	3	18	13	V	0.06	0.8	4.19	211
180970073	2013	3	18	14	V	1.4	8.1	7.89	240
180970073	2013	3	18	15	V	2.0	1.5	8.06	252
180970073	2013	3	18	16	V	0.3	6.6	8.37	260
180970073	2013	3	18	17	V	0.1	0.4	8.59	268
180970073	2013	3	18	18	V	0.2	0	8.23	266
180970073	2013	3	18	19	V	1.3	0	7.79	261
180970073	2013	3	18	20	V	3.9	0	6.7	256
180970073	2013	3	18	21	V	4.0	0	6.06	256
180970073	2013	3	18	22	V	7.0	1.1	4.82	239
180970073	2013	3	18	23	V	15.4	0.3	4.99	235
180970073	2013	3	18	24	V	0.03	1.9	6.74	272
180970073	2013	3	19	1	V	0.02	0	8.1	281
180970073	2013	3	19	2	V	0.02	0	8.83	287
180970073	2013	3	19	3	V	0.02	0	10.39	280
180970073	2013	3	19	4	V	0.02	0	7.81	273
180970073	2013	3	19	5	V	3.0	0	7.91	257
180970073	2013	3	19	6	V	4.9	0	7.88	253
180970073	2013	3	19	7	V	2.0	0.6	7.37	252
180970073	2013	3	19	8	V	0.7	0.1	8.32	258
180970073	2013	3	19	9	V	0.2	0	10.36	262
180970073	2013	3	19	10	V	0.3	0	11.57	260
180970073	2013	3	19	11	V	0.7	0	10.78	257
180970073	2013	3	19	12	V	0.4	0	11.74	259
180970073	2013	3	19	13	V	0.8	0.1	12.72	255
180970073	2013	3	19	14	V	0.4	0	12.28	259
180970073	2013	3	19	15	V	0.2	0	11.97	261
180970073	2013	3	19	16	V	0.01	0	10.99	268
180970073	2013	3	19	17	V	0.03	0	10.82	271
180970073	2013	3	19	18	V	0.02	0	9.75	277
180970073	2013	3	19	19	V	0.04	0	7.71	270
180970073	2013	3	19	20	V	1.6	0	5.99	260
180970073	2013	3	19	21	V	0.3	0	5.73	264
180970073	2013	3	19	22	V	6.2	0	4.85	254
180970073	2013	3	19	23	V	7.4	0.4	4.85	252
180970073	2013	3	19	24	V	7.8	0	4.66	251
180970073	2013	3	20	1	V	4.4	0	4.03	256
180970073	2013	3	20	2	V	9.6	0	3.37	238
180970073	2013	3	20	3	V	40.3	0.6	3.44	234
180970073	2013	3	20	4	V	9.3	1.7	3.73	252

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	20	5	V	0.03	0	4.05	271
180970073	2013	3	20	6	V	0.3	0	4.07	265
180970073	2013	3	20	7	V	0.05	0	5.11	285
180970073	2013	3	20	8	V	0.06	0	4.78	288
180970073	2013	3	20	9	V	0.02	0	7.71	292
180970073	2013	3	20	10	V	0.01	0	9.51	290
180970073	2013	3	20	11	V	0.01	0	8.22	292
180970073	2013	3	20	12	V	0.01	0	8.91	283
180970073	2013	3	20	13	V	0.01	0	9.03	286
180970073	2013	3	20	14	V	0.01	0	8.79	278
180970073	2013	3	20	15	V	0.01	0	9.3	277
180970073	2013	3	20	16	V	0.01	0	9.81	290
180970073	2013	3	20	17	V	0.03	0	9.2	285
180970073	2013	3	20	18	V	0.03	0	8.56	281
180970073	2013	3	20	19	V	0.03	0	7.69	282
180970073	2013	3	20	20	V	0.03	0	8.06	287
180970073	2013	3	20	21	V	0.04	0	6.84	295
180970073	2013	3	20	22	V	0.03	0	7.42	308
180970073	2013	3	20	23	V	0.03	0	6.98	304
180970073	2013	3	20	24	V	0.04	0	7.33	303
180970073	2013	3	21	1	V	0.04	0	6.24	301
180970073	2013	3	21	2	V	0.04	0	6.24	313
180970073	2013	3	21	3	V	0.04	0	5.46	302
180970073	2013	3	21	4	V	0.04	0	5.14	313
180970073	2013	3	21	5	V	0.03	0	4.76	305
180970073	2013	3	21	6	V	0.05	0	5.5	311
180970073	2013	3	21	7	V	0.1	0	4.66	318
180970073	2013	3	21	8	V	0.09	0	4.37	312
180970073	2013	3	21	9	V	0.07	0.2	4.6	317
180970073	2013	3	21	10	V	0.08	0	4.31	307
180970073	2013	3	21	11	V	0.08	0.2	4.07	294
180970073	2013	3	21	12	V	0.1	0.2	3.83	276
180970073	2013	3	21	13	V	0.1	0	3.39	284
180970073	2013	3	21	14	V	0.09	0	3.74	279
180970073	2013	3	21	15	V	0.3	0	4.08	266
180970073	2013	3	21	16	V	0.05	0	3.37	287
180970073	2013	3	21	17	V	0.04	0	3.44	289
180970073	2013	3	21	18	V	0.04	0	3.27	300
180970073	2013	3	21	19	V	0.04	0	3.1	310
180970073	2013	3	21	20	V	0.07	0	2.37	298
180970073	2013	3	21	21	V	0.1	0	1.87	285
180970073	2013	3	21	22	V	0.1	0	2.06	268
180970073	2013	3	21	23	V	43.1	0	1.99	234
180970073	2013	3	21	24	V	20.6	0	2.91	237
180970073	2013	3	22	1	V	2.1	0.1	2.76	245
180970073	2013	3	22	2	V	7.3	0	2.06	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	22	3	V	0.5	0	1.18	287
180970073	2013	3	22	4	V	0.2	0	1.64	292
180970073	2013	3	22	5	V	0.1	0	2.08	279
180970073	2013	3	22	6	V	0.2	0	1.69	279
180970073	2013	3	22	7	V	1.9	0	1.03	311
180970073	2013	3	22	8	V	4.6	0.4	0.77	21
180970073	2013	3	22	9	V	4.0	0.5	0.55	50
180970073	2013	3	22	10	V	3.2	0	1.2	202
180970073	2013	3	22	11	V	10.7	0.2	1.94	241
180970073	2013	3	22	12	V	4.1	4	2.13	254
180970073	2013	3	22	13	V	6.0	7.1	2.38	248
180970073	2013	3	22	14	V	4.8	3.5	2.44	249
180970073	2013	3	22	15	V	0.2	3.2	2.16	286
180970073	2013	3	22	16	V	0.2	6.5	1.99	302
180970073	2013	3	22	17	V	0.07	8.3	2.27	272
180970073	2013	3	22	18	V	0.1	9	2.08	277
180970073	2013	3	22	19	V	0.4	1.2	2.08	263
180970073	2013	3	22	20	V	0.2	0.8	1.55	322
180970073	2013	3	22	21	V	0.05	0.3	2.84	4
180970073	2013	3	22	22	V	0.1	0	1.87	46
180970073	2013	3	22	23	V	0.08	0	2.1	41
180970073	2013	3	22	24	V	0.1	0.1	1.86	32
180970073	2013	3	23	1	V	0.2	0	1.55	68
180970073	2013	3	23	2	V	0.2	0	1.57	87
180970073	2013	3	23	3	V	0.2	0	1.54	16
180970073	2013	3	23	4	V	0.07	0	2.22	18
180970073	2013	3	23	5	V	0.05	0	2.86	41
180970073	2013	3	23	6	V	0.05	0	3.03	31
180970073	2013	3	23	7	V	0.2	0	2.83	32
180970073	2013	3	23	8	V	0.3	0	2.64	33
180970073	2013	3	23	9	V	0.2	0.1	3.32	32
180970073	2013	3	23	10	V	0.4	0.1	2.45	66
180970073	2013	3	23	11	V	0.5	0.1	2.66	84
180970073	2013	3	23	12	V	0.8	0.1	1.91	35
180970073	2013	3	23	13	V	0.4	0.5	2.3	41
180970073	2013	3	23	14	V	0.3	0.3	2.38	360
180970073	2013	3	23	15	V	0.3	0.2	2.13	32
180970073	2013	3	23	16	V	0.07	0	3.22	35
180970073	2013	3	23	17	V	0.04	0	4.83	34
180970073	2013	3	23	18	V	0.03	0	4.94	32
180970073	2013	3	23	19	V	0.03	0	5.16	48
180970073	2013	3	23	20	V	0.04	0	5.05	50
180970073	2013	3	23	21	V	0.04	0	4.82	44
180970073	2013	3	23	22	V	0.03	0	5.33	52
180970073	2013	3	23	23	V	0.04	-999	5.17	65
180970073	2013	3	23	24	V	0.04	0	5.36	50

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	24	1	V	0.03	0	6.04	52
180970073	2013	3	24	2	V	0.04	0	5.67	57
180970073	2013	3	24	3	V	0.04	0	5.58	55
180970073	2013	3	24	4	V	0.04	0	6.33	50
180970073	2013	3	24	5	V	0.04	0	5.82	41
180970073	2013	3	24	6	V	0.05	0.4	6.48	29
180970073	2013	3	24	7	V	0.02	0.3	7.04	36
180970073	2013	3	24	8	V	0.02	0	6.6	50
180970073	2013	3	24	9	V	0.02	0	6.99	35
180970073	2013	3	24	10	V	0.03	0.2	6.41	54
180970073	2013	3	24	11	V	0.01	0.1	7.67	61
180970073	2013	3	24	12	V	0.01	0	7.16	56
180970073	2013	3	24	13	V	0.01	0	9.95	60
180970073	2013	3	24	14	V	0.01	0	9.73	68
180970073	2013	3	24	15	V	0.01	0	9.58	66
180970073	2013	3	24	16	V	0.01	0	8.88	75
180970073	2013	3	24	17	V	0.04	0	7.48	68
180970073	2013	3	24	18	V	0.04	0	5.73	58
180970073	2013	3	24	19	V	0.04	0	6.67	48
180970073	2013	3	24	20	V	0.04	0	6.52	38
180970073	2013	3	24	21	V	0.04	0	6.86	23
180970073	2013	3	24	22	V	0.03	0	8.15	22
180970073	2013	3	24	23	V	0.04	0	7.93	22
180970073	2013	3	24	24	V	0.04	0	7.15	16
180970073	2013	3	25	1	V	0.04	0	6.99	10
180970073	2013	3	25	2	V	0.04	0	6.7	356
180970073	2013	3	25	3	V	0.04	0	6.91	337
180970073	2013	3	25	4	V	0.04	0	7.32	330
180970073	2013	3	25	5	V	0.03	0	7.69	324
180970073	2013	3	25	6	V	0.04	0	7.69	324
180970073	2013	3	25	7	V	0.01	0	7.38	320
180970073	2013	3	25	8	V	0.02	0	7.42	317
180970073	2013	3	25	9	V	0.02	0	7.4	315
180970073	2013	3	25	10	V	0.01	0	7.48	310
180970073	2013	3	25	11	V	0.01	0	7.43	310
180970073	2013	3	25	12	V	0.01	0	8.23	314
180970073	2013	3	25	13	V	0.01	0	8.66	314
180970073	2013	3	25	14	V	0.01	0	7.42	306
180970073	2013	3	25	15	V	0.02	0	6.43	304
180970073	2013	3	25	16	V	0.01	0	6.97	303
180970073	2013	3	25	17	V	0.04	0	5.77	297
180970073	2013	3	25	18	V	0.04	0	6.11	314
180970073	2013	3	25	19	V	0.04	0	5.6	308
180970073	2013	3	25	20	V	0.04	0	5.82	306
180970073	2013	3	25	21	V	0.04	0	6.7	310
180970073	2013	3	25	22	V	0.04	0	7.09	313

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	25	23	V	0.04	0	6.52	316
180970073	2013	3	25	24	V	0.04	0	6.18	313
180970073	2013	3	26	1	V	0.04	0	6.41	313
180970073	2013	3	26	2	V	0.04	0	5.43	308
180970073	2013	3	26	3	V	0.04	0	5.53	312
180970073	2013	3	26	4	V	0.04	0	5.39	310
180970073	2013	3	26	5	V	0.04	0	4.73	309
180970073	2013	3	26	6	V	0.05	0.1	4.61	304
180970073	2013	3	26	7	V	0.1	0.1	3.97	301
180970073	2013	3	26	8	V	0.1	0.5	4.46	296
180970073	2013	3	26	9	V	0.1	0.8	4.6	310
180970073	2013	3	26	10	V	0.03	0.9	6.18	323
180970073	2013	3	26	11	V	0.03	0.9	6.53	314
180970073	2013	3	26	12	V	0.03	0.3	6.69	316
180970073	2013	3	26	13	V	0.03	0	6.41	301
180970073	2013	3	26	14	V	0.02	0.1	6.46	303
180970073	2013	3	26	15	V	0.02	0.2	6.53	304
180970073	2013	3	26	16	V	0.01	0	7.01	306
180970073	2013	3	26	17	V	0.04	0	7.42	301
180970073	2013	3	26	18	V	0.04	0	6.7	295
180970073	2013	3	26	19	V	0.04	0	5.77	297
180970073	2013	3	26	20	V	0.04	0	5.36	298
180970073	2013	3	26	21	V	0.04	0	4.36	279
180970073	2013	3	26	22	V	0.04	0	4.36	282
180970073	2013	3	26	23	V	0.2	0	3.32	264
180970073	2013	3	26	24	V	0.6	0	3.68	262
180970073	2013	3	27	1	V	0.8	0	3.69	260
180970073	2013	3	27	2	V	2.9	0	3.46	257
180970073	2013	3	27	3	V	9.0	0	3.49	253
180970073	2013	3	27	4	V	1.8	0	3.54	258
180970073	2013	3	27	5	V	4.8	0	3.34	256
180970073	2013	3	27	6	V	5.9	0	2.93	246
180970073	2013	3	27	7	V	20.7	0	3.13	241
180970073	2013	3	27	8	V	10.2	0	3.12	249
180970073	2013	3	27	9	V	0.2	0	3.32	280
180970073	2013	3	27	10	V	0.1	0.3	3.52	277
180970073	2013	3	27	11	V	0.1	0.1	3.1	285
180970073	2013	3	27	12	V	0.05	0	3.92	289
180970073	2013	3	27	13	V	0.03	0	5.5	288
180970073	2013	3	27	14	V	0.02	0	5.31	299
180970073	2013	3	27	15	V	0.02	0	5.67	299
180970073	2013	3	27	16	V	0.02	0	5.6	306
180970073	2013	3	27	17	V	0.05	0	5.39	311
180970073	2013	3	27	18	V	0.04	0	4.87	316
180970073	2013	3	27	19	V	0.04	0	4.03	318
180970073	2013	3	27	20	V	0.05	0	2.84	322

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	27	21	V	0.06	0	2.86	326
180970073	2013	3	27	22	V	0.08	0	2.37	309
180970073	2013	3	27	23	V	0.1	0	2.13	319
180970073	2013	3	27	24	V	0.08	0	2.32	309
180970073	2013	3	28	1	V	0.08	0	2.06	270
180970073	2013	3	28	2	V	0.06	0	2.3	274
180970073	2013	3	28	3	V	0.04	0	2.62	291
180970073	2013	3	28	4	V	0.03	0	3.46	299
180970073	2013	3	28	5	V	0.03	0	3.52	308
180970073	2013	3	28	6	V	0.08	0	3.47	301
180970073	2013	3	28	7	V	0.3	0	2.78	298
180970073	2013	3	28	8	V	0.5	0	2.54	307
180970073	2013	3	28	9	V	0.4	0	2.86	316
180970073	2013	3	28	10	V	0.2	0.1	3.05	326
180970073	2013	3	28	11	V	0.1	1.9	3.86	336
180970073	2013	3	28	12	V	0.1	0.8	3.51	323
180970073	2013	3	28	13	V	0.1	0.3	3.25	308
180970073	2013	3	28	14	V	0.1	0	3.54	290
180970073	2013	3	28	15	V	0.1	0	3.13	295
180970073	2013	3	28	16	V	0.1	0	2.69	305
180970073	2013	3	28	17	V	0.05	0	2.64	292
180970073	2013	3	28	18	V	0.07	0	2.5	325
180970073	2013	3	28	19	V	0.04	0	3.3	333
180970073	2013	3	28	20	V	0.04	0	3	350
180970073	2013	3	28	21	V	0.06	0	2.69	358
180970073	2013	3	28	22	V	0.07	0	2.44	357
180970073	2013	3	28	23	V	0.3	0	1.4	357
180970073	2013	3	28	24	V	1.3	0	0.8	127
180970073	2013	3	29	1	V	9.1	0	0.75	254
180970073	2013	3	29	2	V	2.1	0	0.53	345
180970073	2013	3	29	3	V	1.6	0	0.7	126
180970073	2013	3	29	4	V	0.7	0	1.01	54
180970073	2013	3	29	5	V	0.1	0	1.77	70
180970073	2013	3	29	6	V	0.1	0	2.16	280
180970073	2013	3	29	7	V	2.5	0	1.01	346
180970073	2013	3	29	8	V	1.7	0	1.31	135
180970073	2013	3	29	9	V	1.1	0	1.71	157
180970073	2013	3	29	10	V	0.8	0	2.16	157
180970073	2013	3	29	11	V	0.5	0	2.61	140
180970073	2013	3	29	12	V	0.9	0.1	1.59	130
180970073	2013	3	29	13	V	1.2	0	1.45	76
180970073	2013	3	29	14	V	0.5	0	1.72	102
180970073	2013	3	29	15	V	0.2	0	2.35	183
180970073	2013	3	29	16	V	0.5	1.4	2.3	269
180970073	2013	3	29	17	V	0.06	3.5	2.76	358
180970073	2013	3	29	18	V	0.04	3.3	3.24	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	29	19	V	0.04	0.6	3.49	327
180970073	2013	3	29	20	V	0.04	0	2.95	356
180970073	2013	3	29	21	V	0.05	0	2.69	23
180970073	2013	3	29	22	V	0.06	0	2.59	44
180970073	2013	3	29	23	V	0.07	0	2.37	38
180970073	2013	3	29	24	V	1.2	0	0.75	9
180970073	2013	3	30	1	V	0.3	0	1.38	136
180970073	2013	3	30	2	V	1.3	0	0.67	186
180970073	2013	3	30	3	V	1.6	0	0.52	289
180970073	2013	3	30	4	V	0.5	0	1.06	131
180970073	2013	3	30	5	V	0.2	0	1.62	43
180970073	2013	3	30	6	V	1.2	0	1.01	15
180970073	2013	3	30	7	V	1.6	0	1.23	85
180970073	2013	3	30	8	V	1.6	0	1.33	83
180970073	2013	3	30	9	V	0.4	1.8	2.4	157
180970073	2013	3	30	10	V	0.1	4.4	4.05	142
180970073	2013	3	30	11	V	0.07	1.3	4.56	146
180970073	2013	3	30	12	V	0.07	0.6	4.36	176
180970073	2013	3	30	13	V	0.05	0.7	4	167
180970073	2013	3	30	14	V	0.05	2.4	3.63	173
180970073	2013	3	30	15	V	0.04	4	3.76	182
180970073	2013	3	30	16	V	0.02	2.3	4.22	190
180970073	2013	3	30	17	V	0.05	0.7	4.24	206
180970073	2013	3	30	18	V	0.05	0.3	3.86	216
180970073	2013	3	30	19	V	0.05	0.1	3.23	211
180970073	2013	3	30	20	V	0.05	0.1	2.64	159
180970073	2013	3	30	21	V	0.05	0	3.2	154
180970073	2013	3	30	22	V	0.05	0	2.67	180
180970073	2013	3	30	23	V	0.06	-999	2.4	217
180970073	2013	3	30	24	V	20.6	0	2.45	229
180970073	2013	3	31	1	V	5.0	0	3.01	226
180970073	2013	3	31	2	V	19.5	1	3.29	236
180970073	2013	3	31	3	V	4.9	1.9	2.69	226
180970073	2013	3	31	4	V	5.4	11.4	2.96	226
180970073	2013	3	31	5	V	13.4	10	2.84	228
180970073	2013	3	31	6	V	4.4	5.1	2.69	243
180970073	2013	3	31	7	V	6.8	2	3.32	245
180970073	2013	3	31	8	V	7.6	1	3.35	247
180970073	2013	3	31	9	V	0.9	0.2	4.46	261
180970073	2013	3	31	10	V	1.4	0	5.02	259
180970073	2013	3	31	11	V	0.06	0	5.28	268
180970073	2013	3	31	12	V	0.03	0	5.77	272
180970073	2013	3	31	13	V	2.4	0	5.29	254
180970073	2013	3	31	14	V	0.9	0	5.19	260
180970073	2013	3	31	15	V	1.1	0	6.35	258
180970073	2013	3	31	16	V	0.8	0	7.14	258

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	3	31	17	V	4.4	0	7.79	255
180970073	2013	3	31	18	V	3.6	0.9	8.32	245
180970073	2013	3	31	19	V	4.1	0.4	9.39	243
180970073	2013	3	31	20	V	0.04	0	5.85	273
180970073	2013	3	31	21	V	6.1	0.6	5.33	249
180970073	2013	3	31	22	V	6.8	3.4	4.71	249
180970073	2013	3	31	23	V	0.03	0	4.97	288
180970073	2013	3	31	24	V	0.03	0	5.79	304
180970073	2013	4	1	1	V	0.02	0	7.71	318
180970073	2013	4	1	2	V	0.02	0	6.99	316
180970073	2013	4	1	3	V	0.03	0	5.1	305
180970073	2013	4	1	4	V	0.03	0	5.38	312
180970073	2013	4	1	5	V	0.04	0	6.19	311
180970073	2013	4	1	6	V	0.05	0	5.97	313
180970073	2013	4	1	7	V	0.05	0	5.79	317
180970073	2013	4	1	8	V	0.07	0	5.02	320
180970073	2013	4	1	9	V	0.04	0	5.8	335
180970073	2013	4	1	10	V	0.04	0	5.63	329
180970073	2013	4	1	11	V	0.04	0	4.92	322
180970073	2013	4	1	12	V	0.02	0	6.23	310
180970073	2013	4	1	13	V	0.02	0	6.53	300
180970073	2013	4	1	14	V	0.02	0	6.96	299
180970073	2013	4	1	15	V	0.02	0	6.74	305
180970073	2013	4	1	16	V	0.01	0	7.76	296
180970073	2013	4	1	17	V	0.04	0	7.93	295
180970073	2013	4	1	18	V	0.03	0	7.16	296
180970073	2013	4	1	19	V	0.03	0	6.8	293
180970073	2013	4	1	20	V	0.03	0	4.85	296
180970073	2013	4	1	21	V	0.03	0	4.53	306
180970073	2013	4	1	22	V	0.03	0	4.36	313
180970073	2013	4	1	23	V	0.03	0	3.93	317
180970073	2013	4	1	24	V	0.04	0	3.32	316
180970073	2013	4	2	1	V	0.06	0	2.59	306
180970073	2013	4	2	2	V	0.09	0	2.27	280
180970073	2013	4	2	3	V	0.07	0	2.55	272
180970073	2013	4	2	4	V	0.06	0	2.69	287
180970073	2013	4	2	5	V	0.05	0	3.05	287
180970073	2013	4	2	6	V	0.1	0	3.1	302
180970073	2013	4	2	7	V	0.3	0.1	3.32	312
180970073	2013	4	2	8	V	0.3	0.3	2.89	311
180970073	2013	4	2	9	V	0.2	0.1	3.01	328
180970073	2013	4	2	10	V	0.4	0.2	2.37	334
180970073	2013	4	2	11	V	0.2	0	3.56	291
180970073	2013	4	2	12	V	0.1	0	3.78	296
180970073	2013	4	2	13	V	0.08	0	4.48	299
180970073	2013	4	2	14	V	0.06	0.1	4.75	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	2	15	V	0.04	0	5.07	311
180970073	2013	4	2	16	V	0.03	0	5.33	308
180970073	2013	4	2	17	V	0.05	0	5.9	295
180970073	2013	4	2	18	V	0.04	0	5.87	298
180970073	2013	4	2	19	V	0.04	0	5.51	292
180970073	2013	4	2	20	V	0.04	0	3.83	291
180970073	2013	4	2	21	V	0.07	0	2.37	282
180970073	2013	4	2	22	V	0.06	0	2.81	297
180970073	2013	4	2	23	V	0.05	0	2.84	322
180970073	2013	4	2	24	V	0.02	0	3.23	359
180970073	2013	4	3	1	V	0.03	0	3.1	39
180970073	2013	4	3	2	V	0.04	0	2.52	34
180970073	2013	4	3	3	V	0.07	0	2.04	35
180970073	2013	4	3	4	V	0.2	0	1.31	29
180970073	2013	4	3	5	V	0.1	0	1.57	30
180970073	2013	4	3	6	V	0.1	0	2.62	27
180970073	2013	4	3	7	V	0.2	0	3	32
180970073	2013	4	3	8	V	0.6	0	1.94	40
180970073	2013	4	3	9	V	0.1	0	3.17	56
180970073	2013	4	3	10	V	0.04	0	4.25	53
180970073	2013	4	3	11	V	0.05	0	4.09	39
180970073	2013	4	3	12	V	0.04	0	3.95	44
180970073	2013	4	3	13	V	0.04	0	4.02	27
180970073	2013	4	3	14	V	0.02	0	4.37	45
180970073	2013	4	3	15	V	0.03	0	4.05	58
180970073	2013	4	3	16	V	0.02	0	4.14	74
180970073	2013	4	3	17	V	0.04	0	4.19	108
180970073	2013	4	3	18	V	0.03	0	4.49	105
180970073	2013	4	3	19	V	0.03	0	4.27	93
180970073	2013	4	3	20	V	0.02	0	4.26	82
180970073	2013	4	3	21	V	0.02	0	3.25	83
180970073	2013	4	3	22	V	0.03	0	2.76	91
180970073	2013	4	3	23	V	0.03	0	3.2	93
180970073	2013	4	3	24	V	0.03	0	3.07	102
180970073	2013	4	4	1	V	0.03	0	2.71	87
180970073	2013	4	4	2	V	0.03	0	2.78	89
180970073	2013	4	4	3	V	0.03	0	3.32	77
180970073	2013	4	4	4	V	0.03	0	3.66	87
180970073	2013	4	4	5	V	0.03	0	4.51	84
180970073	2013	4	4	6	V	0.05	0.2	3.54	83
180970073	2013	4	4	7	V	0.1	0.4	3.25	88
180970073	2013	4	4	8	V	0.1	0.9	3.59	103
180970073	2013	4	4	9	V	0.2	1.7	3.44	116
180970073	2013	4	4	10	V	0.1	1.6	3.3	110
180970073	2013	4	4	11	V	0.06	1	4.15	117
180970073	2013	4	4	12	V	0.08	0.9	3.37	122

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	4	13	V	0.2	0.6	2.37	91
180970073	2013	4	4	14	V	0.1	0.4	2.45	157
180970073	2013	4	4	15	V	0.2	0.3	1.81	148
180970073	2013	4	4	16	V	4.0	0.1	1.49	254
180970073	2013	4	4	17	V	0.2	0.3	1.31	204
180970073	2013	4	4	18	V	0.04	9.4	2.39	306
180970073	2013	4	4	19	V	0.03	7.2	3.03	310
180970073	2013	4	4	20	V	0.1	4.2	1.55	306
180970073	2013	4	4	21	V	0.1	3.5	1.55	310
180970073	2013	4	4	22	V	0.2	3.1	1.31	296
180970073	2013	4	4	23	V	0.07	2.5	1.98	277
180970073	2013	4	4	24	V	0.1	1.8	1.74	279
180970073	2013	4	5	1	V	0.1	1.3	1.79	278
180970073	2013	4	5	2	V	9.2	0.4	2.16	249
180970073	2013	4	5	3	V	5.1	0.1	2.61	256
180970073	2013	4	5	4	V	8.9	0	3.2	249
180970073	2013	4	5	5	V	12.4	0	3.08	251
180970073	2013	4	5	6	V	3.5	0.2	2.4	258
180970073	2013	4	5	7	V	0.3	0.5	2.49	297
180970073	2013	4	5	8	V	0.1	1.1	3.98	341
180970073	2013	4	5	9	V	0.07	0.5	4.34	1
180970073	2013	4	5	10	V	0.06	0.1	4.75	2
180970073	2013	4	5	11	V	0.03	0	5.44	6
180970073	2013	4	5	12	V	0.03	0	5.5	358
180970073	2013	4	5	13	V	0.03	0	5.68	6
180970073	2013	4	5	14	V	0.03	0	5.55	20
180970073	2013	4	5	15	V	0.03	0	5.05	12
180970073	2013	4	5	16	V	0.04	0	3.64	13
180970073	2013	4	5	17	V	0.05	0	3.63	16
180970073	2013	4	5	18	V	0.02	0	3.68	346
180970073	2013	4	5	19	V	0.02	0	4.02	346
180970073	2013	4	5	20	V	0.02	0	4.03	350
180970073	2013	4	5	21	V	0.03	0	3.07	12
180970073	2013	4	5	22	V	0.03	0	2.88	33
180970073	2013	4	5	23	V	0.02	0	3.32	36
180970073	2013	4	5	24	V	0.03	0	4.41	23
180970073	2013	4	6	1	V	0.02	0	3.93	44
180970073	2013	4	6	2	V	0.03	0	2.88	65
180970073	2013	4	6	3	V	0.04	0	2.42	98
180970073	2013	4	6	4	V	0.05	0	2.23	103
180970073	2013	4	6	5	V	0.03	0	3.23	94
180970073	2013	4	6	6	V	0.03	0.2	4.92	111
180970073	2013	4	6	7	V	0.04	2.6	4.85	123
180970073	2013	4	6	8	V	0.02	2.8	6.38	126
180970073	2013	4	6	9	V	0.01	3.4	7.08	138
180970073	2013	4	6	10	V	0.02	2.8	6.74	146

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	6	11	V	0.01	1.1	7.86	140
180970073	2013	4	6	12	V	0.02	0.9	6.65	147
180970073	2013	4	6	13	V	0.02	2.1	6.99	154
180970073	2013	4	6	14	V	0.02	1.2	6.89	161
180970073	2013	4	6	15	V	0.01	0.6	7.59	167
180970073	2013	4	6	16	V	0.01	0.5	8.2	165
180970073	2013	4	6	17	V	0.04	1	8.47	161
180970073	2013	4	6	18	V	0.04	1	9.42	177
180970073	2013	4	6	19	V	0.03	0.3	8.22	190
180970073	2013	4	6	20	V	0.04	0	6.69	190
180970073	2013	4	6	21	V	0.04	0	6.86	182
180970073	2013	4	6	22	V	0.04	0	7.35	182
180970073	2013	4	6	23	V	0.03	-999	7.25	184
180970073	2013	4	6	24	V	0.03	0	7.72	190
180970073	2013	4	7	1	V	0.04	0.3	7.09	191
180970073	2013	4	7	2	V	0.03	0.7	9.17	207
180970073	2013	4	7	3	V	6.9	0.8	10.9	225
180970073	2013	4	7	4	V	11.1	17.5	9.27	227
180970073	2013	4	7	5	V	19.0	3.3	8.23	230
180970073	2013	4	7	6	V	12.3	37.4	6.09	232
180970073	2013	4	7	7	V	6.4	15	5.31	240
180970073	2013	4	7	8	V	10.4	1.4	5.9	238
180970073	2013	4	7	9	V	1.7	5.6	6.86	254
180970073	2013	4	7	10	V	0.02	0.5	7.64	273
180970073	2013	4	7	11	V	0.5	0	7.88	260
180970073	2013	4	7	12	V	0.5	0	6.94	261
180970073	2013	4	7	13	V	0.03	0	6.97	271
180970073	2013	4	7	14	V	0.02	0	7.59	279
180970073	2013	4	7	15	V	0.02	0	7.28	283
180970073	2013	4	7	16	V	0.02	0	6.19	276
180970073	2013	4	7	17	V	0.02	0	4.36	284
180970073	2013	4	7	18	V	0.05	0	2.93	307
180970073	2013	4	7	19	V	0.07	0	2.28	326
180970073	2013	4	7	20	V	0.06	0	2.27	17
180970073	2013	4	7	21	V	0.1	0	1.89	55
180970073	2013	4	7	22	V	0.05	0	3	129
180970073	2013	4	7	23	V	0.05	0	3.03	179
180970073	2013	4	7	24	V	0.05	0	4	170
180970073	2013	4	8	1	V	0.05	0	5.27	185
180970073	2013	4	8	2	V	0.05	0	3.64	193
180970073	2013	4	8	3	V	5.7	0	1.77	224
180970073	2013	4	8	4	V	0.05	0	2.78	156
180970073	2013	4	8	5	V	0.05	0	4.02	146
180970073	2013	4	8	6	V	0.03	0	5.12	151
180970073	2013	4	8	7	V	0.06	0	4.78	148
180970073	2013	4	8	8	V	0.04	0	5.58	145

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	8	9	V	0.02	0.2	6.74	161
180970073	2013	4	8	10	V	0.02	0.2	7.48	178
180970073	2013	4	8	11	V	0.01	0.2	8.37	195
180970073	2013	4	8	12	V	0.01	0.5	8.83	209
180970073	2013	4	8	13	V	3.0	1	10.27	227
180970073	2013	4	8	14	V	5.5	5.7	9.59	229
180970073	2013	4	8	15	V	0.6	3.3	8.72	223
180970073	2013	4	8	16	V	0.5	1.5	8.08	223
180970073	2013	4	8	17	V	0.01	1.1	8.15	218
180970073	2013	4	8	18	V	2.4	1.6	8.61	222
180970073	2013	4	8	19	V	1.2	1.5	6.86	221
180970073	2013	4	8	20	V	0.05	2.8	4.34	215
180970073	2013	4	8	21	V	0.05	1.6	4.75	206
180970073	2013	4	8	22	V	0.04	4.6	3.22	199
180970073	2013	4	8	23	V	0.04	0.6	3.15	165
180970073	2013	4	8	24	V	0.04	0	3.41	174
180970073	2013	4	9	1	V	0.04	0	3.03	142
180970073	2013	4	9	2	V	0.04	0	3.83	170
180970073	2013	4	9	3	V	0.04	0	3.93	166
180970073	2013	4	9	4	V	0.05	0	2.55	114
180970073	2013	4	9	5	V	0.08	0	2.2	99
180970073	2013	4	9	6	V	0.1	0	3.42	104
180970073	2013	4	9	7	V	0.1	0	4	122
180970073	2013	4	9	8	V	0.2	0.4	3.39	135
180970073	2013	4	9	9	V	0.3	0.2	3.37	165
180970073	2013	4	9	10	V	0.02	0.4	7.6	187
180970073	2013	4	9	11	V	0.01	0	8.3	194
180970073	2013	4	9	12	V	0.01	0	10.61	195
180970073	2013	4	9	13	V	0.01	0	11.85	198
180970073	2013	4	9	14	V	0.01	0	11.85	205
180970073	2013	4	9	15	V	0.01	0	11.43	212
180970073	2013	4	9	16	V	2.6	1.2	11.96	227
180970073	2013	4	9	17	V	0.1	1.4	10.05	221
180970073	2013	4	9	18	V	5.4	0.5	8.5	224
180970073	2013	4	9	19	V	0.04	1.6	5.38	210
180970073	2013	4	9	20	V	0.04	0.6	5.5	209
180970073	2013	4	9	21	V	0.05	1.1	4.86	205
180970073	2013	4	9	22	V	0.04	0	6.46	206
180970073	2013	4	9	23	V	0.04	0	6.81	193
180970073	2013	4	9	24	V	0.04	0.6	6.3	195
180970073	2013	4	10	1	V	0.04	0.6	5.6	193
180970073	2013	4	10	2	V	0.04	0.4	3.98	179
180970073	2013	4	10	3	V	0.04	0	3.35	173
180970073	2013	4	10	4	V	0.05	0	4.02	178
180970073	2013	4	10	5	V	0.05	0	3.74	184
180970073	2013	4	10	6	V	0.2	0	3.42	172

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	10	7	V	0.1	0	4.09	179
180970073	2013	4	10	8	V	0.03	0	6.18	204
180970073	2013	4	10	9	V	0.1	0	7.59	217
180970073	2013	4	10	10	V	0.07	0.5	9.56	217
180970073	2013	4	10	11	V	0.08	0.3	9.42	219
180970073	2013	4	10	12	V	1.1	0	10.44	224
180970073	2013	4	10	13	V	0.5	0.8	10.19	222
180970073	2013	4	10	14	V	1.9	1.4	10.19	225
180970073	2013	4	10	15	V	2.2	1.4	10.63	226
180970073	2013	4	10	16	V	0.04	1.1	8.32	219
180970073	2013	4	10	17	V	0.01	1.2	7.11	206
180970073	2013	4	10	18	V	0.05	0	5.49	4
180970073	2013	4	10	19	V	0.05	0	3.66	29
180970073	2013	4	10	20	V	0.04	0	6.09	8
180970073	2013	4	10	21	V	0.04	0	6.5	24
180970073	2013	4	10	22	V	0.05	0	5.19	69
180970073	2013	4	10	23	V	0.05	0	5.02	88
180970073	2013	4	10	24	V	0.04	0	5.89	102
180970073	2013	4	11	1	V	0.04	0	5.73	123
180970073	2013	4	11	2	V	0.04	0.1	6.75	277
180970073	2013	4	11	3	V	0.04	0	4.7	282
180970073	2013	4	11	4	V	0.05	0	2.54	136
180970073	2013	4	11	5	V	0.05	0	2.61	114
180970073	2013	4	11	6	V	0.1	0	3.74	120
180970073	2013	4	11	7	V	0.07	0	4.58	132
180970073	2013	4	11	8	V	0.07	0	4.92	143
180970073	2013	4	11	9	V	0.06	0	5.22	138
180970073	2013	4	11	10	V	0.03	0	6.16	146
180970073	2013	4	11	11	V	0.02	0	6.72	162
180970073	2013	4	11	12	V	0.01	0	7.86	180
180970073	2013	4	11	13	V	0.01	0	7.57	180
180970073	2013	4	11	14	V	0.01	0	7.94	168
180970073	2013	4	11	15	V	0.02	0	6.11	186
180970073	2013	4	11	16	V	0.04	0	4.88	198
180970073	2013	4	11	17	V	0.06	0	4.73	173
180970073	2013	4	11	18	V	0.04	0	5.9	172
180970073	2013	4	11	19	V	2.1	0	6.11	222
180970073	2013	4	11	20	V	0.05	0	4.39	286
180970073	2013	4	11	21	V	0.05	0	4.41	280
180970073	2013	4	11	22	V	0.05	0	4.49	288
180970073	2013	4	11	23	V	0.03	0	6.8	286
180970073	2013	4	11	24	V	0.03	0	7.69	281
180970073	2013	4	12	1	V	0.03	0	8.83	280
180970073	2013	4	12	2	V	0.03	0	9.29	278
180970073	2013	4	12	3	V	0.04	0	8.25	280
180970073	2013	4	12	4	V	0.05	0	6.99	272

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	12	5	V	1.0	0	7.47	262
180970073	2013	4	12	6	V	1.3	0	7.54	255
180970073	2013	4	12	7	V	1.9	4	6.01	245
180970073	2013	4	12	8	V	1.2	1.6	6.64	243
180970073	2013	4	12	9	V	11.1	1.3	6.74	231
180970073	2013	4	12	10	V	5.6	0	7.86	237
180970073	2013	4	12	11	V	4.9	0.8	7.86	238
180970073	2013	4	12	12	V	1.1	0.3	8.23	243
180970073	2013	4	12	13	V	1.7	4.1	7.94	249
180970073	2013	4	12	14	V	1.7	1.3	8.25	249
180970073	2013	4	12	15	V	1.4	1.7	8.64	248
180970073	2013	4	12	16	V	0.7	1.4	9.2	243
180970073	2013	4	12	17	V	4.8	1.8	8.37	247
180970073	2013	4	12	18	V	4.9	2.5	7.81	254
180970073	2013	4	12	19	V	0.7	1	7.11	263
180970073	2013	4	12	20	V	0.04	0	7.64	276
180970073	2013	4	12	21	V	0.1	0	6.38	268
180970073	2013	4	12	22	V	3.8	0	5.22	257
180970073	2013	4	12	23	V	5.1	4.2	5.16	247
180970073	2013	4	12	24	V	5.6	8.9	5.36	248
180970073	2013	4	13	1	V	5.9	3.7	5.48	249
180970073	2013	4	13	2	V	4.5	10.1	5.5	246
180970073	2013	4	13	3	V	5.0	10.4	5.38	247
180970073	2013	4	13	4	V	4.9	6.7	5.68	247
180970073	2013	4	13	5	V	5.0	8.3	5.36	243
180970073	2013	4	13	6	V	2.0	6.3	5.62	245
180970073	2013	4	13	7	V	1.4	9.4	6.3	246
180970073	2013	4	13	8	V	2.4	1.8	6.4	253
180970073	2013	4	13	9	V	1.3	3.5	6.91	245
180970073	2013	4	13	10	V	5.8	3.1	8.33	237
180970073	2013	4	13	11	V	0.9	0.5	10.36	245
180970073	2013	4	13	12	V	0.8	0.8	9.75	257
180970073	2013	4	13	13	V	0.09	0	10.39	264
180970073	2013	4	13	14	V	0.01	0	8.91	278
180970073	2013	4	13	15	V	0.01	0	8.33	275
180970073	2013	4	13	16	V	0.01	0	8.03	273
180970073	2013	4	13	17	V	0.01	0	7.6	272
180970073	2013	4	13	18	V	0.03	0	6.18	276
180970073	2013	4	13	19	V	0.03	0	4.14	296
180970073	2013	4	13	20	V	0.05	0	2.47	322
180970073	2013	4	13	21	V	0.1	0	1.64	350
180970073	2013	4	13	22	V	0.6	0	1.03	59
180970073	2013	4	13	23	V	0.07	-999	2.18	121
180970073	2013	4	13	24	V	0.04	0	2.84	121
180970073	2013	4	14	1	V	0.05	0	2.84	114
180970073	2013	4	14	2	V	0.03	0	3.57	112

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	14	3	V	0.05	0	2.79	99
180970073	2013	4	14	4	V	0.04	0	3.63	109
180970073	2013	4	14	5	V	0.04	0	3.34	117
180970073	2013	4	14	6	V	0.1	0	3.66	93
180970073	2013	4	14	7	V	0.2	0	3.64	100
180970073	2013	4	14	8	V	0.1	0.2	3.91	120
180970073	2013	4	14	9	V	0.1	1.2	4.14	116
180970073	2013	4	14	10	V	0.06	3	5.02	134
180970073	2013	4	14	11	V	0.05	2.1	5.41	135
180970073	2013	4	14	12	V	0.06	1.5	5.09	135
180970073	2013	4	14	13	V	0.08	1.6	4.73	142
180970073	2013	4	14	14	V	0.1	0	4.41	127
180970073	2013	4	14	15	V	0.03	0	6.01	144
180970073	2013	4	14	16	V	0.02	0	6.14	157
180970073	2013	4	14	17	V	0.05	0	7.18	138
180970073	2013	4	14	18	V	0.04	0	7.62	136
180970073	2013	4	14	19	V	0.03	0	7.09	138
180970073	2013	4	14	20	V	0.03	0.1	5.75	136
180970073	2013	4	14	21	V	0.03	0.3	4.77	140
180970073	2013	4	14	22	V	0.03	0	5.11	142
180970073	2013	4	14	23	V	0.03	0.3	5.77	152
180970073	2013	4	14	24	V	0.03	0	6.82	176
180970073	2013	4	15	1	V	0.03	0	6.38	176
180970073	2013	4	15	2	V	0.03	0	7.16	178
180970073	2013	4	15	3	V	0.04	0	5.9	181
180970073	2013	4	15	4	V	0.04	0	5.39	183
180970073	2013	4	15	5	V	0.05	0	4.56	159
180970073	2013	4	15	6	V	0.1	0.3	4.1	142
180970073	2013	4	15	7	V	0.2	0	3.1	150
180970073	2013	4	15	8	V	0.09	0	3.93	166
180970073	2013	4	15	9	V	0.04	0	5.05	174
180970073	2013	4	15	10	V	0.04	0	5.77	185
180970073	2013	4	15	11	V	0.02	0	6.21	192
180970073	2013	4	15	12	V	0.03	0	5.56	193
180970073	2013	4	15	13	V	0.03	0	5.89	197
180970073	2013	4	15	14	V	0.01	0	7.23	179
180970073	2013	4	15	15	V	0.02	0	6.7	175
180970073	2013	4	15	16	V	0.03	0	4.51	200
180970073	2013	4	15	17	V	0.02	0	4.46	178
180970073	2013	4	15	18	V	0.04	0	4.61	175
180970073	2013	4	15	19	V	0.04	0	5.09	174
180970073	2013	4	15	20	V	0.04	0	4.94	170
180970073	2013	4	15	21	V	0.04	0	4.12	142
180970073	2013	4	15	22	V	0.04	0	5.04	149
180970073	2013	4	15	23	V	0.03	0	6.01	151
180970073	2013	4	15	24	V	0.04	0	6.36	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	16	1	V	0.04	0	5.94	152
180970073	2013	4	16	2	V	0.04	0	5.38	161
180970073	2013	4	16	3	V	0.05	0	5	164
180970073	2013	4	16	4	V	0.04	0	6.12	199
180970073	2013	4	16	5	V	0.04	1	6.01	307
180970073	2013	4	16	6	V	0.09	0	3.93	348
180970073	2013	4	16	7	V	0.7	0	1.84	23
180970073	2013	4	16	8	V	0.5	0	2.4	316
180970073	2013	4	16	9	V	0.7	0	1.69	82
180970073	2013	4	16	10	V	0.2	0.4	3.25	3
180970073	2013	4	16	11	V	0.03	0	5.73	334
180970073	2013	4	16	12	V	0.09	0	3.97	358
180970073	2013	4	16	13	V	0.07	0	4.34	21
180970073	2013	4	16	14	V	0.03	0	5.5	6
180970073	2013	4	16	15	V	0.3	0	2.1	344
180970073	2013	4	16	16	V	0.1	0	2.71	31
180970073	2013	4	16	17	V	0.06	0	3.63	78
180970073	2013	4	16	18	V	0.04	0	6.79	8
180970073	2013	4	16	19	V	0.04	0	6.11	32
180970073	2013	4	16	20	V	0.04	0	5.04	38
180970073	2013	4	16	21	V	0.05	0	4.82	43
180970073	2013	4	16	22	V	0.05	0	4.49	51
180970073	2013	4	16	23	V	0.05	0	4.2	51
180970073	2013	4	16	24	V	0.05	0	5.02	52
180970073	2013	4	17	1	V	0.05	0	3.97	33
180970073	2013	4	17	2	V	0.05	0	4.63	37
180970073	2013	4	17	3	V	0.05	0	4.85	47
180970073	2013	4	17	4	V	0.05	0	5.21	42
180970073	2013	4	17	5	V	0.05	0	4.88	48
180970073	2013	4	17	6	V	0.06	0	4.87	53
180970073	2013	4	17	7	V	0.06	0	4.71	62
180970073	2013	4	17	8	V	0.09	0	4.48	67
180970073	2013	4	17	9	V	0.08	0	4.65	68
180970073	2013	4	17	10	V	0.07	0	5.14	97
180970073	2013	4	17	11	V	0.08	0	4.95	113
180970073	2013	4	17	12	V	0.03	0	5.5	115
180970073	2013	4	17	13	V	0.08	0	4.34	120
180970073	2013	4	17	14	V	0.04	0.2	5.56	130
180970073	2013	4	17	15	V	0.04	0	5.05	137
180970073	2013	4	17	16	V	0.02	0	6.52	130
180970073	2013	4	17	17	V	0.01	0.2	7.37	141
180970073	2013	4	17	18	V	0.04	0.3	7.89	156
180970073	2013	4	17	19	V	0.04	0	6.69	157
180970073	2013	4	17	20	V	0.04	0	6.23	168
180970073	2013	4	17	21	V	0.04	0	4.43	157
180970073	2013	4	17	22	V	0.04	0	3.97	140

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	17	23	V	0.04	0	3.83	126
180970073	2013	4	17	24	V	0.04	0	4.97	131
180970073	2013	4	18	1	V	0.04	0	6.11	142
180970073	2013	4	18	2	V	0.04	0	6.87	153
180970073	2013	4	18	3	V	0.04	0	6.41	169
180970073	2013	4	18	4	V	0.03	0	7.52	177
180970073	2013	4	18	5	V	0.04	0	7.48	183
180970073	2013	4	18	6	V	0.01	0	7.91	173
180970073	2013	4	18	7	V	0.02	0	7.37	168
180970073	2013	4	18	8	V	0.02	0	7.01	164
180970073	2013	4	18	9	V	0.01	0	9.61	172
180970073	2013	4	18	10	V	0.01	0	10	182
180970073	2013	4	18	11	V	0.01	0	11.33	193
180970073	2013	4	18	12	V	0.01	0	11.99	200
180970073	2013	4	18	13	V	0.01	0	10	207
180970073	2013	4	18	14	V	0.04	0	4.87	313
180970073	2013	4	18	15	V	0.2	0	2.52	11
180970073	2013	4	18	16	V	0.08	0	3.32	75
180970073	2013	4	18	17	V	0.06	0	5.97	9
180970073	2013	4	18	18	V	0.04	0	5.26	282
180970073	2013	4	18	19	V	31.6	0	2.4	230
180970073	2013	4	18	20	V	0.07	0	2.1	107
180970073	2013	4	18	21	V	0.1	0	1.87	122
180970073	2013	4	18	22	V	0.05	0	3.35	156
180970073	2013	4	18	23	V	0.05	0	4.61	160
180970073	2013	4	18	24	V	0.04	0	7.25	285
180970073	2013	4	19	1	V	0.03	0	7.06	289
180970073	2013	4	19	2	V	0.03	0	7.74	286
180970073	2013	4	19	3	V	0.03	0	7.43	278
180970073	2013	4	19	4	V	0.04	0	8.03	275
180970073	2013	4	19	5	V	0.04	0	9.92	274
180970073	2013	4	19	6	V	0.01	0	8.96	271
180970073	2013	4	19	7	V	0.01	0	9.64	267
180970073	2013	4	19	8	V	0.1	0	9.03	263
180970073	2013	4	19	9	V	0.5	0	9.47	259
180970073	2013	4	19	10	V	1.0	0.4	10.63	247
180970073	2013	4	19	11	V	0.9	0.5	10.58	246
180970073	2013	4	19	12	V	0.8	0.4	10.14	244
180970073	2013	4	19	13	V	1.3	0.4	11	249
180970073	2013	4	19	14	V	0.8	0	10.92	243
180970073	2013	4	19	15	V	1.3	0.7	11.06	241
180970073	2013	4	19	16	V	1.0	0.1	9.42	246
180970073	2013	4	19	17	V	5.2	0.3	9.24	244
180970073	2013	4	19	18	V	6.2	0	8.78	242
180970073	2013	4	19	19	V	7.9	0.7	7.64	241
180970073	2013	4	19	20	V	6.3	0.5	7.21	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	19	21	V	28.3	7	5.72	234
180970073	2013	4	19	22	V	24.4	24.1	6.52	235
180970073	2013	4	19	23	V	2.0	4.2	7.13	259
180970073	2013	4	19	24	V	9.9	1.5	5.48	239
180970073	2013	4	20	1	V	4.0	1.9	5.79	243
180970073	2013	4	20	2	V	3.8	0.1	5.14	257
180970073	2013	4	20	3	V	7.6	0	4.6	253
180970073	2013	4	20	4	V	0.03	0	5.16	274
180970073	2013	4	20	5	V	0.1	0	3.35	265
180970073	2013	4	20	6	V	2.4	0	3.3	262
180970073	2013	4	20	7	V	6.0	0	3.54	253
180970073	2013	4	20	8	V	0.8	0	4.25	264
180970073	2013	4	20	9	V	0.04	0	5.36	296
180970073	2013	4	20	10	V	0.03	0	5.67	291
180970073	2013	4	20	11	V	0.02	0	5.89	287
180970073	2013	4	20	12	V	0.03	0	5.46	294
180970073	2013	4	20	13	V	0.04	0	5.09	293
180970073	2013	4	20	14	V	0.03	0	5.72	299
180970073	2013	4	20	15	V	0.04	0	4.8	315
180970073	2013	4	20	16	V	0.03	0	4.49	311
180970073	2013	4	20	17	V	0.02	0	4.51	325
180970073	2013	4	20	18	V	0.03	0	4.24	329
180970073	2013	4	20	19	V	0.03	0	4.37	334
180970073	2013	4	20	20	V	0.04	0	3.25	3
180970073	2013	4	20	21	V	0.03	0	3.83	8
180970073	2013	4	20	22	V	0.04	0	3.63	14
180970073	2013	4	20	23	V	0.04	-999	3.4	29
180970073	2013	4	20	24	V	0.04	0	3.05	41
180970073	2013	4	21	1	V	0.05	0	2.83	47
180970073	2013	4	21	2	V	0.03	0	4.09	58
180970073	2013	4	21	3	V	0.04	0	5.12	74
180970073	2013	4	21	4	V	0.04	0	3.95	83
180970073	2013	4	21	5	V	0.05	0	3.68	82
180970073	2013	4	21	6	V	0.2	0	3.59	78
180970073	2013	4	21	7	V	0.1	0	3.83	82
180970073	2013	4	21	8	V	0.09	0	4.51	93
180970073	2013	4	21	9	V	0.04	0	5.9	94
180970073	2013	4	21	10	V	0.03	0	6.62	108
180970073	2013	4	21	11	V	0.05	0	5.48	112
180970073	2013	4	21	12	V	0.04	0	5.31	114
180970073	2013	4	21	13	V	0.09	0	4.07	115
180970073	2013	4	21	14	V	0.09	0	3.93	101
180970073	2013	4	21	15	V	0.08	0	4.03	85
180970073	2013	4	21	16	V	0.06	0	4.31	83
180970073	2013	4	21	17	V	0.03	0	4.14	89
180970073	2013	4	21	18	V	0.05	0	4.49	97

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	21	19	V	0.04	0	5.21	92
180970073	2013	4	21	20	V	0.05	0	4.75	82
180970073	2013	4	21	21	V	0.05	0	4.07	83
180970073	2013	4	21	22	V	0.04	0.2	4.19	89
180970073	2013	4	21	23	V	0.04	0	3.76	95
180970073	2013	4	21	24	V	0.04	0	3.37	95
180970073	2013	4	22	1	V	0.03	0	4.14	105
180970073	2013	4	22	2	V	0.03	0	3.66	112
180970073	2013	4	22	3	V	0.04	0	3.07	108
180970073	2013	4	22	4	V	0.05	0	2.78	101
180970073	2013	4	22	5	V	0.05	0	2.55	85
180970073	2013	4	22	6	V	0.3	0	2.74	59
180970073	2013	4	22	7	V	0.5	0	2.54	43
180970073	2013	4	22	8	V	0.7	1.1	2.38	78
180970073	2013	4	22	9	V	0.4	4.5	2.96	110
180970073	2013	4	22	10	V	0.5	6	2.5	128
180970073	2013	4	22	11	V	0.6	4	2.08	120
180970073	2013	4	22	12	V	0.8	2.5	1.77	143
180970073	2013	4	22	13	V	0.4	1.2	2.44	124
180970073	2013	4	22	14	V	0.2	0.7	2.81	141
180970073	2013	4	22	15	V	0.3	0.2	2.18	150
180970073	2013	4	22	16	V	0.1	0.2	3	153
180970073	2013	4	22	17	V	0.04	0.2	3.39	144
180970073	2013	4	22	18	V	0.04	0	3.85	123
180970073	2013	4	22	19	V	0.04	0	4.29	119
180970073	2013	4	22	20	V	0.04	0	4.03	115
180970073	2013	4	22	21	V	0.04	0	3.24	131
180970073	2013	4	22	22	V	0.04	0	3.4	135
180970073	2013	4	22	23	V	0.04	0.2	3.71	146
180970073	2013	4	22	24	V	0.04	0.4	4	148
180970073	2013	4	23	1	V	0.04	0.2	3.17	160
180970073	2013	4	23	2	V	0.05	0.1	2.71	148
180970073	2013	4	23	3	V	0.05	0	2.61	137
180970073	2013	4	23	4	V	0.05	0	4.31	130
180970073	2013	4	23	5	V	0.05	0.1	4.39	157
180970073	2013	4	23	6	V	0.2	0	3.41	148
180970073	2013	4	23	7	V	0.1	0	4.39	146
180970073	2013	4	23	8	V	0.1	0	4.32	146
180970073	2013	4	23	9	V	0.08	0.1	4.82	161
180970073	2013	4	23	10	V	0.06	0.7	5.24	177
180970073	2013	4	23	11	V	0.06	1	5.41	191
180970073	2013	4	23	12	V	0.03	1.3	6.3	193
180970073	2013	4	23	13	V	0.01	0.7	7.35	190
180970073	2013	4	23	14	V	0.01	0.2	8.15	209
180970073	2013	4	23	15	V	0.02	0	6.43	196
180970073	2013	4	23	16	V	0.05	0	4.48	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	23	17	V	0.08	0	4.14	175
180970073	2013	4	23	18	V	0.05	0	3.73	185
180970073	2013	4	23	19	V	0.05	0	3.98	163
180970073	2013	4	23	20	V	0.05	0	4.17	151
180970073	2013	4	23	21	V	0.05	0	4.88	159
180970073	2013	4	23	22	V	0.05	0	5.96	173
180970073	2013	4	23	23	V	5.7	0	3.75	247
180970073	2013	4	23	24	V	0.05	0	2.23	286
180970073	2013	4	24	1	V	0.04	0	3.53	275
180970073	2013	4	24	2	V	0.04	0	5.77	315
180970073	2013	4	24	3	V	0.04	0	5.67	312
180970073	2013	4	24	4	V	0.04	0	6.33	317
180970073	2013	4	24	5	V	0.05	0	5.36	321
180970073	2013	4	24	6	V	0.03	0	5.72	317
180970073	2013	4	24	7	V	0.03	0	6.04	319
180970073	2013	4	24	8	V	0.02	0	6.21	331
180970073	2013	4	24	9	V	0.02	0	6.65	332
180970073	2013	4	24	10	V	0.02	0	6.99	319
180970073	2013	4	24	11	V	0.01	0	9.46	316
180970073	2013	4	24	12	V	0.01	0	7.86	324
180970073	2013	4	24	13	V	0.01	0	7.52	311
180970073	2013	4	24	14	V	0.02	0	7.03	291
180970073	2013	4	24	15	V	0.02	0	6.55	287
180970073	2013	4	24	16	V	0.02	0	7.14	282
180970073	2013	4	24	17	V	0.01	0	7.47	280
180970073	2013	4	24	18	V	0.04	0	7.06	278
180970073	2013	4	24	19	V	0.05	0	5.31	271
180970073	2013	4	24	20	V	0.1	0	4.05	266
180970073	2013	4	24	21	V	8.2	0	3.61	253
180970073	2013	4	24	22	V	1.3	0	3.35	244
180970073	2013	4	24	23	V	7.7	0	3.54	254
180970073	2013	4	24	24	V	3.6	0	3.69	246
180970073	2013	4	25	1	V	3.8	3.2	3.22	226
180970073	2013	4	25	2	V	0.04	3.2	3.25	218
180970073	2013	4	25	3	V	0.04	0.9	3.25	207
180970073	2013	4	25	4	V	0.03	2.3	3.97	208
180970073	2013	4	25	5	V	0.04	0.9	3.73	204
180970073	2013	4	25	6	V	0.1	0.3	4.36	190
180970073	2013	4	25	7	V	0.1	0	4.31	196
180970073	2013	4	25	8	V	0.04	0	5.97	205
180970073	2013	4	25	9	V	0.04	0.4	6.87	212
180970073	2013	4	25	10	V	4.7	8.5	8.35	239
180970073	2013	4	25	11	V	1.4	2	8.11	248
180970073	2013	4	25	12	V	0.04	0.7	8.42	267
180970073	2013	4	25	13	V	0.1	0	10	264
180970073	2013	4	25	14	V	0.01	0	9.78	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	25	15	V	0.01	0	9.22	272
180970073	2013	4	25	16	V	0.01	0	8.1	281
180970073	2013	4	25	17	V	0.01	0	7.69	280
180970073	2013	4	25	18	V	0.03	0	6.35	285
180970073	2013	4	25	19	V	0.03	0	5.07	283
180970073	2013	4	25	20	V	0.03	0	3.42	296
180970073	2013	4	25	21	V	0.2	0	1.64	303
180970073	2013	4	25	22	V	1.0	0	0.91	294
180970073	2013	4	25	23	V	1.9	0	0.58	113
180970073	2013	4	25	24	V	0.2	-999	1.71	116
180970073	2013	4	26	1	V	0.1	-999	1.81	93
180970073	2013	4	26	2	V	0.08	-999	2.27	109
180970073	2013	4	26	3	V	0.05	-999	2.76	119
180970073	2013	4	26	4	V	0.04	-999	3.22	127
180970073	2013	4	26	5	V	0.09	-999	1.89	130
180970073	2013	4	26	6	V	0.2	-999	3.01	136
180970073	2013	4	26	7	V	0.2	-999	4.12	134
180970073	2013	4	26	8	V	0.09	-999	4.9	139
180970073	2013	4	26	9	V	0.05	-999	5.82	137
180970073	2013	4	26	10	V	0.04	-999	5.7	139
180970073	2013	4	26	11	V	0.07	-999	4.95	136
180970073	2013	4	26	12	V	0.1	0	3.75	161
180970073	2013	4	26	13	V	0.1	0	3.22	146
180970073	2013	4	26	14	V	0.2	0	3.12	144
180970073	2013	4	26	15	V	0.2	0	2.55	127
180970073	2013	4	26	16	V	0.4	0	1.77	139
180970073	2013	4	26	17	V	0.05	0	3.15	148
180970073	2013	4	26	18	V	0.05	0	3.61	131
180970073	2013	4	26	19	V	0.04	0	4.29	123
180970073	2013	4	26	20	V	0.04	0	3.61	126
180970073	2013	4	26	21	V	0.05	0	3.27	132
180970073	2013	4	26	22	V	0.04	0	3.32	137
180970073	2013	4	26	23	V	0.06	0	2.42	147
180970073	2013	4	26	24	V	0.3	0	1.37	187
180970073	2013	4	27	1	V	0.3	0	1.33	121
180970073	2013	4	27	2	V	0.08	0	1.96	75
180970073	2013	4	27	3	V	0.1	0	1.86	71
180970073	2013	4	27	4	V	0.04	-999	2.66	95
180970073	2013	4	27	5	V	0.1	-999	1.62	86
180970073	2013	4	27	6	V	0.4	-999	1.79	72
180970073	2013	4	27	7	V	0.3	-999	2.5	85
180970073	2013	4	27	8	V	0.3	-999	2.59	87
180970073	2013	4	27	9	V	0.3	-999	2.86	87
180970073	2013	4	27	10	V	0.2	0.9	3.71	122
180970073	2013	4	27	11	V	0.09	1.9	4.8	107
180970073	2013	4	27	12	V	0.03	4.7	5.75	128

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	27	13	V	0.02	1.9	6.33	131
180970073	2013	4	27	14	V	0.02	1.7	6.53	149
180970073	2013	4	27	15	V	0.05	1.9	4.61	131
180970073	2013	4	27	16	V	0.04	0	4.8	118
180970073	2013	4	27	17	V	0.01	0	5.9	129
180970073	2013	4	27	18	V	0.04	0	5.56	128
180970073	2013	4	27	19	V	0.05	0	5.16	118
180970073	2013	4	27	20	V	0.05	0	4.41	113
180970073	2013	4	27	21	V	0.05	0	4.08	114
180970073	2013	4	27	22	V	0.05	0	4.82	107
180970073	2013	4	27	23	V	0.05	-999	4.87	113
180970073	2013	4	27	24	V	0.05	0	5.02	113
180970073	2013	4	28	1	V	0.05	0	4.71	111
180970073	2013	4	28	2	V	0.05	0	4.14	111
180970073	2013	4	28	3	V	0.05	0	4.22	121
180970073	2013	4	28	4	V	0.05	0	3.86	124
180970073	2013	4	28	5	V	0.05	0	3.44	135
180970073	2013	4	28	6	V	0.3	0	2.47	131
180970073	2013	4	28	7	V	0.5	0	2.03	123
180970073	2013	4	28	8	V	0.6	0	2.13	121
180970073	2013	4	28	9	V	0.4	0	2.74	128
180970073	2013	4	28	10	V	0.2	0	2.83	148
180970073	2013	4	28	11	V	0.1	0	3.37	178
180970073	2013	4	28	12	V	0.09	0	4.09	202
180970073	2013	4	28	13	V	23.3	0	3.59	236
180970073	2013	4	28	14	V	4.1	0	4.36	252
180970073	2013	4	28	15	V	2.5	0.9	5.89	248
180970073	2013	4	28	16	V	2.0	0	5.7	242
180970073	2013	4	28	17	V	6.9	1.3	4.71	246
180970073	2013	4	28	18	V	5.0	0	4.14	242
180970073	2013	4	28	19	V	2.6	0	2.78	242
180970073	2013	4	28	20	V	0.1	0	2.55	220
180970073	2013	4	28	21	V	9.5	0	2.71	239
180970073	2013	4	28	22	V	2.4	0	2.69	244
180970073	2013	4	28	23	V	2.3	0	2.4	242
180970073	2013	4	28	24	V	2.2	0	2.84	243
180970073	2013	4	29	1	V	4.4	0	3.12	246
180970073	2013	4	29	2	V	8.1	0	3.61	250
180970073	2013	4	29	3	V	4.5	0	3.25	246
180970073	2013	4	29	4	V	3.9	0	2.88	241
180970073	2013	4	29	5	V	4.2	1	2.96	245
180970073	2013	4	29	6	V	3.6	1.7	3.12	257
180970073	2013	4	29	7	V	0.2	0	3.66	270
180970073	2013	4	29	8	V	0.3	0	2.72	285
180970073	2013	4	29	9	V	38.4	0.4	1.62	232
180970073	2013	4	29	10	V	1.9	7.9	1.99	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	4	29	11	V	18.2	7.7	2.55	223
180970073	2013	4	29	12	V	0.4	9	3.03	196
180970073	2013	4	29	13	V	0.3	12.5	2.98	186
180970073	2013	4	29	14	V	0.1	1.2	4.19	194
180970073	2013	4	29	15	V	0.1	0	4.14	167
180970073	2013	4	29	16	V	0.08	0	4.31	161
180970073	2013	4	29	17	V	0.04	0	4.31	165
180970073	2013	4	29	18	V	0.04	0	4.17	150
180970073	2013	4	29	19	V	0.04	0	4.97	140
180970073	2013	4	29	20	V	0.04	0	4.44	140
180970073	2013	4	29	21	V	0.04	0	4.58	146
180970073	2013	4	29	22	V	0.04	0	5	150
180970073	2013	4	29	23	V	0.03	0	5.17	149
180970073	2013	4	29	24	V	0.03	0	4.88	154
180970073	2013	4	30	1	V	0.03	0	3.22	145
180970073	2013	4	30	2	V	0.03	0	3.05	135
180970073	2013	4	30	3	V	0.03	0	3.29	138
180970073	2013	4	30	4	V	0.04	0	2.93	122
180970073	2013	4	30	5	V	0.05	0	3.88	136
180970073	2013	4	30	6	V	0.2	0	3.64	140
180970073	2013	4	30	7	V	0.3	0	3.32	144
180970073	2013	4	30	8	V	0.2	0	3.93	152
180970073	2013	4	30	9	V	0.1	0	4.24	167
180970073	2013	4	30	10	V	0.08	0	4.71	168
180970073	2013	4	30	11	V	0.05	0	5.14	170
180970073	2013	4	30	12	V	0.08	0.1	5.04	184
180970073	2013	4	30	13	V	0.07	0.3	5.11	181
180970073	2013	4	30	14	V	0.09	0.4	4.76	189
180970073	2013	4	30	15	V	0.09	0.3	4.48	170
180970073	2013	4	30	16	V	0.05	0.2	5.19	141
180970073	2013	4	30	17	V	0.03	0	5.41	138
180970073	2013	4	30	18	V	0.04	0	6.82	133
180970073	2013	4	30	19	V	0.04	0	6.48	139
180970073	2013	4	30	20	V	0.04	0	4.54	141
180970073	2013	4	30	21	V	0.04	0	4.1	147
180970073	2013	4	30	22	V	0.03	0.4	3.92	145
180970073	2013	4	30	23	V	0.04	0	3.86	140
180970073	2013	4	30	24	V	0.04	0	4.73	137
180970073	2013	5	1	1	V	0.04	0	4.51	153
180970073	2013	5	1	2	V	0.03	0	3.3	159
180970073	2013	5	1	3	V	0.03	0	3.47	152
180970073	2013	5	1	4	V	0.04	0	3.52	163
180970073	2013	5	1	5	V	0.1	0	1.55	101
180970073	2013	5	1	6	V	0.8	0	1.67	64
180970073	2013	5	1	7	V	1.0	0	1.74	66
180970073	2013	5	1	8	V	0.8	0	2.22	106

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	1	9	V	0.5	0	2.16	131
180970073	2013	5	1	10	V	0.2	0	2.66	177
180970073	2013	5	1	11	V	0.2	0	2.49	179
180970073	2013	5	1	12	V	0.2	0	2.76	166
180970073	2013	5	1	13	V	0.2	0	2.79	164
180970073	2013	5	1	14	V	0.05	0	4.17	131
180970073	2013	5	1	15	V	0.04	0	4.44	132
180970073	2013	5	1	16	V	0.03	0	4.39	122
180970073	2013	5	1	17	V	0.03	0	3.95	124
180970073	2013	5	1	18	V	0.04	0	5.36	125
180970073	2013	5	1	19	V	0.04	0	3.85	127
180970073	2013	5	1	20	V	0.06	0	2.49	133
180970073	2013	5	1	21	V	0.2	0	1.62	105
180970073	2013	5	1	22	V	0.06	0	2.38	95
180970073	2013	5	1	23	V	0.06	0	2.45	83
180970073	2013	5	1	24	V	0.04	0	2.84	86
180970073	2013	5	2	1	V	0.04	0	3.91	104
180970073	2013	5	2	2	V	0.04	0	3.9	115
180970073	2013	5	2	3	V	0.04	0	4.37	125
180970073	2013	5	2	4	V	0.04	0.1	4.49	136
180970073	2013	5	2	5	V	0.08	0.4	3.63	132
180970073	2013	5	2	6	V	0.2	0.4	3.42	116
180970073	2013	5	2	7	V	0.1	0	4.24	121
180970073	2013	5	2	8	V	0.04	0	5.96	138
180970073	2013	5	2	9	V	0.03	0	6.36	141
180970073	2013	5	2	10	V	0.05	0	4.7	142
180970073	2013	5	2	11	V	0.03	0.1	4.68	138
180970073	2013	5	2	12	V	0.04	0.2	4.54	141
180970073	2013	5	2	13	V	0.03	-999	4.83	131
180970073	2013	5	2	14	V	0.02	0.3	5.21	118
180970073	2013	5	2	15	V	0.02	0	5.38	128
180970073	2013	5	2	16	V	0.02	0	5.43	121
180970073	2013	5	2	17	V	0.02	0	5.16	120
180970073	2013	5	2	18	V	0.04	0	5.6	123
180970073	2013	5	2	19	V	0.04	0	5.62	131
180970073	2013	5	2	20	V	0.04	0	4.65	133
180970073	2013	5	2	21	V	0.04	0	3.78	140
180970073	2013	5	2	22	V	0.04	0	3.44	143
180970073	2013	5	2	23	V	0.04	0	3.18	141
180970073	2013	5	2	24	V	0.04	0	3.92	130
180970073	2013	5	3	1	V	0.04	0	4.02	137
180970073	2013	5	3	2	V	0.04	0	3.69	141
180970073	2013	5	3	3	V	0.04	0	3.47	127
180970073	2013	5	3	4	V	0.04	0	3.42	126
180970073	2013	5	3	5	V	0.05	0	3.18	118
180970073	2013	5	3	6	V	0.2	0	3.22	118

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	3	7	V	0.2	0	3.78	128
180970073	2013	5	3	8	V	0.2	0	3.61	140
180970073	2013	5	3	9	V	0.2	0	3.81	125
180970073	2013	5	3	10	V	0.1	0	4.2	143
180970073	2013	5	3	11	V	0.2	0.8	3.66	136
180970073	2013	5	3	12	V	0.2	0.2	3.73	134
180970073	2013	5	3	13	V	0.2	0	3.85	121
180970073	2013	5	3	14	V	0.06	0	5.21	124
180970073	2013	5	3	15	V	0.06	0	5.14	144
180970073	2013	5	3	16	V	0.03	0	5.27	128
180970073	2013	5	3	17	V	0.03	0	4.44	111
180970073	2013	5	3	18	V	0.05	0	4.9	115
180970073	2013	5	3	19	V	0.04	0	6.33	124
180970073	2013	5	3	20	V	0.04	0	5.72	119
180970073	2013	5	3	21	V	0.05	0	4.54	116
180970073	2013	5	3	22	V	0.04	2.4	6.77	117
180970073	2013	5	3	23	V	0.04	1.5	5.79	121
180970073	2013	5	3	24	V	0.05	1	4.56	126
180970073	2013	5	4	1	V	0.05	1.3	4.66	121
180970073	2013	5	4	2	V	0.05	0.8	4.82	122
180970073	2013	5	4	3	V	0.04	0	5.39	117
180970073	2013	5	4	4	V	0.04	0	6.13	116
180970073	2013	5	4	5	V	0.03	0	5.9	115
180970073	2013	5	4	6	V	0.03	2	6.18	109
180970073	2013	5	4	7	V	0.02	0.4	6.67	104
180970073	2013	5	4	8	V	0.02	0	6.89	107
180970073	2013	5	4	9	V	0.02	0	6.79	112
180970073	2013	5	4	10	V	0.03	0.1	6.53	109
180970073	2013	5	4	11	V	0.03	0	6.21	114
180970073	2013	5	4	12	V	0.04	0.2	5.87	120
180970073	2013	5	4	13	V	0.04	0.5	5.29	123
180970073	2013	5	4	14	V	0.04	0	5.04	153
180970073	2013	5	4	15	V	0.03	0.9	5.39	199
180970073	2013	5	4	16	V	0.03	0	5.36	198
180970073	2013	5	4	17	V	0.03	0	3.78	206
180970073	2013	5	4	18	V	0.1	0	4.17	218
180970073	2013	5	4	19	V	6.8	7.4	3.8	240
180970073	2013	5	4	20	V	0.04	13.6	3.52	277
180970073	2013	5	4	21	V	0.08	0	2.11	321
180970073	2013	5	4	22	V	0.3	0	1.38	326
180970073	2013	5	4	23	V	4.6	0	1.65	244
180970073	2013	5	4	24	V	0.06	0	2.22	194
180970073	2013	5	5	1	V	9.9	0	1.91	250
180970073	2013	5	5	2	V	0.07	0	2.22	306
180970073	2013	5	5	3	V	0.05	0	2.49	322
180970073	2013	5	5	4	V	0.05	0	3.95	337

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	5	5	V	0.06	0	2.55	8
180970073	2013	5	5	6	V	0.2	0	3.07	31
180970073	2013	5	5	7	V	0.09	0	4.36	29
180970073	2013	5	5	8	V	0.1	0	3.92	45
180970073	2013	5	5	9	V	0.06	0	4.54	74
180970073	2013	5	5	10	V	0.05	0	4.71	84
180970073	2013	5	5	11	V	0.03	0	5.56	70
180970073	2013	5	5	12	V	0.02	0	6.11	81
180970073	2013	5	5	13	V	0.03	0	5.85	73
180970073	2013	5	5	14	V	0.02	0	6.38	82
180970073	2013	5	5	15	V	0.02	0	6.69	90
180970073	2013	5	5	16	V	0.02	0	6.18	93
180970073	2013	5	5	17	V	0.01	0	5.28	84
180970073	2013	5	5	18	V	0.04	0	5.75	83
180970073	2013	5	5	19	V	0.04	0	5.31	78
180970073	2013	5	5	20	V	0.04	0	3.76	82
180970073	2013	5	5	21	V	0.04	0	3.98	82
180970073	2013	5	5	22	V	0.05	0	3.66	80
180970073	2013	5	5	23	V	0.04	0	3.85	35
180970073	2013	5	5	24	V	0.07	0	1.89	72
180970073	2013	5	6	1	V	0.06	0	2.08	61
180970073	2013	5	6	2	V	0.04	0	2.9	67
180970073	2013	5	6	3	V	0.04	0	2.66	34
180970073	2013	5	6	4	V	0.04	0	3.64	42
180970073	2013	5	6	5	V	0.05	0	4.14	58
180970073	2013	5	6	6	V	0.1	0	3.61	64
180970073	2013	5	6	7	V	0.2	0	3.3	59
180970073	2013	5	6	8	V	0.2	0	3.83	61
180970073	2013	5	6	9	V	0.09	0	4.36	67
180970073	2013	5	6	10	V	0.07	0	4.68	66
180970073	2013	5	6	11	V	0.04	0	5.41	61
180970073	2013	5	6	12	V	0.02	0	6.21	78
180970073	2013	5	6	13	V	0.02	0	6.41	78
180970073	2013	5	6	14	V	0.03	0	6.16	85
180970073	2013	5	6	15	V	0.02	0	6.77	89
180970073	2013	5	6	16	V	0.02	0	6.23	92
180970073	2013	5	6	17	V	0.02	0	5.8	82
180970073	2013	5	6	18	V	0.04	0	4.82	82
180970073	2013	5	6	19	V	0.04	0	5.96	81
180970073	2013	5	6	20	V	0.04	0	4.8	72
180970073	2013	5	6	21	V	0.04	0	4.03	77
180970073	2013	5	6	22	V	0.05	0	2.59	97
180970073	2013	5	6	23	V	0.08	0	2.08	95
180970073	2013	5	6	24	V	0.05	0	2.76	83
180970073	2013	5	7	1	V	0.08	0	1.99	64
180970073	2013	5	7	2	V	0.1	0	1.93	16

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	7	3	V	0.04	0	2.72	50
180970073	2013	5	7	4	V	0.05	0	2.25	37
180970073	2013	5	7	5	V	0.1	0	1.71	40
180970073	2013	5	7	6	V	1.8	0	1.13	40
180970073	2013	5	7	7	V	2.2	0	1.11	35
180970073	2013	5	7	8	V	0.2	0	3.63	84
180970073	2013	5	7	9	V	0.3	0	2.61	71
180970073	2013	5	7	10	V	0.2	0	2.79	68
180970073	2013	5	7	11	V	0.1	0	3.25	39
180970073	2013	5	7	12	V	0.05	0	4.27	61
180970073	2013	5	7	13	V	0.05	0	4.05	52
180970073	2013	5	7	14	V	0.07	0	3.37	62
180970073	2013	5	7	15	V	0.06	0	3.57	67
180970073	2013	5	7	16	V	0.07	0	2.86	61
180970073	2013	5	7	17	V	0.04	0	3.17	47
180970073	2013	5	7	18	V	0.06	0	2.2	89
180970073	2013	5	7	19	V	0.05	0	2.79	8
180970073	2013	5	7	20	V	0.1	0	1.91	359
180970073	2013	5	7	21	V	0.1	0	1.94	333
180970073	2013	5	7	22	V	0.05	0	4.02	23
180970073	2013	5	7	23	V	0.06	0	2.13	92
180970073	2013	5	7	24	V	0.2	0	1.43	341
180970073	2013	5	8	1	V	0.6	0	1.06	333
180970073	2013	5	8	2	V	1.7	0	0.65	81
180970073	2013	5	8	3	V	0.1	0	1.74	356
180970073	2013	5	8	4	V	0.1	0	1.93	355
180970073	2013	5	8	5	V	0.08	0	2.45	27
180970073	2013	5	8	6	V	0.7	0	1.84	359
180970073	2013	5	8	7	V	1.4	0	1.52	16
180970073	2013	5	8	8	V	1.8	0	1.47	339
180970073	2013	5	8	9	V	1.1	0	1.65	311
180970073	2013	5	8	10	V	0.5	0	2.08	308
180970073	2013	5	8	11	V	0.2	0	2.81	305
180970073	2013	5	8	12	V	0.5	0	2.08	289
180970073	2013	5	8	13	V	0.2	0	2.78	288
180970073	2013	5	8	14	V	0.2	0	2.89	278
180970073	2013	5	8	15	V	1.3	0	3.34	254
180970073	2013	5	8	16	V	0.2	0	3.05	275
180970073	2013	5	8	17	V	0.07	0	2.32	288
180970073	2013	5	8	18	V	0.07	0	4.92	269
180970073	2013	5	8	19	V	0.04	0.8	2.98	278
180970073	2013	5	8	20	V	38.2	0.8	2.32	234
180970073	2013	5	8	21	V	0.05	0.7	2.71	209
180970073	2013	5	8	22	V	0.05	0.3	2.56	192
180970073	2013	5	8	23	V	0.04	0	3.98	132
180970073	2013	5	8	24	V	0.04	0	3.81	146

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	9	1	V	0.05	0	2.79	155
180970073	2013	5	9	2	V	0.06	0	2.23	149
180970073	2013	5	9	3	C	-999	0	0	0
180970073	2013	5	9	4	V	0.07	0	2.3	201
180970073	2013	5	9	5	V	0.1	0	1.96	194
180970073	2013	5	9	6	V	0.5	0	2.45	205
180970073	2013	5	9	7	V	2.4	0	2.52	213
180970073	2013	5	9	8	V	6.2	4.4	2.45	218
180970073	2013	5	9	9	V	8.4	11.1	1.93	222
180970073	2013	5	9	10	V	10.3	12	2.44	235
180970073	2013	5	9	11	V	5.7	7.8	3.69	244
180970073	2013	5	9	12	V	7.4	12.5	4.51	231
180970073	2013	5	9	13	V	6.5	8.9	4.76	236
180970073	2013	5	9	14	V	0.02	3.7	4.9	299
180970073	2013	5	9	15	V	0.04	0.3	3.42	360
180970073	2013	5	9	16	V	0.08	0	2.2	331
180970073	2013	5	9	17	V	3.6	0	4.94	227
180970073	2013	5	9	18	V	0.05	3.6	2.47	90
180970073	2013	5	9	19	V	0.05	0.5	3.35	94
180970073	2013	5	9	20	V	0.05	0	4.19	120
180970073	2013	5	9	21	V	0.05	0	3.63	127
180970073	2013	5	9	22	V	0.05	0	2.71	119
180970073	2013	5	9	23	V	0.05	0	4.36	160
180970073	2013	5	9	24	V	0.04	0	3.85	175
180970073	2013	5	10	1	V	0.03	0	4.42	179
180970073	2013	5	10	2	V	0.03	0	4.17	187
180970073	2013	5	10	3	V	0.03	0.3	3.22	196
180970073	2013	5	10	4	V	0.03	0	2.84	217
180970073	2013	5	10	5	V	0.04	0	3.66	200
180970073	2013	5	10	6	V	0.3	0	3.03	211
180970073	2013	5	10	7	V	4.1	0	2.54	217
180970073	2013	5	10	8	V	2.3	0	2.74	215
180970073	2013	5	10	9	V	17.0	13.2	4.54	235
180970073	2013	5	10	10	V	3.5	11	4.14	248
180970073	2013	5	10	11	V	16.8	21.3	4.22	235
180970073	2013	5	10	12	V	3.5	9.7	3.58	251
180970073	2013	5	10	13	V	14.6	2.7	3.74	229
180970073	2013	5	10	14	V	9.6	1.8	3.63	240
180970073	2013	5	10	15	V	1.6	3.2	3.47	259
180970073	2013	5	10	16	V	3.8	1.9	3.73	247
180970073	2013	5	10	17	V	2.5	6.9	4.75	243
180970073	2013	5	10	18	V	0.05	2.4	3.64	320
180970073	2013	5	10	19	V	0.04	0	5.72	318
180970073	2013	5	10	20	V	0.03	0	6.43	327
180970073	2013	5	10	21	V	0.04	0	5.63	319
180970073	2013	5	10	22	V	0.04	0	5.65	326

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	10	23	V	0.04	0	5.26	334
180970073	2013	5	10	24	V	0.04	0	4.58	327
180970073	2013	5	11	1	V	0.04	0	4.22	312
180970073	2013	5	11	2	V	0.04	0	4.76	309
180970073	2013	5	11	3	V	0.03	0	4.99	305
180970073	2013	5	11	4	V	0.03	0	5.05	300
180970073	2013	5	11	5	V	0.05	0	4.17	296
180970073	2013	5	11	6	V	0.06	0	4.63	315
180970073	2013	5	11	7	V	0.1	0	3.83	315
180970073	2013	5	11	8	V	0.06	0	4.34	309
180970073	2013	5	11	9	V	0.08	0	3.83	299
180970073	2013	5	11	10	V	0.06	0	4.31	288
180970073	2013	5	11	11	V	0.07	0	4.1	280
180970073	2013	5	11	12	V	2.0	0	3.86	259
180970073	2013	5	11	13	V	3.7	0	4.54	249
180970073	2013	5	11	14	V	17.7	0.9	5.14	231
180970073	2013	5	11	15	V	4.0	5.6	5.77	242
180970073	2013	5	11	16	V	2.3	1.7	6.58	253
180970073	2013	5	11	17	V	1.7	3	8.06	249
180970073	2013	5	11	18	V	0.02	0	9.27	283
180970073	2013	5	11	19	V	0.02	0	9.85	299
180970073	2013	5	11	20	V	0.02	0	7.84	299
180970073	2013	5	11	21	V	0.03	0	7.69	306
180970073	2013	5	11	22	V	0.03	0	5.72	317
180970073	2013	5	11	23	V	0.03	0	3.52	317
180970073	2013	5	11	24	V	0.05	0	2.76	299
180970073	2013	5	12	1	V	0.04	0	2.91	280
180970073	2013	5	12	2	V	0.02	0	3.83	276
180970073	2013	5	12	3	V	0.02	-999	3.81	281
180970073	2013	5	12	4	V	0.02	-999	3.69	272
180970073	2013	5	12	5	V	0.04	-999	3.93	279
180970073	2013	5	12	6	V	0.1	-999	3.54	279
180970073	2013	5	12	7	V	0.1	-999	3.95	289
180970073	2013	5	12	8	V	0.05	-999	5.31	310
180970073	2013	5	12	9	V	0.03	-999	5.68	312
180970073	2013	5	12	10	V	0.02	-999	6.77	312
180970073	2013	5	12	11	V	0.02	0	6.89	303
180970073	2013	5	12	12	V	0.01	0	7.47	299
180970073	2013	5	12	13	V	0.01	0	7.26	290
180970073	2013	5	12	14	V	0.02	0	6.58	292
180970073	2013	5	12	15	V	0.01	0	7.35	293
180970073	2013	5	12	16	V	0.01	0	7.26	292
180970073	2013	5	12	17	V	0.01	0	6.53	292
180970073	2013	5	12	18	V	0.03	0	5.51	288
180970073	2013	5	12	19	V	0.03	0	5.68	290
180970073	2013	5	12	20	V	0.05	0	3.66	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	12	21	V	2.7	0	3.3	245
180970073	2013	5	12	22	V	4.8	0	3.35	256
180970073	2013	5	12	23	V	3.0	0	3.29	257
180970073	2013	5	12	24	V	3.9	0	3.59	246
180970073	2013	5	13	1	V	0.04	0	2.59	279
180970073	2013	5	13	2	V	0.1	-999	1.65	294
180970073	2013	5	13	3	V	2.1	-999	1.67	260
180970073	2013	5	13	4	V	12.4	-999	2.78	237
180970073	2013	5	13	5	V	4.3	-999	2.86	253
180970073	2013	5	13	6	V	5.7	-999	2.08	258
180970073	2013	5	13	7	V	10.8	-999	2.71	249
180970073	2013	5	13	8	V	2.8	-999	2.69	263
180970073	2013	5	13	9	V	0.1	-999	3.86	283
180970073	2013	5	13	10	V	0.04	-999	5.44	301
180970073	2013	5	13	11	V	0.03	0	5.55	296
180970073	2013	5	13	12	V	0.02	0	6.11	302
180970073	2013	5	13	13	V	0.01	0	7.01	295
180970073	2013	5	13	14	V	0.02	0	5.94	293
180970073	2013	5	13	15	V	0.02	0	6.18	302
180970073	2013	5	13	16	V	0.02	0	5	289
180970073	2013	5	13	17	V	0.02	0	5.02	293
180970073	2013	5	13	18	V	0.04	0	4.8	273
180970073	2013	5	13	19	V	0.06	0	4.14	268
180970073	2013	5	13	20	V	0.05	0	2.64	269
180970073	2013	5	13	21	V	0.1	0	2.13	214
180970073	2013	5	13	22	V	0.05	0	2.86	189
180970073	2013	5	13	23	V	0.04	-999	3.32	191
180970073	2013	5	13	24	V	0.04	-999	3.9	191
180970073	2013	5	14	1	V	0.03	0	3.05	215
180970073	2013	5	14	2	V	0.03	0	3.49	198
180970073	2013	5	14	3	V	0.03	0	3.69	198
180970073	2013	5	14	4	V	0.03	0	4.15	187
180970073	2013	5	14	5	V	0.07	0	3.97	181
180970073	2013	5	14	6	V	0.08	0	4.44	175
180970073	2013	5	14	7	V	0.07	0	5	175
180970073	2013	5	14	8	V	0.07	0	5.1	175
180970073	2013	5	14	9	V	0.03	0	6.33	179
180970073	2013	5	14	10	V	0.02	0	7.52	183
180970073	2013	5	14	11	V	0.01	0	8.1	194
180970073	2013	5	14	12	V	0.02	0	7.52	198
180970073	2013	5	14	13	V	0.02	0	7.47	201
180970073	2013	5	14	14	V	0.01	0	8.73	210
180970073	2013	5	14	15	V	0.7	0.5	8.88	224
180970073	2013	5	14	16	V	3.1	3.4	9.98	232
180970073	2013	5	14	17	V	2.3	5.1	9.17	237
180970073	2013	5	14	18	V	6.9	3.4	8.47	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	14	19	V	12.6	12.7	7.33	232
180970073	2013	5	14	20	V	0.2	14	3.9	222
180970073	2013	5	14	21	V	0.03	5.6	2.66	182
180970073	2013	5	14	22	V	0.02	2.6	4.29	179
180970073	2013	5	14	23	V	0.02	1.5	5.55	204
180970073	2013	5	14	24	V	0.02	4.1	5.6	208
180970073	2013	5	15	1	V	0.02	2.9	5.82	216
180970073	2013	5	15	2	V	7.5	5.2	7.3	232
180970073	2013	5	15	3	V	8.8	11.8	5.72	234
180970073	2013	5	15	4	V	8.1	13.4	6.53	232
180970073	2013	5	15	5	V	3.8	11.1	6.5	234
180970073	2013	5	15	6	V	5.2	0.6	6.77	233
180970073	2013	5	15	7	V	3.8	0.5	7.5	236
180970073	2013	5	15	8	V	0.9	2.3	9.29	246
180970073	2013	5	15	9	V	1.2	6.9	10.53	250
180970073	2013	5	15	10	V	1.2	4.4	9.95	251
180970073	2013	5	15	11	V	0.9	1.4	9.12	256
180970073	2013	5	15	12	V	1.2	1.2	8.69	249
180970073	2013	5	15	13	V	2.2	1.6	7.84	239
180970073	2013	5	15	14	V	3.6	2	8.56	233
180970073	2013	5	15	15	V	0.9	0.1	8.42	245
180970073	2013	5	15	16	V	0.8	0	8.32	243
180970073	2013	5	15	17	V	0.7	0.8	8.35	244
180970073	2013	5	15	18	V	4.3	0.6	8.11	247
180970073	2013	5	15	19	V	11.8	2.4	8.3	233
180970073	2013	5	15	20	V	10.9	2.4	6.6	230
180970073	2013	5	15	21	V	0.03	9.1	4.48	217
180970073	2013	5	15	22	V	0.02	5.7	4.71	213
180970073	2013	5	15	23	V	13.8	7	6.31	232
180970073	2013	5	15	24	V	13.5	0	4.44	235
180970073	2013	5	16	1	V	5.6	8.5	3.59	227
180970073	2013	5	16	2	V	8.0	5.8	3.39	228
180970073	2013	5	16	3	V	7.4	3.4	2.95	238
180970073	2013	5	16	4	V	0.05	2.5	3.1	219
180970073	2013	5	16	5	V	14.2	11.9	2.67	233
180970073	2013	5	16	6	V	11.5	6.8	3.59	240
180970073	2013	5	16	7	V	19.1	4	2.72	240
180970073	2013	5	16	8	V	16.1	4.9	2.76	241
180970073	2013	5	16	9	V	16.6	2	3.63	235
180970073	2013	5	16	10	V	12.0	0.3	3.01	238
180970073	2013	5	16	11	V	8.6	0	1.93	234
180970073	2013	5	16	12	V	1.0	4.2	4.39	217
180970073	2013	5	16	13	V	0.5	10.7	7.54	221
180970073	2013	5	16	14	V	4.0	5.3	7.04	232
180970073	2013	5	16	15	V	4.4	6.6	4.94	232
180970073	2013	5	16	16	V	3.3	8	4.63	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	16	17	V	3.5	3.7	4.53	227
180970073	2013	5	16	18	V	0.04	15	3.85	213
180970073	2013	5	16	19	V	0.03	10.6	4.51	205
180970073	2013	5	16	20	V	0.03	0.9	4.19	207
180970073	2013	5	16	21	V	0.03	0.2	4.31	210
180970073	2013	5	16	22	V	0.03	0	3.37	208
180970073	2013	5	16	23	V	0.04	3.4	2.88	220
180970073	2013	5	16	24	V	6.8	14.4	1.26	256
180970073	2013	5	17	1	V	0.7	3.7	0.87	303
180970073	2013	5	17	2	V	0.2	0.5	1.45	173
180970073	2013	5	17	3	V	0.04	0	2.35	164
180970073	2013	5	17	4	V	0.04	0	2.42	176
180970073	2013	5	17	5	V	0.2	0	1.7	189
180970073	2013	5	17	6	V	0.8	0	1.3	128
180970073	2013	5	17	7	V	0.5	0	2.25	123
180970073	2013	5	17	8	V	3.2	1.6	0.91	199
180970073	2013	5	17	9	V	0.4	1.3	1.89	178
180970073	2013	5	17	10	V	0.3	2.9	2.25	125
180970073	2013	5	17	11	V	0.2	2.2	2.84	155
180970073	2013	5	17	12	V	0.08	0.1	3.64	155
180970073	2013	5	17	13	V	0.08	0	3.46	142
180970073	2013	5	17	14	V	0.07	0	3.51	156
180970073	2013	5	17	15	V	5.9	1.4	4.17	229
180970073	2013	5	17	16	V	0.08	23.5	2.18	145
180970073	2013	5	17	17	V	0.02	0.6	4.53	144
180970073	2013	5	17	18	V	0.05	0	4.46	141
180970073	2013	5	17	19	V	0.05	0	3.12	134
180970073	2013	5	17	20	V	0.05	0	2.39	132
180970073	2013	5	17	21	V	0.05	0	2.93	147
180970073	2013	5	17	22	V	0.05	0	2.38	125
180970073	2013	5	17	23	V	0.05	0	2.49	110
180970073	2013	5	17	24	V	0.05	0	2.9	117
180970073	2013	5	18	1	V	0.05	0	2.49	102
180970073	2013	5	18	2	V	0.06	0	2.3	108
180970073	2013	5	18	3	V	0.1	0	1.77	103
180970073	2013	5	18	4	V	0.1	0	1.74	88
180970073	2013	5	18	5	V	0.2	0	2.03	92
180970073	2013	5	18	6	V	0.4	0	2.25	76
180970073	2013	5	18	7	V	0.3	0	2.64	63
180970073	2013	5	18	8	V	0.3	0	2.86	59
180970073	2013	5	18	9	V	0.2	0	3.4	75
180970073	2013	5	18	10	V	0.3	0	3.2	92
180970073	2013	5	18	11	V	0.4	0	2.23	64
180970073	2013	5	18	12	V	0.2	0	2.83	74
180970073	2013	5	18	13	V	0.2	0	2.64	57
180970073	2013	5	18	14	V	0.1	0	3.15	65

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	18	15	V	0.1	0	2.81	77
180970073	2013	5	18	16	V	0.05	0	3.81	94
180970073	2013	5	18	17	V	0.09	0	3.13	98
180970073	2013	5	18	18	V	0.05	0	2.67	100
180970073	2013	5	18	19	V	0.04	0	3.83	57
180970073	2013	5	18	20	V	0.05	0	3.81	147
180970073	2013	5	18	21	V	0.1	0	1.53	129
180970073	2013	5	18	22	V	0.1	0	1.89	97
180970073	2013	5	18	23	V	0.05	-999	2.64	128
180970073	2013	5	18	24	V	0.04	0	2.81	125
180970073	2013	5	19	1	V	0.09	0	1.87	116
180970073	2013	5	19	2	V	0.05	0	2.47	104
180970073	2013	5	19	3	V	0.3	0	1.26	190
180970073	2013	5	19	4	V	0.06	0	2.16	117
180970073	2013	5	19	5	V	0.4	0	1.76	151
180970073	2013	5	19	6	V	0.6	0	1.74	124
180970073	2013	5	19	7	V	0.6	0	1.94	97
180970073	2013	5	19	8	V	0.5	0	2.3	168
180970073	2013	5	19	9	V	1.7	2.1	1.57	200
180970073	2013	5	19	10	V	1.6	0	1.43	198
180970073	2013	5	19	11	V	1.1	0	1.67	193
180970073	2013	5	19	12	V	0.2	0	2.79	131
180970073	2013	5	19	13	V	0.1	0	3.42	140
180970073	2013	5	19	14	V	0.06	0	4.09	114
180970073	2013	5	19	15	V	0.06	0	4.05	177
180970073	2013	5	19	16	V	0.09	0	3.12	164
180970073	2013	5	19	17	V	0.05	0	3.34	172
180970073	2013	5	19	18	V	0.05	0	4.53	139
180970073	2013	5	19	19	V	0.04	0	4.83	139
180970073	2013	5	19	20	V	0.04	0	3.76	141
180970073	2013	5	19	21	V	0.04	0	3.8	156
180970073	2013	5	19	22	V	0.04	0	3.57	148
180970073	2013	5	19	23	V	0.04	0	4.29	146
180970073	2013	5	19	24	V	0.05	0	4.36	154
180970073	2013	5	20	1	V	0.04	0	4.99	166
180970073	2013	5	20	2	V	0.03	0	4.83	169
180970073	2013	5	20	3	V	0.03	0	3.97	170
180970073	2013	5	20	4	V	0.03	0	3.8	178
180970073	2013	5	20	5	V	0.08	0	4.39	166
180970073	2013	5	20	6	V	0.06	0	5.04	170
180970073	2013	5	20	7	V	0.1	0	4.31	194
180970073	2013	5	20	8	V	0.09	0	4.71	204
180970073	2013	5	20	9	V	0.08	0	4.95	195
180970073	2013	5	20	10	V	0.03	0	5.94	204
180970073	2013	5	20	11	V	0.3	0.6	6.21	217
180970073	2013	5	20	12	V	0.03	0.6	6.48	197

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	20	13	V	0.02	0	7.62	189
180970073	2013	5	20	14	V	0.01	0	7.89	190
180970073	2013	5	20	15	V	0.01	0	7.88	193
180970073	2013	5	20	16	V	0.01	0	7.91	203
180970073	2013	5	20	17	V	0.01	0	7.33	202
180970073	2013	5	20	18	V	0.05	0	6.99	192
180970073	2013	5	20	19	V	0.04	0	6.3	185
180970073	2013	5	20	20	V	0.04	0	6.06	174
180970073	2013	5	20	21	V	0.04	0	5.39	168
180970073	2013	5	20	22	V	0.04	0	5.67	170
180970073	2013	5	20	23	V	0.04	0	6.31	169
180970073	2013	5	20	24	V	0.04	0	6.82	184
180970073	2013	5	21	1	V	0.04	0	7.52	191
180970073	2013	5	21	2	V	0.04	0	7.84	187
180970073	2013	5	21	3	V	4.6	0	8.88	254
180970073	2013	5	21	4	V	0.04	0	3.41	208
180970073	2013	5	21	5	V	0.05	0	4.9	162
180970073	2013	5	21	6	V	0.08	0	4.63	190
180970073	2013	5	21	7	V	0.04	0	5.92	204
180970073	2013	5	21	8	V	0.05	0	5.46	148
180970073	2013	5	21	9	V	0.05	0	5.5	179
180970073	2013	5	21	10	V	0.04	0	6.3	184
180970073	2013	5	21	11	V	0.02	0	7.15	203
180970073	2013	5	21	12	V	0.03	0	7.08	211
180970073	2013	5	21	13	V	4.6	1.5	7.52	226
180970073	2013	5	21	14	V	0.04	4.1	7.35	214
180970073	2013	5	21	15	V	0.01	0.6	8.35	206
180970073	2013	5	21	16	V	0.01	0	9.2	211
180970073	2013	5	21	17	V	0.06	0	8.54	219
180970073	2013	5	21	18	V	0.05	0	5.97	204
180970073	2013	5	21	19	V	0.04	0	5.82	179
180970073	2013	5	21	20	V	0.04	0	6.11	185
180970073	2013	5	21	21	V	0.04	0	4.82	187
180970073	2013	5	21	22	V	0.04	0	3.78	194
180970073	2013	5	21	23	V	0.05	0	4.12	186
180970073	2013	5	21	24	V	0.05	0	4.44	188
180970073	2013	5	22	1	V	0.05	0	4.41	162
180970073	2013	5	22	2	V	0.04	0	5.09	207
180970073	2013	5	22	3	V	0.03	0	5.73	195
180970073	2013	5	22	4	V	0.03	0	5.65	186
180970073	2013	5	22	5	V	0.02	0	6.01	170
180970073	2013	5	22	6	V	0.03	0	5.96	195
180970073	2013	5	22	7	V	0.06	0	5.16	201
180970073	2013	5	22	8	V	0.09	0	4.7	196
180970073	2013	5	22	9	V	0.05	0	5.5	161
180970073	2013	5	22	10	V	0.02	0	7.13	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	22	11	V	0.01	0	8.23	200
180970073	2013	5	22	12	V	0.01	0	8.16	210
180970073	2013	5	22	13	V	0.02	0	8	209
180970073	2013	5	22	14	V	0.01	0.3	8.15	198
180970073	2013	5	22	15	V	0.02	0	7.25	204
180970073	2013	5	22	16	V	0.01	0	7.3	210
180970073	2013	5	22	17	V	1.3	0	6.16	245
180970073	2013	5	22	18	V	11.8	0	4.95	240
180970073	2013	5	22	19	V	21.4	0	3.12	237
180970073	2013	5	22	20	V	51.6	4.9	2.71	233
180970073	2013	5	22	21	V	0.5	2.9	4.59	263
180970073	2013	5	22	22	V	2.1	0	3.22	242
180970073	2013	5	22	23	V	4.2	0	3.18	241
180970073	2013	5	22	24	V	0.03	0	4.46	278
180970073	2013	5	23	1	V	34.2	0	2.95	232
180970073	2013	5	23	2	V	1.9	0	3.42	225
180970073	2013	5	23	3	V	3.5	0	3.35	241
180970073	2013	5	23	4	V	4.5	0	4	246
180970073	2013	5	23	5	V	3.0	0	4.82	255
180970073	2013	5	23	6	V	1.8	0	4.31	258
180970073	2013	5	23	7	V	3.3	0	3.88	250
180970073	2013	5	23	8	V	2.5	0	5.38	253
180970073	2013	5	23	9	V	1.5	0	5.63	257
180970073	2013	5	23	10	V	0.03	0	5.7	272
180970073	2013	5	23	11	V	0.03	0	5.39	273
180970073	2013	5	23	12	V	0.04	0	5.09	272
180970073	2013	5	23	13	V	0.03	0	6.04	277
180970073	2013	5	23	14	V	0.02	0	6.8	302
180970073	2013	5	23	15	V	0.01	0	7.08	314
180970073	2013	5	23	16	V	0.01	0	7.69	316
180970073	2013	5	23	17	V	0.01	0	8.39	319
180970073	2013	5	23	18	V	0.04	0	7.81	328
180970073	2013	5	23	19	V	0.04	0	8.1	328
180970073	2013	5	23	20	V	0.04	0	8	335
180970073	2013	5	23	21	V	0.04	0	7.42	334
180970073	2013	5	23	22	V	0.04	0	7.21	336
180970073	2013	5	23	23	V	0.04	0	7.33	337
180970073	2013	5	23	24	V	0.04	0	6.02	339
180970073	2013	5	24	1	V	0.03	0	5.04	338
180970073	2013	5	24	2	V	0.04	0	4.02	352
180970073	2013	5	24	3	V	0.03	0	3.18	345
180970073	2013	5	24	4	V	0.03	0	4.15	332
180970073	2013	5	24	5	V	0.06	0	4.51	336
180970073	2013	5	24	6	V	0.07	0	4.29	345
180970073	2013	5	24	7	V	0.09	0	4.44	335
180970073	2013	5	24	8	V	0.2	0	3.83	339

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	24	9	V	0.2	0	3.69	355
180970073	2013	5	24	10	V	0.1	0	4.1	341
180970073	2013	5	24	11	V	0.1	0	4.29	330
180970073	2013	5	24	12	V	0.1	0	4.37	346
180970073	2013	5	24	13	V	0.1	0	4.22	344
180970073	2013	5	24	14	V	0.2	0	3.3	358
180970073	2013	5	24	15	V	0.1	0	3.63	333
180970073	2013	5	24	16	V	0.09	0	3.49	347
180970073	2013	5	24	17	V	0.06	0	3.66	327
180970073	2013	5	24	18	V	0.05	0	2.66	5
180970073	2013	5	24	19	V	0.08	0	2.28	30
180970073	2013	5	24	20	V	0.1	0	1.89	29
180970073	2013	5	24	21	V	0.2	0	1.59	350
180970073	2013	5	24	22	V	0.5	0	1.18	359
180970073	2013	5	24	23	V	0.8	0	0.96	39
180970073	2013	5	24	24	V	0.08	0	2.32	326
180970073	2013	5	25	1	V	0.03	0	3.27	6
180970073	2013	5	25	2	V	0.03	0	2.98	355
180970073	2013	5	25	3	V	0.05	0	2.45	22
180970073	2013	5	25	4	V	0.03	0	3.4	32
180970073	2013	5	25	5	V	0.2	0	2.52	29
180970073	2013	5	25	6	V	0.3	0	2.25	34
180970073	2013	5	25	7	V	0.4	0	2.13	18
180970073	2013	5	25	8	V	0.4	0	2.23	17
180970073	2013	5	25	9	V	0.7	0	2.04	61
180970073	2013	5	25	10	V	35.1	0	1.6	236
180970073	2013	5	25	11	V	1.3	0	1.57	193
180970073	2013	5	25	12	V	3.4	0	0.92	341
180970073	2013	5	25	13	V	3.2	2.2	1.72	268
180970073	2013	5	25	14	V	0.6	31.9	3.49	269
180970073	2013	5	25	15	V	0.3	0.3	3.24	275
180970073	2013	5	25	16	V	0.6	0	1.93	285
180970073	2013	5	25	17	V	1.2	0	1.16	328
180970073	2013	5	25	18	V	0.05	0	2.67	199
180970073	2013	5	25	19	V	17.6	0.7	4.48	237
180970073	2013	5	25	20	V	0.04	0.6	3.44	283
180970073	2013	5	25	21	V	0.05	0	3.08	275
180970073	2013	5	25	22	V	0.04	0	3.81	279
180970073	2013	5	25	23	V	0.04	-999	3.13	288
180970073	2013	5	25	24	V	0.04	0	2.5	279
180970073	2013	5	26	1	V	0.1	0	1.55	280
180970073	2013	5	26	2	V	0.06	0	2.01	69
180970073	2013	5	26	3	V	0.03	0	3.07	50
180970073	2013	5	26	4	V	0.04	0	2.73	46
180970073	2013	5	26	5	V	0.1	0	2.18	54
180970073	2013	5	26	6	V	0.4	0	2.06	83

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	26	7	V	0.4	0	2.35	111
180970073	2013	5	26	8	V	0.3	0	2.66	116
180970073	2013	5	26	9	V	0.2	0	3.17	113
180970073	2013	5	26	10	V	0.1	0	3.66	118
180970073	2013	5	26	11	V	0.1	0	3.64	134
180970073	2013	5	26	12	V	0.1	0	3.95	123
180970073	2013	5	26	13	V	0.1	0	3.52	128
180970073	2013	5	26	14	V	0.3	0	2.45	155
180970073	2013	5	26	15	V	0.3	0	2.16	162
180970073	2013	5	26	16	V	0.1	0	3.46	137
180970073	2013	5	26	17	V	0.04	0	4.6	122
180970073	2013	5	26	18	V	0.05	0	3.54	144
180970073	2013	5	26	19	V	0.05	0	3.93	163
180970073	2013	5	26	20	V	0.05	0	3.41	161
180970073	2013	5	26	21	V	0.05	0	3.69	137
180970073	2013	5	26	22	V	0.04	0	3.63	121
180970073	2013	5	26	23	V	0.04	0	3.9	60
180970073	2013	5	26	24	V	0.04	0	4.9	81
180970073	2013	5	27	1	V	0.04	0	4.05	99
180970073	2013	5	27	2	V	0.03	0	6.5	123
180970073	2013	5	27	3	V	0.03	0	6.28	107
180970073	2013	5	27	4	V	0.03	0	5.67	115
180970073	2013	5	27	5	V	0.03	0	4.92	109
180970073	2013	5	27	6	V	0.03	0	5.14	115
180970073	2013	5	27	7	V	0.07	0	4.58	117
180970073	2013	5	27	8	V	0.08	0	4.75	117
180970073	2013	5	27	9	V	0.02	0	6.86	123
180970073	2013	5	27	10	V	0.02	0	6.36	129
180970073	2013	5	27	11	V	0.03	0	5.85	137
180970073	2013	5	27	12	V	0.05	0	5.7	138
180970073	2013	5	27	13	V	0.04	0	5.36	152
180970073	2013	5	27	14	V	0.03	0	5.72	158
180970073	2013	5	27	15	V	0.02	0	6.82	182
180970073	2013	5	27	16	V	0.01	0	7.11	209
180970073	2013	5	27	17	V	0.01	0	7.13	210
180970073	2013	5	27	18	V	0.05	0	6.65	192
180970073	2013	5	27	19	V	0.04	0	6.55	201
180970073	2013	5	27	20	V	0.04	0	5.16	279
180970073	2013	5	27	21	V	40.1	0	2.67	234
180970073	2013	5	27	22	V	5.8	0	2.76	240
180970073	2013	5	27	23	V	0.06	0	2.15	208
180970073	2013	5	27	24	V	0.04	0	3.22	218
180970073	2013	5	28	1	V	0.03	0	3.69	211
180970073	2013	5	28	2	V	0.03	0	2.83	199
180970073	2013	5	28	3	V	0.03	0	3.2	175
180970073	2013	5	28	4	V	0.03	0	3.9	179

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	28	5	V	0.05	0	4.61	193
180970073	2013	5	28	6	V	0.2	0	3.66	189
180970073	2013	5	28	7	V	0.2	0	4.02	196
180970073	2013	5	28	8	V	0.05	0	5.44	198
180970073	2013	5	28	9	V	0.03	0	5.94	188
180970073	2013	5	28	10	V	0.02	0	6.91	194
180970073	2013	5	28	11	V	0.01	0	7.91	200
180970073	2013	5	28	12	V	0.01	0	9.03	210
180970073	2013	5	28	13	V	0.01	0	10.22	201
180970073	2013	5	28	14	V	0.01	0	10.05	207
180970073	2013	5	28	15	V	0.01	0	9.71	210
180970073	2013	5	28	16	V	0.01	0	9.37	205
180970073	2013	5	28	17	V	0.01	0	8.32	206
180970073	2013	5	28	18	V	0.05	0	6.57	206
180970073	2013	5	28	19	V	0.04	0	5.63	206
180970073	2013	5	28	20	V	0.04	0	5.27	201
180970073	2013	5	28	21	V	0.04	0	4.82	184
180970073	2013	5	28	22	V	0.03	0	5.09	187
180970073	2013	5	28	23	V	0.04	0	5.07	195
180970073	2013	5	28	24	V	0.03	0	5.17	178
180970073	2013	5	29	1	V	0.03	0	5.11	199
180970073	2013	5	29	2	V	0.03	0	4.9	183
180970073	2013	5	29	3	V	0.03	0	5.19	196
180970073	2013	5	29	4	V	0.03	0	5	208
180970073	2013	5	29	5	V	0.9	0	5.73	222
180970073	2013	5	29	6	V	2.5	0	5.89	223
180970073	2013	5	29	7	V	0.2	1.4	6.04	215
180970073	2013	5	29	8	V	0.05	4	6.35	214
180970073	2013	5	29	9	V	0.04	3.8	6.5	213
180970073	2013	5	29	10	V	0.06	2.2	8.5	217
180970073	2013	5	29	11	V	1.4	2.4	8.61	223
180970073	2013	5	29	12	V	0.02	1.7	8.67	213
180970073	2013	5	29	13	V	0.1	0.5	8.52	217
180970073	2013	5	29	14	V	0.01	0	8.88	211
180970073	2013	5	29	15	V	0.03	0	7.96	214
180970073	2013	5	29	16	V	0.01	0	7.45	205
180970073	2013	5	29	17	V	0.01	0	7.04	210
180970073	2013	5	29	18	V	0.01	0	6.01	195
180970073	2013	5	29	19	V	0.04	0	5.8	178
180970073	2013	5	29	20	V	0.04	0	5.17	176
180970073	2013	5	29	21	V	0.03	0	4.22	170
180970073	2013	5	29	22	V	0.03	0	3.78	168
180970073	2013	5	29	23	V	0.03	0	5.05	166
180970073	2013	5	29	24	V	0.03	0	5.56	169
180970073	2013	5	30	1	V	0.03	0	5.02	174
180970073	2013	5	30	2	V	0.03	0	4.95	175

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	5	30	3	V	0.03	0	4.58	171
180970073	2013	5	30	4	V	0.03	0	4.76	162
180970073	2013	5	30	5	V	0.03	0	5.21	173
180970073	2013	5	30	6	V	0.02	0	6.62	183
180970073	2013	5	30	7	V	0.02	0	6.75	186
180970073	2013	5	30	8	V	0.02	0	7.09	181
180970073	2013	5	30	9	V	0.02	0	7.72	182
180970073	2013	5	30	10	V	0.02	0	7.64	182
180970073	2013	5	30	11	V	0.01	0	9.44	193
180970073	2013	5	30	12	V	0.01	0	9.41	187
180970073	2013	5	30	13	V	0.01	0	8.81	184
180970073	2013	5	30	14	V	0.01	0	9.9	184
180970073	2013	5	30	15	V	0.01	0	9.37	197
180970073	2013	5	30	16	V	0.01	0	9.54	179
180970073	2013	5	30	17	V	0.01	0	9.34	183
180970073	2013	5	30	18	V	0.05	0	7.71	186
180970073	2013	5	30	19	V	0.04	0	6.21	172
180970073	2013	5	30	20	V	0.04	0	7.26	168
180970073	2013	5	30	21	V	0.03	0	7.04	167
180970073	2013	5	30	22	V	0.03	0	6.33	169
180970073	2013	5	30	23	V	0.03	0	7.26	172
180970073	2013	5	30	24	V	0.03	0	8.46	173
180970073	2013	5	31	1	V	0.03	0.8	5.36	173
180970073	2013	5	31	2	V	0.03	0	6.46	172
180970073	2013	5	31	3	V	0.03	0	4.86	152
180970073	2013	5	31	4	V	0.03	0	6.46	161
180970073	2013	5	31	5	V	0.01	0	6.96	164
180970073	2013	5	31	6	V	8.5	0	5.96	237
180970073	2013	5	31	7	V	3.0	0	5.36	246
180970073	2013	5	31	8	V	0.2	1	3.86	179
180970073	2013	5	31	9	V	0.01	0.3	7.46	151
180970073	2013	5	31	10	V	0.04	0	4.86	152
180970073	2013	5	31	11	V	0.1	0	3.86	170
180970073	2013	5	31	12	V	0.02	0	6.46	179
180970073	2013	5	31	13	V	0.02	0	6.46	191
180970073	2013	5	31	14	V	0.02	0	6.96	205
180970073	2013	5	31	15	V	0.02	0	6.96	195
180970073	2013	5	31	16	V	0.03	0	5.36	183
180970073	2013	5	31	17	V	0.01	0	7.46	182
180970073	2013	5	31	18	V	0.05	0	6.46	184
180970073	2013	5	31	19	V	0.04	0	6.46	184
180970073	2013	5	31	20	V	0.04	0	5.36	174
180970073	2013	5	31	21	V	0.04	0	4.86	181
180970073	2013	5	31	22	V	0.04	0	6.46	195
180970073	2013	5	31	23	V	0.04	0	6.58	175
180970073	2013	5	31	24	V	0.04	0	5.92	168

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	1	1	V	0.04	0	6.33	171
180970073	2013	6	1	2	V	0.04	0	6.43	187
180970073	2013	6	1	3	V	0.04	0	4.24	301
180970073	2013	6	1	4	V	0.05	0	2.23	268
180970073	2013	6	1	5	V	0.4	0	2.47	213
180970073	2013	6	1	6	V	0.1	0	3.44	177
180970073	2013	6	1	7	V	0.02	0	6.4	140
180970073	2013	6	1	8	V	0.02	0	6.7	155
180970073	2013	6	1	9	V	0.01	0	7.64	167
180970073	2013	6	1	10	V	0.01	0	8.27	171
180970073	2013	6	1	11	V	0.01	0	8.57	209
180970073	2013	6	1	12	V	0.01	0	8.78	212
180970073	2013	6	1	13	V	0.01	0	7.74	183
180970073	2013	6	1	14	V	0.01	0	8.5	177
180970073	2013	6	1	15	V	0.04	0	5.67	201
180970073	2013	6	1	16	V	0.04	0	4.73	210
180970073	2013	6	1	17	V	0.02	0	6.01	204
180970073	2013	6	1	18	V	0.06	0	5.58	205
180970073	2013	6	1	19	V	18.5	0	7.77	229
180970073	2013	6	1	20	V	1.2	2.3	6.12	220
180970073	2013	6	1	21	V	0.04	0	5.55	211
180970073	2013	6	1	22	V	0.05	0	5.21	213
180970073	2013	6	1	23	V	0.07	-999	6.7	214
180970073	2013	6	1	24	V	10.6	0.3	6.74	226
180970073	2013	6	2	1	V	17.7	20.4	6.65	234
180970073	2013	6	2	2	V	15.2	16.9	5.85	230
180970073	2013	6	2	3	V	15.6	2	4.87	236
180970073	2013	6	2	4	V	10.6	0	4.44	228
180970073	2013	6	2	5	V	14.0	1	4.51	231
180970073	2013	6	2	6	V	13.1	1.1	4.73	234
180970073	2013	6	2	7	V	3.6	3.5	4.61	246
180970073	2013	6	2	8	V	1.6	1.9	5.1	257
180970073	2013	6	2	9	V	0.04	0	5.33	274
180970073	2013	6	2	10	V	0.02	0	5.72	279
180970073	2013	6	2	11	V	0.03	0	5	287
180970073	2013	6	2	12	V	3.4	0	2.5	252
180970073	2013	6	2	13	V	0.05	0	3.86	283
180970073	2013	6	2	14	V	4.7	0	3.22	245
180970073	2013	6	2	15	V	3.4	2.3	4.02	244
180970073	2013	6	2	16	V	0.03	0	5.46	276
180970073	2013	6	2	17	V	0.02	0	6.19	324
180970073	2013	6	2	18	V	0.06	0	5.87	330
180970073	2013	6	2	19	V	0.05	0	6.55	333
180970073	2013	6	2	20	V	0.05	0	6.21	348
180970073	2013	6	2	21	V	0.05	0	4.63	355
180970073	2013	6	2	22	V	0.04	0	4.07	360

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	2	23	V	0.04	0	3.54	353
180970073	2013	6	2	24	V	0.03	0	3.32	352
180970073	2013	6	3	1	V	0.03	0	3.61	345
180970073	2013	6	3	2	V	0.03	0	4.09	334
180970073	2013	6	3	3	V	0.03	0	3.52	338
180970073	2013	6	3	4	V	0.03	0	3.01	356
180970073	2013	6	3	5	V	0.2	0	2.47	11
180970073	2013	6	3	6	V	0.3	0	2.74	13
180970073	2013	6	3	7	V	0.2	0	3.07	13
180970073	2013	6	3	8	V	0.2	0	2.86	25
180970073	2013	6	3	9	V	0.2	0	2.91	13
180970073	2013	6	3	10	V	0.2	0	2.84	11
180970073	2013	6	3	11	V	0.3	0	2.45	5
180970073	2013	6	3	12	V	0.1	0	3.4	10
180970073	2013	6	3	13	V	0.1	0	3.17	26
180970073	2013	6	3	14	V	0.2	0	2.79	49
180970073	2013	6	3	15	V	0.5	0	1.89	6
180970073	2013	6	3	16	V	0.3	0	1.96	59
180970073	2013	6	3	17	V	0.2	0	2.04	52
180970073	2013	6	3	18	V	0.07	0	2.91	31
180970073	2013	6	3	19	V	0.04	0	2.89	24
180970073	2013	6	3	20	V	0.04	0	3.4	33
180970073	2013	6	3	21	V	0.04	0	3.63	31
180970073	2013	6	3	22	V	0.05	0	2.71	31
180970073	2013	6	3	23	V	0.05	0	2.76	15
180970073	2013	6	3	24	V	0.03	0	2.95	21
180970073	2013	6	4	1	V	0.03	0	3.23	36
180970073	2013	6	4	2	V	0.03	0	2.98	46
180970073	2013	6	4	3	V	0.03	0	3.15	39
180970073	2013	6	4	4	V	0.03	0	2.86	59
180970073	2013	6	4	5	V	0.2	0	2.84	54
180970073	2013	6	4	6	V	0.5	0	2.28	72
180970073	2013	6	4	7	V	1.0	0	1.94	40
180970073	2013	6	4	8	V	0.1	0	3.52	75
180970073	2013	6	4	9	V	0.09	0	4.15	111
180970073	2013	6	4	10	V	0.05	0	5.22	116
180970073	2013	6	4	11	V	0.05	0	5.31	96
180970073	2013	6	4	12	V	0.04	0	5.29	105
180970073	2013	6	4	13	V	0.04	0	5.16	100
180970073	2013	6	4	14	V	0.05	0	4.87	97
180970073	2013	6	4	15	V	0.06	0	4.2	90
180970073	2013	6	4	16	V	0.05	0	4.12	93
180970073	2013	6	4	17	V	0.06	0	3.58	84
180970073	2013	6	4	18	V	0.08	0	4.6	110
180970073	2013	6	4	19	V	0.05	0	3.93	115
180970073	2013	6	4	20	V	0.04	0	3.98	108

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	4	21	V	0.04	0	2.9	92
180970073	2013	6	4	22	V	0.05	0	2.81	86
180970073	2013	6	4	23	V	0.04	0	2.69	82
180970073	2013	6	4	24	V	0.04	0	2.89	86
180970073	2013	6	5	1	V	0.04	0	3.22	89
180970073	2013	6	5	2	V	0.03	0	4.75	91
180970073	2013	6	5	3	V	0.03	0	4.87	96
180970073	2013	6	5	4	V	0.03	0	3.78	100
180970073	2013	6	5	5	V	0.09	0	3.63	89
180970073	2013	6	5	6	V	0.3	0	2.81	88
180970073	2013	6	5	7	V	0.2	0	3.27	81
180970073	2013	6	5	8	V	0.2	0	3.47	75
180970073	2013	6	5	9	V	0.08	0	3.95	85
180970073	2013	6	5	10	V	0.1	0	3.71	107
180970073	2013	6	5	11	V	0.1	0	3.39	114
180970073	2013	6	5	12	V	0.6	0	1.84	121
180970073	2013	6	5	13	V	0.6	0	1.82	182
180970073	2013	6	5	14	V	0.3	0	2.2	116
180970073	2013	6	5	15	V	0.2	0	2.28	168
180970073	2013	6	5	16	V	0.1	0	2.47	165
180970073	2013	6	5	17	V	0.4	0	1.48	194
180970073	2013	6	5	18	V	0.03	0	1.59	178
180970073	2013	6	5	19	V	0.09	0	1.99	191
180970073	2013	6	5	20	V	0.3	0	1.59	217
180970073	2013	6	5	21	V	0.1	0	1.86	279
180970073	2013	6	5	22	V	0.09	0	1.98	356
180970073	2013	6	5	23	V	0.05	0	2.59	17
180970073	2013	6	5	24	V	0.05	0	3.08	20
180970073	2013	6	6	1	V	0.04	0	5.5	44
180970073	2013	6	6	2	V	0.03	0	5.62	47
180970073	2013	6	6	3	V	0.03	0	4.61	51
180970073	2013	6	6	4	V	0.04	0	3.71	48
180970073	2013	6	6	5	V	0.05	0	4	45
180970073	2013	6	6	6	V	0.08	0	4.02	48
180970073	2013	6	6	7	V	0.09	0	4.41	44
180970073	2013	6	6	8	V	0.3	0	3.35	43
180970073	2013	6	6	9	V	0.4	0	2.9	46
180970073	2013	6	6	10	V	0.4	-999	3.25	21
180970073	2013	6	6	11	V	0.3	-999	3.27	39
180970073	2013	6	6	12	V	0.2	0	3.12	34
180970073	2013	6	6	13	V	0.6	0	2.3	36
180970073	2013	6	6	14	V	0.7	0	1.96	47
180970073	2013	6	6	15	V	0.5	0	1.88	26
180970073	2013	6	6	16	V	0.4	0	1.81	19
180970073	2013	6	6	17	V	0.3	0	1.54	337
180970073	2013	6	6	18	V	0.2	0	1.79	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	6	19	V	0.04	0	3.17	14
180970073	2013	6	6	20	V	0.04	0	4.44	39
180970073	2013	6	6	21	V	0.04	0	4.46	36
180970073	2013	6	6	22	V	0.04	0	3.27	41
180970073	2013	6	6	23	V	0.05	0	2.52	64
180970073	2013	6	6	24	V	0.04	0	3.3	79
180970073	2013	6	7	1	V	0.04	0	2.79	106
180970073	2013	6	7	2	V	0.04	0	2.49	101
180970073	2013	6	7	3	V	0.04	0	3.49	79
180970073	2013	6	7	4	V	0.04	0	2.81	66
180970073	2013	6	7	5	V	0.08	0	3.3	50
180970073	2013	6	7	6	V	0.07	0	4.14	54
180970073	2013	6	7	7	V	0.1	0	3.98	42
180970073	2013	6	7	8	V	0.2	0	3.76	51
180970073	2013	6	7	9	V	0.3	0	3.44	81
180970073	2013	6	7	10	V	0.3	0	2.81	49
180970073	2013	6	7	11	V	0.4	0	2.57	32
180970073	2013	6	7	12	V	0.2	0	3.37	17
180970073	2013	6	7	13	V	0.1	0	3.32	37
180970073	2013	6	7	14	V	0.07	0	3.54	11
180970073	2013	6	7	15	V	0.03	0	5.36	339
180970073	2013	6	7	16	V	0.02	0	5.27	350
180970073	2013	6	7	17	V	0.02	0	5.12	344
180970073	2013	6	7	18	V	0.07	0	4.31	340
180970073	2013	6	7	19	V	0.05	0	3.54	352
180970073	2013	6	7	20	V	0.05	0	3	360
180970073	2013	6	7	21	V	0.05	0	2.86	350
180970073	2013	6	7	22	V	0.06	0	2.44	325
180970073	2013	6	7	23	V	0.05	0	2.56	325
180970073	2013	6	7	24	V	0.06	0	2.45	323
180970073	2013	6	8	1	V	0.08	0	1.94	355
180970073	2013	6	8	2	V	0.08	0	1.87	72
180970073	2013	6	8	3	V	0.03	0	2.96	89
180970073	2013	6	8	4	V	0.03	0	3.08	60
180970073	2013	6	8	5	V	0.07	0	3.32	69
180970073	2013	6	8	6	V	0.1	0	3.81	91
180970073	2013	6	8	7	V	0.2	0	3.58	106
180970073	2013	6	8	8	V	0.5	0	2.61	113
180970073	2013	6	8	9	V	0.5	0	2.21	107
180970073	2013	6	8	10	V	0.2	0	2.59	116
180970073	2013	6	8	11	V	0.07	0	3.93	135
180970073	2013	6	8	12	V	0.2	0	2.88	117
180970073	2013	6	8	13	V	0.1	0	2.84	141
180970073	2013	6	8	14	V	0.2	0	2.64	128
180970073	2013	6	8	15	V	0.2	0	2.52	154
180970073	2013	6	8	16	V	0.1	0	2.25	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	8	17	V	0.09	0	2.4	158
180970073	2013	6	8	18	V	0.02	0	2.72	173
180970073	2013	6	8	19	V	0.05	0	2.52	191
180970073	2013	6	8	20	V	0.07	0	2.22	179
180970073	2013	6	8	21	V	0.07	0	2.4	193
180970073	2013	6	8	22	V	0.04	0	3.42	144
180970073	2013	6	8	23	V	0.04	-999	3.95	130
180970073	2013	6	8	24	V	0.03	0	3.8	136
180970073	2013	6	9	1	V	0.04	0	3.39	130
180970073	2013	6	9	2	V	0.03	0	2.83	125
180970073	2013	6	9	3	V	0.04	0	2.44	110
180970073	2013	6	9	4	V	0.04	0	2.72	131
180970073	2013	6	9	5	V	0.2	0	2.45	135
180970073	2013	6	9	6	V	1.5	0	1.13	100
180970073	2013	6	9	7	V	0.5	0	2.08	137
180970073	2013	6	9	8	V	0.4	0	2.25	139
180970073	2013	6	9	9	V	0.5	0	1.88	132
180970073	2013	6	9	10	V	0.1	0	3.13	167
180970073	2013	6	9	11	V	0.03	0.3	5.31	178
180970073	2013	6	9	12	V	0.04	0.1	4.6	173
180970073	2013	6	9	13	V	0.04	0	4.26	148
180970073	2013	6	9	14	V	0.02	0	4.63	165
180970073	2013	6	9	15	V	0.01	0	5.92	168
180970073	2013	6	9	16	V	0.01	0	5.72	163
180970073	2013	6	9	17	V	0.01	0	6.45	167
180970073	2013	6	9	18	V	0.07	0	4.88	157
180970073	2013	6	9	19	V	0.05	0	4.05	145
180970073	2013	6	9	20	V	0.05	0	3.05	136
180970073	2013	6	9	21	V	0.06	0	2.47	147
180970073	2013	6	9	22	V	0.2	0	1.38	100
180970073	2013	6	9	23	V	0.06	0	2.3	130
180970073	2013	6	9	24	V	0.05	0	4.17	151
180970073	2013	6	10	1	V	0.04	0	5	151
180970073	2013	6	10	2	V	13.3	0	5.48	229
180970073	2013	6	10	3	V	8.3	0.8	3.76	239
180970073	2013	6	10	4	V	20.2	0	2.16	230
180970073	2013	6	10	5	V	0.08	0	3.36	180
180970073	2013	6	10	6	V	0.2	0	3.86	211
180970073	2013	6	10	7	V	4.6	0	4.6	222
180970073	2013	6	10	8	V	15.7	9.6	5.22	233
180970073	2013	6	10	9	V	7.6	16	5.17	226
180970073	2013	6	10	10	V	1.4	23.2	5.51	220
180970073	2013	6	10	11	V	4.2	7.6	5.63	225
180970073	2013	6	10	12	V	4.2	0	6.28	240
180970073	2013	6	10	13	V	3.7	5.7	6.5	240
180970073	2013	6	10	14	V	3.8	11.2	7.06	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	10	15	V	1.8	0	5.51	251
180970073	2013	6	10	16	V	1.4	0	6.19	254
180970073	2013	6	10	17	V	1.4	3	6.23	245
180970073	2013	6	10	18	V	2.2	2.4	6.45	251
180970073	2013	6	10	19	V	5.3	0.9	5.9	248
180970073	2013	6	10	20	V	4.5	0	4.94	242
180970073	2013	6	10	21	V	0.3	4	3.76	221
180970073	2013	6	10	22	V	30.4	32.3	3.44	230
180970073	2013	6	10	23	V	42.3	9.2	3.42	232
180970073	2013	6	10	24	V	0.8	9.2	3.05	224
180970073	2013	6	11	1	V	6.9	14	3.3	227
180970073	2013	6	11	2	V	5.3	14.5	3.76	239
180970073	2013	6	11	3	V	1.7	11.4	3.61	244
180970073	2013	6	11	4	V	8.6	3	3.18	249
180970073	2013	6	11	5	V	6.7	0	3.1	245
180970073	2013	6	11	6	V	9.9	0	3.25	244
180970073	2013	6	11	7	V	22.3	0	2.54	238
180970073	2013	6	11	8	V	12.6	0	2.52	243
180970073	2013	6	11	9	V	2.5	0	2.59	260
180970073	2013	6	11	10	V	0.2	0	3.59	277
180970073	2013	6	11	11	V	0.7	0	3.56	267
180970073	2013	6	11	12	V	0.3	0	3.17	276
180970073	2013	6	11	13	V	8.5	0	3.52	229
180970073	2013	6	11	14	V	2.6	13.9	4.41	220
180970073	2013	6	11	15	V	1.1	12.6	4.77	218
180970073	2013	6	11	16	V	9.1	11.5	5.16	233
180970073	2013	6	11	17	V	5.7	6.1	5.92	228
180970073	2013	6	11	18	V	0.02	6.8	4.49	212
180970073	2013	6	11	19	V	0.06	0	4.97	215
180970073	2013	6	11	20	V	5.6	2.1	3.9	225
180970073	2013	6	11	21	V	0.04	5.4	3.3	204
180970073	2013	6	11	22	V	0.05	0.3	3.56	169
180970073	2013	6	11	23	V	0.05	0	2.56	163
180970073	2013	6	11	24	V	0.04	0	3.06	183
180970073	2013	6	12	1	V	0.04	0	2.79	197
180970073	2013	6	12	2	V	0.06	0	2.05	212
180970073	2013	6	12	3	V	0.05	0	2.38	212
180970073	2013	6	12	4	V	17.4	5.8	3.92	230
180970073	2013	6	12	5	V	5.8	6.9	3.63	249
180970073	2013	6	12	6	V	2.6	0.3	3.2	262
180970073	2013	6	12	7	V	1.6	0	1.45	36
180970073	2013	6	12	8	V	1.0	0	1.5	188
180970073	2013	6	12	9	V	8.4	0	2.11	231
180970073	2013	6	12	10	V	7.7	2.2	3.51	234
180970073	2013	6	12	11	V	6.7	1.5	4.31	236
180970073	2013	6	12	12	V	4.3	2	4.77	242

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	12	13	V	5.8	1	5.5	229
180970073	2013	6	12	14	V	0.03	3.9	7.08	215
180970073	2013	6	12	15	V	0.01	0	7.64	209
180970073	2013	6	12	16	V	0.3	0	5.34	217
180970073	2013	6	12	17	V	0.02	0	5.97	208
180970073	2013	6	12	18	V	0.01	0	5.27	212
180970073	2013	6	12	19	V	0.2	0	5.7	217
180970073	2013	6	12	20	V	0.04	0	5.51	205
180970073	2013	6	12	21	V	0.04	0	6.86	208
180970073	2013	6	12	22	V	0.06	0	6.52	214
180970073	2013	6	12	23	V	0.04	0	8.67	212
180970073	2013	6	12	24	V	5.7	0	9.76	224
180970073	2013	6	13	1	V	20.2	14.3	9.25	233
180970073	2013	6	13	2	V	10.6	2.4	9.07	239
180970073	2013	6	13	3	V	5.3	0	7.71	249
180970073	2013	6	13	4	V	0.04	0	4.49	301
180970073	2013	6	13	5	V	44.2	0	2.11	236
180970073	2013	6	13	6	V	33.8	0	2.86	236
180970073	2013	6	13	7	V	0.01	0	8.39	327
180970073	2013	6	13	8	V	0.06	0	5.41	328
180970073	2013	6	13	9	V	0.01	0	7.59	328
180970073	2013	6	13	10	V	0.02	0	6.87	332
180970073	2013	6	13	11	V	0.02	0	6.5	331
180970073	2013	6	13	12	V	0.03	0	6.45	351
180970073	2013	6	13	13	V	0.03	0	7.15	2
180970073	2013	6	13	14	V	0.02	0	7.28	347
180970073	2013	6	13	15	V	0.01	0	7.91	333
180970073	2013	6	13	16	V	0.01	0	8.86	334
180970073	2013	6	13	17	V	0.01	0	9.39	339
180970073	2013	6	13	18	V	0.05	0	9	336
180970073	2013	6	13	19	V	0.04	0	8.73	342
180970073	2013	6	13	20	V	0.04	0	7.06	341
180970073	2013	6	13	21	V	0.03	0	5.36	334
180970073	2013	6	13	22	V	0.03	0	5.92	340
180970073	2013	6	13	23	V	0.04	0	5.45	337
180970073	2013	6	13	24	V	0.03	0	4.25	343
180970073	2013	6	14	1	V	0.03	0	3.63	350
180970073	2013	6	14	2	V	0.03	0	4.46	347
180970073	2013	6	14	3	V	0.03	0	3.8	353
180970073	2013	6	14	4	V	0.05	0	2.25	332
180970073	2013	6	14	5	V	0.2	0	2.5	316
180970073	2013	6	14	6	V	0.2	0	3.3	333
180970073	2013	6	14	7	V	0.2	0	3.57	356
180970073	2013	6	14	8	V	0.2	0	3.81	10
180970073	2013	6	14	9	V	0.2	0	3.83	22
180970073	2013	6	14	10	V	0.3	0	2.98	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	14	11	V	0.5	0	2.16	31
180970073	2013	6	14	12	V	0.2	0	2.71	359
180970073	2013	6	14	13	V	0.2	0	2.98	9
180970073	2013	6	14	14	V	0.2	0	2.74	46
180970073	2013	6	14	15	V	0.3	0	2.28	32
180970073	2013	6	14	16	V	0.2	0	2.42	359
180970073	2013	6	14	17	V	0.1	0	2.5	322
180970073	2013	6	14	18	V	0.02	0	3.2	309
180970073	2013	6	14	19	V	0.04	0	3.27	324
180970073	2013	6	14	20	V	0.04	0	3	355
180970073	2013	6	14	21	V	0.06	0	2.47	37
180970073	2013	6	14	22	V	0.06	0	2.33	71
180970073	2013	6	14	23	V	0.07	0	2.04	86
180970073	2013	6	14	24	V	0.1	0	1.62	98
180970073	2013	6	15	1	V	0.2	0	1.37	109
180970073	2013	6	15	2	V	0.5	0	1.01	119
180970073	2013	6	15	3	V	0.06	0	2.06	129
180970073	2013	6	15	4	V	0.04	0	2.42	124
180970073	2013	6	15	5	V	0.2	0	2.79	146
180970073	2013	6	15	6	V	0.9	0	1.21	138
180970073	2013	6	15	7	V	0.5	0	1.98	146
180970073	2013	6	15	8	V	0.7	0	2.22	205
180970073	2013	6	15	9	V	0.2	3	3.29	190
180970073	2013	6	15	10	V	0.2	3.3	3.37	178
180970073	2013	6	15	11	V	0.05	0	5.51	154
180970073	2013	6	15	12	V	0.04	0.5	6.26	188
180970073	2013	6	15	13	V	0.3	0	6.23	217
180970073	2013	6	15	14	V	0.07	1.3	6.21	213
180970073	2013	6	15	15	V	0.3	8.2	5.87	219
180970073	2013	6	15	16	V	0.8	7.4	5.7	220
180970073	2013	6	15	17	V	1.2	9.8	6.48	243
180970073	2013	6	15	18	V	9.9	14.4	4.73	231
180970073	2013	6	15	19	V	0.03	7.3	3.86	206
180970073	2013	6	15	20	V	0.04	1.2	3.46	208
180970073	2013	6	15	21	V	0.04	0.2	3.22	215
180970073	2013	6	15	22	V	0.05	0	2.32	213
180970073	2013	6	15	23	V	0.06	-999	2.1	206
180970073	2013	6	15	24	V	0.04	0	2.3	203
180970073	2013	6	16	1	V	3.1	0.7	3.85	224
180970073	2013	6	16	2	V	0.8	6.8	10.1	263
180970073	2013	6	16	3	V	0.03	0	5.29	303
180970073	2013	6	16	4	V	21.0	0	3.22	233
180970073	2013	6	16	5	V	4.9	7.6	3.58	224
180970073	2013	6	16	6	V	0.06	9.1	4.24	204
180970073	2013	6	16	7	V	6.4	0.7	3.17	221
180970073	2013	6	16	8	V	9.6	4.9	4.9	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	16	9	V	7.5	3	4.41	241
180970073	2013	6	16	10	V	3.8	2.4	5.11	243
180970073	2013	6	16	11	V	4.3	2.1	5.8	241
180970073	2013	6	16	12	V	11.0	3.7	5.61	228
180970073	2013	6	16	13	V	12.9	2.8	6.09	233
180970073	2013	6	16	14	V	13.4	4.3	5.99	233
180970073	2013	6	16	15	V	4.8	14.3	6.16	226
180970073	2013	6	16	16	V	11.8	9.7	5.14	235
180970073	2013	6	16	17	V	2.2	1.5	5.39	244
180970073	2013	6	16	18	V	8.2	1	5.9	236
180970073	2013	6	16	19	V	4.6	7.1	4.9	243
180970073	2013	6	16	20	V	36.4	8.1	3.64	234
180970073	2013	6	16	21	V	0.04	0.4	4.03	208
180970073	2013	6	16	22	V	0.04	0	3.73	212
180970073	2013	6	16	23	V	0.04	0	3.22	218
180970073	2013	6	16	24	V	0.04	1	3.01	220
180970073	2013	6	17	1	V	18.8	4.2	2.13	229
180970073	2013	6	17	2	V	0.08	0.6	2.2	219
180970073	2013	6	17	3	V	0.05	0	2.27	213
180970073	2013	6	17	4	V	0.05	0	2.25	210
180970073	2013	6	17	5	V	20.2	0.1	1.47	231
180970073	2013	6	17	6	V	0.5	0	1.98	196
180970073	2013	6	17	7	V	1.7	0.4	1.67	204
180970073	2013	6	17	8	V	1.3	6.5	1.5	189
180970073	2013	6	17	9	V	9.5	5.8	1.14	222
180970073	2013	6	17	10	V	2.3	3.7	2.16	210
180970073	2013	6	17	11	V	3.1	9	2.52	216
180970073	2013	6	17	12	V	0.6	10.9	2.13	197
180970073	2013	6	17	13	V	1.0	4.1	2.52	207
180970073	2013	6	17	14	V	4.1	1.1	2.57	225
180970073	2013	6	17	15	V	0.5	5.3	1.99	283
180970073	2013	6	17	16	V	0.4	7.2	1.65	303
180970073	2013	6	17	17	V	0.1	0.4	1.86	300
180970073	2013	6	17	18	V	0.02	0	2.59	322
180970073	2013	6	17	19	V	0.07	0	2.08	333
180970073	2013	6	17	20	V	0.09	0	1.96	354
180970073	2013	6	17	21	V	0.2	0	1.69	1
180970073	2013	6	17	22	V	0.1	0	1.77	19
180970073	2013	6	17	23	V	3.5	0	4.36	223
180970073	2013	6	17	24	V	2.7	12.6	4.36	259
180970073	2013	6	18	1	V	8.9	2.4	2.86	250
180970073	2013	6	18	2	V	3.1	0	2.86	242
180970073	2013	6	18	3	V	0.04	0	2.86	274
180970073	2013	6	18	4	V	0.04	0	2.56	280
180970073	2013	6	18	5	V	4.3	0	2.27	260
180970073	2013	6	18	6	V	0.1	0.3	3.78	176

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	18	7	V	0.9	3.6	3.29	211
180970073	2013	6	18	8	V	9.8	4.8	3.57	247
180970073	2013	6	18	9	V	0.5	0.1	2.55	307
180970073	2013	6	18	10	V	1.4	0	1.54	324
180970073	2013	6	18	11	V	0.4	0	2.2	351
180970073	2013	6	18	12	V	0.3	0	2.49	7
180970073	2013	6	18	13	V	0.2	0	2.57	48
180970073	2013	6	18	14	V	0.09	0	3.41	26
180970073	2013	6	18	15	V	0.06	0	3.76	32
180970073	2013	6	18	16	V	0.02	0	5.16	16
180970073	2013	6	18	17	V	0.02	0	5.36	20
180970073	2013	6	18	18	V	0.01	0	5.44	30
180970073	2013	6	18	19	V	0.04	0	6.45	31
180970073	2013	6	18	20	V	0.04	0	5.39	41
180970073	2013	6	18	21	V	0.04	0	4.73	42
180970073	2013	6	18	22	V	0.04	0	3.07	31
180970073	2013	6	18	23	V	0.04	0	3.66	28
180970073	2013	6	18	24	V	0.04	0	4.83	67
180970073	2013	6	19	1	V	0.03	0	4.1	88
180970073	2013	6	19	2	V	0.03	0	4.73	76
180970073	2013	6	19	3	V	0.03	0	4.27	84
180970073	2013	6	19	4	V	0.03	0	3.86	85
180970073	2013	6	19	5	V	0.07	0	3.9	77
180970073	2013	6	19	6	V	0.1	0	3.78	77
180970073	2013	6	19	7	V	0.05	0	5.19	70
180970073	2013	6	19	8	V	0.09	0	4.75	78
180970073	2013	6	19	9	V	0.1	0	4.15	87
180970073	2013	6	19	10	V	0.2	0	3.73	82
180970073	2013	6	19	11	V	0.2	0	3.37	92
180970073	2013	6	19	12	V	0.1	0	3.42	115
180970073	2013	6	19	13	V	0.2	0	3.01	72
180970073	2013	6	19	14	V	0.3	0	2.18	20
180970073	2013	6	19	15	V	0.1	0	2.86	85
180970073	2013	6	19	16	V	0.1	0	2.61	103
180970073	2013	6	19	17	V	0.07	0	2.84	103
180970073	2013	6	19	18	V	0.03	0	2.55	149
180970073	2013	6	19	19	V	0.04	0	2.88	161
180970073	2013	6	19	20	V	0.05	0	2.81	181
180970073	2013	6	19	21	V	0.07	0	2.35	182
180970073	2013	6	19	22	V	0.2	0	1.48	155
180970073	2013	6	19	23	V	0.06	0	2.69	53
180970073	2013	6	19	24	V	0.06	0	2.35	81
180970073	2013	6	20	1	V	0.05	0	2.42	105
180970073	2013	6	20	2	V	0.07	0	1.98	103
180970073	2013	6	20	3	V	0.1	0	1.71	103
180970073	2013	6	20	4	V	0.1	0	1.69	127

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	20	5	V	0.8	0	1.3	125
180970073	2013	6	20	6	V	0.5	0	2.01	114
180970073	2013	6	20	7	V	0.3	0.5	3.03	141
180970073	2013	6	20	8	V	0.2	0	3.85	145
180970073	2013	6	20	9	V	0.1	0	3.93	171
180970073	2013	6	20	10	V	0.08	0	3.85	178
180970073	2013	6	20	11	V	0.1	0	3.18	176
180970073	2013	6	20	12	V	0.1	0	3.06	174
180970073	2013	6	20	13	V	0.08	0	3.71	181
180970073	2013	6	20	14	V	0.08	0	3.69	186
180970073	2013	6	20	15	V	0.2	0	2.54	166
180970073	2013	6	20	16	V	0.1	0	2.72	140
180970073	2013	6	20	17	V	0.1	0	2.52	172
180970073	2013	6	20	18	V	0.02	0	3.35	160
180970073	2013	6	20	19	V	0.04	0	2.93	176
180970073	2013	6	20	20	V	0.04	0	3.49	177
180970073	2013	6	20	21	V	0.04	0	3.08	171
180970073	2013	6	20	22	V	0.04	0	3.03	166
180970073	2013	6	20	23	V	0.04	0	3.12	151
180970073	2013	6	20	24	V	0.04	0	3.13	144
180970073	2013	6	21	1	V	0.05	0	2.44	131
180970073	2013	6	21	2	V	0.05	0	2.38	134
180970073	2013	6	21	3	V	0.04	0	2.57	125
180970073	2013	6	21	4	V	0.03	0	3.66	136
180970073	2013	6	21	5	V	0.1	0	3.52	134
180970073	2013	6	21	6	V	1.3	0	1.52	105
180970073	2013	6	21	7	V	0.3	0	3.29	123
180970073	2013	6	21	8	V	0.4	0	2.93	145
180970073	2013	6	21	9	V	0.2	0	2.83	144
180970073	2013	6	21	10	V	0.1	0	3.47	170
180970073	2013	6	21	11	V	0.07	0	4.12	161
180970073	2013	6	21	12	V	0.07	0	4.05	176
180970073	2013	6	21	13	V	0.05	0	4.7	168
180970073	2013	6	21	14	V	0.05	0	4.61	193
180970073	2013	6	21	15	V	0.04	0	4.7	187
180970073	2013	6	21	16	V	0.03	0	4.85	182
180970073	2013	6	21	17	V	0.03	0	4.22	201
180970073	2013	6	21	18	V	0.03	0	3.49	208
180970073	2013	6	21	19	V	0.05	3.1	3.12	209
180970073	2013	6	21	20	V	23.3	0	3.15	237
180970073	2013	6	21	21	V	0.04	0	3.54	202
180970073	2013	6	21	22	V	0.05	0	5.58	170
180970073	2013	6	21	23	V	0.05	0	2.62	197
180970073	2013	6	21	24	V	7.5	0	2.74	248
180970073	2013	6	22	1	V	9.2	6	1.7	253
180970073	2013	6	22	2	V	0.1	5.2	1.6	199

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	22	3	V	0.03	3.8	3	164
180970073	2013	6	22	4	V	0.03	0	3	193
180970073	2013	6	22	5	V	0.7	0	3	214
180970073	2013	6	22	6	V	0.3	0	2.84	201
180970073	2013	6	22	7	V	0.2	0.5	3.47	199
180970073	2013	6	22	8	V	0.2	1.3	4.58	211
180970073	2013	6	22	9	V	0.1	11.2	4.46	208
180970073	2013	6	22	10	V	11.9	12.1	5.97	236
180970073	2013	6	22	11	V	11.5	17.8	5.7	230
180970073	2013	6	22	12	V	13.1	16.4	5.04	231
180970073	2013	6	22	13	V	13.3	12.6	4.42	231
180970073	2013	6	22	14	V	0.4	7.5	5.99	217
180970073	2013	6	22	15	V	0.06	4.1	7.62	215
180970073	2013	6	22	16	V	1.7	3.4	5.95	243
180970073	2013	6	22	17	V	0.01	0	5.6	171
180970073	2013	6	22	18	V	0.06	0	6.45	172
180970073	2013	6	22	19	V	0.05	0	4.27	173
180970073	2013	6	22	20	V	3.9	0	3.44	244
180970073	2013	6	22	21	V	2.6	0	2.45	245
180970073	2013	6	22	22	V	9.2	0	1.21	248
180970073	2013	6	22	23	V	0.04	-999	3.35	137
180970073	2013	6	22	24	V	0.03	0	3.17	122
180970073	2013	6	23	1	V	0.07	0	1.93	127
180970073	2013	6	23	2	V	0.04	0	2.56	115
180970073	2013	6	23	3	V	0.06	0	2.11	142
180970073	2013	6	23	4	V	11.7	0	2.15	251
180970073	2013	6	23	5	V	0.8	0	1.43	324
180970073	2013	6	23	6	V	0.7	0	1.84	91
180970073	2013	6	23	7	V	0.6	0	2.04	121
180970073	2013	6	23	8	V	0.7	0	2.06	176
180970073	2013	6	23	9	V	0.1	0.4	3.85	164
180970073	2013	6	23	10	V	0.08	0	4.39	177
180970073	2013	6	23	11	V	0.04	0	5.75	191
180970073	2013	6	23	12	V	0.02	0	7.13	209
180970073	2013	6	23	13	V	0.2	0	6.5	215
180970073	2013	6	23	14	V	0.02	1	6.65	196
180970073	2013	6	23	15	V	0.01	0	11.23	205
180970073	2013	6	23	16	V	0.1	5	7.48	264
180970073	2013	6	23	17	V	0.03	1.6	3.32	172
180970073	2013	6	23	18	V	0.03	1.8	3	147
180970073	2013	6	23	19	V	0.1	0	1.55	135
180970073	2013	6	23	20	V	0.05	0	2.66	142
180970073	2013	6	23	21	V	0.04	0	3.78	162
180970073	2013	6	23	22	V	0.04	0	2.93	157
180970073	2013	6	23	23	V	0.04	0	2.86	138
180970073	2013	6	23	24	V	0.04	0	3.64	136

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	24	1	V	0.03	0	3.76	147
180970073	2013	6	24	2	V	0.03	0	3.17	139
180970073	2013	6	24	3	V	0.03	0	3.07	149
180970073	2013	6	24	4	V	0.04	0	2.4	145
180970073	2013	6	24	5	V	0.1	0	3.66	136
180970073	2013	6	24	6	V	0.1	0	3.57	155
180970073	2013	6	24	7	V	0.2	0	3.64	204
180970073	2013	6	24	8	V	20.0	3.5	4.41	229
180970073	2013	6	24	9	V	14.6	22.8	6.06	233
180970073	2013	6	24	10	V	18.0	9.5	4.09	227
180970073	2013	6	24	11	V	1.1	17.3	3.86	214
180970073	2013	6	24	12	V	0.8	2.7	3.35	210
180970073	2013	6	24	13	V	6.6	18.2	3.1	227
180970073	2013	6	24	14	V	0.2	16.4	3.56	202
180970073	2013	6	24	15	V	0.04	0.4	4.7	194
180970073	2013	6	24	16	V	0.03	0	4.76	196
180970073	2013	6	24	17	V	0.02	0	4.97	206
180970073	2013	6	24	18	V	0.02	0	6.04	215
180970073	2013	6	24	19	V	0.1	0	5.99	216
180970073	2013	6	24	20	V	0.04	1.4	4.75	206
180970073	2013	6	24	21	V	0.04	2.7	3.42	209
180970073	2013	6	24	22	V	0.05	0	3.32	178
180970073	2013	6	24	23	V	0.04	0	5.11	170
180970073	2013	6	24	24	V	0.04	0	4.87	181
180970073	2013	6	25	1	V	0.04	0	4.31	187
180970073	2013	6	25	2	V	0.03	0	2.76	189
180970073	2013	6	25	3	V	0.03	0	2.78	192
180970073	2013	6	25	4	V	0.03	0	3.25	183
180970073	2013	6	25	5	V	0.2	0	2.76	174
180970073	2013	6	25	6	V	0.3	0	2.72	189
180970073	2013	6	25	7	V	0.1	0	4.14	197
180970073	2013	6	25	8	V	0.2	0.1	4.9	210
180970073	2013	6	25	9	V	1.2	2.1	6.14	220
180970073	2013	6	25	10	V	12.7	16.2	5.26	228
180970073	2013	6	25	11	V	5.4	6.4	5.62	241
180970073	2013	6	25	12	V	5.6	4.1	5.53	242
180970073	2013	6	25	13	V	8.2	2.5	6.75	236
180970073	2013	6	25	14	V	5.7	7	6.99	228
180970073	2013	6	25	15	V	7.0	8.4	6.52	231
180970073	2013	6	25	16	V	0.07	4.7	7.06	216
180970073	2013	6	25	17	V	0.02	1.9	6.7	212
180970073	2013	6	25	18	V	0.01	0	6.24	207
180970073	2013	6	25	19	V	0.05	0	5.07	201
180970073	2013	6	25	20	V	0.05	6.8	4.14	207
180970073	2013	6	25	21	V	0.05	3.4	5.1	195
180970073	2013	6	25	22	V	0.04	0.7	7.13	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	25	23	V	0.05	0	5.89	211
180970073	2013	6	25	24	V	0.05	3.1	2.81	171
180970073	2013	6	26	1	V	2.4	0	2.52	224
180970073	2013	6	26	2	V	0.05	0	4.19	194
180970073	2013	6	26	3	V	4.9	0	4.36	224
180970073	2013	6	26	4	V	0.05	0	5.43	174
180970073	2013	6	26	5	V	0.1	0	3.98	182
180970073	2013	6	26	6	V	0.3	0	2.96	158
180970073	2013	6	26	7	V	0.2	0	3.17	168
180970073	2013	6	26	8	V	0.3	0	3.2	179
180970073	2013	6	26	9	V	0.2	0	3.8	171
180970073	2013	6	26	10	V	0.08	0	3.98	173
180970073	2013	6	26	11	V	0.08	0	3.8	181
180970073	2013	6	26	12	V	0.2	0	5.31	214
180970073	2013	6	26	13	V	0.08	0.5	6.41	215
180970073	2013	6	26	14	V	0.01	0.3	7.3	205
180970073	2013	6	26	15	V	0.01	0	6.14	199
180970073	2013	6	26	16	V	1.2	0	4.2	258
180970073	2013	6	26	17	V	2.1	2.6	5.24	241
180970073	2013	6	26	18	V	0.05	5	3.61	205
180970073	2013	6	26	19	V	0.03	1.9	3.37	188
180970073	2013	6	26	20	V	0.03	0	3.66	160
180970073	2013	6	26	21	V	0.03	0	2.89	157
180970073	2013	6	26	22	V	0.03	0	3.86	176
180970073	2013	6	26	23	V	0.03	0	2.38	210
180970073	2013	6	26	24	V	0.03	0	2.74	187
180970073	2013	6	27	1	V	0.03	0	3.3	196
180970073	2013	6	27	2	V	4.4	0	3.15	226
180970073	2013	6	27	3	V	3.7	1.7	3.76	241
180970073	2013	6	27	4	V	4.7	4.5	3.49	246
180970073	2013	6	27	5	V	4.1	5.9	3.78	247
180970073	2013	6	27	6	V	6.8	8.1	3.25	246
180970073	2013	6	27	7	V	1.8	4.2	3.71	262
180970073	2013	6	27	8	V	0.08	1.7	4.37	292
180970073	2013	6	27	9	V	0.03	0	5.62	300
180970073	2013	6	27	10	V	0.03	0	5.7	315
180970073	2013	6	27	11	V	0.02	0	6.01	320
180970073	2013	6	27	12	V	0.02	0	6.04	315
180970073	2013	6	27	13	V	0.01	0	6.41	317
180970073	2013	6	27	14	V	0.01	0	5.9	312
180970073	2013	6	27	15	V	0.01	0	6.77	321
180970073	2013	6	27	16	V	0.01	0	6.4	305
180970073	2013	6	27	17	V	0.01	0	7.43	289
180970073	2013	6	27	18	V	0.01	0	7.08	291
180970073	2013	6	27	19	V	0.02	0	6.5	286
180970073	2013	6	27	20	V	0.08	0	4.92	268

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	27	21	V	2.7	0	4.19	244
180970073	2013	6	27	22	V	9.7	0	3.42	251
180970073	2013	6	27	23	V	3.7	0	4.53	257
180970073	2013	6	27	24	V	4.4	0	5.26	256
180970073	2013	6	28	1	V	0.2	0	6.23	265
180970073	2013	6	28	2	V	0.02	0	6.16	275
180970073	2013	6	28	3	V	0.02	0	5.79	274
180970073	2013	6	28	4	V	0.2	0	5.27	266
180970073	2013	6	28	5	V	0.02	0	5.44	273
180970073	2013	6	28	6	V	0.3	0	4.41	268
180970073	2013	6	28	7	V	0.05	0	4.82	275
180970073	2013	6	28	8	V	0.02	0	5.77	275
180970073	2013	6	28	9	V	0.04	0	5.7	273
180970073	2013	6	28	10	V	0.02	0	6.02	284
180970073	2013	6	28	11	V	0.01	0	6.97	288
180970073	2013	6	28	12	V	0.01	0	6.79	295
180970073	2013	6	28	13	V	0.01	0	7.69	293
180970073	2013	6	28	14	V	0.01	0	7.94	280
180970073	2013	6	28	15	V	0.01	0	6.69	306
180970073	2013	6	28	16	V	0.03	0	3.51	352
180970073	2013	6	28	17	V	0.01	0	5.77	294
180970073	2013	6	28	18	V	0.01	0	5.8	310
180970073	2013	6	28	19	V	0.03	0	5.44	279
180970073	2013	6	28	20	V	0.02	0	5.79	305
180970073	2013	6	28	21	V	0.02	0	5.41	343
180970073	2013	6	28	22	V	0.03	0	2.69	274
180970073	2013	6	28	23	V	3.3	0	3.49	239
180970073	2013	6	28	24	V	2.9	0	3.8	245
180970073	2013	6	29	1	V	1.3	0	3.2	259
180970073	2013	6	29	2	V	1.9	0	2.78	245
180970073	2013	6	29	3	V	2.0	0	3.91	240
180970073	2013	6	29	4	V	1.4	0	3.15	244
180970073	2013	6	29	5	V	6.4	0	3.2	249
180970073	2013	6	29	6	V	3.1	0	3.25	261
180970073	2013	6	29	7	V	0.3	0	3.23	270
180970073	2013	6	29	8	V	0.08	0	3.56	278
180970073	2013	6	29	9	V	0.09	0	3.22	284
180970073	2013	6	29	10	V	0.08	0	2.84	284
180970073	2013	6	29	11	V	0.08	0	2.79	284
180970073	2013	6	29	12	V	0.07	0	2.88	4
180970073	2013	6	29	13	V	0.1	0	2.08	356
180970073	2013	6	29	14	V	0.09	0	2.44	359
180970073	2013	6	29	15	V	0.03	0	3.8	352
180970073	2013	6	29	16	V	0.1	0	1.99	57
180970073	2013	6	29	17	V	0.08	0	1.84	49
180970073	2013	6	29	18	V	0.04	0	3.68	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	6	29	19	V	0.03	0	3.61	24
180970073	2013	6	29	20	V	0.03	0	3.76	32
180970073	2013	6	29	21	V	0.03	0	2.57	52
180970073	2013	6	29	22	V	0.03	0	2.71	34
180970073	2013	6	29	23	V	0.02	0	2.84	24
180970073	2013	6	29	24	V	0.02	0	3.07	10
180970073	2013	6	30	1	V	0.02	0	2.54	1
180970073	2013	6	30	2	V	0.02	0	2.67	2
180970073	2013	6	30	3	V	0.04	0	1.98	356
180970073	2013	6	30	4	V	0.04	0	2.22	3
180970073	2013	6	30	5	V	0.07	0	3.49	14
180970073	2013	6	30	6	V	0.1	0	3.32	16
180970073	2013	6	30	7	V	0.1	0	3.58	24
180970073	2013	6	30	8	V	0.4	0	2.33	37
180970073	2013	6	30	9	V	0.3	0	2.55	45
180970073	2013	6	30	10	V	0.09	0	3.75	18
180970073	2013	6	30	11	V	0.03	0	5.21	19
180970073	2013	6	30	12	V	0.06	0	5.26	13
180970073	2013	6	30	13	V	0.04	0	5.26	9
180970073	2013	6	30	14	V	0.03	0	6.36	4
180970073	2013	6	30	15	V	0.02	0	6.11	20
180970073	2013	6	30	16	V	0.02	0	5.56	353
180970073	2013	6	30	17	V	0.01	0	6.06	44
180970073	2013	6	30	18	V	0.06	0	5.43	52
180970073	2013	6	30	19	V	0.05	0	4.32	39
180970073	2013	6	30	20	V	0.05	0	4.68	39
180970073	2013	6	30	21	V	0.05	0	5.92	23
180970073	2013	6	30	22	V	0.05	0	3.39	15
180970073	2013	6	30	23	V	0.04	0	4.09	17
180970073	2013	6	30	24	V	0.03	0	5.02	19
180970073	2013	7	1	1	V	0.03	0	4.49	33
180970073	2013	7	1	2	V	0.03	0	4.54	39
180970073	2013	7	1	3	V	0.03	0	5.05	29
180970073	2013	7	1	4	V	0.03	0	4.83	34
180970073	2013	7	1	5	V	0.01	0	6.53	31
180970073	2013	7	1	6	V	0.02	0.9	6.58	31
180970073	2013	7	1	7	V	0.03	0.4	5.62	40
180970073	2013	7	1	8	V	0.06	0	5.36	39
180970073	2013	7	1	9	V	0.03	0.1	5.94	42
180970073	2013	7	1	10	V	0.04	0	5.6	37
180970073	2013	7	1	11	V	0.04	0	5.85	47
180970073	2013	7	1	12	V	0.02	0	6.09	46
180970073	2013	7	1	13	V	0.02	0	5.89	47
180970073	2013	7	1	14	V	0.03	0	4.88	43
180970073	2013	7	1	15	V	0.03	0	4.73	39
180970073	2013	7	1	16	V	0.03	0	4.03	28

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	1	17	V	0.01	0	6.19	30
180970073	2013	7	1	18	V	0.05	0	6.72	31
180970073	2013	7	1	19	V	0.04	0	6.64	37
180970073	2013	7	1	20	V	0.04	0	5.79	33
180970073	2013	7	1	21	V	0.04	0	5.48	44
180970073	2013	7	1	22	V	0.04	0	6.43	53
180970073	2013	7	1	23	V	0.04	0	5.26	48
180970073	2013	7	1	24	V	0.03	0	5.82	49
180970073	2013	7	2	1	V	0.03	0	5.38	55
180970073	2013	7	2	2	V	0.03	0	5.87	31
180970073	2013	7	2	3	V	0.03	0	5.5	31
180970073	2013	7	2	4	V	0.03	0	4.54	38
180970073	2013	7	2	5	V	0.04	0	4.41	48
180970073	2013	7	2	6	V	0.08	0	4.17	40
180970073	2013	7	2	7	V	0.07	0	4.36	33
180970073	2013	7	2	8	V	0.05	0	3.93	40
180970073	2013	7	2	9	V	0.07	0	3.73	37
180970073	2013	7	2	10	V	0.1	0	3.18	60
180970073	2013	7	2	11	V	0.2	0	2.59	44
180970073	2013	7	2	12	V	0.2	0	2.42	35
180970073	2013	7	2	13	V	0.1	0	2.96	20
180970073	2013	7	2	14	V	0.2	0	3.42	3
180970073	2013	7	2	15	V	0.07	0	3.64	4
180970073	2013	7	2	16	V	0.2	0	3.1	7
180970073	2013	7	2	17	V	0.2	0	2.76	41
180970073	2013	7	2	18	V	0.08	0	4.03	38
180970073	2013	7	2	19	V	0.05	0	4	326
180970073	2013	7	2	20	V	0.04	0	3.59	352
180970073	2013	7	2	21	V	0.3	0	1.08	357
180970073	2013	7	2	22	V	0.3	0	1.37	314
180970073	2013	7	2	23	V	0.2	0	1.43	24
180970073	2013	7	2	24	V	0.1	0	1.69	96
180970073	2013	7	3	1	V	0.5	0	0.97	92
180970073	2013	7	3	2	C	-999	0	0	0
180970073	2013	7	3	3	V	0.4	0	1.06	124
180970073	2013	7	3	4	V	0.05	0	2.13	118
180970073	2013	7	3	5	V	0.5	0	1.35	120
180970073	2013	7	3	6	V	2.1	0	0.87	161
180970073	2013	7	3	7	V	1.2	0	1.52	131
180970073	2013	7	3	8	V	0.1	0	4.17	185
180970073	2013	7	3	9	V	0.1	0	4.75	190
180970073	2013	7	3	10	V	0.06	0	5.77	196
180970073	2013	7	3	11	V	0.07	1.3	5.63	205
180970073	2013	7	3	12	V	0.03	1.3	5.65	206
180970073	2013	7	3	13	V	0.2	0	5.21	215
180970073	2013	7	3	14	V	0.01	0	6.16	198

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	3	15	V	0.02	0	5.72	201
180970073	2013	7	3	16	V	0.02	0	5.99	198
180970073	2013	7	3	17	V	0.01	0	6.41	177
180970073	2013	7	3	18	V	0.01	0	5.94	182
180970073	2013	7	3	19	V	0.03	0	4.82	186
180970073	2013	7	3	20	V	0.03	0	3.59	198
180970073	2013	7	3	21	V	0.03	0	2.83	213
180970073	2013	7	3	22	V	15.7	0	1.45	228
180970073	2013	7	3	23	V	6.3	0	1.3	244
180970073	2013	7	3	24	V	14.5	0	1.64	231
180970073	2013	7	4	1	V	4.1	0	1.3	239
180970073	2013	7	4	2	V	2.6	0	1.2	233
180970073	2013	7	4	3	V	0.4	0	0.55	312
180970073	2013	7	4	4	C	-999	0	0	0
180970073	2013	7	4	5	V	0.5	0	0.96	321
180970073	2013	7	4	6	V	0.3	0	1.47	330
180970073	2013	7	4	7	V	0.3	0	1.38	88
180970073	2013	7	4	8	V	0.3	0	1.37	60
180970073	2013	7	4	9	V	0.2	0	1.67	56
180970073	2013	7	4	10	V	0.06	0.8	2.13	58
180970073	2013	7	4	11	V	0.2	0.4	1.81	55
180970073	2013	7	4	12	V	0.06	0	2.01	109
180970073	2013	7	4	13	V	0.05	0	2.15	116
180970073	2013	7	4	14	V	0.06	0	1.94	116
180970073	2013	7	4	15	V	0.03	0	2.5	134
180970073	2013	7	4	16	V	0.01	0	3.24	125
180970073	2013	7	4	17	V	0.01	0	2.93	142
180970073	2013	7	4	18	V	0.03	0	1.98	161
180970073	2013	7	4	19	V	0.01	0	2.61	162
180970073	2013	7	4	20	V	0.01	0	2.93	160
180970073	2013	7	4	21	V	0.01	0	2.84	143
180970073	2013	7	4	22	V	0.1	0	0.86	146
180970073	2013	7	4	23	V	0.01	0	2.25	148
180970073	2013	7	4	24	V	0.01	0	2.83	152
180970073	2013	7	5	1	V	0.01	0	2.84	150
180970073	2013	7	5	2	V	0.01	0	2.21	159
180970073	2013	7	5	3	V	0.02	0	1.77	176
180970073	2013	7	5	4	V	6.7	0	1.06	246
180970073	2013	7	5	5	V	0.2	0	1.35	112
180970073	2013	7	5	6	V	0.1	0	2.06	148
180970073	2013	7	5	7	V	0.2	0	1.84	133
180970073	2013	7	5	8	V	1.0	0	0.72	132
180970073	2013	7	5	9	V	0.4	0	1.4	189
180970073	2013	7	5	10	V	0.09	0	2.44	143
180970073	2013	7	5	11	V	0.2	0	1.89	141
180970073	2013	7	5	12	V	0.06	0	2.71	140

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	5	13	V	0.06	0	2.45	141
180970073	2013	7	5	14	V	0.02	0	3.66	167
180970073	2013	7	5	15	V	0.01	0	4.14	154
180970073	2013	7	5	16	V	0.01	0	4.32	160
180970073	2013	7	5	17	V	0.01	0	4.14	166
180970073	2013	7	5	18	V	0.01	0	3.66	181
180970073	2013	7	5	19	V	0.01	0	3.95	180
180970073	2013	7	5	20	V	0.01	0	4.12	160
180970073	2013	7	5	21	V	0.01	0	3.35	165
180970073	2013	7	5	22	V	0.01	0	3.47	153
180970073	2013	7	5	23	V	0.01	0	3.44	154
180970073	2013	7	5	24	V	0.01	0	2.76	150
180970073	2013	7	6	1	V	0.01	0	2.78	148
180970073	2013	7	6	2	V	0.01	0	2.91	153
180970073	2013	7	6	3	V	0.01	0	2.64	149
180970073	2013	7	6	4	V	0.01	0	2.4	152
180970073	2013	7	6	5	V	0.02	0	3.57	151
180970073	2013	7	6	6	V	0.03	0	3.47	151
180970073	2013	7	6	7	V	0.05	0	3.2	164
180970073	2013	7	6	8	V	0.06	0	3.17	175
180970073	2013	7	6	9	V	0.03	0	3.73	175
180970073	2013	7	6	10	V	2.0	0	3.1	260
180970073	2013	7	6	11	V	2.1	1.8	2.33	255
180970073	2013	7	6	12	V	1.2	0	2.91	255
180970073	2013	7	6	13	V	1.6	0	4.09	250
180970073	2013	7	6	14	V	1.6	0	2.89	246
180970073	2013	7	6	15	V	0.7	0	5.22	235
180970073	2013	7	6	16	V	1.3	0	6.96	250
180970073	2013	7	6	17	V	0.4	0.9	5.53	238
180970073	2013	7	6	18	V	2.0	0	3.73	240
180970073	2013	7	6	19	V	0.02	0	3.47	218
180970073	2013	7	6	20	V	0.01	0	3.4	181
180970073	2013	7	6	21	V	0.01	0	2.86	149
180970073	2013	7	6	22	V	0.01	0	2.42	160
180970073	2013	7	6	23	V	0.02	0	2.4	161
180970073	2013	7	6	24	V	0.01	0	2.52	170
180970073	2013	7	7	1	V	0.04	0	1.59	182
180970073	2013	7	7	2	V	0.03	0	1.84	114
180970073	2013	7	7	3	V	0.04	0	1.82	111
180970073	2013	7	7	4	V	0.04	0	2.1	106
180970073	2013	7	7	5	V	0.09	0	2.23	122
180970073	2013	7	7	6	V	0.3	0	2.04	140
180970073	2013	7	7	7	V	0.2	0	2.56	168
180970073	2013	7	7	8	V	0.2	0	2.72	190
180970073	2013	7	7	9	V	0.1	3	3.74	208
180970073	2013	7	7	10	V	0.3	14.2	3.93	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	7	11	V	3.0	20.2	3.27	223
180970073	2013	7	7	12	V	2.2	7	2.91	225
180970073	2013	7	7	13	V	1.1	15.3	2.49	216
180970073	2013	7	7	14	V	0.6	7.2	2.61	213
180970073	2013	7	7	15	V	1.0	2.2	3.95	224
180970073	2013	7	7	16	V	0.4	2.3	4.49	217
180970073	2013	7	7	17	V	0.9	3.3	4.68	223
180970073	2013	7	7	18	V	2.8	2.8	4.71	235
180970073	2013	7	7	19	V	0.02	0	4.83	212
180970073	2013	7	7	20	V	0.03	0	3.57	207
180970073	2013	7	7	21	V	0.03	0	3.29	205
180970073	2013	7	7	22	V	0.04	0	2.71	193
180970073	2013	7	7	23	V	0.03	0	2.95	192
180970073	2013	7	7	24	V	0.03	0	2.76	196
180970073	2013	7	8	1	V	0.03	0	3.13	208
180970073	2013	7	8	2	V	0.03	0	3.24	211
180970073	2013	7	8	3	V	0.03	0	3.12	207
180970073	2013	7	8	4	V	0.03	0	2.98	217
180970073	2013	7	8	5	V	4.1	0	2.93	219
180970073	2013	7	8	6	V	4.9	0	2.73	217
180970073	2013	7	8	7	V	0.6	0	2.5	206
180970073	2013	7	8	8	V	1.1	5.3	3.58	213
180970073	2013	7	8	9	V	7.7	21.5	5.07	234
180970073	2013	7	8	10	V	5.2	23.8	5.17	234
180970073	2013	7	8	11	V	3.4	4.3	6.02	240
180970073	2013	7	8	12	V	4.8	9.5	5.9	236
180970073	2013	7	8	13	V	2.3	19.4	5.82	224
180970073	2013	7	8	14	V	2.5	16.7	5.39	224
180970073	2013	7	8	15	V	0.8	13.2	4.99	219
180970073	2013	7	8	16	V	0.05	3.7	6.63	212
180970073	2013	7	8	17	V	0.03	2.2	6.62	212
180970073	2013	7	8	18	V	0.03	2	7.01	217
180970073	2013	7	8	19	V	0.4	0	6.12	219
180970073	2013	7	8	20	V	0.04	0	4.83	212
180970073	2013	7	8	21	V	0.9	1	4.12	222
180970073	2013	7	8	22	V	1.7	31.6	3.88	223
180970073	2013	7	8	23	V	0.04	30.3	4	214
180970073	2013	7	8	24	V	0.07	4.9	4.1	217
180970073	2013	7	9	1	V	0.1	2.9	4.1	218
180970073	2013	7	9	2	V	9.2	6.4	5	229
180970073	2013	7	9	3	V	14.2	4.3	5.16	233
180970073	2013	7	9	4	V	13.9	8.2	4.17	237
180970073	2013	7	9	5	V	9.5	18	4.39	228
180970073	2013	7	9	6	V	10.1	12.4	4.73	228
180970073	2013	7	9	7	V	8.2	15.4	4.97	227
180970073	2013	7	9	8	V	7.0	25.7	5.38	232

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	9	9	V	5.2	13.1	5.51	235
180970073	2013	7	9	10	V	3.4	2.3	4.09	241
180970073	2013	7	9	11	V	2.8	1.7	4.24	235
180970073	2013	7	9	12	V	3.4	6.6	5.21	235
180970073	2013	7	9	13	V	3.3	6.6	5.51	230
180970073	2013	7	9	14	V	2.0	13.9	5.8	226
180970073	2013	7	9	15	V	2.8	10.2	6.14	235
180970073	2013	7	9	16	V	3.8	3.9	6.46	231
180970073	2013	7	9	17	V	4.0	6	6.53	231
180970073	2013	7	9	18	V	0.01	7.7	5.51	213
180970073	2013	7	9	19	V	0.04	1.2	6.07	201
180970073	2013	7	9	20	V	0.05	0	3.51	208
180970073	2013	7	9	21	V	0.05	0	2.78	189
180970073	2013	7	9	22	V	0.05	0	3.73	190
180970073	2013	7	9	23	V	0.05	0	3.35	188
180970073	2013	7	9	24	V	0.05	0	3.49	196
180970073	2013	7	10	1	V	0.04	0	3.37	202
180970073	2013	7	10	2	V	0.03	0	3.27	213
180970073	2013	7	10	3	V	0.04	0	2.91	213
180970073	2013	7	10	4	V	0.04	0	4.08	212
180970073	2013	7	10	5	V	0.2	0	3.85	212
180970073	2013	7	10	6	V	2.0	0	3.61	216
180970073	2013	7	10	7	V	0.2	2.4	3.73	207
180970073	2013	7	10	8	V	0.9	8.3	4.61	215
180970073	2013	7	10	9	V	2.7	19	5.29	221
180970073	2013	7	10	10	V	0.7	16.4	4.87	214
180970073	2013	7	10	11	V	0.05	-999	4.88	208
180970073	2013	7	10	12	V	1.0	4.8	8.4	253
180970073	2013	7	10	13	V	0.01	1.5	9.47	272
180970073	2013	7	10	14	V	0.02	0	5.1	283
180970073	2013	7	10	15	V	0.1	0	3.1	20
180970073	2013	7	10	16	V	0.09	0	3.17	354
180970073	2013	7	10	17	V	4.1	0	4.2	232
180970073	2013	7	10	18	V	0.02	2.3	3.78	185
180970073	2013	7	10	19	V	0.6	18.3	3.35	222
180970073	2013	7	10	20	V	2.8	11.5	3.92	224
180970073	2013	7	10	21	V	20.9	1.2	3	229
180970073	2013	7	10	22	V	0.05	1.2	4.14	336
180970073	2013	7	10	23	V	0.04	0	6.21	16
180970073	2013	7	10	24	V	0.04	0	5.96	15
180970073	2013	7	11	1	V	0.03	0	4.73	14
180970073	2013	7	11	2	V	0.03	0	3.93	9
180970073	2013	7	11	3	V	0.03	0	4.42	360
180970073	2013	7	11	4	V	0.03	0	4.03	8
180970073	2013	7	11	5	V	0.1	0	3.69	8
180970073	2013	7	11	6	V	0.2	0	3.73	12

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	11	7	V	0.06	0	3.8	23
180970073	2013	7	11	8	V	0.05	0	4.36	20
180970073	2013	7	11	9	V	0.03	0	5.73	28
180970073	2013	7	11	10	V	0.03	0	6.23	35
180970073	2013	7	11	11	V	0.02	0	7.72	28
180970073	2013	7	11	12	V	0.02	0	7.79	31
180970073	2013	7	11	13	V	0.02	0	6.87	27
180970073	2013	7	11	14	V	0.02	0	6.77	18
180970073	2013	7	11	15	V	0.02	0	6.55	20
180970073	2013	7	11	16	V	0.02	0	5.94	27
180970073	2013	7	11	17	V	0.02	0	5.73	15
180970073	2013	7	11	18	V	0.01	0	5.68	24
180970073	2013	7	11	19	V	0.03	0	5.53	16
180970073	2013	7	11	20	V	0.03	0	5.09	25
180970073	2013	7	11	21	V	0.04	0	2.93	15
180970073	2013	7	11	22	V	0.04	0	2.96	360
180970073	2013	7	11	23	V	0.03	0	3.32	349
180970073	2013	7	11	24	V	0.03	0	3.39	4
180970073	2013	7	12	1	V	0.04	0	2.54	12
180970073	2013	7	12	2	V	0.08	0	1.87	341
180970073	2013	7	12	3	V	0.07	0	1.94	344
180970073	2013	7	12	4	V	0.06	0	2.13	351
180970073	2013	7	12	5	V	0.4	0	1.94	348
180970073	2013	7	12	6	V	0.7	0	1.81	357
180970073	2013	7	12	7	V	0.2	0	2.57	13
180970073	2013	7	12	8	V	0.2	0	3.18	30
180970073	2013	7	12	9	V	0.8	0	1.94	28
180970073	2013	7	12	10	V	0.2	0	3.22	31
180970073	2013	7	12	11	V	0.06	0	5.16	55
180970073	2013	7	12	12	V	0.1	0	4.31	49
180970073	2013	7	12	13	V	0.1	0	4.07	52
180970073	2013	7	12	14	V	0.09	0	4.1	41
180970073	2013	7	12	15	V	0.06	-999	4.46	31
180970073	2013	7	12	16	V	0.03	0	5.31	13
180970073	2013	7	12	17	V	0.03	0	4.99	23
180970073	2013	7	12	18	V	0.01	0	5.77	29
180970073	2013	7	12	19	V	0.04	0	5.87	34
180970073	2013	7	12	20	V	0.04	0	5.39	45
180970073	2013	7	12	21	V	0.04	0	4.07	35
180970073	2013	7	12	22	V	0.04	0	3.15	38
180970073	2013	7	12	23	V	0.05	0	2.88	29
180970073	2013	7	12	24	V	0.04	0	3.2	30
180970073	2013	7	13	1	V	0.03	0	3.66	33
180970073	2013	7	13	2	V	0.03	0	3.37	33
180970073	2013	7	13	3	V	0.03	0	2.88	41
180970073	2013	7	13	4	V	0.03	0	2.95	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	13	5	V	0.1	0	3.69	31
180970073	2013	7	13	6	V	0.1	0	4.15	34
180970073	2013	7	13	7	V	0.09	0	3.91	35
180970073	2013	7	13	8	V	0.2	0	3.18	46
180970073	2013	7	13	9	V	0.2	0	3.44	72
180970073	2013	7	13	10	V	0.09	0	4.61	89
180970073	2013	7	13	11	V	0.06	0	5.26	76
180970073	2013	7	13	12	V	0.09	0	4.42	88
180970073	2013	7	13	13	V	0.04	0	5.43	86
180970073	2013	7	13	14	V	0.04	0	5.77	93
180970073	2013	7	13	15	V	0.04	0	5.31	79
180970073	2013	7	13	16	V	0.03	0	5.56	89
180970073	2013	7	13	17	V	0.02	0	5.87	93
180970073	2013	7	13	18	V	0.01	0	5.46	99
180970073	2013	7	13	19	V	0.05	0	4.56	121
180970073	2013	7	13	20	V	0.04	0	6.11	93
180970073	2013	7	13	21	V	0.04	0	4.9	94
180970073	2013	7	13	22	V	0.04	0	3.95	88
180970073	2013	7	13	23	V	0.04	0	4.31	90
180970073	2013	7	13	24	V	0.04	0	4.6	98
180970073	2013	7	14	1	V	0.04	0	4.37	109
180970073	2013	7	14	2	V	0.03	0	3.54	99
180970073	2013	7	14	3	V	0.03	0	3.76	77
180970073	2013	7	14	4	V	0.03	0	4.29	71
180970073	2013	7	14	5	V	0.1	0	3.47	85
180970073	2013	7	14	6	V	0.4	0	2.56	87
180970073	2013	7	14	7	V	0.2	0	3.07	108
180970073	2013	7	14	8	V	0.1	1.7	3.37	109
180970073	2013	7	14	9	V	0.08	2.4	4.29	125
180970073	2013	7	14	10	V	0.1	0.6	3.71	132
180970073	2013	7	14	11	V	0.4	0	2.35	139
180970073	2013	7	14	12	V	0.2	0	3.25	122
180970073	2013	7	14	13	V	0.09	0	3.83	117
180970073	2013	7	14	14	V	0.07	0	4.1	124
180970073	2013	7	14	15	V	0.07	0	3.98	133
180970073	2013	7	14	16	V	0.04	0	4.32	132
180970073	2013	7	14	17	V	0.03	0	4.46	137
180970073	2013	7	14	18	V	0.02	0	4.53	134
180970073	2013	7	14	19	V	0.05	0	2.91	150
180970073	2013	7	14	20	V	0.05	0	2.88	115
180970073	2013	7	14	21	V	0.06	0	2.54	101
180970073	2013	7	14	22	V	0.07	0	2.18	95
180970073	2013	7	14	23	V	0.05	0	2.61	93
180970073	2013	7	14	24	V	0.05	0	4.97	123
180970073	2013	7	15	1	V	0.04	0	2.95	162
180970073	2013	7	15	2	V	0.03	0	3.01	140

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	15	3	V	0.03	0	3.12	126
180970073	2013	7	15	4	V	0.03	0	2.84	120
180970073	2013	7	15	5	V	0.2	0	3.25	114
180970073	2013	7	15	6	V	0.3	0	3.3	119
180970073	2013	7	15	7	V	0.1	0	3.86	132
180970073	2013	7	15	8	V	0.1	0	3.73	153
180970073	2013	7	15	9	V	0.08	0	4.34	179
180970073	2013	7	15	10	V	0.04	0	5.75	188
180970073	2013	7	15	11	V	0.07	0	4.46	187
180970073	2013	7	15	12	V	0.1	0	3.75	195
180970073	2013	7	15	13	V	0.1	0	3.75	192
180970073	2013	7	15	14	V	0.1	0	3.56	179
180970073	2013	7	15	15	V	0.07	0	4.02	179
180970073	2013	7	15	16	V	0.05	0	4.17	185
180970073	2013	7	15	17	V	0.05	0	3.85	163
180970073	2013	7	15	18	V	0.03	0	3.51	176
180970073	2013	7	15	19	V	0.04	0	3.12	188
180970073	2013	7	15	20	V	0.05	0	2.76	185
180970073	2013	7	15	21	V	0.08	0	2.11	185
180970073	2013	7	15	22	V	0.08	0	2.1	169
180970073	2013	7	15	23	V	0.1	0	1.82	155
180970073	2013	7	15	24	V	0.3	0	1.31	203
180970073	2013	7	16	1	V	0.8	0	0.94	206
180970073	2013	7	16	2	V	0.6	0	0.99	100
180970073	2013	7	16	3	V	0.4	0	1.11	100
180970073	2013	7	16	4	V	0.4	0	1.09	70
180970073	2013	7	16	5	V	2.7	0	0.69	147
180970073	2013	7	16	6	C	-999	0	0	0
180970073	2013	7	16	7	V	3.3	0	0.79	6
180970073	2013	7	16	8	V	1.4	0	1.54	71
180970073	2013	7	16	9	V	1.4	0	1.47	130
180970073	2013	7	16	10	V	1.3	0	1.28	207
180970073	2013	7	16	11	V	1.1	0	1.31	210
180970073	2013	7	16	12	V	1.0	0	2.15	268
180970073	2013	7	16	13	V	0.3	0	2.39	303
180970073	2013	7	16	14	V	0.7	0	1.93	278
180970073	2013	7	16	15	V	0.2	0	3.01	288
180970073	2013	7	16	16	V	0.09	0	3.29	307
180970073	2013	7	16	17	V	0.07	0	3.27	11
180970073	2013	7	16	18	V	0.03	0	3.32	11
180970073	2013	7	16	19	V	0.05	0	2.71	24
180970073	2013	7	16	20	V	0.05	0	2.81	23
180970073	2013	7	16	21	V	0.05	0	2.67	38
180970073	2013	7	16	22	V	0.06	0	2.44	17
180970073	2013	7	16	23	V	0.1	0	1.89	24
180970073	2013	7	16	24	V	0.4	0	1.16	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	17	1	V	0.8	0	0.94	298
180970073	2013	7	17	2	V	0.2	0	1.33	287
180970073	2013	7	17	3	V	0.09	0	1.91	292
180970073	2013	7	17	4	V	0.05	0	2.4	321
180970073	2013	7	17	5	V	0.6	0	1.62	342
180970073	2013	7	17	6	V	2.3	0	1.2	334
180970073	2013	7	17	7	V	1.2	0	1.54	340
180970073	2013	7	17	8	V	0.4	0	2.39	347
180970073	2013	7	17	9	V	0.2	0	3.23	352
180970073	2013	7	17	10	V	0.2	0	3.34	346
180970073	2013	7	17	11	V	0.2	0	3.32	1
180970073	2013	7	17	12	V	0.2	0	3.25	335
180970073	2013	7	17	13	V	0.3	0	2.69	339
180970073	2013	7	17	14	V	0.3	0	2.55	327
180970073	2013	7	17	15	V	0.1	0	3.27	314
180970073	2013	7	17	16	V	0.1	0	3.12	322
180970073	2013	7	17	17	V	0.06	0	3.54	314
180970073	2013	7	17	18	V	0.02	0	4.09	301
180970073	2013	7	17	19	V	0.04	0	3.93	309
180970073	2013	7	17	20	V	0.04	0	2.95	313
180970073	2013	7	17	21	V	0.1	0	1.91	316
180970073	2013	7	17	22	V	0.2	0	1.65	312
180970073	2013	7	17	23	V	0.7	0	1.01	304
180970073	2013	7	17	24	V	0.3	0	1.43	283
180970073	2013	7	18	1	V	0.5	0	1.11	288
180970073	2013	7	18	2	V	1.6	0	0.62	288
180970073	2013	7	18	3	V	1.1	0	0.8	325
180970073	2013	7	18	4	V	0.1	0	1.91	306
180970073	2013	7	18	5	V	0.8	0	1.52	310
180970073	2013	7	18	6	V	1.3	0	1.7	309
180970073	2013	7	18	7	V	2.7	0	1.01	310
180970073	2013	7	18	8	V	1.5	0	1.48	306
180970073	2013	7	18	9	V	1.1	0	1.64	303
180970073	2013	7	18	10	V	1.0	0	1.43	292
180970073	2013	7	18	11	V	0.8	0	1.76	231
180970073	2013	7	18	12	V	1.6	0	2.52	217
180970073	2013	7	18	13	V	0.6	2	3.3	205
180970073	2013	7	18	14	V	0.6	2.7	3.88	208
180970073	2013	7	18	15	V	2.2	8.3	3.9	226
180970073	2013	7	18	16	V	2.5	7.7	3.12	237
180970073	2013	7	18	17	V	0.6	11.3	3.8	212
180970073	2013	7	18	18	V	5.2	7.6	3.35	230
180970073	2013	7	18	19	V	39.6	8.7	3.49	232
180970073	2013	7	18	20	V	33.7	2.7	3.85	231
180970073	2013	7	18	21	V	0.9	0	2.98	224
180970073	2013	7	18	22	V	0.04	0	3.12	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	18	23	V	0.05	0	2.81	216
180970073	2013	7	18	24	V	1.0	0	2.71	224
180970073	2013	7	19	1	V	0.8	0	2.83	223
180970073	2013	7	19	2	V	0.03	0	3.07	215
180970073	2013	7	19	3	V	19.2	0.1	2.61	237
180970073	2013	7	19	4	V	0.03	7.8	3.88	216
180970073	2013	7	19	5	V	0.08	4	4.15	211
180970073	2013	7	19	6	V	2.7	2.3	3.54	216
180970073	2013	7	19	7	V	1.6	13.3	3.42	214
180970073	2013	7	19	8	V	10.2	21.4	4.19	232
180970073	2013	7	19	9	V	4.1	11.1	4.87	240
180970073	2013	7	19	10	V	2.6	2.2	5.94	240
180970073	2013	7	19	11	V	2.4	0	6.62	239
180970073	2013	7	19	12	V	1.0	0.1	7.28	249
180970073	2013	7	19	13	V	2.2	1.3	6.7	239
180970073	2013	7	19	14	V	2.5	3.9	7.25	233
180970073	2013	7	19	15	V	2.6	1.1	7.38	235
180970073	2013	7	19	16	V	2.9	3.2	7.45	233
180970073	2013	7	19	17	V	1.3	2.1	7.4	223
180970073	2013	7	19	18	V	1.8	1.6	7.11	225
180970073	2013	7	19	19	V	0.05	0	6.47	215
180970073	2013	7	19	20	V	0.04	0	5.29	214
180970073	2013	7	19	21	V	0.04	0	4.51	209
180970073	2013	7	19	22	V	0.04	4	4.65	208
180970073	2013	7	19	23	V	0.03	4.3	5.24	213
180970073	2013	7	19	24	V	0.3	5.2	5.12	220
180970073	2013	7	20	1	V	11.5	6.8	6.41	227
180970073	2013	7	20	2	V	0.3	4	5.39	220
180970073	2013	7	20	3	V	8.0	8.2	5.53	227
180970073	2013	7	20	4	V	17.1	25	5.85	232
180970073	2013	7	20	5	V	7.4	21.3	6.01	232
180970073	2013	7	20	6	V	7.9	18.1	5.67	237
180970073	2013	7	20	7	V	9.1	1.6	5.51	231
180970073	2013	7	20	8	V	7.1	8.7	6.26	231
180970073	2013	7	20	9	V	2.0	3.1	6.53	250
180970073	2013	7	20	10	V	0.8	0.3	3.54	265
180970073	2013	7	20	11	V	3.9	0	3.08	251
180970073	2013	7	20	12	V	3.8	0	6.26	233
180970073	2013	7	20	13	V	0.01	0.2	5.11	194
180970073	2013	7	20	14	V	0.01	0	3.52	191
180970073	2013	7	20	15	V	0.01	0	4.03	223
180970073	2013	7	20	16	V	1.7	3.5	3.57	249
180970073	2013	7	20	17	V	0.01	5.5	3.59	227
180970073	2013	7	20	18	V	0.02	0.6	2.88	205
180970073	2013	7	20	19	V	0.01	0.1	2.33	224
180970073	2013	7	20	20	V	8.4	0	2.62	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	20	21	V	6.5	0.2	3.29	248
180970073	2013	7	20	22	V	0.01	0.7	3.18	276
180970073	2013	7	20	23	V	0.02	-999	2.83	269
180970073	2013	7	20	24	V	0.01	0	2.05	298
180970073	2013	7	21	1	V	0.01	0	3.07	308
180970073	2013	7	21	2	V	0.01	0	2.23	216
180970073	2013	7	21	3	V	0.03	0	1.62	198
180970073	2013	7	21	4	V	7.5	0	0.69	251
180970073	2013	7	21	5	V	0.1	0	1.74	209
180970073	2013	7	21	6	V	0.3	0	2.18	218
180970073	2013	7	21	7	V	5.3	0	2.44	242
180970073	2013	7	21	8	V	6.4	5.7	2.78	251
180970073	2013	7	21	9	V	3.9	14.7	2.07	241
180970073	2013	7	21	10	C	-999	8.1	0	0
180970073	2013	7	21	11	V	0.05	6.6	2.86	181
180970073	2013	7	21	12	C	-999	2	0	0
180970073	2013	7	21	13	V	0.3	0.6	1.76	198
180970073	2013	7	21	14	V	0.2	0.3	2.86	205
180970073	2013	7	21	15	C	-999	0	0	0
180970073	2013	7	21	16	M	-999	0	2.36	999
180970073	2013	7	21	17	V	0.06	0	2.56	188
180970073	2013	7	21	18	V	0.01	0	2.37	199
180970073	2013	7	21	19	V	0.04	0	2.66	216
180970073	2013	7	21	20	V	0.05	0	2.13	193
180970073	2013	7	21	21	V	0.2	0	1.47	192
180970073	2013	7	21	22	V	0.3	0	1.16	135
180970073	2013	7	21	23	V	0.2	0	1.38	109
180970073	2013	7	21	24	V	0.04	0	2.86	95
180970073	2013	7	22	1	V	0.03	0	5.21	149
180970073	2013	7	22	2	V	16.9	0	3.8	231
180970073	2013	7	22	3	V	0.1	0	1.26	191
180970073	2013	7	22	4	V	0.3	0	0.99	155
180970073	2013	7	22	5	V	0.3	0	1.33	333
180970073	2013	7	22	6	V	0.5	0	1.84	46
180970073	2013	7	22	7	V	0.3	0	2.74	110
180970073	2013	7	22	8	V	0.4	0	2.49	80
180970073	2013	7	22	9	V	0.2	0	2.78	106
180970073	2013	7	22	10	V	0.3	0	2.18	145
180970073	2013	7	22	11	V	0.1	0	2.81	112
180970073	2013	7	22	12	V	1.0	0	1.6	87
180970073	2013	7	22	13	V	0.5	4.1	1.98	349
180970073	2013	7	22	14	V	0.3	4.5	2.55	325
180970073	2013	7	22	15	V	0.1	0	3.2	321
180970073	2013	7	22	16	V	0.1	0	3.01	305
180970073	2013	7	22	17	V	0.03	0	4.46	329
180970073	2013	7	22	18	V	0.02	0	4.27	325

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	22	19	V	0.04	0	4.12	329
180970073	2013	7	22	20	V	0.04	0	3.34	309
180970073	2013	7	22	21	V	0.06	0	2.5	287
180970073	2013	7	22	22	V	0.05	0	2.76	282
180970073	2013	7	22	23	V	5.7	0	1.94	256
180970073	2013	7	22	24	V	0.4	0	2.3	222
180970073	2013	7	23	1	V	12.5	0	2.42	238
180970073	2013	7	23	2	V	30.1	0	2.52	232
180970073	2013	7	23	3	V	0.04	0	2.59	219
180970073	2013	7	23	4	V	0.3	3.9	3.07	223
180970073	2013	7	23	5	V	0.1	0.3	3.63	204
180970073	2013	7	23	6	V	4.1	3.6	3.81	221
180970073	2013	7	23	7	V	0.7	7.2	3.85	212
180970073	2013	7	23	8	V	11.7	21.7	3.81	234
180970073	2013	7	23	9	V	4.4	10.5	4.56	245
180970073	2013	7	23	10	V	0.9	1.5	5.24	258
180970073	2013	7	23	11	V	0.2	0	6.43	266
180970073	2013	7	23	12	V	0.3	0	7.48	263
180970073	2013	7	23	13	V	0.06	0	6.86	273
180970073	2013	7	23	14	V	0.02	0	7.21	282
180970073	2013	7	23	15	V	0.02	0	6.58	298
180970073	2013	7	23	16	V	0.01	0	7.04	298
180970073	2013	7	23	17	V	0.01	0	6.67	305
180970073	2013	7	23	18	V	0.01	0	7.72	311
180970073	2013	7	23	19	V	0.04	0	6.62	334
180970073	2013	7	23	20	V	0.03	0	7.42	356
180970073	2013	7	23	21	V	0.03	0	7.37	358
180970073	2013	7	23	22	V	0.03	0	5.68	2
180970073	2013	7	23	23	V	0.04	-999	5.17	354
180970073	2013	7	23	24	V	0.04	-999	5.6	347
180970073	2013	7	24	1	V	0.02	0	6.53	351
180970073	2013	7	24	2	V	0.02	0	5.05	358
180970073	2013	7	24	3	V	0.02	0	2.96	360
180970073	2013	7	24	4	V	0.02	0	3	358
180970073	2013	7	24	5	V	0.02	0	4.66	8
180970073	2013	7	24	6	V	0.03	0	5.1	18
180970073	2013	7	24	7	V	0.03	0	5.19	27
180970073	2013	7	24	8	V	0.02	0	6.33	27
180970073	2013	7	24	9	V	0.02	0	6.07	35
180970073	2013	7	24	10	V	0.06	0	4.31	39
180970073	2013	7	24	11	V	0.08	0	3.93	26
180970073	2013	7	24	12	V	0.05	0	4.65	21
180970073	2013	7	24	13	V	0.05	0	4.53	39
180970073	2013	7	24	14	V	0.05	0	4.42	31
180970073	2013	7	24	15	V	0.05	0	4.07	18
180970073	2013	7	24	16	V	0.04	0	4	21

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	24	17	V	0.03	0	4.22	18
180970073	2013	7	24	18	V	0.04	0	4.17	14
180970073	2013	7	24	19	V	0.02	0	4.63	25
180970073	2013	7	24	20	V	0.02	0	5.09	20
180970073	2013	7	24	21	V	0.02	0	4.54	29
180970073	2013	7	24	22	V	0.02	0	3.83	34
180970073	2013	7	24	23	V	0.02	0	3.42	35
180970073	2013	7	24	24	V	0.03	0	2.76	32
180970073	2013	7	25	1	V	0.03	0	2.5	43
180970073	2013	7	25	2	V	0.03	0	2.47	38
180970073	2013	7	25	3	V	0.02	0	2.66	68
180970073	2013	7	25	4	V	0.03	0	2.39	61
180970073	2013	7	25	5	V	0.05	0	1.91	15
180970073	2013	7	25	6	V	0.3	0	2.15	17
180970073	2013	7	25	7	V	0.2	0	2.42	38
180970073	2013	7	25	8	V	0.4	0	1.76	39
180970073	2013	7	25	9	V	0.3	0	2.23	38
180970073	2013	7	25	10	V	0.08	0	3.75	37
180970073	2013	7	25	11	V	0.05	0	4.39	48
180970073	2013	7	25	12	V	0.06	0	4	41
180970073	2013	7	25	13	V	0.09	0	3.47	26
180970073	2013	7	25	14	V	0.1	0	3.1	7
180970073	2013	7	25	15	V	0.09	0	3.12	37
180970073	2013	7	25	16	V	0.07	0	3.13	19
180970073	2013	7	25	17	V	0.06	0	2.76	36
180970073	2013	7	25	18	V	0.05	0	2.67	12
180970073	2013	7	25	19	V	0.03	0	3.93	346
180970073	2013	7	25	20	V	0.02	0	3.34	3
180970073	2013	7	25	21	V	0.04	0	2.49	355
180970073	2013	7	25	22	V	0.04	0	2.49	50
180970073	2013	7	25	23	V	0.07	0	1.6	4
180970073	2013	7	25	24	V	0.05	0	1.38	33
180970073	2013	7	26	1	V	0.02	0	2.15	41
180970073	2013	7	26	2	V	0.02	0	2.05	76
180970073	2013	7	26	3	V	0.04	0	1.45	73
180970073	2013	7	26	4	V	0.02	0	2.08	97
180970073	2013	7	26	5	V	0.05	0	2.3	111
180970073	2013	7	26	6	V	0.3	0	1.33	91
180970073	2013	7	26	7	V	0.2	0	1.65	116
180970073	2013	7	26	8	V	0.1	0	2.03	125
180970073	2013	7	26	9	V	0.08	0	2.61	159
180970073	2013	7	26	10	V	0.03	0.7	3.42	177
180970073	2013	7	26	11	V	0.02	5.9	4.15	169
180970073	2013	7	26	12	V	0.02	1.6	4.27	189
180970073	2013	7	26	13	V	0.07	0.6	4.44	212
180970073	2013	7	26	14	V	0.4	0.7	4.32	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	26	15	V	0.08	0	4.27	213
180970073	2013	7	26	16	V	0.1	0	5.14	219
180970073	2013	7	26	17	V	0.4	0	5.34	227
180970073	2013	7	26	18	V	0.03	0	5.63	216
180970073	2013	7	26	19	V	1.0	0.8	4.85	239
180970073	2013	7	26	20	V	1.2	0.7	4.1	236
180970073	2013	7	26	21	V	1.7	0.1	4.12	234
180970073	2013	7	26	22	V	0.01	0.4	3.27	201
180970073	2013	7	26	23	V	0.01	0.5	2.91	200
180970073	2013	7	26	24	V	0.03	0	4.08	219
180970073	2013	7	27	1	V	0.01	0	3.44	195
180970073	2013	7	27	2	V	0.01	0	4.15	195
180970073	2013	7	27	3	V	0.01	0	4.54	204
180970073	2013	7	27	4	V	0.01	0	3.13	216
180970073	2013	7	27	5	V	0.02	0	4.05	210
180970073	2013	7	27	6	V	0.07	0	5.34	219
180970073	2013	7	27	7	V	0.5	0	5.73	225
180970073	2013	7	27	8	V	1.0	0	5.72	231
180970073	2013	7	27	9	V	1.8	0	5.48	246
180970073	2013	7	27	10	V	0.7	0.2	5.97	257
180970073	2013	7	27	11	V	0.6	0.5	5.99	258
180970073	2013	7	27	12	V	0.6	0	6.38	256
180970073	2013	7	27	13	V	0.6	0	6.74	257
180970073	2013	7	27	14	V	0.6	0	6.91	257
180970073	2013	7	27	15	V	0.1	0	7.65	266
180970073	2013	7	27	16	V	0.01	0	7.69	273
180970073	2013	7	27	17	V	0.003	0	7.94	281
180970073	2013	7	27	18	V	0.01	0	8.16	282
180970073	2013	7	27	19	V	0.01	0	7.16	282
180970073	2013	7	27	20	V	0.01	0	6.45	288
180970073	2013	7	27	21	V	0.01	0	4.85	289
180970073	2013	7	27	22	V	0.01	0	4.32	284
180970073	2013	7	27	23	V	0.01	-999	4.87	300
180970073	2013	7	27	24	V	0.01	0	3.46	299
180970073	2013	7	28	1	V	0.01	0	2.74	278
180970073	2013	7	28	2	V	0.01	0	3.15	268
180970073	2013	7	28	3	V	8.4	0	3.17	249
180970073	2013	7	28	4	V	0.7	0	2.64	237
180970073	2013	7	28	5	V	0.8	0	3.17	237
180970073	2013	7	28	6	V	2.5	0	3.44	240
180970073	2013	7	28	7	V	3.3	0.8	3.51	245
180970073	2013	7	28	8	V	0.9	2.1	4.07	242
180970073	2013	7	28	9	V	0.6	1.1	4.49	241
180970073	2013	7	28	10	V	0.4	4.4	5.19	240
180970073	2013	7	28	11	V	0.5	1.2	6.57	245
180970073	2013	7	28	12	V	0.5	0	6.99	252

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	28	13	V	0.5	0.1	7.26	244
180970073	2013	7	28	14	V	0.3	0	7.37	236
180970073	2013	7	28	15	V	0.4	0	7.77	239
180970073	2013	7	28	16	V	0.3	0	8.13	240
180970073	2013	7	28	17	V	1.0	0	7.13	246
180970073	2013	7	28	18	V	5.1	0.2	6.48	249
180970073	2013	7	28	19	V	6.4	0.9	4.97	252
180970073	2013	7	28	20	V	4.2	0	4.15	246
180970073	2013	7	28	21	V	0.6	0	3	225
180970073	2013	7	28	22	V	0.01	0	3.1	216
180970073	2013	7	28	23	V	3.5	0	2.08	233
180970073	2013	7	28	24	V	1.2	0.3	2.69	244
180970073	2013	7	29	1	V	8.9	0	1.99	249
180970073	2013	7	29	2	V	0.2	0	1.77	265
180970073	2013	7	29	3	V	1.1	0	2.04	242
180970073	2013	7	29	4	V	1.8	0	2.23	244
180970073	2013	7	29	5	V	5.6	0	2.2	244
180970073	2013	7	29	6	V	4.7	0	2.13	260
180970073	2013	7	29	7	V	1.2	0	1.71	277
180970073	2013	7	29	8	V	1.5	0	1.72	270
180970073	2013	7	29	9	V	1.2	0	1.38	290
180970073	2013	7	29	10	V	0.5	0	2.74	277
180970073	2013	7	29	11	V	0.3	0	3.47	278
180970073	2013	7	29	12	V	0.1	0	4.87	278
180970073	2013	7	29	13	V	0.2	0	4.63	271
180970073	2013	7	29	14	V	0.3	0	4.29	268
180970073	2013	7	29	15	V	0.7	0	3.71	262
180970073	2013	7	29	16	V	0.2	0	3.68	271
180970073	2013	7	29	17	V	0.9	0	3.76	258
180970073	2013	7	29	18	V	0.09	0	3.98	272
180970073	2013	7	29	19	V	0.04	0	3.8	289
180970073	2013	7	29	20	V	0.04	0	2.86	299
180970073	2013	7	29	21	V	0.1	0	1.76	322
180970073	2013	7	29	22	V	0.2	0	1.48	347
180970073	2013	7	29	23	V	0.9	0	0.8	353
180970073	2013	7	29	24	V	0.5	0	0.97	64
180970073	2013	7	30	1	V	0.2	0	1.45	107
180970073	2013	7	30	2	V	0.06	0	2.08	125
180970073	2013	7	30	3	V	0.07	0	1.93	118
180970073	2013	7	30	4	V	0.08	0	1.84	113
180970073	2013	7	30	5	V	0.2	0	2.2	116
180970073	2013	7	30	6	V	0.5	0	2.47	112
180970073	2013	7	30	7	V	0.9	0	1.82	102
180970073	2013	7	30	8	V	0.4	0	2.66	118
180970073	2013	7	30	9	V	0.2	0	3.46	140
180970073	2013	7	30	10	V	0.2	0	3.2	162

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	7	30	11	V	0.1	0	3.05	157
180970073	2013	7	30	12	V	0.1	0	3.23	149
180970073	2013	7	30	13	V	0.1	0	3.07	148
180970073	2013	7	30	14	V	0.1	0	3.27	143
180970073	2013	7	30	15	V	0.05	0	4.02	138
180970073	2013	7	30	16	V	0.08	0	2.93	128
180970073	2013	7	30	17	V	0.07	0	2.56	109
180970073	2013	7	30	18	V	0.06	0	3.3	98
180970073	2013	7	30	19	V	0.05	0	2.96	111
180970073	2013	7	30	20	V	0.05	0	2.98	142
180970073	2013	7	30	21	V	0.05	0	4.36	167
180970073	2013	7	30	22	V	0.05	0	3.25	154
180970073	2013	7	30	23	V	0.05	0	3.32	162
180970073	2013	7	30	24	V	0.04	0	3.05	147
180970073	2013	7	31	1	V	0.04	0	2.74	128
180970073	2013	7	31	2	V	0.04	0	3.74	137
180970073	2013	7	31	3	V	0.04	0	3.59	141
180970073	2013	7	31	4	V	0.04	0	3.73	146
180970073	2013	7	31	5	V	0.05	0	3.85	138
180970073	2013	7	31	6	V	0.2	0	3.51	149
180970073	2013	7	31	7	V	0.3	0	2.98	142
180970073	2013	7	31	8	V	0.2	0	3.13	146
180970073	2013	7	31	9	V	0.3	0	2.71	162
180970073	2013	7	31	10	V	0.2	0	2.96	180
180970073	2013	7	31	11	V	0.3	0	2.81	187
180970073	2013	7	31	12	V	1.0	0.4	2.37	208
180970073	2013	7	31	13	V	6.5	6.8	2.13	218
180970073	2013	7	31	14	V	13.4	19.5	1.99	233
180970073	2013	7	31	15	V	5.6	22.2	2.89	246
180970073	2013	7	31	16	V	11.5	8.4	3.03	231
180970073	2013	7	31	17	V	10.5	9.7	2.72	237
180970073	2013	7	31	18	V	21.6	10	3.22	230
180970073	2013	7	31	19	V	9.8	3.6	2.91	250
180970073	2013	7	31	20	V	0.05	1.2	2.59	269
180970073	2013	7	31	21	V	0.2	0	1.62	274
180970073	2013	7	31	22	V	0.05	0	2.49	290
180970073	2013	7	31	23	V	0.04	0	3.15	307
180970073	2013	7	31	24	V	0.03	0	3.17	316
180970073	2013	8	1	1	V	0.06	0	2.27	316
180970073	2013	8	1	2	V	0.06	0	2.22	285
180970073	2013	8	1	3	V	0.05	0	2.54	276
180970073	2013	8	1	4	V	0.04	0	2.76	293
180970073	2013	8	1	5	V	0.06	0	2.39	291
180970073	2013	8	1	6	V	0.4	0	2.56	291
180970073	2013	8	1	7	V	1.2	0	2.55	270
180970073	2013	8	1	8	V	0.09	0	4.2	320

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	1	9	V	0.3	0.3	2.81	303
180970073	2013	8	1	10	V	0.2	0	3.2	307
180970073	2013	8	1	11	V	0.07	0	4.85	320
180970073	2013	8	1	12	V	0.06	0	4.92	310
180970073	2013	8	1	13	V	0.03	0	5.62	288
180970073	2013	8	1	14	V	0.01	0	7.83	298
180970073	2013	8	1	15	V	0.01	0	9.07	295
180970073	2013	8	1	16	V	0.01	0	8.73	296
180970073	2013	8	1	17	V	0.01	0	8.2	306
180970073	2013	8	1	18	V	0.05	0	6.45	301
180970073	2013	8	1	19	V	0.04	0	5.79	288
180970073	2013	8	1	20	V	0.04	0	3.93	279
180970073	2013	8	1	21	V	0.2	0	3.58	265
180970073	2013	8	1	22	V	0.04	0	3	283
180970073	2013	8	1	23	V	0.05	0	2.76	282
180970073	2013	8	1	24	V	0.05	0	2.83	283
180970073	2013	8	2	1	V	0.05	0	2.54	300
180970073	2013	8	2	2	V	0.07	0	2.16	288
180970073	2013	8	2	3	V	0.09	0	1.82	287
180970073	2013	8	2	4	V	2.8	0	1.98	244
180970073	2013	8	2	5	V	4.3	0	1.89	224
180970073	2013	8	2	6	V	0.9	0	1.76	196
180970073	2013	8	2	7	V	11.1	0	1.84	218
180970073	2013	8	2	8	V	3.5	1.7	1.81	210
180970073	2013	8	2	9	V	0.1	2.1	4.03	190
180970073	2013	8	2	10	V	0.06	0.8	5.05	202
180970073	2013	8	2	11	V	0.2	0	6.36	211
180970073	2013	8	2	12	V	4.0	15	7.64	231
180970073	2013	8	2	13	V	3.8	6.7	8.64	231
180970073	2013	8	2	14	V	3.2	10.7	8.85	231
180970073	2013	8	2	15	V	1.0	15.1	8.93	223
180970073	2013	8	2	16	V	0.05	6.6	6.77	215
180970073	2013	8	2	17	V	0.04	2.5	5.41	215
180970073	2013	8	2	18	V	0.05	0	5.96	210
180970073	2013	8	2	19	V	0.05	0	4.9	213
180970073	2013	8	2	20	V	0.05	0	4.05	213
180970073	2013	8	2	21	V	0.05	0.4	3.29	205
180970073	2013	8	2	22	V	0.05	0	3.46	196
180970073	2013	8	2	23	V	0.04	0	3.81	207
180970073	2013	8	2	24	V	27.9	5.1	3.37	234
180970073	2013	8	3	1	V	11.8	19.3	3.46	228
180970073	2013	8	3	2	V	7.2	9.8	4.19	251
180970073	2013	8	3	3	V	0.04	0.3	2.49	301
180970073	2013	8	3	4	V	20.1	0	1.71	229
180970073	2013	8	3	5	V	0.05	0	3.12	180
180970073	2013	8	3	6	V	9.2	0	3.08	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	3	7	V	6.8	0	2.69	254
180970073	2013	8	3	8	V	9.2	0	2.73	249
180970073	2013	8	3	9	V	0.4	0	2.4	277
180970073	2013	8	3	10	V	0.1	0	3.44	354
180970073	2013	8	3	11	V	0.7	0	1.74	344
180970073	2013	8	3	12	V	1.1	0	1.76	342
180970073	2013	8	3	13	V	0.2	0	3.15	2
180970073	2013	8	3	14	V	0.2	0	3.13	334
180970073	2013	8	3	15	V	0.1	0	3.63	352
180970073	2013	8	3	16	V	0.09	0	3.44	355
180970073	2013	8	3	17	V	0.03	0	4.48	329
180970073	2013	8	3	18	V	0.05	0	4.92	337
180970073	2013	8	3	19	V	0.04	0	5.24	345
180970073	2013	8	3	20	V	0.04	0	5.84	356
180970073	2013	8	3	21	V	0.04	0	6.02	5
180970073	2013	8	3	22	V	0.04	0	4.88	4
180970073	2013	8	3	23	V	0.03	-999	3.54	1
180970073	2013	8	3	24	V	0.04	0	3.69	8
180970073	2013	8	4	1	V	0.03	0	2.88	359
180970073	2013	8	4	2	V	0.04	0	2.54	335
180970073	2013	8	4	3	V	0.03	0	2.93	341
180970073	2013	8	4	4	V	0.03	0	3.49	353
180970073	2013	8	4	5	V	0.04	0	3.73	5
180970073	2013	8	4	6	V	0.2	0	3.47	6
180970073	2013	8	4	7	V	0.2	0	3.12	14
180970073	2013	8	4	8	V	0.1	0	3.03	34
180970073	2013	8	4	9	V	0.09	0	3.52	56
180970073	2013	8	4	10	V	0.1	0	3.44	49
180970073	2013	8	4	11	V	0.09	0	3.69	54
180970073	2013	8	4	12	V	0.07	0	4.07	34
180970073	2013	8	4	13	V	0.06	0	4.6	17
180970073	2013	8	4	14	V	0.06	0	4.48	1
180970073	2013	8	4	15	V	0.07	0	3.86	21
180970073	2013	8	4	16	V	0.08	0	3.3	16
180970073	2013	8	4	17	V	0.06	0	3.22	351
180970073	2013	8	4	18	V	0.05	0	3.15	342
180970073	2013	8	4	19	V	0.04	0	3.9	328
180970073	2013	8	4	20	V	0.04	0	3.56	346
180970073	2013	8	4	21	V	0.07	0	2.21	14
180970073	2013	8	4	22	V	0.1	0	1.77	67
180970073	2013	8	4	23	V	0.1	0	1.55	112
180970073	2013	8	4	24	V	0.4	0	1.09	100
180970073	2013	8	5	1	V	1.2	0	0.69	104
180970073	2013	8	5	2	C	-999	0	0	0
180970073	2013	8	5	3	C	-999	0	0	0
180970073	2013	8	5	4	V	1.2	0	0.69	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	5	5	V	0.7	0	0.87	190
180970073	2013	8	5	6	V	1.6	0	1.13	112
180970073	2013	8	5	7	V	1.0	0	1.57	183
180970073	2013	8	5	8	V	0.3	0	2.96	200
180970073	2013	8	5	9	V	0.1	2.4	3.95	188
180970073	2013	8	5	10	V	0.09	1.8	4.32	189
180970073	2013	8	5	11	V	0.6	0.4	3.18	203
180970073	2013	8	5	12	V	1.7	0	2.73	211
180970073	2013	8	5	13	V	0.09	0	3.83	190
180970073	2013	8	5	14	V	0.06	0	4.48	188
180970073	2013	8	5	15	V	0.05	0	4.39	175
180970073	2013	8	5	16	V	0.03	0	4.03	200
180970073	2013	8	5	17	V	0.02	0	4.49	205
180970073	2013	8	5	18	V	0.06	0	4.59	186
180970073	2013	8	5	19	V	0.06	0	2.21	159
180970073	2013	8	5	20	V	0.04	0	3.13	125
180970073	2013	8	5	21	V	0.04	0	3.05	135
180970073	2013	8	5	22	V	0.04	0	3.42	133
180970073	2013	8	5	23	V	0.05	0	2.95	135
180970073	2013	8	5	24	V	0.04	0	3.86	149
180970073	2013	8	6	1	V	0.04	0	3.66	155
180970073	2013	8	6	2	V	0.04	0	3.93	175
180970073	2013	8	6	3	V	0.04	0	2.62	187
180970073	2013	8	6	4	V	0.04	0	2.56	181
180970073	2013	8	6	5	V	0.05	0	2.81	167
180970073	2013	8	6	6	V	0.2	0	2.96	168
180970073	2013	8	6	7	V	0.2	0	3.35	171
180970073	2013	8	6	8	V	0.1	0	3.51	178
180970073	2013	8	6	9	V	0.08	0.4	4.26	171
180970073	2013	8	6	10	V	0.1	0.8	3.59	167
180970073	2013	8	6	11	V	0.2	0.5	3.03	179
180970073	2013	8	6	12	V	0.1	0	3.88	188
180970073	2013	8	6	13	V	0.4	0	2.33	196
180970073	2013	8	6	14	V	0.2	1.6	2.56	196
180970073	2013	8	6	15	V	0.1	0.6	3.32	180
180970073	2013	8	6	16	V	0.3	0	2.08	185
180970073	2013	8	6	17	V	0.05	0	3.61	176
180970073	2013	8	6	18	V	0.06	0	3.9	174
180970073	2013	8	6	19	V	0.04	0	3.78	183
180970073	2013	8	6	20	V	0.04	0	2.96	174
180970073	2013	8	6	21	V	0.06	0	2.42	140
180970073	2013	8	6	22	V	0.04	0	2.98	151
180970073	2013	8	6	23	V	0.04	0	3.68	184
180970073	2013	8	6	24	V	0.04	0	3.3	194
180970073	2013	8	7	1	V	0.03	0	3.49	212
180970073	2013	8	7	2	V	0.03	0	3.13	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	7	3	V	0.2	0	1.84	219
180970073	2013	8	7	4	V	0.04	0.1	2.66	205
180970073	2013	8	7	5	V	0.09	0	2.49	177
180970073	2013	8	7	6	V	0.2	0	2.59	174
180970073	2013	8	7	7	V	0.2	0	3.81	181
180970073	2013	8	7	8	V	0.1	0	4.32	170
180970073	2013	8	7	9	V	0.1	0	4.24	200
180970073	2013	8	7	10	V	0.06	0	4.61	208
180970073	2013	8	7	11	V	0.5	2.4	5.11	217
180970073	2013	8	7	12	V	5.2	6.4	4.48	224
180970073	2013	8	7	13	V	3.7	8.5	2.98	218
180970073	2013	8	7	14	V	0.06	7.3	3.86	197
180970073	2013	8	7	15	V	0.07	2.1	3.61	197
180970073	2013	8	7	16	V	0.04	4.9	4.05	194
180970073	2013	8	7	17	V	0.03	0.3	3.93	206
180970073	2013	8	7	18	V	0.06	0	4.78	199
180970073	2013	8	7	19	V	0.05	0	4.82	192
180970073	2013	8	7	20	V	0.05	0	3.17	207
180970073	2013	8	7	21	V	0.05	7.4	2.64	211
180970073	2013	8	7	22	V	41.6	5	2.08	232
180970073	2013	8	7	23	V	35.3	2.6	3.24	233
180970073	2013	8	7	24	V	31.9	2	3.66	232
180970073	2013	8	8	1	V	0.3	1.4	1.82	264
180970073	2013	8	8	2	V	0.6	0.1	0.82	301
180970073	2013	8	8	3	V	22.6	0	1.72	229
180970073	2013	8	8	4	V	0.2	0	2.16	264
180970073	2013	8	8	5	V	0.2	0	1.23	329
180970073	2013	8	8	6	V	1.3	0	1.18	23
180970073	2013	8	8	7	V	0.9	0	2.11	67
180970073	2013	8	8	8	V	0.5	0	2.32	75
180970073	2013	8	8	9	V	1.4	0	1.71	117
180970073	2013	8	8	10	V	0.6	0	2.28	126
180970073	2013	8	8	11	V	0.2	0	3.2	155
180970073	2013	8	8	12	V	0.08	0	4.21	181
180970073	2013	8	8	13	V	3.8	0	4.56	226
180970073	2013	8	8	14	V	1.8	5.1	4.54	250
180970073	2013	8	8	15	V	0.02	0	5.53	279
180970073	2013	8	8	16	V	0.02	0	4.99	349
180970073	2013	8	8	17	V	0.04	0	3.15	46
180970073	2013	8	8	18	V	0.05	0	3.57	42
180970073	2013	8	8	19	V	0.04	0	3.08	20
180970073	2013	8	8	20	V	0.05	0	3.78	14
180970073	2013	8	8	21	V	0.05	0	4.8	15
180970073	2013	8	8	22	V	0.05	0	4.36	40
180970073	2013	8	8	23	V	0.03	0	4.2	45
180970073	2013	8	8	24	V	0.01	0	3.88	36

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	9	1	V	0.01	0	4	41
180970073	2013	8	9	2	V	0.01	0	3.37	38
180970073	2013	8	9	3	V	0.01	0	3.13	23
180970073	2013	8	9	4	V	0.01	0	3.59	3
180970073	2013	8	9	5	V	0.02	0	3.27	2
180970073	2013	8	9	6	V	0.05	0	2.93	10
180970073	2013	8	9	7	V	0.08	0	2.59	2
180970073	2013	8	9	8	V	0.05	0	3.4	7
180970073	2013	8	9	9	V	0.05	0	3.69	16
180970073	2013	8	9	10	V	0.03	0	3.83	21
180970073	2013	8	9	11	V	0.06	0	2.62	32
180970073	2013	8	9	12	V	0.1	0	2.06	3
180970073	2013	8	9	13	V	0.1	0	2.03	349
180970073	2013	8	9	14	V	0.1	0	2.01	308
180970073	2013	8	9	15	V	0.05	0	2.61	317
180970073	2013	8	9	16	V	0.02	0	3.35	321
180970073	2013	8	9	17	V	0.01	0	4.15	325
180970073	2013	8	9	18	V	0.01	0	4.85	340
180970073	2013	8	9	19	V	0.01	0	4.41	332
180970073	2013	8	9	20	V	0.01	0	3.83	342
180970073	2013	8	9	21	V	0.01	0	2.56	5
180970073	2013	8	9	22	V	0.02	0	2.32	17
180970073	2013	8	9	23	V	0.04	0	1.62	2
180970073	2013	8	9	24	V	0.2	0	0.97	357
180970073	2013	8	10	1	V	0.5	0	0.57	32
180970073	2013	8	10	2	V	0.04	0	1.6	325
180970073	2013	8	10	3	V	0.03	0	1.69	319
180970073	2013	8	10	4	V	0.01	0	2.44	360
180970073	2013	8	10	5	V	0.03	0	1.5	311
180970073	2013	8	10	6	V	0.1	0	1.91	360
180970073	2013	8	10	7	V	0.7	0	1.09	351
180970073	2013	8	10	8	V	0.7	0	0.8	291
180970073	2013	8	10	9	V	0.3	0	1.55	30
180970073	2013	8	10	10	V	0.4	0	0.87	77
180970073	2013	8	10	11	V	0.3	0	1.08	130
180970073	2013	8	10	12	V	0.2	0	1.76	220
180970073	2013	8	10	13	V	0.5	0.1	2.27	238
180970073	2013	8	10	14	V	0.4	2.9	2.9	266
180970073	2013	8	10	15	V	0.5	3.2	3	258
180970073	2013	8	10	16	V	0.1	0.2	3.35	275
180970073	2013	8	10	17	V	0.04	0	3.61	277
180970073	2013	8	10	18	V	0.01	0	3.91	291
180970073	2013	8	10	19	V	0.01	0	4.24	321
180970073	2013	8	10	20	V	0.01	0	3.97	347
180970073	2013	8	10	21	V	0.01	0	2.73	351
180970073	2013	8	10	22	V	0.02	0	2.4	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	10	23	V	0.01	-999	2.62	323
180970073	2013	8	10	24	V	0.01	0	3.03	331
180970073	2013	8	11	1	V	0.02	0	2.01	350
180970073	2013	8	11	2	V	0.02	0	2.01	358
180970073	2013	8	11	3	V	0.03	0	1.65	4
180970073	2013	8	11	4	V	0.03	0	1.76	15
180970073	2013	8	11	5	V	0.04	0	1.42	27
180970073	2013	8	11	6	V	0.3	0	1.13	315
180970073	2013	8	11	7	V	0.1	0	2.1	315
180970073	2013	8	11	8	V	0.1	0	2.23	320
180970073	2013	8	11	9	V	0.3	0	1.59	311
180970073	2013	8	11	10	V	0.1	0	2.23	310
180970073	2013	8	11	11	V	0.08	0	2.67	320
180970073	2013	8	11	12	V	0.4	0	2.38	270
180970073	2013	8	11	13	V	0.1	0	3.9	277
180970073	2013	8	11	14	V	0.03	0	4.41	282
180970073	2013	8	11	15	V	0.03	0	4.34	281
180970073	2013	8	11	16	V	0.02	0	3.76	288
180970073	2013	8	11	17	V	0.01	0	3.56	309
180970073	2013	8	11	18	V	0.01	0	3.51	304
180970073	2013	8	11	19	V	0.01	0	3.22	310
180970073	2013	8	11	20	V	0.01	0	2.93	316
180970073	2013	8	11	21	V	0.01	0	2.57	331
180970073	2013	8	11	22	V	0.02	0	2.4	330
180970073	2013	8	11	23	V	0.03	0	1.76	357
180970073	2013	8	11	24	V	0.2	0	1.08	328
180970073	2013	8	12	1	V	4.2	0	1.14	242
180970073	2013	8	12	2	V	0.06	0	1.45	352
180970073	2013	8	12	3	V	0.05	0	1.47	166
180970073	2013	8	12	4	V	9.5	0	1.28	234
180970073	2013	8	12	5	V	13.0	0	1.3	236
180970073	2013	8	12	6	V	3.2	0	0.91	208
180970073	2013	8	12	7	V	2.0	0	1.03	44
180970073	2013	8	12	8	V	1.5	0	1.25	115
180970073	2013	8	12	9	V	0.9	0	1.64	175
180970073	2013	8	12	10	V	1.3	0	3.59	214
180970073	2013	8	12	11	V	1.5	0	2.93	212
180970073	2013	8	12	12	V	2.9	0	2.61	230
180970073	2013	8	12	13	V	0.4	0	3.57	206
180970073	2013	8	12	14	V	0.6	5.5	4	210
180970073	2013	8	12	15	V	3.4	16.6	4.66	232
180970073	2013	8	12	16	V	0.8	4.3	4.68	259
180970073	2013	8	12	17	V	0.02	0	4.46	272
180970073	2013	8	12	18	V	0.3	0	4.17	266
180970073	2013	8	12	19	V	8.3	0	3.27	251
180970073	2013	8	12	20	V	30.0	1.2	3.35	232

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	12	21	V	0.05	0.3	3.25	272
180970073	2013	8	12	22	V	0.04	0	2.73	278
180970073	2013	8	12	23	V	0.4	0	3.61	263
180970073	2013	8	12	24	V	0.03	0	3.47	282
180970073	2013	8	13	1	V	0.05	0	2.36	292
180970073	2013	8	13	2	V	0.2	0	2.86	265
180970073	2013	8	13	3	V	0.05	0	2.36	303
180970073	2013	8	13	4	V	0.03	0	2.81	310
180970073	2013	8	13	5	V	0.05	0	3.05	324
180970073	2013	8	13	6	V	0.2	0	3.03	355
180970073	2013	8	13	7	V	0.1	0	3.63	3
180970073	2013	8	13	8	V	0.05	0	5.12	8
180970073	2013	8	13	9	V	0.05	0	4.75	11
180970073	2013	8	13	10	V	0.04	0	5.02	359
180970073	2013	8	13	11	V	0.03	0	5.63	4
180970073	2013	8	13	12	V	0.03	0	5.38	345
180970073	2013	8	13	13	V	0.02	0	5.9	344
180970073	2013	8	13	14	V	0.02	0	6.21	347
180970073	2013	8	13	15	V	0.01	0	7.52	334
180970073	2013	8	13	16	V	0.01	0	8.44	334
180970073	2013	8	13	17	V	0.01	0	7.84	348
180970073	2013	8	13	18	V	0.03	0	8.32	346
180970073	2013	8	13	19	V	0.03	0	7.89	358
180970073	2013	8	13	20	V	0.03	0	6.53	355
180970073	2013	8	13	21	V	0.03	0	5.46	354
180970073	2013	8	13	22	V	0.03	0	5.62	354
180970073	2013	8	13	23	V	0.03	0	4.43	355
180970073	2013	8	13	24	V	0.03	0	4.34	1
180970073	2013	8	14	1	V	0.02	0	3.73	4
180970073	2013	8	14	2	V	0.01	0	3.95	2
180970073	2013	8	14	3	V	0.01	0	3.29	357
180970073	2013	8	14	4	V	0.01	0	3.54	9
180970073	2013	8	14	5	V	0.01	0	2.93	16
180970073	2013	8	14	6	V	0.05	0	3.29	11
180970073	2013	8	14	7	V	0.06	0	3.17	354
180970073	2013	8	14	8	V	0.02	0	4.32	19
180970073	2013	8	14	9	V	0.01	0	4.56	27
180970073	2013	8	14	10	V	0.01	0	4.92	25
180970073	2013	8	14	11	V	0.01	0	4.95	13
180970073	2013	8	14	12	V	0.02	0	4.34	22
180970073	2013	8	14	13	V	0.01	0	4.7	20
180970073	2013	8	14	14	V	0.01	0	4.43	21
180970073	2013	8	14	15	V	0.01	0	4.49	14
180970073	2013	8	14	16	V	0.01	0	4.19	28
180970073	2013	8	14	17	V	0.01	0	4.1	22
180970073	2013	8	14	18	V	0.01	0	4.41	21

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	14	19	V	0.01	0	3.8	23
180970073	2013	8	14	20	V	0.01	0	3.81	26
180970073	2013	8	14	21	V	0.01	0	2.98	24
180970073	2013	8	14	22	V	0.01	0	2.56	6
180970073	2013	8	14	23	V	0.01	0	2.52	23
180970073	2013	8	14	24	V	0.01	0	2.49	27
180970073	2013	8	15	1	V	0.01	0	2.42	20
180970073	2013	8	15	2	V	0.02	0	1.98	53
180970073	2013	8	15	3	V	0.08	0	1.2	10
180970073	2013	8	15	4	V	0.02	0	1.88	3
180970073	2013	8	15	5	V	0.01	0	2.42	26
180970073	2013	8	15	6	V	0.1	0	2.16	47
180970073	2013	8	15	7	V	0.3	0	1.33	49
180970073	2013	8	15	8	V	0.2	0	1.67	74
180970073	2013	8	15	9	V	0.07	0	2.64	93
180970073	2013	8	15	10	V	0.08	0	2.4	101
180970073	2013	8	15	11	V	0.03	0	2.57	120
180970073	2013	8	15	12	V	0.09	0	2.27	88
180970073	2013	8	15	13	V	0.04	0	2.32	10
180970073	2013	8	15	14	V	0.04	0	2.84	32
180970073	2013	8	15	15	V	0.06	0	2.35	45
180970073	2013	8	15	16	V	0.01	0	3.4	16
180970073	2013	8	15	17	V	0.01	0	3.22	47
180970073	2013	8	15	18	V	0.01	0	3.17	43
180970073	2013	8	15	19	V	0.01	0	3.32	49
180970073	2013	8	15	20	V	0.01	0	3.49	79
180970073	2013	8	15	21	V	0.01	0	3.42	95
180970073	2013	8	15	22	V	0.01	0	2.66	90
180970073	2013	8	15	23	V	0.02	0	2.06	90
180970073	2013	8	15	24	V	0.02	0	1.96	72
180970073	2013	8	16	1	V	0.03	0	1.71	9
180970073	2013	8	16	2	V	0.04	0	1.48	30
180970073	2013	8	16	3	V	0.01	0	2.47	26
180970073	2013	8	16	4	V	0.01	0	2.74	46
180970073	2013	8	16	5	V	0.01	0	2.55	38
180970073	2013	8	16	6	V	0.07	0	2.83	29
180970073	2013	8	16	7	V	0.05	0	2.9	40
180970073	2013	8	16	8	V	0.06	0	2.64	34
180970073	2013	8	16	9	V	0.06	0	2.62	35
180970073	2013	8	16	10	V	0.06	0	2.49	30
180970073	2013	8	16	11	V	0.06	0	2.62	36
180970073	2013	8	16	12	V	0.03	0	3.22	63
180970073	2013	8	16	13	V	0.01	0	4.92	50
180970073	2013	8	16	14	V	0.01	0	5.17	48
180970073	2013	8	16	15	V	0.01	0	4.9	53
180970073	2013	8	16	16	V	0.01	0	4.85	66

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	16	17	V	0.01	0	4.71	58
180970073	2013	8	16	18	V	0.01	0	4.22	85
180970073	2013	8	16	19	V	0.01	0	4.09	91
180970073	2013	8	16	20	V	0.01	0	4.03	90
180970073	2013	8	16	21	V	0.01	0	2.84	80
180970073	2013	8	16	22	V	0.01	0	2.72	44
180970073	2013	8	16	23	V	0.01	0	2.93	42
180970073	2013	8	16	24	V	0.01	0	3.39	36
180970073	2013	8	17	1	V	0.01	0	3.15	33
180970073	2013	8	17	2	V	0.01	0	3.29	38
180970073	2013	8	17	3	V	0.01	0	2.98	37
180970073	2013	8	17	4	V	0.01	0	2.69	34
180970073	2013	8	17	5	V	0.01	0	2.88	31
180970073	2013	8	17	6	V	0.04	0	2.88	40
180970073	2013	8	17	7	V	0.06	0	3.27	35
180970073	2013	8	17	8	V	0.05	0	2.96	44
180970073	2013	8	17	9	V	0.03	0	3.29	44
180970073	2013	8	17	10	V	0.03	0	3.13	53
180970073	2013	8	17	11	V	0.02	0	3.95	85
180970073	2013	8	17	12	V	0.02	0.1	4.17	98
180970073	2013	8	17	13	V	0.01	0.7	4.03	99
180970073	2013	8	17	14	V	0.01	1.8	4.03	75
180970073	2013	8	17	15	V	0.01	1.4	4.75	99
180970073	2013	8	17	16	V	0.01	0.9	4.09	65
180970073	2013	8	17	17	V	0.005	0.1	4.31	53
180970073	2013	8	17	18	V	0.01	0	4.14	55
180970073	2013	8	17	19	V	0.01	0	4.7	68
180970073	2013	8	17	20	V	0.01	0	5.07	42
180970073	2013	8	17	21	V	0.01	0	4.05	34
180970073	2013	8	17	22	V	0.01	0	4.15	35
180970073	2013	8	17	23	V	0.01	-999	3.85	33
180970073	2013	8	17	24	V	0.01	0	3.83	31
180970073	2013	8	18	1	V	0.01	0	3.52	41
180970073	2013	8	18	2	V	0.01	0	3.01	44
180970073	2013	8	18	3	V	0.01	0	2.54	34
180970073	2013	8	18	4	V	0.01	0	2.37	41
180970073	2013	8	18	5	V	0.02	0	1.98	55
180970073	2013	8	18	6	V	0.06	0	2.91	41
180970073	2013	8	18	7	V	0.2	0	1.82	47
180970073	2013	8	18	8	V	0.4	0	1.31	69
180970073	2013	8	18	9	V	0.2	0	1.79	57
180970073	2013	8	18	10	V	0.2	3.3	1.72	96
180970073	2013	8	18	11	V	0.06	1.8	2.81	112
180970073	2013	8	18	12	V	0.02	0.6	3.71	106
180970073	2013	8	18	13	V	0.02	0.3	3.41	87
180970073	2013	8	18	14	V	0.03	0	2.91	107

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	18	15	V	0.06	0	2.15	88
180970073	2013	8	18	16	V	0.02	0	2.84	124
180970073	2013	8	18	17	V	0.02	0	2.25	152
180970073	2013	8	18	18	V	0.01	0	2.4	150
180970073	2013	8	18	19	V	0.02	0	2.15	161
180970073	2013	8	18	20	V	0.01	0	2.62	178
180970073	2013	8	18	21	V	0.02	0	2.37	211
180970073	2013	8	18	22	V	0.9	0	1.26	222
180970073	2013	8	18	23	V	3.9	0	1.42	230
180970073	2013	8	18	24	V	0.05	0	1.43	188
180970073	2013	8	19	1	V	7.8	0	1.47	249
180970073	2013	8	19	2	V	5.9	0	1.59	232
180970073	2013	8	19	3	V	0.4	0	0.96	272
180970073	2013	8	19	4	V	0.8	0	0.62	157
180970073	2013	8	19	5	V	0.1	0	1.45	281
180970073	2013	8	19	6	V	0.5	0	1.6	174
180970073	2013	8	19	7	V	4.1	0	1.43	216
180970073	2013	8	19	8	V	1.3	0	0.69	251
180970073	2013	8	19	9	V	0.7	16.9	1.45	228
180970073	2013	8	19	10	V	0.7	21.6	1.93	269
180970073	2013	8	19	11	V	0.6	0.9	1.62	267
180970073	2013	8	19	12	V	0.6	-999	1.87	264
180970073	2013	8	19	13	V	0.9	0	1.96	259
180970073	2013	8	19	14	V	0.5	0	2.45	269
180970073	2013	8	19	15	V	0.4	0	2.69	270
180970073	2013	8	19	16	V	0.4	0	2.35	273
180970073	2013	8	19	17	V	0.06	1.3	2.49	288
180970073	2013	8	19	18	V	0.02	1.1	3.15	278
180970073	2013	8	19	19	V	0.02	0.6	3.25	295
180970073	2013	8	19	20	V	0.03	0.4	2.66	321
180970073	2013	8	19	21	V	0.07	0	1.76	332
180970073	2013	8	19	22	V	0.1	0	1.59	335
180970073	2013	8	19	23	V	0.2	0	1.25	305
180970073	2013	8	19	24	V	0.3	0	1.43	267
180970073	2013	8	20	1	V	10.5	0	2.1	250
180970073	2013	8	20	2	V	0.5	0	0.84	320
180970073	2013	8	20	3	V	0.4	0	0.92	64
180970073	2013	8	20	4	V	0.3	0	1.11	305
180970073	2013	8	20	5	V	0.4	0	0.97	10
180970073	2013	8	20	6	V	0.5	0	1.52	113
180970073	2013	8	20	7	V	1.3	0	1.13	127
180970073	2013	8	20	8	V	0.9	0	1.42	125
180970073	2013	8	20	9	V	0.6	0.5	1.69	135
180970073	2013	8	20	10	V	0.3	1	2.16	160
180970073	2013	8	20	11	V	0.06	0.6	3.75	161
180970073	2013	8	20	12	V	0.05	2.8	4.12	148

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	20	13	V	0.06	0.5	3.56	136
180970073	2013	8	20	14	V	0.04	0	4.02	159
180970073	2013	8	20	15	V	0.06	0	3.59	126
180970073	2013	8	20	16	V	0.05	1.9	3.63	130
180970073	2013	8	20	17	V	0.04	0.5	3.32	145
180970073	2013	8	20	18	V	0.04	0	4.37	121
180970073	2013	8	20	19	V	0.04	0	5.27	154
180970073	2013	8	20	20	V	0.04	0	4.17	154
180970073	2013	8	20	21	V	0.05	0	4.41	166
180970073	2013	8	20	22	V	0.05	0	4.22	174
180970073	2013	8	20	23	V	0.04	0	3.15	150
180970073	2013	8	20	24	V	0.03	0	2.95	148
180970073	2013	8	21	1	V	0.03	0	2.69	180
180970073	2013	8	21	2	V	0.05	0	1.99	170
180970073	2013	8	21	3	V	0.04	0	2.27	199
180970073	2013	8	21	4	V	0.06	0	1.84	161
180970073	2013	8	21	5	V	0.03	0	2.4	125
180970073	2013	8	21	6	V	0.4	0	1.76	138
180970073	2013	8	21	7	V	0.7	0	1.72	154
180970073	2013	8	21	8	V	1.1	0.8	1.18	197
180970073	2013	8	21	9	V	1.5	11.7	1.79	222
180970073	2013	8	21	10	V	0.7	10.9	1.93	208
180970073	2013	8	21	11	V	0.5	19.7	2.03	201
180970073	2013	8	21	12	V	0.4	24.8	1.79	169
180970073	2013	8	21	13	V	0.2	15.7	2.16	188
180970073	2013	8	21	14	V	0.09	6.8	3.12	182
180970073	2013	8	21	15	V	0.3	6.3	3.69	209
180970073	2013	8	21	16	V	2.2	9.7	4.2	236
180970073	2013	8	21	17	V	1.3	3.6	5.05	250
180970073	2013	8	21	18	V	2.3	0	4.71	259
180970073	2013	8	21	19	V	7.3	0	3.98	249
180970073	2013	8	21	20	V	22.9	0	3.52	235
180970073	2013	8	21	21	V	37.4	3.5	2.4	233
180970073	2013	8	21	22	V	4.4	6.4	2.23	246
180970073	2013	8	21	23	V	0.3	2.8	1.65	265
180970073	2013	8	21	24	V	7.3	0.7	2.44	239
180970073	2013	8	22	1	V	3.9	0	2.42	246
180970073	2013	8	22	2	V	25.4	0	2.98	231
180970073	2013	8	22	3	V	7.9	0	2.18	248
180970073	2013	8	22	4	V	8.7	0	2.47	249
180970073	2013	8	22	5	V	7.0	0	2.16	255
180970073	2013	8	22	6	V	3.6	0	2.33	216
180970073	2013	8	22	7	V	1.7	4.6	3.25	214
180970073	2013	8	22	8	V	6.7	16	3.51	234
180970073	2013	8	22	9	V	2.8	12.3	4.31	245
180970073	2013	8	22	10	V	1.5	7.2	4.76	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	22	11	V	0.4	0.9	4.76	266
180970073	2013	8	22	12	V	0.07	0	4.56	280
180970073	2013	8	22	13	V	0.02	0	5.8	290
180970073	2013	8	22	14	V	0.03	0	5.14	325
180970073	2013	8	22	15	V	0.01	0	5.56	335
180970073	2013	8	22	16	V	0.01	0	6.87	354
180970073	2013	8	22	17	V	0.01	0	7.74	355
180970073	2013	8	22	18	V	0.03	0	6.12	14
180970073	2013	8	22	19	V	0.03	0	3.42	84
180970073	2013	8	22	20	V	0.03	0	3.46	152
180970073	2013	8	22	21	V	0.2	0	1.31	119
180970073	2013	8	22	22	V	0.2	0	1.23	162
180970073	2013	8	22	23	V	0.04	0	2.54	352
180970073	2013	8	22	24	V	0.03	0	3.81	347
180970073	2013	8	23	1	V	0.03	0	2.89	10
180970073	2013	8	23	2	V	0.04	0	1.98	8
180970073	2013	8	23	3	V	0.03	0	2.16	359
180970073	2013	8	23	4	V	0.02	0	3.4	28
180970073	2013	8	23	5	V	0.03	0	4.25	30
180970073	2013	8	23	6	V	0.1	0	2.98	34
180970073	2013	8	23	7	V	0.3	0	2.3	8
180970073	2013	8	23	8	V	0.3	0	2.2	24
180970073	2013	8	23	9	V	0.1	0	3.32	43
180970073	2013	8	23	10	V	0.08	0	3.69	39
180970073	2013	8	23	11	V	0.06	0	3.8	34
180970073	2013	8	23	12	V	0.04	0	4.2	20
180970073	2013	8	23	13	V	0.03	0	4.54	34
180970073	2013	8	23	14	V	0.02	0	4.7	34
180970073	2013	8	23	15	V	0.04	0	3.74	32
180970073	2013	8	23	16	V	0.02	0	3.85	34
180970073	2013	8	23	17	V	0.02	0	3.68	31
180970073	2013	8	23	18	V	0.02	0	4.39	20
180970073	2013	8	23	19	V	0.02	0	4.8	20
180970073	2013	8	23	20	V	0.03	0	4.41	30
180970073	2013	8	23	21	V	0.03	0	3.61	49
180970073	2013	8	23	22	V	0.03	0	3.35	52
180970073	2013	8	23	23	V	0.03	0	3.88	62
180970073	2013	8	23	24	V	0.03	0	3.9	68
180970073	2013	8	24	1	V	0.03	0	3.97	78
180970073	2013	8	24	2	V	0.03	0	4.22	94
180970073	2013	8	24	3	V	0.03	0	3	97
180970073	2013	8	24	4	V	0.03	0	3.24	93
180970073	2013	8	24	5	V	0.03	0	3.03	80
180970073	2013	8	24	6	V	0.6	0	1.71	66
180970073	2013	8	24	7	V	1.1	0	1.62	20
180970073	2013	8	24	8	V	0.7	0	1.82	47

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	24	9	V	0.3	0	2.37	85
180970073	2013	8	24	10	V	0.3	0	2.73	86
180970073	2013	8	24	11	V	0.2	0	2.98	81
180970073	2013	8	24	12	V	0.4	0	2.4	96
180970073	2013	8	24	13	V	0.7	0	1.99	55
180970073	2013	8	24	14	V	0.7	0	1.89	322
180970073	2013	8	24	15	V	0.4	0	2.45	282
180970073	2013	8	24	16	V	1.1	0	2.16	206
180970073	2013	8	24	17	V	0.09	0	2.33	177
180970073	2013	8	24	18	V	0.04	0	3.63	158
180970073	2013	8	24	19	V	0.04	0	2.84	147
180970073	2013	8	24	20	V	0.08	0	2.21	318
180970073	2013	8	24	21	V	0.1	0	1.72	335
180970073	2013	8	24	22	V	0.4	0	1.18	42
180970073	2013	8	24	23	V	0.3	-999	1.23	94
180970073	2013	8	24	24	V	1.3	0	0.63	43
180970073	2013	8	25	1	V	0.1	0	1.55	104
180970073	2013	8	25	2	V	0.09	0	1.81	107
180970073	2013	8	25	3	V	0.1	0	1.52	131
180970073	2013	8	25	4	V	0.3	0.1	1.23	189
180970073	2013	8	25	5	V	0.5	0	1.01	140
180970073	2013	8	25	6	V	0.5	0	1.93	111
180970073	2013	8	25	7	V	0.9	0	1.74	116
180970073	2013	8	25	8	V	0.5	0	2.06	131
180970073	2013	8	25	9	V	0.3	0	2.45	189
180970073	2013	8	25	10	V	1.1	1.5	3.29	211
180970073	2013	8	25	11	V	1.6	0	3.63	217
180970073	2013	8	25	12	V	0.7	0	2.86	204
180970073	2013	8	25	13	V	2.0	0.2	2.86	252
180970073	2013	8	25	14	V	0.6	0.7	2.36	277
180970073	2013	8	25	15	M	-999	0.2	2.36	999
180970073	2013	8	25	16	V	0.2	0	2.36	143
180970073	2013	8	25	17	V	0.2	0	1.76	153
180970073	2013	8	25	18	V	0.04	0	4.24	189
180970073	2013	8	25	19	V	0.04	0	4.1	193
180970073	2013	8	25	20	V	0.04	0	3.3	205
180970073	2013	8	25	21	V	28.6	0	1.74	237
180970073	2013	8	25	22	V	0.1	0	1.96	213
180970073	2013	8	25	23	V	0.3	0	1.35	210
180970073	2013	8	25	24	V	0.3	0	1.25	169
180970073	2013	8	26	1	V	0.2	0	1.4	203
180970073	2013	8	26	2	V	19.9	0	1.47	228
180970073	2013	8	26	3	V	0.07	0	2.13	218
180970073	2013	8	26	4	V	0.09	0	1.86	211
180970073	2013	8	26	5	V	15.2	0	2.13	237
180970073	2013	8	26	6	V	18.1	4.2	2.73	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	26	7	V	13.5	5.9	2.25	224
180970073	2013	8	26	8	V	4.8	13.3	2.78	218
180970073	2013	8	26	9	V	3.5	13.3	3.73	244
180970073	2013	8	26	10	V	0.8	5.7	5.17	257
180970073	2013	8	26	11	V	0.8	1.5	5.43	257
180970073	2013	8	26	12	V	0.5	0	5.63	262
180970073	2013	8	26	13	V	0.7	0	5.09	259
180970073	2013	8	26	14	V	0.6	0	4.36	262
180970073	2013	8	26	15	V	0.1	0	4.73	268
180970073	2013	8	26	16	V	1.5	0	5.16	249
180970073	2013	8	26	17	V	3.2	1.1	4.97	240
180970073	2013	8	26	18	V	10.4	8.1	5.38	226
180970073	2013	8	26	19	V	9.3	0	3.93	226
180970073	2013	8	26	20	V	0.04	6	2.96	216
180970073	2013	8	26	21	V	0.05	5.5	2.78	216
180970073	2013	8	26	22	V	0.04	2.2	2.96	214
180970073	2013	8	26	23	V	0.06	0.9	2.62	216
180970073	2013	8	26	24	V	0.1	0.5	2.88	222
180970073	2013	8	27	1	V	0.03	0.7	3.51	219
180970073	2013	8	27	2	V	22.0	7.4	3.73	231
180970073	2013	8	27	3	V	2.5	11.2	3.98	241
180970073	2013	8	27	4	V	1.8	6	3.63	244
180970073	2013	8	27	5	V	4.6	7.1	3.44	240
180970073	2013	8	27	6	V	22.0	5.3	3.58	232
180970073	2013	8	27	7	V	25.7	6.8	3.74	232
180970073	2013	8	27	8	V	16.3	8.2	4.03	227
180970073	2013	8	27	9	V	5.9	10.1	4.39	245
180970073	2013	8	27	10	V	1.7	3.7	3.98	256
180970073	2013	8	27	11	V	1.1	0.7	3.57	260
180970073	2013	8	27	12	V	1.3	0	4.32	255
180970073	2013	8	27	13	V	0.9	0	4.37	257
180970073	2013	8	27	14	V	0.4	0	5.67	262
180970073	2013	8	27	15	V	0.7	0	5.6	257
180970073	2013	8	27	16	V	1.1	0	6.43	252
180970073	2013	8	27	17	V	1.9	0	6.36	242
180970073	2013	8	27	18	V	26.0	1.4	5.9	233
180970073	2013	8	27	19	V	4.3	1.3	6.53	245
180970073	2013	8	27	20	V	25.3	0	5.14	235
180970073	2013	8	27	21	V	20.8	0	3.88	229
180970073	2013	8	27	22	V	29.2	0	4.22	231
180970073	2013	8	27	23	V	25.8	0	4.12	230
180970073	2013	8	27	24	V	29.1	13.6	4.08	232
180970073	2013	8	28	1	V	20.0	18.1	4.71	231
180970073	2013	8	28	2	V	21.4	10.6	5.02	233
180970073	2013	8	28	3	V	10.4	1.4	4.39	238
180970073	2013	8	28	4	V	18.1	0.2	4.75	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	28	5	V	4.5	2.5	4.71	246
180970073	2013	8	28	6	V	3.8	5.1	4.6	247
180970073	2013	8	28	7	V	5.4	9.4	5.04	242
180970073	2013	8	28	8	V	1.7	9.2	6.69	251
180970073	2013	8	28	9	V	0.7	1.2	7.2	259
180970073	2013	8	28	10	V	0.05	0	7.64	272
180970073	2013	8	28	11	V	0.02	0	8.1	280
180970073	2013	8	28	12	V	0.03	0	6.48	284
180970073	2013	8	28	13	V	0.06	0	6.7	273
180970073	2013	8	28	14	V	0.02	0	6.45	287
180970073	2013	8	28	15	V	0.02	0	6.79	287
180970073	2013	8	28	16	V	0.01	0	6.94	278
180970073	2013	8	28	17	V	0.01	0	6.84	275
180970073	2013	8	28	18	V	0.04	0	5.96	287
180970073	2013	8	28	19	V	0.04	0	5.14	330
180970073	2013	8	28	20	V	0.04	0	4.66	357
180970073	2013	8	28	21	V	0.04	0	3.81	350
180970073	2013	8	28	22	V	0.04	0	3.73	340
180970073	2013	8	28	23	V	0.04	0	4.37	350
180970073	2013	8	28	24	V	0.03	0	3.2	355
180970073	2013	8	29	1	V	0.04	0	2.56	353
180970073	2013	8	29	2	V	0.04	0	2.5	357
180970073	2013	8	29	3	V	0.03	0	2.88	12
180970073	2013	8	29	4	V	0.03	0	3.42	30
180970073	2013	8	29	5	V	0.03	0	3.57	27
180970073	2013	8	29	6	V	0.1	0	3.49	34
180970073	2013	8	29	7	V	0.2	0	3.44	35
180970073	2013	8	29	8	V	0.2	0	3.85	41
180970073	2013	8	29	9	V	0.2	0	3.32	62
180970073	2013	8	29	10	V	0.1	0.6	3.9	78
180970073	2013	8	29	11	V	0.2	2.1	3.15	80
180970073	2013	8	29	12	V	0.2	1.1	3	46
180970073	2013	8	29	13	V	0.3	0	2.69	55
180970073	2013	8	29	14	V	0.2	0	2.76	48
180970073	2013	8	29	15	V	0.1	0	2.89	60
180970073	2013	8	29	16	V	0.05	0	3.64	65
180970073	2013	8	29	17	V	0.06	0	2.64	76
180970073	2013	8	29	18	V	0.05	0	2.54	88
180970073	2013	8	29	19	V	0.05	0	2.78	115
180970073	2013	8	29	20	V	0.04	0	3.47	106
180970073	2013	8	29	21	V	0.04	0	4.39	98
180970073	2013	8	29	22	V	0.04	0	3.23	101
180970073	2013	8	29	23	V	0.03	0	3.01	106
180970073	2013	8	29	24	V	0.05	0	2.37	113
180970073	2013	8	30	1	V	0.04	0	2.45	110
180970073	2013	8	30	2	V	0.06	0	1.99	119

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	8	30	3	V	0.06	0	2.04	115
180970073	2013	8	30	4	V	0.04	0	2.49	146
180970073	2013	8	30	5	V	0.1	0	1.59	137
180970073	2013	8	30	6	V	0.4	0	1.98	149
180970073	2013	8	30	7	V	1.0	0	1.77	142
180970073	2013	8	30	8	V	0.7	0	1.99	164
180970073	2013	8	30	9	V	0.7	0	2.33	197
180970073	2013	8	30	10	V	2.4	0	3.39	216
180970073	2013	8	30	11	V	1.3	2	3.12	213
180970073	2013	8	30	12	V	2.5	20.8	3.66	238
180970073	2013	8	30	13	V	2.5	15.4	3.88	239
180970073	2013	8	30	14	V	0.9	3.4	3.69	258
180970073	2013	8	30	15	V	0.1	0.4	3.74	278
180970073	2013	8	30	16	V	1.0	0	3.47	257
180970073	2013	8	30	17	V	0.1	0	3.46	272
180970073	2013	8	30	18	V	3.5	0	4.14	243
180970073	2013	8	30	19	V	1.6	3.4	4.68	222
180970073	2013	8	30	20	V	0.9	2.9	4.02	222
180970073	2013	8	30	21	V	0.05	4.9	4	218
180970073	2013	8	30	22	V	30.8	5.9	3.56	231
180970073	2013	8	30	23	V	14.8	8.2	4.41	228
180970073	2013	8	30	24	V	0.04	4	5.39	287
180970073	2013	8	31	1	V	18.7	0	2.79	237
180970073	2013	8	31	2	V	0.04	0	2.81	289
180970073	2013	8	31	3	V	0.04	0	2.96	1
180970073	2013	8	31	4	V	0.04	0	2.67	13
180970073	2013	8	31	5	V	0.08	0	1.98	320
180970073	2013	8	31	6	V	2.5	0	1.06	278
180970073	2013	8	31	7	V	15.5	0	1.5	233
180970073	2013	8	31	8	V	5.1	0	1.72	216
180970073	2013	8	31	9	V	1.5	0.7	1.79	199
180970073	2013	8	31	10	V	1.4	3	2.35	205
180970073	2013	8	31	11	V	1.3	0.9	2.78	208
180970073	2013	8	31	12	V	1.0	1.2	4.09	215
180970073	2013	8	31	13	V	0.7	0.2	4.36	213
180970073	2013	8	31	14	V	0.6	3.9	4.07	260
180970073	2013	8	31	15	V	0.2	0.5	4.82	266
180970073	2013	8	31	16	V	0.01	0	7.06	276
180970073	2013	8	31	17	V	0.01	0	8.62	26
180970073	2013	8	31	18	V	0.04	0	4.85	88
180970073	2013	8	31	19	V	0.05	0	5.26	157
180970073	2013	8	31	20	V	0.04	0	6.16	129
180970073	2013	8	31	21	V	0.04	0	4.99	135
180970073	2013	8	31	22	V	0.04	0	5.44	127
180970073	2013	8	31	23	V	0.05	-999	4.88	177
180970073	2013	8	31	24	V	0.04	0	5.89	199

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	1	1	V	0.04	0	4.6	176
180970073	2013	9	1	2	V	0.03	0	5	211
180970073	2013	9	1	3	V	0.04	0	4.02	199
180970073	2013	9	1	4	V	0.05	0	2.15	178
180970073	2013	9	1	5	V	0.2	0	1.35	111
180970073	2013	9	1	6	V	0.3	0	2.54	149
180970073	2013	9	1	7	V	0.3	0	2.4	181
180970073	2013	9	1	8	V	0.4	0	2.16	183
180970073	2013	9	1	9	V	0.3	0.2	2.18	175
180970073	2013	9	1	10	V	1.2	3.5	2.95	211
180970073	2013	9	1	11	V	7.4	11.5	2.91	222
180970073	2013	9	1	12	V	10.2	9.6	3.05	228
180970073	2013	9	1	13	V	3.4	7.1	4.32	245
180970073	2013	9	1	14	V	4.2	7.3	4.26	246
180970073	2013	9	1	15	V	0.8	5.1	3.83	262
180970073	2013	9	1	16	V	0.09	1.3	4.85	268
180970073	2013	9	1	17	V	0.03	0	4.31	280
180970073	2013	9	1	18	V	8.9	0	2.96	249
180970073	2013	9	1	19	V	2.2	0	3.61	259
180970073	2013	9	1	20	V	0.05	0	2.93	268
180970073	2013	9	1	21	V	0.04	0	3.2	299
180970073	2013	9	1	22	V	0.08	0	2.08	302
180970073	2013	9	1	23	V	0.05	0	2.59	289
180970073	2013	9	1	24	V	0.03	0	3.13	327
180970073	2013	9	2	1	V	7.3	0	2.47	255
180970073	2013	9	2	2	V	0.9	0	3.66	224
180970073	2013	9	2	3	V	0.04	0.2	2.52	210
180970073	2013	9	2	4	V	0.1	0	1.81	211
180970073	2013	9	2	5	V	22.9	0	2.33	231
180970073	2013	9	2	6	V	10.3	0	3.12	240
180970073	2013	9	2	7	V	1.0	0	3.46	265
180970073	2013	9	2	8	V	0.2	0	2.91	294
180970073	2013	9	2	9	V	0.9	0	3.03	268
180970073	2013	9	2	10	V	0.2	0	3.73	299
180970073	2013	9	2	11	V	0.2	0	3.9	325
180970073	2013	9	2	12	V	0.1	0	4.03	335
180970073	2013	9	2	13	V	0.2	0	3.03	344
180970073	2013	9	2	14	V	0.1	0	3.08	325
180970073	2013	9	2	15	V	0.02	0	5.34	327
180970073	2013	9	2	16	V	0.02	0	5.16	327
180970073	2013	9	2	17	V	0.01	0	6.07	337
180970073	2013	9	2	18	V	0.02	0	5.9	332
180970073	2013	9	2	19	V	0.02	0	5.33	351
180970073	2013	9	2	20	V	0.02	0	3.85	354
180970073	2013	9	2	21	V	0.02	0	3.05	5
180970073	2013	9	2	22	V	0.02	0	5.02	15

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	2	23	V	0.02	0	5.92	13
180970073	2013	9	2	24	V	0.02	0	5.62	16
180970073	2013	9	3	1	V	0.02	0	5.31	13
180970073	2013	9	3	2	V	0.02	0	5.68	22
180970073	2013	9	3	3	V	0.02	0	6.16	22
180970073	2013	9	3	4	V	0.02	0	5.31	32
180970073	2013	9	3	5	V	0.02	0	4.1	38
180970073	2013	9	3	6	V	0.1	0	2.57	17
180970073	2013	9	3	7	V	0.3	0	2.42	8
180970073	2013	9	3	8	V	0.2	0	2.76	19
180970073	2013	9	3	9	V	0.09	0	3.35	37
180970073	2013	9	3	10	V	0.09	0	3.41	22
180970073	2013	9	3	11	V	0.05	0	4.03	25
180970073	2013	9	3	12	V	0.04	0	4.48	16
180970073	2013	9	3	13	V	0.04	0	4.19	358
180970073	2013	9	3	14	V	0.03	0	5.02	340
180970073	2013	9	3	15	V	0.03	0	4.37	356
180970073	2013	9	3	16	V	0.03	0	3.97	336
180970073	2013	9	3	17	V	0.01	0	3.54	356
180970073	2013	9	3	18	V	0.03	0	3.51	334
180970073	2013	9	3	19	V	0.03	0	3.39	341
180970073	2013	9	3	20	V	0.03	0	3	332
180970073	2013	9	3	21	V	0.04	0	2.33	355
180970073	2013	9	3	22	V	0.05	0	2.16	34
180970073	2013	9	3	23	V	0.06	0	1.82	52
180970073	2013	9	3	24	V	0.8	0	0.7	92
180970073	2013	9	4	1	V	0.09	0	1.69	269
180970073	2013	9	4	2	V	9.7	0	1.91	250
180970073	2013	9	4	3	V	0.9	0	1.55	263
180970073	2013	9	4	4	V	0.2	0	1.3	296
180970073	2013	9	4	5	V	7.8	0	1.74	254
180970073	2013	9	4	6	V	3.6	0	1.04	267
180970073	2013	9	4	7	V	3.3	0	0.53	293
180970073	2013	9	4	8	V	6.6	0	0.92	239
180970073	2013	9	4	9	V	14.7	0.8	1.72	242
180970073	2013	9	4	10	V	1.0	0.3	2.32	272
180970073	2013	9	4	11	V	0.3	0	2.64	303
180970073	2013	9	4	12	V	0.2	0	3.1	329
180970073	2013	9	4	13	V	0.3	0	2.37	307
180970073	2013	9	4	14	V	0.3	0	2.34	291
180970073	2013	9	4	15	V	0.1	0	3.36	295
180970073	2013	9	4	16	V	0.1	0	3.56	273
180970073	2013	9	4	17	V	0.02	0	3.49	290
180970073	2013	9	4	18	V	0.04	0	3.51	287
180970073	2013	9	4	19	V	0.04	0	3.03	281
180970073	2013	9	4	20	V	0.3	0	2.96	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	4	21	V	0.1	0	2.59	264
180970073	2013	9	4	22	V	0.1	0	2.67	264
180970073	2013	9	4	23	V	0.6	0	2.11	262
180970073	2013	9	4	24	V	7.9	0	2.72	248
180970073	2013	9	5	1	V	13.1	0	2.83	251
180970073	2013	9	5	2	V	0.06	0	2.15	268
180970073	2013	9	5	3	V	0.07	0	2.04	271
180970073	2013	9	5	4	V	0.06	0	2.47	266
180970073	2013	9	5	5	V	0.2	0	2.62	263
180970073	2013	9	5	6	V	5.7	0	2.3	256
180970073	2013	9	5	7	V	0.8	0	1.81	292
180970073	2013	9	5	8	V	3.1	0	1.04	303
180970073	2013	9	5	9	V	2.8	0.5	1.18	342
180970073	2013	9	5	10	V	0.3	0	2.78	360
180970073	2013	9	5	11	V	0.2	1	3.18	26
180970073	2013	9	5	12	V	0.2	2.8	3.08	30
180970073	2013	9	5	13	V	0.5	3.2	2.13	22
180970073	2013	9	5	14	V	0.8	1.5	1.64	344
180970073	2013	9	5	15	V	0.3	0.9	2.33	327
180970073	2013	9	5	16	V	0.09	0	3.17	359
180970073	2013	9	5	17	V	0.02	0	3.29	345
180970073	2013	9	5	18	V	0.04	0	3.73	345
180970073	2013	9	5	19	V	0.04	0	4.09	354
180970073	2013	9	5	20	V	0.04	0	3.9	20
180970073	2013	9	5	21	V	0.04	0	4.39	38
180970073	2013	9	5	22	V	0.04	0	4.02	49
180970073	2013	9	5	23	V	0.04	0	3.15	50
180970073	2013	9	5	24	V	0.04	0	3.23	46
180970073	2013	9	6	1	V	0.03	0	3.75	80
180970073	2013	9	6	2	V	0.03	0	4.42	88
180970073	2013	9	6	3	V	0.03	0	3.88	89
180970073	2013	9	6	4	V	0.03	0	4.05	99
180970073	2013	9	6	5	V	0.03	0	4.24	97
180970073	2013	9	6	6	V	0.1	0	3.64	89
180970073	2013	9	6	7	V	0.2	0	3.51	94
180970073	2013	9	6	8	V	0.1	0.3	4.2	99
180970073	2013	9	6	9	V	0.2	0	3.9	109
180970073	2013	9	6	10	V	0.1	0	3.61	129
180970073	2013	9	6	11	V	0.3	0	2.73	121
180970073	2013	9	6	12	V	0.3	0	2.66	146
180970073	2013	9	6	13	V	0.5	0	2.03	137
180970073	2013	9	6	14	V	1.2	0	2.03	203
180970073	2013	9	6	15	V	0.7	0	1.45	85
180970073	2013	9	6	16	V	2.4	0	1.52	211
180970073	2013	9	6	17	V	0.07	0	1.77	292
180970073	2013	9	6	18	V	0.3	0	1.33	89

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	6	19	V	0.05	0	2.91	166
180970073	2013	9	6	20	V	0.04	0	3.05	150
180970073	2013	9	6	21	V	0.06	0	2.69	124
180970073	2013	9	6	22	V	0.04	0	3.39	142
180970073	2013	9	6	23	V	0.05	0	2.83	134
180970073	2013	9	6	24	V	0.06	0	2.54	140
180970073	2013	9	7	1	V	0.05	0	2.44	147
180970073	2013	9	7	2	V	0.08	0	1.87	174
180970073	2013	9	7	3	V	0.07	0	1.96	175
180970073	2013	9	7	4	V	0.08	0	1.89	170
180970073	2013	9	7	5	V	0.07	0	1.94	165
180970073	2013	9	7	6	V	0.6	0	1.59	152
180970073	2013	9	7	7	V	0.5	0	1.99	119
180970073	2013	9	7	8	V	0.7	0	1.86	134
180970073	2013	9	7	9	V	0.6	6.1	2.35	193
180970073	2013	9	7	10	V	8.6	25.8	3.4	245
180970073	2013	9	7	11	V	2.8	8.7	5.16	248
180970073	2013	9	7	12	V	1.7	0.8	5.92	253
180970073	2013	9	7	13	V	7.4	1	5.43	238
180970073	2013	9	7	14	V	2.7	12.9	4.71	221
180970073	2013	9	7	15	V	7.3	12.3	4.54	236
180970073	2013	9	7	16	V	6.3	6.2	4.58	228
180970073	2013	9	7	17	V	0.7	6.8	5.19	223
180970073	2013	9	7	18	V	16.5	6.2	4.42	238
180970073	2013	9	7	19	V	2.5	1.7	3.39	243
180970073	2013	9	7	20	V	0.04	2.1	3.46	216
180970073	2013	9	7	21	V	0.04	1.6	3.2	218
180970073	2013	9	7	22	V	0.05	4	2.76	210
180970073	2013	9	7	23	V	0.08	-999	2.13	205
180970073	2013	9	7	24	V	0.07	1.6	2.2	193
180970073	2013	9	8	1	V	0.2	0	1.43	206
180970073	2013	9	8	2	V	1.1	0	2.78	243
180970073	2013	9	8	3	V	13.1	0.3	3.47	238
180970073	2013	9	8	4	V	0.3	3.3	2.78	222
180970073	2013	9	8	5	V	0.2	1.9	1.62	215
180970073	2013	9	8	6	V	6.5	0	1.76	218
180970073	2013	9	8	7	V	2.5	0	1.01	198
180970073	2013	9	8	8	V	1.8	0.8	1.3	119
180970073	2013	9	8	9	V	1.4	2.9	1.42	171
180970073	2013	9	8	10	V	2.6	1.8	1.03	152
180970073	2013	9	8	11	V	0.8	0.3	1.42	121
180970073	2013	9	8	12	V	0.3	0	2.57	191
180970073	2013	9	8	13	V	1.0	0	4.58	217
180970073	2013	9	8	14	V	1.2	15.3	3.3	213
180970073	2013	9	8	15	V	10.8	20.7	2.38	239
180970073	2013	9	8	16	V	2.1	3	2.59	257

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	8	17	V	2.0	5	2.69	254
180970073	2013	9	8	18	V	1.2	4.5	2.69	224
180970073	2013	9	8	19	V	35.9	2.8	3.81	233
180970073	2013	9	8	20	V	10.8	0	2.64	253
180970073	2013	9	8	21	V	0.04	0	3.73	25
180970073	2013	9	8	22	V	0.04	0	4.83	75
180970073	2013	9	8	23	V	0.03	0	4.02	84
180970073	2013	9	8	24	V	0.02	0	3.63	109
180970073	2013	9	9	1	V	0.03	0	3.35	130
180970073	2013	9	9	2	V	0.03	0	2.89	124
180970073	2013	9	9	3	V	0.03	0	2.96	134
180970073	2013	9	9	4	V	0.03	0	3.34	130
180970073	2013	9	9	5	V	0.03	0	2.89	145
180970073	2013	9	9	6	V	0.3	0	2.55	158
180970073	2013	9	9	7	V	0.6	0	2.4	166
180970073	2013	9	9	8	V	0.4	0	2.93	162
180970073	2013	9	9	9	V	0.2	0.8	3.85	179
180970073	2013	9	9	10	V	0.07	0.6	4.85	188
180970073	2013	9	9	11	V	0.05	0	5.58	199
180970073	2013	9	9	12	V	0.04	0	6.16	201
180970073	2013	9	9	13	V	0.03	0	6.55	203
180970073	2013	9	9	14	V	0.02	0	7.2	209
180970073	2013	9	9	15	V	0.5	0	6.74	219
180970073	2013	9	9	16	V	0.01	0	7.03	204
180970073	2013	9	9	17	V	0.01	0	7.18	215
180970073	2013	9	9	18	V	0.04	0	6.77	206
180970073	2013	9	9	19	V	0.04	0	5.67	206
180970073	2013	9	9	20	V	0.04	0	4.63	204
180970073	2013	9	9	21	V	0.04	0	3.95	202
180970073	2013	9	9	22	V	0.04	0	4.1	199
180970073	2013	9	9	23	V	0.04	0	4.56	205
180970073	2013	9	9	24	V	0.03	0	4.12	209
180970073	2013	9	10	1	V	0.04	0	4.12	206
180970073	2013	9	10	2	V	0.03	0	3.83	212
180970073	2013	9	10	3	V	0.04	0.3	3.34	211
180970073	2013	9	10	4	V	0.06	4	3.42	220
180970073	2013	9	10	5	V	0.04	6	3.27	215
180970073	2013	9	10	6	V	0.7	5.5	2.71	211
180970073	2013	9	10	7	V	0.5	4.2	2.78	205
180970073	2013	9	10	8	V	2.3	1.4	2.52	211
180970073	2013	9	10	9	V	19.8	11.5	4.65	229
180970073	2013	9	10	10	V	13.3	15.3	4.22	231
180970073	2013	9	10	11	V	7.1	11.1	3.73	232
180970073	2013	9	10	12	V	5.0	5.3	3.41	240
180970073	2013	9	10	13	V	4.4	4.8	3.93	227
180970073	2013	9	10	14	V	3.9	1.6	4.92	228

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	10	15	V	2.1	4.7	5.21	245
180970073	2013	9	10	16	V	1.2	1.1	4.9	254
180970073	2013	9	10	17	V	7.5	2.9	4.12	231
180970073	2013	9	10	18	V	0.04	0	7.47	188
180970073	2013	9	10	19	V	4.8	0.7	7.3	245
180970073	2013	9	10	20	V	34.3	1.1	3.88	234
180970073	2013	9	10	21	V	0.05	10.1	4.02	199
180970073	2013	9	10	22	V	0.05	0.6	3.47	195
180970073	2013	9	10	23	V	0.04	1.9	3.86	212
180970073	2013	9	10	24	V	0.04	0.5	3.27	195
180970073	2013	9	11	1	V	19.2	0	2.93	229
180970073	2013	9	11	2	V	0.04	2.3	3.05	210
180970073	2013	9	11	3	V	0.04	9.2	3.69	210
180970073	2013	9	11	4	V	13.8	3.8	2.96	228
180970073	2013	9	11	5	V	10.1	5.2	3.59	227
180970073	2013	9	11	6	V	1.9	5.3	2.98	216
180970073	2013	9	11	7	V	2.6	4.8	2.72	214
180970073	2013	9	11	8	V	1.0	10.3	3.37	211
180970073	2013	9	11	9	V	20.2	16.7	4.73	231
180970073	2013	9	11	10	V	6.6	12.3	4.12	244
180970073	2013	9	11	11	V	7.7	6.4	3.39	239
180970073	2013	9	11	12	V	1.9	5.5	4.02	252
180970073	2013	9	11	13	V	0.7	2.1	5.26	258
180970073	2013	9	11	14	V	0.8	0.5	5.92	256
180970073	2013	9	11	15	V	0.8	0	6.16	257
180970073	2013	9	11	16	V	0.8	0	7.11	258
180970073	2013	9	11	17	V	5.1	0	7.47	254
180970073	2013	9	11	18	V	5.6	0.3	6.77	249
180970073	2013	9	11	19	V	4.3	2	5.34	246
180970073	2013	9	11	20	V	0.04	2	3.71	215
180970073	2013	9	11	21	V	0.04	2.9	3.68	214
180970073	2013	9	11	22	V	4.9	11.7	3.37	226
180970073	2013	9	11	23	V	33.6	23.7	3.42	235
180970073	2013	9	11	24	V	42.2	8.4	3.15	232
180970073	2013	9	12	1	V	36.7	7.3	3.59	232
180970073	2013	9	12	2	V	2.3	21.8	3.93	244
180970073	2013	9	12	3	V	0.03	2.1	3.03	283
180970073	2013	9	12	4	V	14.7	0.5	3.13	237
180970073	2013	9	12	5	V	0.04	6.9	3.73	274
180970073	2013	9	12	6	V	0.1	0.1	3.23	350
180970073	2013	9	12	7	V	0.9	0	1.81	317
180970073	2013	9	12	8	V	7.9	0	1.96	219
180970073	2013	9	12	9	V	23.6	0	3.07	239
180970073	2013	9	12	10	V	6.0	0	3.68	249
180970073	2013	9	12	11	V	3.5	0	3.8	257
180970073	2013	9	12	12	V	0.09	0	4.07	279

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	12	13	V	0.1	0	4.09	274
180970073	2013	9	12	14	V	0.08	0	4.36	283
180970073	2013	9	12	15	V	0.07	0	5.27	270
180970073	2013	9	12	16	V	0.3	0	5.58	263
180970073	2013	9	12	17	V	2.2	0	6.58	260
180970073	2013	9	12	18	V	3.5	0	6.92	257
180970073	2013	9	12	19	V	0.1	0	6.01	267
180970073	2013	9	12	20	V	0.03	0	7.52	324
180970073	2013	9	12	21	V	0.03	0	7.93	331
180970073	2013	9	12	22	V	0.03	0	7.33	346
180970073	2013	9	12	23	V	0.03	0	7.33	354
180970073	2013	9	12	24	V	0.03	0	6.62	354
180970073	2013	9	13	1	V	0.02	0	6.58	358
180970073	2013	9	13	2	V	0.02	0	5.55	2
180970073	2013	9	13	3	V	0.02	0	5.22	10
180970073	2013	9	13	4	V	0.02	0	5.28	15
180970073	2013	9	13	5	V	0.02	0	4.32	15
180970073	2013	9	13	6	V	0.08	0	3.15	359
180970073	2013	9	13	7	V	0.1	0	3.63	2
180970073	2013	9	13	8	V	0.06	0	4.76	13
180970073	2013	9	13	9	V	0.02	0	6.3	16
180970073	2013	9	13	10	V	0.02	0	6.09	6
180970073	2013	9	13	11	V	0.01	0	7.47	352
180970073	2013	9	13	12	V	0.01	0	6.98	358
180970073	2013	9	13	13	V	0.01	0	7.82	350
180970073	2013	9	13	14	V	0.01	0	6.81	344
180970073	2013	9	13	15	V	0.01	0	6.19	349
180970073	2013	9	13	16	V	0.01	0	5.79	359
180970073	2013	9	13	17	V	0.03	0	6.29	356
180970073	2013	9	13	18	V	0.02	0	5.21	350
180970073	2013	9	13	19	V	0.02	0	4.68	359
180970073	2013	9	13	20	V	0.02	0	5.28	357
180970073	2013	9	13	21	V	0.02	0	5.17	358
180970073	2013	9	13	22	V	0.02	0	5.05	9
180970073	2013	9	13	23	V	0.02	0	4.34	19
180970073	2013	9	13	24	V	0.01	0	4.22	39
180970073	2013	9	14	1	V	0.01	0	3.83	50
180970073	2013	9	14	2	V	0.01	0	3.25	52
180970073	2013	9	14	3	V	0.01	0	2.95	50
180970073	2013	9	14	4	V	0.01	0	3.37	60
180970073	2013	9	14	5	V	0.01	0	2.93	59
180970073	2013	9	14	6	V	0.03	0	2.93	60
180970073	2013	9	14	7	V	0.07	0	2.86	68
180970073	2013	9	14	8	V	0.08	0	3.01	79
180970073	2013	9	14	9	V	0.08	0	2.62	90
180970073	2013	9	14	10	V	0.09	0	2.4	95

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	14	11	V	0.07	0	2.62	137
180970073	2013	9	14	12	V	0.06	0	2.67	75
180970073	2013	9	14	13	V	0.07	0	2.4	79
180970073	2013	9	14	14	V	0.05	0	2.59	79
180970073	2013	9	14	15	V	0.04	0	2.55	106
180970073	2013	9	14	16	V	0.03	0	2.06	155
180970073	2013	9	14	17	V	0.03	0	1.62	183
180970073	2013	9	14	18	V	0.02	0	2.13	183
180970073	2013	9	14	19	V	0.02	0	2.28	169
180970073	2013	9	14	20	V	0.03	0	1.69	124
180970073	2013	9	14	21	V	0.02	0	2.14	116
180970073	2013	9	14	22	V	0.01	0	3.36	130
180970073	2013	9	14	23	V	0.01	-999	3.36	162
180970073	2013	9	14	24	V	0.01	0	2.86	160
180970073	2013	9	15	1	V	0.01	0	2.86	164
180970073	2013	9	15	2	V	0.01	0	2.36	182
180970073	2013	9	15	3	V	0.07	0	1.28	212
180970073	2013	9	15	4	V	0.02	0	1.91	170
180970073	2013	9	15	5	V	0.02	0	2.04	145
180970073	2013	9	15	6	V	0.1	0	1.67	136
180970073	2013	9	15	7	V	0.2	0	1.43	133
180970073	2013	9	15	8	V	0.1	0	2.01	142
180970073	2013	9	15	9	V	0.1	0	2.06	159
180970073	2013	9	15	10	V	0.08	0.1	2.59	188
180970073	2013	9	15	11	V	0.03	0	4.1	199
180970073	2013	9	15	12	V	0.02	1	4.29	202
180970073	2013	9	15	13	V	0.1	4	4.2	216
180970073	2013	9	15	14	V	0.02	1.9	4.73	205
180970073	2013	9	15	15	V	0.01	0	5.45	203
180970073	2013	9	15	16	V	0.004	0	6.11	210
180970073	2013	9	15	17	V	0.6	0.9	6.23	225
180970073	2013	9	15	18	V	0.06	2	5.34	219
180970073	2013	9	15	19	V	0.01	3.9	3.97	207
180970073	2013	9	15	20	V	0.03	7.3	1.62	288
180970073	2013	9	15	21	V	0.1	1.9	0.96	63
180970073	2013	9	15	22	V	0.02	0	2.47	37
180970073	2013	9	15	23	V	0.01	0	5.07	34
180970073	2013	9	15	24	V	0.01	0	5.62	28
180970073	2013	9	16	1	V	0.02	0	5.46	42
180970073	2013	9	16	2	V	0.03	0	3.52	71
180970073	2013	9	16	3	V	0.03	0	2.52	86
180970073	2013	9	16	4	V	0.03	0	2.78	54
180970073	2013	9	16	5	V	0.03	0	3.93	32
180970073	2013	9	16	6	V	0.06	0	3.73	38
180970073	2013	9	16	7	V	0.06	0	4.49	29
180970073	2013	9	16	8	V	0.05	0	5.05	33

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	16	9	V	0.02	0	5.73	37
180970073	2013	9	16	10	V	0.04	0	5.6	42
180970073	2013	9	16	11	V	0.05	0	5.38	44
180970073	2013	9	16	12	V	0.06	0	5.16	37
180970073	2013	9	16	13	V	0.04	0	5.44	39
180970073	2013	9	16	14	V	0.04	0	5.31	40
180970073	2013	9	16	15	V	0.03	0	5.68	28
180970073	2013	9	16	16	V	0.02	0	6.31	31
180970073	2013	9	16	17	V	0.04	0	6.48	26
180970073	2013	9	16	18	V	0.03	0	5.77	27
180970073	2013	9	16	19	V	0.03	0	5.63	38
180970073	2013	9	16	20	V	0.03	0	4.36	42
180970073	2013	9	16	21	V	0.03	0	4.29	50
180970073	2013	9	16	22	V	0.03	0	3.63	46
180970073	2013	9	16	23	V	0.03	0	3.75	47
180970073	2013	9	16	24	V	0.03	0	3.2	57
180970073	2013	9	17	1	V	0.03	0	3.68	70
180970073	2013	9	17	2	V	0.04	0	4.95	80
180970073	2013	9	17	3	V	0.03	0	4.56	79
180970073	2013	9	17	4	V	0.03	0	4.24	80
180970073	2013	9	17	5	V	0.03	0	4.63	79
180970073	2013	9	17	6	V	0.09	0	3.78	79
180970073	2013	9	17	7	V	0.1	0	3.75	75
180970073	2013	9	17	8	V	0.1	0	4.05	84
180970073	2013	9	17	9	V	0.1	0	4.09	99
180970073	2013	9	17	10	V	0.1	0	3.9	101
180970073	2013	9	17	11	V	0.09	0	3.9	112
180970073	2013	9	17	12	V	0.05	0	4.24	112
180970073	2013	9	17	13	V	0.04	0	4.2	109
180970073	2013	9	17	14	V	0.04	0	4.1	107
180970073	2013	9	17	15	V	0.04	0	3.95	92
180970073	2013	9	17	16	V	0.03	0	4	84
180970073	2013	9	17	17	V	0.04	0	3.97	87
180970073	2013	9	17	18	V	0.03	0	3.91	93
180970073	2013	9	17	19	V	0.03	0	3.3	101
180970073	2013	9	17	20	V	0.03	0	3.3	108
180970073	2013	9	17	21	V	0.04	0	2.9	114
180970073	2013	9	17	22	V	0.04	0	2.45	111
180970073	2013	9	17	23	V	0.06	0	2.06	106
180970073	2013	9	17	24	V	0.04	0	2.25	101
180970073	2013	9	18	1	V	0.03	0.1	3.32	119
180970073	2013	9	18	2	V	0.02	4.3	3.73	131
180970073	2013	9	18	3	V	0.02	2.9	3.63	135
180970073	2013	9	18	4	V	0.03	2	2.23	120
180970073	2013	9	18	5	V	0.06	1.6	1.77	107
180970073	2013	9	18	6	V	0.07	4.8	2.1	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	18	7	V	0.4	4	1.94	114
180970073	2013	9	18	8	V	0.5	4.2	1.96	125
180970073	2013	9	18	9	V	0.5	3.3	2.06	154
180970073	2013	9	18	10	V	0.4	3	2.03	184
180970073	2013	9	18	11	V	1.4	24	3.17	216
180970073	2013	9	18	12	V	0.7	33.4	2.49	209
180970073	2013	9	18	13	V	1.2	23.7	2.79	214
180970073	2013	9	18	14	V	0.1	11.7	2.89	194
180970073	2013	9	18	15	V	0.09	4.4	3.01	194
180970073	2013	9	18	16	V	0.7	4.4	2.74	216
180970073	2013	9	18	17	V	0.03	1.4	4.05	201
180970073	2013	9	18	18	V	0.02	0	4.82	210
180970073	2013	9	18	19	V	0.02	0	5.34	201
180970073	2013	9	18	20	V	0.02	0	5.21	187
180970073	2013	9	18	21	V	0.02	0	4.75	183
180970073	2013	9	18	22	V	0.02	0	4.61	174
180970073	2013	9	18	23	V	0.02	0	4.12	170
180970073	2013	9	18	24	V	0.02	0	3.64	173
180970073	2013	9	19	1	V	0.02	0	3.78	172
180970073	2013	9	19	2	V	0.02	0	3.3	178
180970073	2013	9	19	3	V	0.02	0	3.35	187
180970073	2013	9	19	4	V	0.02	0	4.27	206
180970073	2013	9	19	5	V	5.0	0	5.09	247
180970073	2013	9	19	6	V	0.8	0	3.37	218
180970073	2013	9	19	7	V	0.2	0	2.78	190
180970073	2013	9	19	8	V	1.0	0	2.72	214
180970073	2013	9	19	9	V	19.2	0	2.28	229
180970073	2013	9	19	10	V	0.03	0	5.43	184
180970073	2013	9	19	11	V	0.01	0	6.77	194
180970073	2013	9	19	12	V	0.01	0	6.4	203
180970073	2013	9	19	13	V	0.01	0	6.41	189
180970073	2013	9	19	14	V	0.02	0	5.63	187
180970073	2013	9	19	15	V	0.02	0	6.01	198
180970073	2013	9	19	16	V	0.02	0	5.38	199
180970073	2013	9	19	17	V	0.03	0	5.6	202
180970073	2013	9	19	18	V	0.02	0	5.24	186
180970073	2013	9	19	19	V	0.03	0	4.82	169
180970073	2013	9	19	20	V	0.02	0	4.68	170
180970073	2013	9	19	21	V	0.02	0	4.56	181
180970073	2013	9	19	22	V	0.02	0	4.36	182
180970073	2013	9	19	23	V	0.02	0	4.85	188
180970073	2013	9	19	24	V	0.02	0	5.48	206
180970073	2013	9	20	1	V	0.02	0	4.63	208
180970073	2013	9	20	2	V	0.02	0	4.02	191
180970073	2013	9	20	3	V	0.02	0	3.66	184
180970073	2013	9	20	4	V	0.03	0	4.83	197

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	20	5	V	0.03	0	3.93	189
180970073	2013	9	20	6	V	0.1	0	3.37	179
180970073	2013	9	20	7	V	0.2	0	2.9	187
180970073	2013	9	20	8	V	0.09	1.2	3.71	188
180970073	2013	9	20	9	V	0.04	1.4	5.12	201
180970073	2013	9	20	10	V	0.06	1.1	5.75	214
180970073	2013	9	20	11	V	0.02	3.3	5.85	214
180970073	2013	9	20	12	V	0.1	11.8	6.31	219
180970073	2013	9	20	13	V	0.9	7.4	6.09	223
180970073	2013	9	20	14	V	0.01	3.9	6.26	214
180970073	2013	9	20	15	V	0.5	1.6	5.63	222
180970073	2013	9	20	16	V	2.5	8	5.43	227
180970073	2013	9	20	17	V	13.2	5.5	6.21	233
180970073	2013	9	20	18	V	4.5	1.4	5.14	241
180970073	2013	9	20	19	V	10.1	0.8	4.07	237
180970073	2013	9	20	20	V	3.9	0.4	3.61	245
180970073	2013	9	20	21	V	3.3	0.2	3.74	244
180970073	2013	9	20	22	V	2.9	1.1	3.56	243
180970073	2013	9	20	23	V	5.7	0	3.39	247
180970073	2013	9	20	24	V	0.03	0	4.42	307
180970073	2013	9	21	1	V	0.03	0	4	317
180970073	2013	9	21	2	V	0.02	0	5.56	329
180970073	2013	9	21	3	V	0.03	0	3.8	313
180970073	2013	9	21	4	V	0.03	0	4.31	318
180970073	2013	9	21	5	V	0.03	0	3.8	321
180970073	2013	9	21	6	V	0.05	0	3.98	315
180970073	2013	9	21	7	V	0.08	0	4.26	311
180970073	2013	9	21	8	V	0.07	0	4.71	312
180970073	2013	9	21	9	V	0.04	0	5.09	313
180970073	2013	9	21	10	V	0.03	0	5.5	322
180970073	2013	9	21	11	V	0.02	0	5.63	320
180970073	2013	9	21	12	V	0.01	0	6.46	324
180970073	2013	9	21	13	V	0.01	0	7.08	322
180970073	2013	9	21	14	V	0.01	0	6.94	325
180970073	2013	9	21	15	V	0.01	0	6.35	330
180970073	2013	9	21	16	V	0.01	0	6.69	313
180970073	2013	9	21	17	V	0.02	0	5.97	308
180970073	2013	9	21	18	V	0.02	0	5.9	323
180970073	2013	9	21	19	V	0.02	0	4.1	323
180970073	2013	9	21	20	V	0.03	0	3.03	318
180970073	2013	9	21	21	V	0.02	0	3.25	345
180970073	2013	9	21	22	V	0.02	0	3.97	16
180970073	2013	9	21	23	V	0.02	-999	3.88	23
180970073	2013	9	21	24	V	0.02	0	2.71	23
180970073	2013	9	22	1	V	0.02	0	2.76	19
180970073	2013	9	22	2	V	0.02	0	2.84	10

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	22	3	V	0.03	0	2.44	360
180970073	2013	9	22	4	V	0.04	0	1.98	331
180970073	2013	9	22	5	V	0.04	0	1.99	331
180970073	2013	9	22	6	V	0.08	0	1.67	337
180970073	2013	9	22	7	V	0.6	0	1.4	325
180970073	2013	9	22	8	V	0.3	0	2.27	8
180970073	2013	9	22	9	V	0.1	0	3.05	30
180970073	2013	9	22	10	V	0.2	0	2.78	38
180970073	2013	9	22	11	V	0.1	0	3.01	35
180970073	2013	9	22	12	V	0.1	0	2.69	37
180970073	2013	9	22	13	V	0.1	0	2.83	32
180970073	2013	9	22	14	V	0.09	0	2.91	5
180970073	2013	9	22	15	V	0.06	0	3	21
180970073	2013	9	22	16	V	0.03	0	3.22	32
180970073	2013	9	22	17	V	0.02	0	3.17	9
180970073	2013	9	22	18	V	0.02	0	3.32	39
180970073	2013	9	22	19	V	0.02	0	3.61	40
180970073	2013	9	22	20	V	0.02	0	3.03	32
180970073	2013	9	22	21	V	0.03	0	2.88	41
180970073	2013	9	22	22	V	0.04	0	2.47	33
180970073	2013	9	22	23	V	0.02	0	3.13	37
180970073	2013	9	22	24	V	0.03	0	2.69	46
180970073	2013	9	23	1	V	0.04	0	2.62	39
180970073	2013	9	23	2	V	0.02	0	3.91	38
180970073	2013	9	23	3	V	0.02	0	4.05	40
180970073	2013	9	23	4	V	0.02	0	3.07	45
180970073	2013	9	23	5	V	0.04	0	2.67	69
180970073	2013	9	23	6	V	0.06	0	2.81	85
180970073	2013	9	23	7	V	0.4	0	2.5	88
180970073	2013	9	23	8	V	0.3	0	3	96
180970073	2013	9	23	9	V	0.2	4.5	3.91	122
180970073	2013	9	23	10	V	0.1	5	3.9	131
180970073	2013	9	23	11	V	0.2	1.6	3.59	130
180970073	2013	9	23	12	V	0.1	0	3.64	110
180970073	2013	9	23	13	V	0.1	0	3.9	99
180970073	2013	9	23	14	V	0.08	0	3.8	89
180970073	2013	9	23	15	V	0.06	0	4.05	99
180970073	2013	9	23	16	V	0.03	0	4.14	85
180970073	2013	9	23	17	V	0.04	0	4.22	82
180970073	2013	9	23	18	V	0.03	0	4.1	99
180970073	2013	9	23	19	V	0.03	0	3.85	99
180970073	2013	9	23	20	V	0.03	0	3.27	102
180970073	2013	9	23	21	V	0.03	0	4.15	108
180970073	2013	9	23	22	V	0.03	0	3.54	105
180970073	2013	9	23	23	V	0.03	0	4.46	102
180970073	2013	9	23	24	V	0.02	0	4.39	100

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	24	1	V	0.03	0	3.98	104
180970073	2013	9	24	2	V	0.02	0	3.46	105
180970073	2013	9	24	3	V	0.02	0	3.88	103
180970073	2013	9	24	4	V	0.03	0	4.14	101
180970073	2013	9	24	5	V	0.03	0	4.22	95
180970073	2013	9	24	6	V	0.07	0	3.88	89
180970073	2013	9	24	7	V	0.2	0	3.74	88
180970073	2013	9	24	8	V	0.2	0.9	3.88	91
180970073	2013	9	24	9	V	0.1	0.3	4.59	100
180970073	2013	9	24	10	V	0.1	0	4.39	106
180970073	2013	9	24	11	V	0.1	0	4.51	113
180970073	2013	9	24	12	V	0.07	0	4.85	116
180970073	2013	9	24	13	V	0.1	0	3.95	111
180970073	2013	9	24	14	V	0.2	0	3.08	113
180970073	2013	9	24	15	V	0.2	0	2.69	103
180970073	2013	9	24	16	V	0.1	0	2.42	118
180970073	2013	9	24	17	V	0.08	0	2.23	146
180970073	2013	9	24	18	V	0.1	0	1.93	148
180970073	2013	9	24	19	V	0.07	0	2.23	150
180970073	2013	9	24	20	V	0.07	0	2.33	86
180970073	2013	9	24	21	V	0.04	0	4.09	96
180970073	2013	9	24	22	V	0.04	0	3.4	100
180970073	2013	9	24	23	V	0.03	0	3.17	75
180970073	2013	9	24	24	V	0.04	0	3.49	81
180970073	2013	9	25	1	V	0.04	0	3.53	91
180970073	2013	9	25	2	V	0.04	0	2.86	90
180970073	2013	9	25	3	V	0.03	0	3.21	81
180970073	2013	9	25	4	V	0.03	0.6	2.76	73
180970073	2013	9	25	5	V	0.04	0.5	2.74	74
180970073	2013	9	25	6	V	0.1	0	3.05	59
180970073	2013	9	25	7	V	0.2	0.1	3.44	43
180970073	2013	9	25	8	V	0.4	0.8	2.93	46
180970073	2013	9	25	9	V	0.5	3.1	2.83	40
180970073	2013	9	25	10	V	0.3	2.6	2.95	54
180970073	2013	9	25	11	V	0.1	1.3	3.88	84
180970073	2013	9	25	12	V	0.06	1.1	4.36	75
180970073	2013	9	25	13	V	0.1	0.7	3.4	59
180970073	2013	9	25	14	V	0.2	0	2.67	53
180970073	2013	9	25	15	V	0.2	0	2.13	76
180970073	2013	9	25	16	V	0.09	0	2.37	30
180970073	2013	9	25	17	V	0.07	0	2.44	3
180970073	2013	9	25	18	V	0.04	0	3.81	32
180970073	2013	9	25	19	V	0.04	0	3.73	37
180970073	2013	9	25	20	V	0.04	0	4.09	38
180970073	2013	9	25	21	V	0.04	0	3.92	46
180970073	2013	9	25	22	V	0.03	0	3.35	54

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	25	23	V	0.05	0	2.74	35
180970073	2013	9	25	24	V	0.05	0	2.67	35
180970073	2013	9	26	1	V	0.04	0	2.86	48
180970073	2013	9	26	2	V	0.03	0	3.24	44
180970073	2013	9	26	3	V	0.06	0	2.3	40
180970073	2013	9	26	4	V	0.07	0	2.1	40
180970073	2013	9	26	5	V	0.05	0	2.67	33
180970073	2013	9	26	6	V	0.08	0	2.16	24
180970073	2013	9	26	7	V	0.2	0	3.37	30
180970073	2013	9	26	8	V	0.2	0	3.88	40
180970073	2013	9	26	9	V	0.9	0	2.13	35
180970073	2013	9	26	10	V	1.6	0.7	1.42	28
180970073	2013	9	26	11	V	0.3	1.3	2.54	53
180970073	2013	9	26	12	V	0.1	1.2	3.3	49
180970073	2013	9	26	13	V	0.1	0.7	3.37	98
180970073	2013	9	26	14	V	0.1	0.2	3.12	79
180970073	2013	9	26	15	V	0.1	0.3	2.67	78
180970073	2013	9	26	16	V	0.07	0.3	2.57	81
180970073	2013	9	26	17	V	0.08	1.1	2.23	93
180970073	2013	9	26	18	V	0.05	1.5	2.81	93
180970073	2013	9	26	19	V	0.1	0.8	1.84	74
180970073	2013	9	26	20	V	0.2	0.2	1.55	45
180970073	2013	9	26	21	V	0.09	0	2.16	50
180970073	2013	9	26	22	V	0.2	0	1.64	77
180970073	2013	9	26	23	V	0.2	0	1.5	78
180970073	2013	9	26	24	V	0.2	0	1.35	63
180970073	2013	9	27	1	V	0.06	0	2.16	44
180970073	2013	9	27	2	V	0.03	0	2.95	61
180970073	2013	9	27	3	V	0.04	0	2.49	65
180970073	2013	9	27	4	V	0.09	0	1.82	60
180970073	2013	9	27	5	V	0.07	0	2.16	44
180970073	2013	9	27	6	V	0.07	0	2.27	38
180970073	2013	9	27	7	V	0.4	0	2.61	36
180970073	2013	9	27	8	V	0.4	0	2.86	42
180970073	2013	9	27	9	V	1.3	0	1.76	63
180970073	2013	9	27	10	V	3.6	0.6	0.96	101
180970073	2013	9	27	11	V	2.9	8.3	0.94	21
180970073	2013	9	27	12	V	2.2	3.7	1.14	81
180970073	2013	9	27	13	V	0.5	0.5	2.04	79
180970073	2013	9	27	14	V	0.4	0	2.11	91
180970073	2013	9	27	15	V	0.2	0	2.15	100
180970073	2013	9	27	16	V	0.09	0	2.62	93
180970073	2013	9	27	17	V	0.07	0	2.4	100
180970073	2013	9	27	18	V	0.05	0	2.84	106
180970073	2013	9	27	19	V	0.07	0	2.35	94
180970073	2013	9	27	20	V	0.08	0	2.1	184

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	27	21	V	0.2	0	1.62	165
180970073	2013	9	27	22	V	0.3	0	1.28	124
180970073	2013	9	27	23	V	0.06	0	2.23	127
180970073	2013	9	27	24	V	0.05	0	2.74	136
180970073	2013	9	28	1	V	0.3	0	1.38	132
180970073	2013	9	28	2	V	0.3	0	1.35	101
180970073	2013	9	28	3	V	0.6	0	0.94	93
180970073	2013	9	28	4	V	0.3	0	1.21	108
180970073	2013	9	28	5	V	0.2	0	1.48	81
180970073	2013	9	28	6	V	0.2	0	1.74	76
180970073	2013	9	28	7	V	0.7	0	1.86	90
180970073	2013	9	28	8	V	0.8	0.2	1.88	108
180970073	2013	9	28	9	V	0.6	0.3	2.59	122
180970073	2013	9	28	10	V	0.4	1	2.66	177
180970073	2013	9	28	11	V	0.2	0	3.22	164
180970073	2013	9	28	12	V	0.08	0	3.9	181
180970073	2013	9	28	13	V	0.03	0	5.02	201
180970073	2013	9	28	14	V	0.03	0	5.36	201
180970073	2013	9	28	15	V	0.03	0	4.94	196
180970073	2013	9	28	16	V	0.01	0	5.41	186
180970073	2013	9	28	17	V	0.04	0	5.33	184
180970073	2013	9	28	18	V	0.04	0	4.85	177
180970073	2013	9	28	19	V	0.04	0	4.56	173
180970073	2013	9	28	20	V	0.04	0	4.14	180
180970073	2013	9	28	21	V	0.04	0	4.71	182
180970073	2013	9	28	22	V	0.04	0.2	4.39	182
180970073	2013	9	28	23	V	0.03	-999	4.56	183
180970073	2013	9	28	24	V	0.03	0	3.73	186
180970073	2013	9	29	1	V	0.03	0	3.07	189
180970073	2013	9	29	2	V	0.03	0.1	3.32	182
180970073	2013	9	29	3	V	0.04	0	3.08	183
180970073	2013	9	29	4	V	0.04	0	3.2	185
180970073	2013	9	29	5	V	0.04	0.2	3.66	195
180970073	2013	9	29	6	V	0.05	0.7	3.66	211
180970073	2013	9	29	7	V	1.7	0.5	4.03	220
180970073	2013	9	29	8	V	0.1	0.7	4.31	212
180970073	2013	9	29	9	V	0.1	0	3.83	202
180970073	2013	9	29	10	V	0.2	0	3.8	202
180970073	2013	9	29	11	V	0.2	0	4.31	211
180970073	2013	9	29	12	V	19.9	0	5.24	232
180970073	2013	9	29	13	V	7.2	1.7	4.12	224
180970073	2013	9	29	14	V	26.5	2	3.9	235
180970073	2013	9	29	15	V	0.3	0.7	2.22	272
180970073	2013	9	29	16	V	0.09	0	3.17	306
180970073	2013	9	29	17	V	0.06	0	2.13	337
180970073	2013	9	29	18	V	0.4	0	1.14	25

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	9	29	19	V	0.3	0	1.35	86
180970073	2013	9	29	20	V	0.6	0	1.06	95
180970073	2013	9	29	21	V	0.05	0	2.52	131
180970073	2013	9	29	22	V	0.05	0	2.45	148
180970073	2013	9	29	23	V	0.05	0	2.16	174
180970073	2013	9	29	24	V	0.07	0	2.03	194
180970073	2013	9	30	1	V	4.4	0	1.59	243
180970073	2013	9	30	2	V	6.3	0	1.42	246
180970073	2013	9	30	3	V	0.1	0	1.55	211
180970073	2013	9	30	4	V	0.1	0	1.65	205
180970073	2013	9	30	5	V	0.05	0	2.25	202
180970073	2013	9	30	6	V	5.5	0	1.47	245
180970073	2013	9	30	7	V	2.9	0	0.72	294
180970073	2013	9	30	8	V	2.7	0	1.13	287
180970073	2013	9	30	9	V	10.6	0	1.23	256
180970073	2013	9	30	10	V	0.3	0.3	3.22	198
180970073	2013	9	30	11	V	0.2	0	3.49	203
180970073	2013	9	30	12	V	0.08	0	4.19	205
180970073	2013	9	30	13	V	0.03	0	5.38	208
180970073	2013	9	30	14	V	0.2	0	4.63	213
180970073	2013	9	30	15	V	0.03	0	4.83	197
180970073	2013	9	30	16	V	0.01	0.6	5.77	193
180970073	2013	9	30	17	V	0.04	1.2	5.8	196
180970073	2013	9	30	18	V	0.04	3	5.17	205
180970073	2013	9	30	19	V	0.04	1.2	4	192
180970073	2013	9	30	20	V	0.04	0	3.46	172
180970073	2013	9	30	21	V	0.04	0	3.01	186
180970073	2013	9	30	22	V	0.03	0	3.41	178
180970073	2013	9	30	23	V	0.03	0	3	167
180970073	2013	9	30	24	V	0.03	0	3.56	180
180970073	2013	10	1	1	V	0.03	0	4.31	180
180970073	2013	10	1	2	V	0.03	0	4.07	177
180970073	2013	10	1	3	V	0.03	0	2.81	191
180970073	2013	10	1	4	V	0.03	0	3.08	199
180970073	2013	10	1	5	V	0.03	0	2.83	187
180970073	2013	10	1	6	V	0.05	0	2.49	195
180970073	2013	10	1	7	V	0.1	0	3.56	201
180970073	2013	10	1	8	V	1.9	0	3.22	216
180970073	2013	10	1	9	V	9.8	0	3.73	224
180970073	2013	10	1	10	V	0.7	3.3	4.09	218
180970073	2013	10	1	11	V	24.8	3.5	4.56	231
180970073	2013	10	1	12	V	0.2	8.1	4.56	216
180970073	2013	10	1	13	V	7.0	1.8	4.8	225
180970073	2013	10	1	14	V	0.7	19.3	5.58	219
180970073	2013	10	1	15	V	0.06	2.5	4.56	205
180970073	2013	10	1	16	V	0.04	1	4.14	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	1	17	V	0.04	6.9	3.73	210
180970073	2013	10	1	18	V	0.04	0.8	3.95	205
180970073	2013	10	1	19	V	0.04	0	3.61	181
180970073	2013	10	1	20	V	0.04	0	4.75	174
180970073	2013	10	1	21	V	0.04	0	3.59	185
180970073	2013	10	1	22	V	0.04	0	3.01	188
180970073	2013	10	1	23	V	0.05	0	2.83	196
180970073	2013	10	1	24	V	0.03	0	3.58	200
180970073	2013	10	2	1	V	0.04	0	2.79	213
180970073	2013	10	2	2	V	5.6	0	2.28	226
180970073	2013	10	2	3	V	2.3	0	1.37	261
180970073	2013	10	2	4	V	2.2	0.4	2.88	225
180970073	2013	10	2	5	V	2.2	1.8	2.21	242
180970073	2013	10	2	6	V	0.9	1.7	1.2	265
180970073	2013	10	2	7	V	6.4	1.1	2.08	218
180970073	2013	10	2	8	V	1.8	0.7	2.37	210
180970073	2013	10	2	9	V	8.4	7.8	3.17	250
180970073	2013	10	2	10	V	1.6	4.2	2.18	270
180970073	2013	10	2	11	V	1.0	0	1.38	319
180970073	2013	10	2	12	V	2.5	0	0.82	121
180970073	2013	10	2	13	V	2.5	0	0.79	181
180970073	2013	10	2	14	V	0.7	0.3	1.52	325
180970073	2013	10	2	15	V	0.9	3.2	1.5	109
180970073	2013	10	2	16	V	0.08	0.5	3.35	161
180970073	2013	10	2	17	V	0.04	0	3.66	154
180970073	2013	10	2	18	V	0.04	0	3.29	158
180970073	2013	10	2	19	V	0.05	0	3.01	174
180970073	2013	10	2	20	V	0.05	0	3.3	169
180970073	2013	10	2	21	V	0.05	0	3.35	166
180970073	2013	10	2	22	V	0.05	0	3.52	160
180970073	2013	10	2	23	V	0.04	0	3.01	177
180970073	2013	10	2	24	V	0.04	0	3.8	150
180970073	2013	10	3	1	V	0.03	0	2.89	184
180970073	2013	10	3	2	V	0.04	0	2.42	198
180970073	2013	10	3	3	V	0.04	0	2.47	209
180970073	2013	10	3	4	V	0.04	0	3.56	209
180970073	2013	10	3	5	V	0.04	0	3.32	207
180970073	2013	10	3	6	V	0.06	0	3.17	184
180970073	2013	10	3	7	V	0.3	0	2.98	194
180970073	2013	10	3	8	V	0.3	0	2.73	201
180970073	2013	10	3	9	V	0.1	0.2	3.85	202
180970073	2013	10	3	10	V	0.1	1.8	4.19	201
180970073	2013	10	3	11	V	0.05	1.3	5.51	205
180970073	2013	10	3	12	V	0.03	1.3	6.31	207
180970073	2013	10	3	13	V	0.03	-999	6.18	206
180970073	2013	10	3	14	V	0.03	-999	6.18	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	3	15	V	0.02	1.4	6.53	204
180970073	2013	10	3	16	V	0.01	2.1	6.64	203
180970073	2013	10	3	17	V	0.04	0.9	6.21	205
180970073	2013	10	3	18	V	0.04	0.1	5.5	184
180970073	2013	10	3	19	V	0.04	0	4.41	169
180970073	2013	10	3	20	V	0.04	0	4.32	159
180970073	2013	10	3	21	V	0.04	0	4.1	167
180970073	2013	10	3	22	V	0.05	0	4.76	167
180970073	2013	10	3	23	V	0.04	0	4.58	172
180970073	2013	10	3	24	V	0.05	0	4.68	172
180970073	2013	10	4	1	V	0.04	0	3.13	204
180970073	2013	10	4	2	V	0.04	0	2.96	209
180970073	2013	10	4	3	V	0.04	0	3.59	194
180970073	2013	10	4	4	V	0.03	0	3.75	180
180970073	2013	10	4	5	V	0.03	0	3	176
180970073	2013	10	4	6	V	0.08	0	2.55	158
180970073	2013	10	4	7	V	0.3	0	3.05	167
180970073	2013	10	4	8	V	0.4	0	2.96	171
180970073	2013	10	4	9	V	0.4	0	3.15	195
180970073	2013	10	4	10	V	0.03	9.6	5.96	208
180970073	2013	10	4	11	V	0.1	5.5	4.24	198
180970073	2013	10	4	12	V	0.4	8.8	2.32	178
180970073	2013	10	4	13	V	0.1	0	3.49	175
180970073	2013	10	4	14	V	0.09	0	3.88	187
180970073	2013	10	4	15	V	0.03	0	5.27	205
180970073	2013	10	4	16	V	0.02	0	5.51	204
180970073	2013	10	4	17	V	0.04	0	4.88	199
180970073	2013	10	4	18	V	0.04	0	3.64	175
180970073	2013	10	4	19	V	0.04	0	3.25	167
180970073	2013	10	4	20	V	0.04	0	3.3	169
180970073	2013	10	4	21	V	0.04	0	3.88	172
180970073	2013	10	4	22	V	0.05	0	4.17	173
180970073	2013	10	4	23	V	0.04	0	4.09	173
180970073	2013	10	4	24	V	0.04	0	3.85	173
180970073	2013	10	5	1	V	0.04	0	3.1	191
180970073	2013	10	5	2	V	0.05	0	5.28	201
180970073	2013	10	5	3	V	0.05	0	3.46	212
180970073	2013	10	5	4	V	2.7	0	2.91	244
180970073	2013	10	5	5	V	0.2	1	1.4	121
180970073	2013	10	5	6	V	0.07	0	2.78	81
180970073	2013	10	5	7	V	0.3	0	2.86	170
180970073	2013	10	5	8	V	0.4	0	2.47	165
180970073	2013	10	5	9	V	0.4	0	3.13	157
180970073	2013	10	5	10	V	0.2	0	3.41	166
180970073	2013	10	5	11	V	0.04	0	5.65	187
180970073	2013	10	5	12	V	0.2	0	3.95	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	5	13	V	0.2	0	3.54	173
180970073	2013	10	5	14	V	0.03	0	5.27	174
180970073	2013	10	5	15	V	0.02	0	5.7	172
180970073	2013	10	5	16	V	0.07	0	5.21	202
180970073	2013	10	5	17	V	0.05	0	3.78	170
180970073	2013	10	5	18	V	0.05	0	3	157
180970073	2013	10	5	19	V	0.05	0	5.12	176
180970073	2013	10	5	20	V	0.04	0	6.62	201
180970073	2013	10	5	21	V	0.05	0	4.8	171
180970073	2013	10	5	22	V	0.05	0	5.51	166
180970073	2013	10	5	23	V	0.04	-999	6.48	169
180970073	2013	10	5	24	V	0.05	0	4.31	153
180970073	2013	10	6	1	V	0.05	0	3	162
180970073	2013	10	6	2	V	0.05	0	3.18	165
180970073	2013	10	6	3	V	0.04	0	4.48	143
180970073	2013	10	6	4	V	0.05	0	5.16	155
180970073	2013	10	6	5	V	0.04	0	5.41	150
180970073	2013	10	6	6	V	0.05	0	6.02	145
180970073	2013	10	6	7	V	0.02	0	5.97	142
180970073	2013	10	6	8	V	0.02	0	6.33	202
180970073	2013	10	6	9	V	0.09	0	4.48	275
180970073	2013	10	6	10	V	1.4	0	4.58	261
180970073	2013	10	6	11	V	5.0	0	4.32	249
180970073	2013	10	6	12	V	1.3	0	5.02	259
180970073	2013	10	6	13	V	5.9	0	4.44	242
180970073	2013	10	6	14	V	8.0	0	4.71	240
180970073	2013	10	6	15	V	13.4	3.9	5.19	228
180970073	2013	10	6	16	V	0.06	6.2	4.83	207
180970073	2013	10	6	17	V	0.05	1.8	4.99	195
180970073	2013	10	6	18	V	0.04	0	4.83	200
180970073	2013	10	6	19	V	0.09	0	5.26	217
180970073	2013	10	6	20	V	0.03	0	8.83	286
180970073	2013	10	6	21	V	0.03	0	6.43	279
180970073	2013	10	6	22	V	0.5	0	3.59	262
180970073	2013	10	6	23	V	25.4	0	2.83	230
180970073	2013	10	6	24	V	0.02	0	3.25	215
180970073	2013	10	7	1	V	2.0	8	4.59	223
180970073	2013	10	7	2	V	4.8	9.1	5.17	225
180970073	2013	10	7	3	V	0.04	13.5	3.52	217
180970073	2013	10	7	4	V	0.03	2.5	3.86	207
180970073	2013	10	7	5	V	5.7	0.1	5.96	241
180970073	2013	10	7	6	V	0.03	2.3	6.74	281
180970073	2013	10	7	7	V	0.03	0	5.9	294
180970073	2013	10	7	8	V	0.06	0	5.5	284
180970073	2013	10	7	9	V	0.03	0	6.3	276
180970073	2013	10	7	10	V	0.03	0	6.4	272

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	7	11	V	0.4	0	5.68	264
180970073	2013	10	7	12	V	0.09	0	5.94	269
180970073	2013	10	7	13	V	0.02	0	6.47	279
180970073	2013	10	7	14	V	0.04	0	7.2	268
180970073	2013	10	7	15	V	0.02	0	6.12	276
180970073	2013	10	7	16	V	0.07	0	4.66	264
180970073	2013	10	7	17	V	0.04	0	3.58	286
180970073	2013	10	7	18	V	0.03	0	3.64	274
180970073	2013	10	7	19	V	26.8	0	2.54	236
180970073	2013	10	7	20	V	0.05	0	2.73	194
180970073	2013	10	7	21	V	0.05	0	2.83	195
180970073	2013	10	7	22	V	0.06	0	2.39	187
180970073	2013	10	7	23	V	0.05	0	2.52	198
180970073	2013	10	7	24	V	0.04	0	2.79	201
180970073	2013	10	8	1	V	0.05	0	2.27	200
180970073	2013	10	8	2	V	0.07	0	1.99	186
180970073	2013	10	8	3	V	0.3	0	1.25	177
180970073	2013	10	8	4	V	0.1	0	1.69	204
180970073	2013	10	8	5	V	0.1	-999	1.55	166
180970073	2013	10	8	6	V	0.09	-999	1.86	157
180970073	2013	10	8	7	V	1.5	-999	1.21	134
180970073	2013	10	8	8	V	0.8	-999	1.94	115
180970073	2013	10	8	9	V	0.9	-999	1.94	134
180970073	2013	10	8	10	V	0.5	0	2.38	144
180970073	2013	10	8	11	V	0.5	0	2.22	128
180970073	2013	10	8	12	V	0.2	0	3.3	125
180970073	2013	10	8	13	V	0.1	0	3.39	118
180970073	2013	10	8	14	V	0.09	0	3.39	120
180970073	2013	10	8	15	V	0.04	0	3.8	116
180970073	2013	10	8	16	V	0.06	0	4.25	110
180970073	2013	10	8	17	V	0.03	0	4.31	118
180970073	2013	10	8	18	V	0.03	0	3.63	116
180970073	2013	10	8	19	V	0.06	0	2.52	108
180970073	2013	10	8	20	V	0.04	0	2.97	95
180970073	2013	10	8	21	V	0.03	0	3.86	125
180970073	2013	10	8	22	V	0.03	0	4.36	124
180970073	2013	10	8	23	V	0.03	0	3.86	117
180970073	2013	10	8	24	V	0.03	0	2.86	101
180970073	2013	10	9	1	V	0.03	0	2.86	106
180970073	2013	10	9	2	V	0.05	0	2.36	113
180970073	2013	10	9	3	V	0.05	0	2.36	84
180970073	2013	10	9	4	V	0.1	0	1.76	92
180970073	2013	10	9	5	V	0.05	0	2.36	87
180970073	2013	10	9	6	C	-999	0	0	0
180970073	2013	10	9	7	V	0.7	0	1.76	43
180970073	2013	10	9	8	V	0.5	-999	2.3	41

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	9	9	V	0.8	1	2.11	70
180970073	2013	10	9	10	V	0.6	3	2.06	98
180970073	2013	10	9	11	V	0.9	2.5	1.65	88
180970073	2013	10	9	12	V	0.7	1.4	1.82	81
180970073	2013	10	9	13	V	0.2	0.3	2.86	85
180970073	2013	10	9	14	V	0.1	0.1	3.08	109
180970073	2013	10	9	15	V	0.1	0.1	2.79	120
180970073	2013	10	9	16	V	0.07	0	2.16	125
180970073	2013	10	9	17	V	0.2	0	1.62	165
180970073	2013	10	9	18	V	0.4	0	1.26	161
180970073	2013	10	9	19	V	0.4	0	1.3	190
180970073	2013	10	9	20	V	0.2	0	1.55	212
180970073	2013	10	9	21	V	0.5	0	1.09	83
180970073	2013	10	9	22	V	0.3	0	1.31	140
180970073	2013	10	9	23	V	0.06	0	2.25	137
180970073	2013	10	9	24	V	0.08	0	2.06	100
180970073	2013	10	10	1	V	0.3	0	1.23	73
180970073	2013	10	10	2	V	1.3	0	0.55	32
180970073	2013	10	10	3	V	0.3	0	1.25	45
180970073	2013	10	10	4	V	0.1	0	1.7	49
180970073	2013	10	10	5	V	0.08	0	1.96	57
180970073	2013	10	10	6	V	0.06	0	2.06	65
180970073	2013	10	10	7	V	0.7	0	1.76	73
180970073	2013	10	10	8	V	1.9	0	1.18	90
180970073	2013	10	10	9	V	2.9	0	1.11	110
180970073	2013	10	10	10	V	2.6	0.5	1.06	124
180970073	2013	10	10	11	V	1.5	0.7	1.14	122
180970073	2013	10	10	12	V	1.6	2.6	1.01	157
180970073	2013	10	10	13	V	1.0	3.7	1.31	71
180970073	2013	10	10	14	V	0.6	4.4	1.55	351
180970073	2013	10	10	15	V	0.4	8.4	1.48	148
180970073	2013	10	10	16	V	0.2	6.4	1.76	106
180970073	2013	10	10	17	V	0.07	4.8	2.38	89
180970073	2013	10	10	18	V	0.06	2.7	2.64	117
180970073	2013	10	10	19	V	0.06	1.1	2.59	128
180970073	2013	10	10	20	V	0.2	0.3	1.42	165
180970073	2013	10	10	21	C	-999	0	0	0
180970073	2013	10	10	22	V	6.6	0	0.52	257
180970073	2013	10	10	23	V	0.2	0	1.48	103
180970073	2013	10	10	24	V	1.0	0	0.82	3
180970073	2013	10	11	1	V	0.2	0	1.4	17
180970073	2013	10	11	2	V	0.2	0	1.4	48
180970073	2013	10	11	3	V	0.2	0	1.38	25
180970073	2013	10	11	4	V	0.07	0	2.1	44
180970073	2013	10	11	5	V	0.06	0	2.1	39
180970073	2013	10	11	6	V	0.3	0	1.28	12

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	11	7	V	3.7	0	0.77	355
180970073	2013	10	11	8	V	4.8	0	0.52	359
180970073	2013	10	11	9	C	-999	0	0	0
180970073	2013	10	11	10	V	3.4	0	0.8	87
180970073	2013	10	11	11	V	2.0	0	1.13	111
180970073	2013	10	11	12	V	0.8	0	1.54	179
180970073	2013	10	11	13	V	0.7	0	1.54	153
180970073	2013	10	11	14	V	4.3	0	1.48	239
180970073	2013	10	11	15	V	5.2	0	1.62	227
180970073	2013	10	11	16	V	0.07	0	2.5	166
180970073	2013	10	11	17	V	0.07	0	2.18	161
180970073	2013	10	11	18	V	0.06	0	2.47	179
180970073	2013	10	11	19	V	0.06	0	2.59	202
180970073	2013	10	11	20	V	0.08	0	2.15	161
180970073	2013	10	11	21	V	0.09	0	1.96	169
180970073	2013	10	11	22	V	0.6	0	1.03	197
180970073	2013	10	11	23	V	0.5	0	0.99	209
180970073	2013	10	11	24	V	7.7	0	1.26	246
180970073	2013	10	12	1	V	1.1	0	0.7	87
180970073	2013	10	12	2	V	0.3	0	1.16	95
180970073	2013	10	12	3	V	0.9	0	0.77	65
180970073	2013	10	12	4	V	0.6	0	0.92	112
180970073	2013	10	12	5	V	0.7	0	0.91	81
180970073	2013	10	12	6	V	0.1	0	1.67	86
180970073	2013	10	12	7	V	0.5	0	2.06	103
180970073	2013	10	12	8	V	1.6	0	1.25	112
180970073	2013	10	12	9	V	0.8	0	2.15	138
180970073	2013	10	12	10	V	0.6	1	2.64	126
180970073	2013	10	12	11	V	0.5	2.9	2.44	159
180970073	2013	10	12	12	V	0.3	3.4	2.74	202
180970073	2013	10	12	13	V	0.2	1.5	4.12	210
180970073	2013	10	12	14	V	0.5	1.5	3.52	212
180970073	2013	10	12	15	V	0.04	0	4.2	207
180970073	2013	10	12	16	V	0.07	0	3.78	212
180970073	2013	10	12	17	V	0.05	0	3.12	216
180970073	2013	10	12	18	V	0.08	0.7	2.03	211
180970073	2013	10	12	19	V	0.08	0.2	2.15	180
180970073	2013	10	12	20	V	0.05	0	2.57	165
180970073	2013	10	12	21	V	0.2	0	1.35	198
180970073	2013	10	12	22	V	0.2	0	1.64	290
180970073	2013	10	12	23	V	0.1	-999	1.74	276
180970073	2013	10	12	24	V	0.05	0	2.13	284
180970073	2013	10	13	1	V	0.03	0	4.66	329
180970073	2013	10	13	2	V	0.03	0	5.03	345
180970073	2013	10	13	3	V	0.03	0	4.86	342
180970073	2013	10	13	4	V	0.03	0	5.36	360

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	13	5	V	0.03	0	3.36	358
180970073	2013	10	13	6	V	0.03	0	3.86	357
180970073	2013	10	13	7	V	0.1	0	3.86	1
180970073	2013	10	13	8	V	0.09	0	4.36	4
180970073	2013	10	13	9	V	0.03	0	5.96	356
180970073	2013	10	13	10	V	0.05	0	5.36	18
180970073	2013	10	13	11	V	0.02	0	6.46	356
180970073	2013	10	13	12	V	0.07	0	4.12	7
180970073	2013	10	13	13	V	0.07	0	4.05	8
180970073	2013	10	13	14	V	0.05	0	3.98	353
180970073	2013	10	13	15	V	0.04	0	3.97	353
180970073	2013	10	13	16	V	0.05	0	4.12	350
180970073	2013	10	13	17	V	0.04	0	3.9	354
180970073	2013	10	13	18	V	0.04	0	4	350
180970073	2013	10	13	19	V	0.04	0	3.35	346
180970073	2013	10	13	20	V	0.04	0	3.68	357
180970073	2013	10	13	21	V	0.03	0	5.44	6
180970073	2013	10	13	22	V	0.03	0	5.41	22
180970073	2013	10	13	23	V	0.03	0	4.66	17
180970073	2013	10	13	24	V	0.03	0	4.14	17
180970073	2013	10	14	1	V	0.03	0	4.34	27
180970073	2013	10	14	2	V	0.03	0	3.98	28
180970073	2013	10	14	3	V	0.03	0	3.73	23
180970073	2013	10	14	4	V	0.03	0	4.05	30
180970073	2013	10	14	5	V	0.03	0	3.37	28
180970073	2013	10	14	6	V	0.04	0	3.59	29
180970073	2013	10	14	7	V	0.2	0	3.25	33
180970073	2013	10	14	8	V	0.3	0	3.25	32
180970073	2013	10	14	9	V	0.2	0	3.81	44
180970073	2013	10	14	10	V	0.2	0	3.27	57
180970073	2013	10	14	11	V	0.2	0	3.34	83
180970073	2013	10	14	12	V	0.2	0	3.22	95
180970073	2013	10	14	13	V	0.5	0	1.91	79
180970073	2013	10	14	14	V	0.3	0	2.2	101
180970073	2013	10	14	15	V	0.2	0	2.27	74
180970073	2013	10	14	16	V	0.07	0	2.4	106
180970073	2013	10	14	17	V	0.06	0	2.52	109
180970073	2013	10	14	18	V	0.07	0	2.37	90
180970073	2013	10	14	19	V	0.07	0	2.28	56
180970073	2013	10	14	20	V	0.05	0	2.66	37
180970073	2013	10	14	21	V	0.05	0	2.71	45
180970073	2013	10	14	22	V	0.04	0	2.76	45
180970073	2013	10	14	23	V	0.03	0	3.12	72
180970073	2013	10	14	24	V	0.04	0	2.56	87
180970073	2013	10	15	1	V	0.04	0	2.5	88
180970073	2013	10	15	2	V	0.03	0	3.17	100

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	15	3	V	0.03	0	3.07	102
180970073	2013	10	15	4	V	0.04	0	2.32	100
180970073	2013	10	15	5	V	0.04	0	2.35	119
180970073	2013	10	15	6	V	0.04	0	3.51	124
180970073	2013	10	15	7	V	0.1	0	3.64	125
180970073	2013	10	15	8	V	0.1	0	3.86	130
180970073	2013	10	15	9	V	0.2	0	3.69	137
180970073	2013	10	15	10	V	0.2	0	3.54	149
180970073	2013	10	15	11	V	0.2	0	3.83	160
180970073	2013	10	15	12	V	0.3	0	3.1	145
180970073	2013	10	15	13	V	0.1	0	4.31	175
180970073	2013	10	15	14	V	0.07	0	4.66	186
180970073	2013	10	15	15	V	0.02	0	7.06	180
180970073	2013	10	15	16	V	0.05	0	5.82	186
180970073	2013	10	15	17	V	0.04	0	5.7	182
180970073	2013	10	15	18	V	0.05	0	5.77	178
180970073	2013	10	15	19	V	0.05	0	5.82	189
180970073	2013	10	15	20	V	0.05	0	5.78	198
180970073	2013	10	15	21	V	0.04	0	6.7	203
180970073	2013	10	15	22	V	0.04	0	5.97	204
180970073	2013	10	15	23	V	0.05	0	5.27	215
180970073	2013	10	15	24	V	0.05	0	4.65	216
180970073	2013	10	16	1	V	0.5	0	3.95	221
180970073	2013	10	16	2	V	0.09	0.9	3.34	219
180970073	2013	10	16	3	V	1.0	1.2	4.34	262
180970073	2013	10	16	4	V	0.03	0.5	4.44	306
180970073	2013	10	16	5	V	0.03	0	3.78	301
180970073	2013	10	16	6	V	0.04	0	3.85	294
180970073	2013	10	16	7	V	0.07	0	4.77	292
180970073	2013	10	16	8	V	0.1	0	3.58	288
180970073	2013	10	16	9	V	0.1	0	4.12	275
180970073	2013	10	16	10	V	0.05	0	5.09	274
180970073	2013	10	16	11	V	0.4	0	5.04	264
180970073	2013	10	16	12	V	2.8	0	4.12	250
180970073	2013	10	16	13	V	6.3	0	5.56	239
180970073	2013	10	16	14	V	2.1	0	5.43	252
180970073	2013	10	16	15	V	0.9	0	5.16	259
180970073	2013	10	16	16	V	0.05	0	4.77	278
180970073	2013	10	16	17	V	0.04	0	5.14	272
180970073	2013	10	16	18	V	0.03	0	4.87	302
180970073	2013	10	16	19	V	0.03	0	4.92	314
180970073	2013	10	16	20	V	0.03	0	3.9	306
180970073	2013	10	16	21	V	0.07	0	2.37	290
180970073	2013	10	16	22	V	0.1	0	2.03	280
180970073	2013	10	16	23	V	0.3	0	1.35	281
180970073	2013	10	16	24	V	4.3	0	1.81	257

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	17	1	V	7.3	0	1.98	248
180970073	2013	10	17	2	V	27.8	0	1.98	233
180970073	2013	10	17	3	V	11.5	0	1.5	226
180970073	2013	10	17	4	V	10.9	-999	1.91	239
180970073	2013	10	17	5	V	0.2	-999	1.81	265
180970073	2013	10	17	6	V	0.5	-999	2.23	262
180970073	2013	10	17	7	V	10.4	-999	2.21	246
180970073	2013	10	17	8	V	0.6	-999	1.84	186
180970073	2013	10	17	9	V	7.0	-999	3.08	220
180970073	2013	10	17	10	V	29.9	-999	3.08	238
180970073	2013	10	17	11	V	0.2	0.5	3.6	200
180970073	2013	10	17	12	V	12.9	6.9	4.85	228
180970073	2013	10	17	13	V	1.5	2.3	7.11	255
180970073	2013	10	17	14	V	2.0	0	7.11	253
180970073	2013	10	17	15	V	0.3	0	6.96	261
180970073	2013	10	17	16	V	0.3	0	6.6	266
180970073	2013	10	17	17	V	0.08	0	5.02	268
180970073	2013	10	17	18	V	0.04	0	3.07	269
180970073	2013	10	17	19	V	12.0	0	3	238
180970073	2013	10	17	20	V	0.06	0	2.52	208
180970073	2013	10	17	21	V	0.03	0	3.54	211
180970073	2013	10	17	22	V	0.03	0	3.34	207
180970073	2013	10	17	23	V	0.03	0	3.52	214
180970073	2013	10	17	24	V	0.04	-999	2.9	217
180970073	2013	10	18	1	V	0.04	-999	2.71	216
180970073	2013	10	18	2	V	0.05	-999	2.69	210
180970073	2013	10	18	3	V	0.03	-999	3.2	212
180970073	2013	10	18	4	V	0.03	-999	3.73	218
180970073	2013	10	18	5	V	0.03	-999	3.47	209
180970073	2013	10	18	6	V	0.04	-999	3.42	211
180970073	2013	10	18	7	V	0.4	-999	3.44	211
180970073	2013	10	18	8	V	0.5	-999	3.52	209
180970073	2013	10	18	9	V	0.2	-999	4.58	209
180970073	2013	10	18	10	V	0.05	2.2	5.12	205
180970073	2013	10	18	11	V	0.05	0.2	5.51	210
180970073	2013	10	18	12	V	0.6	0.2	6.65	220
180970073	2013	10	18	13	V	7.7	4.1	7.83	230
180970073	2013	10	18	14	V	8.1	7	8.4	234
180970073	2013	10	18	15	V	1.6	2.1	7.31	248
180970073	2013	10	18	16	V	5.3	0.2	6.91	249
180970073	2013	10	18	17	V	4.4	0	6.38	247
180970073	2013	10	18	18	V	0.1	0	5.19	266
180970073	2013	10	18	19	V	0.04	0	5.43	305
180970073	2013	10	18	20	V	0.03	0	3.97	313
180970073	2013	10	18	21	V	0.04	0	3.98	331
180970073	2013	10	18	22	V	0.04	0	3.61	346

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	18	23	V	0.09	0	1.89	26
180970073	2013	10	18	24	V	0.6	0	0.99	77
180970073	2013	10	19	1	V	1.1	0	0.82	307
180970073	2013	10	19	2	V	0.5	0	1.06	60
180970073	2013	10	19	3	V	1.1	0	0.72	153
180970073	2013	10	19	4	V	0.06	0	2.01	172
180970073	2013	10	19	5	V	0.1	0	1.55	283
180970073	2013	10	19	6	V	0.3	0	1.21	214
180970073	2013	10	19	7	V	0.2	0	2.11	277
180970073	2013	10	19	8	V	0.05	-999	4.9	298
180970073	2013	10	19	9	V	0.1	-999	3.93	310
180970073	2013	10	19	10	V	0.07	-999	4.83	287
180970073	2013	10	19	11	V	0.04	-999	5.72	284
180970073	2013	10	19	12	V	0.1	-999	3.81	275
180970073	2013	10	19	13	V	0.04	0	5.24	276
180970073	2013	10	19	14	V	0.03	0	6.99	269
180970073	2013	10	19	15	V	0.3	0	7.4	261
180970073	2013	10	19	16	V	4.0	0	6.47	256
180970073	2013	10	19	17	V	4.2	0	5.36	256
180970073	2013	10	19	18	V	3.4	0	5.07	242
180970073	2013	10	19	19	V	0.03	1.5	3.85	210
180970073	2013	10	19	20	V	0.03	0.4	4.14	203
180970073	2013	10	19	21	V	0.03	0	4.39	202
180970073	2013	10	19	22	V	0.03	-999	3.97	213
180970073	2013	10	19	23	V	0.03	-999	3.85	215
180970073	2013	10	19	24	V	0.03	-999	3.49	212
180970073	2013	10	20	1	V	0.02	-999	3.69	208
180970073	2013	10	20	2	V	0.02	-999	3.56	206
180970073	2013	10	20	3	V	0.02	-999	4.2	210
180970073	2013	10	20	4	V	0.03	-999	4.27	209
180970073	2013	10	20	5	V	0.03	-999	3.98	208
180970073	2013	10	20	6	V	0.03	-999	4	207
180970073	2013	10	20	7	M	-999	-999	4.12	207
180970073	2013	10	20	8	M	-999	-999	3.1	211
180970073	2013	10	20	9	M	-999	-999	3.95	211
180970073	2013	10	20	10	M	-999	-999	4.76	206
180970073	2013	10	20	11	M	-999	-999	5.16	214
180970073	2013	10	20	12	M	-999	0	5.92	203
180970073	2013	10	20	13	M	-999	0	7.47	195
180970073	2013	10	20	14	M	-999	0	7.96	202
180970073	2013	10	20	15	M	-999	0	9.39	204
180970073	2013	10	20	16	V	0.03	0	8.49	206
180970073	2013	10	20	17	V	0.03	0	8.52	202
180970073	2013	10	20	18	V	0.03	0	6.97	191
180970073	2013	10	20	19	V	0.04	0.3	5.63	178
180970073	2013	10	20	20	V	0.03	1.9	5.38	180

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	20	21	V	0.03	0.6	5.43	183
180970073	2013	10	20	22	V	0.03	0.6	4.7	190
180970073	2013	10	20	23	V	0.03	0.5	5.29	191
180970073	2013	10	20	24	V	0.02	0.3	4.87	196
180970073	2013	10	21	1	V	0.02	0	3.86	191
180970073	2013	10	21	2	V	0.02	0	4.27	187
180970073	2013	10	21	3	V	0.02	0	3.78	193
180970073	2013	10	21	4	V	0.02	0	4.34	195
180970073	2013	10	21	5	V	0.02	0	4.48	192
180970073	2013	10	21	6	V	0.03	0	4.53	196
180970073	2013	10	21	7	V	0.2	-999	3.78	206
180970073	2013	10	21	8	V	0.2	-999	3.44	208
180970073	2013	10	21	9	V	0.1	-999	4.73	211
180970073	2013	10	21	10	V	12.3	7.3	6.24	234
180970073	2013	10	21	11	V	4.8	7.5	6.16	241
180970073	2013	10	21	12	V	10.1	28	4.94	237
180970073	2013	10	21	13	V	7.1	20.6	6.55	238
180970073	2013	10	21	14	V	9.6	16.5	7.3	235
180970073	2013	10	21	15	V	0.01	3.4	5	273
180970073	2013	10	21	16	V	0.04	0.3	4.97	276
180970073	2013	10	21	17	V	0.04	0	5.46	284
180970073	2013	10	21	18	V	0.05	0	5.46	275
180970073	2013	10	21	19	V	0.05	0	5.16	279
180970073	2013	10	21	20	V	0.05	0	4.71	284
180970073	2013	10	21	21	V	0.04	0	6.92	296
180970073	2013	10	21	22	V	0.03	0	5.84	302
180970073	2013	10	21	23	V	0.03	0	6.16	319
180970073	2013	10	21	24	V	0.03	0	3.97	311
180970073	2013	10	22	1	V	0.06	0	2.28	304
180970073	2013	10	22	2	V	8.4	0	1.98	249
180970073	2013	10	22	3	V	0.09	0	2.86	221
180970073	2013	10	22	4	V	8.2	0	2.11	240
180970073	2013	10	22	5	V	8.5	0	1.4	253
180970073	2013	10	22	6	V	11.6	0	2.47	251
180970073	2013	10	22	7	V	7.0	-999	2.32	253
180970073	2013	10	22	8	V	31.1	-999	2.4	237
180970073	2013	10	22	9	V	16.1	-999	3.39	243
180970073	2013	10	22	10	V	15.3	3.8	3.51	242
180970073	2013	10	22	11	V	4.1	3	4.14	250
180970073	2013	10	22	12	V	1.3	1.4	2.88	262
180970073	2013	10	22	13	V	7.0	1.2	2.03	248
180970073	2013	10	22	14	V	0.4	12.1	1.57	276
180970073	2013	10	22	15	V	0.04	36.1	1.96	285
180970073	2013	10	22	16	V	0.05	4	3.51	200
180970073	2013	10	22	17	V	0.2	0	1.47	286
180970073	2013	10	22	18	V	0.05	0	2.74	79

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	22	19	V	0.1	0	1.89	109
180970073	2013	10	22	20	V	0.05	1.4	3.25	44
180970073	2013	10	22	21	V	0.05	1.1	4.15	68
180970073	2013	10	22	22	V	0.04	0	5.07	69
180970073	2013	10	22	23	V	0.04	-999	4.65	58
180970073	2013	10	22	24	V	0.03	-999	5.29	45
180970073	2013	10	23	1	V	0.03	0	6.06	39
180970073	2013	10	23	2	V	0.03	0	7.42	18
180970073	2013	10	23	3	V	0.03	0	6.84	15
180970073	2013	10	23	4	V	0.04	0	5.71	358
180970073	2013	10	23	5	V	0.04	0	4.86	345
180970073	2013	10	23	6	V	0.04	0	5.75	329
180970073	2013	10	23	7	V	0.07	0	5.1	320
180970073	2013	10	23	8	V	0.1	0	4.24	302
180970073	2013	10	23	9	V	0.07	0	4.85	288
180970073	2013	10	23	10	V	0.06	0	5.22	293
180970073	2013	10	23	11	V	0.07	0	5.05	282
180970073	2013	10	23	12	V	0.05	0	5.68	290
180970073	2013	10	23	13	V	0.02	0	7.35	300
180970073	2013	10	23	14	V	0.02	0	7.23	290
180970073	2013	10	23	15	V	0.01	0	7.38	287
180970073	2013	10	23	16	V	0.04	0	7.62	274
180970073	2013	10	23	17	V	0.07	0	6.36	269
180970073	2013	10	23	18	V	0.06	0	4.97	271
180970073	2013	10	23	19	V	0.1	0	3.74	267
180970073	2013	10	23	20	V	0.05	0	3	271
180970073	2013	10	23	21	V	0.2	0	3.69	266
180970073	2013	10	23	22	V	0.1	0	4.1	266
180970073	2013	10	23	23	V	0.05	0	4.59	272
180970073	2013	10	23	24	V	0.08	0	4.65	269
180970073	2013	10	24	1	V	0.4	0	3.81	264
180970073	2013	10	24	2	V	0.04	0	4.51	279
180970073	2013	10	24	3	V	0.04	0	4.03	275
180970073	2013	10	24	4	V	0.06	0	4.1	270
180970073	2013	10	24	5	V	1.6	0	3.47	260
180970073	2013	10	24	6	V	4.0	0	3.68	243
180970073	2013	10	24	7	V	6.5	0	3.8	242
180970073	2013	10	24	8	V	7.6	0.1	3.78	240
180970073	2013	10	24	9	V	3.3	0	4.03	251
180970073	2013	10	24	10	V	1.8	0	4.29	254
180970073	2013	10	24	11	V	4.7	0	3.97	241
180970073	2013	10	24	12	V	0.9	0	4.53	259
180970073	2013	10	24	13	V	0.02	0	4.97	285
180970073	2013	10	24	14	V	0.01	0	5.82	293
180970073	2013	10	24	15	V	0.06	0	6.23	285
180970073	2013	10	24	16	V	0.04	0	5.51	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	24	17	V	0.05	0	4.68	275
180970073	2013	10	24	18	V	0.05	0	4.49	283
180970073	2013	10	24	19	V	0.04	0	3.76	279
180970073	2013	10	24	20	V	0.04	0	4.41	286
180970073	2013	10	24	21	V	0.03	0	4.34	291
180970073	2013	10	24	22	V	0.04	0	4.46	284
180970073	2013	10	24	23	V	0.03	0	3.42	286
180970073	2013	10	24	24	V	0.03	0	3.73	285
180970073	2013	10	25	1	V	0.03	0	3.54	272
180970073	2013	10	25	2	V	0.1	-999	3.44	265
180970073	2013	10	25	3	V	0.06	-999	3.44	266
180970073	2013	10	25	4	V	9.1	-999	3.29	253
180970073	2013	10	25	5	V	1.6	-999	3.56	244
180970073	2013	10	25	6	V	8.8	-999	3.46	250
180970073	2013	10	25	7	V	1.5	-999	3.22	263
180970073	2013	10	25	8	V	8.6	-999	3.34	248
180970073	2013	10	25	9	V	6.6	-999	2.84	255
180970073	2013	10	25	10	V	3.0	-999	2.16	263
180970073	2013	10	25	11	V	0.2	0	3.22	283
180970073	2013	10	25	12	V	0.04	0	5.05	288
180970073	2013	10	25	13	V	0.03	0	5.36	278
180970073	2013	10	25	14	V	0.2	0	4.54	267
180970073	2013	10	25	15	V	1.5	0	4.31	256
180970073	2013	10	25	16	V	6.6	0	4.95	253
180970073	2013	10	25	17	V	4.8	0	4.75	247
180970073	2013	10	25	18	V	24.2	0.1	4.53	236
180970073	2013	10	25	19	V	0.03	2.2	3.63	206
180970073	2013	10	25	20	V	0.03	1.7	3.83	200
180970073	2013	10	25	21	V	0.03	0	4.54	200
180970073	2013	10	25	22	V	0.03	0	4.59	203
180970073	2013	10	25	23	V	0.03	0	4.51	206
180970073	2013	10	25	24	V	0.02	0	4.27	209
180970073	2013	10	26	1	V	0.02	0	3.95	205
180970073	2013	10	26	2	V	0.02	0.3	4.32	205
180970073	2013	10	26	3	V	0.03	0.8	4.83	201
180970073	2013	10	26	4	V	0.03	0.5	5.29	206
180970073	2013	10	26	5	V	0.03	0	5.26	205
180970073	2013	10	26	6	V	0.03	0.1	5.21	208
180970073	2013	10	26	7	V	0.02	0.5	6.53	204
180970073	2013	10	26	8	V	0.01	0.5	6.86	209
180970073	2013	10	26	9	V	0.01	0.3	7.48	212
180970073	2013	10	26	10	V	0.01	0.3	8.27	214
180970073	2013	10	26	11	V	0.2	0.5	8.08	221
180970073	2013	10	26	12	V	1.4	1.5	8.03	225
180970073	2013	10	26	13	V	0.01	2.2	9.56	215
180970073	2013	10	26	14	V	1.6	5.6	8.3	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	26	15	V	1.1	0	7.21	246
180970073	2013	10	26	16	V	5.1	0	8.2	252
180970073	2013	10	26	17	V	0.04	0.1	6.62	274
180970073	2013	10	26	18	V	0.03	0	6.67	293
180970073	2013	10	26	19	V	0.04	0	5.14	304
180970073	2013	10	26	20	V	0.03	0	5.04	313
180970073	2013	10	26	21	V	0.03	0	3.4	296
180970073	2013	10	26	22	V	0.05	0	2.69	290
180970073	2013	10	26	23	V	0.03	-999	3.32	311
180970073	2013	10	26	24	V	0.03	0	3.35	316
180970073	2013	10	27	1	V	0.07	0	2.23	294
180970073	2013	10	27	2	V	9.1	0	2.25	249
180970073	2013	10	27	3	V	6.9	0	2.35	255
180970073	2013	10	27	4	V	0.2	0	1.38	281
180970073	2013	10	27	5	V	0.2	0	1.48	216
180970073	2013	10	27	6	V	12.6	0	1.64	239
180970073	2013	10	27	7	V	5.0	0	1.84	258
180970073	2013	10	27	8	V	7.6	0	1.5	258
180970073	2013	10	27	9	V	12.8	0	0.89	224
180970073	2013	10	27	10	V	7.9	11.8	0.82	222
180970073	2013	10	27	11	V	18.5	71.5	2.25	225
180970073	2013	10	27	12	V	7.2	32.2	3.9	242
180970073	2013	10	27	13	V	7.2	10.5	3.72	240
180970073	2013	10	27	14	V	7.2	1.6	3.49	239
180970073	2013	10	27	15	V	2.6	7.5	3.3	246
180970073	2013	10	27	16	V	8.4	6.3	3.92	251
180970073	2013	10	27	17	V	28.4	11.1	3.18	231
180970073	2013	10	27	18	V	0.7	4.1	2.96	242
180970073	2013	10	27	19	V	0.3	0.7	2.1	220
180970073	2013	10	27	20	V	20.1	0	1.99	228
180970073	2013	10	27	21	V	17.1	0	1.5	226
180970073	2013	10	27	22	V	31.9	0	1.2	228
180970073	2013	10	27	23	V	1.2	0	0.94	215
180970073	2013	10	27	24	V	17.1	0	0.63	229
180970073	2013	10	28	1	V	0.7	0	0.94	272
180970073	2013	10	28	2	V	1.1	0	0.7	288
180970073	2013	10	28	3	V	0.6	0	0.97	96
180970073	2013	10	28	4	V	0.9	0	0.82	24
180970073	2013	10	28	5	V	0.3	0	1.21	56
180970073	2013	10	28	6	V	0.6	0	1.04	114
180970073	2013	10	28	7	V	1.6	0	1.09	38
180970073	2013	10	28	8	V	4.4	0	0.74	137
180970073	2013	10	28	9	V	5.2	0	0.52	73
180970073	2013	10	28	10	V	4.5	2.2	0.75	115
180970073	2013	10	28	11	V	3.3	3	1.06	99
180970073	2013	10	28	12	V	0.9	1.8	1.65	125

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	28	13	V	0.3	0.6	2.42	99
180970073	2013	10	28	14	V	0.9	0.7	1.33	354
180970073	2013	10	28	15	V	0.4	0.7	1.45	127
180970073	2013	10	28	16	V	0.6	0.8	0.96	8
180970073	2013	10	28	17	V	0.3	0.2	1.33	347
180970073	2013	10	28	18	V	0.07	0	2.27	1
180970073	2013	10	28	19	V	0.06	0	2.67	18
180970073	2013	10	28	20	V	0.06	0	2.57	27
180970073	2013	10	28	21	V	0.06	0	2.49	30
180970073	2013	10	28	22	V	0.07	0	2.42	27
180970073	2013	10	28	23	V	0.04	0	3.15	35
180970073	2013	10	28	24	V	0.05	0	2.56	44
180970073	2013	10	29	1	V	0.05	0	2.56	44
180970073	2013	10	29	2	V	0.08	0	2.13	43
180970073	2013	10	29	3	V	0.08	0	2.08	55
180970073	2013	10	29	4	V	0.09	0	1.99	74
180970073	2013	10	29	5	V	0.09	0	2.03	63
180970073	2013	10	29	6	V	0.06	0	2.62	43
180970073	2013	10	29	7	V	0.2	0	3.05	48
180970073	2013	10	29	8	V	0.3	0	2.79	60
180970073	2013	10	29	9	V	0.5	0	2.18	73
180970073	2013	10	29	10	V	0.4	0.2	2.52	85
180970073	2013	10	29	11	V	0.3	0.7	2.83	113
180970073	2013	10	29	12	V	0.3	1.8	2.83	107
180970073	2013	10	29	13	V	0.3	2.5	2.76	114
180970073	2013	10	29	14	V	0.3	2.7	2.67	114
180970073	2013	10	29	15	V	0.09	2.9	3	121
180970073	2013	10	29	16	V	0.05	2.7	2.59	110
180970073	2013	10	29	17	V	0.05	2.3	2.81	108
180970073	2013	10	29	18	V	0.05	1.9	3.13	81
180970073	2013	10	29	19	V	0.05	1.7	3.35	95
180970073	2013	10	29	20	V	0.05	1.7	3.61	104
180970073	2013	10	29	21	V	0.05	1.6	2.74	138
180970073	2013	10	29	22	V	0.05	2.1	3.01	110
180970073	2013	10	29	23	V	0.05	2.3	2.83	103
180970073	2013	10	29	24	V	0.04	0.5	3.3	117
180970073	2013	10	30	1	V	0.04	0	2.5	102
180970073	2013	10	30	2	V	0.07	0	1.89	75
180970073	2013	10	30	3	V	0.05	0	2.23	90
180970073	2013	10	30	4	V	0.08	0	2.01	93
180970073	2013	10	30	5	V	0.05	0	2.71	103
180970073	2013	10	30	6	V	0.08	0	2.05	104
180970073	2013	10	30	7	V	0.09	0	2.73	123
180970073	2013	10	30	8	V	0.4	0	2.23	126
180970073	2013	10	30	9	V	0.2	0	3.2	138
180970073	2013	10	30	10	V	0.5	0	2.32	127

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	10	30	11	V	0.3	0	2.86	108
180970073	2013	10	30	12	V	0.4	0	2.66	124
180970073	2013	10	30	13	V	0.3	0	3.1	125
180970073	2013	10	30	14	V	0.2	0	3.05	132
180970073	2013	10	30	15	V	0.09	0	3.2	138
180970073	2013	10	30	16	V	0.05	0	4	129
180970073	2013	10	30	17	V	0.05	0	3.74	141
180970073	2013	10	30	18	V	0.05	0	3.49	150
180970073	2013	10	30	19	V	0.05	0	4.19	138
180970073	2013	10	30	20	V	0.05	0	4.53	141
180970073	2013	10	30	21	V	0.05	0	4.68	146
180970073	2013	10	30	22	V	0.05	0	4.27	162
180970073	2013	10	30	23	V	0.04	0	5.96	189
180970073	2013	10	30	24	V	0.04	0	3.86	187
180970073	2013	10	31	1	V	0.03	0	3.86	190
180970073	2013	10	31	2	V	0.03	0	4.86	190
180970073	2013	10	31	3	V	0.03	0	4.86	176
180970073	2013	10	31	4	V	0.03	0	6.96	177
180970073	2013	10	31	5	V	0.03	0.4	6.96	190
180970073	2013	10	31	6	V	0.03	0.7	9.18	195
180970073	2013	10	31	7	V	0.01	0	7.6	184
180970073	2013	10	31	8	V	0.01	0	8.16	185
180970073	2013	10	31	9	V	0.01	0	8.03	191
180970073	2013	10	31	10	V	0.01	0	7.96	188
180970073	2013	10	31	11	V	0.01	0	8.01	193
180970073	2013	10	31	12	V	0.01	0	7.01	178
180970073	2013	10	31	13	V	0.02	0	6.11	163
180970073	2013	10	31	14	V	0.01	0	6.91	161
180970073	2013	10	31	15	V	0.01	0	8.88	185
180970073	2013	10	31	16	V	0.04	0	6.99	191
180970073	2013	10	31	17	V	0.03	0	7.64	189
180970073	2013	10	31	18	V	0.03	0	9.73	188
180970073	2013	10	31	19	V	2.4	0	9.13	222
180970073	2013	10	31	20	V	0.03	0.1	6.94	200
180970073	2013	10	31	21	V	4.5	0	11.91	244
180970073	2013	10	31	22	V	5.1	0	7.11	250
180970073	2013	10	31	23	V	0.06	0	8.66	270
180970073	2013	10	31	24	V	0.03	0	6.41	275
180970073	2013	11	1	1	V	0.9	0	6.96	262
180970073	2013	11	1	2	V	0.3	0	8.95	266
180970073	2013	11	1	3	V	5.1	0	8.37	253
180970073	2013	11	1	4	V	3.7	0	7.84	246
180970073	2013	11	1	5	V	16.6	0	5.36	231
180970073	2013	11	1	6	V	7.1	7.6	6.8	226
180970073	2013	11	1	7	V	1.5	15.5	6.16	223
180970073	2013	11	1	8	V	9.0	2.2	5.46	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	1	9	V	6.0	13.7	5.33	225
180970073	2013	11	1	10	V	12.0	20.8	6.11	230
180970073	2013	11	1	11	V	11.7	9.9	6.79	233
180970073	2013	11	1	12	V	10.0	21.1	7.21	233
180970073	2013	11	1	13	V	5.6	4.7	7.89	237
180970073	2013	11	1	14	V	1.0	0.2	8.16	245
180970073	2013	11	1	15	V	1.7	0.4	7.64	254
180970073	2013	11	1	16	V	3.4	0.2	7.35	257
180970073	2013	11	1	17	V	0.03	0	6.02	276
180970073	2013	11	1	18	V	0.04	0	5.22	277
180970073	2013	11	1	19	V	0.03	0	7.26	282
180970073	2013	11	1	20	V	0.04	0	5.36	275
180970073	2013	11	1	21	V	0.04	0	5.55	278
180970073	2013	11	1	22	V	0.04	0	5.34	278
180970073	2013	11	1	23	V	0.1	0	5.43	268
180970073	2013	11	1	24	V	0.03	0	5.96	288
180970073	2013	11	2	1	V	0.03	0	4.53	282
180970073	2013	11	2	2	V	0.03	0	4.54	289
180970073	2013	11	2	3	V	0.04	0	3.15	267
180970073	2013	11	2	4	V	3.0	0	3.9	258
180970073	2013	11	2	5	V	3.6	0	3.27	257
180970073	2013	11	2	6	V	0.7	0	3.34	261
180970073	2013	11	2	7	V	0.8	0	3.13	264
180970073	2013	11	2	8	V	10.7	0	2.56	249
180970073	2013	11	2	9	V	3.0	0	3.2	262
180970073	2013	11	2	10	V	0.2	0	4.1	291
180970073	2013	11	2	11	V	0.03	0	6.09	303
180970073	2013	11	2	12	V	0.02	0	7.18	302
180970073	2013	11	2	13	V	0.01	0	7.94	307
180970073	2013	11	2	14	V	0.01	0	7.38	301
180970073	2013	11	2	15	V	0.01	0	7.84	302
180970073	2013	11	2	16	V	0.04	0	7.42	307
180970073	2013	11	2	17	V	0.04	0	6.24	308
180970073	2013	11	2	18	V	0.04	0	5.63	301
180970073	2013	11	2	19	V	0.04	0	5.77	306
180970073	2013	11	2	20	V	0.04	0	5.41	310
180970073	2013	11	2	21	V	0.04	0	4.9	309
180970073	2013	11	2	22	V	0.04	0	4.37	321
180970073	2013	11	2	23	V	0.04	-999	3.18	315
180970073	2013	11	2	24	V	0.05	0	2.95	299
180970073	2013	11	3	1	V	0.03	0	2.97	296
180970073	2013	11	3	2	V	0.05	0	2.44	281
180970073	2013	11	3	3	V	0.05	0	2.25	282
180970073	2013	11	3	4	V	0.06	0	2.15	280
180970073	2013	11	3	5	V	0.1	0	1.62	276
180970073	2013	11	3	6	V	0.05	0	2.35	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	3	7	V	0.7	0	1.96	271
180970073	2013	11	3	8	V	10.5	0	2.21	249
180970073	2013	11	3	9	V	3.1	0	1.01	278
180970073	2013	11	3	10	V	3.1	0	0.82	22
180970073	2013	11	3	11	V	1.2	0	1.33	74
180970073	2013	11	3	12	V	1.6	0	1.11	74
180970073	2013	11	3	13	V	0.5	0	1.71	90
180970073	2013	11	3	14	V	0.1	0	3.05	129
180970073	2013	11	3	15	V	0.03	0	3.68	142
180970073	2013	11	3	16	V	0.03	0	3.71	144
180970073	2013	11	3	17	V	0.03	0	3.17	132
180970073	2013	11	3	18	V	0.04	0	2.9	121
180970073	2013	11	3	19	V	0.04	0	3.2	101
180970073	2013	11	3	20	V	0.05	0	2.74	105
180970073	2013	11	3	21	V	0.04	0	3	105
180970073	2013	11	3	22	V	0.04	0	3.56	122
180970073	2013	11	3	23	V	0.04	0	3.39	118
180970073	2013	11	3	24	V	0.04	0	3.48	123
180970073	2013	11	4	1	V	0.03	0	3.83	118
180970073	2013	11	4	2	V	0.03	0	4.05	121
180970073	2013	11	4	3	V	0.03	0	3.42	127
180970073	2013	11	4	4	V	0.03	0	3.15	114
180970073	2013	11	4	5	V	0.04	0	3.95	111
180970073	2013	11	4	6	V	0.04	0	3.95	115
180970073	2013	11	4	7	V	0.04	2.3	4.8	114
180970073	2013	11	4	8	V	0.04	4.3	5.55	122
180970073	2013	11	4	9	V	0.02	6.2	6.43	131
180970073	2013	11	4	10	V	0.01	5.5	7.72	138
180970073	2013	11	4	11	V	0.02	1.3	7.04	146
180970073	2013	11	4	12	V	0.04	0.4	5.46	151
180970073	2013	11	4	13	V	0.1	0.5	4.03	149
180970073	2013	11	4	14	V	0.09	0	3.92	160
180970073	2013	11	4	15	V	0.07	0	4.46	153
180970073	2013	11	4	16	V	0.04	0	4.78	154
180970073	2013	11	4	17	V	0.04	0.1	4.34	143
180970073	2013	11	4	18	V	0.04	0.8	4.42	139
180970073	2013	11	4	19	V	0.04	1.2	4.82	143
180970073	2013	11	4	20	V	0.04	1.7	5.46	149
180970073	2013	11	4	21	V	0.04	1.4	4.43	152
180970073	2013	11	4	22	V	0.04	0.6	4.15	163
180970073	2013	11	4	23	V	0.04	0	3.61	160
180970073	2013	11	4	24	V	0.04	0	4.05	157
180970073	2013	11	5	1	V	0.04	0	4.73	157
180970073	2013	11	5	2	V	0.04	0	4.03	161
180970073	2013	11	5	3	V	0.04	0	3.81	161
180970073	2013	11	5	4	V	0.04	0	3.9	163

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	5	5	V	0.05	0	4.29	187
180970073	2013	11	5	6	V	0.04	0	3.37	185
180970073	2013	11	5	7	V	0.06	0	2.96	149
180970073	2013	11	5	8	V	0.1	0	3.46	131
180970073	2013	11	5	9	V	0.2	0	4	135
180970073	2013	11	5	10	V	0.09	0	3.9	139
180970073	2013	11	5	11	V	0.08	0	3.83	170
180970073	2013	11	5	12	V	0.06	0	4.29	179
180970073	2013	11	5	13	V	0.1	0	4.17	189
180970073	2013	11	5	14	V	0.07	0.1	3.63	159
180970073	2013	11	5	15	V	0.05	0	3.52	154
180970073	2013	11	5	16	V	0.02	0	4.58	134
180970073	2013	11	5	17	V	0.02	0	4.83	136
180970073	2013	11	5	18	V	0.02	0	4.31	116
180970073	2013	11	5	19	V	0.03	0	3.73	130
180970073	2013	11	5	20	V	0.03	0	4.06	137
180970073	2013	11	5	21	V	0.02	0	4.51	141
180970073	2013	11	5	22	V	0.03	0	5.28	142
180970073	2013	11	5	23	V	0.03	0	5.89	142
180970073	2013	11	5	24	V	0.03	0	4.68	142
180970073	2013	11	6	1	V	0.03	0	4.41	147
180970073	2013	11	6	2	V	0.04	0	4.73	170
180970073	2013	11	6	3	V	0.03	0	5.56	175
180970073	2013	11	6	4	V	0.03	0	7.42	189
180970073	2013	11	6	5	V	0.03	0	6.79	182
180970073	2013	11	6	6	V	0.03	0.2	6.8	178
180970073	2013	11	6	7	V	0.04	0	6.14	178
180970073	2013	11	6	8	V	0.03	0	6.04	182
180970073	2013	11	6	9	V	0.02	0	6.43	179
180970073	2013	11	6	10	V	0.02	0	5.63	185
180970073	2013	11	6	11	V	0.02	0	6.24	181
180970073	2013	11	6	12	V	0.02	0	6.18	182
180970073	2013	11	6	13	V	0.01	0	7.86	196
180970073	2013	11	6	14	V	0.01	0	9.3	205
180970073	2013	11	6	15	V	12.9	0	9.64	227
180970073	2013	11	6	16	V	12.3	15.1	8.39	227
180970073	2013	11	6	17	V	22.5	14.8	7.71	232
180970073	2013	11	6	18	V	5.4	8	6.77	249
180970073	2013	11	6	19	V	0.04	1.4	7.82	295
180970073	2013	11	6	20	V	0.04	0	7.25	300
180970073	2013	11	6	21	V	0.04	0	6.6	299
180970073	2013	11	6	22	V	0.03	0	7.01	309
180970073	2013	11	6	23	V	0.04	0	6.24	310
180970073	2013	11	6	24	V	0.03	0	5.31	317
180970073	2013	11	7	1	V	0.03	0	4.56	309
180970073	2013	11	7	2	V	0.03	0	4.83	303

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	7	3	V	0.02	0	4.58	303
180970073	2013	11	7	4	V	0.02	0	3.76	303
180970073	2013	11	7	5	V	0.02	0	4.63	308
180970073	2013	11	7	6	V	0.02	0	4.83	315
180970073	2013	11	7	7	V	0.05	0	4.1	321
180970073	2013	11	7	8	V	0.1	0	3.86	316
180970073	2013	11	7	9	V	0.4	0	2.79	294
180970073	2013	11	7	10	V	0.2	0	3.85	305
180970073	2013	11	7	11	V	0.2	0	3.54	281
180970073	2013	11	7	12	V	0.1	0	3.88	296
180970073	2013	11	7	13	V	0.04	0	4.73	281
180970073	2013	11	7	14	V	0.02	0	6.23	270
180970073	2013	11	7	15	V	0.4	0	6.96	260
180970073	2013	11	7	16	V	3.9	0	7.08	256
180970073	2013	11	7	17	V	3.3	0	6.92	257
180970073	2013	11	7	18	V	0.2	0	5.84	266
180970073	2013	11	7	19	V	7.7	0	3.91	251
180970073	2013	11	7	20	V	0.06	0	3.49	221
180970073	2013	11	7	21	V	4.4	14.2	6.02	247
180970073	2013	11	7	22	V	0.02	0	9	289
180970073	2013	11	7	23	V	0.02	0	6.74	295
180970073	2013	11	7	24	V	0.02	0	5.02	295
180970073	2013	11	8	1	V	0.02	0	2.81	276
180970073	2013	11	8	2	V	2.7	0	2.64	239
180970073	2013	11	8	3	V	11.3	0	2.25	234
180970073	2013	11	8	4	V	1.1	0	3.17	226
180970073	2013	11	8	5	V	8.1	0	3.51	249
180970073	2013	11	8	6	V	0.7	0	3.32	260
180970073	2013	11	8	7	V	5.8	0	2.67	255
180970073	2013	11	8	8	V	4.3	0	2.71	258
180970073	2013	11	8	9	V	2.4	0	2.03	266
180970073	2013	11	8	10	V	0.2	0	2.01	296
180970073	2013	11	8	11	V	0.8	0	1.53	276
180970073	2013	11	8	12	V	2.2	0	1.2	250
180970073	2013	11	8	13	V	1.6	0	2.23	239
180970073	2013	11	8	14	V	0.08	1.1	2.81	228
180970073	2013	11	8	15	V	0.01	0.7	2.11	205
180970073	2013	11	8	16	V	0.01	0	2.39	210
180970073	2013	11	8	17	V	0.01	0	3.13	197
180970073	2013	11	8	18	V	0.01	0	3.32	191
180970073	2013	11	8	19	V	0.01	0	3	177
180970073	2013	11	8	20	V	0.01	0	3.4	166
180970073	2013	11	8	21	V	0.02	0	3	173
180970073	2013	11	8	22	V	0.02	0	4.22	168
180970073	2013	11	8	23	V	0.02	0	3.73	172
180970073	2013	11	8	24	V	0.02	0	4.87	166

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	9	1	V	0.02	0	4.61	171
180970073	2013	11	9	2	V	0.02	0	5.24	180
180970073	2013	11	9	3	V	0.02	0	6.79	179
180970073	2013	11	9	4	V	0.02	0	6.14	186
180970073	2013	11	9	5	V	0.02	0	6.35	190
180970073	2013	11	9	6	V	0.03	0	6.87	197
180970073	2013	11	9	7	V	0.01	0	6.84	200
180970073	2013	11	9	8	V	0.03	0	5.97	203
180970073	2013	11	9	9	V	0.04	2	5.31	199
180970073	2013	11	9	10	V	0.7	2.6	7.38	222
180970073	2013	11	9	11	V	5.8	9.8	9.88	233
180970073	2013	11	9	12	V	2.5	0.5	10.44	239
180970073	2013	11	9	13	V	4.9	2.5	10.07	235
180970073	2013	11	9	14	V	3.1	6.6	9.47	228
180970073	2013	11	9	15	V	12.6	8.1	10	228
180970073	2013	11	9	16	V	7.8	9.1	9.41	226
180970073	2013	11	9	17	V	17.8	6.6	8.59	233
180970073	2013	11	9	18	V	10.8	0.2	6.98	238
180970073	2013	11	9	19	V	9.0	0.7	5.43	239
180970073	2013	11	9	20	V	13.4	0.4	4.51	238
180970073	2013	11	9	21	V	3.1	2.3	4.66	245
180970073	2013	11	9	22	V	6.9	4.8	4.61	249
180970073	2013	11	9	23	V	4.7	-999	4.05	256
180970073	2013	11	9	24	V	0.4	0	3.81	262
180970073	2013	11	10	1	V	0.06	0	4.19	267
180970073	2013	11	10	2	V	0.02	0	4.93	274
180970073	2013	11	10	3	V	0.02	0	6.55	293
180970073	2013	11	10	4	V	0.02	0	7.3	298
180970073	2013	11	10	5	V	0.02	0	6.45	293
180970073	2013	11	10	6	V	0.02	0	5.67	294
180970073	2013	11	10	7	V	0.05	0	5.27	291
180970073	2013	11	10	8	V	0.08	0	4.39	285
180970073	2013	11	10	9	V	0.03	0	5.73	281
180970073	2013	11	10	10	V	0.02	0	6.81	299
180970073	2013	11	10	11	V	0.02	0	6.75	305
180970073	2013	11	10	12	V	0.04	0	5.65	305
180970073	2013	11	10	13	V	0.03	0	5.12	300
180970073	2013	11	10	14	V	0.03	0	4.6	299
180970073	2013	11	10	15	V	0.01	0	4.61	299
180970073	2013	11	10	16	V	0.02	0	4.02	302
180970073	2013	11	10	17	V	0.02	0	3.88	309
180970073	2013	11	10	18	V	0.04	0	2.61	305
180970073	2013	11	10	19	V	0.1	0	1.79	311
180970073	2013	11	10	20	V	0.4	0	1.5	266
180970073	2013	11	10	21	V	25.3	0	1.08	227
180970073	2013	11	10	22	V	0.05	0	2.66	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	10	23	V	20.4	0	2.55	236
180970073	2013	11	10	24	V	0.3	0	1.77	219
180970073	2013	11	11	1	V	0.08	0	1.91	209
180970073	2013	11	11	2	V	4.7	0	1.89	241
180970073	2013	11	11	3	V	0.06	0	2.28	216
180970073	2013	11	11	4	V	0.04	0	2.44	179
180970073	2013	11	11	5	V	0.08	0	1.93	203
180970073	2013	11	11	6	V	0.04	0	2.52	194
180970073	2013	11	11	7	V	0.04	0	3.05	188
180970073	2013	11	11	8	V	0.1	0	3.73	191
180970073	2013	11	11	9	V	0.05	1.7	4.87	198
180970073	2013	11	11	10	V	0.02	2.2	6.7	204
180970073	2013	11	11	11	V	0.02	4.2	6.74	206
180970073	2013	11	11	12	V	2.0	6.1	6.13	223
180970073	2013	11	11	13	V	8.3	15.3	5.85	228
180970073	2013	11	11	14	V	4.0	6.6	5.97	226
180970073	2013	11	11	15	V	5.0	15.1	6.01	245
180970073	2013	11	11	16	V	6.3	5.8	6.35	241
180970073	2013	11	11	17	V	4.5	3.3	5.27	256
180970073	2013	11	11	18	V	0.03	1.3	4.58	281
180970073	2013	11	11	19	V	0.03	0	6.69	324
180970073	2013	11	11	20	V	0.03	0	7.72	353
180970073	2013	11	11	21	V	0.03	0	7.69	357
180970073	2013	11	11	22	V	0.03	0	7.84	1
180970073	2013	11	11	23	V	0.04	0	6.5	358
180970073	2013	11	11	24	V	0.03	0	8.18	11
180970073	2013	11	12	1	V	0.03	0	5.72	5
180970073	2013	11	12	2	V	0.03	0	5.7	11
180970073	2013	11	12	3	V	0.03	0	5.16	359
180970073	2013	11	12	4	V	0.03	0	5.36	6
180970073	2013	11	12	5	V	0.03	0	4.22	353
180970073	2013	11	12	6	V	0.02	0	4.53	353
180970073	2013	11	12	7	V	0.06	0	3.91	350
180970073	2013	11	12	8	V	0.08	0	4.44	351
180970073	2013	11	12	9	V	0.1	0	4.39	339
180970073	2013	11	12	10	V	0.03	0	5.72	339
180970073	2013	11	12	11	V	0.03	0	5.96	346
180970073	2013	11	12	12	V	0.03	0	5.67	358
180970073	2013	11	12	13	V	0.03	0	5.84	338
180970073	2013	11	12	14	V	0.01	0	6.53	337
180970073	2013	11	12	15	V	0.01	0	6.92	325
180970073	2013	11	12	16	V	0.04	0	6.35	327
180970073	2013	11	12	17	V	0.04	0	6.06	324
180970073	2013	11	12	18	V	0.03	0	5.19	327
180970073	2013	11	12	19	V	0.04	0	2.74	319
180970073	2013	11	12	20	V	0.04	0	3.47	308

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	12	21	V	0.03	0	5.26	305
180970073	2013	11	12	22	V	0.03	0	3.91	304
180970073	2013	11	12	23	V	0.05	0	3.03	300
180970073	2013	11	12	24	V	0.04	0	2.84	279
180970073	2013	11	13	1	V	0.08	0	2.69	265
180970073	2013	11	13	2	V	0.04	0	2.83	271
180970073	2013	11	13	3	V	0.04	0	2.59	282
180970073	2013	11	13	4	V	0.4	0	2.64	262
180970073	2013	11	13	5	V	2.6	0	2.15	244
180970073	2013	11	13	6	V	3.1	0	3.32	246
180970073	2013	11	13	7	V	4.7	0	3.2	242
180970073	2013	11	13	8	V	32.1	0	2.61	233
180970073	2013	11	13	9	V	23.2	0	3.1	226
180970073	2013	11	13	10	V	28.1	2.2	3.86	237
180970073	2013	11	13	11	V	5.2	4.7	4.41	246
180970073	2013	11	13	12	V	15.7	5.4	4.86	230
180970073	2013	11	13	13	V	13.3	13.9	5.36	233
180970073	2013	11	13	14	V	13.7	22.8	5.36	231
180970073	2013	11	13	15	V	16.3	14.6	6.96	235
180970073	2013	11	13	16	V	0.03	8.7	5.36	214
180970073	2013	11	13	17	V	0.3	1.6	6.46	220
180970073	2013	11	13	18	V	0.03	0.1	4.36	197
180970073	2013	11	13	19	V	0.03	0	3.36	203
180970073	2013	11	13	20	V	0.03	1.9	3.36	197
180970073	2013	11	13	21	V	0.03	6	3.49	197
180970073	2013	11	13	22	V	0.03	4.5	3.98	198
180970073	2013	11	13	23	V	0.03	3.2	4.09	196
180970073	2013	11	13	24	V	0.03	1.6	5.67	197
180970073	2013	11	14	1	V	0.03	1.8	5.38	198
180970073	2013	11	14	2	V	0.03	3.3	4.78	203
180970073	2013	11	14	3	V	0.03	6	4.54	208
180970073	2013	11	14	4	V	0.02	5.9	4.44	204
180970073	2013	11	14	5	V	0.02	3.7	4.99	207
180970073	2013	11	14	6	V	0.02	2.7	4.2	204
180970073	2013	11	14	7	V	0.05	3.3	3.56	206
180970073	2013	11	14	8	V	0.1	3.4	4.17	199
180970073	2013	11	14	9	V	0.09	4.8	4.58	201
180970073	2013	11	14	10	V	0.3	4.2	6.79	218
180970073	2013	11	14	11	V	0.4	3.9	7.2	219
180970073	2013	11	14	12	V	1.0	3.6	7.88	222
180970073	2013	11	14	13	V	0.2	2.5	7.89	218
180970073	2013	11	14	14	V	0.1	2.3	8.42	220
180970073	2013	11	14	15	V	0.06	2.9	7.62	212
180970073	2013	11	14	16	V	0.03	4.7	7.45	204
180970073	2013	11	14	17	V	0.03	1.7	6.45	209
180970073	2013	11	14	18	V	0.04	0.2	4.9	192

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	14	19	V	0.04	0.3	5.68	190
180970073	2013	11	14	20	V	0.04	2.4	5.78	189
180970073	2013	11	14	21	V	0.04	2	6.02	193
180970073	2013	11	14	22	V	0.04	1.7	5.46	193
180970073	2013	11	14	23	V	0.04	1.8	5.72	183
180970073	2013	11	14	24	V	0.04	1.5	5.1	187
180970073	2013	11	15	1	V	0.04	1.2	4.63	193
180970073	2013	11	15	2	V	0.03	1.2	4.46	205
180970073	2013	11	15	3	V	0.03	1.1	4.97	212
180970073	2013	11	15	4	V	0.03	1.4	5.31	202
180970073	2013	11	15	5	V	0.03	1.3	5.21	211
180970073	2013	11	15	6	V	0.04	1.4	4.43	210
180970073	2013	11	15	7	V	0.06	1.9	4.87	202
180970073	2013	11	15	8	V	0.07	2.4	4.65	197
180970073	2013	11	15	9	V	0.07	3.2	4.54	188
180970073	2013	11	15	10	V	0.1	1.9	4.08	198
180970073	2013	11	15	11	V	0.08	1.4	4.43	198
180970073	2013	11	15	12	V	0.08	2.7	4.83	201
180970073	2013	11	15	13	V	0.05	3.2	5.21	193
180970073	2013	11	15	14	V	0.04	3.9	5.43	188
180970073	2013	11	15	15	V	0.06	3.5	5.12	198
180970073	2013	11	15	16	V	0.04	3.2	5.43	204
180970073	2013	11	15	17	V	0.04	2.8	4.19	202
180970073	2013	11	15	18	V	0.04	1.8	4.32	186
180970073	2013	11	15	19	V	0.04	0.6	4.15	160
180970073	2013	11	15	20	V	0.04	0.9	4.32	161
180970073	2013	11	15	21	V	0.04	1.1	5.28	168
180970073	2013	11	15	22	V	0.03	0.6	3.83	163
180970073	2013	11	15	23	V	0.03	0.1	3.05	141
180970073	2013	11	15	24	V	0.02	0	3.9	137
180970073	2013	11	16	1	V	0.02	0.8	3.93	139
180970073	2013	11	16	2	V	0.02	0	4.51	148
180970073	2013	11	16	3	V	0.02	0	3.9	140
180970073	2013	11	16	4	V	0.02	0	4.1	145
180970073	2013	11	16	5	V	0.02	0	4.73	151
180970073	2013	11	16	6	V	0.02	0	3.68	143
180970073	2013	11	16	7	V	0.03	0	3.78	141
180970073	2013	11	16	8	V	0.04	0	4.03	143
180970073	2013	11	16	9	V	0.03	0	4.51	155
180970073	2013	11	16	10	V	0.02	0	5.21	158
180970073	2013	11	16	11	V	0.02	0	5.68	157
180970073	2013	11	16	12	V	0.01	0	6.43	158
180970073	2013	11	16	13	V	0.01	0	6.89	159
180970073	2013	11	16	14	V	0.01	0	7.74	160
180970073	2013	11	16	15	V	0.01	0	7.52	153
180970073	2013	11	16	16	V	0.02	0	6.93	151

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	16	17	V	0.03	0	4.86	148
180970073	2013	11	16	18	V	0.03	0	5.56	153
180970073	2013	11	16	19	V	0.03	0	7.31	166
180970073	2013	11	16	20	V	0.03	0	6.26	163
180970073	2013	11	16	21	V	0.03	0	5.09	157
180970073	2013	11	16	22	V	0.02	0	6.55	167
180970073	2013	11	16	23	V	0.02	-999	10.94	173
180970073	2013	11	16	24	V	0.02	0	10.75	176
180970073	2013	11	17	1	V	0.02	0	7.03	191
180970073	2013	11	17	2	V	0.02	0	4.46	145
180970073	2013	11	17	3	V	0.02	0	3.18	103
180970073	2013	11	17	4	V	0.02	0	4.99	160
180970073	2013	11	17	5	V	0.02	0	5.72	148
180970073	2013	11	17	6	V	0.02	0	5.53	146
180970073	2013	11	17	7	V	0.03	0	4.07	145
180970073	2013	11	17	8	V	0.02	0	5.48	158
180970073	2013	11	17	9	V	0.01	0	7.62	174
180970073	2013	11	17	10	V	0.004	0	9.15	172
180970073	2013	11	17	11	V	0.004	0	9.61	175
180970073	2013	11	17	12	V	0.01	0	9.95	176
180970073	2013	11	17	13	V	0.01	0	9.81	173
180970073	2013	11	17	14	V	0.005	0	10.83	177
180970073	2013	11	17	15	V	0.03	0	10.77	183
180970073	2013	11	17	16	V	0.03	0	12.92	201
180970073	2013	11	17	17	V	8.6	1.2	13.84	240
180970073	2013	11	17	18	V	0.03	0	14.57	274
180970073	2013	11	17	19	V	0.03	0	12.16	275
180970073	2013	11	17	20	V	0.1	0	12.11	268
180970073	2013	11	17	21	V	0.06	0	9.92	270
180970073	2013	11	17	22	V	0.03	0	7.83	274
180970073	2013	11	17	23	V	0.05	0	6.6	269
180970073	2013	11	17	24	V	0.03	0	8.08	273
180970073	2013	11	18	1	V	0.02	0	8.04	275
180970073	2013	11	18	2	V	0.02	0	6.96	285
180970073	2013	11	18	3	V	0.03	0	5.85	272
180970073	2013	11	18	4	V	5.2	0	5.16	255
180970073	2013	11	18	5	V	2.2	0	4.99	243
180970073	2013	11	18	6	V	2.1	0.9	4.88	243
180970073	2013	11	18	7	V	1.9	0.5	5.63	260
180970073	2013	11	18	8	V	0.02	0	6.82	271
180970073	2013	11	18	9	V	0.01	0	7.3	272
180970073	2013	11	18	10	V	0.01	0	9.69	280
180970073	2013	11	18	11	V	0.01	0	9.7	282
180970073	2013	11	18	12	V	0.005	0	10.1	282
180970073	2013	11	18	13	V	0.004	0	10.94	276
180970073	2013	11	18	14	V	0.004	0	10.6	277

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	18	15	V	0.02	0	10.83	279
180970073	2013	11	18	16	V	0.02	0	10.03	286
180970073	2013	11	18	17	V	0.02	0	9.97	289
180970073	2013	11	18	18	V	0.02	0	7.15	294
180970073	2013	11	18	19	V	0.02	0	6.97	298
180970073	2013	11	18	20	V	0.02	0	5.53	311
180970073	2013	11	18	21	V	0.02	0	4.15	310
180970073	2013	11	18	22	V	0.02	0	4.36	308
180970073	2013	11	18	23	V	0.02	0	3.8	307
180970073	2013	11	18	24	V	0.03	0	3.1	310
180970073	2013	11	19	1	V	0.02	0	3.52	313
180970073	2013	11	19	2	V	0.02	0	3.15	286
180970073	2013	11	19	3	V	0.04	0	2.5	299
180970073	2013	11	19	4	V	0.05	0	2.28	312
180970073	2013	11	19	5	V	0.02	0	3.32	316
180970073	2013	11	19	6	V	0.02	0	3.81	315
180970073	2013	11	19	7	V	0.03	0	3.76	339
180970073	2013	11	19	8	V	0.1	0	3.32	353
180970073	2013	11	19	9	V	0.2	0	3.22	3
180970073	2013	11	19	10	V	0.06	0	4.14	34
180970073	2013	11	19	11	V	0.05	0	4.61	43
180970073	2013	11	19	12	V	0.1	0	3.27	55
180970073	2013	11	19	13	V	0.08	0	3.39	59
180970073	2013	11	19	14	V	0.09	0	2.93	72
180970073	2013	11	19	15	V	0.05	0	3.13	102
180970073	2013	11	19	16	V	0.03	0	3.42	93
180970073	2013	11	19	17	V	0.03	0	3.8	105
180970073	2013	11	19	18	V	0.03	0	3.61	103
180970073	2013	11	19	19	V	0.04	0	2.49	96
180970073	2013	11	19	20	V	0.06	0	2.25	104
180970073	2013	11	19	21	V	0.03	0	3.22	92
180970073	2013	11	19	22	V	0.04	0	3.56	83
180970073	2013	11	19	23	V	0.03	0	3.56	89
180970073	2013	11	19	24	V	0.03	0	3.15	90
180970073	2013	11	20	1	V	0.04	0	2.91	87
180970073	2013	11	20	2	V	0.03	0	2.93	83
180970073	2013	11	20	3	V	0.03	0	3.83	81
180970073	2013	11	20	4	V	0.03	0	3.97	82
180970073	2013	11	20	5	V	0.03	0	3.39	81
180970073	2013	11	20	6	V	0.03	0	4	86
180970073	2013	11	20	7	V	0.05	0	4.14	86
180970073	2013	11	20	8	V	0.04	0	5.22	90
180970073	2013	11	20	9	V	0.04	0.8	5.84	99
180970073	2013	11	20	10	V	0.03	0.5	6.26	114
180970073	2013	11	20	11	V	0.02	1	6.3	118
180970073	2013	11	20	12	V	0.02	2.4	6.07	135

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	20	13	V	0.03	3.6	5.53	123
180970073	2013	11	20	14	V	0.06	4	4.56	124
180970073	2013	11	20	15	V	0.06	2.3	4.75	128
180970073	2013	11	20	16	V	0.04	0.5	4.53	131
180970073	2013	11	20	17	V	0.04	0.1	4.17	139
180970073	2013	11	20	18	V	0.04	0	3.01	127
180970073	2013	11	20	19	V	0.05	0	3.34	136
180970073	2013	11	20	20	V	0.05	0	3.56	134
180970073	2013	11	20	21	V	0.04	0	4.19	133
180970073	2013	11	20	22	V	0.05	0	4.8	143
180970073	2013	11	20	23	V	0.05	0	4.58	143
180970073	2013	11	20	24	V	0.04	0	5.16	140
180970073	2013	11	21	1	V	0.04	0	4.58	141
180970073	2013	11	21	2	V	0.04	0	4.66	142
180970073	2013	11	21	3	V	0.03	0	4.24	146
180970073	2013	11	21	4	V	0.04	0	3.83	151
180970073	2013	11	21	5	V	0.04	0	4.65	139
180970073	2013	11	21	6	V	0.04	0	4.63	140
180970073	2013	11	21	7	V	0.05	0	4.95	140
180970073	2013	11	21	8	V	0.04	0	4.75	137
180970073	2013	11	21	9	V	0.05	0	5	141
180970073	2013	11	21	10	V	0.06	0	4.71	148
180970073	2013	11	21	11	V	0.06	0	4.71	143
180970073	2013	11	21	12	V	0.2	0	3	141
180970073	2013	11	21	13	V	0.4	0	2.3	134
180970073	2013	11	21	14	V	0.3	0	2.35	152
180970073	2013	11	21	15	V	0.2	0	1.33	197
180970073	2013	11	21	16	V	0.6	0	1.04	127
180970073	2013	11	21	17	V	0.7	0	0.97	345
180970073	2013	11	21	18	V	8.8	0	0.52	251
180970073	2013	11	21	19	V	1.2	0	0.79	126
180970073	2013	11	21	20	V	0.06	0	2.23	118
180970073	2013	11	21	21	V	0.05	0	2.62	125
180970073	2013	11	21	22	V	0.04	0	3.56	162
180970073	2013	11	21	23	V	0.03	0	2.83	190
180970073	2013	11	21	24	V	0.04	-999	2.83	182
180970073	2013	11	22	1	V	0.04	-999	3.17	181
180970073	2013	11	22	2	V	0.04	-999	2.78	205
180970073	2013	11	22	3	V	13.9	-999	3.13	237
180970073	2013	11	22	4	V	0.04	-999	2.44	277
180970073	2013	11	22	5	V	0.1	-999	1.76	311
180970073	2013	11	22	6	V	0.05	-999	2.36	320
180970073	2013	11	22	7	V	0.04	-999	3.36	312
180970073	2013	11	22	8	V	0.09	-999	3.86	314
180970073	2013	11	22	9	V	0.1	-999	3.86	314
180970073	2013	11	22	10	V	0.03	-999	6.46	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	22	11	V	0.01	-999	6.96	328
180970073	2013	11	22	12	V	0.03	-999	5.36	331
180970073	2013	11	22	13	V	0.01	-999	7.46	332
180970073	2013	11	22	14	V	0.01	-999	7.78	338
180970073	2013	11	22	15	V	0.04	-999	7.83	340
180970073	2013	11	22	16	V	0.04	-999	6.82	345
180970073	2013	11	22	17	V	0.04	-999	7.11	340
180970073	2013	11	22	18	V	0.04	-999	7.42	336
180970073	2013	11	22	19	V	0.04	-999	8.61	337
180970073	2013	11	22	20	V	0.03	-999	7.83	342
180970073	2013	11	22	21	V	0.04	-999	6.82	342
180970073	2013	11	22	22	V	0.04	-999	5.14	338
180970073	2013	11	22	23	V	0.04	-999	4.56	343
180970073	2013	11	22	24	V	0.04	-999	4.63	336
180970073	2013	11	23	1	V	0.03	-999	3.86	333
180970073	2013	11	23	2	V	0.03	-999	3.83	329
180970073	2013	11	23	3	V	0.04	-999	3.1	325
180970073	2013	11	23	4	V	0.04	-999	2.67	305
180970073	2013	11	23	5	V	0.03	-999	2.98	303
180970073	2013	11	23	6	V	0.03	-999	3.8	310
180970073	2013	11	23	7	V	0.05	-999	2.98	287
180970073	2013	11	23	8	V	0.2	-999	3.57	277
180970073	2013	11	23	9	V	0.4	-999	3.85	270
180970073	2013	11	23	10	V	0.05	-999	5.85	295
180970073	2013	11	23	11	V	0.02	-999	7.98	306
180970073	2013	11	23	12	V	0.01	-999	8.62	316
180970073	2013	11	23	13	V	0.01	-999	8.64	312
180970073	2013	11	23	14	V	0.01	-999	9.15	315
180970073	2013	11	23	15	V	0.04	-999	9.83	325
180970073	2013	11	23	16	V	0.03	-999	8.85	326
180970073	2013	11	23	17	V	0.03	-999	8.28	326
180970073	2013	11	23	18	V	0.03	-999	8.13	323
180970073	2013	11	23	19	V	0.03	-999	7.94	326
180970073	2013	11	23	20	V	0.03	-999	7.43	330
180970073	2013	11	23	21	V	0.03	-999	7.31	328
180970073	2013	11	23	22	V	0.03	-999	6.67	331
180970073	2013	11	23	23	V	0.03	-999	5.22	326
180970073	2013	11	23	24	V	0.03	-999	5.79	318
180970073	2013	11	24	1	V	0.04	-999	6.43	316
180970073	2013	11	24	2	V	0.03	-999	5.55	314
180970073	2013	11	24	3	V	0.03	-999	5.31	311
180970073	2013	11	24	4	V	0.03	-999	5.04	312
180970073	2013	11	24	5	V	0.03	-999	4.51	326
180970073	2013	11	24	6	V	0.03	-999	4.66	330
180970073	2013	11	24	7	V	0.04	-999	3.08	318
180970073	2013	11	24	8	V	0.3	-999	2.76	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	24	9	V	0.3	-999	3.57	310
180970073	2013	11	24	10	V	0.2	-999	3.24	312
180970073	2013	11	24	11	V	0.4	-999	2.45	327
180970073	2013	11	24	12	V	0.4	-999	2.16	330
180970073	2013	11	24	13	V	0.2	-999	2.76	316
180970073	2013	11	24	14	V	0.2	-999	2.66	303
180970073	2013	11	24	15	V	0.06	-999	2.19	279
180970073	2013	11	24	16	V	0.1	-999	1.77	321
180970073	2013	11	24	17	V	0.1	-999	1.81	292
180970073	2013	11	24	18	V	0.1	-999	2.01	300
180970073	2013	11	24	19	V	0.3	-999	1.42	324
180970073	2013	11	24	20	V	1.8	-999	0.62	295
180970073	2013	11	24	21	V	0.5	-999	1.2	144
180970073	2013	11	24	22	V	0.05	-999	2.62	166
180970073	2013	11	24	23	V	0.04	-999	2.91	197
180970073	2013	11	24	24	V	0.03	-999	3.01	195
180970073	2013	11	25	1	V	0.03	-999	3.22	181
180970073	2013	11	25	2	V	0.03	-999	3.69	176
180970073	2013	11	25	3	V	0.04	-999	3.51	172
180970073	2013	11	25	4	V	0.04	-999	3.63	182
180970073	2013	11	25	5	V	0.04	-999	4.03	175
180970073	2013	11	25	6	V	0.04	-999	3.97	165
180970073	2013	11	25	7	V	0.05	-999	4.08	175
180970073	2013	11	25	8	V	0.1	-999	3.9	173
180970073	2013	11	25	9	V	0.08	-999	4.34	188
180970073	2013	11	25	10	V	0.03	-999	5.38	191
180970073	2013	11	25	11	V	0.04	-999	4.78	193
180970073	2013	11	25	12	V	0.02	-999	5.63	207
180970073	2013	11	25	13	V	0.02	-999	5.97	213
180970073	2013	11	25	14	V	0.06	-999	5.77	220
180970073	2013	11	25	15	V	1.7	-999	5	221
180970073	2013	11	25	16	V	0.06	-999	4.82	215
180970073	2013	11	25	17	V	0.04	-999	5.22	207
180970073	2013	11	25	18	V	0.04	-999	5.24	206
180970073	2013	11	25	19	V	0.05	-999	4.65	200
180970073	2013	11	25	20	V	0.06	-999	5.22	215
180970073	2013	11	25	21	V	0.9	-999	5.73	220
180970073	2013	11	25	22	V	0.06	-999	4.8	215
180970073	2013	11	25	23	V	0.04	-999	3.63	213
180970073	2013	11	25	24	V	0.08	-999	2.95	219
180970073	2013	11	26	1	V	14.7	-999	2.42	228
180970073	2013	11	26	2	V	1.9	-999	3.86	223
180970073	2013	11	26	3	V	6.5	-999	4.61	226
180970073	2013	11	26	4	V	0.7	-999	4.46	221
180970073	2013	11	26	5	V	2.2	-999	3.56	224
180970073	2013	11	26	6	V	0.3	-999	3.25	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	26	7	V	4.5	-999	2.15	225
180970073	2013	11	26	8	V	13.0	-999	2.03	226
180970073	2013	11	26	9	V	4.7	-999	2.2	258
180970073	2013	11	26	10	V	5.9	-999	1.91	258
180970073	2013	11	26	11	V	0.4	-999	2.22	300
180970073	2013	11	26	12	V	5.4	-999	1.08	265
180970073	2013	11	26	13	V	1.4	-999	1.16	298
180970073	2013	11	26	14	V	0.4	-999	1.81	315
180970073	2013	11	26	15	V	0.05	-999	3.22	312
180970073	2013	11	26	16	V	0.04	-999	2.78	305
180970073	2013	11	26	17	V	0.04	-999	2.98	310
180970073	2013	11	26	18	V	0.04	-999	3.25	319
180970073	2013	11	26	19	V	0.04	-999	4.58	312
180970073	2013	11	26	20	V	0.04	-999	6.28	318
180970073	2013	11	26	21	V	0.04	-999	5.77	313
180970073	2013	11	26	22	V	0.04	-999	7.43	317
180970073	2013	11	26	23	V	0.03	-999	7.69	327
180970073	2013	11	26	24	V	0.04	-999	7.98	340
180970073	2013	11	27	1	V	0.04	-999	6.43	340
180970073	2013	11	27	2	V	0.03	-999	6.35	320
180970073	2013	11	27	3	V	0.03	-999	7.33	318
180970073	2013	11	27	4	V	0.03	-999	7.98	329
180970073	2013	11	27	5	V	0.04	-999	7.16	317
180970073	2013	11	27	6	V	0.04	-999	6.81	306
180970073	2013	11	27	7	V	0.04	-999	7.08	304
180970073	2013	11	27	8	V	0.05	-999	7.21	301
180970073	2013	11	27	9	V	0.02	-999	7.03	302
180970073	2013	11	27	10	V	0.02	-999	6.72	309
180970073	2013	11	27	11	V	0.02	-999	6.62	307
180970073	2013	11	27	12	V	0.02	-999	6.28	306
180970073	2013	11	27	13	V	0.02	-999	6.21	296
180970073	2013	11	27	14	V	0.02	-999	6.52	300
180970073	2013	11	27	15	V	0.04	-999	6.75	299
180970073	2013	11	27	16	V	0.03	-999	6.62	292
180970073	2013	11	27	17	V	0.03	-999	6.19	290
180970073	2013	11	27	18	V	0.03	-999	5.33	272
180970073	2013	11	27	19	V	0.2	-999	3.51	263
180970073	2013	11	27	20	V	0.2	-999	3.27	263
180970073	2013	11	27	21	V	6.7	-999	3.25	248
180970073	2013	11	27	22	V	11.5	-999	3.52	238
180970073	2013	11	27	23	V	2.2	-999	3.46	245
180970073	2013	11	27	24	V	4.8	-999	3.18	247
180970073	2013	11	28	1	V	13.5	0	3.08	238
180970073	2013	11	28	2	V	3.2	0	2.86	245
180970073	2013	11	28	3	V	1.1	0.1	3.12	224
180970073	2013	11	28	4	V	3.4	0.4	2.79	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	28	5	V	1.1	1.2	2.86	223
180970073	2013	11	28	6	V	2.5	4.4	3.22	224
180970073	2013	11	28	7	V	0.04	15.6	3.3	204
180970073	2013	11	28	8	V	0.1	8.4	4	181
180970073	2013	11	28	9	V	0.1	5.5	4.19	176
180970073	2013	11	28	10	V	0.04	2.8	5.73	184
180970073	2013	11	28	11	V	0.02	2.9	7.33	191
180970073	2013	11	28	12	V	0.02	2.6	7.25	195
180970073	2013	11	28	13	V	0.02	3.3	6.72	193
180970073	2013	11	28	14	V	0.02	2.7	6.24	201
180970073	2013	11	28	15	V	2.6	2	7.37	223
180970073	2013	11	28	16	V	13.8	4	7.54	235
180970073	2013	11	28	17	V	15.9	5.3	5.65	230
180970073	2013	11	28	18	V	7.7	5.3	4.34	239
180970073	2013	11	28	19	V	43.8	2.6	3.03	232
180970073	2013	11	28	20	V	35.3	1.9	2.39	231
180970073	2013	11	28	21	V	5.0	4.1	2.78	226
180970073	2013	11	28	22	V	5.6	4.4	2.71	247
180970073	2013	11	28	23	V	0.04	3.5	2.47	275
180970073	2013	11	28	24	V	0.07	1.3	1.89	294
180970073	2013	11	29	1	V	0.09	0.6	1.74	294
180970073	2013	11	29	2	V	0.1	0.3	1.65	304
180970073	2013	11	29	3	V	0.04	0.6	2.44	323
180970073	2013	11	29	4	V	0.04	0.4	2.4	340
180970073	2013	11	29	5	V	0.06	0.4	2.01	359
180970073	2013	11	29	6	V	0.08	0.4	1.81	19
180970073	2013	11	29	7	V	0.2	0.5	1.35	16
180970073	2013	11	29	8	V	1.3	0.7	0.94	25
180970073	2013	11	29	9	V	2.8	1.3	0.69	347
180970073	2013	11	29	10	V	0.5	1.9	1.96	43
180970073	2013	11	29	11	V	0.2	1	2.62	71
180970073	2013	11	29	12	V	0.1	0.7	3.2	103
180970073	2013	11	29	13	V	0.08	0.5	3.11	116
180970073	2013	11	29	14	V	0.06	0.4	3.18	118
180970073	2013	11	29	15	V	0.03	0.5	3.01	111
180970073	2013	11	29	16	V	0.02	0.3	3.12	107
180970073	2013	11	29	17	V	0.02	0.3	2.81	95
180970073	2013	11	29	18	V	0.03	0.3	2.74	116
180970073	2013	11	29	19	V	0.03	0.6	2.55	89
180970073	2013	11	29	20	V	0.04	0.5	2.49	98
180970073	2013	11	29	21	V	0.03	0.3	2.95	110
180970073	2013	11	29	22	V	0.02	0.7	3.22	116
180970073	2013	11	29	23	V	0.02	0.9	3.59	124
180970073	2013	11	29	24	V	0.02	1.1	3.66	133
180970073	2013	11	30	1	V	0.02	1.6	3.56	130
180970073	2013	11	30	2	V	0.03	0.8	2.64	130

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	11	30	3	V	0.02	1.9	2.81	136
180970073	2013	11	30	4	V	0.04	2.2	2.11	126
180970073	2013	11	30	5	V	0.03	2.7	2.28	121
180970073	2013	11	30	6	V	0.08	2.7	1.64	124
180970073	2013	11	30	7	V	0.03	2.5	2.81	133
180970073	2013	11	30	8	V	0.2	2.1	2.71	142
180970073	2013	11	30	9	V	0.3	2.5	2.57	142
180970073	2013	11	30	10	V	0.2	2.4	3.29	170
180970073	2013	11	30	11	V	0.09	2.8	4.1	185
180970073	2013	11	30	12	V	0.05	6	4.9	190
180970073	2013	11	30	13	V	0.02	7.3	5.77	190
180970073	2013	11	30	14	V	0.02	9	5.92	191
180970073	2013	11	30	15	V	0.02	6.5	6.06	191
180970073	2013	11	30	16	V	0.02	4.2	6.89	194
180970073	2013	11	30	17	V	0.02	4	6.01	199
180970073	2013	11	30	18	V	0.02	1.4	4.75	209
180970073	2013	11	30	19	V	0.02	1.4	3.98	191
180970073	2013	11	30	20	V	0.02	1.5	3.49	189
180970073	2013	11	30	21	V	0.02	1.7	3.81	182
180970073	2013	11	30	22	V	0.02	2.5	3.17	172
180970073	2013	11	30	23	V	0.02	-999	3.18	191
180970073	2013	11	30	24	V	0.02	3.2	3.34	204
180970073	2013	12	1	1	V	0.02	2.5	3.56	209
180970073	2013	12	1	2	V	0.03	1.3	3.18	220
180970073	2013	12	1	3	V	0.04	1.4	2.69	217
180970073	2013	12	1	4	V	0.02	1.7	3.98	218
180970073	2013	12	1	5	V	17.9	1.3	4.03	233
180970073	2013	12	1	6	V	7.6	0.9	4.27	237
180970073	2013	12	1	7	V	7.0	0.6	3.68	228
180970073	2013	12	1	8	V	14.7	1.2	2.88	235
180970073	2013	12	1	9	V	17.0	5.1	2.76	232
180970073	2013	12	1	10	V	9.1	11.8	4.2	226
180970073	2013	12	1	11	V	6.6	25.7	4.92	240
180970073	2013	12	1	12	V	8.2	16	3.68	244
180970073	2013	12	1	13	V	10.9	6.5	3.25	241
180970073	2013	12	1	14	V	3.6	6.3	4.05	244
180970073	2013	12	1	15	V	0.3	3.8	4.15	264
180970073	2013	12	1	16	V	9.5	3.6	3.63	250
180970073	2013	12	1	17	V	0.09	3.9	2.89	264
180970073	2013	12	1	18	V	0.03	2.8	2.71	322
180970073	2013	12	1	19	V	0.04	2.1	2.61	329
180970073	2013	12	1	20	V	0.1	1.4	1.67	347
180970073	2013	12	1	21	V	0.06	1.1	2.1	3
180970073	2013	12	1	22	V	0.03	1.4	3.1	32
180970073	2013	12	1	23	V	0.04	1.6	2.4	48
180970073	2013	12	1	24	V	0.03	1.2	2.83	40

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	2	1	V	0.04	1	2.45	49
180970073	2013	12	2	2	V	0.04	0.2	2.52	43
180970073	2013	12	2	3	V	0.03	0.7	2.86	38
180970073	2013	12	2	4	V	0.03	0.8	3.12	39
180970073	2013	12	2	5	V	0.04	0.7	2.96	47
180970073	2013	12	2	6	V	0.04	0.7	3.86	36
180970073	2013	12	2	7	V	0.04	0.8	3.44	52
180970073	2013	12	2	8	V	0.07	0.7	3.32	52
180970073	2013	12	2	9	V	0.2	0.7	2.64	52
180970073	2013	12	2	10	V	0.3	0.9	2.37	73
180970073	2013	12	2	11	V	0.2	1.2	3.68	97
180970073	2013	12	2	12	V	0.09	1.4	4.32	107
180970073	2013	12	2	13	V	0.3	2.1	3.05	111
180970073	2013	12	2	14	V	0.4	2.8	2.62	95
180970073	2013	12	2	15	V	0.05	3.8	3.68	100
180970073	2013	12	2	16	V	0.04	3	3.9	94
180970073	2013	12	2	17	V	0.05	2.8	2.48	114
180970073	2013	12	2	18	V	0.04	1.6	2.86	79
180970073	2013	12	2	19	V	0.04	1.3	3.11	80
180970073	2013	12	2	20	V	0.04	0.9	3.29	77
180970073	2013	12	2	21	V	0.04	0.7	3.68	78
180970073	2013	12	2	22	V	0.04	0.7	3.66	92
180970073	2013	12	2	23	V	0.04	0.8	3.97	110
180970073	2013	12	2	24	V	0.04	1.1	3.9	107
180970073	2013	12	3	1	V	0.04	0.8	3.37	103
180970073	2013	12	3	2	V	0.03	0.2	4.54	116
180970073	2013	12	3	3	V	0.03	0.4	3.8	99
180970073	2013	12	3	4	V	0.04	0.4	2.88	90
180970073	2013	12	3	5	V	0.09	0.3	2.03	89
180970073	2013	12	3	6	V	0.03	0.4	3.35	111
180970073	2013	12	3	7	V	0.04	0.2	3.01	104
180970073	2013	12	3	8	V	0.2	0.3	3.24	95
180970073	2013	12	3	9	V	0.1	0.4	3.76	111
180970073	2013	12	3	10	V	0.1	0.4	3.34	147
180970073	2013	12	3	11	V	0.1	0.4	3.76	133
180970073	2013	12	3	12	V	0.2	0.6	3.18	147
180970073	2013	12	3	13	V	0.05	1.1	4.93	132
180970073	2013	12	3	14	V	0.05	1	4.58	140
180970073	2013	12	3	15	V	0.04	0.9	4.27	138
180970073	2013	12	3	16	V	0.04	0.9	5.55	137
180970073	2013	12	3	17	V	0.04	0.8	4.54	148
180970073	2013	12	3	18	V	0.04	0.7	2.76	155
180970073	2013	12	3	19	V	0.04	0.6	3.42	129
180970073	2013	12	3	20	V	0.04	0.3	3.59	120
180970073	2013	12	3	21	V	0.04	0.4	3.92	123
180970073	2013	12	3	22	V	0.04	0.3	3.27	127

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	3	23	V	0.03	0.3	3.35	136
180970073	2013	12	3	24	V	0.03	0.1	4.2	126
180970073	2013	12	4	1	V	0.03	0	5	137
180970073	2013	12	4	2	V	0.02	0	4.36	137
180970073	2013	12	4	3	V	0.02	0	4.26	143
180970073	2013	12	4	4	V	0.02	0.1	4.15	159
180970073	2013	12	4	5	V	0.02	0	4.36	163
180970073	2013	12	4	6	V	0.03	0	3.83	134
180970073	2013	12	4	7	V	0.03	0	4.41	132
180970073	2013	12	4	8	V	0.05	0	3.88	144
180970073	2013	12	4	9	V	0.06	0	3.9	132
180970073	2013	12	4	10	V	0.04	0	4.71	135
180970073	2013	12	4	11	V	0.03	0	5.12	128
180970073	2013	12	4	12	V	0.02	0.2	5.87	132
180970073	2013	12	4	13	V	0.01	0	6.46	142
180970073	2013	12	4	14	V	0.02	0	5.38	156
180970073	2013	12	4	15	V	0.03	0	5.48	163
180970073	2013	12	4	16	V	0.02	0.1	5.62	161
180970073	2013	12	4	17	V	0.02	0.3	5.04	148
180970073	2013	12	4	18	V	0.02	0.4	4.14	146
180970073	2013	12	4	19	V	0.02	0.5	3.76	143
180970073	2013	12	4	20	V	0.02	0.5	4.17	142
180970073	2013	12	4	21	V	0.02	0.4	4.14	165
180970073	2013	12	4	22	V	0.02	0.5	5.22	192
180970073	2013	12	4	23	V	0.02	0.4	5.62	214
180970073	2013	12	4	24	V	3.0	1.5	6.96	226
180970073	2013	12	5	1	V	0.02	1.4	5.34	218
180970073	2013	12	5	2	V	7.9	0	7.14	235
180970073	2013	12	5	3	V	0.02	1.2	6.77	273
180970073	2013	12	5	4	V	0.05	0.3	5.63	269
180970073	2013	12	5	5	V	0.02	0	6.3	277
180970073	2013	12	5	6	V	0.02	0	5.84	285
180970073	2013	12	5	7	V	0.02	0	6.6	284
180970073	2013	12	5	8	V	0.03	0	6.96	280
180970073	2013	12	5	9	V	0.01	0	6.6	297
180970073	2013	12	5	10	V	0.01	0	7.06	296
180970073	2013	12	5	11	V	0.01	0	6.41	297
180970073	2013	12	5	12	V	0.01	0	6.62	299
180970073	2013	12	5	13	V	0.01	0	5.29	297
180970073	2013	12	5	14	V	0.02	0	5.36	297
180970073	2013	12	5	15	V	0.02	0	6.04	309
180970073	2013	12	5	16	V	0.02	0	5.34	301
180970073	2013	12	5	17	V	0.02	0	4.95	301
180970073	2013	12	5	18	V	0.02	0	3.85	311
180970073	2013	12	5	19	V	0.02	0	5.9	318
180970073	2013	12	5	20	V	0.02	0	6.26	316

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	5	21	V	0.02	0	5.84	315
180970073	2013	12	5	22	V	0.02	0	4.07	319
180970073	2013	12	5	23	V	0.02	0	5.36	326
180970073	2013	12	5	24	V	0.02	0	4.36	310
180970073	2013	12	6	1	V	0.02	0	4.14	322
180970073	2013	12	6	2	V	0.02	0	4.66	325
180970073	2013	12	6	3	V	0.02	0	4.92	326
180970073	2013	12	6	4	V	0.02	0	4.29	333
180970073	2013	12	6	5	V	0.02	0	4.49	328
180970073	2013	12	6	6	V	0.02	0	3.85	352
180970073	2013	12	6	7	V	0.03	0	4.9	347
180970073	2013	12	6	8	V	0.04	0	4.66	346
180970073	2013	12	6	9	V	0.02	0	4.32	353
180970073	2013	12	6	10	V	0.02	0	4.46	352
180970073	2013	12	6	11	V	0.02	0	4.6	342
180970073	2013	12	6	12	V	0.03	0	3.78	7
180970073	2013	12	6	13	V	0.02	0	3.9	5
180970073	2013	12	6	14	V	0.01	0	4.78	349
180970073	2013	12	6	15	V	0.03	0	6.41	340
180970073	2013	12	6	16	V	0.03	0	4.95	348
180970073	2013	12	6	17	V	0.03	0	5.56	339
180970073	2013	12	6	18	V	0.03	0	5.41	337
180970073	2013	12	6	19	V	0.02	0	5.07	329
180970073	2013	12	6	20	V	0.03	0	4.68	334
180970073	2013	12	6	21	V	0.02	0	4.63	326
180970073	2013	12	6	22	V	0.02	0	5.12	325
180970073	2013	12	6	23	V	0.03	0	5.53	332
180970073	2013	12	6	24	V	0.02	0	5.12	326
180970073	2013	12	7	1	V	0.02	0	5.09	314
180970073	2013	12	7	2	V	0.02	0	5.7	322
180970073	2013	12	7	3	V	0.02	0	4.56	317
180970073	2013	12	7	4	V	0.02	0	4.66	318
180970073	2013	12	7	5	V	0.02	0	4.09	315
180970073	2013	12	7	6	V	0.02	0	4.73	325
180970073	2013	12	7	7	V	0.02	0	3.68	328
180970073	2013	12	7	8	V	0.1	0	3.18	338
180970073	2013	12	7	9	V	0.1	0.2	3.64	333
180970073	2013	12	7	10	V	0.06	0.6	4.14	341
180970073	2013	12	7	11	V	0.2	0.7	2.78	331
180970073	2013	12	7	12	V	0.3	0.7	2.11	324
180970073	2013	12	7	13	V	0.09	0.4	3.37	1
180970073	2013	12	7	14	V	0.07	0.3	3.23	14
180970073	2013	12	7	15	V	0.03	0.2	2.78	8
180970073	2013	12	7	16	V	0.02	0.1	3.47	351
180970073	2013	12	7	17	V	0.02	0.2	3.91	19
180970073	2013	12	7	18	V	0.02	0.1	3.03	17

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	7	19	V	0.1	0.1	1.6	15
180970073	2013	12	7	20	V	0.1	0.1	1.47	41
180970073	2013	12	7	21	V	0.1	0.2	1.59	29
180970073	2013	12	7	22	V	0.04	0.1	2.32	37
180970073	2013	12	7	23	V	0.02	-999	3.12	61
180970073	2013	12	7	24	V	0.02	0	3.12	73
180970073	2013	12	8	1	V	0.03	0	3.71	73
180970073	2013	12	8	2	V	0.03	0	4.2	89
180970073	2013	12	8	3	V	0.03	0	4.56	87
180970073	2013	12	8	4	V	0.03	0.1	4.95	83
180970073	2013	12	8	5	V	0.03	0	4.61	75
180970073	2013	12	8	6	V	0.03	0.1	5.11	70
180970073	2013	12	8	7	V	0.03	0	5.34	51
180970073	2013	12	8	8	V	0.03	0.1	5.87	59
180970073	2013	12	8	9	V	0.01	0.2	5.92	67
180970073	2013	12	8	10	V	0.01	0.4	6.52	74
180970073	2013	12	8	11	V	0.01	0.7	6.47	76
180970073	2013	12	8	12	V	0.01	1.6	6.38	88
180970073	2013	12	8	13	V	0.01	1.9	6.38	90
180970073	2013	12	8	14	V	0.01	1.7	5.97	91
180970073	2013	12	8	15	V	0.03	1.7	5.75	89
180970073	2013	12	8	16	V	0.02	1.4	5.84	100
180970073	2013	12	8	17	V	0.02	1.3	4.95	104
180970073	2013	12	8	18	V	0.02	1.1	4.54	110
180970073	2013	12	8	19	V	0.02	0.8	4.68	118
180970073	2013	12	8	20	V	0.02	1.1	3.71	123
180970073	2013	12	8	21	V	0.02	1.6	3.3	161
180970073	2013	12	8	22	V	0.02	3.3	3.8	167
180970073	2013	12	8	23	V	0.02	3.4	3.76	193
180970073	2013	12	8	24	V	0.02	2.4	4.29	207
180970073	2013	12	9	1	V	8.7	3.3	5.39	229
180970073	2013	12	9	2	V	3.1	3.9	6.58	242
180970073	2013	12	9	3	V	4.1	2.7	7.13	247
180970073	2013	12	9	4	V	5.4	8.8	7.04	252
180970073	2013	12	9	5	V	5.1	11.9	7.31	253
180970073	2013	12	9	6	V	4.8	5.1	7.2	254
180970073	2013	12	9	7	V	4.5	3.5	6.64	255
180970073	2013	12	9	8	V	3.0	2.4	6.21	258
180970073	2013	12	9	9	V	0.09	2.2	6.11	266
180970073	2013	12	9	10	V	0.01	1.9	7.96	270
180970073	2013	12	9	11	V	0.01	1.4	6.45	277
180970073	2013	12	9	12	V	0.05	1.4	6.16	265
180970073	2013	12	9	13	V	0.5	1.2	7.98	259
180970073	2013	12	9	14	V	0.9	2.9	8.16	257
180970073	2013	12	9	15	V	0.06	1.4	6.45	269
180970073	2013	12	9	16	V	0.09	1.2	6.53	267

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	9	17	V	0.02	1.2	5.67	280
180970073	2013	12	9	18	V	0.02	1.3	5.53	274
180970073	2013	12	9	19	V	0.05	1.4	5.84	269
180970073	2013	12	9	20	V	0.03	1.3	4.17	272
180970073	2013	12	9	21	V	0.02	1.1	3.41	275
180970073	2013	12	9	22	V	0.02	1.2	4.25	286
180970073	2013	12	9	23	V	0.02	0.9	4.42	284
180970073	2013	12	9	24	V	0.02	0.7	3.93	286
180970073	2013	12	10	1	V	0.03	0.3	2.79	281
180970073	2013	12	10	2	V	0.03	0	2.39	273
180970073	2013	12	10	3	V	0.02	0.3	3.06	289
180970073	2013	12	10	4	V	0.02	0.7	3.76	303
180970073	2013	12	10	5	V	0.02	0.7	3.51	307
180970073	2013	12	10	6	V	0.02	0.6	3.23	277
180970073	2013	12	10	7	V	0.02	0.4	4.24	290
180970073	2013	12	10	8	V	0.1	0.6	3.17	284
180970073	2013	12	10	9	V	17.7	0.9	3.03	232
180970073	2013	12	10	10	V	0.03	4.5	5.5	204
180970073	2013	12	10	11	V	0.4	9.8	7.65	221
180970073	2013	12	10	12	V	2.4	14	9.1	228
180970073	2013	12	10	13	V	4.4	11.3	9.44	233
180970073	2013	12	10	14	V	0.7	2.9	10.92	245
180970073	2013	12	10	15	V	4.3	3.5	9.39	248
180970073	2013	12	10	16	V	2.3	5.4	7.98	243
180970073	2013	12	10	17	V	9.4	4.7	6.74	236
180970073	2013	12	10	18	V	10.2	2.2	6.79	230
180970073	2013	12	10	19	V	13.9	1.7	6.21	233
180970073	2013	12	10	20	V	9.4	1.8	3.98	229
180970073	2013	12	10	21	V	0.06	3.9	3.32	222
180970073	2013	12	10	22	V	11.8	13.7	3.71	236
180970073	2013	12	10	23	V	7.9	7.9	3.64	249
180970073	2013	12	10	24	V	0.7	4	3.49	225
180970073	2013	12	11	1	V	10.7	1.8	2.78	229
180970073	2013	12	11	2	V	15.9	1	2.21	230
180970073	2013	12	11	3	V	0.07	1.4	2.3	218
180970073	2013	12	11	4	V	1.5	1.6	2.23	224
180970073	2013	12	11	5	V	0.1	3.6	1.64	163
180970073	2013	12	11	6	V	0.03	2.4	2.57	159
180970073	2013	12	11	7	V	0.02	1.7	3.17	178
180970073	2013	12	11	8	V	0.1	1.5	2.86	190
180970073	2013	12	11	9	V	0.2	2	2.84	183
180970073	2013	12	11	10	V	0.1	3.2	3.39	203
180970073	2013	12	11	11	V	0.08	4.6	4.29	204
180970073	2013	12	11	12	V	15.8	-999	4.02	234
180970073	2013	12	11	13	V	2.7	12.1	5.62	254
180970073	2013	12	11	14	V	0.01	5.1	7.52	292

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	11	15	V	0.02	3.4	7.09	301
180970073	2013	12	11	16	V	0.02	2.6	7.59	317
180970073	2013	12	11	17	V	0.02	2.1	6.58	309
180970073	2013	12	11	18	V	0.02	1.7	6.35	315
180970073	2013	12	11	19	V	0.02	1.5	5.53	305
180970073	2013	12	11	20	V	0.01	1.4	7.72	307
180970073	2013	12	11	21	V	0.02	0.9	3.98	312
180970073	2013	12	11	22	V	0.02	0.9	4.14	314
180970073	2013	12	11	23	V	0.02	0.9	3.97	308
180970073	2013	12	11	24	V	0.02	1.3	4.24	306
180970073	2013	12	12	1	V	0.02	1.3	4.03	306
180970073	2013	12	12	2	V	0.02	0.9	4.03	308
180970073	2013	12	12	3	V	0.03	1	2.76	297
180970073	2013	12	12	4	V	0.02	1.1	3.35	289
180970073	2013	12	12	5	V	0.02	1.3	3.24	271
180970073	2013	12	12	6	V	11.0	1.2	2.64	252
180970073	2013	12	12	7	V	5.7	1.3	2.11	247
180970073	2013	12	12	8	V	5.6	1.6	2.98	246
180970073	2013	12	12	9	V	0.4	2.3	2.67	210
180970073	2013	12	12	10	V	8.2	16.1	3.49	224
180970073	2013	12	12	11	V	1.8	26.2	3.61	218
180970073	2013	12	12	12	V	0.3	38.2	3.64	210
180970073	2013	12	12	13	V	0.1	31.9	3.73	200
180970073	2013	12	12	14	V	5.7	19.1	6.77	230
180970073	2013	12	12	15	V	5.9	16.2	6.96	227
180970073	2013	12	12	16	V	2.6	10.4	5.99	225
180970073	2013	12	12	17	V	0.02	4.4	4.9	211
180970073	2013	12	12	18	V	0.02	3.7	5.45	208
180970073	2013	12	12	19	V	0.02	3.8	4.46	212
180970073	2013	12	12	20	V	6.6	7.2	3.25	248
180970073	2013	12	12	21	V	14.4	24.6	4.53	231
180970073	2013	12	12	22	V	0.04	23.4	4.6	219
180970073	2013	12	12	23	V	0.03	16.8	4.73	219
180970073	2013	12	12	24	V	0.02	23.3	3.3	213
180970073	2013	12	13	1	V	0.03	18.2	2.49	200
180970073	2013	12	13	2	V	0.03	17.2	3.29	222
180970073	2013	12	13	3	V	0.01	16.2	2.86	206
180970073	2013	12	13	4	V	0.01	15.6	2.69	192
180970073	2013	12	13	5	V	0.01	7.8	3.18	194
180970073	2013	12	13	6	V	0.01	6.8	4.02	210
180970073	2013	12	13	7	V	0.01	5.9	3.07	204
180970073	2013	12	13	8	V	0.04	5.1	2.66	198
180970073	2013	12	13	9	V	0.1	6.5	2.28	187
180970073	2013	12	13	10	V	0.1	9.3	2.47	188
180970073	2013	12	13	11	V	0.09	15.8	3.42	209
180970073	2013	12	13	12	V	0.08	16.2	2.93	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	13	13	V	0.07	9.6	2.84	168
180970073	2013	12	13	14	V	0.03	6.6	4	178
180970073	2013	12	13	15	V	0.01	5.2	4.24	170
180970073	2013	12	13	16	V	0.01	5	3.25	149
180970073	2013	12	13	17	V	0.01	5.2	3.03	140
180970073	2013	12	13	18	V	0.01	5.1	2.79	154
180970073	2013	12	13	19	V	0.01	5.3	4.41	196
180970073	2013	12	13	20	V	0.01	3.9	4.73	205
180970073	2013	12	13	21	V	0.01	2.5	3.15	147
180970073	2013	12	13	22	V	0.01	2	3.49	127
180970073	2013	12	13	23	V	0.01	1.5	4.07	122
180970073	2013	12	13	24	V	0.01	1.3	3.9	132
180970073	2013	12	14	1	V	0.01	1.1	4.12	125
180970073	2013	12	14	2	V	0.01	1.1	4.54	123
180970073	2013	12	14	3	V	0.01	1.1	3.51	110
180970073	2013	12	14	4	V	0.01	0.8	3.3	110
180970073	2013	12	14	5	V	0.01	0.8	4.03	105
180970073	2013	12	14	6	V	0.01	0.7	4.14	112
180970073	2013	12	14	7	V	0.01	0.7	3.73	113
180970073	2013	12	14	8	V	0.02	0.5	4.7	106
180970073	2013	12	14	9	V	0.01	0.5	4.82	105
180970073	2013	12	14	10	V	0.02	0.5	4.68	97
180970073	2013	12	14	11	V	0.02	0.5	4.09	81
180970073	2013	12	14	12	V	0.04	0.4	3.64	87
180970073	2013	12	14	13	V	0.1	0.7	2.08	60
180970073	2013	12	14	14	V	0.04	0.7	2.16	28
180970073	2013	12	14	15	V	0.01	0.8	2.84	341
180970073	2013	12	14	16	V	0.01	0.8	3.32	323
180970073	2013	12	14	17	V	0.01	0.6	3.51	327
180970073	2013	12	14	18	V	0.01	0.5	5.96	320
180970073	2013	12	14	19	V	0.01	0.5	6.38	318
180970073	2013	12	14	20	V	0.01	0.8	6.57	318
180970073	2013	12	14	21	V	0.01	1.1	7.31	316
180970073	2013	12	14	22	V	0.02	1.4	7.15	305
180970073	2013	12	14	23	V	0.02	-999	6.72	307
180970073	2013	12	14	24	V	0.02	2	6.69	309
180970073	2013	12	15	1	V	0.02	2.2	6.36	305
180970073	2013	12	15	2	V	0.02	1.9	7.13	301
180970073	2013	12	15	3	V	0.02	1.6	8.01	298
180970073	2013	12	15	4	V	0.01	2	7.69	295
180970073	2013	12	15	5	V	0.01	1.8	6.43	294
180970073	2013	12	15	6	V	0.01	1.5	6.86	287
180970073	2013	12	15	7	V	0.01	1.3	7.3	274
180970073	2013	12	15	8	V	2.7	1.5	8.06	258
180970073	2013	12	15	9	V	0.2	1.4	8.22	262
180970073	2013	12	15	10	V	0.01	1.2	10.05	268

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	15	11	V	0.09	1.1	8.44	264
180970073	2013	12	15	12	V	0.9	1.9	8.78	257
180970073	2013	12	15	13	V	1.8	2.3	8.49	250
180970073	2013	12	15	14	V	4.9	3.4	8.47	251
180970073	2013	12	15	15	V	5.1	5.4	7.93	252
180970073	2013	12	15	16	V	5.0	8.8	7.11	249
180970073	2013	12	15	17	V	5.1	9.6	6.5	249
180970073	2013	12	15	18	V	2.3	4.1	6.67	244
180970073	2013	12	15	19	V	5.7	6.7	6.09	250
180970073	2013	12	15	20	V	5.0	6.8	5.77	248
180970073	2013	12	15	21	V	0.7	4.5	5.02	239
180970073	2013	12	15	22	V	4.9	4.4	4.66	247
180970073	2013	12	15	23	V	8.2	4	3.61	251
180970073	2013	12	15	24	V	0.01	3.5	2.61	271
180970073	2013	12	16	1	V	0.02	3	2.03	291
180970073	2013	12	16	2	V	0.03	2	1.99	305
180970073	2013	12	16	3	V	0.03	2	1.69	342
180970073	2013	12	16	4	V	0.02	1.6	1.96	37
180970073	2013	12	16	5	V	0.01	1.2	2.69	43
180970073	2013	12	16	6	V	0.01	1.1	2.88	37
180970073	2013	12	16	7	V	0.01	1.3	3.71	43
180970073	2013	12	16	8	V	0.02	1.6	4.66	41
180970073	2013	12	16	9	V	0.03	1.8	3.52	58
180970073	2013	12	16	10	V	0.04	2.2	3.52	71
180970073	2013	12	16	11	V	0.04	2.2	3.63	81
180970073	2013	12	16	12	V	0.05	2.2	3.1	59
180970073	2013	12	16	13	V	0.04	1.9	3.22	53
180970073	2013	12	16	14	V	0.03	1.9	2.61	82
180970073	2013	12	16	15	V	0.02	1.6	2.33	52
180970073	2013	12	16	16	V	0.01	1.2	2.69	83
180970073	2013	12	16	17	V	0.03	0.9	1.72	125
180970073	2013	12	16	18	V	0.05	0.8	1.45	157
180970073	2013	12	16	19	V	0.05	0.7	1.52	166
180970073	2013	12	16	20	V	0.02	0.7	2.23	135
180970073	2013	12	16	21	V	0.01	0.7	2.42	174
180970073	2013	12	16	22	V	1.9	0.6	1.96	240
180970073	2013	12	16	23	V	0.02	0.8	2.83	289
180970073	2013	12	16	24	V	0.02	1.2	4.03	303
180970073	2013	12	17	1	V	0.02	1.6	5.79	297
180970073	2013	12	17	2	V	0.02	1	5.41	305
180970073	2013	12	17	3	V	0.02	1.5	5.39	326
180970073	2013	12	17	4	V	0.02	1.9	4.07	311
180970073	2013	12	17	5	V	0.02	1.6	4.7	290
180970073	2013	12	17	6	V	0.02	1.9	4.48	283
180970073	2013	12	17	7	V	0.02	1.5	4.41	285
180970073	2013	12	17	8	V	0.9	1.3	4.42	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	17	9	V	0.04	1.2	4.7	289
180970073	2013	12	17	10	V	0.1	1.2	5.53	267
180970073	2013	12	17	11	V	2.1	5.4	4.66	259
180970073	2013	12	17	12	V	6.6	6.4	4.73	240
180970073	2013	12	17	13	V	13.4	20.1	5.05	233
180970073	2013	12	17	14	V	6.0	10.8	6.04	238
180970073	2013	12	17	15	V	3.9	6.4	6.55	242
180970073	2013	12	17	16	V	3.8	7	7.18	241
180970073	2013	12	17	17	V	4.2	9.5	6.94	247
180970073	2013	12	17	18	V	5.8	5	5.99	250
180970073	2013	12	17	19	V	3.4	4.3	6.43	245
180970073	2013	12	17	20	V	13.4	6.1	5.33	236
180970073	2013	12	17	21	V	16.0	3.8	5.41	235
180970073	2013	12	17	22	V	15.8	3.2	4.97	235
180970073	2013	12	17	23	V	4.4	5.4	4.51	239
180970073	2013	12	17	24	V	13.4	4.9	4.12	236
180970073	2013	12	18	1	V	2.5	6.1	4.71	245
180970073	2013	12	18	2	V	5.4	3.7	4.8	255
180970073	2013	12	18	3	V	5.5	2.3	4.44	255
180970073	2013	12	18	4	V	0.9	2.1	4.41	260
180970073	2013	12	18	5	V	8.1	1.8	4.12	253
180970073	2013	12	18	6	V	8.0	1.8	4.7	251
180970073	2013	12	18	7	V	3.5	2	4.71	246
180970073	2013	12	18	8	V	6.0	1.8	4.19	239
180970073	2013	12	18	9	V	7.4	7.3	3.83	243
180970073	2013	12	18	10	V	16.5	15.8	4.15	236
180970073	2013	12	18	11	V	20.5	13.8	3.23	235
180970073	2013	12	18	12	V	14.4	10.5	4.14	228
180970073	2013	12	18	13	V	7.5	12.1	3.35	246
180970073	2013	12	18	14	V	0.9	22.3	2.81	218
180970073	2013	12	18	15	V	0.03	3.2	4.65	173
180970073	2013	12	18	16	V	0.02	2.3	5.77	175
180970073	2013	12	18	17	V	0.02	1.9	5.43	163
180970073	2013	12	18	18	V	0.02	1.9	5.63	165
180970073	2013	12	18	19	V	0.02	3	5.87	167
180970073	2013	12	18	20	V	0.02	2.5	5.27	175
180970073	2013	12	18	21	V	0.02	2.4	5.58	183
180970073	2013	12	18	22	V	0.02	2.5	5.56	190
180970073	2013	12	18	23	V	0.02	2.3	6.86	199
180970073	2013	12	18	24	V	0.02	1.7	4.43	195
180970073	2013	12	19	1	V	0.02	1.9	5.29	188
180970073	2013	12	19	2	V	0.02	1.8	6.46	215
180970073	2013	12	19	3	V	3.7	2.6	8.85	226
180970073	2013	12	19	4	V	5.0	4.6	9.05	227
180970073	2013	12	19	5	V	4.9	5.6	8.78	227
180970073	2013	12	19	6	V	8.0	5.3	8.81	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	19	7	V	0.3	5.9	6.96	220
180970073	2013	12	19	8	V	0.02	5	5.36	205
180970073	2013	12	19	9	V	0.02	4.3	5.96	208
180970073	2013	12	19	10	V	0.05	4.3	4.86	191
180970073	2013	12	19	11	V	0.03	4.5	5.36	208
180970073	2013	12	19	12	V	0.03	4.7	5.36	210
180970073	2013	12	19	13	V	0.05	5	4.86	212
180970073	2013	12	19	14	V	0.02	4.7	5.96	197
180970073	2013	12	19	15	V	0.03	3.5	3.86	181
180970073	2013	12	19	16	V	0.03	2.9	4.12	173
180970073	2013	12	19	17	V	0.03	2.5	4.82	179
180970073	2013	12	19	18	V	0.03	2.5	5.73	178
180970073	2013	12	19	19	V	0.03	2.5	5	180
180970073	2013	12	19	20	V	0.03	2.7	3.73	178
180970073	2013	12	19	21	V	0.03	2.5	3.93	175
180970073	2013	12	19	22	V	0.03	2.5	4.25	164
180970073	2013	12	19	23	V	0.03	2.3	5.85	186
180970073	2013	12	19	24	V	0.03	2.9	5.85	188
180970073	2013	12	20	1	V	0.03	2.2	5.24	182
180970073	2013	12	20	2	V	0.03	1.7	4.87	177
180970073	2013	12	20	3	V	0.02	1.5	5.9	195
180970073	2013	12	20	4	V	0.02	1.3	7.59	200
180970073	2013	12	20	5	V	0.02	1.7	9.13	207
180970073	2013	12	20	6	V	0.02	1.4	9.56	210
180970073	2013	12	20	7	V	0.02	1.3	8.57	213
180970073	2013	12	20	8	V	0.03	1.9	8.27	209
180970073	2013	12	20	9	V	0.01	1.5	6.7	205
180970073	2013	12	20	10	V	0.01	1.6	7.28	202
180970073	2013	12	20	11	V	0.01	1.2	6.92	200
180970073	2013	12	20	12	V	0.01	1.3	7.65	201
180970073	2013	12	20	13	V	0.01	1.1	8.06	209
180970073	2013	12	20	14	V	0.01	1.1	8.59	212
180970073	2013	12	20	15	V	0.03	1.1	7.23	208
180970073	2013	12	20	16	V	0.02	0.7	6.79	206
180970073	2013	12	20	17	V	0.03	1.1	6.38	206
180970073	2013	12	20	18	V	0.03	1.6	6.01	201
180970073	2013	12	20	19	V	0.03	1.6	5.9	210
180970073	2013	12	20	20	V	0.04	1.5	6.26	216
180970073	2013	12	20	21	V	0.03	1.4	5.56	206
180970073	2013	12	20	22	V	0.03	0.7	5.92	199
180970073	2013	12	20	23	V	14.8	0.6	6.75	234
180970073	2013	12	20	24	V	0.03	0.5	4.97	272
180970073	2013	12	21	1	V	6.1	0.5	3.71	255
180970073	2013	12	21	2	V	0.04	0.4	3.08	268
180970073	2013	12	21	3	V	0.02	0.5	3.24	281
180970073	2013	12	21	4	V	1.6	0.4	1.89	260

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	21	5	V	0.03	0.2	2.69	314
180970073	2013	12	21	6	V	0.02	0.2	3.07	322
180970073	2013	12	21	7	V	0.03	0.3	3.78	344
180970073	2013	12	21	8	V	0.04	0.3	3.54	358
180970073	2013	12	21	9	V	0.08	0.3	3.63	6
180970073	2013	12	21	10	V	0.05	0.2	4.58	10
180970073	2013	12	21	11	V	0.06	0.2	4.25	54
180970073	2013	12	21	12	V	0.2	0.1	2.88	75
180970073	2013	12	21	13	V	0.2	0.2	2.45	53
180970073	2013	12	21	14	V	0.04	0.2	4.46	343
180970073	2013	12	21	15	V	0.04	0.1	3.61	9
180970073	2013	12	21	16	V	0.04	0	4	23
180970073	2013	12	21	17	V	0.04	0.1	5.16	52
180970073	2013	12	21	18	V	0.04	0	3.92	61
180970073	2013	12	21	19	V	0.04	0	4.31	45
180970073	2013	12	21	20	V	0.04	0	4.54	37
180970073	2013	12	21	21	V	0.03	0	4.73	27
180970073	2013	12	21	22	V	0.03	0	5.72	36
180970073	2013	12	21	23	V	0.03	-999	3.68	52
180970073	2013	12	21	24	V	0.03	0	3.76	47
180970073	2013	12	22	1	V	0.03	0.1	6.31	24
180970073	2013	12	22	2	V	0.03	0	5.17	298
180970073	2013	12	22	3	V	0.05	0.1	1.96	152
180970073	2013	12	22	4	V	0.2	0.6	7.57	219
180970073	2013	12	22	5	V	9.7	0.7	8.44	237
180970073	2013	12	22	6	V	14.6	1.9	7.76	233
180970073	2013	12	22	7	V	12.9	18.5	8.88	231
180970073	2013	12	22	8	V	12.0	16.7	8.69	230
180970073	2013	12	22	9	V	3.8	13.8	8.93	230
180970073	2013	12	22	10	V	1.7	7.5	8.5	226
180970073	2013	12	22	11	V	4.6	5.1	8.78	234
180970073	2013	12	22	12	V	5.0	4.7	8.59	232
180970073	2013	12	22	13	V	0.6	6.5	8.64	223
180970073	2013	12	22	14	V	5.9	2.3	7.86	232
180970073	2013	12	22	15	V	4.2	1.7	7.21	242
180970073	2013	12	22	16	V	4.3	1.4	6.96	247
180970073	2013	12	22	17	V	1.6	1.8	6.38	260
180970073	2013	12	22	18	V	0.2	0.7	5.58	266
180970073	2013	12	22	19	V	2.3	0.6	4.12	259
180970073	2013	12	22	20	V	3.9	0.7	4.63	257
180970073	2013	12	22	21	V	0.03	0.6	6.36	274
180970073	2013	12	22	22	V	0.03	0.6	6.01	283
180970073	2013	12	22	23	V	0.03	0.5	6.26	280
180970073	2013	12	22	24	V	0.03	0.5	5.97	289
180970073	2013	12	23	1	V	0.03	0.5	5.9	294
180970073	2013	12	23	2	V	0.03	0.3	6.23	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	23	3	V	0.03	0.3	6.02	289
180970073	2013	12	23	4	V	0.03	0.1	6.6	289
180970073	2013	12	23	5	V	0.02	0.1	6.23	290
180970073	2013	12	23	6	V	0.02	0	5.48	290
180970073	2013	12	23	7	V	0.03	0	6.43	292
180970073	2013	12	23	8	V	0.04	0	5.56	289
180970073	2013	12	23	9	V	0.01	0.1	7.43	280
180970073	2013	12	23	10	V	0.02	0.1	5.38	295
180970073	2013	12	23	11	V	0.02	0.2	5.95	278
180970073	2013	12	23	12	V	0.02	0.1	5.33	287
180970073	2013	12	23	13	V	0.03	0.3	4.97	279
180970073	2013	12	23	14	V	1.1	0.4	5.5	257
180970073	2013	12	23	15	V	1.3	1.4	5.94	261
180970073	2013	12	23	16	V	0.6	1.4	5.72	263
180970073	2013	12	23	17	V	6.4	0.5	5.38	253
180970073	2013	12	23	18	V	3.1	1	4.8	245
180970073	2013	12	23	19	V	5.8	0.7	4.73	248
180970073	2013	12	23	20	V	0.3	1.2	5.29	264
180970073	2013	12	23	21	V	0.02	0.8	6.84	283
180970073	2013	12	23	22	V	0.03	0.6	7.35	288
180970073	2013	12	23	23	V	0.03	0.2	7.16	288
180970073	2013	12	23	24	V	0.03	0.4	6.58	299
180970073	2013	12	24	1	V	0.02	0.7	6.41	300
180970073	2013	12	24	2	V	0.02	0.5	6.12	286
180970073	2013	12	24	3	V	0.03	0.7	6.28	273
180970073	2013	12	24	4	V	0.03	0.7	6.8	273
180970073	2013	12	24	5	V	0.03	0.6	6.01	278
180970073	2013	12	24	6	V	0.03	0.7	5.77	286
180970073	2013	12	24	7	V	0.03	0.6	5.16	305
180970073	2013	12	24	8	V	0.02	0.6	5.41	294
180970073	2013	12	24	9	V	0.05	0.6	4.78	276
180970073	2013	12	24	10	V	0.07	0.5	4.39	279
180970073	2013	12	24	11	V	0.1	0.6	3.9	275
180970073	2013	12	24	12	V	0.2	0.5	3.22	277
180970073	2013	12	24	13	V	0.5	0.6	3.08	268
180970073	2013	12	24	14	V	15.0	0.9	2.5	240
180970073	2013	12	24	15	V	7.2	1.6	1.82	248
180970073	2013	12	24	16	V	0.2	5.3	1.57	202
180970073	2013	12	24	17	V	0.4	12.9	1.14	149
180970073	2013	12	24	18	V	0.07	11.4	2.1	167
180970073	2013	12	24	19	V	0.05	1.9	2.55	131
180970073	2013	12	24	20	V	0.03	0.8	3.15	137
180970073	2013	12	24	21	V	0.03	0.7	2.89	131
180970073	2013	12	24	22	V	0.03	0.6	3.81	133
180970073	2013	12	24	23	V	0.03	0.7	4	135
180970073	2013	12	24	24	V	0.03	0.8	4.8	135

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	25	1	V	0.03	0.8	4.07	152
180970073	2013	12	25	2	V	0.03	0.8	4.05	168
180970073	2013	12	25	3	V	0.03	0.9	4.36	156
180970073	2013	12	25	4	V	0.03	1.2	4.44	150
180970073	2013	12	25	5	V	0.03	1.1	5.21	159
180970073	2013	12	25	6	V	0.03	0.9	5.72	165
180970073	2013	12	25	7	V	0.03	1	5.7	165
180970073	2013	12	25	8	V	0.04	0.7	6.18	171
180970073	2013	12	25	9	V	0.02	0.9	6.24	171
180970073	2013	12	25	10	V	0.02	1	5.72	177
180970073	2013	12	25	11	V	0.02	1.3	6.5	183
180970073	2013	12	25	12	V	0.01	2	5.99	198
180970073	2013	12	25	13	V	0.02	2.3	5.38	214
180970073	2013	12	25	14	V	0.01	3.2	4.73	210
180970073	2013	12	25	15	V	0.03	3.7	4.95	212
180970073	2013	12	25	16	V	0.5	5	4.83	221
180970073	2013	12	25	17	V	0.5	6.9	4.9	221
180970073	2013	12	25	18	V	0.3	6.2	4.94	220
180970073	2013	12	25	19	V	0.03	5.4	3.97	211
180970073	2013	12	25	20	V	0.03	5.8	3.69	214
180970073	2013	12	25	21	V	0.03	4.7	4.05	209
180970073	2013	12	25	22	V	0.03	4.9	4.27	210
180970073	2013	12	25	23	V	2.9	6.3	5.43	224
180970073	2013	12	25	24	V	18.4	23	5.73	231
180970073	2013	12	26	1	V	15.6	22.5	7.04	235
180970073	2013	12	26	2	V	4.7	3.5	7.99	254
180970073	2013	12	26	3	V	0.1	1.6	7.67	267
180970073	2013	12	26	4	V	0.1	1.3	7.43	267
180970073	2013	12	26	5	V	0.2	0.7	6.13	265
180970073	2013	12	26	6	V	0.02	0.9	8.03	277
180970073	2013	12	26	7	V	0.02	0.8	5.38	273
180970073	2013	12	26	8	V	2.5	0.5	4.17	260
180970073	2013	12	26	9	V	3.1	0.6	4.27	258
180970073	2013	12	26	10	V	0.2	0.7	5.04	266
180970073	2013	12	26	11	V	0.03	0.7	6.36	273
180970073	2013	12	26	12	V	2.1	1	5	258
180970073	2013	12	26	13	V	4.8	1.6	4.03	245
180970073	2013	12	26	14	V	14.3	1	3.4	226
180970073	2013	12	26	15	V	0.2	16	3.71	220
180970073	2013	12	26	16	V	0.07	16.9	2.89	220
180970073	2013	12	26	17	V	0.04	3.6	3.17	210
180970073	2013	12	26	18	V	0.04	1.2	3.93	201
180970073	2013	12	26	19	V	0.05	0.8	4.09	200
180970073	2013	12	26	20	V	0.05	0.8	3.83	200
180970073	2013	12	26	21	V	0.04	2	4.34	198
180970073	2013	12	26	22	V	0.04	4.1	4.88	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	26	23	V	0.04	4.4	4.75	202
180970073	2013	12	26	24	V	0.03	3.1	3.88	211
180970073	2013	12	27	1	V	0.04	2.7	4.75	210
180970073	2013	12	27	2	V	0.04	5.3	5.29	205
180970073	2013	12	27	3	V	0.04	5.5	4.48	207
180970073	2013	12	27	4	V	0.03	5.2	3.97	210
180970073	2013	12	27	5	V	20.1	4.8	4.32	229
180970073	2013	12	27	6	V	0.09	6.9	4.24	221
180970073	2013	12	27	7	V	2.8	13.6	4.36	225
180970073	2013	12	27	8	V	0.3	6	3.58	215
180970073	2013	12	27	9	V	24.0	9	3.06	226
180970073	2013	12	27	10	V	30.5	31.2	3.86	237
180970073	2013	12	27	11	V	13.6	30.3	4.17	225
180970073	2013	12	27	12	V	28.2	42.3	3.85	229
180970073	2013	12	27	13	V	5.1	35.6	3.52	219
180970073	2013	12	27	14	V	0.2	6.8	3.56	201
180970073	2013	12	27	15	V	3.3	5.3	4.9	224
180970073	2013	12	27	16	V	2.3	4.6	6.07	224
180970073	2013	12	27	17	V	3.7	5	5.17	225
180970073	2013	12	27	18	V	0.4	3.5	4.02	223
180970073	2013	12	27	19	V	1.9	3.2	3.83	225
180970073	2013	12	27	20	V	0.04	7.2	3.4	213
180970073	2013	12	27	21	V	0.03	5.2	4.19	216
180970073	2013	12	27	22	V	0.03	3.3	4.95	210
180970073	2013	12	27	23	V	0.03	2.4	4.7	210
180970073	2013	12	27	24	V	0.03	3.1	4.05	216
180970073	2013	12	28	1	V	0.03	5	4.17	217
180970073	2013	12	28	2	V	0.02	5.1	4.03	211
180970073	2013	12	28	3	V	0.02	3.9	4.19	211
180970073	2013	12	28	4	V	0.02	4	4.26	217
180970073	2013	12	28	5	V	4.5	5.9	4.54	227
180970073	2013	12	28	6	V	0.04	5.7	4.1	221
180970073	2013	12	28	7	V	0.07	5.7	3.76	222
180970073	2013	12	28	8	V	0.06	4.7	3.93	212
180970073	2013	12	28	9	V	0.2	4.6	3.03	184
180970073	2013	12	28	10	V	0.1	3.7	3.73	203
180970073	2013	12	28	11	V	0.2	8.7	3.3	201
180970073	2013	12	28	12	V	0.2	18.1	3.25	191
180970073	2013	12	28	13	V	0.09	6.5	4.15	189
180970073	2013	12	28	14	V	0.03	2.7	5.33	189
180970073	2013	12	28	15	V	0.05	2.8	5.73	215
180970073	2013	12	28	16	V	0.08	2.6	4.32	220
180970073	2013	12	28	17	V	0.02	3.2	5	193
180970073	2013	12	28	18	V	0.02	5.6	5.05	182
180970073	2013	12	28	19	V	0.03	2.2	4.43	182
180970073	2013	12	28	20	V	0.03	2.6	4.37	184

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	28	21	V	0.04	2.6	3.54	184
180970073	2013	12	28	22	V	0.04	3.1	2.93	172
180970073	2013	12	28	23	V	0.04	-999	2.57	177
180970073	2013	12	28	24	V	0.03	2.9	3.05	158
180970073	2013	12	29	1	V	0.04	2.7	2.4	172
180970073	2013	12	29	2	V	0.04	2.4	2.64	172
180970073	2013	12	29	3	V	0.05	2.2	2.2	154
180970073	2013	12	29	4	V	0.03	2	3.08	166
180970073	2013	12	29	5	V	0.03	1.9	2.81	189
180970073	2013	12	29	6	V	0.03	2.1	2.64	194
180970073	2013	12	29	7	V	0.03	1.9	3.08	214
180970073	2013	12	29	8	V	0.04	2.1	3.06	209
180970073	2013	12	29	9	V	0.6	1.7	3.44	216
180970073	2013	12	29	10	V	2.7	4.8	3.95	219
180970073	2013	12	29	11	V	13.7	16.2	5.8	229
180970073	2013	12	29	12	V	1.8	13.8	6.74	247
180970073	2013	12	29	13	V	0.3	3.6	7.98	261
180970073	2013	12	29	14	V	0.01	2.2	8.98	283
180970073	2013	12	29	15	V	0.03	0.9	7.65	285
180970073	2013	12	29	16	V	0.04	0.4	6.64	283
180970073	2013	12	29	17	V	0.03	0.4	7.5	285
180970073	2013	12	29	18	V	0.04	0.2	5.92	276
180970073	2013	12	29	19	V	0.04	0.1	4.94	291
180970073	2013	12	29	20	V	0.04	0.2	6.6	319
180970073	2013	12	29	21	V	0.04	0.3	6.28	317
180970073	2013	12	29	22	V	0.04	0.3	5.82	316
180970073	2013	12	29	23	V	0.04	0.2	6.82	306
180970073	2013	12	29	24	V	0.04	0.2	6.99	303
180970073	2013	12	30	1	V	0.04	0	6.21	300
180970073	2013	12	30	2	V	0.04	0	6.47	303
180970073	2013	12	30	3	V	0.04	0	6.16	301
180970073	2013	12	30	4	V	0.04	0.1	5.75	297
180970073	2013	12	30	5	V	0.04	0.1	5.53	294
180970073	2013	12	30	6	V	0.04	0.1	4.73	292
180970073	2013	12	30	7	V	0.04	0.4	5.24	293
180970073	2013	12	30	8	V	0.1	0.4	4.2	305
180970073	2013	12	30	9	V	0.2	0.3	3.63	304
180970073	2013	12	30	10	V	0.3	0.3	2.66	307
180970073	2013	12	30	11	V	0.3	0.3	2.78	328
180970073	2013	12	30	12	V	0.4	0.3	2.18	311
180970073	2013	12	30	13	V	0.2	0.4	2.59	319
180970073	2013	12	30	14	V	2.9	0.4	2.03	262
180970073	2013	12	30	15	V	6.6	1.2	2.13	255
180970073	2013	12	30	16	V	6.9	3.2	2.28	240
180970073	2013	12	30	17	V	6.0	13.7	3.32	255
180970073	2013	12	30	18	V	2.0	15.7	3.2	258

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970073	2013	12	30	19	V	0.1	1.8	1.96	267
180970073	2013	12	30	20	V	10.9	2.6	2.28	251
180970073	2013	12	30	21	V	3.5	1.6	3.8	245
180970073	2013	12	30	22	V	0.05	2.5	3.95	216
180970073	2013	12	30	23	V	0.04	1.6	4.61	213
180970073	2013	12	30	24	V	26.4	24.6	4.9	230
180970073	2013	12	31	1	V	3.8	17.6	5.16	244
180970073	2013	12	31	2	V	5.8	6.4	5.45	249
180970073	2013	12	31	3	V	6.4	4.5	5.41	251
180970073	2013	12	31	4	V	6.2	6.4	5.63	252
180970073	2013	12	31	5	V	6.5	4.1	5.24	252
180970073	2013	12	31	6	V	0.04	3.7	5.79	273
180970073	2013	12	31	7	V	0.04	2.1	6.19	292
180970073	2013	12	31	8	V	0.05	1.8	5.44	279
180970073	2013	12	31	9	V	0.06	1.7	6.4	269
180970073	2013	12	31	10	V	0.3	1.5	7.5	261
180970073	2013	12	31	11	V	0.5	1.5	7.54	260
180970073	2013	12	31	12	V	0.03	1.5	6.64	269
180970073	2013	12	31	13	V	0.4	1.5	5.85	262
180970073	2013	12	31	14	V	3.5	3.9	4.99	249
180970073	2013	12	31	15	V	21.9	9	4.77	230
180970073	2013	12	31	16	V	28.5	17.9	4.98	233
180970073	2013	12	31	17	V	5.1	9.9	3.86	240
180970073	2013	12	31	18	V	0.07	7.7	2.36	207
180970073	2013	12	31	19	V	0.06	4.6	2.36	183
180970073	2013	12	31	20	V	0.05	5.5	2.86	167
180970073	2013	12	31	21	V	0.04	2.7	2.86	159
180970073	2013	12	31	22	V	0.04	1.6	4.36	182
180970073	2013	12	31	23	V	0.05	2.1	2.36	354
180970073	2013	12	31	24	C	-999	2.1	0	0
180970078	2011	1	1	1	V	0.04	2.2	4.36	161
180970078	2011	1	1	2	V	0.04	2.4	3.79	152
180970078	2011	1	1	3	V	12.7	2.3	2.62	208
180970078	2011	1	1	4	V	0.03	2.3	3.95	268
180970078	2011	1	1	5	V	0.03	2.2	5.17	276
180970078	2011	1	1	6	V	0.03	2.1	6.11	295
180970078	2011	1	1	7	V	0.03	1.8	5.04	282
180970078	2011	1	1	8	V	0.04	1.3	3.95	277
180970078	2011	1	1	9	V	0.03	1.3	5.05	259
180970078	2011	1	1	10	V	0.03	1.5	5.7	262
180970078	2011	1	1	11	V	0.01	2	7.31	260
180970078	2011	1	1	12	V	0.05	2	7.23	251
180970078	2011	1	1	13	V	0.05	1.9	7.2	251
180970078	2011	1	1	14	V	0.01	1.8	8.79	259
180970078	2011	1	1	15	V	0.03	1.4	7.86	270
180970078	2011	1	1	16	V	0.02	1.4	7.98	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	1	17	V	0.03	1.3	6.63	262
180970078	2011	1	1	18	V	0.2	1.2	7.33	252
180970078	2011	1	1	19	V	0.03	1.4	6.18	268
180970078	2011	1	1	20	V	0.03	1.2	6.6	270
180970078	2011	1	1	21	V	0.03	1.4	6.35	274
180970078	2011	1	1	22	V	0.03	1.2	6.82	271
180970078	2011	1	1	23	V	0.02	1.3	6.57	274
180970078	2011	1	1	24	V	0.02	1.3	4.97	269
180970078	2011	1	2	1	V	0.02	1.4	5.99	271
180970078	2011	1	2	2	V	0.02	1.3	4.78	268
180970078	2011	1	2	3	V	0.02	1.5	4.37	265
180970078	2011	1	2	4	V	0.02	1.2	3.86	272
180970078	2011	1	2	5	V	0.03	1.4	3.2	273
180970078	2011	1	2	6	V	0.3	1.2	2.95	252
180970078	2011	1	2	7	V	0.04	1.5	3.1	262
180970078	2011	1	2	8	V	0.2	1.5	2.72	261
180970078	2011	1	2	9	V	0.2	1.5	3.27	265
180970078	2011	1	2	10	V	0.06	1.4	5.16	283
180970078	2011	1	2	11	V	0.09	1.6	4.68	282
180970078	2011	1	2	12	V	0.1	1.5	4.22	276
180970078	2011	1	2	13	V	0.06	1.5	4.71	266
180970078	2011	1	2	14	V	0.05	1.7	4.87	257
180970078	2011	1	2	15	V	0.1	1.4	5.6	256
180970078	2011	1	2	16	V	0.2	1.6	5.46	245
180970078	2011	1	2	17	V	0.1	1.5	5.68	237
180970078	2011	1	2	18	V	0.1	1.4	5.28	236
180970078	2011	1	2	19	V	15.4	1.8	4.07	220
180970078	2011	1	2	20	V	18.4	1.7	3.64	219
180970078	2011	1	2	21	V	4.2	1.8	3.75	205
180970078	2011	1	2	22	V	25.3	3.3	4.15	209
180970078	2011	1	2	23	V	5.7	4.4	4.44	205
180970078	2011	1	2	24	V	23.9	6	4.2	210
180970078	2011	1	3	1	V	4.3	8	3.69	225
180970078	2011	1	3	2	V	29.0	5.6	3.32	213
180970078	2011	1	3	3	V	0.02	5.8	3.61	187
180970078	2011	1	3	4	V	0.03	5.5	3.81	198
180970078	2011	1	3	5	V	9.0	5	4.54	206
180970078	2011	1	3	6	V	24.0	5.5	4.27	209
180970078	2011	1	3	7	V	0.6	8.6	3.95	202
180970078	2011	1	3	8	V	5.8	9.5	4.29	202
180970078	2011	1	3	9	V	5.7	9.2	4.6	202
180970078	2011	1	3	10	V	21.2	14.5	5.58	213
180970078	2011	1	3	11	V	6.7	22.4	6.74	221
180970078	2011	1	3	12	V	21.0	21.3	5.58	212
180970078	2011	1	3	13	V	23.2	24.3	5.14	216
180970078	2011	1	3	14	V	18.1	46.1	6.02	215

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	3	15	V	2.1	23.2	7.93	229
180970078	2011	1	3	16	V	3.0	-999	7.08	227
180970078	2011	1	3	17	V	11.8	9.7	5.58	206
180970078	2011	1	3	18	V	0.04	10.4	4.53	190
180970078	2011	1	3	19	V	0.04	5.1	4.2	193
180970078	2011	1	3	20	V	0.04	4.1	3.59	188
180970078	2011	1	3	21	V	0.04	4.2	4.43	183
180970078	2011	1	3	22	V	0.03	3.7	4.86	189
180970078	2011	1	3	23	V	1.1	3.3	5.96	201
180970078	2011	1	3	24	V	0.05	3	4.86	197
180970078	2011	1	4	1	V	0.03	4	4.36	196
180970078	2011	1	4	2	V	0.1	4.1	4.36	196
180970078	2011	1	4	3	V	19.9	6.8	4.36	208
180970078	2011	1	4	4	V	0.09	15.5	5.36	239
180970078	2011	1	4	5	V	0.5	9.4	4.36	231
180970078	2011	1	4	6	V	0.3	5.6	4.36	252
180970078	2011	1	4	7	V	0.3	3.7	3.86	246
180970078	2011	1	4	8	V	0.2	2.9	3.86	238
180970078	2011	1	4	9	V	1.5	2.7	3.36	236
180970078	2011	1	4	10	V	0.03	4.9	5.96	267
180970078	2011	1	4	11	V	0.03	6.2	6.46	267
180970078	2011	1	4	12	V	0.01	5.3	10.06	283
180970078	2011	1	4	13	V	0.01	3.6	8.96	275
180970078	2011	1	4	14	V	0.01	2.8	7.96	282
180970078	2011	1	4	15	V	0.04	1.7	8.46	271
180970078	2011	1	4	16	V	0.03	1.9	7.96	270
180970078	2011	1	4	17	V	0.03	2.1	6.96	283
180970078	2011	1	4	18	V	0.03	2.2	6.46	269
180970078	2011	1	4	19	V	0.03	1.9	4.86	277
180970078	2011	1	4	20	V	0.03	1.7	5.11	274
180970078	2011	1	4	21	V	0.03	1.2	3.74	278
180970078	2011	1	4	22	V	0.06	1	2.84	300
180970078	2011	1	4	23	V	0.05	1.2	3.05	324
180970078	2011	1	4	24	V	0.08	1.1	2.25	339
180970078	2011	1	5	1	V	0.1	1.1	1.96	346
180970078	2011	1	5	2	V	1.0	1.1	0.94	254
180970078	2011	1	5	3	V	18.6	1.2	0.92	225
180970078	2011	1	5	4	V	0.4	2.1	1.54	244
180970078	2011	1	5	5	V	0.3	2.2	1.48	285
180970078	2011	1	5	6	V	0.3	2.2	1.84	244
180970078	2011	1	5	7	V	0.9	2	1.01	256
180970078	2011	1	5	8	V	19.3	2.4	1.86	218
180970078	2011	1	5	9	V	22.9	2.9	1.37	201
180970078	2011	1	5	10	V	0.9	3.2	1.93	178
180970078	2011	1	5	11	V	6.7	4.3	1.84	192
180970078	2011	1	5	12	V	1.0	15.9	1.96	156

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	5	13	V	2.3	19.3	1.25	130
180970078	2011	1	5	14	V	12.7	21	2.27	201
180970078	2011	1	5	15	V	0.07	51.1	2.67	189
180970078	2011	1	5	16	V	0.06	-999	2.47	189
180970078	2011	1	5	17	V	0.07	63.6	2.27	177
180970078	2011	1	5	18	V	0.07	34.4	2.22	174
180970078	2011	1	5	19	V	0.06	13.8	2.46	173
180970078	2011	1	5	20	V	0.05	9	3	173
180970078	2011	1	5	21	V	0.05	6	3	165
180970078	2011	1	5	22	V	2.3	4.2	3.17	203
180970078	2011	1	5	23	V	20.3	4.5	3.34	219
180970078	2011	1	5	24	V	6.4	4.3	3.44	225
180970078	2011	1	6	1	V	6.5	4.1	4.34	225
180970078	2011	1	6	2	V	2.7	4.1	5.28	228
180970078	2011	1	6	3	V	0.2	3.4	4.03	236
180970078	2011	1	6	4	V	0.5	3.2	4.27	233
180970078	2011	1	6	5	V	1.0	3.7	4.46	231
180970078	2011	1	6	6	V	5.0	4.1	4.09	226
180970078	2011	1	6	7	V	0.2	4.7	4.75	237
180970078	2011	1	6	8	V	0.2	4.1	5.34	246
180970078	2011	1	6	9	V	0.2	3.6	4.75	246
180970078	2011	1	6	10	V	0.06	3.6	4.46	259
180970078	2011	1	6	11	V	0.05	3.1	4.32	263
180970078	2011	1	6	12	V	0.09	2.6	5.39	252
180970078	2011	1	6	13	V	0.02	2.1	6.67	277
180970078	2011	1	6	14	V	0.02	1.8	5.73	289
180970078	2011	1	6	15	V	0.04	1.7	8.01	297
180970078	2011	1	6	16	V	0.04	1.3	7.11	282
180970078	2011	1	6	17	V	0.04	1.1	6.92	274
180970078	2011	1	6	18	V	0.03	1.3	7.23	278
180970078	2011	1	6	19	V	0.04	1.4	6.11	281
180970078	2011	1	6	20	V	0.03	1.4	6.35	290
180970078	2011	1	6	21	V	0.03	1.3	4.53	280
180970078	2011	1	6	22	V	0.4	1.2	3.95	247
180970078	2011	1	6	23	V	0.1	1.2	3.78	242
180970078	2011	1	6	24	V	0.08	1.2	4.61	258
180970078	2011	1	7	1	V	0.04	1.2	3.63	273
180970078	2011	1	7	2	V	0.04	1.4	3.49	286
180970078	2011	1	7	3	V	0.04	1.2	3.86	288
180970078	2011	1	7	4	V	0.05	1.4	2.64	282
180970078	2011	1	7	5	V	0.3	1.3	3.23	251
180970078	2011	1	7	6	V	0.3	1.3	2.84	251
180970078	2011	1	7	7	V	6.2	1.4	2.49	225
180970078	2011	1	7	8	V	0.3	1.7	2.84	239
180970078	2011	1	7	9	V	0.9	1.5	1.57	252
180970078	2011	1	7	10	V	0.9	1.4	2.13	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	7	11	V	0.6	1.5	1.93	285
180970078	2011	1	7	12	V	0.4	1.3	2.38	272
180970078	2011	1	7	13	V	0.3	1.4	2.62	304
180970078	2011	1	7	14	V	0.1	1.3	3.74	337
180970078	2011	1	7	15	V	0.06	1.4	3.78	318
180970078	2011	1	7	16	V	0.04	1.7	5.38	293
180970078	2011	1	7	17	V	0.04	1.7	4.42	285
180970078	2011	1	7	18	V	0.05	1.5	4.02	264
180970078	2011	1	7	19	V	0.04	1.5	5.46	266
180970078	2011	1	7	20	V	0.04	1.5	6.16	289
180970078	2011	1	7	21	V	0.04	1.3	6.86	293
180970078	2011	1	7	22	V	0.03	1	6.02	299
180970078	2011	1	7	23	V	0.03	1.1	8.44	304
180970078	2011	1	7	24	V	0.04	1.1	5.77	296
180970078	2011	1	8	1	V	0.03	1.2	5.53	285
180970078	2011	1	8	2	V	0.03	1	5.94	281
180970078	2011	1	8	3	V	0.04	1.1	5.48	287
180970078	2011	1	8	4	V	0.03	1.1	7.55	302
180970078	2011	1	8	5	V	0.03	1.2	8.1	301
180970078	2011	1	8	6	V	0.03	1.4	7.38	309
180970078	2011	1	8	7	V	0.03	1.5	7.43	302
180970078	2011	1	8	8	V	0.02	1.6	7.42	292
180970078	2011	1	8	9	V	0.03	1.5	6.24	293
180970078	2011	1	8	10	V	0.02	1.4	7.5	291
180970078	2011	1	8	11	V	0.02	1.4	7.55	296
180970078	2011	1	8	12	V	0.02	1.3	7.5	286
180970078	2011	1	8	13	V	0.01	1.4	8.2	296
180970078	2011	1	8	14	V	0.01	1.4	7.42	292
180970078	2011	1	8	15	V	0.04	1.3	7.23	287
180970078	2011	1	8	16	V	0.03	1.2	7.31	280
180970078	2011	1	8	17	V	0.04	1.1	6.5	267
180970078	2011	1	8	18	V	0.2	1.1	5.89	252
180970078	2011	1	8	19	V	0.1	1.3	5.51	241
180970078	2011	1	8	20	V	0.2	1.4	4.82	244
180970078	2011	1	8	21	V	0.05	1.6	3.98	259
180970078	2011	1	8	22	V	0.3	1.4	4.44	250
180970078	2011	1	8	23	V	0.2	1.7	4.46	254
180970078	2011	1	8	24	V	0.4	1.7	4.05	250
180970078	2011	1	9	1	V	0.05	2.5	3.91	258
180970078	2011	1	9	2	V	0.03	2.4	4	274
180970078	2011	1	9	3	V	0.04	2.3	3.3	266
180970078	2011	1	9	4	V	0.06	2.3	2.83	271
180970078	2011	1	9	5	V	0.06	2.4	2.78	288
180970078	2011	1	9	6	V	0.05	2.6	2.86	279
180970078	2011	1	9	7	V	0.2	2.6	1.76	270
180970078	2011	1	9	8	V	1.8	2.7	0.86	289

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	9	9	V	1.1	2.8	1.67	264
180970078	2011	1	9	10	V	11.8	2.8	3.13	227
180970078	2011	1	9	11	V	5.4	3.2	2.11	235
180970078	2011	1	9	12	V	8.0	5.3	1.04	241
180970078	2011	1	9	13	V	5.2	6.6	0.77	57
180970078	2011	1	9	14	V	1.1	5.9	1.26	101
180970078	2011	1	9	15	V	0.2	4.4	1.47	117
180970078	2011	1	9	16	V	0.3	3.3	1.47	134
180970078	2011	1	9	17	V	0.2	2.9	1.7	164
180970078	2011	1	9	18	V	0.05	2.8	2.89	158
180970078	2011	1	9	19	V	0.05	2.6	2.73	108
180970078	2011	1	9	20	V	0.06	2.7	2.33	100
180970078	2011	1	9	21	V	0.06	3	2.35	89
180970078	2011	1	9	22	V	0.05	3	2.66	83
180970078	2011	1	9	23	V	0.05	-999	3.1	68
180970078	2011	1	9	24	V	0.05	2.8	3.76	83
180970078	2011	1	10	1	V	0.05	1.6	3.42	101
180970078	2011	1	10	2	V	0.05	1.3	2.69	112
180970078	2011	1	10	3	V	0.05	1.4	2.37	89
180970078	2011	1	10	4	V	0.04	1.3	3.29	85
180970078	2011	1	10	5	V	0.04	1.4	3.95	80
180970078	2011	1	10	6	V	0.04	1.4	4.19	76
180970078	2011	1	10	7	V	0.04	1.2	4.2	78
180970078	2011	1	10	8	V	0.08	0.9	4.14	79
180970078	2011	1	10	9	V	0.1	1.2	4.24	79
180970078	2011	1	10	10	V	0.05	1.9	5.5	86
180970078	2011	1	10	11	V	0.03	2.8	6.46	91
180970078	2011	1	10	12	V	0.02	2.9	6.55	90
180970078	2011	1	10	13	V	0.02	2.9	6.41	103
180970078	2011	1	10	14	V	0.01	2.9	6.74	82
180970078	2011	1	10	15	V	0.05	3	6.6	81
180970078	2011	1	10	16	V	0.04	2.7	6.33	84
180970078	2011	1	10	17	V	0.04	2.1	6.38	81
180970078	2011	1	10	18	V	0.04	1.6	6.45	82
180970078	2011	1	10	19	V	0.04	1.4	6.04	82
180970078	2011	1	10	20	V	0.04	1.3	5.99	70
180970078	2011	1	10	21	V	0.04	1.3	6.55	72
180970078	2011	1	10	22	V	0.04	1.5	6.21	77
180970078	2011	1	10	23	V	0.05	1.3	5.28	77
180970078	2011	1	10	24	V	0.04	1.2	5.72	78
180970078	2011	1	11	1	V	0.04	1.2	5.62	83
180970078	2011	1	11	2	V	0.04	1.1	6.09	85
180970078	2011	1	11	3	V	0.04	1.3	5.07	83
180970078	2011	1	11	4	V	0.04	1.2	4.22	86
180970078	2011	1	11	5	V	0.04	1.3	3.98	85
180970078	2011	1	11	6	V	0.04	1.7	3.51	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	11	7	V	0.05	1.5	3.8	70
180970078	2011	1	11	8	V	0.07	1.6	3.57	84
180970078	2011	1	11	9	V	0.2	1.5	3.2	86
180970078	2011	1	11	10	V	0.4	1.8	2.27	85
180970078	2011	1	11	11	V	1.0	1.9	1.54	99
180970078	2011	1	11	12	V	4.3	2.2	0.67	100
180970078	2011	1	11	13	V	1.3	2.4	2.06	242
180970078	2011	1	11	14	V	0.2	2.9	4.63	249
180970078	2011	1	11	15	V	0.2	2.7	5.9	253
180970078	2011	1	11	16	V	0.04	2.7	6.09	273
180970078	2011	1	11	17	V	0.04	2.5	7.14	274
180970078	2011	1	11	18	V	0.04	2.2	7.06	277
180970078	2011	1	11	19	V	0.04	2	7.15	280
180970078	2011	1	11	20	V	0.04	1.8	7.18	276
180970078	2011	1	11	21	V	0.04	1.2	7.08	267
180970078	2011	1	11	22	V	0.03	1.4	7.77	268
180970078	2011	1	11	23	V	0.03	1.7	8.1	273
180970078	2011	1	11	24	V	0.03	1.4	8.5	277
180970078	2011	1	12	1	V	0.03	0.9	9.27	278
180970078	2011	1	12	2	V	0.03	1.2	8.5	285
180970078	2011	1	12	3	V	0.03	1.3	8.73	281
180970078	2011	1	12	4	V	0.03	1.3	8	278
180970078	2011	1	12	5	V	0.03	1	7.93	281
180970078	2011	1	12	6	V	0.03	1.1	9.05	285
180970078	2011	1	12	7	V	0.03	1	8.15	294
180970078	2011	1	12	8	V	0.04	1.2	8.35	293
180970078	2011	1	12	9	V	0.01	0.9	8.93	292
180970078	2011	1	12	10	V	0.01	1.2	9	294
180970078	2011	1	12	11	V	0.01	1.1	7.91	284
180970078	2011	1	12	12	V	0.01	1.1	8.1	284
180970078	2011	1	12	13	V	0.01	1.1	7.96	285
180970078	2011	1	12	14	V	0.01	1.1	8.08	286
180970078	2011	1	12	15	V	0.04	1.1	8.05	287
180970078	2011	1	12	16	V	0.04	1.1	7.76	286
180970078	2011	1	12	17	V	0.03	1.2	8.28	286
180970078	2011	1	12	18	V	0.03	1	8.03	277
180970078	2011	1	12	19	V	0.04	1.1	6.86	272
180970078	2011	1	12	20	V	0.04	1	6.43	269
180970078	2011	1	12	21	V	0.04	1	6.4	269
180970078	2011	1	12	22	V	0.04	0.9	6.67	274
180970078	2011	1	12	23	V	0.04	1.2	6.6	272
180970078	2011	1	12	24	V	0.04	1.2	6.91	269
180970078	2011	1	13	1	V	0.03	1.3	5.96	279
180970078	2011	1	13	2	V	0.03	1.1	5.6	271
180970078	2011	1	13	3	V	0.04	1.3	5	281
180970078	2011	1	13	4	V	0.04	1.1	4.58	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	13	5	V	0.05	1.1	4.32	268
180970078	2011	1	13	6	V	0.05	1.1	4.48	264
180970078	2011	1	13	7	V	0.05	1.1	4.48	264
180970078	2011	1	13	8	V	0.06	1.6	4.94	265
180970078	2011	1	13	9	V	0.2	2.1	4.73	250
180970078	2011	1	13	10	V	0.3	1.9	4.36	245
180970078	2011	1	13	11	V	1.2	1.9	4.02	236
180970078	2011	1	13	12	V	0.3	2.9	4.09	241
180970078	2011	1	13	13	V	0.2	2.8	4.87	244
180970078	2011	1	13	14	V	0.1	2.5	5.36	250
180970078	2011	1	13	15	V	0.2	3	5.36	245
180970078	2011	1	13	16	V	0.1	3.8	5.07	241
180970078	2011	1	13	17	V	0.1	3.3	4.48	237
180970078	2011	1	13	18	V	0.1	2.6	3.93	241
180970078	2011	1	13	19	V	34.1	2.1	2.88	216
180970078	2011	1	13	20	V	28.8	2.4	3.17	217
180970078	2011	1	13	21	V	24.2	3.8	3.49	218
180970078	2011	1	13	22	V	0.1	8	3.4	237
180970078	2011	1	13	23	V	9.9	9.4	3.17	206
180970078	2011	1	13	24	V	11.0	8.4	3.64	206
180970078	2011	1	14	1	V	23.9	7.9	3.56	209
180970078	2011	1	14	2	V	0.5	10.2	2.7	201
180970078	2011	1	14	3	V	0.05	9.5	2.86	168
180970078	2011	1	14	4	V	0.05	7.8	3.67	163
180970078	2011	1	14	5	V	0.05	6.3	3.4	170
180970078	2011	1	14	6	V	0.03	5.5	3.71	178
180970078	2011	1	14	7	V	0.04	4.3	3.25	165
180970078	2011	1	14	8	V	0.1	4	3.37	166
180970078	2011	1	14	9	V	0.2	4.1	3.68	173
180970078	2011	1	14	10	V	0.3	8.9	3.63	183
180970078	2011	1	14	11	V	13.0	19.4	4.29	204
180970078	2011	1	14	12	V	29.2	27.7	4.27	217
180970078	2011	1	14	13	V	0.4	31	4.31	239
180970078	2011	1	14	14	V	0.2	27.4	4.12	253
180970078	2011	1	14	15	V	0.3	26.5	3.57	252
180970078	2011	1	14	16	V	0.3	28.4	3.88	251
180970078	2011	1	14	17	V	0.3	26.2	3.52	247
180970078	2011	1	14	18	V	1.2	18.8	3.49	230
180970078	2011	1	14	19	V	31.0	12.7	3.76	216
180970078	2011	1	14	20	V	8.3	10.1	4.7	224
180970078	2011	1	14	21	V	8.3	7.5	3.93	224
180970078	2011	1	14	22	V	36.4	6.3	2.84	215
180970078	2011	1	14	23	V	0.3	6.9	3.41	200
180970078	2011	1	14	24	V	6.8	9.9	3.64	205
180970078	2011	1	15	1	V	1.7	13.3	3.52	203
180970078	2011	1	15	2	V	0.04	15.6	3.3	188

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	15	3	V	0.1	14.4	3.39	198
180970078	2011	1	15	4	V	26.8	14.8	4.73	213
180970078	2011	1	15	5	V	23.8	15.1	5.92	213
180970078	2011	1	15	6	V	21.0	15.9	5.53	217
180970078	2011	1	15	7	V	7.6	19.7	6.81	223
180970078	2011	1	15	8	V	0.8	19.1	7.77	232
180970078	2011	1	15	9	V	0.1	11.9	7.67	234
180970078	2011	1	15	10	V	0.02	10.4	7.26	239
180970078	2011	1	15	11	V	0.03	10.5	7.86	254
180970078	2011	1	15	12	V	0.01	7.7	7.77	272
180970078	2011	1	15	13	V	0.01	5.2	7.94	282
180970078	2011	1	15	14	V	0.01	4.3	6.84	302
180970078	2011	1	15	15	V	0.04	3.1	6.77	304
180970078	2011	1	15	16	V	0.04	2.8	6.4	312
180970078	2011	1	15	17	V	0.04	2.8	5.7	307
180970078	2011	1	15	18	V	0.04	2.3	4.97	307
180970078	2011	1	15	19	V	0.05	2	4.51	301
180970078	2011	1	15	20	V	0.05	1.9	4.02	293
180970078	2011	1	15	21	V	0.05	1.8	3.63	300
180970078	2011	1	15	22	V	0.05	1.8	3.52	303
180970078	2011	1	15	23	V	0.05	1.8	3.37	314
180970078	2011	1	15	24	V	0.04	2	3.47	317
180970078	2011	1	16	1	V	0.04	2.6	3.1	318
180970078	2011	1	16	2	V	0.05	2.5	2.88	297
180970078	2011	1	16	3	V	0.06	2.9	2.54	262
180970078	2011	1	16	4	V	0.2	3.1	1.59	280
180970078	2011	1	16	5	V	0.2	3.1	1.79	319
180970078	2011	1	16	6	V	0.1	3.1	1.81	330
180970078	2011	1	16	7	V	0.2	3.2	1.72	14
180970078	2011	1	16	8	V	0.4	3.3	2.2	5
180970078	2011	1	16	9	V	2.7	3.6	0.77	271
180970078	2011	1	16	10	V	3.7	3.5	0.72	26
180970078	2011	1	16	11	V	2.9	3.5	0.87	113
180970078	2011	1	16	12	V	0.4	3.1	2.45	87
180970078	2011	1	16	13	V	1.5	3.6	1.45	72
180970078	2011	1	16	14	V	0.3	3.3	2.23	98
180970078	2011	1	16	15	V	0.06	2.6	2.2	92
180970078	2011	1	16	16	V	0.08	2.7	2.04	101
180970078	2011	1	16	17	V	0.06	2.2	2.38	98
180970078	2011	1	16	18	V	0.05	1.9	2.59	94
180970078	2011	1	16	19	V	0.04	1.8	3.51	113
180970078	2011	1	16	20	V	0.05	1.9	2.89	109
180970078	2011	1	16	21	V	0.03	2	3.41	83
180970078	2011	1	16	22	V	0.04	1.9	4.17	79
180970078	2011	1	16	23	V	0.04	-999	3.52	85
180970078	2011	1	16	24	V	0.03	1.9	3.54	86

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	17	1	V	0.03	1.4	3.73	90
180970078	2011	1	17	2	V	0.04	1.6	4.25	106
180970078	2011	1	17	3	V	0.04	1.6	4.36	117
180970078	2011	1	17	4	V	0.03	1.4	4.95	124
180970078	2011	1	17	5	V	0.04	1.1	4.27	117
180970078	2011	1	17	6	V	0.04	1.3	3.85	112
180970078	2011	1	17	7	V	0.04	1.2	4.49	114
180970078	2011	1	17	8	V	0.07	1.9	4.32	116
180970078	2011	1	17	9	V	0.2	2.5	3.13	133
180970078	2011	1	17	10	V	0.07	3.6	4.75	132
180970078	2011	1	17	11	V	0.08	5.1	4.7	130
180970078	2011	1	17	12	V	0.06	7.3	5.05	122
180970078	2011	1	17	13	V	0.05	9.7	5.24	129
180970078	2011	1	17	14	V	0.05	12.3	4.94	136
180970078	2011	1	17	15	V	0.06	10.3	5.16	136
180970078	2011	1	17	16	V	0.04	7.6	5.67	135
180970078	2011	1	17	17	V	0.04	5.7	5.77	134
180970078	2011	1	17	18	V	0.04	4.3	5.67	139
180970078	2011	1	17	19	V	0.04	3.6	5.6	133
180970078	2011	1	17	20	V	0.04	3.6	6.23	142
180970078	2011	1	17	21	V	0.04	3.6	6.06	149
180970078	2011	1	17	22	V	0.05	3.4	4.44	152
180970078	2011	1	17	23	V	0.04	3.2	4.2	140
180970078	2011	1	17	24	V	0.04	2.4	4.14	144
180970078	2011	1	18	1	V	0.04	2.3	4.29	152
180970078	2011	1	18	2	V	0.04	2.3	4.09	158
180970078	2011	1	18	3	V	0.04	2.3	4.17	166
180970078	2011	1	18	4	V	0.04	2.3	3.54	165
180970078	2011	1	18	5	V	0.04	2.1	4.14	176
180970078	2011	1	18	6	V	0.04	2.3	3.57	185
180970078	2011	1	18	7	V	0.04	2.4	3.03	187
180970078	2011	1	18	8	V	0.07	2.4	2.81	186
180970078	2011	1	18	9	V	21.3	2.5	1.84	223
180970078	2011	1	18	10	V	1.6	3.4	1.14	285
180970078	2011	1	18	11	V	1.6	3.6	1.23	301
180970078	2011	1	18	12	V	0.3	3.8	2.86	299
180970078	2011	1	18	13	V	0.2	3.4	3.69	323
180970078	2011	1	18	14	V	0.1	2.8	4.03	325
180970078	2011	1	18	15	V	0.06	2.6	4.87	332
180970078	2011	1	18	16	V	0.04	2.4	5.1	332
180970078	2011	1	18	17	V	0.04	2.3	5.11	332
180970078	2011	1	18	18	V	0.04	2.2	5.55	340
180970078	2011	1	18	19	V	0.05	2	5.39	340
180970078	2011	1	18	20	V	0.05	1.6	5.33	334
180970078	2011	1	18	21	V	0.04	1.1	5.84	324
180970078	2011	1	18	22	V	0.04	1.1	6.4	335

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	18	23	V	0.04	1.1	6.06	335
180970078	2011	1	18	24	V	0.05	1.1	4.78	338
180970078	2011	1	19	1	V	0.04	0.8	4.83	330
180970078	2011	1	19	2	V	0.04	1.1	4.97	319
180970078	2011	1	19	3	V	0.04	1.2	4.88	320
180970078	2011	1	19	4	V	0.04	1.3	5.28	332
180970078	2011	1	19	5	V	0.04	1.3	5	331
180970078	2011	1	19	6	V	0.04	1.2	4.44	333
180970078	2011	1	19	7	V	0.04	1.2	5.24	329
180970078	2011	1	19	8	V	0.06	1	4.43	333
180970078	2011	1	19	9	V	0.05	1.2	5.11	329
180970078	2011	1	19	10	V	0.1	1.3	3.85	334
180970078	2011	1	19	11	V	0.4	1.3	2.38	320
180970078	2011	1	19	12	V	0.3	1.3	2.78	294
180970078	2011	1	19	13	V	0.2	1.3	3.3	280
180970078	2011	1	19	14	V	0.1	1.1	3.92	286
180970078	2011	1	19	15	V	0.06	1.2	4.6	286
180970078	2011	1	19	16	V	0.04	1.2	4.43	290
180970078	2011	1	19	17	V	0.05	1.3	3.8	287
180970078	2011	1	19	18	V	0.05	1.1	3.8	280
180970078	2011	1	19	19	V	0.05	1.2	4.41	284
180970078	2011	1	19	20	V	0.05	1	4.24	310
180970078	2011	1	19	21	V	0.05	1.2	3.12	304
180970078	2011	1	19	22	V	0.1	1.2	1.87	296
180970078	2011	1	19	23	V	0.04	1.1	3.1	292
180970078	2011	1	19	24	V	0.04	1.1	3.4	329
180970078	2011	1	20	1	V	0.04	1.4	2.69	345
180970078	2011	1	20	2	V	0.08	1.2	1.94	6
180970078	2011	1	20	3	V	0.05	1	2.4	5
180970078	2011	1	20	4	V	0.04	1	2.69	353
180970078	2011	1	20	5	V	0.04	1	3.56	342
180970078	2011	1	20	6	V	0.04	1.3	3.85	343
180970078	2011	1	20	7	V	0.05	1.3	3.1	347
180970078	2011	1	20	8	V	0.07	1.1	3.32	351
180970078	2011	1	20	9	V	0.2	1.1	3.1	12
180970078	2011	1	20	10	V	0.3	1.1	3.03	10
180970078	2011	1	20	11	V	0.1	0.7	3.56	357
180970078	2011	1	20	12	V	0.1	0.9	3.17	349
180970078	2011	1	20	13	V	0.1	1	3.2	345
180970078	2011	1	20	14	V	0.04	1	4.36	328
180970078	2011	1	20	15	V	0.05	1	5.56	324
180970078	2011	1	20	16	V	0.04	0.7	5.02	310
180970078	2011	1	20	17	V	0.04	0.9	4.95	300
180970078	2011	1	20	18	V	0.04	1	4.41	289
180970078	2011	1	20	19	V	0.04	0.8	4.15	267
180970078	2011	1	20	20	V	0.04	1	5.17	264

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	20	21	V	0.03	1	6.92	268
180970078	2011	1	20	22	V	0.03	1	6.72	266
180970078	2011	1	20	23	V	0.04	0.9	6	265
180970078	2011	1	20	24	V	0.03	1.2	6.46	288
180970078	2011	1	21	1	V	0.03	1.8	6.46	289
180970078	2011	1	21	2	V	0.03	1.5	5.96	280
180970078	2011	1	21	3	V	0.03	1.4	7.46	289
180970078	2011	1	21	4	V	0.03	1.5	5.96	290
180970078	2011	1	21	5	V	0.02	1.4	6.96	287
180970078	2011	1	21	6	V	0.03	1.5	6	286
180970078	2011	1	21	7	V	0.03	1.6	5.5	287
180970078	2011	1	21	8	V	0.07	1.8	4.51	291
180970078	2011	1	21	9	V	0.3	1.8	3.68	290
180970078	2011	1	21	10	V	0.3	1.7	3.69	296
180970078	2011	1	21	11	V	0.2	1.4	4	295
180970078	2011	1	21	12	V	0.2	1.6	3.98	313
180970078	2011	1	21	13	V	0.4	1.5	3.12	300
180970078	2011	1	21	14	V	0.6	1.6	2.28	309
180970078	2011	1	21	15	V	0.07	2	2.83	275
180970078	2011	1	21	16	V	0.05	1.9	3.12	288
180970078	2011	1	21	17	V	0.05	2	2.76	294
180970078	2011	1	21	18	V	0.09	2	2.69	256
180970078	2011	1	21	19	V	0.1	2.3	2.16	305
180970078	2011	1	21	20	V	0.2	2.2	1.57	358
180970078	2011	1	21	21	V	2.4	2.3	0.57	335
180970078	2011	1	21	22	V	2.0	2.3	0.67	26
180970078	2011	1	21	23	V	2.1	2.4	0.65	7
180970078	2011	1	21	24	V	0.3	2.8	1.47	104
180970078	2011	1	22	1	V	0.09	3.4	2.01	152
180970078	2011	1	22	2	V	0.05	2.7	2.83	151
180970078	2011	1	22	3	V	0.05	2.6	2.71	153
180970078	2011	1	22	4	V	0.04	2.8	3.25	148
180970078	2011	1	22	5	V	0.04	2.6	3.71	160
180970078	2011	1	22	6	V	0.05	2.2	3.35	159
180970078	2011	1	22	7	V	0.04	1.9	3.8	183
180970078	2011	1	22	8	V	0.06	2	3.91	171
180970078	2011	1	22	9	V	0.1	1.7	3.69	168
180970078	2011	1	22	10	V	0.2	1.5	3.52	187
180970078	2011	1	22	11	V	6.7	2.3	4.19	202
180970078	2011	1	22	12	V	2.2	24.1	4	198
180970078	2011	1	22	13	V	1.4	32.8	4.41	198
180970078	2011	1	22	14	V	0.1	40.2	6.67	235
180970078	2011	1	22	15	V	0.1	22.7	6.94	241
180970078	2011	1	22	16	V	0.1	10.5	5.9	238
180970078	2011	1	22	17	V	0.3	6.9	5.48	249
180970078	2011	1	22	18	V	0.1	4.5	5.6	255

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	22	19	V	0.2	3	5.36	246
180970078	2011	1	22	20	V	0.3	2.7	5.39	248
180970078	2011	1	22	21	V	0.05	2.7	4.2	269
180970078	2011	1	22	22	V	0.05	2	2.93	273
180970078	2011	1	22	23	V	0.05	1.9	2.54	279
180970078	2011	1	22	24	V	0.04	1.4	3.23	294
180970078	2011	1	23	1	V	0.04	1.6	3.51	313
180970078	2011	1	23	2	V	0.04	1.3	5.48	343
180970078	2011	1	23	3	V	0.04	1.5	4.17	358
180970078	2011	1	23	4	V	0.05	1.4	2.4	351
180970078	2011	1	23	5	V	0.08	1.3	2.1	350
180970078	2011	1	23	6	V	0.1	1.2	1.94	25
180970078	2011	1	23	7	V	0.7	1.2	1.03	46
180970078	2011	1	23	8	V	0.09	1.1	2.38	17
180970078	2011	1	23	9	V	0.1	1.2	3.85	36
180970078	2011	1	23	10	V	0.2	1.5	3.69	53
180970078	2011	1	23	11	V	0.2	1.2	3.83	61
180970078	2011	1	23	12	V	0.1	2.8	3.75	77
180970078	2011	1	23	13	V	0.06	2.5	4.53	84
180970078	2011	1	23	14	V	0.06	2.1	4.54	105
180970078	2011	1	23	15	V	0.06	1.9	4.17	110
180970078	2011	1	23	16	V	0.05	2	4.7	114
180970078	2011	1	23	17	V	0.04	1.9	4.78	102
180970078	2011	1	23	18	V	0.04	1.9	4.32	91
180970078	2011	1	23	19	V	0.05	1.5	4.83	91
180970078	2011	1	23	20	V	0.05	1.5	4.66	92
180970078	2011	1	23	21	V	0.05	1.3	4.66	103
180970078	2011	1	23	22	V	0.04	1.4	5.39	107
180970078	2011	1	23	23	V	0.04	-999	5.15	115
180970078	2011	1	23	24	V	0.04	1.8	5.82	119
180970078	2011	1	24	1	V	0.04	2.4	4.9	120
180970078	2011	1	24	2	V	0.04	2.1	4.87	121
180970078	2011	1	24	3	V	0.04	2.2	4.71	128
180970078	2011	1	24	4	V	0.04	2.5	5.09	131
180970078	2011	1	24	5	V	0.04	2.1	4.56	133
180970078	2011	1	24	6	V	0.04	1.9	4.51	131
180970078	2011	1	24	7	V	0.05	1.7	4.1	130
180970078	2011	1	24	8	V	0.07	2.2	4.24	130
180970078	2011	1	24	9	V	0.1	1.8	4	138
180970078	2011	1	24	10	V	0.1	2.2	4.22	143
180970078	2011	1	24	11	V	0.2	2.3	3.48	148
180970078	2011	1	24	12	V	0.3	2.2	2.86	168
180970078	2011	1	24	13	V	0.2	2.6	3.36	159
180970078	2011	1	24	14	V	0.2	3.2	3.36	187
180970078	2011	1	24	15	V	30.4	3.7	3.36	213
180970078	2011	1	24	16	V	23.7	5.1	3.86	218

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	24	17	V	23.7	7.8	3.86	218
180970078	2011	1	24	18	V	34.2	6.2	3.86	212
180970078	2011	1	24	19	V	35.4	7.4	3.86	212
180970078	2011	1	24	20	V	13.3	7.7	2.86	222
180970078	2011	1	24	21	V	34.6	9.6	3.54	215
180970078	2011	1	24	22	V	6.5	6.7	3.68	225
180970078	2011	1	24	23	V	0.1	5.5	4.53	241
180970078	2011	1	24	24	V	0.2	5	4.82	245
180970078	2011	1	25	1	V	0.1	3.3	3.3	241
180970078	2011	1	25	2	V	0.04	3.5	4.19	263
180970078	2011	1	25	3	V	0.03	2.8	5.22	270
180970078	2011	1	25	4	V	0.03	2.3	3.95	279
180970078	2011	1	25	5	V	0.05	1.9	2.49	293
180970078	2011	1	25	6	V	0.07	1.9	2.38	282
180970078	2011	1	25	7	V	0.05	2.3	2.79	293
180970078	2011	1	25	8	V	0.4	2.2	2.37	318
180970078	2011	1	25	9	V	1.2	2.2	1.28	340
180970078	2011	1	25	10	V	0.6	2.1	1.96	294
180970078	2011	1	25	11	V	2.1	2.1	1.23	311
180970078	2011	1	25	12	V	1.2	5.2	1.79	21
180970078	2011	1	25	13	V	0.3	8.6	2.9	329
180970078	2011	1	25	14	V	0.6	8.7	1.86	313
180970078	2011	1	25	15	V	0.2	7.9	2.47	324
180970078	2011	1	25	16	V	0.08	5.1	2.15	9
180970078	2011	1	25	17	V	0.04	3.8	4	9
180970078	2011	1	25	18	V	0.04	1.8	4.24	1
180970078	2011	1	25	19	V	0.05	1.3	4.12	26
180970078	2011	1	25	20	V	0.05	1.3	4.32	35
180970078	2011	1	25	21	V	0.05	1.1	3.86	38
180970078	2011	1	25	22	V	0.05	1.1	2.86	30
180970078	2011	1	25	23	V	0.05	1.4	3.49	12
180970078	2011	1	25	24	V	0.04	1.2	3.01	18
180970078	2011	1	26	1	V	0.04	0.9	3.93	13
180970078	2011	1	26	2	V	0.04	1.3	4.03	17
180970078	2011	1	26	3	V	0.04	1.4	3.9	9
180970078	2011	1	26	4	V	0.04	1.5	5.12	1
180970078	2011	1	26	5	V	0.04	1.5	5.43	2
180970078	2011	1	26	6	V	0.05	1.5	5.07	4
180970078	2011	1	26	7	V	0.05	1.1	4.94	6
180970078	2011	1	26	8	V	0.07	1.2	4.88	7
180970078	2011	1	26	9	V	0.1	1.4	4.14	6
180970078	2011	1	26	10	V	0.1	1.3	4.27	4
180970078	2011	1	26	11	V	0.2	1.4	3.81	353
180970078	2011	1	26	12	V	0.08	1.7	3.9	335
180970078	2011	1	26	13	V	0.04	2	4.85	318
180970078	2011	1	26	14	V	0.02	1.7	5.39	316

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	26	15	V	0.06	1.8	4.83	313
180970078	2011	1	26	16	V	0.05	1.7	4.61	318
180970078	2011	1	26	17	V	0.04	1.8	4.92	302
180970078	2011	1	26	18	V	0.04	1.7	4.39	287
180970078	2011	1	26	19	V	0.05	1.4	4.17	284
180970078	2011	1	26	20	V	0.05	1.3	4.22	285
180970078	2011	1	26	21	V	0.05	1.2	3.68	292
180970078	2011	1	26	22	V	0.04	1.3	3.69	273
180970078	2011	1	26	23	V	0.2	1.5	4.59	253
180970078	2011	1	26	24	V	0.2	1.4	4.17	242
180970078	2011	1	27	1	V	0.1	1.6	4.27	257
180970078	2011	1	27	2	V	0.04	1.7	4.85	264
180970078	2011	1	27	3	V	0.2	2	5.02	254
180970078	2011	1	27	4	V	0.04	2.1	5.31	265
180970078	2011	1	27	5	V	0.2	2.6	5.29	253
180970078	2011	1	27	6	V	0.1	3.3	5.56	237
180970078	2011	1	27	7	V	0.2	3.5	4.61	244
180970078	2011	1	27	8	V	9.1	3.5	5.46	224
180970078	2011	1	27	9	V	6.7	3.1	5.31	223
180970078	2011	1	27	10	V	22.0	2.8	4.95	217
180970078	2011	1	27	11	V	0.03	2.9	5.84	237
180970078	2011	1	27	12	V	0.3	2.7	6.04	231
180970078	2011	1	27	13	V	6.0	2.7	6.87	220
180970078	2011	1	27	14	V	6.7	4.6	6.16	208
180970078	2011	1	27	15	V	0.1	6.2	5.7	200
180970078	2011	1	27	16	V	25.1	8	5.89	213
180970078	2011	1	27	17	V	9.3	10.8	4.66	206
180970078	2011	1	27	18	V	29.6	9.9	3.95	215
180970078	2011	1	27	19	V	25.5	18.5	3.85	217
180970078	2011	1	27	20	V	14.5	18.8	4.15	221
180970078	2011	1	27	21	V	24.8	10.7	2.91	209
180970078	2011	1	27	22	V	29.4	7.6	2.47	217
180970078	2011	1	27	23	V	0.08	6.4	2.86	239
180970078	2011	1	27	24	V	0.04	4.4	3.59	269
180970078	2011	1	28	1	V	0.03	3.2	5.34	301
180970078	2011	1	28	2	V	0.03	2.3	5.73	306
180970078	2011	1	28	3	V	0.03	2.1	6.3	317
180970078	2011	1	28	4	V	0.03	1.8	5.63	314
180970078	2011	1	28	5	V	0.04	1.6	4.83	313
180970078	2011	1	28	6	V	0.04	1.6	4.12	311
180970078	2011	1	28	7	V	0.05	1.7	3.06	293
180970078	2011	1	28	8	V	0.08	1.7	3.1	299
180970078	2011	1	28	9	V	0.2	1.6	3.08	301
180970078	2011	1	28	10	V	0.08	1.7	3.71	307
180970078	2011	1	28	11	V	0.07	1.7	3.61	293
180970078	2011	1	28	12	V	0.2	2.6	2.95	272

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	28	13	V	0.08	2.8	3.22	283
180970078	2011	1	28	14	V	0.06	3.1	3.3	273
180970078	2011	1	28	15	V	0.08	4	2.81	276
180970078	2011	1	28	16	V	0.2	3.7	3.27	244
180970078	2011	1	28	17	V	0.2	3	2.83	244
180970078	2011	1	28	18	V	11.6	1.9	3.35	207
180970078	2011	1	28	19	V	42.7	2.7	2.69	212
180970078	2011	1	28	20	V	0.08	2.4	2.16	168
180970078	2011	1	28	21	V	0.04	2.3	2.93	172
180970078	2011	1	28	22	V	0.04	2.1	3.01	155
180970078	2011	1	28	23	V	0.03	2.1	3.71	185
180970078	2011	1	28	24	V	0.03	1.6	3.83	173
180970078	2011	1	29	1	V	0.03	1.7	2.88	160
180970078	2011	1	29	2	V	0.02	1.3	3.13	132
180970078	2011	1	29	3	V	0.02	1.4	3.69	156
180970078	2011	1	29	4	V	0.02	1.7	3.54	155
180970078	2011	1	29	5	V	0.02	1.5	4.68	180
180970078	2011	1	29	6	V	13.0	1.6	3.69	221
180970078	2011	1	29	7	V	0.2	2	4.49	235
180970078	2011	1	29	8	V	0.1	2.3	4.41	253
180970078	2011	1	29	9	V	0.09	2.3	4.75	256
180970078	2011	1	29	10	V	0.02	2.3	6.4	289
180970078	2011	1	29	11	V	0.01	1.9	7.71	302
180970078	2011	1	29	12	V	0.04	2	5.26	290
180970078	2011	1	29	13	V	0.06	4.1	4.83	306
180970078	2011	1	29	14	V	0.02	4.7	6.02	322
180970078	2011	1	29	15	V	0.04	4.1	4.66	301
180970078	2011	1	29	16	V	0.03	3	3.93	306
180970078	2011	1	29	17	V	0.03	2.5	3.56	306
180970078	2011	1	29	18	V	0.09	2.2	1.48	315
180970078	2011	1	29	19	V	0.04	1.9	2.35	296
180970078	2011	1	29	20	V	0.1	1.7	1.77	318
180970078	2011	1	29	21	V	0.08	1.5	1.89	1
180970078	2011	1	29	22	V	0.5	1.5	1.01	53
180970078	2011	1	29	23	V	3.1	1.5	1.37	202
180970078	2011	1	29	24	V	0.1	1.6	1.59	130
180970078	2011	1	30	1	V	0.3	1.6	1.16	23
180970078	2011	1	30	2	V	0.1	1.7	1.5	355
180970078	2011	1	30	3	V	0.4	1.6	1.11	353
180970078	2011	1	30	4	V	0.07	1.6	2.01	25
180970078	2011	1	30	5	V	0.03	1.6	2.86	33
180970078	2011	1	30	6	V	0.03	1.6	2.95	37
180970078	2011	1	30	7	V	0.03	1.2	2.76	48
180970078	2011	1	30	8	V	0.07	1.4	2.5	43
180970078	2011	1	30	9	V	0.06	1.3	4.05	42
180970078	2011	1	30	10	V	0.2	1.5	3.22	54

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	1	30	11	V	0.08	2.4	4.02	48
180970078	2011	1	30	12	V	0.03	2.9	5.33	62
180970078	2011	1	30	13	V	0.03	2.1	5.16	64
180970078	2011	1	30	14	V	0.04	3.3	4.42	54
180970078	2011	1	30	15	V	0.02	3.8	4.82	42
180970078	2011	1	30	16	V	0.02	3.5	5.19	49
180970078	2011	1	30	17	V	0.02	2.9	6.29	45
180970078	2011	1	30	18	V	0.02	2.2	5.67	40
180970078	2011	1	30	19	V	0.02	1.1	5.53	38
180970078	2011	1	30	20	V	0.02	0.9	4.85	41
180970078	2011	1	30	21	V	0.02	0.8	4.6	49
180970078	2011	1	30	22	V	0.03	0.7	4.22	59
180970078	2011	1	30	23	V	0.03	-999	5.44	67
180970078	2011	1	30	24	V	0.03	0.8	5.87	68
180970078	2011	1	31	1	V	0.03	0.9	6.41	55
180970078	2011	1	31	2	V	0.03	0.9	6.12	56
180970078	2011	1	31	3	V	0.03	0.9	6.16	58
180970078	2011	1	31	4	V	0.03	1	5.6	62
180970078	2011	1	31	5	V	0.03	1	5.65	59
180970078	2011	1	31	6	V	0.03	1	6.28	62
180970078	2011	1	31	7	V	0.04	0.8	5.87	72
180970078	2011	1	31	8	V	0.03	1	5.68	63
180970078	2011	1	31	9	V	0.02	1.1	6.48	69
180970078	2011	1	31	10	V	0.03	1.3	6.21	76
180970078	2011	1	31	11	V	0.01	1.6	7.35	79
180970078	2011	1	31	12	V	0.02	2	6.6	83
180970078	2011	1	31	13	V	0.02	2.5	6.52	81
180970078	2011	1	31	14	V	0.02	2.3	6.74	82
180970078	2011	1	31	15	V	0.05	2.2	6.62	90
180970078	2011	1	31	16	V	0.05	2.2	6.31	82
180970078	2011	1	31	17	V	0.05	1.7	5.04	73
180970078	2011	1	31	18	V	0.04	1.6	5.73	51
180970078	2011	1	31	19	V	0.04	1.1	6.48	64
180970078	2011	1	31	20	V	0.04	1	6.57	67
180970078	2011	1	31	21	V	0.04	0.9	6.91	88
180970078	2011	1	31	22	V	0.04	0.9	7.09	98
180970078	2011	1	31	23	V	0.04	1	5.38	100
180970078	2011	1	31	24	V	0.04	1.3	5.41	99
180970078	2011	2	1	1	V	0.04	1.2	4.51	107
180970078	2011	2	1	2	V	0.04	1.2	2.98	97
180970078	2011	2	1	3	V	0.06	1.4	2.13	60
180970078	2011	2	1	4	V	0.04	1.7	3.63	20
180970078	2011	2	1	5	V	0.04	1.7	4.63	29
180970078	2011	2	1	6	V	0.04	1.7	5.84	28
180970078	2011	2	1	7	V	0.04	1.5	6.04	31
180970078	2011	2	1	8	V	0.06	1.4	5.97	35

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	1	9	V	0.07	1.3	5.12	40
180970078	2011	2	1	10	V	0.03	1.8	5.34	48
180970078	2011	2	1	11	V	0.03	1.6	5.67	45
180970078	2011	2	1	12	V	0.02	1.5	6.01	41
180970078	2011	2	1	13	V	0.02	1.3	6.4	43
180970078	2011	2	1	14	V	0.01	1.4	7.76	46
180970078	2011	2	1	15	V	0.05	1.4	8.05	48
180970078	2011	2	1	16	V	0.04	1.2	8.33	51
180970078	2011	2	1	17	V	0.04	1.4	8.4	50
180970078	2011	2	1	18	V	0.04	1.5	9.42	58
180970078	2011	2	1	19	V	0.04	1.4	11.24	56
180970078	2011	2	1	20	V	0.04	1.6	11.75	64
180970078	2011	2	1	21	V	0.04	0.7	9.66	73
180970078	2011	2	1	22	V	0.04	1.3	7.93	81
180970078	2011	2	1	23	V	0.04	1.5	6.79	91
180970078	2011	2	1	24	V	0.03	2	5.9	112
180970078	2011	2	2	1	V	0.03	2.4	8.18	185
180970078	2011	2	2	2	V	4.6	3.1	12.65	226
180970078	2011	2	2	3	V	12.0	3.9	14.44	220
180970078	2011	2	2	4	V	12.2	4.7	12.62	220
180970078	2011	2	2	5	V	10.0	4.6	12.24	222
180970078	2011	2	2	6	V	1.5	2.9	14.13	230
180970078	2011	2	2	7	V	0.08	2	13.49	242
180970078	2011	2	2	8	V	0.1	1.9	12.7	250
180970078	2011	2	2	9	V	0.01	1.6	11.48	257
180970078	2011	2	2	10	V	0.02	1.5	10.87	253
180970078	2011	2	2	11	V	0.01	1.6	9.59	262
180970078	2011	2	2	12	V	0.01	1.4	9.49	274
180970078	2011	2	2	13	V	0.01	1.4	9.73	282
180970078	2011	2	2	14	V	0.01	1.5	9.37	280
180970078	2011	2	2	15	V	0.01	1.5	8.93	284
180970078	2011	2	2	16	V	0.04	1.4	8.08	289
180970078	2011	2	2	17	V	0.04	1.3	7.47	285
180970078	2011	2	2	18	V	0.04	1.4	6.67	287
180970078	2011	2	2	19	V	0.04	1.3	6.12	282
180970078	2011	2	2	20	V	0.04	1.5	6.65	273
180970078	2011	2	2	21	V	0.04	1.4	7.3	281
180970078	2011	2	2	22	V	0.03	1.4	6.84	285
180970078	2011	2	2	23	V	0.04	1.4	6.18	296
180970078	2011	2	2	24	V	0.04	1.5	5.79	296
180970078	2011	2	3	1	V	0.03	0.7	5.09	286
180970078	2011	2	3	2	V	0.03	0.7	4.46	284
180970078	2011	2	3	3	V	0.03	0.8	4.05	282
180970078	2011	2	3	4	V	0.05	0.8	3.07	285
180970078	2011	2	3	5	V	0.05	0.7	2.93	282
180970078	2011	2	3	6	V	0.04	0.8	3.35	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	3	7	V	0.04	0.8	3.37	266
180970078	2011	2	3	8	V	0.2	0.8	3.01	266
180970078	2011	2	3	9	V	0.3	0.9	3.1	266
180970078	2011	2	3	10	V	0.4	1.4	3.24	285
180970078	2011	2	3	11	V	1.1	1.9	2.06	312
180970078	2011	2	3	12	V	4.1	2.9	1.54	246
180970078	2011	2	3	13	V	5.1	2.2	2.83	234
180970078	2011	2	3	14	V	3.1	2.2	2.84	236
180970078	2011	2	3	15	V	0.5	2.9	3.37	243
180970078	2011	2	3	16	V	0.2	4.5	3.07	244
180970078	2011	2	3	17	V	0.2	4.2	3.98	235
180970078	2011	2	3	18	V	0.1	2.2	3.95	242
180970078	2011	2	3	19	V	0.4	2	3.39	246
180970078	2011	2	3	20	V	0.05	1.4	3.15	259
180970078	2011	2	3	21	V	0.05	0.9	3.08	262
180970078	2011	2	3	22	V	0.6	1.2	2.96	247
180970078	2011	2	3	23	V	0.6	1.4	2.56	247
180970078	2011	2	3	24	V	0.08	1.4	2.62	238
180970078	2011	2	4	1	V	0.5	0.9	2.61	251
180970078	2011	2	4	2	V	4.1	1.2	2.74	226
180970078	2011	2	4	3	V	2.0	1.4	3.07	227
180970078	2011	2	4	4	V	4.5	1.4	2.62	226
180970078	2011	2	4	5	V	41.8	2.4	2.51	215
180970078	2011	2	4	6	V	37.9	2.4	2.49	216
180970078	2011	2	4	7	V	1.1	2.2	2.86	203
180970078	2011	2	4	8	V	2.0	2.6	1.98	240
180970078	2011	2	4	9	V	42.8	3	2.91	210
180970078	2011	2	4	10	V	37.0	6.4	2.96	219
180970078	2011	2	4	11	V	10.4	20.9	2.59	230
180970078	2011	2	4	12	V	0.6	13.3	2.95	250
180970078	2011	2	4	13	V	6.9	11.4	3.59	229
180970078	2011	2	4	14	V	0.3	9.5	3.73	246
180970078	2011	2	4	15	V	0.2	12.7	2.79	240
180970078	2011	2	4	16	V	4.4	40.7	2.08	227
180970078	2011	2	4	17	V	0.6	-999	1.86	233
180970078	2011	2	4	18	V	0.06	-999	2.45	257
180970078	2011	2	4	19	V	0.5	30.1	1.23	255
180970078	2011	2	4	20	C	-999	9.8	0	0
180970078	2011	2	4	21	V	0.6	7.6	1.16	117
180970078	2011	2	4	22	V	0.07	5.7	2.28	135
180970078	2011	2	4	23	V	0.2	5	1.72	126
180970078	2011	2	4	24	V	0.8	3.3	0.99	345
180970078	2011	2	5	1	V	0.09	3.2	2.03	347
180970078	2011	2	5	2	V	0.06	2.9	2.35	18
180970078	2011	2	5	3	V	0.4	2.9	1.2	12
180970078	2011	2	5	4	V	0.05	3.3	3.52	32

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	5	5	V	0.06	3.1	2.38	88
180970078	2011	2	5	6	V	0.2	3.2	1.65	146
180970078	2011	2	5	7	V	0.06	2.5	2.32	51
180970078	2011	2	5	8	V	0.1	2.4	3.12	68
180970078	2011	2	5	9	V	0.2	2.7	3.32	49
180970078	2011	2	5	10	V	0.9	1.9	1.67	20
180970078	2011	2	5	11	V	0.2	2.3	3.93	329
180970078	2011	2	5	12	V	0.04	2.2	5.7	338
180970078	2011	2	5	13	V	0.05	2.4	5.68	322
180970078	2011	2	5	14	V	0.02	2.4	7.03	299
180970078	2011	2	5	15	V	0.02	3.8	6.11	289
180970078	2011	2	5	16	V	0.06	3.8	5.96	260
180970078	2011	2	5	17	V	0.2	3.7	5.8	245
180970078	2011	2	5	18	V	0.2	2.7	6.4	245
180970078	2011	2	5	19	V	0.1	1.6	5.04	240
180970078	2011	2	5	20	V	10.8	1.5	4.73	223
180970078	2011	2	5	21	V	18.5	2	5.56	219
180970078	2011	2	5	22	V	5.7	2.3	6.48	225
180970078	2011	2	5	23	V	6.4	2.3	5.56	225
180970078	2011	2	5	24	V	30.4	1.8	4.95	213
180970078	2011	2	6	1	V	1.4	2.3	4.65	201
180970078	2011	2	6	2	V	2.2	3.3	5.77	202
180970078	2011	2	6	3	V	15.7	3.3	6.96	210
180970078	2011	2	6	4	V	15.5	3.9	5.64	219
180970078	2011	2	6	5	V	4.5	2.9	5.34	204
180970078	2011	2	6	6	V	3.1	2.3	5.24	203
180970078	2011	2	6	7	V	0.04	2.1	4.99	188
180970078	2011	2	6	8	V	0.03	1.1	5.41	187
180970078	2011	2	6	9	V	0.05	1.4	4.58	168
180970078	2011	2	6	10	V	0.1	2.1	3.81	160
180970078	2011	2	6	11	V	0.05	2.6	4.83	166
180970078	2011	2	6	12	V	0.05	3.8	4.9	176
180970078	2011	2	6	13	V	0.08	5.2	4.54	187
180970078	2011	2	6	14	V	0.3	5.3	4.58	195
180970078	2011	2	6	15	V	13.9	5.8	4.37	209
180970078	2011	2	6	16	V	27.6	5.3	3.4	215
180970078	2011	2	6	17	V	0.3	5.2	2.96	245
180970078	2011	2	6	18	V	0.3	4.3	2.67	245
180970078	2011	2	6	19	V	0.04	3.4	2.78	263
180970078	2011	2	6	20	V	0.4	2.4	2.71	251
180970078	2011	2	6	21	V	0.06	2.8	2.35	239
180970078	2011	2	6	22	V	0.08	2.3	2.95	239
180970078	2011	2	6	23	V	0.3	-999	4.31	249
180970078	2011	2	6	24	V	0.07	1.8	4.27	259
180970078	2011	2	7	1	V	0.04	1.8	2.98	263
180970078	2011	2	7	2	V	0.04	1.9	3.06	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	7	3	V	0.03	1.8	3.2	270
180970078	2011	2	7	4	V	0.03	1.6	3.35	283
180970078	2011	2	7	5	V	0.03	1.8	3.68	302
180970078	2011	2	7	6	V	0.04	1.2	3.13	304
180970078	2011	2	7	7	V	0.03	1.3	5.21	318
180970078	2011	2	7	8	V	0.04	1.5	4.56	322
180970078	2011	2	7	9	V	0.04	1.3	4.92	340
180970078	2011	2	7	10	V	0.04	1.5	5.07	341
180970078	2011	2	7	11	V	0.04	1.5	5.62	338
180970078	2011	2	7	12	V	0.03	1.5	5.99	340
180970078	2011	2	7	13	V	0.04	1.9	5.46	337
180970078	2011	2	7	14	V	0.04	2	5.46	330
180970078	2011	2	7	15	V	0.02	2.1	6.77	334
180970078	2011	2	7	16	V	0.05	2.2	6.02	334
180970078	2011	2	7	17	V	0.04	2.7	5.75	322
180970078	2011	2	7	18	V	0.04	1.5	6.35	319
180970078	2011	2	7	19	V	0.03	1.5	7.15	312
180970078	2011	2	7	20	V	0.04	1.3	7.16	315
180970078	2011	2	7	21	V	0.04	1.2	6.46	306
180970078	2011	2	7	22	V	0.04	1.4	6.57	300
180970078	2011	2	7	23	V	0.04	1.2	6.38	302
180970078	2011	2	7	24	V	0.04	1.2	5.96	294
180970078	2011	2	8	1	V	0.03	1.8	8.46	290
180970078	2011	2	8	2	V	0.03	1.8	6.96	281
180970078	2011	2	8	3	V	0.03	1.9	7.46	285
180970078	2011	2	8	4	V	0.03	2.1	9.56	291
180970078	2011	2	8	5	V	0.04	2.3	5.36	280
180970078	2011	2	8	6	V	0.03	1.6	5.36	292
180970078	2011	2	8	7	V	0.04	1.6	3.86	281
180970078	2011	2	8	8	V	0.09	2	4.86	275
180970078	2011	2	8	9	V	0.05	1.4	5.96	281
180970078	2011	2	8	10	V	0.02	1.6	7.46	274
180970078	2011	2	8	11	V	0.02	2.6	7.96	266
180970078	2011	2	8	12	V	0.04	1.8	6.46	283
180970078	2011	2	8	13	V	0.02	1.6	7.96	324
180970078	2011	2	8	14	V	0.1	1.9	4.86	292
180970078	2011	2	8	15	V	0.05	1.9	5.96	302
180970078	2011	2	8	16	V	0.04	2.5	5.96	323
180970078	2011	2	8	17	V	0.03	2.1	5.36	298
180970078	2011	2	8	18	V	0.03	1.6	5.36	309
180970078	2011	2	8	19	V	0.04	2.2	3.36	295
180970078	2011	2	8	20	V	0.06	2.6	2.86	297
180970078	2011	2	8	21	V	0.2	1.9	1.76	313
180970078	2011	2	8	22	V	0.1	2.2	2.04	301
180970078	2011	2	8	23	V	0.05	1.9	2.79	279
180970078	2011	2	8	24	V	0.05	2.4	2.71	288

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	9	1	V	0.05	0.7	3.68	303
180970078	2011	2	9	2	V	0.05	1.2	2.76	296
180970078	2011	2	9	3	V	0.07	1.3	2.35	282
180970078	2011	2	9	4	V	0.05	1.2	2.71	268
180970078	2011	2	9	5	V	0.2	1.6	3.08	243
180970078	2011	2	9	6	V	0.3	2.1	3.93	247
180970078	2011	2	9	7	V	0.3	2.2	4.03	247
180970078	2011	2	9	8	V	0.3	1.4	4.03	248
180970078	2011	2	9	9	V	0.4	2.3	3.56	247
180970078	2011	2	9	10	V	0.3	1.7	3.98	248
180970078	2011	2	9	11	V	0.3	2.1	3.88	244
180970078	2011	2	9	12	V	0.4	2.6	3.47	247
180970078	2011	2	9	13	V	0.2	2.2	3.81	259
180970078	2011	2	9	14	V	0.1	1.7	4.36	261
180970078	2011	2	9	15	V	0.1	1.8	4.1	259
180970078	2011	2	9	16	V	0.06	2.6	4.19	261
180970078	2011	2	9	17	V	0.3	3.1	4.71	251
180970078	2011	2	9	18	V	0.2	3.7	5.22	242
180970078	2011	2	9	19	V	0.3	3.4	4.83	249
180970078	2011	2	9	20	V	0.05	3.2	4.87	262
180970078	2011	2	9	21	V	0.04	2.6	4.51	276
180970078	2011	2	9	22	V	0.04	2.4	4.31	287
180970078	2011	2	9	23	V	0.04	2.2	3.71	279
180970078	2011	2	9	24	V	0.04	2	3.49	260
180970078	2011	2	10	1	V	0.04	2.5	3.39	279
180970078	2011	2	10	2	V	0.04	1.8	3.59	286
180970078	2011	2	10	3	V	0.05	2.2	3.18	293
180970078	2011	2	10	4	V	0.05	2.2	3.08	274
180970078	2011	2	10	5	V	0.05	2.3	2.95	270
180970078	2011	2	10	6	V	0.06	2.3	2.69	273
180970078	2011	2	10	7	V	0.06	2.1	2.62	263
180970078	2011	2	10	8	V	0.5	2.1	2.32	265
180970078	2011	2	10	9	V	1.3	2.3	1.99	252
180970078	2011	2	10	10	V	46.3	4.8	2.9	214
180970078	2011	2	10	11	V	44.5	32.2	2.49	215
180970078	2011	2	10	12	V	1.7	39.7	1.69	251
180970078	2011	2	10	13	V	47.6	17.4	1.99	212
180970078	2011	2	10	14	V	0.2	21.9	4.58	248
180970078	2011	2	10	15	V	0.07	5	5.05	240
180970078	2011	2	10	16	V	1.8	14.3	5.82	230
180970078	2011	2	10	17	V	1.4	19.2	5.67	230
180970078	2011	2	10	18	V	28.4	15.8	5.62	210
180970078	2011	2	10	19	V	16.3	13.5	4.7	207
180970078	2011	2	10	20	V	12.3	11.4	4.46	206
180970078	2011	2	10	21	V	4.4	5.7	5.68	203
180970078	2011	2	10	22	V	31.3	9.2	6.06	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	10	23	V	29.9	21.3	5.87	215
180970078	2011	2	10	24	V	19.1	17.6	5.44	219
180970078	2011	2	11	1	V	15.9	16.4	5.43	220
180970078	2011	2	11	2	V	16.7	17.2	5.29	220
180970078	2011	2	11	3	V	2.9	12.7	5.43	228
180970078	2011	2	11	4	V	1.3	8.4	5.58	230
180970078	2011	2	11	5	V	2.6	6.9	5.63	228
180970078	2011	2	11	6	V	1.9	6.1	4.27	229
180970078	2011	2	11	7	V	7.7	5.8	4.53	225
180970078	2011	2	11	8	V	37.3	6.5	3.52	213
180970078	2011	2	11	9	V	4.1	12.2	2.76	194
180970078	2011	2	11	10	V	3.6	30.9	4.17	198
180970078	2011	2	11	11	V	0.3	33.6	4.17	187
180970078	2011	2	11	12	V	0.2	32.3	4.59	184
180970078	2011	2	11	13	V	9.2	31.4	4.37	203
180970078	2011	2	11	14	V	0.08	24	5	238
180970078	2011	2	11	15	V	0.02	29.6	6.92	239
180970078	2011	2	11	16	V	4.9	10.6	6.52	226
180970078	2011	2	11	17	V	8.5	20.2	6.77	223
180970078	2011	2	11	18	V	20.7	18.5	6.11	218
180970078	2011	2	11	19	V	29.2	22.7	6.19	215
180970078	2011	2	11	20	V	22.6	26.4	6.81	217
180970078	2011	2	11	21	V	10.4	25.7	7.01	222
180970078	2011	2	11	22	V	13.0	19.5	6.23	221
180970078	2011	2	11	23	V	10.1	23.5	6.92	222
180970078	2011	2	11	24	V	1.9	12.9	7.42	229
180970078	2011	2	12	1	V	1.9	9.9	7.25	229
180970078	2011	2	12	2	V	0.1	8.6	8.13	239
180970078	2011	2	12	3	V	0.2	5.6	7.52	246
180970078	2011	2	12	4	V	0.2	5	7.13	250
180970078	2011	2	12	5	V	0.3	4.2	5.68	251
180970078	2011	2	12	6	V	0.1	2.7	5.38	257
180970078	2011	2	12	7	V	0.05	3.5	6.23	263
180970078	2011	2	12	8	V	0.07	2.4	5.55	257
180970078	2011	2	12	9	V	0.2	2.2	5.39	247
180970078	2011	2	12	10	V	0.04	4.7	6.16	258
180970078	2011	2	12	11	V	0.04	5.1	6.06	271
180970078	2011	2	12	12	V	0.05	7.6	5.48	267
180970078	2011	2	12	13	V	0.1	6.8	4.71	247
180970078	2011	2	12	14	V	0.06	6.5	5.77	242
180970078	2011	2	12	15	V	0.01	6.1	6.35	239
180970078	2011	2	12	16	V	0.1	5.5	6.58	238
180970078	2011	2	12	17	V	0.2	5.8	5.29	237
180970078	2011	2	12	18	V	3.3	4.5	4.82	228
180970078	2011	2	12	19	V	0.5	4	3.37	200
180970078	2011	2	12	20	V	0.05	4.9	4.37	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	12	21	V	0.05	4.8	5.63	183
180970078	2011	2	12	22	V	0.5	4.3	5.75	198
180970078	2011	2	12	23	V	1.3	3.4	7.83	200
180970078	2011	2	12	24	V	4.9	2.5	6.53	203
180970078	2011	2	13	1	V	28.6	3.3	6.6	212
180970078	2011	2	13	2	V	8.4	5	6.62	223
180970078	2011	2	13	3	V	0.9	6.9	7.69	231
180970078	2011	2	13	4	V	0.3	4.8	6.74	234
180970078	2011	2	13	5	V	0.2	3.8	6.23	235
180970078	2011	2	13	6	V	0.1	3.6	5.67	236
180970078	2011	2	13	7	V	2.7	3.1	6.58	228
180970078	2011	2	13	8	V	2.2	3.5	6.84	226
180970078	2011	2	13	9	V	1.4	6.1	6.99	228
180970078	2011	2	13	10	V	1.1	14.8	7.72	228
180970078	2011	2	13	11	V	3.3	21.1	7.03	224
180970078	2011	2	13	12	V	0.7	24.4	7.45	230
180970078	2011	2	13	13	V	1.1	20.5	7.91	228
180970078	2011	2	13	14	V	4.4	23.1	5.51	225
180970078	2011	2	13	15	V	14.0	30.3	5.44	218
180970078	2011	2	13	16	V	27.0	31.8	5.07	214
180970078	2011	2	13	17	V	3.1	28.3	5.58	227
180970078	2011	2	13	18	V	27.1	32.2	5.53	212
180970078	2011	2	13	19	V	9.1	18.5	7.2	206
180970078	2011	2	13	20	V	9.9	11.1	7.43	206
180970078	2011	2	13	21	V	7.1	8.2	8.28	205
180970078	2011	2	13	22	V	23.5	17.1	8.74	214
180970078	2011	2	13	23	V	5.1	-999	10.43	225
180970078	2011	2	13	24	V	1.0	11.7	11.34	231
180970078	2011	2	14	1	V	0.4	7.7	9.58	233
180970078	2011	2	14	2	V	0.08	6.2	9.51	239
180970078	2011	2	14	3	V	0.1	5.9	9.27	243
180970078	2011	2	14	4	V	0.2	5.5	8.35	246
180970078	2011	2	14	5	V	0.2	5.1	8.08	253
180970078	2011	2	14	6	V	0.04	3.9	8.11	261
180970078	2011	2	14	7	V	0.03	3.1	9.17	268
180970078	2011	2	14	8	V	0.01	2.7	9.97	281
180970078	2011	2	14	9	V	0.01	2.1	8.78	278
180970078	2011	2	14	10	V	0.01	2.8	8.91	284
180970078	2011	2	14	11	V	0.01	2.7	8.22	285
180970078	2011	2	14	12	V	0.01	3.7	8.83	290
180970078	2011	2	14	13	V	0.01	4.3	8.78	293
180970078	2011	2	14	14	V	0.02	4.8	8.01	303
180970078	2011	2	14	15	V	0.01	3.5	8.16	306
180970078	2011	2	14	16	V	0.04	2.5	7.5	314
180970078	2011	2	14	17	V	0.04	2.6	6.41	320
180970078	2011	2	14	18	V	0.04	2.7	4.83	331

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	14	19	V	0.04	2.1	3.01	327
180970078	2011	2	14	20	V	0.1	2.6	1.91	314
180970078	2011	2	14	21	V	0.2	3	1.84	300
180970078	2011	2	14	22	V	0.1	3.6	2.13	329
180970078	2011	2	14	23	V	0.1	3.1	2.08	307
180970078	2011	2	14	24	V	0.06	3.2	2.59	338
180970078	2011	2	15	1	V	0.06	3.6	2.66	354
180970078	2011	2	15	2	V	0.1	3.2	2.01	26
180970078	2011	2	15	3	V	0.04	3.2	3.32	48
180970078	2011	2	15	4	V	0.04	2.9	4.37	55
180970078	2011	2	15	5	V	0.04	2.5	3.4	78
180970078	2011	2	15	6	V	0.03	2.3	4.27	83
180970078	2011	2	15	7	V	0.06	3	3.56	102
180970078	2011	2	15	8	V	0.2	2.4	3.32	114
180970078	2011	2	15	9	V	0.1	2.8	4.46	106
180970078	2011	2	15	10	V	0.07	2.9	5.34	126
180970078	2011	2	15	11	V	0.1	2.5	4.78	137
180970078	2011	2	15	12	V	0.03	2.6	5.94	135
180970078	2011	2	15	13	V	0.04	3	5.79	136
180970078	2011	2	15	14	V	0.06	5.1	4.54	147
180970078	2011	2	15	15	V	0.04	5.2	4.7	129
180970078	2011	2	15	16	V	0.06	5.1	4.87	130
180970078	2011	2	15	17	V	0.04	5.4	6.28	131
180970078	2011	2	15	18	V	0.04	4.1	5.33	131
180970078	2011	2	15	19	V	0.04	2.7	5.39	127
180970078	2011	2	15	20	V	0.04	3.1	5.33	126
180970078	2011	2	15	21	V	0.05	2.8	5.17	140
180970078	2011	2	15	22	V	0.04	2.4	4.32	153
180970078	2011	2	15	23	V	0.04	2.7	3.81	149
180970078	2011	2	15	24	V	0.04	1.9	4.58	152
180970078	2011	2	16	1	V	0.04	2.2	3.97	167
180970078	2011	2	16	2	V	0.04	2.4	3.23	163
180970078	2011	2	16	3	V	0.05	2.5	2.71	155
180970078	2011	2	16	4	V	0.05	2.6	2.54	152
180970078	2011	2	16	5	V	0.04	2.5	3.2	150
180970078	2011	2	16	6	V	0.04	2.8	3.13	139
180970078	2011	2	16	7	V	0.06	3	2.45	142
180970078	2011	2	16	8	V	0.3	3.5	2.52	144
180970078	2011	2	16	9	V	0.4	3.7	2.64	145
180970078	2011	2	16	10	V	0.6	5.6	2.56	142
180970078	2011	2	16	11	V	0.2	7.1	3.98	182
180970078	2011	2	16	12	V	1.7	14.9	4.49	196
180970078	2011	2	16	13	V	16.2	22.1	5.26	209
180970078	2011	2	16	14	V	8.7	23.5	3.42	227
180970078	2011	2	16	15	V	1.3	14.7	4.87	200
180970078	2011	2	16	16	V	19.3	16.2	5.9	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	16	17	V	23.7	10.3	5.8	211
180970078	2011	2	16	18	V	21.3	11.2	3	209
180970078	2011	2	16	19	V	0.05	12.2	3.1	188
180970078	2011	2	16	20	V	0.05	7.9	3.88	164
180970078	2011	2	16	21	V	0.05	6.8	4.46	159
180970078	2011	2	16	22	V	0.04	6.2	4.71	165
180970078	2011	2	16	23	V	0.03	4.6	5.43	168
180970078	2011	2	16	24	V	0.04	-999	5.67	173
180970078	2011	2	17	1	V	0.03	-999	4.87	158
180970078	2011	2	17	2	V	0.03	-999	5.87	165
180970078	2011	2	17	3	V	0.03	-999	6.4	171
180970078	2011	2	17	4	V	0.03	-999	6.06	177
180970078	2011	2	17	5	V	0.03	-999	6.64	180
180970078	2011	2	17	6	V	0.03	-999	5.33	171
180970078	2011	2	17	7	V	0.04	-999	5.05	166
180970078	2011	2	17	8	V	0.03	-999	5.56	166
180970078	2011	2	17	9	V	0.03	-999	6.02	163
180970078	2011	2	17	10	V	0.02	-999	6.99	173
180970078	2011	2	17	11	V	0.01	-999	9.22	186
180970078	2011	2	17	12	V	0.01	-999	9.76	186
180970078	2011	2	17	13	V	0.02	-999	11.72	196
180970078	2011	2	17	14	V	0.02	-999	12.01	197
180970078	2011	2	17	15	V	0.01	-999	11.31	196
180970078	2011	2	17	16	V	2.4	-999	11.38	201
180970078	2011	2	17	17	V	0.4	-999	11.17	197
180970078	2011	2	17	18	V	1.9	-999	9.54	201
180970078	2011	2	17	19	V	4.7	-999	9.17	203
180970078	2011	2	17	20	V	6.8	-999	9.73	204
180970078	2011	2	17	21	V	15.7	-999	11	208
180970078	2011	2	17	22	V	23.2	-999	11.97	213
180970078	2011	2	17	23	V	15.4	-999	11.8	218
180970078	2011	2	17	24	V	8.1	-999	10.97	223
180970078	2011	2	18	1	V	6.5	-999	10.29	224
180970078	2011	2	18	2	V	5.3	-999	10.19	225
180970078	2011	2	18	3	V	0.3	-999	8.18	234
180970078	2011	2	18	4	V	0.2	-999	7.43	246
180970078	2011	2	18	5	V	0.03	-999	7.25	277
180970078	2011	2	18	6	V	0.02	-999	5.72	292
180970078	2011	2	18	7	V	0.05	-999	4.54	282
180970078	2011	2	18	8	V	0.2	-999	3.71	276
180970078	2011	2	18	9	V	0.2	-999	3.73	271
180970078	2011	2	18	10	V	0.05	-999	5.41	285
180970078	2011	2	18	11	V	0.05	-999	5.58	280
180970078	2011	2	18	12	V	0.02	-999	7.83	287
180970078	2011	2	18	13	V	0.01	-999	9.12	296
180970078	2011	2	18	14	V	0.01	1.1	8.74	294

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	18	15	V	0.01	0.8	8.27	295
180970078	2011	2	18	16	V	0.04	1.1	7.69	292
180970078	2011	2	18	17	V	0.03	1	8.47	292
180970078	2011	2	18	18	V	0.03	0.7	7.64	292
180970078	2011	2	18	19	V	0.03	1.6	6.12	299
180970078	2011	2	18	20	V	0.04	1.5	5.12	302
180970078	2011	2	18	21	V	0.04	0.8	4.63	299
180970078	2011	2	18	22	V	0.04	1	4.26	299
180970078	2011	2	18	23	V	0.03	1.6	3.81	289
180970078	2011	2	18	24	V	0.02	0.8	3.32	277
180970078	2011	2	19	1	V	0.02	1.1	3.32	266
180970078	2011	2	19	2	V	0.01	1	4.53	300
180970078	2011	2	19	3	V	0.01	1	4.07	301
180970078	2011	2	19	4	V	0.01	1.2	3.34	275
180970078	2011	2	19	5	V	0.01	1	3.66	276
180970078	2011	2	19	6	V	0.01	0.9	3.73	283
180970078	2011	2	19	7	V	0.03	1	3.25	305
180970078	2011	2	19	8	V	0.04	1.4	3.68	331
180970078	2011	2	19	9	V	0.08	1	3.29	329
180970078	2011	2	19	10	V	0.07	1.4	3.32	342
180970078	2011	2	19	11	V	0.2	1.9	2.67	356
180970078	2011	2	19	12	V	0.3	1.8	1.96	35
180970078	2011	2	19	13	V	0.4	1.7	2.01	23
180970078	2011	2	19	14	V	0.2	1.7	2.47	354
180970078	2011	2	19	15	V	0.06	0.6	2.66	3
180970078	2011	2	19	16	V	0.05	1.2	2.47	40
180970078	2011	2	19	17	V	0.01	1.3	3.59	52
180970078	2011	2	19	18	V	0.01	1.3	3.73	44
180970078	2011	2	19	19	V	0.01	1.3	3.41	57
180970078	2011	2	19	20	V	0.01	1	3.54	49
180970078	2011	2	19	21	V	0.01	1.8	3.44	53
180970078	2011	2	19	22	V	0.01	1	3.29	50
180970078	2011	2	19	23	V	0.01	0.9	3.19	63
180970078	2011	2	19	24	V	0.01	1.1	4.07	77
180970078	2011	2	20	1	V	0.01	1.6	3.42	85
180970078	2011	2	20	2	V	0.02	1.2	4.02	97
180970078	2011	2	20	3	V	0.02	1	4.27	108
180970078	2011	2	20	4	V	0.02	0.9	5.11	109
180970078	2011	2	20	5	V	0.02	1.2	4.83	115
180970078	2011	2	20	6	V	0.02	1.2	4.54	119
180970078	2011	2	20	7	V	0.02	1.3	3.18	91
180970078	2011	2	20	8	V	0.02	1.4	4.27	102
180970078	2011	2	20	9	V	0.01	3.2	5.67	102
180970078	2011	2	20	10	V	0.01	3.5	6.16	117
180970078	2011	2	20	11	V	0.01	5.5	7.33	131
180970078	2011	2	20	12	V	0.01	6.7	6.92	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	20	13	V	0.005	7.2	8.2	136
180970078	2011	2	20	14	V	0.01	6.7	7.74	146
180970078	2011	2	20	15	V	0.01	4.5	7.28	150
180970078	2011	2	20	16	V	0.01	4.1	6.99	145
180970078	2011	2	20	17	V	0.02	3.3	5.34	150
180970078	2011	2	20	18	V	0.02	2.2	4.48	145
180970078	2011	2	20	19	V	0.02	2.5	3.91	134
180970078	2011	2	20	20	V	0.02	2.4	4.46	144
180970078	2011	2	20	21	V	0.02	1.9	4.76	152
180970078	2011	2	20	22	V	0.02	1.8	3.8	154
180970078	2011	2	20	23	V	0.02	-999	3.86	169
180970078	2011	2	20	24	V	0.02	2.4	5.63	195
180970078	2011	2	21	1	V	0.7	2.8	9.37	232
180970078	2011	2	21	2	V	0.7	2.2	7.91	232
180970078	2011	2	21	3	V	1.5	2.1	6.16	230
180970078	2011	2	21	4	V	0.4	2.4	4.9	233
180970078	2011	2	21	5	V	0.3	2.6	5.41	251
180970078	2011	2	21	6	V	0.01	2.2	6.09	282
180970078	2011	2	21	7	V	0.03	1.8	2.74	270
180970078	2011	2	21	8	V	0.2	2.3	2.98	192
180970078	2011	2	21	9	V	12.3	2.3	2.45	214
180970078	2011	2	21	10	V	0.005	1.7	8.27	33
180970078	2011	2	21	11	V	0.01	1.6	6.09	52
180970078	2011	2	21	12	V	0.01	2	5.55	58
180970078	2011	2	21	13	V	0.01	1	5.7	52
180970078	2011	2	21	14	V	0.01	1.4	6.87	47
180970078	2011	2	21	15	V	0.01	1.1	7.06	36
180970078	2011	2	21	16	V	0.01	0.7	7.26	18
180970078	2011	2	21	17	V	0.01	1	6.74	20
180970078	2011	2	21	18	V	0.01	0.9	6.99	43
180970078	2011	2	21	19	V	0.02	0.6	5.22	32
180970078	2011	2	21	20	V	0.02	1.5	5.38	12
180970078	2011	2	21	21	V	0.02	1.3	4.95	35
180970078	2011	2	21	22	V	0.02	1.1	4.51	41
180970078	2011	2	21	23	V	0.02	-999	2.67	35
180970078	2011	2	21	24	V	0.03	1.3	3.44	2
180970078	2011	2	22	1	V	0.03	1	4.39	39
180970078	2011	2	22	2	V	0.03	0.9	4.26	48
180970078	2011	2	22	3	V	0.03	1	4	74
180970078	2011	2	22	4	V	0.03	1.1	3.42	80
180970078	2011	2	22	5	V	0.03	1.7	2.64	44
180970078	2011	2	22	6	V	0.09	1.7	1.61	60
180970078	2011	2	22	7	V	0.3	1.7	1.14	84
180970078	2011	2	22	8	V	0.2	1.3	1.28	18
180970078	2011	2	22	9	V	0.2	1.2	1.86	16
180970078	2011	2	22	10	V	0.09	1.8	2.64	16

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	22	11	V	0.2	1.4	2.23	11
180970078	2011	2	22	12	V	0.2	1.8	2.11	334
180970078	2011	2	22	13	V	0.07	1.1	3.32	318
180970078	2011	2	22	14	V	0.05	1.6	3.68	326
180970078	2011	2	22	15	V	0.02	1.6	4.09	335
180970078	2011	2	22	16	V	0.06	1.5	3.81	327
180970078	2011	2	22	17	V	0.05	1.4	3.73	345
180970078	2011	2	22	18	V	0.05	0.9	3.63	355
180970078	2011	2	22	19	V	0.05	1.3	3.97	4
180970078	2011	2	22	20	V	0.05	1.7	4.2	18
180970078	2011	2	22	21	V	0.05	0.5	3.83	25
180970078	2011	2	22	22	V	0.05	0.8	3.49	27
180970078	2011	2	22	23	V	0.05	-999	2.91	35
180970078	2011	2	22	24	V	0.06	1.2	2.3	49
180970078	2011	2	23	1	V	0.05	0.6	2.52	40
180970078	2011	2	23	2	V	0.1	1.6	1.81	60
180970078	2011	2	23	3	V	0.09	1.6	2.16	103
180970078	2011	2	23	4	V	0.04	2	2.35	117
180970078	2011	2	23	5	V	0.03	1.5	3.17	121
180970078	2011	2	23	6	V	0.04	1.6	2.64	114
180970078	2011	2	23	7	V	0.05	1.9	2.45	93
180970078	2011	2	23	8	V	0.2	1.5	2.3	111
180970078	2011	2	23	9	V	0.2	1.7	2.71	120
180970078	2011	2	23	10	V	0.1	1.4	3.29	121
180970078	2011	2	23	11	V	0.1	1.2	2.9	115
180970078	2011	2	23	12	V	0.04	1.1	3.95	130
180970078	2011	2	23	13	V	0.05	1.4	3.59	139
180970078	2011	2	23	14	V	0.03	1.4	4.17	125
180970078	2011	2	23	15	V	0.03	1.7	4.46	130
180970078	2011	2	23	16	V	0.01	2.5	5.36	129
180970078	2011	2	23	17	V	0.03	2.8	5.46	139
180970078	2011	2	23	18	V	0.03	1.7	5.36	138
180970078	2011	2	23	19	V	0.03	3.2	4.41	128
180970078	2011	2	23	20	V	0.03	3.1	4.07	117
180970078	2011	2	23	21	V	0.03	2.4	3.76	113
180970078	2011	2	23	22	V	0.03	1.8	4.51	125
180970078	2011	2	23	23	V	0.04	1.4	3.27	75
180970078	2011	2	23	24	V	0.03	1.8	4.97	137
180970078	2011	2	24	1	V	0.04	2.1	3.12	167
180970078	2011	2	24	2	V	0.03	1.1	3.34	161
180970078	2011	2	24	3	V	0.03	1.3	2.5	187
180970078	2011	2	24	4	V	0.03	2	2.57	174
180970078	2011	2	24	5	V	20.8	1.6	1.67	211
180970078	2011	2	24	6	V	0.5	1.6	0.94	41
180970078	2011	2	24	7	V	0.07	1.9	1.89	356
180970078	2011	2	24	8	V	0.1	1.7	3.59	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	24	9	V	0.1	1.3	3.07	354
180970078	2011	2	24	10	V	0.06	2	4.14	8
180970078	2011	2	24	11	V	0.02	1.6	5.29	20
180970078	2011	2	24	12	V	0.03	2	4.44	35
180970078	2011	2	24	13	V	0.02	2	5.19	37
180970078	2011	2	24	14	V	0.02	1.7	4.92	35
180970078	2011	2	24	15	V	0.01	2.2	5.75	34
180970078	2011	2	24	16	V	0.04	1.8	5.75	41
180970078	2011	2	24	17	V	0.04	2	4.82	41
180970078	2011	2	24	18	V	0.04	1.8	6.12	45
180970078	2011	2	24	19	V	0.03	1.2	7.67	34
180970078	2011	2	24	20	V	0.03	1.6	7.86	37
180970078	2011	2	24	21	V	0.04	1.7	6.99	47
180970078	2011	2	24	22	V	0.04	1.8	7.6	57
180970078	2011	2	24	23	V	0.04	1.7	7.98	61
180970078	2011	2	24	24	V	0.04	1.9	9.78	52
180970078	2011	2	25	1	V	0.03	2	10.22	38
180970078	2011	2	25	2	V	0.03	1.7	9.17	44
180970078	2011	2	25	3	V	0.03	1.5	9.73	30
180970078	2011	2	25	4	V	0.03	1.6	10.43	13
180970078	2011	2	25	5	V	0.03	1.7	9.02	7
180970078	2011	2	25	6	V	0.04	2	9.09	356
180970078	2011	2	25	7	V	0.04	1.1	8.87	4
180970078	2011	2	25	8	V	0.02	1.9	7.05	352
180970078	2011	2	25	9	V	0.02	2.2	6.34	345
180970078	2011	2	25	10	V	0.02	2	6.53	333
180970078	2011	2	25	11	V	0.02	1.5	6.86	332
180970078	2011	2	25	12	V	0.03	1.4	6.3	8
180970078	2011	2	25	13	V	0.05	1.5	5.41	330
180970078	2011	2	25	14	V	0.04	1.5	4.68	322
180970078	2011	2	25	15	V	0.03	1.4	4.41	323
180970078	2011	2	25	16	V	0.02	1.6	3.57	319
180970078	2011	2	25	17	V	0.05	1.3	3.68	320
180970078	2011	2	25	18	V	0.05	1.4	4.22	315
180970078	2011	2	25	19	V	0.05	0.5	2.95	309
180970078	2011	2	25	20	V	0.3	1.6	1.28	303
180970078	2011	2	25	21	V	0.6	1.8	1.11	339
180970078	2011	2	25	22	V	15.4	1.7	2.57	222
180970078	2011	2	25	23	V	11.3	2.2	1.13	202
180970078	2011	2	25	24	V	38.0	2.4	1.09	207
180970078	2011	2	26	1	V	0.5	2.8	1.23	293
180970078	2011	2	26	2	V	0.5	2.6	1.21	40
180970078	2011	2	26	3	V	0.4	1.8	1.25	17
180970078	2011	2	26	4	V	0.2	2.6	1.72	4
180970078	2011	2	26	5	V	0.1	2.4	1.99	37
180970078	2011	2	26	6	V	0.07	3.1	2.28	53

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	26	7	V	0.08	2.4	2.44	96
180970078	2011	2	26	8	V	0.3	2.5	2.74	114
180970078	2011	2	26	9	V	0.2	1.6	3.51	136
180970078	2011	2	26	10	V	0.3	2.3	3.01	161
180970078	2011	2	26	11	V	0.2	2.3	3.05	166
180970078	2011	2	26	12	V	0.2	2.6	3.01	156
180970078	2011	2	26	13	V	0.2	3.1	2.64	178
180970078	2011	2	26	14	V	0.4	2.7	3.97	197
180970078	2011	2	26	15	V	0.04	3	4.83	191
180970078	2011	2	26	16	V	0.1	3.2	4.37	194
180970078	2011	2	26	17	V	0.05	3.2	3.59	186
180970078	2011	2	26	18	V	0.05	3.5	3.51	187
180970078	2011	2	26	19	V	0.05	2.7	3.2	178
180970078	2011	2	26	20	V	0.06	2.9	2.57	170
180970078	2011	2	26	21	V	0.1	2.4	2.06	147
180970078	2011	2	26	22	V	0.06	2.2	2.4	153
180970078	2011	2	26	23	V	0.05	2.6	2.76	141
180970078	2011	2	26	24	V	0.08	2.4	2.16	126
180970078	2011	2	27	1	V	0.06	0.9	2.38	142
180970078	2011	2	27	2	V	0.07	1.4	2.15	152
180970078	2011	2	27	3	V	0.06	1.5	2.54	145
180970078	2011	2	27	4	V	0.1	2	1.76	159
180970078	2011	2	27	5	V	0.3	2.3	1.43	129
180970078	2011	2	27	6	V	0.2	1.7	1.71	112
180970078	2011	2	27	7	V	0.1	1.8	1.67	119
180970078	2011	2	27	8	V	0.3	1	2.45	121
180970078	2011	2	27	9	V	0.3	1.1	3.03	134
180970078	2011	2	27	10	V	0.2	2.5	3.49	164
180970078	2011	2	27	11	V	1.1	2	1.69	165
180970078	2011	2	27	12	V	0.3	2.4	3.39	153
180970078	2011	2	27	13	V	0.03	3.1	5.43	179
180970078	2011	2	27	14	V	0.06	3.7	5.63	195
180970078	2011	2	27	15	V	0.02	3.7	5.89	165
180970078	2011	2	27	16	V	0.05	3	6.57	169
180970078	2011	2	27	17	V	0.04	2.3	6.02	152
180970078	2011	2	27	18	V	0.05	1.9	4.65	152
180970078	2011	2	27	19	V	0.05	2.3	4.82	155
180970078	2011	2	27	20	V	0.05	1.6	5.41	150
180970078	2011	2	27	21	V	0.05	1.6	4.34	147
180970078	2011	2	27	22	V	0.05	1.5	5.43	170
180970078	2011	2	27	23	V	0.05	-999	4.8	175
180970078	2011	2	27	24	V	0.04	2.4	4.93	168
180970078	2011	2	28	1	V	18.5	2.3	10.36	211
180970078	2011	2	28	2	V	19.9	2	11.58	216
180970078	2011	2	28	3	V	0.03	2.6	10.83	266
180970078	2011	2	28	4	V	0.03	2.2	8.4	312

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	2	28	5	V	0.04	2.2	10.34	334
180970078	2011	2	28	6	V	0.04	1.5	5.09	9
180970078	2011	2	28	7	V	0.06	0.8	4.34	346
180970078	2011	2	28	8	V	0.02	1.2	7.14	333
180970078	2011	2	28	9	V	0.01	0.9	8.22	342
180970078	2011	2	28	10	V	0.01	0.8	8.91	348
180970078	2011	2	28	11	V	0.01	0.8	7.38	345
180970078	2011	2	28	12	V	0.01	0	8.2	344
180970078	2011	2	28	13	V	0.01	0.8	8.45	343
180970078	2011	2	28	14	V	0.01	1.8	8.78	342
180970078	2011	2	28	15	V	0.01	1	8.42	340
180970078	2011	2	28	16	V	0.01	1.4	8.2	339
180970078	2011	2	28	17	V	0.04	1.9	7.96	349
180970078	2011	2	28	18	V	0.03	0.9	8.32	347
180970078	2011	2	28	19	V	0.03	0.9	5.89	350
180970078	2011	2	28	20	V	0.03	1.1	5.34	344
180970078	2011	2	28	21	V	0.04	0.8	4.73	358
180970078	2011	2	28	22	V	0.04	1.1	4.53	354
180970078	2011	2	28	23	V	0.05	1.2	2.83	350
180970078	2011	2	28	24	V	0.09	1.3	2.06	359
180970078	2011	3	1	1	V	0.1	1.3	1.82	346
180970078	2011	3	1	2	V	0.05	1.6	2.47	344
180970078	2011	3	1	3	V	0.03	1.5	3.01	343
180970078	2011	3	1	4	V	0.05	2	2.47	21
180970078	2011	3	1	5	V	0.09	1.6	1.99	45
180970078	2011	3	1	6	V	0.04	1.9	2.62	80
180970078	2011	3	1	7	V	0.2	2.7	2.16	94
180970078	2011	3	1	8	V	1.7	2.5	1.3	87
180970078	2011	3	1	9	V	1.8	2.4	1.53	115
180970078	2011	3	1	10	V	0.2	1.3	3.29	138
180970078	2011	3	1	11	V	0.05	1	5.36	166
180970078	2011	3	1	12	V	0.2	1.8	4.76	192
180970078	2011	3	1	13	V	0.1	2.6	3.95	189
180970078	2011	3	1	14	V	0.3	4.2	4.51	194
180970078	2011	3	1	15	V	3.4	10.6	4.31	202
180970078	2011	3	1	16	V	14.2	20	4.05	213
180970078	2011	3	1	17	V	28.2	23.5	3.8	210
180970078	2011	3	1	18	V	0.1	13.6	4.61	198
180970078	2011	3	1	19	V	0.6	5.1	3.24	203
180970078	2011	3	1	20	V	0.06	3.5	3.12	236
180970078	2011	3	1	21	V	2.2	2.3	3.35	205
180970078	2011	3	1	22	V	1.4	2.3	3.58	228
180970078	2011	3	1	23	V	0.3	1.9	3.27	252
180970078	2011	3	1	24	V	0.07	1.9	3.29	241
180970078	2011	3	2	1	V	0.05	1.1	3	237
180970078	2011	3	2	2	V	0.05	1.2	2.76	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	2	3	V	0.3	1.7	2.84	245
180970078	2011	3	2	4	V	0.1	2.1	3.4	242
180970078	2011	3	2	5	V	0.4	2.7	3.3	250
180970078	2011	3	2	6	V	0.5	2.4	3.23	248
180970078	2011	3	2	7	V	0.2	2.8	2.44	293
180970078	2011	3	2	8	V	0.3	2	2.81	341
180970078	2011	3	2	9	V	0.09	1.5	4.37	1
180970078	2011	3	2	10	V	0.03	1.9	5.92	13
180970078	2011	3	2	11	V	0.03	2.8	5.04	17
180970078	2011	3	2	12	V	0.06	2.4	4.48	7
180970078	2011	3	2	13	V	0.07	2.1	4.34	7
180970078	2011	3	2	14	V	0.05	2.2	4.6	1
180970078	2011	3	2	15	V	0.03	1.8	4.87	11
180970078	2011	3	2	16	V	0.04	1.4	4.07	11
180970078	2011	3	2	17	V	0.03	2	4.41	25
180970078	2011	3	2	18	V	0.02	1.2	4.66	41
180970078	2011	3	2	19	V	0.02	1.4	5.14	30
180970078	2011	3	2	20	V	0.03	1.3	4.32	39
180970078	2011	3	2	21	V	0.02	0.9	4.32	35
180970078	2011	3	2	22	V	0.03	1.1	5.34	41
180970078	2011	3	2	23	V	0.03	0.6	4.53	62
180970078	2011	3	2	24	V	0.03	1.2	4.05	80
180970078	2011	3	3	1	V	0.03	1.3	4.24	82
180970078	2011	3	3	2	V	0.03	0.5	5.09	77
180970078	2011	3	3	3	V	0.03	1.2	4.93	78
180970078	2011	3	3	4	V	0.03	0.8	4.77	86
180970078	2011	3	3	5	V	0.03	1	4.92	89
180970078	2011	3	3	6	V	0.03	1.3	4.39	93
180970078	2011	3	3	7	V	0.04	0.6	4.87	98
180970078	2011	3	3	8	V	0.05	1	5.16	107
180970078	2011	3	3	9	V	0.02	0.8	6.69	110
180970078	2011	3	3	10	V	0.02	1.7	6.97	104
180970078	2011	3	3	11	V	0.02	1.1	7.42	103
180970078	2011	3	3	12	V	0.02	2.6	7.31	108
180970078	2011	3	3	13	V	0.02	3.3	7.37	108
180970078	2011	3	3	14	V	0.02	3.1	7.26	109
180970078	2011	3	3	15	V	0.01	2.8	7.69	110
180970078	2011	3	3	16	V	0.05	3.4	6.92	110
180970078	2011	3	3	17	V	0.04	4.1	6.63	118
180970078	2011	3	3	18	V	0.04	4.7	6.04	112
180970078	2011	3	3	19	V	0.04	3.9	5.16	105
180970078	2011	3	3	20	V	0.04	3.5	5.11	96
180970078	2011	3	3	21	V	0.04	4.9	4.88	101
180970078	2011	3	3	22	V	0.05	5.6	4.44	102
180970078	2011	3	3	23	V	0.05	5.8	4.87	107
180970078	2011	3	3	24	V	0.05	5.5	4.36	105

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	4	1	V	0.04	5	4.2	120
180970078	2011	3	4	2	V	0.04	5.2	2.74	113
180970078	2011	3	4	3	V	0.04	5.2	3.01	125
180970078	2011	3	4	4	V	0.04	4.4	3.41	129
180970078	2011	3	4	5	V	0.04	4	4.85	150
180970078	2011	3	4	6	V	0.03	2.9	8.32	184
180970078	2011	3	4	7	V	0.04	2.1	9.2	187
180970078	2011	3	4	8	V	0.02	2	6.77	160
180970078	2011	3	4	9	V	0.05	2	4.87	147
180970078	2011	3	4	10	V	0.03	1.8	6.09	154
180970078	2011	3	4	11	V	0.05	1.6	5.09	136
180970078	2011	3	4	12	V	0.09	2.3	4.41	157
180970078	2011	3	4	13	V	0.03	1.7	6.19	179
180970078	2011	3	4	14	V	0.3	2.3	8.1	199
180970078	2011	3	4	15	V	0.1	2.6	6.38	196
180970078	2011	3	4	16	V	0.07	1.9	5.16	177
180970078	2011	3	4	17	V	0.05	1.9	4.37	156
180970078	2011	3	4	18	V	0.05	2.6	5.14	157
180970078	2011	3	4	19	V	0.05	2	4.65	158
180970078	2011	3	4	20	V	0.04	2.3	5.45	166
180970078	2011	3	4	21	V	0.04	2.7	5.87	165
180970078	2011	3	4	22	V	0.04	1.8	5.77	166
180970078	2011	3	4	23	V	0.03	2.2	6.6	167
180970078	2011	3	4	24	V	20.4	2	4.1	215
180970078	2011	3	5	1	V	0.03	2	4.37	162
180970078	2011	3	5	2	V	0.03	1.4	3.8	150
180970078	2011	3	5	3	V	0.03	2.1	2.69	169
180970078	2011	3	5	4	V	0.03	1.4	2.84	161
180970078	2011	3	5	5	V	0.03	1.4	3.41	141
180970078	2011	3	5	6	V	0.03	2.3	4.46	156
180970078	2011	3	5	7	V	0.03	1.9	4.61	163
180970078	2011	3	5	8	V	6.2	2.2	4.6	205
180970078	2011	3	5	9	V	2.1	2.1	4.61	203
180970078	2011	3	5	10	V	0.01	1.8	7.38	316
180970078	2011	3	5	11	V	0.01	1.5	7.14	321
180970078	2011	3	5	12	V	0.01	1.5	7.71	326
180970078	2011	3	5	13	V	0.01	1.6	6.99	327
180970078	2011	3	5	14	V	0.01	1.4	6.67	335
180970078	2011	3	5	15	V	0.01	1.4	6.84	332
180970078	2011	3	5	16	V	0.03	0.8	7.13	326
180970078	2011	3	5	17	V	0.03	1	7.29	335
180970078	2011	3	5	18	V	0.03	1.2	7.65	336
180970078	2011	3	5	19	V	0.03	1.9	7.55	339
180970078	2011	3	5	20	V	0.03	0.9	6.5	337
180970078	2011	3	5	21	V	0.03	0.8	6.58	337
180970078	2011	3	5	22	V	0.03	1	7.25	341

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	5	23	V	0.03	1.4	6.89	344
180970078	2011	3	5	24	V	0.03	0.6	7.25	341
180970078	2011	3	6	1	V	0.03	0.7	6.84	340
180970078	2011	3	6	2	V	0.03	1.9	7.23	336
180970078	2011	3	6	3	V	0.03	0.8	6.06	341
180970078	2011	3	6	4	V	0.03	1.3	5.84	339
180970078	2011	3	6	5	V	0.03	0.3	5.46	352
180970078	2011	3	6	6	V	0.03	1.6	5.38	355
180970078	2011	3	6	7	V	0.04	1.2	5.5	354
180970078	2011	3	6	8	V	0.02	1.6	5.62	6
180970078	2011	3	6	9	V	0.01	1.4	5.73	16
180970078	2011	3	6	10	V	0.02	1.1	5.09	8
180970078	2011	3	6	11	V	0.03	1.8	4.87	5
180970078	2011	3	6	12	V	0.04	0.6	4.03	7
180970078	2011	3	6	13	V	0.03	1.1	5	349
180970078	2011	3	6	14	V	0.02	0.7	5	342
180970078	2011	3	6	15	V	0.02	0.7	4.76	335
180970078	2011	3	6	16	V	0.05	0.7	4.41	345
180970078	2011	3	6	17	V	0.03	0.7	3.22	19
180970078	2011	3	6	18	V	0.04	1.1	2.74	28
180970078	2011	3	6	19	V	0.04	0.5	2.74	19
180970078	2011	3	6	20	V	0.03	0.5	3.9	22
180970078	2011	3	6	21	V	0.03	1	3.42	36
180970078	2011	3	6	22	V	0.04	0.8	3.05	61
180970078	2011	3	6	23	V	0.04	-999	2.5	33
180970078	2011	3	6	24	V	0.04	0.9	2.45	59
180970078	2011	3	7	1	V	0.03	0.8	2.74	102
180970078	2011	3	7	2	V	0.03	1.1	2.64	90
180970078	2011	3	7	3	V	0.03	0.7	2.69	155
180970078	2011	3	7	4	V	0.03	1.2	2.49	157
180970078	2011	3	7	5	V	0.03	1.7	3.03	124
180970078	2011	3	7	6	V	0.03	1.2	2.98	131
180970078	2011	3	7	7	V	0.1	1.2	1.76	135
180970078	2011	3	7	8	V	0.4	0.9	1.82	128
180970078	2011	3	7	9	V	0.3	0.9	2.52	107
180970078	2011	3	7	10	V	0.1	0.6	2.69	156
180970078	2011	3	7	11	V	0.08	0.7	3.46	146
180970078	2011	3	7	12	V	0.05	0.6	3.73	126
180970078	2011	3	7	13	V	0.03	1.3	3.71	129
180970078	2011	3	7	14	V	0.03	1.5	3.78	136
180970078	2011	3	7	15	V	0.03	1.3	3.49	131
180970078	2011	3	7	16	V	0.05	1.2	4	128
180970078	2011	3	7	17	V	0.03	1	4.02	126
180970078	2011	3	7	18	V	0.03	1.2	5.6	111
180970078	2011	3	7	19	V	0.03	1.1	4.39	107
180970078	2011	3	7	20	V	0.03	1	4.39	104

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	7	21	V	0.03	1.2	4.54	105
180970078	2011	3	7	22	V	0.02	0.9	5.84	102
180970078	2011	3	7	23	V	0.03	1	4.56	105
180970078	2011	3	7	24	V	0.03	0.9	3.4	107
180970078	2011	3	8	1	V	0.03	1.5	3.42	103
180970078	2011	3	8	2	V	0.03	1.4	3.54	104
180970078	2011	3	8	3	V	0.03	0.7	4.1	116
180970078	2011	3	8	4	V	0.03	1.3	3.4	117
180970078	2011	3	8	5	V	0.03	1.5	4.1	120
180970078	2011	3	8	6	V	0.03	1.8	4.19	121
180970078	2011	3	8	7	V	0.03	1.9	4.49	120
180970078	2011	3	8	8	V	0.06	1.5	4.31	111
180970078	2011	3	8	9	V	0.05	1.9	4.68	107
180970078	2011	3	8	10	V	0.04	2.6	5.44	104
180970078	2011	3	8	11	V	0.04	5.2	5.51	111
180970078	2011	3	8	12	V	0.02	6.5	5.58	128
180970078	2011	3	8	13	V	0.03	5.3	4.88	132
180970078	2011	3	8	14	V	0.04	3.6	4.42	128
180970078	2011	3	8	15	V	0.02	4.2	4.87	112
180970078	2011	3	8	16	V	0.01	4	5.95	108
180970078	2011	3	8	17	V	0.03	4	5.73	96
180970078	2011	3	8	18	V	0.03	3.8	5.21	87
180970078	2011	3	8	19	V	0.03	3.8	5.82	82
180970078	2011	3	8	20	V	0.03	3.5	6.69	98
180970078	2011	3	8	21	V	0.03	3	6.99	110
180970078	2011	3	8	22	V	0.03	2.2	6.43	114
180970078	2011	3	8	23	V	0.03	1.2	6.09	145
180970078	2011	3	8	24	V	0.03	1.5	6.06	127
180970078	2011	3	9	1	V	0.03	1.1	6.02	121
180970078	2011	3	9	2	V	0.02	1.2	6.7	120
180970078	2011	3	9	3	V	0.02	1.3	7.18	130
180970078	2011	3	9	4	V	0.02	1	7.76	131
180970078	2011	3	9	5	V	0.02	1.3	8.16	138
180970078	2011	3	9	6	V	0.02	1	8.52	142
180970078	2011	3	9	7	V	0.01	0.9	7.64	146
180970078	2011	3	9	8	V	0.01	1.1	6.5	147
180970078	2011	3	9	9	V	0.04	1.3	4.96	148
180970078	2011	3	9	10	V	0.1	1.2	3.37	150
180970078	2011	3	9	11	V	0.1	1.8	3.71	156
180970078	2011	3	9	12	V	0.07	1.6	3.63	170
180970078	2011	3	9	13	V	0.07	1.6	3.56	180
180970078	2011	3	9	14	V	5.9	1.7	3.76	225
180970078	2011	3	9	15	V	0.1	1.8	4.39	245
180970078	2011	3	9	16	V	0.1	1.6	3.73	250
180970078	2011	3	9	17	V	0.03	1.5	3.29	264
180970078	2011	3	9	18	V	0.2	1.4	4.92	245

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	9	19	V	0.03	1.5	4.6	268
180970078	2011	3	9	20	V	0.06	1.2	5.26	259
180970078	2011	3	9	21	V	0.03	1.3	6.18	266
180970078	2011	3	9	22	V	0.03	1.4	6.29	273
180970078	2011	3	9	23	V	0.03	1.4	6.99	264
180970078	2011	3	9	24	V	0.06	1.5	6.47	259
180970078	2011	3	10	1	V	0.02	1.7	5.78	263
180970078	2011	3	10	2	V	0.01	1.1	6.58	279
180970078	2011	3	10	3	V	0.01	1.4	5.72	296
180970078	2011	3	10	4	V	0.01	1.3	6.38	290
180970078	2011	3	10	5	V	0.01	1.1	6.6	293
180970078	2011	3	10	6	V	0.01	0.9	7.09	300
180970078	2011	3	10	7	V	0.01	1.2	5.75	307
180970078	2011	3	10	8	V	0.01	1	6.31	310
180970078	2011	3	10	9	V	0.01	1.1	6.04	310
180970078	2011	3	10	10	V	0.01	1.3	5.8	321
180970078	2011	3	10	11	V	0.005	0.6	7.03	331
180970078	2011	3	10	12	V	0.005	0.9	7.54	321
180970078	2011	3	10	13	V	0.004	1	7.79	317
180970078	2011	3	10	14	V	0.004	1.1	8.03	314
180970078	2011	3	10	15	V	0.004	1.1	8.83	312
180970078	2011	3	10	16	V	0.01	1.1	7.91	315
180970078	2011	3	10	17	V	0.02	1.1	8.17	312
180970078	2011	3	10	18	V	0.02	1	7.72	306
180970078	2011	3	10	19	V	0.02	1	7.48	300
180970078	2011	3	10	20	V	0.02	0.9	7.62	294
180970078	2011	3	10	21	V	0.02	1	7.04	295
180970078	2011	3	10	22	V	0.02	0.8	6.99	298
180970078	2011	3	10	23	V	0.02	0.9	6.74	297
180970078	2011	3	10	24	V	0.02	1.4	5.95	283
180970078	2011	3	11	1	V	0.02	1.9	4.85	269
180970078	2011	3	11	2	V	0.02	1.7	4.76	266
180970078	2011	3	11	3	V	0.02	2	6.36	270
180970078	2011	3	11	4	V	0.02	2.1	6.64	284
180970078	2011	3	11	5	V	0.02	2.3	5.69	283
180970078	2011	3	11	6	V	0.02	2.4	5.99	279
180970078	2011	3	11	7	V	0.02	2.5	6.21	285
180970078	2011	3	11	8	V	0.04	2.1	5.33	288
180970078	2011	3	11	9	V	0.04	2	5.34	292
180970078	2011	3	11	10	V	0.03	2	5.82	285
180970078	2011	3	11	11	V	0.03	1.4	5.85	282
180970078	2011	3	11	12	V	0.01	1.5	7.4	277
180970078	2011	3	11	13	V	0.01	1.3	7.64	283
180970078	2011	3	11	14	V	0.01	1.4	7.91	282
180970078	2011	3	11	15	V	0.01	1.3	7.45	276
180970078	2011	3	11	16	V	0.01	1.2	6.28	271

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	11	17	V	0.02	1.7	6.47	268
180970078	2011	3	11	18	V	0.2	1.5	4.97	246
180970078	2011	3	11	19	V	0.2	1.2	4.99	236
180970078	2011	3	11	20	V	23.3	1.6	3.71	214
180970078	2011	3	11	21	V	0.03	2	4.14	196
180970078	2011	3	11	22	V	0.08	2.5	4.73	198
180970078	2011	3	11	23	V	12.0	1.8	4.44	207
180970078	2011	3	11	24	V	23.0	2.7	4.12	217
180970078	2011	3	12	1	V	0.4	5.5	5.12	199
180970078	2011	3	12	2	V	1.5	4.5	5.12	201
180970078	2011	3	12	3	V	21.1	4.6	5.73	210
180970078	2011	3	12	4	V	3.1	4.7	8.91	227
180970078	2011	3	12	5	V	0.3	6	9.3	234
180970078	2011	3	12	6	V	0.2	3.9	7.91	236
180970078	2011	3	12	7	V	0.2	2.4	6.36	234
180970078	2011	3	12	8	V	0.3	1.9	5.51	236
180970078	2011	3	12	9	V	0.04	3.7	7.3	238
180970078	2011	3	12	10	V	0.02	5.1	9.97	253
180970078	2011	3	12	11	V	0.01	4	10.07	256
180970078	2011	3	12	12	V	0.01	3.2	11.53	254
180970078	2011	3	12	13	V	0.01	3.2	11.35	256
180970078	2011	3	12	14	V	0.01	2.7	10.57	260
180970078	2011	3	12	15	V	0.01	2.7	11.6	257
180970078	2011	3	12	16	V	0.01	2.5	11.65	270
180970078	2011	3	12	17	V	0.03	2.6	10.82	281
180970078	2011	3	12	18	V	0.03	2.3	8.73	293
180970078	2011	3	12	19	V	0.03	1.8	8.3	289
180970078	2011	3	12	20	V	0.03	1.5	6.87	284
180970078	2011	3	12	21	V	0.03	1.2	6.67	274
180970078	2011	3	12	22	V	0.03	1	6.55	281
180970078	2011	3	12	23	V	0.03	1.4	6.87	305
180970078	2011	3	12	24	V	0.03	1.1	5.96	309
180970078	2011	3	13	1	V	0.03	0.9	5.21	301
180970078	2011	3	13	2	V	0.03	0.8	4.31	302
180970078	2011	3	13	3	V	0.03	1.1	4.29	307
180970078	2011	3	13	4	V	0.04	1.2	4.7	324
180970078	2011	3	13	5	V	0.04	1.1	5.28	326
180970078	2011	3	13	6	V	0.04	1.2	5.09	329
180970078	2011	3	13	7	V	0.05	1.4	4.76	329
180970078	2011	3	13	8	V	0.06	1.1	4.73	348
180970078	2011	3	13	9	V	0.06	1	4.41	360
180970078	2011	3	13	10	V	0.2	1.3	2.45	28
180970078	2011	3	13	11	V	1.1	1.2	1.23	334
180970078	2011	3	13	12	V	0.9	1.4	1.33	355
180970078	2011	3	13	13	V	2.4	1.8	1.59	244
180970078	2011	3	13	14	V	0.5	2	1.86	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	13	15	V	0.3	1.7	2.23	265
180970078	2011	3	13	16	V	0.07	1.4	3.58	310
180970078	2011	3	13	17	V	0.04	1.6	4.14	329
180970078	2011	3	13	18	V	0.04	1.4	4.82	336
180970078	2011	3	13	19	V	0.04	1.3	4.54	346
180970078	2011	3	13	20	V	0.05	1	4.36	8
180970078	2011	3	13	21	V	0.05	1	4.36	13
180970078	2011	3	13	22	V	0.05	0.9	4.2	9
180970078	2011	3	13	23	V	0.04	-999	5.8	15
180970078	2011	3	13	24	V	0.04	1	5.8	28
180970078	2011	3	14	1	V	0.04	1	5.43	33
180970078	2011	3	14	2	V	0.04	1.2	4.1	35
180970078	2011	3	14	3	V	0.04	0.8	3.71	44
180970078	2011	3	14	4	V	0.04	1	3.71	49
180970078	2011	3	14	5	V	0.04	0.8	3.8	43
180970078	2011	3	14	6	V	0.05	0.8	4.71	42
180970078	2011	3	14	7	V	0.04	1	5	49
180970078	2011	3	14	8	V	0.03	0.9	5.94	64
180970078	2011	3	14	9	V	0.02	1	6.46	74
180970078	2011	3	14	10	V	0.02	1.2	6.72	76
180970078	2011	3	14	11	V	0.03	1	6.23	83
180970078	2011	3	14	12	V	0.02	0.8	5.67	81
180970078	2011	3	14	13	V	0.02	1	6.4	82
180970078	2011	3	14	14	V	0.01	0.9	7.01	83
180970078	2011	3	14	15	V	0.01	1.1	7.3	86
180970078	2011	3	14	16	V	0.01	1.3	7.35	90
180970078	2011	3	14	17	V	0.04	1.3	6.91	91
180970078	2011	3	14	18	V	0.04	1.5	5.58	90
180970078	2011	3	14	19	V	0.05	1.2	5.85	73
180970078	2011	3	14	20	V	0.05	1.3	5.6	72
180970078	2011	3	14	21	V	0.04	1.1	6.02	64
180970078	2011	3	14	22	V	0.04	1.1	7.13	57
180970078	2011	3	14	23	V	0.03	1.2	7.47	58
180970078	2011	3	14	24	V	0.03	1.1	7.52	61
180970078	2011	3	15	1	V	0.03	0.9	6.53	65
180970078	2011	3	15	2	V	0.03	0.9	6.4	72
180970078	2011	3	15	3	V	0.03	1.2	6.26	72
180970078	2011	3	15	4	V	0.04	1	6.28	75
180970078	2011	3	15	5	V	0.04	0.9	6.53	74
180970078	2011	3	15	6	V	0.05	1	6.35	75
180970078	2011	3	15	7	V	0.04	1.1	4.95	80
180970078	2011	3	15	8	V	0.06	1	4.78	70
180970078	2011	3	15	9	V	0.1	-999	4.07	79
180970078	2011	3	15	10	V	0.1	1.2	3.51	58
180970078	2011	3	15	11	V	0.06	1.3	4.37	63
180970078	2011	3	15	12	V	0.08	1.3	3.93	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	15	13	V	0.05	1.5	4.65	64
180970078	2011	3	15	14	V	0.07	1.4	3.97	155
180970078	2011	3	15	15	V	0.1	1.4	2.78	172
180970078	2011	3	15	16	V	0.07	1.5	2.62	242
180970078	2011	3	15	17	V	0.3	1.7	3.47	248
180970078	2011	3	15	18	V	0.06	1.6	2.36	271
180970078	2011	3	15	19	V	0.05	1.7	3.36	294
180970078	2011	3	15	20	V	0.1	1.6	3.97	257
180970078	2011	3	15	21	V	0.2	1.2	6.18	250
180970078	2011	3	15	22	V	0.3	1.5	4.97	251
180970078	2011	3	15	23	V	0.2	1.6	4.85	244
180970078	2011	3	15	24	V	0.2	1.4	6.26	250
180970078	2011	3	16	1	V	0.2	1.7	6.67	250
180970078	2011	3	16	2	V	0.2	2.2	6.52	245
180970078	2011	3	16	3	V	0.2	3	6.69	250
180970078	2011	3	16	4	V	0.2	3.1	5.73	251
180970078	2011	3	16	5	V	0.3	3.2	4.15	247
180970078	2011	3	16	6	V	0.1	3	5.19	256
180970078	2011	3	16	7	V	0.2	3.2	3.81	254
180970078	2011	3	16	8	V	1.4	3.2	3.83	234
180970078	2011	3	16	9	V	0.6	3.2	4.9	235
180970078	2011	3	16	10	V	0.4	2.8	4.56	239
180970078	2011	3	16	11	V	9.6	3	3.81	227
180970078	2011	3	16	12	V	6.3	4.5	4.24	228
180970078	2011	3	16	13	V	0.08	3.7	5.68	239
180970078	2011	3	16	14	V	0.3	2.6	5.19	235
180970078	2011	3	16	15	V	0.7	2.1	5.84	231
180970078	2011	3	16	16	V	0.03	1.8	6.09	238
180970078	2011	3	16	17	V	1.7	1.7	6.64	229
180970078	2011	3	16	18	V	11.0	1.8	5.94	221
180970078	2011	3	16	19	V	33.1	1.8	4.39	213
180970078	2011	3	16	20	V	0.04	2.6	3.64	197
180970078	2011	3	16	21	V	0.08	3.4	3.88	199
180970078	2011	3	16	22	V	0.03	3.9	3.46	194
180970078	2011	3	16	23	V	0.03	3.1	3.88	177
180970078	2011	3	16	24	V	0.03	2.5	4.05	183
180970078	2011	3	17	1	V	0.02	1.9	4.14	179
180970078	2011	3	17	2	V	0.02	1.9	3.56	165
180970078	2011	3	17	3	V	0.02	1.9	3.3	167
180970078	2011	3	17	4	V	0.02	2.1	3.95	178
180970078	2011	3	17	5	V	0.02	1.8	3.51	173
180970078	2011	3	17	6	V	0.03	2	3.81	163
180970078	2011	3	17	7	V	0.09	1.8	3.8	160
180970078	2011	3	17	8	V	0.1	2.3	3.78	160
180970078	2011	3	17	9	V	0.08	3.7	4.2	164
180970078	2011	3	17	10	V	0.03	5.3	5.68	185

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	17	11	V	0.07	5.9	6.28	194
180970078	2011	3	17	12	V	0.01	5.5	7.57	188
180970078	2011	3	17	13	V	0.2	5.3	8.9	200
180970078	2011	3	17	14	V	0.9	5.6	10.48	204
180970078	2011	3	17	15	V	0.03	5.7	11.87	198
180970078	2011	3	17	16	V	0.2	3.8	11.43	201
180970078	2011	3	17	17	V	1.1	3.5	10.14	200
180970078	2011	3	17	18	V	0.4	3.1	9.87	198
180970078	2011	3	17	19	V	6.2	3.1	7.83	206
180970078	2011	3	17	20	V	9.6	4.4	7.06	221
180970078	2011	3	17	21	V	2.5	4.9	8.61	228
180970078	2011	3	17	22	V	6.9	3.9	8.45	223
180970078	2011	3	17	23	V	0.7	3.2	8.06	232
180970078	2011	3	17	24	V	0.7	2.4	7.04	232
180970078	2011	3	18	1	V	3.2	2.2	6.96	227
180970078	2011	3	18	2	V	0.1	2.2	7.46	242
180970078	2011	3	18	3	V	0.2	1.8	5.36	245
180970078	2011	3	18	4	V	0.3	1.7	5.51	248
180970078	2011	3	18	5	V	0.2	1.8	4.36	255
180970078	2011	3	18	6	V	0.03	1.6	4.68	297
180970078	2011	3	18	7	V	0.02	1.7	5.39	327
180970078	2011	3	18	8	V	0.05	1.6	4.51	353
180970078	2011	3	18	9	V	0.09	1.7	4.27	2
180970078	2011	3	18	10	V	0.04	2	4.94	10
180970078	2011	3	18	11	V	0.09	2.1	3.83	13
180970078	2011	3	18	12	V	0.1	1.9	3.46	1
180970078	2011	3	18	13	V	0.06	1.4	4.29	339
180970078	2011	3	18	14	V	0.01	1.4	6.35	318
180970078	2011	3	18	15	V	0.02	1	5.38	351
180970078	2011	3	18	16	V	0.02	1.3	3.83	265
180970078	2011	3	18	17	V	0.03	1.2	3.59	285
180970078	2011	3	18	18	V	0.03	1.2	3.74	293
180970078	2011	3	18	19	V	0.03	1.2	3.83	297
180970078	2011	3	18	20	V	0.03	1.2	3.57	296
180970078	2011	3	18	21	V	0.03	1.3	3.29	300
180970078	2011	3	18	22	V	0.02	1.7	3.98	318
180970078	2011	3	18	23	V	0.02	1.3	3.81	340
180970078	2011	3	18	24	V	0.02	1.6	4.2	7
180970078	2011	3	19	1	V	0.02	1.6	4.15	16
180970078	2011	3	19	2	V	0.02	1.2	3.51	30
180970078	2011	3	19	3	V	0.02	1.4	2.98	39
180970078	2011	3	19	4	V	0.02	1.4	3.08	36
180970078	2011	3	19	5	V	0.02	1.3	3.34	39
180970078	2011	3	19	6	V	0.04	1.4	2.16	22
180970078	2011	3	19	7	V	0.3	1.1	2.32	29
180970078	2011	3	19	8	V	0.3	1.4	2.66	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	19	9	V	0.2	1.2	3.47	49
180970078	2011	3	19	10	V	0.07	1.3	4.7	56
180970078	2011	3	19	11	V	0.03	1.2	5.75	73
180970078	2011	3	19	12	V	0.03	1.5	4.97	69
180970078	2011	3	19	13	V	0.05	1.2	4.25	77
180970078	2011	3	19	14	V	0.03	1.3	4.36	59
180970078	2011	3	19	15	V	0.02	1.2	4.92	71
180970078	2011	3	19	16	V	0.02	0.9	5.19	73
180970078	2011	3	19	17	V	0.03	1	5.77	85
180970078	2011	3	19	18	V	0.03	0.8	5.53	84
180970078	2011	3	19	19	V	0.03	1	5.09	89
180970078	2011	3	19	20	V	0.04	1.1	4.02	83
180970078	2011	3	19	21	V	0.03	1.1	4.65	78
180970078	2011	3	19	22	V	0.03	0.9	5.28	75
180970078	2011	3	19	23	V	0.03	1.1	5.48	84
180970078	2011	3	19	24	V	0.03	1	5.67	95
180970078	2011	3	20	1	V	0.03	1.1	5.24	101
180970078	2011	3	20	2	V	0.02	1.2	5.21	104
180970078	2011	3	20	3	V	0.02	1.3	5.29	93
180970078	2011	3	20	4	V	0.02	0.8	5.46	103
180970078	2011	3	20	5	V	0.02	1	6.58	102
180970078	2011	3	20	6	V	0.02	1	5.96	103
180970078	2011	3	20	7	V	0.02	1.3	5.73	106
180970078	2011	3	20	8	V	0.06	1.7	4.17	126
180970078	2011	3	20	9	V	0.04	2	5.12	126
180970078	2011	3	20	10	V	0.02	1.7	6.41	112
180970078	2011	3	20	11	V	0.02	2	6.41	125
180970078	2011	3	20	12	V	0.02	2.9	6.11	125
180970078	2011	3	20	13	V	0.01	3.9	7.42	133
180970078	2011	3	20	14	V	0.01	5.7	6.4	143
180970078	2011	3	20	15	V	0.01	5.5	6.04	154
180970078	2011	3	20	16	V	0.02	4.7	4.92	165
180970078	2011	3	20	17	V	0.03	5.4	5.07	160
180970078	2011	3	20	18	V	0.03	3.5	5.11	155
180970078	2011	3	20	19	V	0.03	2.8	4.92	141
180970078	2011	3	20	20	V	0.03	2.2	5.31	142
180970078	2011	3	20	21	V	0.02	2.2	6.02	153
180970078	2011	3	20	22	V	0.03	2.5	5.62	170
180970078	2011	3	20	23	V	0.03	-999	3.71	193
180970078	2011	3	20	24	V	3.2	2.2	7.52	227
180970078	2011	3	21	1	V	0.8	3.1	8.95	231
180970078	2011	3	21	2	V	0.4	2.6	9.78	234
180970078	2011	3	21	3	V	0.2	2.5	9.42	235
180970078	2011	3	21	4	V	0.1	2.1	8.33	238
180970078	2011	3	21	5	V	0.1	2.1	7.99	237
180970078	2011	3	21	6	V	0.1	2	7.16	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	21	7	V	0.08	2	6.28	236
180970078	2011	3	21	8	V	0.2	2.1	4.31	239
180970078	2011	3	21	9	V	0.2	2	5.04	237
180970078	2011	3	21	10	V	0.05	2.2	6.74	244
180970078	2011	3	21	11	V	0.04	3.3	8.33	248
180970078	2011	3	21	12	V	0.04	3.1	7.6	242
180970078	2011	3	21	13	V	0.05	2.6	7.59	251
180970078	2011	3	21	14	V	0.07	3	6.67	250
180970078	2011	3	21	15	V	0.04	2.6	6.28	255
180970078	2011	3	21	16	V	0.03	2.2	6.18	257
180970078	2011	3	21	17	V	0.06	2.3	3.83	302
180970078	2011	3	21	18	V	0.05	2.1	3.8	287
180970078	2011	3	21	19	V	0.05	1.8	3.15	339
180970078	2011	3	21	20	V	0.05	1.4	3.4	338
180970078	2011	3	21	21	V	0.05	1.2	3.22	12
180970078	2011	3	21	22	V	0.05	1.2	3.03	12
180970078	2011	3	21	23	V	0.04	1.2	3.01	28
180970078	2011	3	21	24	V	0.05	1.4	2.42	56
180970078	2011	3	22	1	V	0.04	1.2	2.84	48
180970078	2011	3	22	2	V	0.04	1.2	4.12	59
180970078	2011	3	22	3	V	0.04	1.2	4.6	72
180970078	2011	3	22	4	V	0.03	1.3	5.53	56
180970078	2011	3	22	5	V	0.04	1.1	6.01	64
180970078	2011	3	22	6	V	0.04	1.2	6.16	71
180970078	2011	3	22	7	V	0.03	1.2	5.72	93
180970078	2011	3	22	8	V	0.07	1.4	4.63	121
180970078	2011	3	22	9	V	0.06	1.4	4.92	123
180970078	2011	3	22	10	V	0.05	1.5	5.63	117
180970078	2011	3	22	11	V	0.07	2	5.22	131
180970078	2011	3	22	12	V	0.2	2.2	4.05	140
180970078	2011	3	22	13	V	0.5	3.1	2.5	119
180970078	2011	3	22	14	V	0.4	4.6	3.22	111
180970078	2011	3	22	15	V	0.04	4.2	5.58	182
180970078	2011	3	22	16	V	8.3	4.1	6.65	209
180970078	2011	3	22	17	V	0.05	6.2	5.99	189
180970078	2011	3	22	18	V	19.0	3.3	2.76	220
180970078	2011	3	22	19	V	0.05	3.8	4.41	182
180970078	2011	3	22	20	V	0.05	3.3	3.8	161
180970078	2011	3	22	21	V	0.05	2.1	2.72	195
180970078	2011	3	22	22	V	1.6	1.8	5.29	230
180970078	2011	3	22	23	V	14.3	1.6	7.72	209
180970078	2011	3	22	24	V	16.4	3.5	7.28	214
180970078	2011	3	23	1	V	9.9	4.5	8.1	221
180970078	2011	3	23	2	V	0.7	3.2	8.69	232
180970078	2011	3	23	3	V	5.0	2.4	7.99	225
180970078	2011	3	23	4	V	10.2	2.6	7.79	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	23	5	V	7.3	2.9	8.54	223
180970078	2011	3	23	6	V	0.1	2.6	7.71	239
180970078	2011	3	23	7	V	0.02	2.1	7.38	297
180970078	2011	3	23	8	V	0.5	2.1	2.37	340
180970078	2011	3	23	9	V	0.4	1.8	2.81	158
180970078	2011	3	23	10	V	0.05	2.1	5.56	168
180970078	2011	3	23	11	V	0.1	2.1	7.45	196
180970078	2011	3	23	12	V	0.08	2.5	8.81	234
180970078	2011	3	23	13	V	0.02	3.6	11.38	254
180970078	2011	3	23	14	V	0.01	1.9	11.48	266
180970078	2011	3	23	15	V	0.01	1.2	11.97	273
180970078	2011	3	23	16	V	0.01	1.2	10.53	273
180970078	2011	3	23	17	V	0.03	1.4	11.45	267
180970078	2011	3	23	18	V	0.03	1.3	12.48	276
180970078	2011	3	23	19	V	0.03	1.6	10.37	306
180970078	2011	3	23	20	V	0.03	1.4	10.78	315
180970078	2011	3	23	21	V	0.03	1.5	10.63	315
180970078	2011	3	23	22	V	0.03	1.5	9.22	303
180970078	2011	3	23	23	V	0.04	1.7	6.89	307
180970078	2011	3	23	24	V	0.03	1.5	6.36	305
180970078	2011	3	24	1	V	0.03	1.8	6.36	305
180970078	2011	3	24	2	V	0.03	1.7	7.71	314
180970078	2011	3	24	3	V	0.03	1.9	7.32	312
180970078	2011	3	24	4	V	0.03	1.7	6.97	313
180970078	2011	3	24	5	V	0.03	1.4	7.31	333
180970078	2011	3	24	6	V	0.04	1.5	7.35	347
180970078	2011	3	24	7	V	0.01	1.4	7.65	345
180970078	2011	3	24	8	V	0.01	1.5	6.67	358
180970078	2011	3	24	9	V	0.02	1.5	5.89	358
180970078	2011	3	24	10	V	0.02	1.5	6.11	358
180970078	2011	3	24	11	V	0.03	1.2	5.39	2
180970078	2011	3	24	12	V	0.03	1.3	5.29	5
180970078	2011	3	24	13	V	0.03	1.1	5.51	360
180970078	2011	3	24	14	V	0.03	1.3	4.76	353
180970078	2011	3	24	15	V	0.04	1.4	3.78	21
180970078	2011	3	24	16	V	0.02	1.1	4.12	353
180970078	2011	3	24	17	V	0.05	1.3	4.36	334
180970078	2011	3	24	18	V	0.05	1.4	3.39	329
180970078	2011	3	24	19	V	0.05	1.4	2.55	344
180970078	2011	3	24	20	V	0.2	1.5	1.52	325
180970078	2011	3	24	21	V	0.2	1.4	1.71	270
180970078	2011	3	24	22	V	0.05	1.3	3.74	288
180970078	2011	3	24	23	V	0.05	1.7	4.36	2
180970078	2011	3	24	24	V	0.05	1.2	3.85	2
180970078	2011	3	25	1	V	0.05	1.2	2.93	2
180970078	2011	3	25	2	V	0.05	1.1	2.88	341

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	25	3	V	0.05	1.2	3.93	320
180970078	2011	3	25	4	V	0.05	1.1	4.32	345
180970078	2011	3	25	5	V	0.05	1.3	3.97	23
180970078	2011	3	25	6	V	0.06	1.5	4.41	24
180970078	2011	3	25	7	V	0.2	1.4	2.81	15
180970078	2011	3	25	8	V	0.6	1.1	1.98	4
180970078	2011	3	25	9	V	0.6	1.3	1.59	22
180970078	2011	3	25	10	V	1.9	1.1	0.86	354
180970078	2011	3	25	11	V	1.1	1.1	1.33	147
180970078	2011	3	25	12	V	0.9	1.3	1.23	310
180970078	2011	3	25	13	V	0.4	1.4	2.01	304
180970078	2011	3	25	14	V	0.3	1.7	2.2	304
180970078	2011	3	25	15	V	0.1	1.6	2.66	301
180970078	2011	3	25	16	V	0.03	1.4	3.12	284
180970078	2011	3	25	17	V	0.06	1.3	2.74	318
180970078	2011	3	25	18	V	0.05	1.2	3.17	343
180970078	2011	3	25	19	V	0.05	1	2.52	351
180970078	2011	3	25	20	V	0.05	1.4	3.78	36
180970078	2011	3	25	21	V	0.05	1.4	4.32	33
180970078	2011	3	25	22	V	0.05	1.1	3.51	35
180970078	2011	3	25	23	V	0.04	1	4.46	40
180970078	2011	3	25	24	V	0.04	1.1	4.44	48
180970078	2011	3	26	1	V	0.04	1.3	4.39	56
180970078	2011	3	26	2	V	0.04	1.1	4.56	57
180970078	2011	3	26	3	V	0.05	1.2	3.98	42
180970078	2011	3	26	4	V	0.05	1.2	5.09	43
180970078	2011	3	26	5	V	0.04	1.5	6.01	52
180970078	2011	3	26	6	V	0.06	1.3	5.79	59
180970078	2011	3	26	7	V	0.04	1.1	5.73	60
180970078	2011	3	26	8	V	0.02	1.2	6.72	68
180970078	2011	3	26	9	V	0.02	1.2	7.06	72
180970078	2011	3	26	10	V	0.02	1.2	6.58	75
180970078	2011	3	26	11	V	0.02	1.4	7.03	67
180970078	2011	3	26	12	V	0.02	1.6	6.7	66
180970078	2011	3	26	13	V	0.02	1.6	6.86	65
180970078	2011	3	26	14	V	0.02	1.5	5.8	74
180970078	2011	3	26	15	V	0.02	1.3	6.6	62
180970078	2011	3	26	16	V	0.01	1.1	7.13	50
180970078	2011	3	26	17	V	0.04	1.2	7.62	51
180970078	2011	3	26	18	V	0.04	1.3	7.4	56
180970078	2011	3	26	19	V	0.04	1.6	7.96	55
180970078	2011	3	26	20	V	0.04	1.4	6.75	60
180970078	2011	3	26	21	V	0.04	1.2	7.38	55
180970078	2011	3	26	22	V	0.04	0.9	7.16	46
180970078	2011	3	26	23	V	0.04	1.4	7.52	43
180970078	2011	3	26	24	V	0.04	1.2	6.87	44

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	27	1	V	0.03	1	6.4	49
180970078	2011	3	27	2	V	0.03	1.2	6.06	49
180970078	2011	3	27	3	V	0.03	1.4	5.6	47
180970078	2011	3	27	4	V	0.03	1.3	5.75	42
180970078	2011	3	27	5	V	0.03	1.4	5.68	41
180970078	2011	3	27	6	V	0.06	1.5	5.63	38
180970078	2011	3	27	7	V	0.04	1.7	5.65	39
180970078	2011	3	27	8	V	0.04	1.9	6.14	39
180970078	2011	3	27	9	V	0.03	1.7	6.02	44
180970078	2011	3	27	10	V	0.05	1.6	5.39	46
180970078	2011	3	27	11	V	0.04	2.2	5.56	48
180970078	2011	3	27	12	V	0.05	2.2	4.92	44
180970078	2011	3	27	13	V	0.05	2.5	5	43
180970078	2011	3	27	14	V	0.03	1.9	5.43	39
180970078	2011	3	27	15	V	0.03	1.5	5.05	36
180970078	2011	3	27	16	V	0.02	1.3	5.9	47
180970078	2011	3	27	17	V	0.05	1.3	5	44
180970078	2011	3	27	18	V	0.04	1.4	5.24	43
180970078	2011	3	27	19	V	0.04	1.3	5.34	49
180970078	2011	3	27	20	V	0.05	1.5	5.22	43
180970078	2011	3	27	21	V	0.04	1.9	4.85	47
180970078	2011	3	27	22	V	0.04	2.2	5.43	50
180970078	2011	3	27	23	V	0.05	-999	5.04	57
180970078	2011	3	27	24	V	0.04	1.7	3.97	62
180970078	2011	3	28	1	V	0.04	1.7	4.31	68
180970078	2011	3	28	2	V	0.04	1.4	3.91	63
180970078	2011	3	28	3	V	0.05	1.4	2.69	45
180970078	2011	3	28	4	V	0.05	1.8	2.81	17
180970078	2011	3	28	5	V	0.05	2.4	3.44	20
180970078	2011	3	28	6	V	0.06	2.5	3.47	35
180970078	2011	3	28	7	V	0.2	2.6	3.69	57
180970078	2011	3	28	8	V	0.09	2.3	4.56	72
180970078	2011	3	28	9	V	0.04	2.1	5.58	84
180970078	2011	3	28	10	V	0.06	2.1	4.94	81
180970078	2011	3	28	11	V	0.1	2.3	4.46	73
180970078	2011	3	28	12	V	0.1	1.9	4.36	74
180970078	2011	3	28	13	V	0.1	1.4	3.74	57
180970078	2011	3	28	14	V	0.1	1.3	3.54	22
180970078	2011	3	28	15	V	0.1	1	3.23	25
180970078	2011	3	28	16	V	0.06	1.2	3.41	25
180970078	2011	3	28	17	V	0.05	1.4	3.89	31
180970078	2011	3	28	18	V	0.04	1.5	4.09	39
180970078	2011	3	28	19	V	0.04	1.6	4.07	30
180970078	2011	3	28	20	V	0.04	1.9	4.1	41
180970078	2011	3	28	21	V	0.04	1.7	3.32	56
180970078	2011	3	28	22	V	0.06	1.8	2.57	61

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	28	23	V	0.05	2.1	2.84	60
180970078	2011	3	28	24	V	0.08	1.3	2.2	55
180970078	2011	3	29	1	V	0.06	1.3	2.54	34
180970078	2011	3	29	2	V	0.04	1.4	3.39	38
180970078	2011	3	29	3	V	0.04	1.3	4.03	32
180970078	2011	3	29	4	V	0.05	1.4	4.32	40
180970078	2011	3	29	5	V	0.05	1.5	4.1	42
180970078	2011	3	29	6	V	0.06	1.7	3.2	43
180970078	2011	3	29	7	V	0.3	1.9	2.5	42
180970078	2011	3	29	8	V	0.3	1.5	2.86	58
180970078	2011	3	29	9	V	0.1	1.7	4.14	82
180970078	2011	3	29	10	V	0.06	1.9	4.83	100
180970078	2011	3	29	11	V	0.08	1.8	3.98	86
180970078	2011	3	29	12	V	0.08	1.7	4.07	75
180970078	2011	3	29	13	V	0.07	1.9	4.29	91
180970078	2011	3	29	14	V	0.05	2	4.34	86
180970078	2011	3	29	15	V	0.09	2.1	3.92	73
180970078	2011	3	29	16	V	0.06	1.5	4.17	64
180970078	2011	3	29	17	V	0.06	1.8	4.27	79
180970078	2011	3	29	18	V	0.05	1.6	4.17	101
180970078	2011	3	29	19	V	0.05	1.6	4.03	108
180970078	2011	3	29	20	V	0.05	1.5	3.34	95
180970078	2011	3	29	21	V	0.05	1.7	3.81	79
180970078	2011	3	29	22	V	0.05	1.6	4.41	63
180970078	2011	3	29	23	V	0.04	1.7	4.9	73
180970078	2011	3	29	24	V	0.05	1.4	4.75	68
180970078	2011	3	30	1	V	0.04	2.2	3.97	49
180970078	2011	3	30	2	V	0.04	1.8	3.75	54
180970078	2011	3	30	3	V	0.04	1.5	4.24	63
180970078	2011	3	30	4	V	0.04	1.6	4.36	56
180970078	2011	3	30	5	V	0.04	1.4	5.17	42
180970078	2011	3	30	6	V	0.05	1.4	5.68	46
180970078	2011	3	30	7	V	0.02	1.4	6.09	47
180970078	2011	3	30	8	V	0.04	1.7	5.38	31
180970078	2011	3	30	9	V	0.03	1.8	5.99	4
180970078	2011	3	30	10	V	0.02	1.6	6.74	355
180970078	2011	3	30	11	V	0.06	1.1	4.83	11
180970078	2011	3	30	12	V	0.04	1.3	5.51	49
180970078	2011	3	30	13	V	0.02	1	6.58	31
180970078	2011	3	30	14	V	0.02	1.1	5.82	37
180970078	2011	3	30	15	V	0.03	1.1	4.34	57
180970078	2011	3	30	16	V	0.02	1.2	3.78	37
180970078	2011	3	30	17	V	0.05	1.3	4.7	25
180970078	2011	3	30	18	V	0.04	1.2	5.31	29
180970078	2011	3	30	19	V	0.04	1.1	4.27	51
180970078	2011	3	30	20	V	0.04	0.8	3.34	61

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	3	30	21	V	0.03	1	3.25	88
180970078	2011	3	30	22	V	0.05	1	2.56	109
180970078	2011	3	30	23	V	0.06	1.7	2.54	137
180970078	2011	3	30	24	V	0.08	2	2.08	153
180970078	2011	3	31	1	V	0.2	2.1	1.62	301
180970078	2011	3	31	2	C	-999	2	0	0
180970078	2011	3	31	3	V	0.6	2.6	1.03	89
180970078	2011	3	31	4	V	0.2	2.9	1.42	91
180970078	2011	3	31	5	V	2.2	3	0.53	357
180970078	2011	3	31	6	V	0.8	3.2	0.89	7
180970078	2011	3	31	7	V	2.1	3.8	1.09	3
180970078	2011	3	31	8	V	1.2	4.1	1.37	4
180970078	2011	3	31	9	V	1.0	3.7	1.62	354
180970078	2011	3	31	10	V	0.8	2.6	1.81	297
180970078	2011	3	31	11	V	0.7	6.8	1.93	308
180970078	2011	3	31	12	V	0.4	3.7	2.44	306
180970078	2011	3	31	13	V	0.7	3.5	1.99	279
180970078	2011	3	31	14	V	0.5	3.1	2.23	290
180970078	2011	3	31	15	V	0.3	2.8	1.99	292
180970078	2011	3	31	16	V	0.1	2.8	2.35	309
180970078	2011	3	31	17	V	0.06	3.1	2.39	296
180970078	2011	3	31	18	V	0.06	2.1	2.42	284
180970078	2011	3	31	19	V	0.3	1.9	1.3	305
180970078	2011	3	31	20	V	0.1	2.1	1.82	306
180970078	2011	3	31	21	V	0.2	1.8	1.64	328
180970078	2011	3	31	22	V	0.2	2.2	1.42	267
180970078	2011	3	31	23	V	0.4	2.8	1.2	241
180970078	2011	3	31	24	V	0.08	2.5	1.94	258
180970078	2011	4	1	1	V	0.2	3.5	1.77	254
180970078	2011	4	1	2	V	0.1	4.2	1.65	310
180970078	2011	4	1	3	V	0.06	3.8	2.13	275
180970078	2011	4	1	4	V	0.06	3.9	2.18	297
180970078	2011	4	1	5	V	0.1	3.6	1.69	329
180970078	2011	4	1	6	V	1.2	3.6	1.04	292
180970078	2011	4	1	7	V	1.9	3.9	1.14	278
180970078	2011	4	1	8	C	-999	3.7	0	0
180970078	2011	4	1	9	V	21.6	4.9	1.08	204
180970078	2011	4	1	10	V	31.9	4.5	3	217
180970078	2011	4	1	11	V	0.07	3.6	6.21	235
180970078	2011	4	1	12	V	0.04	3.3	4.37	286
180970078	2011	4	1	13	V	0.01	2.4	6.99	265
180970078	2011	4	1	14	V	0.01	2.3	6.55	263
180970078	2011	4	1	15	V	0.04	2.7	6.29	251
180970078	2011	4	1	16	V	0.1	2.2	7.69	232
180970078	2011	4	1	17	V	0.1	2.6	8.86	245
180970078	2011	4	1	18	V	0.3	2.3	3.22	250

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	1	19	V	0.1	2.3	2.06	239
180970078	2011	4	1	20	V	0.04	2	3.32	277
180970078	2011	4	1	21	V	0.04	2	2.95	262
180970078	2011	4	1	22	V	0.05	2.1	3.85	267
180970078	2011	4	1	23	V	0.04	2	6.91	285
180970078	2011	4	1	24	V	0.2	1.6	4.99	242
180970078	2011	4	2	1	V	0.1	1.7	4.27	240
180970078	2011	4	2	2	V	0.3	1.2	4.66	252
180970078	2011	4	2	3	V	0.03	1.2	4.42	263
180970078	2011	4	2	4	V	0.03	1.2	4	264
180970078	2011	4	2	5	V	0.03	1.4	4.65	275
180970078	2011	4	2	6	V	0.03	1.1	5.43	288
180970078	2011	4	2	7	V	0.05	1.1	5.36	276
180970078	2011	4	2	8	V	0.04	1.2	5.94	277
180970078	2011	4	2	9	V	0.03	1.1	6.09	285
180970078	2011	4	2	10	V	0.02	1.1	7.25	267
180970078	2011	4	2	11	V	0.01	1.2	8.35	274
180970078	2011	4	2	12	V	0.01	1.5	9.63	285
180970078	2011	4	2	13	V	0.01	1.5	9.34	285
180970078	2011	4	2	14	V	0.01	1.4	10.36	292
180970078	2011	4	2	15	V	0.01	1.3	10.94	288
180970078	2011	4	2	16	V	0.01	1.2	10.41	292
180970078	2011	4	2	17	V	0.04	1.2	10.89	300
180970078	2011	4	2	18	V	0.03	1.1	9.54	301
180970078	2011	4	2	19	V	0.03	1	7.5	310
180970078	2011	4	2	20	V	0.03	1.2	4.19	325
180970078	2011	4	2	21	V	0.06	1	2.44	317
180970078	2011	4	2	22	V	0.4	1.4	1.21	24
180970078	2011	4	2	23	V	0.2	2.4	1.37	74
180970078	2011	4	2	24	V	0.09	3.1	1.91	103
180970078	2011	4	3	1	V	0.05	2.9	2.57	119
180970078	2011	4	3	2	V	0.05	2.4	2.52	122
180970078	2011	4	3	3	V	0.04	2.1	3.76	137
180970078	2011	4	3	4	V	0.04	1.8	3.93	108
180970078	2011	4	3	5	V	0.04	2.1	4.48	147
180970078	2011	4	3	6	V	0.03	1.6	5.12	120
180970078	2011	4	3	7	V	0.03	2.7	5.87	131
180970078	2011	4	3	8	V	0.02	2.7	6.75	135
180970078	2011	4	3	9	V	0.01	3.5	8.01	142
180970078	2011	4	3	10	V	0.01	3.9	8.45	139
180970078	2011	4	3	11	V	0.01	3.6	8.32	147
180970078	2011	4	3	12	V	0.01	3	9.1	153
180970078	2011	4	3	13	V	0.01	2	10.27	167
180970078	2011	4	3	14	V	0.01	1.6	12.01	173
180970078	2011	4	3	15	V	0.01	1.7	13.18	192
180970078	2011	4	3	16	V	0.3	1.5	13.38	201

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	3	17	V	1.0	1.5	13.03	198
180970078	2011	4	3	18	V	5.5	1.5	12.36	203
180970078	2011	4	3	19	V	1.3	1.7	10.22	199
180970078	2011	4	3	20	V	0.1	1.8	8.35	194
180970078	2011	4	3	21	V	0.07	1.6	8.86	194
180970078	2011	4	3	22	V	6.8	1.7	11.45	204
180970078	2011	4	3	23	V	21.3	-999	12.86	215
180970078	2011	4	3	24	V	19.8	10.9	11.36	212
180970078	2011	4	4	1	V	11.4	8	11.57	221
180970078	2011	4	4	2	V	11.2	5.5	11.53	221
180970078	2011	4	4	3	V	11.1	3.8	11.94	221
180970078	2011	4	4	4	V	15.7	3.2	11.12	217
180970078	2011	4	4	5	V	17.4	3.3	11.97	216
180970078	2011	4	4	6	V	0.03	2.6	8.81	250
180970078	2011	4	4	7	V	4.6	2.3	7.89	220
180970078	2011	4	4	8	V	11.4	2.8	6.64	211
180970078	2011	4	4	9	V	14.7	2.9	5.87	216
180970078	2011	4	4	10	V	25.2	2.4	4.76	215
180970078	2011	4	4	11	V	0.6	2.4	3.91	234
180970078	2011	4	4	12	V	0.01	2.2	7.86	301
180970078	2011	4	4	13	V	0.01	2.2	8.05	304
180970078	2011	4	4	14	V	0.02	1.6	6.57	303
180970078	2011	4	4	15	V	0.04	1.7	4.71	287
180970078	2011	4	4	16	V	0.01	2	7.55	276
180970078	2011	4	4	17	V	0.04	2.1	8.15	290
180970078	2011	4	4	18	V	0.03	2.2	8.03	290
180970078	2011	4	4	19	V	0.03	2	7.89	290
180970078	2011	4	4	20	V	0.03	2	7.57	286
180970078	2011	4	4	21	V	0.03	1.7	7.42	284
180970078	2011	4	4	22	V	0.04	1.6	5.27	272
180970078	2011	4	4	23	V	0.03	1.6	6.45	284
180970078	2011	4	4	24	V	0.03	1.7	6.8	286
180970078	2011	4	5	1	V	0.03	1.6	6.79	293
180970078	2011	4	5	2	V	0.03	1.4	7.71	299
180970078	2011	4	5	3	V	0.03	1.5	7.14	307
180970078	2011	4	5	4	V	0.03	1.8	5.84	302
180970078	2011	4	5	5	V	0.04	1.5	5.68	295
180970078	2011	4	5	6	V	0.06	1.6	4.43	295
180970078	2011	4	5	7	V	0.1	1.6	4.1	286
180970078	2011	4	5	8	V	0.1	1.8	4.36	289
180970078	2011	4	5	9	V	0.03	1.4	6.01	290
180970078	2011	4	5	10	V	0.04	1.6	5.75	298
180970078	2011	4	5	11	V	0.02	1.7	6.41	295
180970078	2011	4	5	12	V	0.02	1.5	7.52	294
180970078	2011	4	5	13	V	0.01	1.2	7.86	285
180970078	2011	4	5	14	V	0.01	1	8.35	281

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	5	15	V	0.01	1.2	8.85	278
180970078	2011	4	5	16	V	0.01	1.2	8.79	274
180970078	2011	4	5	17	V	0.04	1.3	7.52	281
180970078	2011	4	5	18	V	0.04	0.9	6.89	269
180970078	2011	4	5	19	V	0.09	1.4	6.58	257
180970078	2011	4	5	20	V	0.1	1.4	4.49	236
180970078	2011	4	5	21	V	3.0	1.4	3.69	204
180970078	2011	4	5	22	V	0.04	4.2	3.68	183
180970078	2011	4	5	23	V	0.05	3.7	4.92	173
180970078	2011	4	5	24	V	0.04	2.4	5.46	170
180970078	2011	4	6	1	V	0.03	2.1	5.34	175
180970078	2011	4	6	2	V	0.03	1.9	5.41	179
180970078	2011	4	6	3	V	0.03	1.8	5.73	189
180970078	2011	4	6	4	V	0.04	2.3	6.07	195
180970078	2011	4	6	5	V	0.3	2	5.92	199
180970078	2011	4	6	6	V	11.2	2.3	6.84	212
180970078	2011	4	6	7	V	10.9	7.8	6.82	215
180970078	2011	4	6	8	V	7.8	22	7.2	218
180970078	2011	4	6	9	V	7.5	28.7	8.42	216
180970078	2011	4	6	10	V	5.7	26.2	9.51	217
180970078	2011	4	6	11	V	3.2	20.5	10.37	221
180970078	2011	4	6	12	V	0.8	15.4	11.58	228
180970078	2011	4	6	13	V	0.5	5.3	12.91	229
180970078	2011	4	6	14	V	1.0	3.6	11.24	227
180970078	2011	4	6	15	V	2.7	2.6	10.92	223
180970078	2011	4	6	16	V	4.4	2.9	10.56	220
180970078	2011	4	6	17	V	2.8	3	10.6	223
180970078	2011	4	6	18	V	13.4	3	8.5	220
180970078	2011	4	6	19	V	0.1	2.5	7.06	237
180970078	2011	4	6	20	V	0.2	2.1	5.07	237
180970078	2011	4	6	21	V	35.1	3.8	3.88	212
180970078	2011	4	6	22	V	32.5	8.1	3.42	215
180970078	2011	4	6	23	V	0.5	4.9	4.46	233
180970078	2011	4	6	24	V	0.1	2.6	3.61	241
180970078	2011	4	7	1	V	0.2	2.8	2.42	234
180970078	2011	4	7	2	V	0.8	2.5	1.28	236
180970078	2011	4	7	3	V	29.5	2.3	2.49	214
180970078	2011	4	7	4	V	0.05	1.9	2.72	321
180970078	2011	4	7	5	V	0.03	1.8	4.49	29
180970078	2011	4	7	6	V	0.06	1.6	4.65	32
180970078	2011	4	7	7	V	0.1	1.7	4.27	41
180970078	2011	4	7	8	V	0.09	1.9	4.66	48
180970078	2011	4	7	9	V	0.1	1.9	4.65	49
180970078	2011	4	7	10	V	0.1	2.2	4.73	42
180970078	2011	4	7	11	V	0.06	2.5	5	50
180970078	2011	4	7	12	V	0.04	2.3	5.5	63

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	7	13	V	0.04	2.4	5.41	68
180970078	2011	4	7	14	V	0.03	2.8	5.65	74
180970078	2011	4	7	15	V	0.02	2.5	5.62	69
180970078	2011	4	7	16	V	0.02	2.3	5.55	69
180970078	2011	4	7	17	V	0.04	1.8	7.2	56
180970078	2011	4	7	18	V	0.04	1.4	6.26	55
180970078	2011	4	7	19	V	0.04	1.3	6.96	56
180970078	2011	4	7	20	V	0.04	1.4	6.96	60
180970078	2011	4	7	21	V	0.04	1.2	6.21	59
180970078	2011	4	7	22	V	0.04	1.3	6.81	63
180970078	2011	4	7	23	V	0.04	1.4	7.18	73
180970078	2011	4	7	24	V	0.04	1.2	5.89	84
180970078	2011	4	8	1	V	0.03	1.3	6.99	101
180970078	2011	4	8	2	V	0.03	1.3	5.92	75
180970078	2011	4	8	3	V	0.03	1.2	6.57	19
180970078	2011	4	8	4	V	0.03	1.4	7.18	52
180970078	2011	4	8	5	V	0.03	1.4	5.58	67
180970078	2011	4	8	6	V	0.06	1.6	5.22	80
180970078	2011	4	8	7	V	0.3	1.5	3.03	89
180970078	2011	4	8	8	V	0.5	1.5	2.27	101
180970078	2011	4	8	9	V	0.4	1.6	2.71	122
180970078	2011	4	8	10	V	0.5	1.6	2.4	159
180970078	2011	4	8	11	V	40.9	2.1	2.35	214
180970078	2011	4	8	12	V	0.1	5.5	5.77	247
180970078	2011	4	8	13	V	0.04	3.3	6.19	267
180970078	2011	4	8	14	V	0.04	4.8	5.85	276
180970078	2011	4	8	15	V	0.04	5.2	5.79	289
180970078	2011	4	8	16	V	0.07	4.5	4.41	328
180970078	2011	4	8	17	V	0.02	3.4	4.94	337
180970078	2011	4	8	18	V	0.04	2.4	5.46	332
180970078	2011	4	8	19	V	0.04	1.7	4.97	346
180970078	2011	4	8	20	V	0.04	1.4	4.82	17
180970078	2011	4	8	21	V	0.05	1.4	4.68	27
180970078	2011	4	8	22	V	0.05	1.2	4.12	34
180970078	2011	4	8	23	V	0.04	1.7	3.37	52
180970078	2011	4	8	24	V	0.04	1.8	3.27	36
180970078	2011	4	9	1	V	0.04	1.8	2.52	70
180970078	2011	4	9	2	V	0.03	1.7	2.78	104
180970078	2011	4	9	3	V	0.03	2	2.86	110
180970078	2011	4	9	4	V	0.03	1.9	3.32	115
180970078	2011	4	9	5	V	0.03	1.7	3.63	89
180970078	2011	4	9	6	V	0.07	1.8	3.58	95
180970078	2011	4	9	7	V	0.04	2.1	4.51	111
180970078	2011	4	9	8	V	0.06	2.1	4.27	106
180970078	2011	4	9	9	V	0.06	2.2	4.41	92
180970078	2011	4	9	10	V	1.7	2.2	2.67	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	9	11	V	0.1	2.4	3.81	143
180970078	2011	4	9	12	V	0.01	2.4	7.42	21
180970078	2011	4	9	13	V	0.09	2.1	3.76	70
180970078	2011	4	9	14	V	0.1	2	3.61	103
180970078	2011	4	9	15	V	0.1	2.1	3.68	173
180970078	2011	4	9	16	V	0.2	2	3.66	188
180970078	2011	4	9	17	V	0.1	2.3	3.32	191
180970078	2011	4	9	18	V	0.02	1.9	3.58	182
180970078	2011	4	9	19	V	0.02	1.9	3.59	172
180970078	2011	4	9	20	V	0.03	1.8	2.81	138
180970078	2011	4	9	21	V	0.02	2.1	4.15	122
180970078	2011	4	9	22	V	0.02	2	4.41	137
180970078	2011	4	9	23	V	0.02	1.7	5.09	134
180970078	2011	4	9	24	V	0.02	1.6	5.85	136
180970078	2011	4	10	1	V	0.02	1.6	5.8	143
180970078	2011	4	10	2	V	0.02	1.4	4.87	145
180970078	2011	4	10	3	V	0.02	1.9	5.14	144
180970078	2011	4	10	4	V	0.02	1.8	5.36	144
180970078	2011	4	10	5	V	0.02	1.8	3.98	147
180970078	2011	4	10	6	V	0.06	1.9	3.74	144
180970078	2011	4	10	7	V	0.05	2	4.44	148
180970078	2011	4	10	8	V	0.02	2	5.67	156
180970078	2011	4	10	9	V	0.02	1.9	5.53	164
180970078	2011	4	10	10	V	0.03	2.1	5.39	177
180970078	2011	4	10	11	V	0.09	2.4	6.36	196
180970078	2011	4	10	12	V	1.4	3.3	9.56	226
180970078	2011	4	10	13	V	2.7	3	9.47	222
180970078	2011	4	10	14	V	2.3	2.6	9.76	223
180970078	2011	4	10	15	V	4.3	2.2	9.34	216
180970078	2011	4	10	16	V	2.0	2.8	9.83	208
180970078	2011	4	10	17	V	0.1	2.8	8.96	201
180970078	2011	4	10	18	V	9.2	2.9	10.07	209
180970078	2011	4	10	19	V	11.8	3.7	9.25	211
180970078	2011	4	10	20	V	14.2	4.9	8.42	214
180970078	2011	4	10	21	V	9.5	7	7.69	221
180970078	2011	4	10	22	V	12.7	7.3	8.85	217
180970078	2011	4	10	23	V	12.3	-999	10.02	218
180970078	2011	4	10	24	V	12.0	5	9.12	217
180970078	2011	4	11	1	V	9.4	6.3	9.58	213
180970078	2011	4	11	2	V	6.5	6.8	11.33	224
180970078	2011	4	11	3	V	4.5	3.8	10.85	226
180970078	2011	4	11	4	V	0.08	2.9	10.68	242
180970078	2011	4	11	5	V	0.02	2.1	6.81	276
180970078	2011	4	11	6	V	0.02	2	5.09	189
180970078	2011	4	11	7	V	3.4	2	6.66	207
180970078	2011	4	11	8	V	6.3	2	5.96	220

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	11	9	V	0.2	1.9	6.46	234
180970078	2011	4	11	10	V	4.3	2.1	6.67	222
180970078	2011	4	11	11	V	3.2	2.2	6.46	224
180970078	2011	4	11	12	V	0.9	2	6.18	229
180970078	2011	4	11	13	V	5.7	1.9	5.73	222
180970078	2011	4	11	14	V	2.6	1.8	4.46	227
180970078	2011	4	11	15	V	0.06	1.9	3.07	264
180970078	2011	4	11	16	V	0.01	2	5.55	274
180970078	2011	4	11	17	V	0.04	1.8	4.53	328
180970078	2011	4	11	18	V	0.03	1.7	4.61	337
180970078	2011	4	11	19	V	0.03	1.6	4.42	330
180970078	2011	4	11	20	V	0.03	1.6	3.39	360
180970078	2011	4	11	21	V	0.04	1.7	3.37	17
180970078	2011	4	11	22	V	0.03	1.5	5.24	15
180970078	2011	4	11	23	V	0.03	2	6.91	20
180970078	2011	4	11	24	V	0.03	1.5	6.91	12
180970078	2011	4	12	1	V	0.03	1.5	7.64	7
180970078	2011	4	12	2	V	0.03	1.5	7.91	9
180970078	2011	4	12	3	V	0.03	1.5	7.83	10
180970078	2011	4	12	4	V	0.03	1.6	7.13	6
180970078	2011	4	12	5	V	0.03	1.6	7.6	12
180970078	2011	4	12	6	V	0.01	1.5	8.33	18
180970078	2011	4	12	7	V	0.01	1.5	7.86	9
180970078	2011	4	12	8	V	0.02	1.6	7.57	7
180970078	2011	4	12	9	V	0.02	1.2	7.83	9
180970078	2011	4	12	10	V	0.02	1.1	7.35	4
180970078	2011	4	12	11	V	0.02	1.1	7.35	352
180970078	2011	4	12	12	V	0.03	1.3	6.79	12
180970078	2011	4	12	13	V	0.02	1.6	6.86	357
180970078	2011	4	12	14	V	0.02	1.4	6.45	347
180970078	2011	4	12	15	V	0.02	1.3	6.45	348
180970078	2011	4	12	16	V	0.02	1	6.18	341
180970078	2011	4	12	17	V	0.01	1	6.16	344
180970078	2011	4	12	18	V	0.03	1.2	5.75	338
180970078	2011	4	12	19	V	0.04	1.3	5.07	13
180970078	2011	4	12	20	V	0.04	1.2	4.07	18
180970078	2011	4	12	21	V	0.07	1	2.15	354
180970078	2011	4	12	22	V	0.07	1.5	2.33	342
180970078	2011	4	12	23	V	0.03	1.7	4.73	335
180970078	2011	4	12	24	V	0.03	1.4	3.51	343
180970078	2011	4	13	1	V	0.04	1.1	2.73	10
180970078	2011	4	13	2	V	0.07	1.5	2.08	355
180970078	2011	4	13	3	V	0.1	1.7	1.79	10
180970078	2011	4	13	4	V	0.05	1.8	2.33	20
180970078	2011	4	13	5	V	0.2	2.1	1.52	341
180970078	2011	4	13	6	V	0.9	2	1.37	342

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	13	7	V	1.4	2.3	1.4	358
180970078	2011	4	13	8	V	5.8	2.1	0.79	11
180970078	2011	4	13	9	V	11.7	2.7	1.18	235
180970078	2011	4	13	10	V	35.3	25.5	2.35	215
180970078	2011	4	13	11	V	31.0	9.6	1.96	209
180970078	2011	4	13	12	V	1.1	3.3	1.93	246
180970078	2011	4	13	13	V	0.4	2.3	2.06	266
180970078	2011	4	13	14	V	0.2	1.9	2.57	299
180970078	2011	4	13	15	V	0.2	1.5	2.16	324
180970078	2011	4	13	16	V	0.1	1.2	2.69	304
180970078	2011	4	13	17	V	0.02	1.3	2.64	306
180970078	2011	4	13	18	V	0.09	1	2.08	309
180970078	2011	4	13	19	V	0.1	1	1.99	312
180970078	2011	4	13	20	V	0.07	1.1	2.28	352
180970078	2011	4	13	21	V	0.05	1.7	2.76	2
180970078	2011	4	13	22	V	0.07	1.6	2.39	18
180970078	2011	4	13	23	V	0.08	1.6	2.04	34
180970078	2011	4	13	24	V	0.2	2.5	1.38	19
180970078	2011	4	14	1	V	0.9	3.2	0.86	358
180970078	2011	4	14	2	V	0.3	2.5	1.25	30
180970078	2011	4	14	3	V	0.3	2.8	1.25	57
180970078	2011	4	14	4	V	0.5	2.7	1.09	324
180970078	2011	4	14	5	V	0.2	2.7	1.35	39
180970078	2011	4	14	6	V	1.9	3	0.97	58
180970078	2011	4	14	7	V	1.0	2.9	1.71	23
180970078	2011	4	14	8	V	0.6	2.9	2.33	45
180970078	2011	4	14	9	V	0.4	2.8	2.86	91
180970078	2011	4	14	10	V	0.2	1.9	3.54	117
180970078	2011	4	14	11	V	0.09	1.8	4.03	125
180970078	2011	4	14	12	V	0.05	1.2	5.02	118
180970078	2011	4	14	13	V	0.04	0.9	4.97	111
180970078	2011	4	14	14	V	0.04	0.8	4.88	111
180970078	2011	4	14	15	V	0.02	1	5.58	102
180970078	2011	4	14	16	V	0.02	1.2	6.01	110
180970078	2011	4	14	17	V	0.01	1.2	5.84	112
180970078	2011	4	14	18	V	0.03	1.4	6.86	100
180970078	2011	4	14	19	V	0.03	1.2	6.14	95
180970078	2011	4	14	20	V	0.04	1.5	4.46	92
180970078	2011	4	14	21	V	0.04	1.3	4.26	87
180970078	2011	4	14	22	V	0.03	1.4	7.69	65
180970078	2011	4	14	23	V	0.04	1.1	7.57	66
180970078	2011	4	14	24	V	0.04	1.6	7.59	65
180970078	2011	4	15	1	V	0.03	1.7	7.72	66
180970078	2011	4	15	2	V	0.03	1.3	7.54	70
180970078	2011	4	15	3	V	0.03	1.4	6.72	69
180970078	2011	4	15	4	V	0.04	1.6	6.79	71

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	15	5	V	0.03	1.8	7.35	72
180970078	2011	4	15	6	V	0.01	1.6	7.89	75
180970078	2011	4	15	7	V	0.01	1.6	7.72	81
180970078	2011	4	15	8	V	0.01	1.8	8.35	88
180970078	2011	4	15	9	V	0.01	2	8.59	91
180970078	2011	4	15	10	V	0.01	1.3	7.6	89
180970078	2011	4	15	11	V	0.02	1.2	7.6	95
180970078	2011	4	15	12	V	0.02	1.4	7.48	102
180970078	2011	4	15	13	V	0.01	1.3	7.06	137
180970078	2011	4	15	14	V	0.03	1.7	5.19	123
180970078	2011	4	15	15	V	0.01	1.6	6.94	118
180970078	2011	4	15	16	V	0.01	1.7	8.34	134
180970078	2011	4	15	17	V	0.04	1.3	10.75	134
180970078	2011	4	15	18	V	0.04	1.3	9.97	132
180970078	2011	4	15	19	V	0.04	1.2	10.1	125
180970078	2011	4	15	20	V	0.03	1.1	8.74	130
180970078	2011	4	15	21	V	0.04	1.4	9.22	142
180970078	2011	4	15	22	V	0.03	1.2	9.27	145
180970078	2011	4	15	23	V	0.03	1.1	9.32	161
180970078	2011	4	15	24	V	0.03	1.1	5.7	191
180970078	2011	4	16	1	V	0.03	0.9	4.85	147
180970078	2011	4	16	2	V	0.03	1	5.67	128
180970078	2011	4	16	3	V	0.03	1.4	5.72	149
180970078	2011	4	16	4	V	0.03	1.3	5.43	168
180970078	2011	4	16	5	V	0.09	1.4	6.48	195
180970078	2011	4	16	6	V	7.0	1.2	6.86	216
180970078	2011	4	16	7	V	0.1	2	7.08	234
180970078	2011	4	16	8	V	0.9	1.4	6.91	228
180970078	2011	4	16	9	V	2.7	1.4	7.94	224
180970078	2011	4	16	10	V	0.3	1.6	8.61	231
180970078	2011	4	16	11	V	0.3	1.4	9.61	231
180970078	2011	4	16	12	V	0.01	1.5	10.1	241
180970078	2011	4	16	13	V	0.04	1.5	10.03	235
180970078	2011	4	16	14	V	0.5	1.6	9.68	229
180970078	2011	4	16	15	V	0.8	1.6	9.2	228
180970078	2011	4	16	16	V	0.02	1.6	10.99	243
180970078	2011	4	16	17	V	0.04	1.7	11.63	267
180970078	2011	4	16	18	V	0.03	1.7	10.8	270
180970078	2011	4	16	19	V	0.03	1.3	10.03	271
180970078	2011	4	16	20	V	0.03	1	8.76	270
180970078	2011	4	16	21	V	0.03	1	8.96	269
180970078	2011	4	16	22	V	0.03	0.8	8.81	272
180970078	2011	4	16	23	V	0.2	1.8	6.48	252
180970078	2011	4	16	24	V	0.4	1.1	6.12	234
180970078	2011	4	17	1	V	0.8	1.5	6.24	232
180970078	2011	4	17	2	V	0.7	1.4	6.92	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	17	3	V	1.1	1.5	6.13	230
180970078	2011	4	17	4	V	1.1	1.4	5.14	230
180970078	2011	4	17	5	V	0.8	1.9	5.02	232
180970078	2011	4	17	6	V	0.4	2	6.19	232
180970078	2011	4	17	7	V	0.1	1.7	6.4	237
180970078	2011	4	17	8	V	0.07	1.8	6.55	235
180970078	2011	4	17	9	V	0.04	1.5	8.11	246
180970078	2011	4	17	10	V	0.03	1.8	8.49	252
180970078	2011	4	17	11	V	0.02	2.1	9.05	255
180970078	2011	4	17	12	V	0.01	2.1	9.32	259
180970078	2011	4	17	13	V	0.01	1.8	8.95	267
180970078	2011	4	17	14	V	0.01	1.6	9.2	265
180970078	2011	4	17	15	V	0.01	1.5	8.37	265
180970078	2011	4	17	16	V	0.02	1.3	7.79	256
180970078	2011	4	17	17	V	0.02	1.5	7.86	255
180970078	2011	4	17	18	V	0.03	2	6.86	269
180970078	2011	4	17	19	V	0.04	1.7	4.07	312
180970078	2011	4	17	20	V	0.05	1.5	2.62	336
180970078	2011	4	17	21	V	0.06	1.4	2.42	11
180970078	2011	4	17	22	V	0.1	1.6	1.69	73
180970078	2011	4	17	23	V	0.1	-999	1.79	91
180970078	2011	4	17	24	V	0.04	1.4	3.86	125
180970078	2011	4	18	1	V	0.04	1.6	3.36	99
180970078	2011	4	18	2	V	0.04	1.4	2.86	59
180970078	2011	4	18	3	V	0.04	1.4	2.36	68
180970078	2011	4	18	4	V	0.04	1.3	3.36	87
180970078	2011	4	18	5	V	0.04	1.6	2.86	134
180970078	2011	4	18	6	V	0.1	1.3	2.86	348
180970078	2011	4	18	7	C	-999	1.4	0	0
180970078	2011	4	18	8	V	40.5	1.8	3.36	212
180970078	2011	4	18	9	V	1.2	2.4	7.46	228
180970078	2011	4	18	10	V	0.2	2.7	8.96	234
180970078	2011	4	18	11	V	0.02	1.7	9.06	254
180970078	2011	4	18	12	V	0.02	1.7	8.46	257
180970078	2011	4	18	13	V	0.01	1.7	7.96	275
180970078	2011	4	18	14	V	0.2	1.7	5.36	235
180970078	2011	4	18	15	V	0.08	1.8	5.36	254
180970078	2011	4	18	16	V	0.05	1.6	4.36	265
180970078	2011	4	18	17	V	0.02	1.8	4.86	261
180970078	2011	4	18	18	V	0.04	1.5	6.46	35
180970078	2011	4	18	19	V	0.04	1.4	6.96	39
180970078	2011	4	18	20	V	0.04	1.6	7.96	29
180970078	2011	4	18	21	V	0.04	1.5	7.46	49
180970078	2011	4	18	22	V	0.04	1.3	5.36	59
180970078	2011	4	18	23	V	0.04	1.5	6.46	73
180970078	2011	4	18	24	V	0.03	1.7	7.46	80

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	19	1	V	0.03	1.5	5.36	55
180970078	2011	4	19	2	V	0.04	1.4	3.86	49
180970078	2011	4	19	3	V	0.03	1.2	5.36	49
180970078	2011	4	19	4	V	0.03	1.3	5.96	60
180970078	2011	4	19	5	V	0.03	1.2	5.96	40
180970078	2011	4	19	6	V	0.01	1.3	6.96	25
180970078	2011	4	19	7	V	0.01	1.3	8.96	36
180970078	2011	4	19	8	V	0.02	1.4	6.46	85
180970078	2011	4	19	9	V	0.02	1.3	6.96	93
180970078	2011	4	19	10	V	0.02	1.5	6.46	87
180970078	2011	4	19	11	V	0.05	1.6	4.86	47
180970078	2011	4	19	12	V	0.02	1.7	6.46	128
180970078	2011	4	19	13	V	0.05	1.4	4.86	111
180970078	2011	4	19	14	V	0.3	1.6	2.36	116
180970078	2011	4	19	15	V	0.1	1.6	3.86	126
180970078	2011	4	19	16	V	0.01	1.7	6.96	168
180970078	2011	4	19	17	V	0.05	1.3	7.46	170
180970078	2011	4	19	18	V	0.04	1.7	5.96	166
180970078	2011	4	19	19	V	0.04	1.7	4.86	163
180970078	2011	4	19	20	V	0.05	1.5	3.4	156
180970078	2011	4	19	21	V	0.05	1.1	5.46	160
180970078	2011	4	19	22	V	11.8	1.5	7.57	221
180970078	2011	4	19	23	V	1.7	1.4	4.14	230
180970078	2011	4	19	24	V	0.2	1.3	6.4	243
180970078	2011	4	20	1	V	0.04	1	6.3	188
180970078	2011	4	20	2	V	0.04	1.5	9.53	171
180970078	2011	4	20	3	V	0.8	1.5	8.86	232
180970078	2011	4	20	4	V	0.03	1.5	9.66	274
180970078	2011	4	20	5	V	0.03	1.7	9.53	270
180970078	2011	4	20	6	V	0.01	1.6	8.61	273
180970078	2011	4	20	7	V	0.003	1.8	8.66	278
180970078	2011	4	20	8	V	0.003	1.4	8.81	276
180970078	2011	4	20	9	V	0.004	1.4	7.76	279
180970078	2011	4	20	10	V	0.004	1.2	7.54	284
180970078	2011	4	20	11	V	0.004	1.3	7.96	281
180970078	2011	4	20	12	V	0.004	1.3	7.4	279
180970078	2011	4	20	13	V	0.005	1.2	7.08	277
180970078	2011	4	20	14	V	0.005	1	7.11	286
180970078	2011	4	20	15	V	0.004	0.8	6.8	276
180970078	2011	4	20	16	V	0.005	1	6.84	278
180970078	2011	4	20	17	V	0.02	1.1	6.3	274
180970078	2011	4	20	18	V	0.02	1.2	5.68	281
180970078	2011	4	20	19	V	0.02	1.3	5.82	282
180970078	2011	4	20	20	V	0.03	1.1	5.05	286
180970078	2011	4	20	21	V	0.03	1.1	4.49	288
180970078	2011	4	20	22	V	0.03	1	4.12	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	20	23	V	0.02	1.2	3.29	302
180970078	2011	4	20	24	V	0.03	1.5	2.74	298
180970078	2011	4	21	1	V	0.02	1.6	3.85	326
180970078	2011	4	21	2	V	0.02	1.6	2.76	331
180970078	2011	4	21	3	V	0.09	1.4	1.65	290
180970078	2011	4	21	4	V	0.08	1.6	1.84	302
180970078	2011	4	21	5	V	0.1	1.7	1.47	333
180970078	2011	4	21	6	V	0.4	1.8	1.6	315
180970078	2011	4	21	7	V	0.5	1.8	1.89	351
180970078	2011	4	21	8	V	0.4	2.1	1.91	34
180970078	2011	4	21	9	V	0.2	2.1	2.4	44
180970078	2011	4	21	10	V	0.05	1.8	4.09	54
180970078	2011	4	21	11	V	0.03	1.4	5.05	44
180970078	2011	4	21	12	V	0.04	1.6	4.44	94
180970078	2011	4	21	13	V	0.03	1.2	4.77	105
180970078	2011	4	21	14	V	0.02	1	4.92	96
180970078	2011	4	21	15	V	0.02	0.9	5.05	87
180970078	2011	4	21	16	V	0.01	1	5.41	96
180970078	2011	4	21	17	V	0.01	0.9	6.45	93
180970078	2011	4	21	18	V	0.02	1	7.57	109
180970078	2011	4	21	19	V	0.02	1.1	6.69	116
180970078	2011	4	21	20	V	0.02	1.2	5.14	106
180970078	2011	4	21	21	V	0.03	1.3	4.65	102
180970078	2011	4	21	22	V	0.03	1.3	4.53	103
180970078	2011	4	21	23	V	0.03	1.7	5.65	101
180970078	2011	4	21	24	V	0.02	1.1	6.4	86
180970078	2011	4	22	1	V	0.02	0.8	4.83	56
180970078	2011	4	22	2	V	0.02	1	5.94	65
180970078	2011	4	22	3	V	0.02	0.8	6.7	69
180970078	2011	4	22	4	V	0.02	1.2	6.61	81
180970078	2011	4	22	5	V	0.02	1	7.96	100
180970078	2011	4	22	6	V	0.01	1.1	5.96	97
180970078	2011	4	22	7	V	0.01	1.3	5.96	115
180970078	2011	4	22	8	V	0.01	1.2	8.46	121
180970078	2011	4	22	9	V	0.01	1.7	6.96	96
180970078	2011	4	22	10	V	0.04	1.6	4.86	124
180970078	2011	4	22	11	V	0.01	1.6	5.96	119
180970078	2011	4	22	12	V	0.03	1.7	4.86	121
180970078	2011	4	22	13	V	0.04	1.9	4.36	115
180970078	2011	4	22	14	V	0.3	1.8	1.76	44
180970078	2011	4	22	15	V	0.1	1.9	2.36	120
180970078	2011	4	22	16	V	0.01	1.9	5.36	71
180970078	2011	4	22	17	V	0.03	2	7.46	139
180970078	2011	4	22	18	V	0.03	1.8	6.96	153
180970078	2011	4	22	19	V	0.03	1.8	4.86	159
180970078	2011	4	22	20	V	0.03	2.1	5.96	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	22	21	V	0.03	1.7	5.96	166
180970078	2011	4	22	22	V	0.03	1.5	4.86	158
180970078	2011	4	22	23	V	0.03	1.8	3.36	184
180970078	2011	4	22	24	V	4.6	1.8	9.56	207
180970078	2011	4	23	1	V	3.7	1.9	7.46	206
180970078	2011	4	23	2	V	7.5	1.7	7.96	210
180970078	2011	4	23	3	V	8.5	1.7	6.96	210
180970078	2011	4	23	4	V	3.4	1.7	6.46	227
180970078	2011	4	23	5	V	1.7	1.9	5.96	230
180970078	2011	4	23	6	V	7.0	1.7	4.86	221
180970078	2011	4	23	7	V	0.2	1.6	3.86	240
180970078	2011	4	23	8	V	0.08	1.6	3.86	295
180970078	2011	4	23	9	V	10.9	1.7	4.86	218
180970078	2011	4	23	10	V	0.07	1.7	5.36	241
180970078	2011	4	23	11	V	1.0	2.7	7.96	228
180970078	2011	4	23	12	V	0.09	2.5	5.36	240
180970078	2011	4	23	13	V	0.02	2.1	7.96	242
180970078	2011	4	23	14	V	7.9	2.4	6.46	217
180970078	2011	4	23	15	V	0.01	2	7.96	241
180970078	2011	4	23	16	V	0.01	1.7	10.06	239
180970078	2011	4	23	17	V	0.2	1.6	6.46	231
180970078	2011	4	23	18	V	0.1	1.6	2.86	239
180970078	2011	4	23	19	V	19.6	1.3	4.86	216
180970078	2011	4	23	20	V	0.04	1.6	3.36	195
180970078	2011	4	23	21	V	0.06	2.1	3.36	197
180970078	2011	4	23	22	V	1.4	1.9	3.36	230
180970078	2011	4	23	23	V	1.1	2.4	3.86	202
180970078	2011	4	23	24	C	-999	1.9	0	0
180970078	2011	4	24	1	V	0.06	2.1	1.76	34
180970078	2011	4	24	2	V	0.03	1.9	2.36	22
180970078	2011	4	24	3	V	0.03	2	2.36	21
180970078	2011	4	24	4	V	0.03	2	4.36	346
180970078	2011	4	24	5	V	0.03	1.8	5.36	7
180970078	2011	4	24	6	V	0.07	1.9	3.36	31
180970078	2011	4	24	7	V	0.08	1.5	3.86	36
180970078	2011	4	24	8	V	0.3	1.7	2.86	21
180970078	2011	4	24	9	V	0.1	1.9	3.86	36
180970078	2011	4	24	10	V	0.07	1.5	4.36	38
180970078	2011	4	24	11	V	0.6	1.4	1.76	66
180970078	2011	4	24	12	V	0.2	1.3	2.86	163
180970078	2011	4	24	13	C	-999	1.3	0	0
180970078	2011	4	24	14	V	0.4	1.5	1.76	32
180970078	2011	4	24	15	C	-999	1.3	0	0
180970078	2011	4	24	16	V	0.08	1.2	2.86	320
180970078	2011	4	24	17	C	-999	1.4	0	0
180970078	2011	4	24	18	C	-999	1.2	0	0

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	24	19	V	0.1	1.6	1.76	51
180970078	2011	4	24	20	V	0.05	1.6	2.36	119
180970078	2011	4	24	21	V	0.05	1.7	2.86	88
180970078	2011	4	24	22	V	0.05	1.3	2.36	100
180970078	2011	4	24	23	V	0.09	-999	1.76	85
180970078	2011	4	24	24	V	0.09	1.5	1.76	80
180970078	2011	4	25	1	V	0.04	1.7	2.56	106
180970078	2011	4	25	2	V	0.06	1.6	2.03	128
180970078	2011	4	25	3	V	0.3	1.4	1.18	130
180970078	2011	4	25	4	V	0.2	1.8	1.37	86
180970078	2011	4	25	5	V	0.05	1.8	2.16	96
180970078	2011	4	25	6	V	0.1	2	3.12	88
180970078	2011	4	25	7	V	0.3	2	2.78	123
180970078	2011	4	25	8	V	0.9	1.7	1.77	122
180970078	2011	4	25	9	V	0.6	1.9	2.3	99
180970078	2011	4	25	10	V	0.7	1.9	2.08	86
180970078	2011	4	25	11	V	0.4	1.6	2.84	76
180970078	2011	4	25	12	V	0.2	1.4	3.13	32
180970078	2011	4	25	13	V	0.1	1.1	4.25	328
180970078	2011	4	25	14	V	0.2	0.9	3.05	340
180970078	2011	4	25	15	V	0.4	1.2	2.59	248
180970078	2011	4	25	16	V	32.2	1.3	4.03	213
180970078	2011	4	25	17	V	0.02	1.3	4.07	182
180970078	2011	4	25	18	V	3.7	1.3	3.41	203
180970078	2011	4	25	19	V	0.06	1.2	2.42	129
180970078	2011	4	25	20	V	0.05	1.4	3.57	111
180970078	2011	4	25	21	V	0.04	1.6	3.63	120
180970078	2011	4	25	22	V	0.04	1.1	3.8	110
180970078	2011	4	25	23	V	0.04	1.2	4.39	103
180970078	2011	4	25	24	V	0.03	1.3	6.16	120
180970078	2011	4	26	1	V	0.03	1	7.28	124
180970078	2011	4	26	2	V	0.03	1.1	7.48	130
180970078	2011	4	26	3	V	0.03	1.2	8.52	139
180970078	2011	4	26	4	V	0.03	1.4	9.75	151
180970078	2011	4	26	5	V	0.03	1.2	9.97	189
180970078	2011	4	26	6	V	0.03	1.1	7.43	195
180970078	2011	4	26	7	V	3.0	1.1	9.71	207
180970078	2011	4	26	8	V	0.02	1.4	7.6	193
180970078	2011	4	26	9	V	0.01	1.6	9.22	187
180970078	2011	4	26	10	V	0.01	1.7	9.88	185
180970078	2011	4	26	11	V	0.01	1.5	9.8	185
180970078	2011	4	26	12	V	0.01	1.5	9.56	191
180970078	2011	4	26	13	V	0.02	2.1	10.29	196
180970078	2011	4	26	14	V	0.1	2	10.44	199
180970078	2011	4	26	15	V	0.01	1.6	9.9	186
180970078	2011	4	26	16	V	0.01	1.9	9.81	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	26	17	V	0.01	1.7	10.1	187
180970078	2011	4	26	18	V	1.7	1.5	8.47	200
180970078	2011	4	26	19	V	24.1	1.9	7.91	211
180970078	2011	4	26	20	V	0.2	2.4	5.79	197
180970078	2011	4	26	21	V	0.04	2.1	3.25	182
180970078	2011	4	26	22	V	0.04	1.5	2.88	147
180970078	2011	4	26	23	V	0.04	1.5	3.35	143
180970078	2011	4	26	24	V	0.04	1.7	2.81	146
180970078	2011	4	27	1	V	0.04	1.7	4	136
180970078	2011	4	27	2	V	0.03	1.7	6.52	159
180970078	2011	4	27	3	V	0.04	1.5	5.04	136
180970078	2011	4	27	4	V	0.03	1.5	5.27	110
180970078	2011	4	27	5	V	0.04	1.4	6.07	115
180970078	2011	4	27	6	V	0.02	1.3	6.35	136
180970078	2011	4	27	7	V	0.02	1.4	6.87	148
180970078	2011	4	27	8	V	0.03	1.2	6.11	175
180970078	2011	4	27	9	V	0.3	1.3	7.3	198
180970078	2011	4	27	10	V	5.0	1.4	9.44	217
180970078	2011	4	27	11	V	2.3	1.4	9.71	224
180970078	2011	4	27	12	V	1.2	1.4	8.93	227
180970078	2011	4	27	13	V	5.7	1.4	6.24	222
180970078	2011	4	27	14	V	10.6	1.3	4.22	220
180970078	2011	4	27	15	V	0.07	1.5	3.37	263
180970078	2011	4	27	16	V	0.4	1.3	1.79	337
180970078	2011	4	27	17	V	0.02	1.5	2.05	19
180970078	2011	4	27	18	V	0.05	1.6	3.41	105
180970078	2011	4	27	19	V	0.05	1.6	3.49	155
180970078	2011	4	27	20	V	0.05	1.5	5.41	141
180970078	2011	4	27	21	V	0.05	1.3	4.71	135
180970078	2011	4	27	22	V	0.05	1.4	4.83	153
180970078	2011	4	27	23	V	0.03	1.6	7.5	168
180970078	2011	4	27	24	V	0.02	-999	15.81	288
180970078	2011	4	28	1	V	0.02	1	13.47	280
180970078	2011	4	28	2	V	0.02	1.1	11.94	278
180970078	2011	4	28	3	V	0.03	1.1	8.27	267
180970078	2011	4	28	4	V	0.2	1.3	6.91	252
180970078	2011	4	28	5	V	0.2	1.5	5.58	237
180970078	2011	4	28	6	V	8.1	1.3	5.41	221
180970078	2011	4	28	7	V	20.4	2	5.21	211
180970078	2011	4	28	8	V	6.0	2.3	7.49	220
180970078	2011	4	28	9	V	0.4	1.7	8.88	231
180970078	2011	4	28	10	V	0.8	2	9.07	229
180970078	2011	4	28	11	V	0.2	2.6	8.71	233
180970078	2011	4	28	12	V	0.3	2.5	10.58	231
180970078	2011	4	28	13	V	0.01	2	11.7	239
180970078	2011	4	28	14	V	0.04	1.8	11.06	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	28	15	V	0.03	2.1	9.68	251
180970078	2011	4	28	16	V	0.03	1.9	9.2	245
180970078	2011	4	28	17	V	0.01	1.5	8.95	260
180970078	2011	4	28	18	V	0.04	1.5	10.82	277
180970078	2011	4	28	19	V	0.03	1.2	9.03	291
180970078	2011	4	28	20	V	0.04	1.1	7.21	298
180970078	2011	4	28	21	V	0.04	1.1	6.69	292
180970078	2011	4	28	22	V	0.05	0.9	4.7	297
180970078	2011	4	28	23	V	0.04	1	3.12	300
180970078	2011	4	28	24	V	0.03	0.9	3.63	294
180970078	2011	4	29	1	V	0.04	1	2.72	263
180970078	2011	4	29	2	V	0.4	1.1	3.05	251
180970078	2011	4	29	3	V	0.03	1.5	2.96	269
180970078	2011	4	29	4	V	0.04	1.4	3.32	286
180970078	2011	4	29	5	V	0.05	1.5	3.64	298
180970078	2011	4	29	6	V	0.07	1.6	4.29	307
180970078	2011	4	29	7	V	0.06	1.5	4.94	314
180970078	2011	4	29	8	V	0.03	1.2	6.01	322
180970078	2011	4	29	9	V	0.03	1.2	6.11	325
180970078	2011	4	29	10	V	0.07	1.4	4.99	321
180970078	2011	4	29	11	V	0.1	1.3	3.78	346
180970078	2011	4	29	12	V	0.3	1.6	2.98	323
180970078	2011	4	29	13	V	0.6	1.6	2.08	318
180970078	2011	4	29	14	V	0.5	1.4	2.2	314
180970078	2011	4	29	15	V	0.5	1.2	2.06	319
180970078	2011	4	29	16	V	0.2	1.1	2.25	279
180970078	2011	4	29	17	V	0.5	0.9	1.14	273
180970078	2011	4	29	18	V	14.5	1.1	1.08	204
180970078	2011	4	29	19	V	16.9	1.3	0.96	225
180970078	2011	4	29	20	V	0.5	1.5	1.06	143
180970078	2011	4	29	21	V	0.2	1.1	1.59	88
180970078	2011	4	29	22	V	0.03	1.6	3	109
180970078	2011	4	29	23	V	0.02	1.1	3.22	124
180970078	2011	4	29	24	V	0.02	1.3	3.23	115
180970078	2011	4	30	1	V	0.02	1.1	3.44	112
180970078	2011	4	30	2	V	0.01	0.9	3.73	100
180970078	2011	4	30	3	V	0.01	1.1	3.44	106
180970078	2011	4	30	4	V	0.01	1	3.4	110
180970078	2011	4	30	5	V	0.03	1	3.52	112
180970078	2011	4	30	6	V	0.02	0.8	4.9	113
180970078	2011	4	30	7	V	0.01	1.7	5.8	124
180970078	2011	4	30	8	V	0.01	2.2	6.3	126
180970078	2011	4	30	9	V	0.01	2.9	7.77	130
180970078	2011	4	30	10	V	0.004	3.5	8.81	133
180970078	2011	4	30	11	V	0.004	3.3	8.83	130
180970078	2011	4	30	12	V	0.004	3.7	8.51	136

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	4	30	13	V	0.004	3.4	9.29	136
180970078	2011	4	30	14	V	0.004	3.1	9.12	139
180970078	2011	4	30	15	V	0.003	3.3	9.68	154
180970078	2011	4	30	16	V	0.004	1.7	8.79	157
180970078	2011	4	30	17	V	0.004	1.7	8.15	154
180970078	2011	4	30	18	V	0.01	1.3	7.35	162
180970078	2011	4	30	19	V	0.02	1.5	5.79	170
180970078	2011	4	30	20	V	0.02	1.5	5.43	165
180970078	2011	4	30	21	V	0.02	1.7	4.39	154
180970078	2011	4	30	22	V	0.02	1.6	5.53	157
180970078	2011	4	30	23	V	0.02	1.7	3.47	177
180970078	2011	4	30	24	V	0.02	1.7	3.37	172
180970078	2011	5	1	1	V	0.02	1.7	4.59	182
180970078	2011	5	1	2	V	0.02	1.7	3.69	187
180970078	2011	5	1	3	V	8.5	1.2	5.87	219
180970078	2011	5	1	4	V	0.04	1.4	3.78	199
180970078	2011	5	1	5	V	1.2	1.4	3.74	205
180970078	2011	5	1	6	V	0.04	1.3	3.81	187
180970078	2011	5	1	7	V	0.05	1.6	3.66	186
180970078	2011	5	1	8	V	10.2	1.6	3.46	216
180970078	2011	5	1	9	V	2.1	1.8	3.56	202
180970078	2011	5	1	10	V	4.8	1.8	5.05	212
180970078	2011	5	1	11	V	4.1	1.3	4.39	226
180970078	2011	5	1	12	V	0.4	1.7	3.2	237
180970078	2011	5	1	13	V	6.8	1.3	3.3	222
180970078	2011	5	1	14	V	1.0	1.2	3.51	202
180970078	2011	5	1	15	V	0.3	2	3.61	199
180970078	2011	5	1	16	V	1.0	1.9	3.85	204
180970078	2011	5	1	17	V	0.01	2.6	5.36	324
180970078	2011	5	1	18	V	0.02	2.6	4.46	338
180970078	2011	5	1	19	V	0.01	1.8	5.34	308
180970078	2011	5	1	20	V	0.01	1	5.89	308
180970078	2011	5	1	21	V	0.02	1.1	4.22	354
180970078	2011	5	1	22	V	0.02	0.9	3.25	35
180970078	2011	5	1	23	V	0.04	-999	1.76	47
180970078	2011	5	1	24	V	0.03	0.9	2.27	351
180970078	2011	5	2	1	V	0.02	1.4	4.22	291
180970078	2011	5	2	2	V	0.02	1	4.07	340
180970078	2011	5	2	3	V	0.03	1.3	4.2	15
180970078	2011	5	2	4	V	0.03	1.3	3.9	21
180970078	2011	5	2	5	V	0.04	1.2	4.03	8
180970078	2011	5	2	6	V	0.02	1.7	5.36	358
180970078	2011	5	2	7	V	0.03	1.1	5.38	7
180970078	2011	5	2	8	V	0.02	1.2	5.73	16
180970078	2011	5	2	9	V	0.03	0.8	5.77	47
180970078	2011	5	2	10	V	0.08	1	4.56	47

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	2	11	V	0.3	1.3	3.1	36
180970078	2011	5	2	12	V	0.3	0.9	3.25	15
180970078	2011	5	2	13	V	0.2	-999	3.4	360
180970078	2011	5	2	14	V	0.2	0.8	3.69	8
180970078	2011	5	2	15	V	0.08	1	4.12	3
180970078	2011	5	2	16	V	0.09	0.8	2.91	8
180970078	2011	5	2	17	V	0.02	1	2.5	19
180970078	2011	5	2	18	V	0.06	1.1	3.1	9
180970078	2011	5	2	19	V	0.05	1.1	3.85	10
180970078	2011	5	2	20	V	0.06	1.1	2.98	360
180970078	2011	5	2	21	V	0.06	1	3.01	17
180970078	2011	5	2	22	V	0.05	1.1	3.32	47
180970078	2011	5	2	23	V	0.05	1.5	3.95	17
180970078	2011	5	2	24	V	0.04	1.5	3.51	36
180970078	2011	5	3	1	V	0.04	1.7	3.13	31
180970078	2011	5	3	2	V	0.04	1.6	4.1	40
180970078	2011	5	3	3	V	0.04	1	3.13	12
180970078	2011	5	3	4	V	0.04	1.3	3.3	352
180970078	2011	5	3	5	V	0.05	1.3	3.32	4
180970078	2011	5	3	6	V	0.3	1.4	2.01	9
180970078	2011	5	3	7	V	0.4	1.7	2.57	2
180970078	2011	5	3	8	V	0.6	1.4	2.28	340
180970078	2011	5	3	9	V	0.5	1.5	2.56	326
180970078	2011	5	3	10	V	1.3	1.4	1.57	297
180970078	2011	5	3	11	V	0.8	1	2.05	285
180970078	2011	5	3	12	V	0.6	1.7	2.66	280
180970078	2011	5	3	13	V	0.2	1.6	3.73	309
180970078	2011	5	3	14	V	0.06	1.2	5.43	315
180970078	2011	5	3	15	V	0.04	1.2	5.24	323
180970078	2011	5	3	16	V	0.03	1.1	5.07	289
180970078	2011	5	3	17	V	0.02	1	5.48	290
180970078	2011	5	3	18	V	0.05	1	4.39	281
180970078	2011	5	3	19	V	0.04	1.1	4.27	287
180970078	2011	5	3	20	V	0.05	1.3	4.82	295
180970078	2011	5	3	21	V	0.04	1	6.69	298
180970078	2011	5	3	22	V	0.03	1.1	5.91	301
180970078	2011	5	3	23	V	0.03	1.3	4.04	285
180970078	2011	5	3	24	V	0.03	1.1	4.19	273
180970078	2011	5	4	1	V	0.03	0.6	4.15	271
180970078	2011	5	4	2	V	0.03	0.9	5.5	303
180970078	2011	5	4	3	V	0.03	1.2	6.65	325
180970078	2011	5	4	4	V	0.03	1.1	7.65	330
180970078	2011	5	4	5	V	0.03	1.2	7.35	336
180970078	2011	5	4	6	V	0.01	1.3	7.03	338
180970078	2011	5	4	7	V	0.02	1.6	6.74	337
180970078	2011	5	4	8	V	0.02	1.2	7.18	338

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	4	9	V	0.02	1.2	7.38	347
180970078	2011	5	4	10	V	0.03	0.6	7.03	354
180970078	2011	5	4	11	V	0.03	1	6.19	343
180970078	2011	5	4	12	V	0.03	0.8	5.43	339
180970078	2011	5	4	13	V	0.05	0.9	4.61	328
180970078	2011	5	4	14	V	0.03	0.9	5.41	312
180970078	2011	5	4	15	V	0.03	0.9	5.09	309
180970078	2011	5	4	16	V	0.02	1	5.44	303
180970078	2011	5	4	17	V	0.01	0.9	5.14	311
180970078	2011	5	4	18	V	0.03	1.1	3.95	304
180970078	2011	5	4	19	V	0.3	1.1	1.14	261
180970078	2011	5	4	20	V	3.4	1	1.42	230
180970078	2011	5	4	21	V	1.0	1.5	1.84	200
180970078	2011	5	4	22	V	0.05	1.9	2.86	241
180970078	2011	5	4	23	V	0.2	2.6	3.1	244
180970078	2011	5	4	24	V	0.1	2.4	2.11	242
180970078	2011	5	5	1	V	0.2	2.2	1.4	275
180970078	2011	5	5	2	V	0.1	2.6	1.65	262
180970078	2011	5	5	3	V	0.1	2.9	2.4	243
180970078	2011	5	5	4	V	0.1	2.8	1.64	267
180970078	2011	5	5	5	V	0.08	3.4	1.77	65
180970078	2011	5	5	6	V	5.0	3.3	0.55	121
180970078	2011	5	5	7	V	4.0	3.3	0.92	252
180970078	2011	5	5	8	V	1.8	3.2	1.25	143
180970078	2011	5	5	9	V	0.4	2.3	2.52	167
180970078	2011	5	5	10	V	0.1	1.8	3.73	175
180970078	2011	5	5	11	V	0.05	2	4.71	175
180970078	2011	5	5	12	V	0.04	1.5	4.83	182
180970078	2011	5	5	13	V	0.05	3	4.8	172
180970078	2011	5	5	14	V	1.3	2.1	4.88	200
180970078	2011	5	5	15	V	0.03	0.8	4.82	187
180970078	2011	5	5	16	V	4.0	2.3	4.68	204
180970078	2011	5	5	17	V	0.02	4.2	5.19	190
180970078	2011	5	5	18	V	0.04	2.4	4.83	184
180970078	2011	5	5	19	V	0.03	2	4.46	177
180970078	2011	5	5	20	V	0.04	1.3	4.02	176
180970078	2011	5	5	21	V	0.04	1.5	3.8	185
180970078	2011	5	5	22	V	0.05	1	3.01	197
180970078	2011	5	5	23	V	0.04	1.2	3.54	186
180970078	2011	5	5	24	V	0.04	1.2	3.51	186
180970078	2011	5	6	1	V	0.04	1.1	3.51	276
180970078	2011	5	6	2	V	0.04	1.1	2.69	303
180970078	2011	5	6	3	V	0.04	1.1	3.01	310
180970078	2011	5	6	4	V	0.2	1	1.14	323
180970078	2011	5	6	5	C	-999	1.2	0	0
180970078	2011	5	6	6	V	0.8	1.4	1.59	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	6	7	V	21.5	1.4	2.44	206
180970078	2011	5	6	8	V	0.5	1.4	3.07	246
180970078	2011	5	6	9	V	0.2	1.4	3.74	264
180970078	2011	5	6	10	V	0.2	1.2	3.98	266
180970078	2011	5	6	11	V	0.4	1	3.35	247
180970078	2011	5	6	12	V	0.4	1.4	3.78	242
180970078	2011	5	6	13	V	0.06	1.2	5.56	255
180970078	2011	5	6	14	V	0.02	0.9	6.6	262
180970078	2011	5	6	15	V	0.02	0.9	6.4	269
180970078	2011	5	6	16	V	0.02	1.2	6.74	260
180970078	2011	5	6	17	V	0.02	1.1	5.97	255
180970078	2011	5	6	18	V	0.2	1	6.75	244
180970078	2011	5	6	19	V	0.3	1.2	4.6	248
180970078	2011	5	6	20	V	0.2	1.3	4.58	243
180970078	2011	5	6	21	V	14.4	1.1	3.29	221
180970078	2011	5	6	22	V	9.7	1.2	3.07	223
180970078	2011	5	6	23	V	12.5	1.3	2.93	215
180970078	2011	5	6	24	V	3.2	1.3	3.01	226
180970078	2011	5	7	1	V	17.4	1.4	2.81	218
180970078	2011	5	7	2	V	10.6	1.2	2.76	215
180970078	2011	5	7	3	V	16.8	1.5	2.49	218
180970078	2011	5	7	4	V	7.1	1.2	2.33	212
180970078	2011	5	7	5	V	3.3	1.2	3.22	206
180970078	2011	5	7	6	V	2.9	1.2	2.44	202
180970078	2011	5	7	7	V	0.07	1.3	3.2	182
180970078	2011	5	7	8	V	0.2	1.5	2.74	186
180970078	2011	5	7	9	V	10.1	1.4	2.52	212
180970078	2011	5	7	10	V	0.06	1.5	4.03	182
180970078	2011	5	7	11	V	0.01	2.4	6.35	186
180970078	2011	5	7	12	V	0.01	3.1	7.72	196
180970078	2011	5	7	13	V	0.01	3	7.94	188
180970078	2011	5	7	14	V	0.005	2.4	7.74	186
180970078	2011	5	7	15	V	0.01	2.1	7.23	177
180970078	2011	5	7	16	V	0.01	2.1	6.75	168
180970078	2011	5	7	17	V	0.005	2.1	7.16	185
180970078	2011	5	7	18	V	0.02	1.5	4.71	185
180970078	2011	5	7	19	V	0.02	1.4	2.54	122
180970078	2011	5	7	20	V	0.02	1.1	3.61	93
180970078	2011	5	7	21	V	0.02	1.1	4.46	153
180970078	2011	5	7	22	V	0.02	1.5	3.44	103
180970078	2011	5	7	23	V	0.02	1.3	3.15	85
180970078	2011	5	7	24	V	0.02	1.6	2.62	85
180970078	2011	5	8	1	V	0.02	1.4	2.28	89
180970078	2011	5	8	2	V	0.03	1.3	2.22	131
180970078	2011	5	8	3	V	0.1	1.8	1.3	155
180970078	2011	5	8	4	V	0.04	1.6	1.82	61

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	8	5	V	0.03	1.6	4.05	45
180970078	2011	5	8	6	V	0.1	1.6	3.07	60
180970078	2011	5	8	7	V	0.08	1.5	3.8	53
180970078	2011	5	8	8	V	0.2	1.6	2.91	57
180970078	2011	5	8	9	V	0.1	1.7	3.35	83
180970078	2011	5	8	10	V	0.07	1.2	4.05	71
180970078	2011	5	8	11	V	0.06	1.1	4.2	78
180970078	2011	5	8	12	V	0.04	0.9	4.75	87
180970078	2011	5	8	13	V	0.08	1	4.29	109
180970078	2011	5	8	14	V	0.07	1.1	4.31	96
180970078	2011	5	8	15	V	0.05	1.1	4.75	95
180970078	2011	5	8	16	V	0.03	1.3	4.7	113
180970078	2011	5	8	17	V	0.02	1	4.92	113
180970078	2011	5	8	18	V	0.03	1	4.66	116
180970078	2011	5	8	19	V	0.02	1.1	4.58	118
180970078	2011	5	8	20	V	0.03	0.9	3.66	115
180970078	2011	5	8	21	V	0.03	0.9	3.35	113
180970078	2011	5	8	22	V	0.02	0.9	3.01	101
180970078	2011	5	8	23	V	0.02	-999	3.08	88
180970078	2011	5	8	24	V	0.02	1.8	3.39	81
180970078	2011	5	9	1	V	0.02	1.9	4.15	80
180970078	2011	5	9	2	V	0.03	1.4	5.02	81
180970078	2011	5	9	3	V	0.03	1.4	4.6	84
180970078	2011	5	9	4	V	0.03	1.4	4.27	84
180970078	2011	5	9	5	V	0.03	1.8	4.83	88
180970078	2011	5	9	6	V	0.05	1.8	4.73	98
180970078	2011	5	9	7	V	0.06	1.6	4.71	103
180970078	2011	5	9	8	V	0.03	1.6	6.07	104
180970078	2011	5	9	9	V	0.02	1.5	6.33	109
180970078	2011	5	9	10	V	0.02	1.6	6.53	113
180970078	2011	5	9	11	V	0.02	1.8	7.25	115
180970078	2011	5	9	12	V	0.03	1.2	6.07	119
180970078	2011	5	9	13	V	0.02	1.6	6.3	114
180970078	2011	5	9	14	V	0.03	1.7	5.62	118
180970078	2011	5	9	15	V	0.03	1.7	5.51	127
180970078	2011	5	9	16	V	0.01	1.7	7.18	120
180970078	2011	5	9	17	V	0.01	1.6	6.92	122
180970078	2011	5	9	18	V	0.04	1.8	6.62	120
180970078	2011	5	9	19	V	0.04	1.7	5.75	124
180970078	2011	5	9	20	V	0.04	1.9	5.5	117
180970078	2011	5	9	21	V	0.04	1.8	5.72	114
180970078	2011	5	9	22	V	0.03	2	6.01	120
180970078	2011	5	9	23	V	0.03	1.5	6.29	126
180970078	2011	5	9	24	V	0.03	1.3	5.96	129
180970078	2011	5	10	1	V	0.03	1.7	5.89	132
180970078	2011	5	10	2	V	0.03	1.7	5.62	130

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	10	3	V	0.04	1.9	4.46	113
180970078	2011	5	10	4	V	0.04	2.1	4.07	117
180970078	2011	5	10	5	V	0.05	2.3	5.34	125
180970078	2011	5	10	6	V	0.03	2.2	5.05	130
180970078	2011	5	10	7	V	0.1	2.3	4.03	143
180970078	2011	5	10	8	V	0.2	2.9	3.98	154
180970078	2011	5	10	9	V	0.1	3	3.74	167
180970078	2011	5	10	10	V	0.3	3.7	3.27	171
180970078	2011	5	10	11	V	8.9	6.1	3.76	202
180970078	2011	5	10	12	V	10.5	13.1	4.24	205
180970078	2011	5	10	13	V	2.0	17.7	6.94	226
180970078	2011	5	10	14	V	17.2	8.4	3.97	216
180970078	2011	5	10	15	V	1.7	8.1	5.56	201
180970078	2011	5	10	16	V	0.1	7.2	4.41	191
180970078	2011	5	10	17	V	1.8	4.3	7.08	226
180970078	2011	5	10	18	V	33.8	3.4	5.17	213
180970078	2011	5	10	19	V	17.2	2.7	4.17	207
180970078	2011	5	10	20	V	11.5	2.2	4.24	206
180970078	2011	5	10	21	V	0.2	2.6	3.73	200
180970078	2011	5	10	22	V	0.04	3	3.15	186
180970078	2011	5	10	23	V	0.04	2.6	3.52	179
180970078	2011	5	10	24	V	0.04	1.9	3.22	178
180970078	2011	5	11	1	V	0.04	1.7	2.69	155
180970078	2011	5	11	2	V	0.04	1.7	2.56	166
180970078	2011	5	11	3	V	0.03	1.5	3.05	121
180970078	2011	5	11	4	V	0.03	1.3	3.88	132
180970078	2011	5	11	5	V	0.06	1.4	3.58	175
180970078	2011	5	11	6	V	27.7	1.5	3.25	215
180970078	2011	5	11	7	V	34.6	2.4	2.47	216
180970078	2011	5	11	8	V	15.3	6.1	3.61	224
180970078	2011	5	11	9	V	0.2	7.7	5.07	246
180970078	2011	5	11	10	V	0.3	8.5	3.95	247
180970078	2011	5	11	11	V	29.8	7.6	2.98	218
180970078	2011	5	11	12	V	12.5	24.2	3.58	224
180970078	2011	5	11	13	V	0.4	9.8	4.32	239
180970078	2011	5	11	14	V	0.3	4	4.8	238
180970078	2011	5	11	15	V	0.2	2.3	4.94	239
180970078	2011	5	11	16	V	0.7	2.1	5.16	232
180970078	2011	5	11	17	V	8.9	2.5	4.39	219
180970078	2011	5	11	18	V	17.8	2.7	4.61	220
180970078	2011	5	11	19	V	0.4	2.2	3.59	247
180970078	2011	5	11	20	V	29.3	2.1	3.83	217
180970078	2011	5	11	21	V	0.04	2.2	3.27	194
180970078	2011	5	11	22	V	47.8	2.1	3.35	212
180970078	2011	5	11	23	V	0.07	2.2	3.39	199
180970078	2011	5	11	24	V	0.6	2.2	4.32	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	12	1	V	24.1	2.9	4.03	214
180970078	2011	5	12	2	V	12.4	3.9	3.17	222
180970078	2011	5	12	3	V	1.2	3.1	2.74	229
180970078	2011	5	12	4	V	0.2	2.3	3.1	234
180970078	2011	5	12	5	V	1.3	1.9	2.76	235
180970078	2011	5	12	6	V	18.9	1.8	2.5	222
180970078	2011	5	12	7	V	27.5	2.3	1.65	205
180970078	2011	5	12	8	V	7.2	2.9	2.08	194
180970078	2011	5	12	9	V	29.4	4.2	2.73	218
180970078	2011	5	12	10	V	2.6	7.7	3.71	232
180970078	2011	5	12	11	V	4.3	5	5.02	225
180970078	2011	5	12	12	V	4.4	4.5	5.73	223
180970078	2011	5	12	13	V	6.8	2.7	5.51	220
180970078	2011	5	12	14	V	10.9	3.2	5.04	211
180970078	2011	5	12	15	V	6.4	2.9	5.46	207
180970078	2011	5	12	16	V	10.2	2	6.63	212
180970078	2011	5	12	17	V	10.8	3.4	5.68	215
180970078	2011	5	12	18	V	2.9	4.1	5.48	201
180970078	2011	5	12	19	V	38.7	2.8	4.2	213
180970078	2011	5	12	20	V	39.2	2.6	3.74	214
180970078	2011	5	12	21	V	0.5	2.9	6.87	233
180970078	2011	5	12	22	V	38.9	2.7	2.95	215
180970078	2011	5	12	23	V	44.8	2.1	2.5	214
180970078	2011	5	12	24	V	0.3	2.4	1.42	309
180970078	2011	5	13	1	V	9.4	2.2	1.55	225
180970078	2011	5	13	2	V	19.9	2.2	2.88	219
180970078	2011	5	13	3	V	13.5	2.6	3.03	208
180970078	2011	5	13	4	V	24.6	2.4	3.23	216
180970078	2011	5	13	5	V	23.7	2.3	2.74	214
180970078	2011	5	13	6	V	27.5	2.5	2.42	206
180970078	2011	5	13	7	V	36.9	2.6	2.83	210
180970078	2011	5	13	8	V	35.2	3.8	3.37	215
180970078	2011	5	13	9	V	7.6	-999	2.37	231
180970078	2011	5	13	10	V	23.6	14.6	3.81	214
180970078	2011	5	13	11	V	5.5	22.1	3.54	200
180970078	2011	5	13	12	V	7.6	-999	4.88	223
180970078	2011	5	13	13	V	12.4	29.9	3.49	222
180970078	2011	5	13	14	V	4.2	27.4	6.09	224
180970078	2011	5	13	15	V	0.1	4.9	7.76	234
180970078	2011	5	13	16	V	12.9	1.7	5.56	217
180970078	2011	5	13	17	V	0.04	19.4	5.9	196
180970078	2011	5	13	18	V	10.2	17.1	5.19	223
180970078	2011	5	13	19	V	14.7	8.4	4.53	221
180970078	2011	5	13	20	V	34.1	2.9	4.12	211
180970078	2011	5	13	21	V	0.2	8.8	2.45	200
180970078	2011	5	13	22	V	0.6	6.2	2.05	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	13	23	V	0.4	12.3	3.05	202
180970078	2011	5	13	24	V	0.03	4.3	3.22	186
180970078	2011	5	14	1	V	0.03	2.5	3.56	169
180970078	2011	5	14	2	V	0.03	2.1	2.52	164
180970078	2011	5	14	3	V	0.04	2.1	2.15	181
180970078	2011	5	14	4	V	0.03	3.3	3.69	169
180970078	2011	5	14	5	V	0.05	2.5	3.42	180
180970078	2011	5	14	6	V	0.1	2.1	3.44	181
180970078	2011	5	14	7	V	0.1	2	3.08	164
180970078	2011	5	14	8	V	0.06	4.1	3.63	185
180970078	2011	5	14	9	V	2.2	2.9	3.52	199
180970078	2011	5	14	10	V	0.05	2.2	3.9	175
180970078	2011	5	14	11	V	8.9	1.9	3.08	222
180970078	2011	5	14	12	V	12.2	2.4	2.39	213
180970078	2011	5	14	13	V	0.7	1.3	1.98	189
180970078	2011	5	14	14	V	0.5	1.2	1.55	175
180970078	2011	5	14	15	V	0.09	1.2	2.42	152
180970078	2011	5	14	16	V	0.05	4.5	6.53	253
180970078	2011	5	14	17	V	0.01	1.6	6.4	264
180970078	2011	5	14	18	V	0.03	1	6.04	277
180970078	2011	5	14	19	V	0.02	0.9	6.16	271
180970078	2011	5	14	20	V	0.03	0.7	5.43	265
180970078	2011	5	14	21	V	0.04	0.5	4.31	262
180970078	2011	5	14	22	V	0.1	0.9	4.37	256
180970078	2011	5	14	23	V	0.1	0.6	4.37	257
180970078	2011	5	14	24	V	0.03	1.1	4.44	270
180970078	2011	5	15	1	V	0.02	0.5	4.7	271
180970078	2011	5	15	2	V	0.03	0.8	4.56	264
180970078	2011	5	15	3	V	0.03	0.9	4.25	283
180970078	2011	5	15	4	V	0.03	0.7	3.52	285
180970078	2011	5	15	5	V	0.04	0.6	3.54	282
180970078	2011	5	15	6	V	0.08	1	3.34	273
180970078	2011	5	15	7	V	0.1	1	3.2	277
180970078	2011	5	15	8	V	0.07	0.4	3.17	298
180970078	2011	5	15	9	V	0.03	0.6	4.48	323
180970078	2011	5	15	10	V	0.03	0.8	4.34	323
180970078	2011	5	15	11	V	0.04	0.8	4.05	316
180970078	2011	5	15	12	V	0.03	0.9	4.43	307
180970078	2011	5	15	13	V	0.03	1	3.9	315
180970078	2011	5	15	14	V	0.02	0.6	4.87	315
180970078	2011	5	15	15	V	0.02	0.6	4.02	326
180970078	2011	5	15	16	V	0.02	0.9	4.51	336
180970078	2011	5	15	17	V	0.01	0.6	6.55	347
180970078	2011	5	15	18	V	0.02	0.8	7.69	28
180970078	2011	5	15	19	V	0.02	0.7	8.28	29
180970078	2011	5	15	20	V	0.02	0.6	6.77	34

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	15	21	V	0.02	0.6	8.05	36
180970078	2011	5	15	22	V	0.02	0.5	7.23	36
180970078	2011	5	15	23	V	0.02	-999	6.69	31
180970078	2011	5	15	24	V	0.02	0.4	6.23	27
180970078	2011	5	16	1	V	0.03	0.5	7.47	26
180970078	2011	5	16	2	V	0.03	0.7	7.5	26
180970078	2011	5	16	3	V	0.03	1	6.98	26
180970078	2011	5	16	4	V	0.03	0.9	6.02	25
180970078	2011	5	16	5	V	0.03	0.5	5.21	16
180970078	2011	5	16	6	V	0.1	0.7	4.02	2
180970078	2011	5	16	7	V	0.07	0.6	4.68	356
180970078	2011	5	16	8	V	0.04	1	6.01	358
180970078	2011	5	16	9	V	0.03	1	6.43	1
180970078	2011	5	16	10	V	0.04	1	5.96	4
180970078	2011	5	16	11	V	0.04	0.9	5.6	358
180970078	2011	5	16	12	V	0.04	0.7	5.89	360
180970078	2011	5	16	13	V	0.03	0.6	6.09	356
180970078	2011	5	16	14	V	0.02	0.7	6.23	1
180970078	2011	5	16	15	V	0.02	0.6	6.11	4
180970078	2011	5	16	16	V	0.02	0.8	5.94	6
180970078	2011	5	16	17	V	0.02	0.7	5.78	1
180970078	2011	5	16	18	V	0.05	1.1	5.56	355
180970078	2011	5	16	19	V	0.04	1.1	5.33	359
180970078	2011	5	16	20	V	0.04	0.7	6.23	352
180970078	2011	5	16	21	V	0.04	1.3	6.74	343
180970078	2011	5	16	22	V	0.04	0.9	6.01	353
180970078	2011	5	16	23	V	0.04	0.8	5.02	8
180970078	2011	5	16	24	V	0.04	0.7	4.29	38
180970078	2011	5	17	1	V	0.04	0.6	4.88	33
180970078	2011	5	17	2	V	0.04	0.6	4.02	20
180970078	2011	5	17	3	V	0.04	0.8	3.88	353
180970078	2011	5	17	4	V	0.03	0.7	5.11	9
180970078	2011	5	17	5	V	0.05	0.7	5.22	25
180970078	2011	5	17	6	V	0.03	0.7	5.07	19
180970078	2011	5	17	7	V	0.05	0.9	4.92	17
180970078	2011	5	17	8	V	0.08	0.8	4.71	10
180970078	2011	5	17	9	V	0.07	0.7	4.85	12
180970078	2011	5	17	10	V	0.05	0.7	5.33	13
180970078	2011	5	17	11	V	0.06	0.7	5.26	23
180970078	2011	5	17	12	V	0.07	0.9	4.99	11
180970078	2011	5	17	13	V	0.1	1	4.58	12
180970078	2011	5	17	14	V	0.04	0.8	5.6	15
180970078	2011	5	17	15	V	0.04	1.1	5.67	24
180970078	2011	5	17	16	V	0.09	1.2	4.48	16
180970078	2011	5	17	17	V	0.1	1	3.49	6
180970078	2011	5	17	18	V	0.06	0.9	2.96	346

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	17	19	V	0.1	0.8	1.81	58
180970078	2011	5	17	20	V	0.3	1	1.28	61
180970078	2011	5	17	21	V	0.05	0.8	2.64	55
180970078	2011	5	17	22	V	0.05	0.5	2.74	45
180970078	2011	5	17	23	V	0.07	0.9	2.1	1
180970078	2011	5	17	24	V	0.05	1.1	2.35	347
180970078	2011	5	18	1	V	0.04	0.8	3.25	349
180970078	2011	5	18	2	V	0.04	0.7	3.1	344
180970078	2011	5	18	3	V	0.05	0.8	2.55	344
180970078	2011	5	18	4	V	0.05	0.6	2.62	358
180970078	2011	5	18	5	V	0.08	0.2	2.59	332
180970078	2011	5	18	6	V	0.2	0.6	2.93	314
180970078	2011	5	18	7	V	0.2	0.8	3.63	313
180970078	2011	5	18	8	V	0.2	0.6	3.9	322
180970078	2011	5	18	9	V	0.2	0.6	3.52	333
180970078	2011	5	18	10	V	0.3	0.8	3.18	358
180970078	2011	5	18	11	V	0.4	0.6	2.79	23
180970078	2011	5	18	12	V	0.6	0.7	2.3	349
180970078	2011	5	18	13	V	0.8	0.8	2.01	302
180970078	2011	5	18	14	V	0.5	0.7	1.74	349
180970078	2011	5	18	15	V	0.4	0.7	1.91	295
180970078	2011	5	18	16	V	0.3	0.6	1.79	283
180970078	2011	5	18	17	V	0.09	0.6	2.22	305
180970078	2011	5	18	18	V	0.1	0.6	1.65	345
180970078	2011	5	18	19	V	0.1	0.9	2.01	292
180970078	2011	5	18	20	V	0.1	1	1.94	275
180970078	2011	5	18	21	V	0.2	0.8	1.52	293
180970078	2011	5	18	22	V	0.2	0.8	1.6	276
180970078	2011	5	18	23	C	-999	1.1	0	0
180970078	2011	5	18	24	V	0.2	0.9	2.86	244
180970078	2011	5	19	1	V	2.1	0.9	3.86	229
180970078	2011	5	19	2	V	0.09	0.4	1.76	259
180970078	2011	5	19	3	C	-999	0.7	0	0
180970078	2011	5	19	4	V	0.04	0.9	2.86	261
180970078	2011	5	19	5	V	0.3	1	2.86	249
180970078	2011	5	19	6	V	0.5	1.4	2.36	252
180970078	2011	5	19	7	V	0.6	1.4	2.36	263
180970078	2011	5	19	8	V	0.5	1.9	2.36	262
180970078	2011	5	19	9	V	0.4	2.3	2.86	266
180970078	2011	5	19	10	V	0.6	2.9	2.36	272
180970078	2011	5	19	11	V	0.08	2.2	4.86	275
180970078	2011	5	19	12	V	0.2	1.6	3.86	257
180970078	2011	5	19	13	M	-999	1.6	2.86	999
180970078	2011	5	19	14	V	0.1	0.9	3.99	249
180970078	2011	5	19	15	V	0.09	1.1	3.54	265
180970078	2011	5	19	16	V	0.1	0.8	3.18	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	19	17	V	0.05	0.8	3.27	267
180970078	2011	5	19	18	V	0.06	1.1	2.74	297
180970078	2011	5	19	19	V	0.08	1	2.1	278
180970078	2011	5	19	20	V	0.07	1.2	2.49	240
180970078	2011	5	19	21	V	6.2	1.3	2.76	225
180970078	2011	5	19	22	V	1.1	1.8	1.69	232
180970078	2011	5	19	23	V	0.1	2	1.89	262
180970078	2011	5	19	24	V	0.1	1.7	1.55	340
180970078	2011	5	20	1	V	0.2	2.3	2.16	253
180970078	2011	5	20	2	V	0.5	2.1	2.49	246
180970078	2011	5	20	3	V	0.5	2.1	2.23	246
180970078	2011	5	20	4	V	0.3	2.3	3.34	245
180970078	2011	5	20	5	V	0.3	1.8	2.28	251
180970078	2011	5	20	6	V	0.5	2	2.04	259
180970078	2011	5	20	7	V	4.9	1.9	0.72	277
180970078	2011	5	20	8	V	3.8	2	1.06	324
180970078	2011	5	20	9	V	1.0	2	1.79	338
180970078	2011	5	20	10	V	2.5	2.8	1.14	32
180970078	2011	5	20	11	V	1.6	1.9	1.33	97
180970078	2011	5	20	12	V	1.0	1.5	1.52	87
180970078	2011	5	20	13	V	5.1	1.3	1.72	217
180970078	2011	5	20	14	V	0.5	1.4	2.27	181
180970078	2011	5	20	15	V	1.3	1.5	1.69	179
180970078	2011	5	20	16	V	0.2	1.7	2.03	140
180970078	2011	5	20	17	V	0.1	2.3	1.96	132
180970078	2011	5	20	18	V	0.08	2.8	2.1	147
180970078	2011	5	20	19	V	0.06	2.1	2.38	170
180970078	2011	5	20	20	V	0.05	1.2	2.74	167
180970078	2011	5	20	21	V	0.05	1.3	3.15	161
180970078	2011	5	20	22	V	0.06	1.6	2.67	150
180970078	2011	5	20	23	V	0.05	1.8	3.13	159
180970078	2011	5	20	24	V	0.04	1.6	2.84	130
180970078	2011	5	21	1	V	0.04	1.3	3.01	102
180970078	2011	5	21	2	V	0.04	1.3	3.29	120
180970078	2011	5	21	3	V	0.04	1	2.98	139
180970078	2011	5	21	4	V	0.03	0.7	2.91	136
180970078	2011	5	21	5	V	0.1	0.8	2.66	130
180970078	2011	5	21	6	V	0.2	1.1	2.93	111
180970078	2011	5	21	7	V	0.2	1	3.22	117
180970078	2011	5	21	8	V	0.2	1.1	3.51	121
180970078	2011	5	21	9	V	0.1	1.4	4.22	122
180970078	2011	5	21	10	V	0.03	2.9	6.5	134
180970078	2011	5	21	11	V	0.02	1.6	6.92	135
180970078	2011	5	21	12	V	0.03	4.8	5.55	135
180970078	2011	5	21	13	V	0.05	2.4	4.8	145
180970078	2011	5	21	14	V	0.04	3.2	4.66	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	21	15	V	0.07	2.6	3.59	167
180970078	2011	5	21	16	V	1.8	3.1	2.9	195
180970078	2011	5	21	17	V	2.7	12.4	3.88	202
180970078	2011	5	21	18	V	0.07	4.1	3.24	160
180970078	2011	5	21	19	V	0.05	1.6	3.61	173
180970078	2011	5	21	20	V	0.05	1.9	3.9	182
180970078	2011	5	21	21	V	0.05	2.3	3.05	191
180970078	2011	5	21	22	V	0.04	2.1	3.41	171
180970078	2011	5	21	23	V	0.05	1.9	3.68	153
180970078	2011	5	21	24	V	0.04	1	5.02	168
180970078	2011	5	22	1	V	0.04	1.3	3.83	165
180970078	2011	5	22	2	V	0.03	0.8	3.39	164
180970078	2011	5	22	3	V	0.03	0.9	3.47	183
180970078	2011	5	22	4	V	0.03	0.8	3.18	182
180970078	2011	5	22	5	V	0.1	0.9	3.12	171
180970078	2011	5	22	6	V	0.3	1.1	2.62	164
180970078	2011	5	22	7	V	0.4	1.2	2.3	168
180970078	2011	5	22	8	V	0.2	14.4	3.2	175
180970078	2011	5	22	9	V	9.9	30.7	4	205
180970078	2011	5	22	10	V	7.8	33.2	4.22	204
180970078	2011	5	22	11	V	0.04	18.8	5.12	187
180970078	2011	5	22	12	V	0.06	1.9	4.03	182
180970078	2011	5	22	13	V	0.3	29.2	3.34	188
180970078	2011	5	22	14	V	17.3	39.6	1.74	215
180970078	2011	5	22	15	V	0.1	39.9	2.66	163
180970078	2011	5	22	16	V	0.04	6.1	4.8	161
180970078	2011	5	22	17	V	0.02	1.2	5.5	181
180970078	2011	5	22	18	V	0.4	0.8	7.48	196
180970078	2011	5	22	19	V	0.04	1	5.8	178
180970078	2011	5	22	20	V	0.04	1	4.49	190
180970078	2011	5	22	21	V	0.05	1.2	3.68	153
180970078	2011	5	22	22	V	0.05	0.8	4.75	154
180970078	2011	5	22	23	V	0.04	-999	6.3	164
180970078	2011	5	22	24	V	0.04	1.3	6.58	170
180970078	2011	5	23	1	V	13.5	2.4	6.5	209
180970078	2011	5	23	2	V	0.03	4.4	6.01	153
180970078	2011	5	23	3	V	0.03	1.4	5.36	163
180970078	2011	5	23	4	V	0.03	1.4	5.5	174
180970078	2011	5	23	5	V	0.07	1.8	4.12	189
180970078	2011	5	23	6	V	7.4	6.3	5.27	207
180970078	2011	5	23	7	V	6.4	11.8	5.8	207
180970078	2011	5	23	8	V	11.9	31.9	6.23	210
180970078	2011	5	23	9	V	6.9	25.6	7.76	218
180970078	2011	5	23	10	V	1.6	8.1	8.91	226
180970078	2011	5	23	11	V	5.1	4.9	7.64	221
180970078	2011	5	23	12	V	6.6	30	7.6	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	23	13	V	2.6	20.7	8.71	205
180970078	2011	5	23	14	V	5.6	14.6	9.78	213
180970078	2011	5	23	15	V	3.7	4.8	9.87	221
180970078	2011	5	23	16	V	6.3	2.4	8.4	218
180970078	2011	5	23	17	V	0.05	5.8	10.58	234
180970078	2011	5	23	18	V	3.9	0.9	12.77	227
180970078	2011	5	23	19	V	0.04	10.1	5.9	176
180970078	2011	5	23	20	V	4.0	2.6	3.88	227
180970078	2011	5	23	21	V	0.2	7.2	5.26	237
180970078	2011	5	23	22	V	33.7	38.6	3.83	215
180970078	2011	5	23	23	V	1.0	6.8	3.12	230
180970078	2011	5	23	24	V	10.5	1.8	3.05	206
180970078	2011	5	24	1	V	5.2	9.2	3.39	205
180970078	2011	5	24	2	V	24.7	12	2.25	218
180970078	2011	5	24	3	V	0.04	3.2	2.78	194
180970078	2011	5	24	4	V	23.3	3.3	3.74	212
180970078	2011	5	24	5	V	1.9	9.8	4.63	229
180970078	2011	5	24	6	V	5.5	3.3	3.47	228
180970078	2011	5	24	7	V	1.0	2.4	2.03	248
180970078	2011	5	24	8	V	5.8	2.7	3.37	230
180970078	2011	5	24	9	V	4.5	4.2	2.79	234
180970078	2011	5	24	10	V	31.7	8.8	3.61	210
180970078	2011	5	24	11	V	11.5	32.2	2.33	205
180970078	2011	5	24	12	V	3.4	-999	2.59	194
180970078	2011	5	24	13	V	6.8	-999	2.2	213
180970078	2011	5	24	14	V	5.0	33.5	1.94	224
180970078	2011	5	24	15	V	1.6	21.8	2.72	237
180970078	2011	5	24	16	V	1.1	8.6	3.17	236
180970078	2011	5	24	17	V	0.2	1.6	4.29	237
180970078	2011	5	24	18	V	1.1	1.3	5.02	232
180970078	2011	5	24	19	V	26.5	1.2	4.15	217
180970078	2011	5	24	20	V	26.2	2	3.49	209
180970078	2011	5	24	21	V	0.05	2.9	3.35	191
180970078	2011	5	24	22	V	0.9	3.6	2.74	203
180970078	2011	5	24	23	V	0.06	4.5	2.35	193
180970078	2011	5	24	24	V	0.03	2.1	3.35	176
180970078	2011	5	25	1	V	0.03	1.6	2.93	180
180970078	2011	5	25	2	V	0.04	1.4	4.15	156
180970078	2011	5	25	3	V	0.04	1.4	3.39	143
180970078	2011	5	25	4	V	0.03	1	4.46	145
180970078	2011	5	25	5	V	0.1	1.5	3.63	132
180970078	2011	5	25	6	V	0.1	2	4.14	129
180970078	2011	5	25	7	V	0.06	1.7	5.02	131
180970078	2011	5	25	8	V	0.02	1	6.38	145
180970078	2011	5	25	9	V	0.02	1.4	6.94	151
180970078	2011	5	25	10	V	0.02	2.2	7.03	163

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	25	11	V	0.02	1.5	7.59	184
180970078	2011	5	25	12	V	0.04	1.4	8.96	194
180970078	2011	5	25	13	V	0.03	1.5	10.15	195
180970078	2011	5	25	14	V	0.01	2.9	9.9	192
180970078	2011	5	25	15	V	0.02	10.6	6.72	187
180970078	2011	5	25	16	V	9.9	25.5	6.57	211
180970078	2011	5	25	17	V	0.02	34	5.39	194
180970078	2011	5	25	18	V	0.06	2	3.69	110
180970078	2011	5	25	19	V	0.04	0.7	6.09	46
180970078	2011	5	25	20	V	0.05	0.5	4.78	100
180970078	2011	5	25	21	V	0.04	0.5	5.22	98
180970078	2011	5	25	22	V	0.04	0.8	7.48	148
180970078	2011	5	25	23	V	3.0	1	4.88	202
180970078	2011	5	25	24	V	0.04	3.8	4.63	135
180970078	2011	5	26	1	V	0.04	1.1	4.53	151
180970078	2011	5	26	2	V	0.03	1	5.48	170
180970078	2011	5	26	3	V	0.03	0.7	6.65	178
180970078	2011	5	26	4	V	0.03	0.8	6.4	178
180970078	2011	5	26	5	V	0.02	0.8	5.12	174
180970078	2011	5	26	6	V	0.1	0.5	3.83	176
180970078	2011	5	26	7	V	0.3	0.5	3.15	146
180970078	2011	5	26	8	V	0.09	0.6	4.26	163
180970078	2011	5	26	9	V	0.05	1.1	5.34	183
180970078	2011	5	26	10	V	0.02	0.9	6.06	170
180970078	2011	5	26	11	V	0.01	2	7.94	184
180970078	2011	5	26	12	V	0.02	9.3	6.53	190
180970078	2011	5	26	13	V	2.3	1.8	7.77	225
180970078	2011	5	26	14	V	22.5	0.9	5.33	213
180970078	2011	5	26	15	V	8.5	29	6.77	219
180970078	2011	5	26	16	V	0.01	6.5	6.77	303
180970078	2011	5	26	17	V	0.01	0.7	6.26	322
180970078	2011	5	26	18	V	0.04	0.6	6.02	318
180970078	2011	5	26	19	V	0.04	0.6	5.41	309
180970078	2011	5	26	20	V	0.04	0.3	5.78	304
180970078	2011	5	26	21	V	0.04	0.8	5.68	300
180970078	2011	5	26	22	V	0.05	1	4.32	300
180970078	2011	5	26	23	V	0.04	0.7	4.66	300
180970078	2011	5	26	24	V	0.03	0.5	4.37	312
180970078	2011	5	27	1	V	0.04	0.5	4.15	304
180970078	2011	5	27	2	V	0.04	0.4	2.86	297
180970078	2011	5	27	3	V	0.04	0.5	2.79	297
180970078	2011	5	27	4	V	0.04	0.5	3.12	304
180970078	2011	5	27	5	V	0.09	0.6	2.54	338
180970078	2011	5	27	6	V	0.3	0.6	2.22	347
180970078	2011	5	27	7	V	0.3	0.5	2.54	313
180970078	2011	5	27	8	V	0.1	0.5	4.03	313

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	27	9	V	0.3	0.4	3.17	350
180970078	2011	5	27	10	V	0.5	0.3	2.5	40
180970078	2011	5	27	11	V	1.5	0.6	1.47	143
180970078	2011	5	27	12	V	2.7	0.6	1.77	187
180970078	2011	5	27	13	V	17.5	1.1	1.67	200
180970078	2011	5	27	14	V	15.8	9	1.84	228
180970078	2011	5	27	15	V	35.5	11.1	2.45	208
180970078	2011	5	27	16	V	0.5	23.5	2.32	192
180970078	2011	5	27	17	V	0.1	33	2.76	176
180970078	2011	5	27	18	V	0.05	9.3	2.73	183
180970078	2011	5	27	19	V	0.1	4	3.27	198
180970078	2011	5	27	20	V	0.2	6.7	3.32	236
180970078	2011	5	27	21	V	0.05	8	3.17	165
180970078	2011	5	27	22	V	0.04	4.4	2.98	145
180970078	2011	5	27	23	V	0.04	1.1	2.96	161
180970078	2011	5	27	24	V	0.04	0.7	3.25	184
180970078	2011	5	28	1	V	0.04	0.8	3.95	192
180970078	2011	5	28	2	V	0.03	0.8	4.82	183
180970078	2011	5	28	3	V	3.0	0.6	5.26	203
180970078	2011	5	28	4	V	0.3	6.2	4.1	199
180970078	2011	5	28	5	V	0.07	1.3	2.96	179
180970078	2011	5	28	6	V	0.2	2.9	2.86	172
180970078	2011	5	28	7	V	0.2	2.7	3.34	159
180970078	2011	5	28	8	V	0.1	2.9	3.56	174
180970078	2011	5	28	9	V	0.2	4.2	3.1	168
180970078	2011	5	28	10	V	0.09	4.6	3.39	168
180970078	2011	5	28	11	V	0.1	3	2.88	182
180970078	2011	5	28	12	V	0.06	8.6	4.85	176
180970078	2011	5	28	13	V	0.02	1.8	6.02	167
180970078	2011	5	28	14	V	0.02	0.9	5.38	173
180970078	2011	5	28	15	V	0.03	0.9	4.32	174
180970078	2011	5	28	16	V	0.02	0.9	4.54	155
180970078	2011	5	28	17	V	0.01	1	5.55	146
180970078	2011	5	28	18	V	0.04	1.2	4.77	133
180970078	2011	5	28	19	V	0.03	1	4.97	133
180970078	2011	5	28	20	V	0.04	0.9	2.84	126
180970078	2011	5	28	21	V	0.04	1.1	3	129
180970078	2011	5	28	22	V	0.04	1.7	4.46	129
180970078	2011	5	28	23	V	0.03	1.4	5.19	140
180970078	2011	5	28	24	V	0.03	1.1	5.33	147
180970078	2011	5	29	1	V	0.03	1.1	5.26	149
180970078	2011	5	29	2	V	0.03	1	4.07	147
180970078	2011	5	29	3	V	0.04	1.3	3.97	167
180970078	2011	5	29	4	V	0.03	1.4	3.64	180
180970078	2011	5	29	5	V	0.07	1.4	3.63	178
180970078	2011	5	29	6	V	0.1	1.7	3.59	183

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	29	7	V	0.4	2	3.27	188
180970078	2011	5	29	8	V	2.4	2.4	4.19	198
180970078	2011	5	29	9	V	0.1	2.3	6.09	197
180970078	2011	5	29	10	V	0.03	2.5	5.8	192
180970078	2011	5	29	11	V	0.04	2.4	5.92	190
180970078	2011	5	29	12	V	0.1	3	7.6	198
180970078	2011	5	29	13	V	0.08	2	9.1	198
180970078	2011	5	29	14	V	8.5	9.1	9.32	214
180970078	2011	5	29	15	V	3.4	4.9	9.13	222
180970078	2011	5	29	16	V	1.3	4.5	6.97	228
180970078	2011	5	29	17	V	9.2	1.8	5.72	219
180970078	2011	5	29	18	V	15.0	13.8	5.24	206
180970078	2011	5	29	19	V	0.04	4.9	4.73	181
180970078	2011	5	29	20	V	0.04	1.4	5.5	173
180970078	2011	5	29	21	V	0.03	1.9	4.24	162
180970078	2011	5	29	22	V	0.03	1.9	4.27	154
180970078	2011	5	29	23	V	0.03	-999	4.95	167
180970078	2011	5	29	24	V	0.03	0.9	5.02	168
180970078	2011	5	30	1	V	0.03	0.5	5.5	174
180970078	2011	5	30	2	V	0.03	0.9	4.36	180
180970078	2011	5	30	3	V	0.03	1.4	4.22	188
180970078	2011	5	30	4	V	0.2	1.2	4.09	200
180970078	2011	5	30	5	V	0.2	1.2	3.13	189
180970078	2011	5	30	6	V	0.5	1	2.16	162
180970078	2011	5	30	7	V	0.5	1.6	2.35	143
180970078	2011	5	30	8	V	0.2	3.2	3.46	164
180970078	2011	5	30	9	V	0.1	17.8	4.68	191
180970078	2011	5	30	10	V	13.6	29.7	4.82	208
180970078	2011	5	30	11	V	14.6	12.3	5.1	214
180970078	2011	5	30	12	V	12.1	15.9	6.43	214
180970078	2011	5	30	13	V	9.8	16.4	7.09	210
180970078	2011	5	30	14	V	10.8	8.8	6.96	215
180970078	2011	5	30	15	V	3.4	13.5	6.11	203
180970078	2011	5	30	16	V	1.2	9.7	6.89	201
180970078	2011	5	30	17	V	4.1	2.3	6.07	205
180970078	2011	5	30	18	V	0.8	0.8	5.72	197
180970078	2011	5	30	19	V	0.04	0.9	5.58	175
180970078	2011	5	30	20	V	0.04	1.1	4.83	173
180970078	2011	5	30	21	V	0.04	1.2	3.91	162
180970078	2011	5	30	22	V	0.04	1.6	4.29	165
180970078	2011	5	30	23	V	0.04	1.4	4.53	174
180970078	2011	5	30	24	V	0.04	1.2	4.51	174
180970078	2011	5	31	1	V	0.03	0.5	3.9	170
180970078	2011	5	31	2	V	0.03	0.2	3.64	176
180970078	2011	5	31	3	V	0.03	0.7	3.32	172
180970078	2011	5	31	4	V	0.03	0.8	2.79	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	5	31	5	V	0.1	0.5	2.98	162
180970078	2011	5	31	6	V	0.2	0.9	3.23	167
180970078	2011	5	31	7	V	0.2	2	3.73	177
180970078	2011	5	31	8	V	32.3	32	4.07	210
180970078	2011	5	31	9	V	8.2	19.3	5.29	223
180970078	2011	5	31	10	V	0.1	5	6.97	237
180970078	2011	5	31	11	V	0.04	2	7.69	241
180970078	2011	5	31	12	V	0.2	1.2	7.98	235
180970078	2011	5	31	13	V	1.4	1.1	7.13	228
180970078	2011	5	31	14	V	6.0	2.3	6.89	217
180970078	2011	5	31	15	V	5.7	4	7.71	209
180970078	2011	5	31	16	V	8.0	9.2	7.5	212
180970078	2011	5	31	17	V	7.6	4.5	7.23	217
180970078	2011	5	31	18	V	8.8	1.3	5.99	210
180970078	2011	5	31	19	V	29.1	11.1	5	210
180970078	2011	5	31	20	V	34.7	25.8	4.54	214
180970078	2011	5	31	21	V	25.1	7.7	3.91	218
180970078	2011	5	31	22	V	0.2	1.5	3.27	234
180970078	2011	5	31	23	V	37.3	1.1	3.47	215
180970078	2011	5	31	24	V	1.0	1.3	4.27	230
180970078	2011	6	1	1	V	0.1	1.8	3.42	236
180970078	2011	6	1	2	V	0.1	1.8	3.06	236
180970078	2011	6	1	3	V	0.05	2.1	2.76	240
180970078	2011	6	1	4	V	0.04	2	3.75	286
180970078	2011	6	1	5	V	0.06	1.2	4.1	317
180970078	2011	6	1	6	V	0.2	1.1	3.05	315
180970078	2011	6	1	7	V	0.2	1.1	3.78	322
180970078	2011	6	1	8	V	0.09	1.3	4.56	348
180970078	2011	6	1	9	V	0.1	1	4.1	355
180970078	2011	6	1	10	V	0.1	0.6	3.78	355
180970078	2011	6	1	11	V	0.2	0.4	2.72	309
180970078	2011	6	1	12	V	0.2	0.7	2.83	287
180970078	2011	6	1	13	V	0.06	0.6	4.25	273
180970078	2011	6	1	14	V	0.05	0.6	4.7	283
180970078	2011	6	1	15	V	0.02	0.7	5.79	280
180970078	2011	6	1	16	V	0.02	0.6	6.55	294
180970078	2011	6	1	17	V	0.02	0.7	5.39	298
180970078	2011	6	1	18	V	0.07	0.9	5.1	310
180970078	2011	6	1	19	V	0.04	0.5	3.81	312
180970078	2011	6	1	20	V	0.07	0.2	2.35	285
180970078	2011	6	1	21	V	0.5	0.7	2.35	232
180970078	2011	6	1	22	V	0.1	1.7	1.74	268
180970078	2011	6	1	23	V	0.1	1.3	1.77	283
180970078	2011	6	1	24	V	0.1	1.1	1.64	299
180970078	2011	6	2	1	V	0.05	1.2	2.35	330
180970078	2011	6	2	2	V	0.2	0.8	1.35	30

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	2	3	V	0.2	0.8	1.38	61
180970078	2011	6	2	4	V	1.2	0.6	0.74	338
180970078	2011	6	2	5	V	0.6	0.5	1.42	312
180970078	2011	6	2	6	V	2.6	0.9	0.92	327
180970078	2011	6	2	7	V	1.0	0.8	1.74	23
180970078	2011	6	2	8	V	0.4	1.1	2.47	63
180970078	2011	6	2	9	V	0.3	1.1	3.07	93
180970078	2011	6	2	10	V	0.3	1.8	2.66	104
180970078	2011	6	2	11	V	0.2	1.8	2.59	101
180970078	2011	6	2	12	V	0.3	1.3	2.42	97
180970078	2011	6	2	13	V	0.3	1.1	2.4	113
180970078	2011	6	2	14	V	0.08	1.2	3.95	110
180970078	2011	6	2	15	V	0.1	1.1	3.18	135
180970078	2011	6	2	16	V	0.09	1.1	2.98	155
180970078	2011	6	2	17	V	0.07	1.1	3.27	138
180970078	2011	6	2	18	V	0.01	1	2.35	106
180970078	2011	6	2	19	V	0.04	1.3	2.74	121
180970078	2011	6	2	20	V	0.3	2	1.84	199
180970078	2011	6	2	21	V	0.2	1.3	1.55	140
180970078	2011	6	2	22	V	0.04	1.2	2.84	126
180970078	2011	6	2	23	V	0.04	0.7	2.42	117
180970078	2011	6	2	24	V	0.04	0.9	2.71	111
180970078	2011	6	3	1	V	0.05	0.4	2.3	112
180970078	2011	6	3	2	V	0.04	1.4	2.36	107
180970078	2011	6	3	3	V	0.04	1.1	3.32	109
180970078	2011	6	3	4	V	0.04	1.5	2.79	114
180970078	2011	6	3	5	V	0.1	1.3	2.84	111
180970078	2011	6	3	6	V	0.1	2.1	3.2	116
180970078	2011	6	3	7	V	0.2	2.2	3.2	123
180970078	2011	6	3	8	V	0.4	2.1	2.52	132
180970078	2011	6	3	9	V	0.07	2.3	4.53	125
180970078	2011	6	3	10	V	0.2	1.7	3.74	124
180970078	2011	6	3	11	V	0.1	2.2	4.09	122
180970078	2011	6	3	12	V	0.09	2.4	4.58	131
180970078	2011	6	3	13	V	0.05	3.8	5.43	132
180970078	2011	6	3	14	V	0.04	6.1	5.44	141
180970078	2011	6	3	15	V	0.04	7	5.33	139
180970078	2011	6	3	16	V	0.03	7.1	4.88	150
180970078	2011	6	3	17	V	0.02	3.2	5.05	161
180970078	2011	6	3	18	V	0.09	2.5	4.34	149
180970078	2011	6	3	19	V	0.05	2	4	152
180970078	2011	6	3	20	V	0.05	3.3	3.86	161
180970078	2011	6	3	21	V	0.05	4.3	3.63	166
180970078	2011	6	3	22	V	0.04	11.7	3.37	143
180970078	2011	6	3	23	V	0.04	22.9	3.68	146
180970078	2011	6	3	24	V	0.04	14	2.83	155

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	4	1	V	0.1	9.6	1.74	137
180970078	2011	6	4	2	V	0.08	6.5	1.89	142
180970078	2011	6	4	3	V	0.07	5	1.99	114
180970078	2011	6	4	4	V	0.05	3.6	2.32	141
180970078	2011	6	4	5	V	0.3	3.1	2.18	145
180970078	2011	6	4	6	V	0.7	3.1	1.89	165
180970078	2011	6	4	7	V	0.9	4.7	1.98	177
180970078	2011	6	4	8	V	16.9	13.8	3.01	206
180970078	2011	6	4	9	V	15.2	27.8	4.1	221
180970078	2011	6	4	10	V	0.5	7.3	5.14	236
180970078	2011	6	4	11	V	0.3	3.1	4.78	240
180970078	2011	6	4	12	V	0.04	2.5	5.34	262
180970078	2011	6	4	13	V	0.04	1.7	5.43	262
180970078	2011	6	4	14	V	0.04	1.3	5.27	262
180970078	2011	6	4	15	V	0.04	0.9	5.73	250
180970078	2011	6	4	16	V	0.02	0.9	6.06	261
180970078	2011	6	4	17	V	0.02	0.8	7.13	242
180970078	2011	6	4	18	V	0.1	0.8	7.23	233
180970078	2011	6	4	19	V	0.2	2.4	6.5	236
180970078	2011	6	4	20	V	0.04	-999	10.44	4
180970078	2011	6	4	21	V	0.04	-999	6.62	37
180970078	2011	6	4	22	V	0.06	-999	4.32	152
180970078	2011	6	4	23	V	0.2	-999	5.63	247
180970078	2011	6	4	24	V	8.3	-999	4.94	224
180970078	2011	6	5	1	V	25.2	-999	3.95	217
180970078	2011	6	5	2	V	0.3	-999	4.03	251
180970078	2011	6	5	3	V	0.03	-999	3.9	288
180970078	2011	6	5	4	V	0.04	-999	2.47	343
180970078	2011	6	5	5	V	0.3	-999	2.2	6
180970078	2011	6	5	6	V	1.2	-999	1.28	336
180970078	2011	6	5	7	V	4.7	-999	0.72	283
180970078	2011	6	5	8	V	2.7	-999	0.89	21
180970078	2011	6	5	9	V	2.9	-999	0.84	42
180970078	2011	6	5	10	V	0.8	-999	1.42	54
180970078	2011	6	5	11	V	0.4	-999	2.18	355
180970078	2011	6	5	12	V	0.1	-999	3.8	294
180970078	2011	6	5	13	V	0.02	-999	6.33	280
180970078	2011	6	5	14	V	0.02	-999	6.31	287
180970078	2011	6	5	15	V	0.2	-999	2.55	290
180970078	2011	6	5	16	V	0.1	-999	3.12	21
180970078	2011	6	5	17	V	0.1	-999	2.47	25
180970078	2011	6	5	18	V	0.1	-999	2.96	34
180970078	2011	6	5	19	V	0.05	-999	2.69	35
180970078	2011	6	5	20	V	0.06	-999	2.55	39
180970078	2011	6	5	21	V	0.3	-999	1.37	53
180970078	2011	6	5	22	V	0.2	0.5	1.71	293

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	5	23	V	18.0	-999	1.3	223
180970078	2011	6	5	24	V	0.3	0.6	1.33	264
180970078	2011	6	6	1	V	0.6	1	1.65	247
180970078	2011	6	6	2	V	0.8	1.2	0.87	281
180970078	2011	6	6	3	V	0.7	1.9	0.94	260
180970078	2011	6	6	4	C	-999	1.8	0	0
180970078	2011	6	6	5	V	10.3	1.4	0.58	215
180970078	2011	6	6	6	V	5.0	1.6	0.6	52
180970078	2011	6	6	7	V	1.9	2.1	1.35	97
180970078	2011	6	6	8	V	2.3	3.1	1.31	120
180970078	2011	6	6	9	V	0.9	36.8	1.69	126
180970078	2011	6	6	10	V	0.4	47.9	2.45	136
180970078	2011	6	6	11	V	0.2	13	2.9	163
180970078	2011	6	6	12	V	0.1	7.8	3.03	180
180970078	2011	6	6	13	V	2.1	9.8	2.95	196
180970078	2011	6	6	14	V	8.2	29.3	3.47	207
180970078	2011	6	6	15	V	4.1	18.4	3.83	203
180970078	2011	6	6	16	V	7.8	22.2	3.71	208
180970078	2011	6	6	17	V	4.5	30.5	4.7	205
180970078	2011	6	6	18	V	7.4	18.9	4.7	209
180970078	2011	6	6	19	V	25.7	16.1	4.37	209
180970078	2011	6	6	20	V	1.0	15.2	3.56	202
180970078	2011	6	6	21	V	0.04	6.3	3.61	170
180970078	2011	6	6	22	V	0.04	1.6	3.85	165
180970078	2011	6	6	23	V	0.04	1.3	4.44	168
180970078	2011	6	6	24	V	0.04	1.1	4.32	185
180970078	2011	6	7	1	V	0.03	1.1	3.23	192
180970078	2011	6	7	2	V	0.08	1.9	3.17	200
180970078	2011	6	7	3	V	17.1	3.3	3.39	209
180970078	2011	6	7	4	V	24.2	12.4	3.51	211
180970078	2011	6	7	5	V	21.7	14.1	3.56	212
180970078	2011	6	7	6	V	25.1	16.1	3.08	213
180970078	2011	6	7	7	V	10.4	19.3	3.71	225
180970078	2011	6	7	8	V	0.9	7	4.63	234
180970078	2011	6	7	9	V	0.1	3.3	4.75	244
180970078	2011	6	7	10	V	0.09	1.9	5.24	247
180970078	2011	6	7	11	V	1.3	1.4	4.53	233
180970078	2011	6	7	12	V	0.2	1.1	4.95	242
180970078	2011	6	7	13	V	0.9	0.9	5.04	233
180970078	2011	6	7	14	V	1.3	1.9	5.65	230
180970078	2011	6	7	15	V	7.2	5.7	5.09	213
180970078	2011	6	7	16	V	6.1	4.4	5.11	209
180970078	2011	6	7	17	V	6.9	5.9	5.51	218
180970078	2011	6	7	18	V	25.5	3.7	5.21	210
180970078	2011	6	7	19	V	5.4	6.3	4.88	204
180970078	2011	6	7	20	V	0.04	2.1	4.29	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	7	21	V	0.04	1.5	4.44	176
180970078	2011	6	7	22	V	0.04	1.5	4.39	184
180970078	2011	6	7	23	V	0.7	1.7	4.03	201
180970078	2011	6	7	24	V	34.4	59.7	3.88	215
180970078	2011	6	8	1	V	2.3	27.4	3.39	204
180970078	2011	6	8	2	V	25.1	28.7	3.76	210
180970078	2011	6	8	3	V	0.03	3.4	3.08	185
180970078	2011	6	8	4	V	0.2	2.1	2.69	202
180970078	2011	6	8	5	V	0.1	2.1	2.76	147
180970078	2011	6	8	6	V	0.2	2.4	2.79	156
180970078	2011	6	8	7	V	0.4	2.6	2.74	174
180970078	2011	6	8	8	V	0.2	9.9	3.4	173
180970078	2011	6	8	9	V	1.4	25.4	4.1	195
180970078	2011	6	8	10	V	5.2	25.4	5.21	207
180970078	2011	6	8	11	V	6.3	13.6	5.46	214
180970078	2011	6	8	12	V	5.1	2.6	6.92	218
180970078	2011	6	8	13	V	5.8	2.2	6.7	215
180970078	2011	6	8	14	V	7.0	1.3	6.45	213
180970078	2011	6	8	15	V	2.4	4	6.45	204
180970078	2011	6	8	16	V	3.0	4.8	6.45	205
180970078	2011	6	8	17	V	2.7	5.7	6.72	205
180970078	2011	6	8	18	V	0.2	6.4	6.38	200
180970078	2011	6	8	19	V	0.04	1.6	5.77	182
180970078	2011	6	8	20	V	0.05	0.9	5.34	178
180970078	2011	6	8	21	V	0.04	1	5.02	180
180970078	2011	6	8	22	V	0.04	0.5	5.56	183
180970078	2011	6	8	23	V	0.3	0.6	4.75	199
180970078	2011	6	8	24	V	1.5	11	4.07	202
180970078	2011	6	9	1	V	7.4	15.1	3.01	224
180970078	2011	6	9	2	V	10.1	9.6	2.95	223
180970078	2011	6	9	3	V	26.3	10.9	2.4	216
180970078	2011	6	9	4	V	0.03	3.4	7.96	17
180970078	2011	6	9	5	V	0.04	0.7	4.36	50
180970078	2011	6	9	6	V	0.03	0	5.36	77
180970078	2011	6	9	7	V	0.2	0.9	3.36	105
180970078	2011	6	9	8	V	0.1	0.7	4.36	81
180970078	2011	6	9	9	V	0.5	1.3	2.4	112
180970078	2011	6	9	10	V	0.1	0.8	3.93	106
180970078	2011	6	9	11	V	0.07	0.8	4.53	92
180970078	2011	6	9	12	V	0.06	0.3	4.71	80
180970078	2011	6	9	13	V	0.06	0.1	4.2	96
180970078	2011	6	9	14	V	0.04	1	4.71	71
180970078	2011	6	9	15	V	0.05	0.3	4.51	113
180970078	2011	6	9	16	V	0.1	0.3	2.89	150
180970078	2011	6	9	17	V	8.8	1	5.02	212
180970078	2011	6	9	18	V	2.7	3.2	4.24	205

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	9	19	V	25.6	2.5	3.03	209
180970078	2011	6	9	20	V	13.7	4.2	1.84	223
180970078	2011	6	9	21	V	1.3	2.2	0.74	176
180970078	2011	6	9	22	V	0.04	1.2	4	69
180970078	2011	6	9	23	V	0.04	0.7	4.56	48
180970078	2011	6	9	24	V	0.03	0.7	3.85	57
180970078	2011	6	10	1	V	0.03	-999	3.4	56
180970078	2011	6	10	2	V	0.03	0.8	3.88	73
180970078	2011	6	10	3	V	0.03	0.1	3.49	78
180970078	2011	6	10	4	V	0.04	1.3	2.54	90
180970078	2011	6	10	5	V	0.3	1.2	2.11	121
180970078	2011	6	10	6	V	0.4	1.3	2.18	150
180970078	2011	6	10	7	V	0.3	1.7	2.73	175
180970078	2011	6	10	8	V	15.1	4.6	2.96	225
180970078	2011	6	10	9	V	0.2	2	3.9	43
180970078	2011	6	10	10	V	0.1	1.2	4.68	77
180970078	2011	6	10	11	V	0.04	2.8	5.36	108
180970078	2011	6	10	12	V	0.1	3.3	3.86	150
180970078	2011	6	10	13	V	0.7	3.1	8.46	202
180970078	2011	6	10	14	V	10.8	3.9	5.96	217
180970078	2011	6	10	15	V	0.03	1.4	6.96	241
180970078	2011	6	10	16	V	0.04	2.2	7.96	249
180970078	2011	6	10	17	V	0.03	1.9	8.46	251
180970078	2011	6	10	18	V	0.01	1.7	10.06	239
180970078	2011	6	10	19	V	0.2	1.7	5.36	246
180970078	2011	6	10	20	V	0.2	1.4	3.86	255
180970078	2011	6	10	21	V	24.9	1.3	4.36	217
180970078	2011	6	10	22	V	0.1	1.6	3.36	240
180970078	2011	6	10	23	V	0.8	1.6	1.76	232
180970078	2011	6	10	24	V	1.7	6.6	1.76	230
180970078	2011	6	11	1	V	0.03	3.4	5.96	344
180970078	2011	6	11	2	V	0.04	1	3.36	102
180970078	2011	6	11	3	V	0.04	1.1	4.86	151
180970078	2011	6	11	4	V	0.2	1	6.46	236
180970078	2011	6	11	5	V	0.02	7.8	5.96	107
180970078	2011	6	11	6	M	-999	3.3	2.36	999
180970078	2011	6	11	7	V	27.2	2	1.76	216
180970078	2011	6	11	8	V	0.3	3.3	3.36	251
180970078	2011	6	11	9	V	28.4	2.2	2.36	216
180970078	2011	6	11	10	V	0.7	1.9	3.86	238
180970078	2011	6	11	11	V	0.2	1.9	5.36	196
180970078	2011	6	11	12	V	0.2	22.5	4.36	243
180970078	2011	6	11	13	V	1.2	6.6	6.46	229
180970078	2011	6	11	14	V	9.9	1.7	3.36	222
180970078	2011	6	11	15	V	0.07	1.2	3.86	288
180970078	2011	6	11	16	V	0.05	0.9	4.36	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	11	17	V	0.03	1	4.36	272
180970078	2011	6	11	18	V	0.09	1.5	4.36	332
180970078	2011	6	11	19	V	0.05	1.1	4.86	331
180970078	2011	6	11	20	V	0.05	1.1	3.36	329
180970078	2011	6	11	21	V	0.05	1.1	2.86	328
180970078	2011	6	11	22	V	0.05	1.1	4.36	350
180970078	2011	6	11	23	V	0.04	1.4	4.36	345
180970078	2011	6	11	24	V	0.04	1	4.86	350
180970078	2011	6	12	1	V	0.03	1.1	5.36	352
180970078	2011	6	12	2	V	0.03	0.9	4.86	348
180970078	2011	6	12	3	V	0.03	0.9	5.36	8
180970078	2011	6	12	4	V	0.02	0.8	5.96	6
180970078	2011	6	12	5	V	0.04	0.9	3.86	12
180970078	2011	6	12	6	V	0.05	1	4.36	14
180970078	2011	6	12	7	V	0.04	0.8	4.36	358
180970078	2011	6	12	8	V	0.01	1.2	6.46	360
180970078	2011	6	12	9	V	0.01	1.1	7.46	10
180970078	2011	6	12	10	V	0.03	0.9	5.36	24
180970078	2011	6	12	11	V	0.02	1	5.96	351
180970078	2011	6	12	12	V	0.02	1	6.46	350
180970078	2011	6	12	13	V	0.01	0.9	6.96	343
180970078	2011	6	12	14	M	-999	0.9	1.76	999
180970078	2011	6	12	15	M	-999	0.8	3.36	999
180970078	2011	6	12	16	V	0.01	0.9	5.96	342
180970078	2011	6	12	17	V	0.02	0.9	4.36	339
180970078	2011	6	12	18	V	0.04	1.2	4.36	354
180970078	2011	6	12	19	V	0.02	1.2	5.08	340
180970078	2011	6	12	20	V	0.02	1	4.88	348
180970078	2011	6	12	21	V	0.03	1.4	5.04	358
180970078	2011	6	12	22	V	0.03	1.1	5.22	6
180970078	2011	6	12	23	V	0.03	-999	4.32	354
180970078	2011	6	12	24	V	0.03	1.2	4.12	354
180970078	2011	6	13	1	V	0.03	1.4	4.12	360
180970078	2011	6	13	2	V	0.03	0.7	3.39	8
180970078	2011	6	13	3	V	0.03	1	3.93	41
180970078	2011	6	13	4	V	0.03	0.9	3.35	32
180970078	2011	6	13	5	V	0.04	0.9	3.59	60
180970078	2011	6	13	6	V	0.1	0.9	3.35	89
180970078	2011	6	13	7	V	0.1	0.9	2.98	80
180970078	2011	6	13	8	V	0.04	1.4	4.36	40
180970078	2011	6	13	9	V	0.06	1.8	3.86	72
180970078	2011	6	13	10	V	0.1	1.9	3.36	66
180970078	2011	6	13	11	V	0.2	1.7	3.01	40
180970078	2011	6	13	12	V	0.2	1.6	3.08	45
180970078	2011	6	13	13	V	0.08	1.4	3.9	41
180970078	2011	6	13	14	V	0.1	1.4	3.18	39

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	13	15	V	0.08	1.2	3.29	38
180970078	2011	6	13	16	V	0.05	1.5	3.61	19
180970078	2011	6	13	17	V	0.08	1.2	2.61	327
180970078	2011	6	13	18	V	0.02	1.1	1.95	3
180970078	2011	6	13	19	V	0.03	0.9	3.86	26
180970078	2011	6	13	20	V	0.03	1	3.86	26
180970078	2011	6	13	21	V	0.03	0.6	2.86	48
180970078	2011	6	13	22	V	0.03	1.1	3.86	77
180970078	2011	6	13	23	V	0.03	1.2	2.81	44
180970078	2011	6	13	24	V	0.03	1.1	2.4	47
180970078	2011	6	14	1	V	0.03	1.1	2.35	81
180970078	2011	6	14	2	V	0.2	1.3	1.18	3
180970078	2011	6	14	3	V	0.2	0.9	1.38	30
180970078	2011	6	14	4	V	0.1	0.5	1.62	26
180970078	2011	6	14	5	V	0.4	1	1.62	359
180970078	2011	6	14	6	V	0.1	0.9	3.05	23
180970078	2011	6	14	7	V	0.3	1.1	3	41
180970078	2011	6	14	8	V	0.5	1.3	1.99	43
180970078	2011	6	14	9	V	0.09	1.7	3.36	85
180970078	2011	6	14	10	V	0.6	1.5	1.76	120
180970078	2011	6	14	11	C	-999	1.1	0	0
180970078	2011	6	14	12	M	-999	0.9	1.76	999
180970078	2011	6	14	13	V	0.2	1	2.36	179
180970078	2011	6	14	14	V	0.09	1.2	2.86	106
180970078	2011	6	14	15	V	9.6	1.1	3.36	210
180970078	2011	6	14	16	C	-999	0.9	0	0
180970078	2011	6	14	17	V	0.03	1.1	4.36	118
180970078	2011	6	14	18	V	0.02	1.6	2.86	114
180970078	2011	6	14	19	V	0.04	1.4	4.86	26
180970078	2011	6	14	20	V	0.04	1.5	2.36	159
180970078	2011	6	14	21	V	0.04	1.7	3.36	126
180970078	2011	6	14	22	V	0.04	1.6	2.86	127
180970078	2011	6	14	23	V	0.04	1.3	2.36	108
180970078	2011	6	14	24	V	0.03	0.7	3.86	99
180970078	2011	6	15	1	V	0.03	1.1	5.36	92
180970078	2011	6	15	2	V	0.03	0.9	5.36	101
180970078	2011	6	15	3	V	0.03	0.6	4.86	110
180970078	2011	6	15	4	V	0.03	1.2	5.96	124
180970078	2011	6	15	5	V	0.01	1.9	6.46	125
180970078	2011	6	15	6	V	0.01	3.6	7.96	132
180970078	2011	6	15	7	V	0.03	4.8	5.36	127
180970078	2011	6	15	8	V	0.2	4.1	3.86	252
180970078	2011	6	15	9	V	0.4	1.7	2.36	98
180970078	2011	6	15	10	V	0.01	1.1	7.96	94
180970078	2011	6	15	11	V	0.01	1.2	8.46	98
180970078	2011	6	15	12	V	0.02	1.7	6.96	143

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	15	13	V	0.04	1.6	5.96	127
180970078	2011	6	15	14	V	0.01	1.9	9.06	147
180970078	2011	6	15	15	V	0.02	2	5.36	175
180970078	2011	6	15	16	V	0.02	1.4	5.96	164
180970078	2011	6	15	17	V	0.02	1.5	5.96	169
180970078	2011	6	15	18	V	0.08	1.9	4.92	190
180970078	2011	6	15	19	V	0.05	1.3	3.59	168
180970078	2011	6	15	20	V	0.06	1.3	2.2	147
180970078	2011	6	15	21	V	0.05	1.5	3.49	162
180970078	2011	6	15	22	V	0.04	1.6	3.15	183
180970078	2011	6	15	23	V	18.4	1.6	2.86	220
180970078	2011	6	15	24	V	16.2	4.3	2.86	221
180970078	2011	6	16	1	V	0.2	3.1	2.81	234
180970078	2011	6	16	2	V	0.08	1.9	3.2	240
180970078	2011	6	16	3	V	0.3	1.4	3.1	232
180970078	2011	6	16	4	V	6.0	1.2	3.61	225
180970078	2011	6	16	5	V	10.2	1.1	3.07	224
180970078	2011	6	16	6	V	10.8	1.2	2.81	226
180970078	2011	6	16	7	V	0.2	1.9	3.86	249
180970078	2011	6	16	8	V	0.1	2.4	4.86	247
180970078	2011	6	16	9	V	0.03	2.3	6.46	265
180970078	2011	6	16	10	V	0.06	2.4	4.86	259
180970078	2011	6	16	11	V	0.02	1.7	9.56	246
180970078	2011	6	16	12	V	0.02	3.3	8.46	254
180970078	2011	6	16	13	V	0.01	2.1	8.96	280
180970078	2011	6	16	14	V	0.01	1.3	8.46	259
180970078	2011	6	16	15	V	0.01	1.2	7.96	260
180970078	2011	6	16	16	V	0.01	1.6	7.96	273
180970078	2011	6	16	17	V	0.01	2	7.96	262
180970078	2011	6	16	18	V	0.01	1.4	8.46	285
180970078	2011	6	16	19	V	0.03	1.9	5.36	284
180970078	2011	6	16	20	V	0.04	2.5	2.86	281
180970078	2011	6	16	21	C	-999	2.1	0	0
180970078	2011	6	16	22	V	10.2	1.8	2.36	207
180970078	2011	6	16	23	V	21.5	1.6	3.36	217
180970078	2011	6	16	24	V	16.3	2.4	3.36	220
180970078	2011	6	17	1	V	0.4	5.2	2.86	246
180970078	2011	6	17	2	V	0.9	4.7	2.86	229
180970078	2011	6	17	3	C	-999	3.3	0	0
180970078	2011	6	17	4	V	18.3	3.1	4.36	218
180970078	2011	6	17	5	V	0.1	5.2	4.36	239
180970078	2011	6	17	6	V	8.7	3.7	1.76	232
180970078	2011	6	17	7	V	10.4	3.8	2.86	227
180970078	2011	6	17	8	V	0.2	4.4	3.86	253
180970078	2011	6	17	9	V	11.3	3.7	5.36	218
180970078	2011	6	17	10	V	7.7	3.1	2.86	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	17	11	V	0.9	9.2	3.88	192
180970078	2011	6	17	12	V	5.8	15.5	5	206
180970078	2011	6	17	13	V	6.3	27.7	5.24	208
180970078	2011	6	17	14	V	7.6	27.9	4.94	218
180970078	2011	6	17	15	V	0.9	15.2	6.14	230
180970078	2011	6	17	16	V	7.6	2.6	5.89	217
180970078	2011	6	17	17	V	9.2	2.3	6.09	215
180970078	2011	6	17	18	V	8.7	2.8	6.38	216
180970078	2011	6	17	19	V	1.8	2.5	3.61	201
180970078	2011	6	17	20	V	0.09	15.4	1.65	126
180970078	2011	6	17	21	V	6.5	8.4	2.42	205
180970078	2011	6	17	22	V	28.5	9.7	3.98	216
180970078	2011	6	17	23	V	18.0	10.7	3.83	220
180970078	2011	6	17	24	V	0.1	1.7	5.96	239
180970078	2011	6	18	1	V	0.1	1.2	5.96	240
180970078	2011	6	18	2	V	0.07	1.6	1.76	192
180970078	2011	6	18	3	V	0.06	2.1	1.76	144
180970078	2011	6	18	4	V	0.04	6.9	3.36	165
180970078	2011	6	18	5	V	0.2	6.1	1.76	31
180970078	2011	6	18	6	C	-999	3.7	0	0
180970078	2011	6	18	7	C	-999	3.6	0	0
180970078	2011	6	18	8	V	0.1	3.4	3.36	141
180970078	2011	6	18	9	V	0.03	3	4.86	114
180970078	2011	6	18	10	V	0.4	1.9	1.76	142
180970078	2011	6	18	11	V	3.2	1.9	4.36	201
180970078	2011	6	18	12	V	14.4	15.3	4.36	208
180970078	2011	6	18	13	V	0.05	30.5	4.36	133
180970078	2011	6	18	14	V	0.02	4.4	5.96	92
180970078	2011	6	18	15	V	0.02	1.2	6.46	192
180970078	2011	6	18	16	V	10.1	2.2	6.46	210
180970078	2011	6	18	17	V	0.02	3	12.06	196
180970078	2011	6	18	18	C	-999	3.7	0	0
180970078	2011	6	18	19	V	0.05	1.3	2.36	131
180970078	2011	6	18	20	V	0.3	1	3.36	250
180970078	2011	6	18	21	V	0.07	0.8	1.76	338
180970078	2011	6	18	22	V	24.0	1	2.36	210
180970078	2011	6	18	23	V	0.04	1.4	3.36	197
180970078	2011	6	18	24	V	20.4	2.1	2.36	220
180970078	2011	6	19	1	V	2.2	2.3	1.76	202
180970078	2011	6	19	2	V	6.6	1.8	2.86	225
180970078	2011	6	19	3	C	-999	2.7	0	0
180970078	2011	6	19	4	V	0.04	4.9	2.36	108
180970078	2011	6	19	5	V	0.4	2.2	1.76	84
180970078	2011	6	19	6	V	0.7	1.3	1.76	76
180970078	2011	6	19	7	V	0.09	0.9	3.86	133
180970078	2011	6	19	8	V	0.09	1	3.86	116

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	19	9	V	0.07	1.4	3.86	133
180970078	2011	6	19	10	V	0.1	0.8	3.86	134
180970078	2011	6	19	11	V	17.3	1.2	3.36	212
180970078	2011	6	19	12	V	16.5	1.2	2.86	216
180970078	2011	6	19	13	C	-999	0.9	0	0
180970078	2011	6	19	14	V	0.3	0.9	1.76	72
180970078	2011	6	19	15	V	0.1	1.7	2.36	16
180970078	2011	6	19	16	C	-999	1.4	0	0
180970078	2011	6	19	17	V	0.2	1.5	1.76	265
180970078	2011	6	19	18	V	24.7	1.5	4.36	211
180970078	2011	6	19	19	V	5.2	19.2	4.36	204
180970078	2011	6	19	20	V	0.04	28	3.36	178
180970078	2011	6	19	21	V	0.07	8	1.76	186
180970078	2011	6	19	22	V	0.04	3	2.86	176
180970078	2011	6	19	23	V	0.04	-999	2.81	162
180970078	2011	6	19	24	V	0.04	1.4	2.39	146
180970078	2011	6	20	1	V	0.05	1.1	2.42	116
180970078	2011	6	20	2	V	0.03	0.9	3.12	125
180970078	2011	6	20	3	V	0.04	0.8	3.34	139
180970078	2011	6	20	4	V	0.04	0.7	4.32	156
180970078	2011	6	20	5	V	0.04	0.9	4.32	117
180970078	2011	6	20	6	V	0.03	0.7	5.31	125
180970078	2011	6	20	7	V	0.02	0.8	6.62	97
180970078	2011	6	20	8	V	0.05	0.8	4.63	131
180970078	2011	6	20	9	V	0.02	1	6.79	76
180970078	2011	6	20	10	V	0.02	0.8	6.87	77
180970078	2011	6	20	11	V	0.2	0.7	3.03	129
180970078	2011	6	20	12	V	0.09	0.8	4.54	127
180970078	2011	6	20	13	V	0.03	1	5.8	134
180970078	2011	6	20	14	V	0.03	0.8	5.55	114
180970078	2011	6	20	15	V	0.02	0.9	6.14	97
180970078	2011	6	20	16	V	0.01	0.9	8.2	126
180970078	2011	6	20	17	V	0.01	1.1	7.43	139
180970078	2011	6	20	18	V	0.07	4.1	5.17	131
180970078	2011	6	20	19	V	0.04	2.6	6.84	155
180970078	2011	6	20	20	V	0.05	3.7	5.77	160
180970078	2011	6	20	21	V	0.05	2.3	3.13	148
180970078	2011	6	20	22	V	0.06	1.3	2.05	109
180970078	2011	6	20	23	V	0.05	0.8	2.98	113
180970078	2011	6	20	24	V	0.04	0.8	3.66	122
180970078	2011	6	21	1	V	0.03	1	3.52	118
180970078	2011	6	21	2	V	0.04	1.1	3.78	129
180970078	2011	6	21	3	V	0.04	1.2	4.29	141
180970078	2011	6	21	4	V	0.04	1.3	4.14	142
180970078	2011	6	21	5	V	0.06	1.3	4.31	133
180970078	2011	6	21	6	V	0.09	1.3	4.07	138

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	21	7	V	0.1	1.6	4.25	145
180970078	2011	6	21	8	V	0.06	1.9	4.71	175
180970078	2011	6	21	9	V	6.0	6.2	6.41	206
180970078	2011	6	21	10	V	5.0	17.9	7.81	220
180970078	2011	6	21	11	V	7.0	4.2	7.11	214
180970078	2011	6	21	12	V	1.5	13.6	6.18	201
180970078	2011	6	21	13	V	0.02	2.3	6.48	182
180970078	2011	6	21	14	V	0.02	1.6	6.67	179
180970078	2011	6	21	15	V	0.01	1	6.84	179
180970078	2011	6	21	16	V	0.01	0.9	7.06	186
180970078	2011	6	21	17	V	0.01	0.9	9.02	168
180970078	2011	6	21	18	V	0.05	0.9	10.32	179
180970078	2011	6	21	19	V	6.3	2.5	8.57	203
180970078	2011	6	21	20	V	23.0	25.6	7.47	214
180970078	2011	6	21	21	V	0.09	17.5	5.62	194
180970078	2011	6	21	22	V	0.04	3.7	7.23	188
180970078	2011	6	21	23	V	0.3	2.4	6.92	196
180970078	2011	6	21	24	V	0.7	2.2	5.5	200
180970078	2011	6	22	1	V	0.3	2.7	6.47	197
180970078	2011	6	22	2	V	13.9	2.8	5.55	209
180970078	2011	6	22	3	V	4.6	19.7	5.29	204
180970078	2011	6	22	4	V	0.3	16.9	4.7	197
180970078	2011	6	22	5	V	0.04	3.5	4.49	172
180970078	2011	6	22	6	V	0.03	2	5.43	186
180970078	2011	6	22	7	V	2.4	2.5	5.97	202
180970078	2011	6	22	8	V	0.9	2.3	6.82	201
180970078	2011	6	22	9	V	0.6	2.1	7.94	200
180970078	2011	6	22	10	V	3.2	2.7	7.83	205
180970078	2011	6	22	11	V	0.5	2.4	8.66	199
180970078	2011	6	22	12	V	0.2	2	9.56	198
180970078	2011	6	22	13	V	1.7	2.6	10	204
180970078	2011	6	22	14	V	1.5	9.4	10.8	204
180970078	2011	6	22	15	V	4.2	9.9	11.33	219
180970078	2011	6	22	16	V	0.4	2.8	11.74	230
180970078	2011	6	22	17	V	0.01	1.1	11.06	241
180970078	2011	6	22	18	V	0.02	1.3	9.98	244
180970078	2011	6	22	19	V	0.1	1.5	7.06	242
180970078	2011	6	22	20	V	13.1	1.6	6.02	221
180970078	2011	6	22	21	V	0.3	1.3	5.07	251
180970078	2011	6	22	22	V	0.04	1.2	2.54	275
180970078	2011	6	22	23	V	0.03	1.8	2.49	260
180970078	2011	6	22	24	V	0.3	1.7	3.64	246
180970078	2011	6	23	1	V	7.7	1.7	3.25	224
180970078	2011	6	23	2	V	0.02	2.9	4.36	172
180970078	2011	6	23	3	V	0.1	3.5	3.83	200
180970078	2011	6	23	4	V	0.8	3.9	4.51	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	23	5	V	5.7	7.4	4.05	214
180970078	2011	6	23	6	V	2.9	10.6	5.36	225
180970078	2011	6	23	7	V	0.04	2.6	5.62	239
180970078	2011	6	23	8	V	0.02	1.9	7.4	240
180970078	2011	6	23	9	V	0.02	1.8	8.5	245
180970078	2011	6	23	10	V	0.03	2.7	8.54	250
180970078	2011	6	23	11	V	0.03	7.2	8.1	246
180970078	2011	6	23	12	V	0.01	5.3	7.91	240
180970078	2011	6	23	13	V	0.02	1	7.69	244
180970078	2011	6	23	14	V	0.02	0.8	8	244
180970078	2011	6	23	15	V	0.02	1	8.49	244
180970078	2011	6	23	16	V	0.03	1.1	8.85	248
180970078	2011	6	23	17	V	0.01	1.1	7.15	259
180970078	2011	6	23	18	V	0.1	1.4	7.57	242
180970078	2011	6	23	19	V	0.1	1.4	5.73	255
180970078	2011	6	23	20	V	0.1	1.1	6.09	256
180970078	2011	6	23	21	V	0.1	1.3	5.67	242
180970078	2011	6	23	22	V	0.2	2	6.57	249
180970078	2011	6	23	23	V	0.2	2.9	6.11	250
180970078	2011	6	23	24	V	0.1	1.5	5.39	256
180970078	2011	6	24	1	V	0.1	1.1	5.43	254
180970078	2011	6	24	2	V	0.09	1.1	5.16	257
180970078	2011	6	24	3	V	0.2	1.1	4.86	252
180970078	2011	6	24	4	V	0.03	1	5.96	261
180970078	2011	6	24	5	V	0.04	1.3	5.36	243
180970078	2011	6	24	6	V	0.02	0.9	4.86	267
180970078	2011	6	24	7	V	0.03	0.8	4.36	265
180970078	2011	6	24	8	V	0.01	1	6.46	282
180970078	2011	6	24	9	V	0.01	0.9	5.66	261
180970078	2011	6	24	10	V	0.02	1.2	5	263
180970078	2011	6	24	11	V	0.01	1.1	5.9	292
180970078	2011	6	24	12	V	0.01	1	6.11	284
180970078	2011	6	24	13	V	0.01	0.8	5.16	277
180970078	2011	6	24	14	V	0.01	0.9	7.47	261
180970078	2011	6	24	15	V	0.005	0.8	7.72	281
180970078	2011	6	24	16	V	0.01	0.8	6.33	297
180970078	2011	6	24	17	V	0.01	0.9	5.16	294
180970078	2011	6	24	18	V	0.02	0.9	4.63	295
180970078	2011	6	24	19	V	0.02	1	4.59	293
180970078	2011	6	24	20	V	0.02	0.9	4.48	297
180970078	2011	6	24	21	V	0.02	0.8	3.64	287
180970078	2011	6	24	22	V	0.5	1	2.36	248
180970078	2011	6	24	23	V	0.02	0.8	2.86	286
180970078	2011	6	24	24	V	0.02	0.8	2.36	283
180970078	2011	6	25	1	V	0.2	1	1.76	253
180970078	2011	6	25	2	V	0.1	0.8	3.36	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	25	3	V	0.06	0.9	2.36	237
180970078	2011	6	25	4	V	0.02	0.9	2.86	269
180970078	2011	6	25	5	V	0.2	0.9	2.36	257
180970078	2011	6	25	6	V	0.2	0.8	1.76	286
180970078	2011	6	25	7	V	0.2	0.8	2.09	269
180970078	2011	6	25	8	V	0.2	1	2.27	307
180970078	2011	6	25	9	V	0.1	1.3	2.76	319
180970078	2011	6	25	10	V	0.06	1.8	3.32	313
180970078	2011	6	25	11	V	0.2	1.4	2.18	319
180970078	2011	6	25	12	V	0.2	1.1	1.82	360
180970078	2011	6	25	13	V	0.2	1	2.03	96
180970078	2011	6	25	14	V	1.6	1	1.69	206
180970078	2011	6	25	15	V	0.1	0.9	1.67	149
180970078	2011	6	25	16	V	0.9	1.1	3.1	203
180970078	2011	6	25	17	V	1.3	2.4	4.1	208
180970078	2011	6	25	18	V	0.01	2.1	4.24	168
180970078	2011	6	25	19	V	0.02	1.2	2.49	168
180970078	2011	6	25	20	V	0.04	1	1.6	179
180970078	2011	6	25	21	V	0.07	1	1.45	130
180970078	2011	6	25	22	V	0.04	1.5	1.74	133
180970078	2011	6	25	23	V	0.02	1.7	2.86	134
180970078	2011	6	25	24	V	0.02	1.2	2.72	119
180970078	2011	6	26	1	V	0.02	1	3.39	107
180970078	2011	6	26	2	V	0.02	0.9	2.91	125
180970078	2011	6	26	3	V	0.02	0.8	4.85	103
180970078	2011	6	26	4	V	0.02	0.8	4.65	84
180970078	2011	6	26	5	V	0.02	1.4	3.83	65
180970078	2011	6	26	6	V	0.1	1.2	2.01	57
180970078	2011	6	26	7	V	0.1	1.1	2.69	70
180970078	2011	6	26	8	V	0.1	1	2.74	31
180970078	2011	6	26	9	V	0.08	0.9	2.47	68
180970078	2011	6	26	10	V	0.04	1.1	3.61	100
180970078	2011	6	26	11	V	0.03	1.1	4.09	117
180970078	2011	6	26	12	V	0.01	1.3	5.31	129
180970078	2011	6	26	13	V	0.01	1.2	4.95	116
180970078	2011	6	26	14	V	0.02	1.3	4.49	108
180970078	2011	6	26	15	V	0.01	1	4.95	112
180970078	2011	6	26	16	V	0.01	1.1	4.49	121
180970078	2011	6	26	17	V	0.01	1.1	4.8	130
180970078	2011	6	26	18	V	0.03	0.8	4.71	129
180970078	2011	6	26	19	V	0.02	0.8	4	119
180970078	2011	6	26	20	V	0.02	0.9	3.83	120
180970078	2011	6	26	21	V	0.02	0.6	3.83	123
180970078	2011	6	26	22	V	0.02	0.6	3.41	113
180970078	2011	6	26	23	V	0.02	-999	3.59	108
180970078	2011	6	26	24	V	0.01	1	3.74	117

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	27	1	V	0.01	2	3.49	133
180970078	2011	6	27	2	V	0.02	2.9	2.79	139
180970078	2011	6	27	3	V	0.03	2.9	3.06	143
180970078	2011	6	27	4	V	0.03	4.3	3.41	123
180970078	2011	6	27	5	V	0.02	4.6	4.86	146
180970078	2011	6	27	6	V	0.01	3	7.29	153
180970078	2011	6	27	7	V	0.2	3.4	3.46	243
180970078	2011	6	27	8	V	0.1	2.4	3.8	165
180970078	2011	6	27	9	V	0.01	2.3	7.42	135
180970078	2011	6	27	10	V	0.02	1.3	6.43	162
180970078	2011	6	27	11	V	0.1	1.4	4.85	195
180970078	2011	6	27	12	V	0.05	1.2	4.97	183
180970078	2011	6	27	13	V	0.03	1.3	5.29	154
180970078	2011	6	27	14	V	0.05	1.1	4.71	171
180970078	2011	6	27	15	V	0.07	1.2	3.83	175
180970078	2011	6	27	16	V	4.4	1.1	4	202
180970078	2011	6	27	17	V	1.1	8.5	4.6	230
180970078	2011	6	27	18	V	0.02	2.8	5.5	258
180970078	2011	6	27	19	V	0.05	1.8	5.67	262
180970078	2011	6	27	20	V	0.3	2.2	4.71	251
180970078	2011	6	27	21	V	0.08	1.3	4.32	259
180970078	2011	6	27	22	V	0.4	1.1	3.23	248
180970078	2011	6	27	23	V	0.1	0.8	3.97	237
180970078	2011	6	27	24	V	0.2	1.2	4.34	243
180970078	2011	6	28	1	V	0.3	2.1	3.68	247
180970078	2011	6	28	2	V	0.1	2.1	3.17	242
180970078	2011	6	28	3	V	0.08	1.8	3.17	240
180970078	2011	6	28	4	V	0.3	1.3	3.66	251
180970078	2011	6	28	5	V	0.1	1	3.63	275
180970078	2011	6	28	6	V	0.09	1.1	4.58	307
180970078	2011	6	28	7	V	0.2	1.2	3.93	312
180970078	2011	6	28	8	V	0.1	1.7	4.17	316
180970078	2011	6	28	9	V	0.1	1.5	4.2	320
180970078	2011	6	28	10	V	0.04	1.3	5.51	312
180970078	2011	6	28	11	V	0.03	1.2	6.53	308
180970078	2011	6	28	12	V	0.02	1	6.77	311
180970078	2011	6	28	13	V	0.02	1	6.99	307
180970078	2011	6	28	14	V	0.02	1.2	6.48	319
180970078	2011	6	28	15	V	0.03	1.4	5.7	304
180970078	2011	6	28	16	V	0.02	1.2	5.65	314
180970078	2011	6	28	17	V	0.02	1.1	5.63	312
180970078	2011	6	28	18	V	0.01	0.8	5.96	321
180970078	2011	6	28	19	V	0.04	0.9	5.04	318
180970078	2011	6	28	20	V	0.04	1.2	4.46	310
180970078	2011	6	28	21	V	0.04	1.1	3.51	314
180970078	2011	6	28	22	V	0.05	0.9	2.69	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	28	23	V	0.08	0.8	1.93	271
180970078	2011	6	28	24	V	0.2	1	1.4	5
180970078	2011	6	29	1	V	0.1	0.9	1.74	49
180970078	2011	6	29	2	V	0.3	0.9	1.2	100
180970078	2011	6	29	3	V	0.1	0.9	1.67	133
180970078	2011	6	29	4	V	0.1	0.9	1.67	106
180970078	2011	6	29	5	V	0.7	0.8	1.25	114
180970078	2011	6	29	6	V	4.1	1.1	0.75	250
180970078	2011	6	29	7	V	5.6	1.5	1.03	238
180970078	2011	6	29	8	V	3.4	2.1	1.72	230
180970078	2011	6	29	9	V	4.7	1.4	2.08	215
180970078	2011	6	29	10	V	4.5	2.2	2.25	214
180970078	2011	6	29	11	V	2.2	13.5	1.62	238
180970078	2011	6	29	12	V	0.3	1.9	2.38	291
180970078	2011	6	29	13	V	0.3	1.5	2.57	289
180970078	2011	6	29	14	V	0.4	1.8	2.18	308
180970078	2011	6	29	15	V	0.6	1.3	1.84	260
180970078	2011	6	29	16	V	0.3	1	1.99	288
180970078	2011	6	29	17	V	0.1	1.3	2.64	305
180970078	2011	6	29	18	V	0.03	1.4	2.73	326
180970078	2011	6	29	19	V	0.06	1.4	2.64	315
180970078	2011	6	29	20	V	0.05	1.3	2.86	322
180970078	2011	6	29	21	V	0.07	1.2	2.44	325
180970078	2011	6	29	22	V	0.2	1.3	1.48	320
180970078	2011	6	29	23	V	0.3	1.3	1.22	293
180970078	2011	6	29	24	V	0.4	1.2	1.46	253
180970078	2011	6	30	1	V	0.5	1.2	1.03	267
180970078	2011	6	30	2	V	0.3	1.3	1.28	277
180970078	2011	6	30	3	V	0.4	1.3	1.18	320
180970078	2011	6	30	4	V	0.2	1.8	1.42	269
180970078	2011	6	30	5	V	0.8	2.2	1.31	305
180970078	2011	6	30	6	V	1.2	2	1.31	314
180970078	2011	6	30	7	V	4.2	1.9	0.53	81
180970078	2011	6	30	8	V	3.8	1.7	0.52	38
180970078	2011	6	30	9	V	2.4	1.7	0.77	189
180970078	2011	6	30	10	V	6.8	2	2.33	216
180970078	2011	6	30	11	V	5.3	18.7	2.37	225
180970078	2011	6	30	12	V	6.7	20.5	2.81	207
180970078	2011	6	30	13	V	7.7	16.8	2.86	209
180970078	2011	6	30	14	V	4.8	9.6	2.61	199
180970078	2011	6	30	15	V	7.8	6.3	2.45	217
180970078	2011	6	30	16	V	5.9	11.3	3.01	224
180970078	2011	6	30	17	V	6.0	10.9	3.35	223
180970078	2011	6	30	18	V	7.2	17.5	3.05	220
180970078	2011	6	30	19	V	34.7	19.6	2.27	217
180970078	2011	6	30	20	V	0.06	6.9	3.68	152

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	6	30	21	V	0.05	2.6	3.25	183
180970078	2011	6	30	22	V	0.08	3.2	3.88	259
180970078	2011	6	30	23	V	0.04	3.6	5.36	329
180970078	2011	6	30	24	V	0.04	1.1	5.46	342
180970078	2011	7	1	1	V	0.3	1.1	4.66	248
180970078	2011	7	1	2	V	25.0	1.1	2.38	216
180970078	2011	7	1	3	V	0.04	1.5	4	282
180970078	2011	7	1	4	V	0.04	1.4	3.12	104
180970078	2011	7	1	5	V	0.5	1.1	1.69	163
180970078	2011	7	1	6	V	0.6	1.5	1.96	81
180970078	2011	7	1	7	V	0.7	2	1.81	2
180970078	2011	7	1	8	V	1.1	2.4	1.42	275
180970078	2011	7	1	9	V	3.9	2.3	1.47	234
180970078	2011	7	1	10	V	6.4	1.5	1.79	228
180970078	2011	7	1	11	V	1.7	1.3	1.81	245
180970078	2011	7	1	12	V	2.4	1.3	0.92	261
180970078	2011	7	1	13	V	1.6	1.2	1.11	33
180970078	2011	7	1	14	V	0.4	1	1.98	103
180970078	2011	7	1	15	V	0.5	1.1	1.69	115
180970078	2011	7	1	16	V	1.8	1	1.54	185
180970078	2011	7	1	17	V	0.4	1	3.13	237
180970078	2011	7	1	18	V	1.5	2.6	3.07	227
180970078	2011	7	1	19	V	24.9	7.1	3.67	210
180970078	2011	7	1	20	V	7.3	23.6	3.36	225
180970078	2011	7	1	21	V	0.4	12.8	1.28	245
180970078	2011	7	1	22	V	1.0	4.5	0.69	316
180970078	2011	7	1	23	V	0.3	3.1	1.23	126
180970078	2011	7	1	24	V	0.04	4.1	2.66	135
180970078	2011	7	2	1	V	0.03	4.7	2.91	154
180970078	2011	7	2	2	V	0.08	4.1	1.87	180
180970078	2011	7	2	3	V	15.0	2.5	1.43	206
180970078	2011	7	2	4	V	25.8	1.5	1.47	209
180970078	2011	7	2	5	V	0.5	1.3	1.82	181
180970078	2011	7	2	6	V	20.3	1.1	2.01	206
180970078	2011	7	2	7	V	0.8	2.4	2.2	177
180970078	2011	7	2	8	V	23.8	27.8	2.76	218
180970078	2011	7	2	9	V	0.4	23.2	2.1	267
180970078	2011	7	2	10	V	0.3	32.2	3.9	188
180970078	2011	7	2	11	V	5.9	37.8	3.93	210
180970078	2011	7	2	12	V	4.9	32.6	4.6	206
180970078	2011	7	2	13	V	3.1	47.3	4.97	203
180970078	2011	7	2	14	V	1.9	35.9	4.97	199
180970078	2011	7	2	15	V	4.3	36.8	5.27	214
180970078	2011	7	2	16	V	4.0	33.1	5.09	208
180970078	2011	7	2	17	V	4.3	13.2	5.11	207
180970078	2011	7	2	18	V	5.9	21.7	6.01	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	2	19	V	22.2	37.1	6.04	209
180970078	2011	7	2	20	V	2.1	33	4.39	201
180970078	2011	7	2	21	V	36.4	27.4	3.85	213
180970078	2011	7	2	22	V	40.3	40.8	2.23	215
180970078	2011	7	2	23	V	0.04	3.9	6.84	18
180970078	2011	7	2	24	V	0.04	2	4.51	284
180970078	2011	7	3	1	V	0.03	4.4	10.14	186
180970078	2011	7	3	2	V	16.6	4.2	7.55	215
180970078	2011	7	3	3	V	0.03	1	6.82	282
180970078	2011	7	3	4	V	0.04	0.9	5.04	276
180970078	2011	7	3	5	V	0.2	1.5	2.86	31
180970078	2011	7	3	6	V	0.07	2.5	4.11	31
180970078	2011	7	3	7	V	0.2	1.8	3.37	52
180970078	2011	7	3	8	V	0.2	1.5	2.88	78
180970078	2011	7	3	9	V	0.6	2.3	1.55	162
180970078	2011	7	3	10	V	3.4	2	1.74	235
180970078	2011	7	3	11	V	3.3	1.8	1.87	233
180970078	2011	7	3	12	V	2.5	1.6	1.6	237
180970078	2011	7	3	13	V	1.7	1.5	2.16	243
180970078	2011	7	3	14	V	0.3	1.9	2.79	248
180970078	2011	7	3	15	V	0.1	1.3	2.62	282
180970078	2011	7	3	16	V	0.1	1.2	2.76	338
180970078	2011	7	3	17	V	0.09	0.9	2.93	328
180970078	2011	7	3	18	V	0.03	1	3.83	332
180970078	2011	7	3	19	V	0.04	1	4.36	325
180970078	2011	7	3	20	V	0.05	1	3.74	318
180970078	2011	7	3	21	V	0.04	1.2	2.93	296
180970078	2011	7	3	22	V	0.04	1.3	2.86	266
180970078	2011	7	3	23	V	0.2	-999	5.26	242
180970078	2011	7	3	24	V	0.04	1.5	2.78	274
180970078	2011	7	4	1	V	0.03	1.3	2.93	24
180970078	2011	7	4	2	V	0.04	1.6	3.42	27
180970078	2011	7	4	3	V	0.07	2.4	1.77	352
180970078	2011	7	4	4	V	0.3	1.9	1.15	297
180970078	2011	7	4	5	V	0.7	1.4	1.2	279
180970078	2011	7	4	6	V	0.5	1.2	1.76	274
180970078	2011	7	4	7	V	0.5	0.9	2.72	256
180970078	2011	7	4	8	V	0.2	0.9	2.52	332
180970078	2011	7	4	9	V	0.8	1.2	1.43	25
180970078	2011	7	4	10	V	0.5	1.2	1.77	289
180970078	2011	7	4	11	V	0.2	1.3	2.61	342
180970078	2011	7	4	12	V	1.1	8.4	1.47	326
180970078	2011	7	4	13	V	0.8	10.9	1.76	323
180970078	2011	7	4	14	V	0.5	6	2.23	334
180970078	2011	7	4	15	V	0.09	1.8	3.51	318
180970078	2011	7	4	16	V	0.05	1.2	4.39	337

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	4	17	V	0.02	1.2	5.67	344
180970078	2011	7	4	18	V	0.02	1.2	5.04	346
180970078	2011	7	4	19	V	0.04	1.2	5.05	350
180970078	2011	7	4	20	V	0.04	1.1	4.58	357
180970078	2011	7	4	21	V	0.04	2.5	3.01	338
180970078	2011	7	4	22	V	0.06	3.4	2.3	300
180970078	2011	7	4	23	V	0.03	9.6	3.25	334
180970078	2011	7	4	24	V	0.1	2	1.74	327
180970078	2011	7	5	1	V	0.2	2.2	1.35	325
180970078	2011	7	5	2	V	0.2	1.5	1.4	334
180970078	2011	7	5	3	V	0.05	1.3	2.3	9
180970078	2011	7	5	4	V	0.07	1.2	2.06	16
180970078	2011	7	5	5	V	0.5	1.1	1.64	8
180970078	2011	7	5	6	V	0.5	0.9	2.16	20
180970078	2011	7	5	7	V	0.6	1.2	2.3	23
180970078	2011	7	5	8	V	0.4	1.6	2.32	26
180970078	2011	7	5	9	V	0.6	1.8	2.06	36
180970078	2011	7	5	10	V	1.3	1.5	1.69	34
180970078	2011	7	5	11	V	1.3	1.1	1.69	31
180970078	2011	7	5	12	V	1.2	1.1	1.76	27
180970078	2011	7	5	13	V	1.1	1	1.74	350
180970078	2011	7	5	14	V	2.2	0.9	2.03	207
180970078	2011	7	5	15	V	1.3	1.2	2.47	241
180970078	2011	7	5	16	V	1.9	1	2.45	193
180970078	2011	7	5	17	V	4.6	1.1	3.44	212
180970078	2011	7	5	18	V	2.6	5.1	3.08	227
180970078	2011	7	5	19	V	0.04	5.7	3.58	267
180970078	2011	7	5	20	V	0.04	1.2	3.3	264
180970078	2011	7	5	21	V	0.06	0.9	2.59	290
180970078	2011	7	5	22	V	0.06	1.4	2.73	325
180970078	2011	7	5	23	V	0.07	1.3	2.32	336
180970078	2011	7	5	24	V	0.2	1	1.42	12
180970078	2011	7	6	1	V	0.3	0.9	1.18	327
180970078	2011	7	6	2	V	1.3	1.2	0.67	259
180970078	2011	7	6	3	V	0.08	1	1.96	283
180970078	2011	7	6	4	V	0.3	1.2	1.26	38
180970078	2011	7	6	5	V	2.1	1.1	0.96	276
180970078	2011	7	6	6	V	1.8	1	1.54	250
180970078	2011	7	6	7	V	2.9	1.5	1.33	258
180970078	2011	7	6	8	V	1.8	2.4	1.55	255
180970078	2011	7	6	9	V	0.9	3	1.86	255
180970078	2011	7	6	10	V	0.3	5.6	2.71	271
180970078	2011	7	6	11	V	0.2	20.5	3.2	291
180970078	2011	7	6	12	V	0.4	30.4	2.5	292
180970078	2011	7	6	13	V	0.5	10.3	2.38	312
180970078	2011	7	6	14	V	0.3	3	2.81	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	6	15	V	0.3	-999	2.42	288
180970078	2011	7	6	16	V	0.1	1.6	3.18	310
180970078	2011	7	6	17	V	0.09	1.4	3.15	322
180970078	2011	7	6	18	V	0.04	1.4	3.51	305
180970078	2011	7	6	19	V	0.04	1.2	3.52	310
180970078	2011	7	6	20	V	0.04	1.2	3.57	315
180970078	2011	7	6	21	V	0.05	1.4	3.03	319
180970078	2011	7	6	22	V	0.07	1.3	2.49	326
180970078	2011	7	6	23	V	0.1	0.8	2.05	324
180970078	2011	7	6	24	V	0.09	1.4	2.1	4
180970078	2011	7	7	1	V	0.04	1.1	2.79	36
180970078	2011	7	7	2	V	0.03	1	2.96	32
180970078	2011	7	7	3	V	0.1	0.8	1.62	12
180970078	2011	7	7	4	V	0.1	0.9	1.72	15
180970078	2011	7	7	5	V	0.4	0.7	2.06	28
180970078	2011	7	7	6	V	0.4	0.9	2.47	26
180970078	2011	7	7	7	V	0.5	0.9	2.23	40
180970078	2011	7	7	8	V	0.3	1.2	2.5	89
180970078	2011	7	7	9	V	0.2	1.3	2.5	111
180970078	2011	7	7	10	M	-999	1.1	1.76	999
180970078	2011	7	7	11	V	1.1	1.3	1.48	195
180970078	2011	7	7	12	V	1.1	1.5	1.4	32
180970078	2011	7	7	13	V	0.2	3.2	2.33	164
180970078	2011	7	7	14	V	2.4	1.9	2.18	195
180970078	2011	7	7	15	V	0.09	1.4	2.86	168
180970078	2011	7	7	16	V	0.06	1.1	3.73	171
180970078	2011	7	7	17	V	0.03	1.1	4.71	54
180970078	2011	7	7	18	V	0.03	0.7	2.98	58
180970078	2011	7	7	19	V	0.06	0.8	2.64	52
180970078	2011	7	7	20	V	0.06	0.8	2.64	10
180970078	2011	7	7	21	V	0.06	0.7	2.55	6
180970078	2011	7	7	22	V	0.1	0.7	1.91	6
180970078	2011	7	7	23	V	0.2	0.6	1.43	22
180970078	2011	7	7	24	V	0.2	1	1.47	98
180970078	2011	7	8	1	V	0.04	0.7	3.85	321
180970078	2011	7	8	2	V	0.04	0.6	4.68	355
180970078	2011	7	8	3	V	0.04	1	4.78	34
180970078	2011	7	8	4	V	0.3	0.6	2.64	234
180970078	2011	7	8	5	V	0.2	0.7	2.21	343
180970078	2011	7	8	6	V	0.6	0.6	1.77	73
180970078	2011	7	8	7	V	0.9	0.9	1.94	96
180970078	2011	7	8	8	V	1.2	1.1	1.77	68
180970078	2011	7	8	9	V	2.8	5.1	1.26	123
180970078	2011	7	8	10	V	0.5	13	2.42	29
180970078	2011	7	8	11	V	0.08	4.5	4.44	18
180970078	2011	7	8	12	V	0.05	1.5	5.21	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	8	13	V	0.04	1.1	5.39	18
180970078	2011	7	8	14	V	0.05	1	5.07	30
180970078	2011	7	8	15	V	0.03	1.2	5.29	22
180970078	2011	7	8	16	V	0.03	1.1	5.36	23
180970078	2011	7	8	17	V	0.03	1	5.09	16
180970078	2011	7	8	18	V	0.02	1	5.02	17
180970078	2011	7	8	19	V	0.04	1.3	5.26	2
180970078	2011	7	8	20	V	0.04	1.3	4.08	9
180970078	2011	7	8	21	V	0.04	1.4	3.98	342
180970078	2011	7	8	22	V	0.04	1.2	4.05	352
180970078	2011	7	8	23	V	0.04	1.2	3.93	359
180970078	2011	7	8	24	V	0.03	1.1	3.91	16
180970078	2011	7	9	1	V	0.03	1	3.58	27
180970078	2011	7	9	2	V	0.03	1	3.76	31
180970078	2011	7	9	3	V	0.03	1.1	2.83	39
180970078	2011	7	9	4	V	0.04	0.9	2.54	36
180970078	2011	7	9	5	V	0.2	1	2.54	39
180970078	2011	7	9	6	V	0.5	0.9	2.18	44
180970078	2011	7	9	7	V	0.4	1	2.47	77
180970078	2011	7	9	8	V	0.2	1.4	2.59	108
180970078	2011	7	9	9	V	0.2	1.4	3.07	118
180970078	2011	7	9	10	V	0.1	1.3	3.83	122
180970078	2011	7	9	11	V	0.08	1.2	4.2	107
180970078	2011	7	9	12	V	0.1	1	3.2	141
180970078	2011	7	9	13	V	0.1	0.9	3.18	141
180970078	2011	7	9	14	V	0.1	1.2	2.86	161
180970078	2011	7	9	15	V	0.1	0.8	3.01	170
180970078	2011	7	9	16	V	0.8	0.8	2.91	190
180970078	2011	7	9	17	V	0.07	0.8	2.96	142
180970078	2011	7	9	18	V	0.04	0.9	2.35	157
180970078	2011	7	9	19	V	0.03	0.9	3.03	172
180970078	2011	7	9	20	V	0.03	1.3	2.79	177
180970078	2011	7	9	21	V	0.05	1.5	2.27	167
180970078	2011	7	9	22	V	0.03	1.5	2.95	133
180970078	2011	7	9	23	V	0.03	1.8	3.61	154
180970078	2011	7	9	24	V	0.03	1.6	3.42	161
180970078	2011	7	10	1	V	0.03	1.8	3.18	152
180970078	2011	7	10	2	V	0.03	1.6	3.39	169
180970078	2011	7	10	3	V	0.06	1.1	2.04	184
180970078	2011	7	10	4	V	0.05	1.1	2.15	164
180970078	2011	7	10	5	V	0.5	1.1	1.67	180
180970078	2011	7	10	6	V	0.7	1.1	1.86	143
180970078	2011	7	10	7	V	1.0	1.1	1.52	141
180970078	2011	7	10	8	V	0.9	1.6	1.59	163
180970078	2011	7	10	9	V	0.2	1.5	3	167
180970078	2011	7	10	10	V	0.3	1.2	3.05	176

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	10	11	V	0.2	1.5	2.98	155
180970078	2011	7	10	12	V	0.2	1.8	3.05	152
180970078	2011	7	10	13	V	0.2	1.3	3.18	159
180970078	2011	7	10	14	V	0.1	1	3.46	155
180970078	2011	7	10	15	V	0.4	1.1	3.49	184
180970078	2011	7	10	16	V	0.1	1	3.2	175
180970078	2011	7	10	17	V	0.9	0.9	3.2	193
180970078	2011	7	10	18	V	0.07	4.2	4.24	174
180970078	2011	7	10	19	V	0.04	1.1	4.48	174
180970078	2011	7	10	20	V	0.04	0.8	3.9	174
180970078	2011	7	10	21	V	0.03	1	3.41	162
180970078	2011	7	10	22	V	0.04	1.1	3.91	159
180970078	2011	7	10	23	V	0.04	-999	3.75	159
180970078	2011	7	10	24	V	0.04	0.9	4.02	168
180970078	2011	7	11	1	V	0.02	0.9	3.13	150
180970078	2011	7	11	2	V	0.03	0.8	2.74	149
180970078	2011	7	11	3	V	0.02	0.8	2.95	149
180970078	2011	7	11	4	V	0.04	0.9	3.08	155
180970078	2011	7	11	5	V	0.2	1.2	2.81	145
180970078	2011	7	11	6	V	0.2	1.1	3.54	156
180970078	2011	7	11	7	V	0.2	1.2	3.73	172
180970078	2011	7	11	8	V	1.0	2.2	4.27	194
180970078	2011	7	11	9	V	6.4	34.2	4.97	214
180970078	2011	7	11	10	V	2.6	10.9	5.75	224
180970078	2011	7	11	11	V	2.6	5	4.75	223
180970078	2011	7	11	12	V	0.04	2.3	5.44	268
180970078	2011	7	11	13	V	0.07	1	4.03	275
180970078	2011	7	11	14	V	0.1	0.9	3.13	270
180970078	2011	7	11	15	V	2.0	0.8	3.83	211
180970078	2011	7	11	16	V	1.4	1.7	6.19	202
180970078	2011	7	11	17	V	3.8	10	7.15	211
180970078	2011	7	11	18	V	2.6	3.4	7.38	224
180970078	2011	7	11	19	V	0.2	0.7	7.18	245
180970078	2011	7	11	20	V	0.1	0.8	5.96	257
180970078	2011	7	11	21	V	0.04	1	4.2	262
180970078	2011	7	11	22	V	0.06	1.2	2.13	348
180970078	2011	7	11	23	V	0.08	0.5	2.03	346
180970078	2011	7	11	24	V	0.1	1	1.77	310
180970078	2011	7	12	1	V	0.2	1.1	1.5	275
180970078	2011	7	12	2	V	0.2	0.8	1.42	298
180970078	2011	7	12	3	V	0.06	0.8	2.49	320
180970078	2011	7	12	4	V	0.05	1.2	2.69	318
180970078	2011	7	12	5	V	0.4	0.7	1.96	322
180970078	2011	7	12	6	V	1.4	0.9	1.65	283
180970078	2011	7	12	7	V	0.5	0.9	2.28	293
180970078	2011	7	12	8	V	0.1	1.1	3.73	334

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	12	9	V	0.4	0.8	2.54	356
180970078	2011	7	12	10	V	1.2	0.8	1.71	321
180970078	2011	7	12	11	V	0.5	0.6	2.33	321
180970078	2011	7	12	12	V	0.6	1	2.27	313
180970078	2011	7	12	13	V	0.2	1	3.34	316
180970078	2011	7	12	14	V	0.07	0.6	4.46	320
180970078	2011	7	12	15	V	0.06	1.2	4.36	329
180970078	2011	7	12	16	V	0.03	1	4.94	330
180970078	2011	7	12	17	V	0.03	0.7	4.36	349
180970078	2011	7	12	18	V	0.02	1.2	4.44	351
180970078	2011	7	12	19	V	0.05	0.8	2.42	358
180970078	2011	7	12	20	V	0.08	0.9	1.98	312
180970078	2011	7	12	21	V	0.05	0.9	3.63	339
180970078	2011	7	12	22	V	0.05	0.8	2.86	273
180970078	2011	7	12	23	V	0.05	1	2.86	262
180970078	2011	7	12	24	V	0.05	1.5	3.36	325
180970078	2011	7	13	1	C	-999	1.8	0	0
180970078	2011	7	13	2	V	0.1	0.7	1.76	349
180970078	2011	7	13	3	V	0.04	0.9	3.86	28
180970078	2011	7	13	4	V	0.05	1	3.86	36
180970078	2011	7	13	5	V	0.06	0.9	4.36	19
180970078	2011	7	13	6	V	0.09	0.9	4.36	358
180970078	2011	7	13	7	V	0.1	1.1	4.36	30
180970078	2011	7	13	8	C	-999	1.1	0	0
180970078	2011	7	13	9	V	0.2	1.4	3.86	14
180970078	2011	7	13	10	C	-999	1.1	0	0
180970078	2011	7	13	11	C	-999	-999	0	0
180970078	2011	7	13	12	V	0.3	1	2.86	43
180970078	2011	7	13	13	V	0.2	1.1	3.36	32
180970078	2011	7	13	14	V	0.05	0.9	4.86	22
180970078	2011	7	13	15	M	-999	1.1	2.86	999
180970078	2011	7	13	16	V	0.03	0.8	5.36	27
180970078	2011	7	13	17	V	0.02	0.9	5.96	44
180970078	2011	7	13	18	V	0.02	0.7	5.36	27
180970078	2011	7	13	19	V	0.04	0.7	5.96	32
180970078	2011	7	13	20	V	0.04	0.5	5.36	10
180970078	2011	7	13	21	V	0.04	0.7	4.36	18
180970078	2011	7	13	22	V	0.04	0.7	2.86	9
180970078	2011	7	13	23	V	0.04	0.9	3.36	7
180970078	2011	7	13	24	V	0.04	0.5	3.86	28
180970078	2011	7	14	1	V	0.03	1.1	4.86	68
180970078	2011	7	14	2	V	0.03	1.1	5.36	89
180970078	2011	7	14	3	V	0.03	0.9	4.61	88
180970078	2011	7	14	4	V	0.03	1.3	4.73	87
180970078	2011	7	14	5	V	0.05	1.2	4.94	87
180970078	2011	7	14	6	V	0.1	1.1	4.26	79

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	14	7	V	0.09	1.4	4.7	79
180970078	2011	7	14	8	V	0.05	3.4	5.56	88
180970078	2011	7	14	9	V	0.06	3	5.39	86
180970078	2011	7	14	10	V	0.07	2.5	4.54	87
180970078	2011	7	14	11	V	0.07	2.6	4.22	110
180970078	2011	7	14	12	V	0.1	2.3	3.32	106
180970078	2011	7	14	13	V	0.2	2.3	2.83	78
180970078	2011	7	14	14	V	0.1	2.1	3.16	103
180970078	2011	7	14	15	V	0.1	1.7	3.22	80
180970078	2011	7	14	16	V	0.07	1.5	3.61	100
180970078	2011	7	14	17	V	0.06	1.4	3.68	96
180970078	2011	7	14	18	V	0.02	1.2	3.68	104
180970078	2011	7	14	19	V	0.04	1.6	4.12	104
180970078	2011	7	14	20	V	0.04	2.4	4.09	104
180970078	2011	7	14	21	V	0.04	2.3	3.61	109
180970078	2011	7	14	22	V	0.04	1.6	3.27	97
180970078	2011	7	14	23	V	0.04	1.6	3.22	92
180970078	2011	7	14	24	V	0.04	1.3	2.93	91
180970078	2011	7	15	1	V	0.05	1.6	2.67	91
180970078	2011	7	15	2	V	0.04	1.2	2.76	90
180970078	2011	7	15	3	V	0.03	1.3	2.81	86
180970078	2011	7	15	4	V	0.05	1.4	2.2	72
180970078	2011	7	15	5	V	0.2	1.5	2.47	76
180970078	2011	7	15	6	V	0.5	1.5	2.25	51
180970078	2011	7	15	7	V	0.5	1.5	2.11	61
180970078	2011	7	15	8	V	0.6	2.1	2.06	54
180970078	2011	7	15	9	V	0.5	2.6	2.32	46
180970078	2011	7	15	10	V	0.1	3.5	3.95	47
180970078	2011	7	15	11	V	0.07	2.9	4.88	46
180970078	2011	7	15	12	V	0.09	3.3	4.26	57
180970078	2011	7	15	13	V	0.1	2.3	3.58	38
180970078	2011	7	15	14	V	0.2	2.2	3.3	59
180970078	2011	7	15	15	V	0.1	2.2	3.17	73
180970078	2011	7	15	16	V	0.1	1.8	2.83	40
180970078	2011	7	15	17	V	0.05	1.8	3.57	34
180970078	2011	7	15	18	V	0.03	2	3.51	33
180970078	2011	7	15	19	V	0.05	2	4.26	39
180970078	2011	7	15	20	V	0.05	2.1	3.58	72
180970078	2011	7	15	21	V	0.04	1.7	2.98	91
180970078	2011	7	15	22	V	0.08	1.7	2.03	78
180970078	2011	7	15	23	V	0.1	1.8	1.62	355
180970078	2011	7	15	24	V	0.4	1.4	1.06	60
180970078	2011	7	16	1	V	0.2	1.4	1.4	17
180970078	2011	7	16	2	V	0.2	1.4	1.47	352
180970078	2011	7	16	3	V	0.2	1.2	1.43	6
180970078	2011	7	16	4	V	0.1	1.1	1.55	9

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	16	5	V	0.4	0.9	1.86	29
180970078	2011	7	16	6	V	0.5	1	2.28	41
180970078	2011	7	16	7	V	0.4	1.6	2.32	90
180970078	2011	7	16	8	V	0.2	1.5	2.79	122
180970078	2011	7	16	9	V	0.2	1.7	3.01	121
180970078	2011	7	16	10	V	0.2	1.7	3.03	107
180970078	2011	7	16	11	V	0.1	1.7	3.52	138
180970078	2011	7	16	12	V	0.2	3.6	2.95	160
180970078	2011	7	16	13	V	4.7	8.4	2.11	200
180970078	2011	7	16	14	V	3.2	7.3	2.3	194
180970078	2011	7	16	15	V	0.2	3.2	2.83	170
180970078	2011	7	16	16	V	0.2	2	2.61	171
180970078	2011	7	16	17	V	0.3	2.3	3.3	186
180970078	2011	7	16	18	V	0.09	5.8	3.46	193
180970078	2011	7	16	19	V	35.1	6.1	3.25	215
180970078	2011	7	16	20	V	23.8	5.3	2.88	218
180970078	2011	7	16	21	V	0.6	2.4	2.13	251
180970078	2011	7	16	22	V	1.4	3.4	0.75	265
180970078	2011	7	16	23	V	0.2	3	1.62	286
180970078	2011	7	16	24	V	7.0	2.3	0.7	232
180970078	2011	7	17	1	V	1.6	1.8	0.7	246
180970078	2011	7	17	2	C	-999	1.8	0	0
180970078	2011	7	17	3	V	0.9	1.8	0.91	192
180970078	2011	7	17	4	V	0.06	1.7	2.03	196
180970078	2011	7	17	5	V	13.6	1.7	1.47	204
180970078	2011	7	17	6	V	1.0	1.4	1.48	134
180970078	2011	7	17	7	V	1.0	1.7	1.45	152
180970078	2011	7	17	8	V	6.4	1.8	1.42	211
180970078	2011	7	17	9	V	2.4	6.8	1.77	242
180970078	2011	7	17	10	V	3.0	4.5	1.64	240
180970078	2011	7	17	11	V	0.3	7.1	2.73	271
180970078	2011	7	17	12	V	0.2	6.6	3.35	268
180970078	2011	7	17	13	V	0.1	5.8	3.71	282
180970078	2011	7	17	14	V	0.1	3.2	3.61	269
180970078	2011	7	17	15	V	0.08	2.4	3.47	284
180970078	2011	7	17	16	V	0.05	1.9	3.75	281
180970078	2011	7	17	17	V	0.03	1.6	4.42	297
180970078	2011	7	17	18	V	0.01	1.3	4.56	293
180970078	2011	7	17	19	V	0.03	1	3.93	298
180970078	2011	7	17	20	V	0.03	1.1	3.29	291
180970078	2011	7	17	21	V	0.04	0.9	2.47	282
180970078	2011	7	17	22	V	22.7	1.2	3.51	214
180970078	2011	7	17	23	V	19.3	-999	3.54	217
180970078	2011	7	17	24	V	18.5	36.7	2.98	219
180970078	2011	7	18	1	V	0.06	11.5	3.1	240
180970078	2011	7	18	2	V	0.4	3.2	3.18	246

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	18	3	V	0.03	1.3	2.84	258
180970078	2011	7	18	4	V	0.4	1.1	2.59	232
180970078	2011	7	18	5	V	0.5	1	2.62	242
180970078	2011	7	18	6	V	0.5	1.3	3.22	242
180970078	2011	7	18	7	V	0.9	1.1	3.64	238
180970078	2011	7	18	8	V	0.1	1	3.8	272
180970078	2011	7	18	9	V	0.07	0.9	4.85	273
180970078	2011	7	18	10	V	0.05	0.6	5.62	265
180970078	2011	7	18	11	V	0.05	0.9	5.96	256
180970078	2011	7	18	12	V	0.06	0.7	5.44	249
180970078	2011	7	18	13	V	0.04	1	5.34	264
180970078	2011	7	18	14	V	0.02	0.8	6.62	264
180970078	2011	7	18	15	V	0.02	0.7	6.33	263
180970078	2011	7	18	16	V	0.05	1.1	6.18	247
180970078	2011	7	18	17	V	0.03	0.9	6.12	246
180970078	2011	7	18	18	V	0.02	0.8	5.9	239
180970078	2011	7	18	19	V	0.1	0.7	5.94	257
180970078	2011	7	18	20	V	0.05	1.6	5.48	267
180970078	2011	7	18	21	V	0.3	4	4.31	250
180970078	2011	7	18	22	V	0.2	1.2	4	243
180970078	2011	7	18	23	V	0.2	0.7	4.19	236
180970078	2011	7	18	24	V	0.5	0.8	4.82	234
180970078	2011	7	19	1	V	0.2	0.7	5.24	235
180970078	2011	7	19	2	V	0.03	1.7	3.73	264
180970078	2011	7	19	3	V	0.3	1.5	4.48	249
180970078	2011	7	19	4	V	0.3	1.6	4.85	249
180970078	2011	7	19	5	V	0.08	1.6	5.67	247
180970078	2011	7	19	6	V	0.06	1.4	5.56	255
180970078	2011	7	19	7	V	0.08	0.7	5.04	259
180970078	2011	7	19	8	V	0.09	0.9	4.41	265
180970078	2011	7	19	9	V	0.08	1.1	4.44	289
180970078	2011	7	19	10	V	0.1	0.6	3.49	298
180970078	2011	7	19	11	V	0.3	0.6	2.67	289
180970078	2011	7	19	12	V	0.2	0.9	3.32	275
180970078	2011	7	19	13	V	0.1	0.8	3.68	262
180970078	2011	7	19	14	V	0.06	1	4.99	269
180970078	2011	7	19	15	V	0.03	1	5.38	279
180970078	2011	7	19	16	V	0.04	1.1	4.87	296
180970078	2011	7	19	17	V	0.03	0.7	5.17	301
180970078	2011	7	19	18	V	0.02	0.7	5.14	303
180970078	2011	7	19	19	V	0.04	0.6	5.26	319
180970078	2011	7	19	20	V	0.04	0.4	3.78	356
180970078	2011	7	19	21	V	0.05	0.4	2.64	355
180970078	2011	7	19	22	V	0.1	0.7	1.72	3
180970078	2011	7	19	23	V	0.4	0.8	1.16	350
180970078	2011	7	19	24	V	0.2	-999	1.84	255

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	20	1	V	0.07	-999	2.21	263
180970078	2011	7	20	2	V	0.08	-999	2.03	281
180970078	2011	7	20	3	V	0.2	-999	1.42	259
180970078	2011	7	20	4	V	0.2	-999	2.71	244
180970078	2011	7	20	5	V	8.7	-999	2.49	227
180970078	2011	7	20	6	V	2.5	-999	1.5	245
180970078	2011	7	20	7	V	4.1	-999	0.57	219
180970078	2011	7	20	8	V	3.2	-999	0.65	178
180970078	2011	7	20	9	V	3.2	-999	2.22	236
180970078	2011	7	20	10	V	5.5	-999	2.44	225
180970078	2011	7	20	11	V	2.7	-999	1.99	217
180970078	2011	7	20	12	V	3.9	-999	2.64	225
180970078	2011	7	20	13	V	2.4	-999	3.8	229
180970078	2011	7	20	14	V	0.06	-999	5.27	248
180970078	2011	7	20	15	V	0.02	-999	6.62	262
180970078	2011	7	20	16	V	0.02	-999	7.33	263
180970078	2011	7	20	17	V	0.03	-999	7.31	246
180970078	2011	7	20	18	V	0.02	-999	7.42	254
180970078	2011	7	20	19	V	0.04	-999	7.11	276
180970078	2011	7	20	20	V	0.05	-999	4.85	263
180970078	2011	7	20	21	V	0.2	-999	3.35	254
180970078	2011	7	20	22	V	0.4	-999	3.15	251
180970078	2011	7	20	23	V	0.4	-999	3.59	248
180970078	2011	7	20	24	V	0.09	-999	3.34	240
180970078	2011	7	21	1	V	0.06	-999	2.91	237
180970078	2011	7	21	2	V	0.1	-999	2.96	235
180970078	2011	7	21	3	V	24.3	-999	3.15	216
180970078	2011	7	21	4	V	0.1	-999	3.05	242
180970078	2011	7	21	5	V	2.2	-999	2.84	232
180970078	2011	7	21	6	V	10.3	-999	2.64	228
180970078	2011	7	21	7	V	1.1	-999	3.08	240
180970078	2011	7	21	8	V	0.4	-999	3.76	244
180970078	2011	7	21	9	V	0.2	-999	3.97	252
180970078	2011	7	21	10	V	0.1	-999	4.09	262
180970078	2011	7	21	11	V	0.07	-999	4.65	267
180970078	2011	7	21	12	V	0.06	-999	4.88	272
180970078	2011	7	21	13	V	0.07	-999	4.72	263
180970078	2011	7	21	14	V	0.07	-999	4.36	277
180970078	2011	7	21	15	V	0.06	-999	4.63	262
180970078	2011	7	21	16	V	0.04	-999	4.9	270
180970078	2011	7	21	17	V	0.03	-999	5.1	264
180970078	2011	7	21	18	V	0.02	-999	4.63	260
180970078	2011	7	21	19	V	0.1	-999	4.95	237
180970078	2011	7	21	20	V	1.2	-999	4.03	230
180970078	2011	7	21	21	V	37.9	-999	3.46	214
180970078	2011	7	21	22	V	39.6	-999	3.4	213

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	21	23	V	29.0	-999	3.92	216
180970078	2011	7	21	24	V	3.1	-999	3.74	227
180970078	2011	7	22	1	V	0.1	-999	3.81	236
180970078	2011	7	22	2	V	0.08	-999	3.23	240
180970078	2011	7	22	3	V	0.3	-999	3.25	245
180970078	2011	7	22	4	V	0.1	-999	3.29	241
180970078	2011	7	22	5	V	0.3	-999	2.91	245
180970078	2011	7	22	6	V	26.7	-999	3.08	216
180970078	2011	7	22	7	V	20.3	-999	2.84	220
180970078	2011	7	22	8	V	2.0	-999	3.61	234
180970078	2011	7	22	9	V	1.6	-999	4.12	232
180970078	2011	7	22	10	V	3.2	-999	4.07	220
180970078	2011	7	22	11	V	3.3	-999	4.63	218
180970078	2011	7	22	12	V	3.5	-999	5.43	215
180970078	2011	7	22	13	V	3.1	-999	5.62	218
180970078	2011	7	22	14	V	3.1	-999	5.89	216
180970078	2011	7	22	15	V	0.8	-999	4.92	235
180970078	2011	7	22	16	V	1.5	-999	5.14	229
180970078	2011	7	22	17	V	4.7	-999	5.46	214
180970078	2011	7	22	18	V	7.1	-999	5.21	210
180970078	2011	7	22	19	V	18.1	-999	5.43	208
180970078	2011	7	22	20	V	15.0	-999	5.09	207
180970078	2011	7	22	21	V	25.1	-999	3.49	209
180970078	2011	7	22	22	V	0.04	-999	3.22	184
180970078	2011	7	22	23	V	0.04	-999	3.46	194
180970078	2011	7	22	24	V	3.3	-999	3.75	204
180970078	2011	7	23	1	V	22.0	15.9	3.46	217
180970078	2011	7	23	2	V	7.4	7.8	3.4	224
180970078	2011	7	23	3	V	9.5	0.8	3.35	223
180970078	2011	7	23	4	V	4.4	0	2.86	226
180970078	2011	7	23	5	V	6.2	0	2.42	229
180970078	2011	7	23	6	V	1.0	0	2.76	190
180970078	2011	7	23	7	V	4.1	1.4	3.17	198
180970078	2011	7	23	8	V	1.2	9.1	2.86	237
180970078	2011	7	23	9	V	3.5	1.9	3.86	230
180970078	2011	7	23	10	V	6.5	1.3	4.9	215
180970078	2011	7	23	11	V	6.0	0.7	5.39	214
180970078	2011	7	23	12	V	3.4	0	5.55	222
180970078	2011	7	23	13	V	4.4	3.3	5.36	211
180970078	2011	7	23	14	V	4.3	0.5	5.99	220
180970078	2011	7	23	15	V	1.4	0	6.91	228
180970078	2011	7	23	16	V	4.2	0	6.4	220
180970078	2011	7	23	17	V	0.1	0	6.62	236
180970078	2011	7	23	18	V	0.2	0	6.75	233
180970078	2011	7	23	19	V	13.1	0	6.52	221
180970078	2011	7	23	20	V	28.0	0	4.89	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	23	21	V	8.9	0.1	4.76	205
180970078	2011	7	23	22	V	30.4	12.2	4.02	216
180970078	2011	7	23	23	V	6.1	19.1	3.63	225
180970078	2011	7	23	24	V	0.08	3.1	3.46	239
180970078	2011	7	24	1	V	8.4	0	3.24	224
180970078	2011	7	24	2	V	7.5	0	3.07	224
180970078	2011	7	24	3	V	0.2	0	2.76	234
180970078	2011	7	24	4	V	0.5	0	2.23	246
180970078	2011	7	24	5	V	0.3	0	2.32	184
180970078	2011	7	24	6	V	26.9	1.2	2.16	217
180970078	2011	7	24	7	V	0.3	2	3.1	141
180970078	2011	7	24	8	V	0.1	2.9	4.09	189
180970078	2011	7	24	9	V	12.5	20.5	3.73	217
180970078	2011	7	24	10	V	4.0	4.5	4.71	225
180970078	2011	7	24	11	V	0.1	0.1	4.94	240
180970078	2011	7	24	12	V	0.05	0	4.7	264
180970078	2011	7	24	13	V	0.01	0	8.85	307
180970078	2011	7	24	14	V	0.04	0	4.77	349
180970078	2011	7	24	15	V	0.1	0	2.71	79
180970078	2011	7	24	16	V	2.2	0	2.95	197
180970078	2011	7	24	17	V	6.9	0	3.66	220
180970078	2011	7	24	18	V	0.07	12.3	5.34	282
180970078	2011	7	24	19	V	0.09	0	1.82	302
180970078	2011	7	24	20	V	0.06	0	2.45	317
180970078	2011	7	24	21	V	0.05	0	2.76	336
180970078	2011	7	24	22	V	0.09	0	1.67	321
180970078	2011	7	24	23	V	0.04	-999	2.44	294
180970078	2011	7	24	24	V	0.04	0	2.2	291
180970078	2011	7	25	1	V	0.03	0	2.69	276
180970078	2011	7	25	2	V	0.03	0	2.74	302
180970078	2011	7	25	3	V	0.03	0	3.47	312
180970078	2011	7	25	4	V	0.03	0	2.76	332
180970078	2011	7	25	5	V	0.06	0	2.89	343
180970078	2011	7	25	6	V	0.3	0	2.22	319
180970078	2011	7	25	7	V	0.4	0	2.62	303
180970078	2011	7	25	8	V	0.09	0	3.54	322
180970078	2011	7	25	9	V	0.08	0	3.93	320
180970078	2011	7	25	10	V	0.08	0	3.93	338
180970078	2011	7	25	11	V	0.06	0	4.02	329
180970078	2011	7	25	12	V	0.03	0	5.19	339
180970078	2011	7	25	13	V	0.04	0	4.95	345
180970078	2011	7	25	14	V	0.02	0	5.07	352
180970078	2011	7	25	15	V	0.03	0	4.7	339
180970078	2011	7	25	16	V	0.04	0	4.29	323
180970078	2011	7	25	17	V	0.03	0	4.26	335
180970078	2011	7	25	18	V	0.01	0	4.73	328

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	25	19	V	0.03	0	4.66	334
180970078	2011	7	25	20	V	0.03	0	4.85	351
180970078	2011	7	25	21	V	0.03	0	3.85	335
180970078	2011	7	25	22	V	0.03	0	2.88	353
180970078	2011	7	25	23	V	0.05	0	2.25	337
180970078	2011	7	25	24	V	0.07	0	1.99	302
180970078	2011	7	26	1	V	0.08	0	1.79	274
180970078	2011	7	26	2	V	0.1	0	1.5	281
180970078	2011	7	26	3	V	0.2	0	1.33	278
180970078	2011	7	26	4	V	0.1	0	1.53	262
180970078	2011	7	26	5	V	0.5	0	2.03	245
180970078	2011	7	26	6	V	0.8	0	1.7	258
180970078	2011	7	26	7	V	0.7	0	1.88	255
180970078	2011	7	26	8	V	0.8	0	2.16	249
180970078	2011	7	26	9	V	0.2	0	3	257
180970078	2011	7	26	10	V	0.1	0	3.42	296
180970078	2011	7	26	11	V	0.09	0	3.17	311
180970078	2011	7	26	12	V	0.2	0	2.61	300
180970078	2011	7	26	13	V	0.08	0	3.49	303
180970078	2011	7	26	14	V	0.06	0	3.97	299
180970078	2011	7	26	15	V	0.1	0	3.12	328
180970078	2011	7	26	16	V	0.04	0	3.78	316
180970078	2011	7	26	17	V	0.03	0	3.83	329
180970078	2011	7	26	18	V	0.01	0	4.41	316
180970078	2011	7	26	19	V	0.03	0	4.09	300
180970078	2011	7	26	20	V	0.04	0	2.62	313
180970078	2011	7	26	21	V	0.06	0	2.18	325
180970078	2011	7	26	22	V	0.1	0	1.69	359
180970078	2011	7	26	23	V	0.5	0	1.01	274
180970078	2011	7	26	24	V	0.8	0	0.8	37
180970078	2011	7	27	1	V	8.8	0	1.42	206
180970078	2011	7	27	2	V	0.1	0	1.4	75
180970078	2011	7	27	3	V	0.06	0	1.91	64
180970078	2011	7	27	4	V	0.04	0	2.39	56
180970078	2011	7	27	5	V	0.1	0	2.71	81
180970078	2011	7	27	6	V	0.1	0	3.29	92
180970078	2011	7	27	7	V	0.2	8.4	3.46	114
180970078	2011	7	27	8	V	0.09	1.3	3.92	133
180970078	2011	7	27	9	V	0.1	0	3.42	150
180970078	2011	7	27	10	V	0.09	0	4.02	170
180970078	2011	7	27	11	V	0.06	0	4.39	178
180970078	2011	7	27	12	V	0.8	0.5	4.36	193
180970078	2011	7	27	13	V	0.8	0	5.19	195
180970078	2011	7	27	14	V	0.02	0	6.96	174
180970078	2011	7	27	15	V	0.05	4.7	4.36	180
180970078	2011	7	27	16	V	0.6	1.6	6.06	197

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	27	17	V	1.3	0.6	5.87	201
180970078	2011	7	27	18	V	9.0	7.5	5.96	211
180970078	2011	7	27	19	V	31.1	4.3	5.38	214
180970078	2011	7	27	20	V	18.0	0	4.07	207
180970078	2011	7	27	21	V	0.06	0	4.05	193
180970078	2011	7	27	22	V	0.05	0	4.22	184
180970078	2011	7	27	23	V	0.05	0	3.71	190
180970078	2011	7	27	24	V	0.06	1.6	3.98	193
180970078	2011	7	28	1	V	0.1	2.5	3.2	199
180970078	2011	7	28	2	V	0.06	5.5	3.34	194
180970078	2011	7	28	3	V	0.04	1	2.76	183
180970078	2011	7	28	4	V	0.2	5.6	2.96	199
180970078	2011	7	28	5	V	4.6	9.8	2.57	201
180970078	2011	7	28	6	V	0.3	3.7	2.69	167
180970078	2011	7	28	7	V	3.2	0	2.2	190
180970078	2011	7	28	8	V	27.4	9.1	3.32	216
180970078	2011	7	28	9	V	5.0	4.1	4.87	226
180970078	2011	7	28	10	V	0.2	0	6.28	237
180970078	2011	7	28	11	V	0.1	0	6.6	238
180970078	2011	7	28	12	V	0.2	0	7.09	237
180970078	2011	7	28	13	V	0.1	0	7.62	240
180970078	2011	7	28	14	V	0.1	0	7.31	240
180970078	2011	7	28	15	V	0.5	0	6.35	235
180970078	2011	7	28	16	V	1.9	0	5.97	227
180970078	2011	7	28	17	V	6.3	2.2	5.99	212
180970078	2011	7	28	18	V	8.1	6.6	6.5	210
180970078	2011	7	28	19	V	7.3	9	6.79	204
180970078	2011	7	28	20	V	21.1	33.1	4.73	208
180970078	2011	7	28	21	V	0.04	12	4.26	191
180970078	2011	7	28	22	V	39.2	3.3	3.05	215
180970078	2011	7	28	23	V	28.2	19.1	3.32	209
180970078	2011	7	28	24	V	19.8	23.7	3.97	208
180970078	2011	7	29	1	V	32.4	7	3.35	214
180970078	2011	7	29	2	V	24.4	1.1	3.59	211
180970078	2011	7	29	3	V	25.3	0	3.46	215
180970078	2011	7	29	4	V	7.2	0.3	3.34	224
180970078	2011	7	29	5	V	21.9	9.4	3.78	213
180970078	2011	7	29	6	V	0.3	0.8	4.46	240
180970078	2011	7	29	7	V	1.2	0	4.68	233
180970078	2011	7	29	8	V	1.3	4.2	4.88	233
180970078	2011	7	29	9	V	0.2	4.4	6.67	238
180970078	2011	7	29	10	V	0.05	0.7	8.23	242
180970078	2011	7	29	11	V	0.02	0	7.88	277
180970078	2011	7	29	12	V	0.05	0	4.76	272
180970078	2011	7	29	13	V	0.2	0	3.06	302
180970078	2011	7	29	14	V	1.1	0	1.88	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	29	15	V	4.6	0	2.86	213
180970078	2011	7	29	16	V	0.2	1.4	4.65	243
180970078	2011	7	29	17	V	0.02	0	5.26	311
180970078	2011	7	29	18	V	0.2	0	4.71	254
180970078	2011	7	29	19	V	0.06	0	2.28	290
180970078	2011	7	29	20	V	0.06	0	2.56	192
180970078	2011	7	29	21	V	0.1	0	1.65	27
180970078	2011	7	29	22	V	0.1	0	1.77	13
180970078	2011	7	29	23	V	0.05	0	3.3	47
180970078	2011	7	29	24	V	0.04	0	2.69	329
180970078	2011	7	30	1	V	0.06	0	2.44	9
180970078	2011	7	30	2	V	0.06	0	2.08	65
180970078	2011	7	30	3	V	0.05	0	2.32	114
180970078	2011	7	30	4	V	0.05	0	2.22	29
180970078	2011	7	30	5	V	0.1	0	2.1	172
180970078	2011	7	30	6	V	21.7	0	1.28	208
180970078	2011	7	30	7	V	2.7	0	1.01	312
180970078	2011	7	30	8	V	1.9	0	1.26	338
180970078	2011	7	30	9	V	3.0	0	1.11	21
180970078	2011	7	30	10	V	3.5	0	0.99	88
180970078	2011	7	30	11	V	1.9	0	1.31	19
180970078	2011	7	30	12	V	4.0	0	1.62	195
180970078	2011	7	30	13	V	1.1	0	1.72	262
180970078	2011	7	30	14	V	0.4	0	2.08	276
180970078	2011	7	30	15	V	1.2	0	2.04	246
180970078	2011	7	30	16	V	0.1	0	2.64	277
180970078	2011	7	30	17	V	0.05	0	3.69	296
180970078	2011	7	30	18	V	0.02	0	4.39	111
180970078	2011	7	30	19	V	0.05	0	3.13	150
180970078	2011	7	30	20	V	0.2	0	1.4	111
180970078	2011	7	30	21	V	0.1	0	1.67	80
180970078	2011	7	30	22	V	0.05	0	2.62	52
180970078	2011	7	30	23	V	0.06	0	2.61	52
180970078	2011	7	30	24	V	0.2	-999	1.65	53
180970078	2011	7	31	1	V	0.04	-999	2.72	24
180970078	2011	7	31	2	V	0.03	-999	3.03	36
180970078	2011	7	31	3	V	0.07	-999	2.01	52
180970078	2011	7	31	4	V	0.1	-999	1.59	62
180970078	2011	7	31	5	V	0.07	-999	1.96	65
180970078	2011	7	31	6	V	0.6	-999	1.81	79
180970078	2011	7	31	7	V	1.3	-999	1.55	77
180970078	2011	7	31	8	V	0.7	-999	1.76	98
180970078	2011	7	31	9	V	0.4	-999	2.33	114
180970078	2011	7	31	10	V	0.3	-999	2.88	110
180970078	2011	7	31	11	V	0.5	-999	2.42	128
180970078	2011	7	31	12	V	0.3	-999	2.84	117

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	7	31	13	V	0.3	-999	2.96	139
180970078	2011	7	31	14	V	0.1	-999	3.61	169
180970078	2011	7	31	15	V	0.1	-999	3.44	169
180970078	2011	7	31	16	V	0.5	-999	3.07	183
180970078	2011	7	31	17	V	0.1	-999	2.73	128
180970078	2011	7	31	18	V	0.3	-999	2.81	237
180970078	2011	7	31	19	V	0.04	-999	3.3	285
180970078	2011	7	31	20	V	0.04	-999	4.03	335
180970078	2011	7	31	21	V	0.04	-999	2.93	351
180970078	2011	7	31	22	V	0.06	-999	2.54	6
180970078	2011	7	31	23	V	0.1	-999	1.77	45
180970078	2011	7	31	24	V	0.2	-999	1.5	125
180970078	2011	8	1	1	V	0.2	-999	1.62	136
180970078	2011	8	1	2	V	0.1	-999	1.62	177
180970078	2011	8	1	3	V	0.7	-999	1.18	249
180970078	2011	8	1	4	V	0.2	-999	1.48	125
180970078	2011	8	1	5	V	0.2	-999	1.5	242
180970078	2011	8	1	6	V	3.1	-999	0.87	350
180970078	2011	8	1	7	V	7.7	-999	1.16	223
180970078	2011	8	1	8	V	3.4	-999	1.79	229
180970078	2011	8	1	9	V	0.3	-999	3	259
180970078	2011	8	1	10	V	0.3	-999	3.13	268
180970078	2011	8	1	11	V	0.08	-999	4.09	284
180970078	2011	8	1	12	V	0.1	-999	4	305
180970078	2011	8	1	13	V	0.07	-999	4.88	294
180970078	2011	8	1	14	V	0.08	-999	4.37	299
180970078	2011	8	1	15	V	0.06	-999	4.56	278
180970078	2011	8	1	16	V	0.05	-999	4.48	276
180970078	2011	8	1	17	V	0.03	-999	4.8	295
180970078	2011	8	1	18	V	0.02	-999	3.73	330
180970078	2011	8	1	19	V	0.05	-999	3.05	329
180970078	2011	8	1	20	V	0.06	-999	2.44	3
180970078	2011	8	1	21	V	0.1	-999	1.64	334
180970078	2011	8	1	22	V	0.9	-999	0.89	331
180970078	2011	8	1	23	V	0.5	-999	1.09	331
180970078	2011	8	1	24	V	3.2	-999	1.42	230
180970078	2011	8	2	1	V	0.5	-999	2.33	246
180970078	2011	8	2	2	V	0.05	-999	2.37	266
180970078	2011	8	2	3	V	0.6	-999	0.91	268
180970078	2011	8	2	4	V	0.1	-999	1.79	262
180970078	2011	8	2	5	V	0.7	-999	2.1	233
180970078	2011	8	2	6	V	25.6	-999	1.37	216
180970078	2011	8	2	7	V	19.1	-999	1.5	223
180970078	2011	8	2	8	V	18.4	-999	2.06	215
180970078	2011	8	2	9	V	1.0	-999	2.93	244
180970078	2011	8	2	10	V	0.2	-999	4.2	258

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	2	11	V	0.4	-999	3.2	252
180970078	2011	8	2	12	V	1.9	-999	3.97	233
180970078	2011	8	2	13	V	5.8	-999	4.83	212
180970078	2011	8	2	14	V	5.7	-999	5.38	210
180970078	2011	8	2	15	V	3.8	-999	5.87	206
180970078	2011	8	2	16	V	3.1	-999	6.28	205
180970078	2011	8	2	17	V	6.8	-999	6.82	216
180970078	2011	8	2	18	V	8.5	-999	6.31	216
180970078	2011	8	2	19	V	13.0	-999	6.28	221
180970078	2011	8	2	20	V	24.0	-999	5.46	217
180970078	2011	8	2	21	V	31.7	-999	3.73	210
180970078	2011	8	2	22	V	0.5	-999	5.26	199
180970078	2011	8	2	23	V	0.2	-999	5.87	197
180970078	2011	8	2	24	V	26.9	-999	5.58	211
180970078	2011	8	3	1	V	11.4	-999	4.99	222
180970078	2011	8	3	2	V	0.2	-999	5.65	247
180970078	2011	8	3	3	V	0.05	-999	3.61	22
180970078	2011	8	3	4	V	0.04	-999	4.56	162
180970078	2011	8	3	5	V	11.9	-999	5.33	212
180970078	2011	8	3	6	V	1.0	-999	4.36	233
180970078	2011	8	3	7	V	0.4	-999	3.23	257
180970078	2011	8	3	8	V	1.4	-999	3.18	235
180970078	2011	8	3	9	V	0.3	-999	3.44	254
180970078	2011	8	3	10	V	0.1	-999	4.03	295
180970078	2011	8	3	11	V	0.05	-999	6.01	322
180970078	2011	8	3	12	V	0.03	0	6.36	336
180970078	2011	8	3	13	V	0.02	0.1	7.25	337
180970078	2011	8	3	14	V	0.02	0	7.11	340
180970078	2011	8	3	15	V	0.02	0.1	7.5	321
180970078	2011	8	3	16	V	0.02	0	6.67	334
180970078	2011	8	3	17	V	0.02	0.7	6.89	328
180970078	2011	8	3	18	V	0.05	0	7.08	342
180970078	2011	8	3	19	V	0.04	0	6.94	344
180970078	2011	8	3	20	V	0.04	0	6.72	350
180970078	2011	8	3	21	V	0.04	0.2	5.46	355
180970078	2011	8	3	22	V	0.04	0	4.61	356
180970078	2011	8	3	23	V	0.04	0	4.2	345
180970078	2011	8	3	24	V	0.04	0.1	3.52	334
180970078	2011	8	4	1	V	0.04	0	3.06	334
180970078	2011	8	4	2	V	0.03	0	3.58	353
180970078	2011	8	4	3	V	0.06	0.2	2.2	327
180970078	2011	8	4	4	V	0.05	0	2.23	335
180970078	2011	8	4	5	V	0.05	0	2.06	338
180970078	2011	8	4	6	V	0.3	0	2.71	340
180970078	2011	8	4	7	V	0.3	0	2.98	6
180970078	2011	8	4	8	V	0.2	0.3	3.39	40

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	4	9	V	0.4	0.2	2.45	31
180970078	2011	8	4	10	V	0.6	0.4	2.23	53
180970078	2011	8	4	11	V	0.7	0.2	1.72	62
180970078	2011	8	4	12	V	0.7	0.4	1.76	340
180970078	2011	8	4	13	V	0.3	0.5	3.01	327
180970078	2011	8	4	14	V	0.1	0	3.51	1
180970078	2011	8	4	15	V	0.2	0	2.88	332
180970078	2011	8	4	16	V	0.2	0.1	2.79	343
180970078	2011	8	4	17	V	0.06	0	3.69	21
180970078	2011	8	4	18	V	0.07	0	3.47	8
180970078	2011	8	4	19	V	0.04	0	4.63	43
180970078	2011	8	4	20	V	0.04	0.5	4.8	69
180970078	2011	8	4	21	V	0.04	0	4	67
180970078	2011	8	4	22	V	0.05	0	3.2	38
180970078	2011	8	4	23	V	0.04	0	3.1	16
180970078	2011	8	4	24	V	0.04	0	3.44	38
180970078	2011	8	5	1	V	0.04	0.1	3.68	31
180970078	2011	8	5	2	V	0.04	0	2.67	44
180970078	2011	8	5	3	V	0.04	0.5	2.91	45
180970078	2011	8	5	4	V	0.04	0	2.84	81
180970078	2011	8	5	5	V	0.07	0	2.79	78
180970078	2011	8	5	6	V	0.2	0	3.51	90
180970078	2011	8	5	7	V	0.5	2.1	2.59	105
180970078	2011	8	5	8	V	0.2	5	3.22	116
180970078	2011	8	5	9	V	0.1	4.3	3.34	130
180970078	2011	8	5	10	V	0.1	3.4	3.66	131
180970078	2011	8	5	11	V	0.1	3.1	3.28	121
180970078	2011	8	5	12	V	0.08	3.9	3.98	147
180970078	2011	8	5	13	V	0.08	2.2	4.14	147
180970078	2011	8	5	14	V	0.06	5.7	4.07	162
180970078	2011	8	5	15	V	0.4	10.6	2.93	187
180970078	2011	8	5	16	V	2.1	7.3	3.56	199
180970078	2011	8	5	17	V	0.03	0.2	3.69	179
180970078	2011	8	5	18	V	7.6	0.2	3.56	227
180970078	2011	8	5	19	V	0.3	0.1	3.88	253
180970078	2011	8	5	20	V	26.3	0.2	2.54	218
180970078	2011	8	5	21	V	0.07	0	2.33	177
180970078	2011	8	5	22	V	0.04	0	3.25	169
180970078	2011	8	5	23	V	0.05	0.3	2.67	194
180970078	2011	8	5	24	V	2.1	0	2.3	228
180970078	2011	8	6	1	V	0.08	0	2.2	238
180970078	2011	8	6	2	V	1.5	0	1.21	234
180970078	2011	8	6	3	V	0.07	0.2	2.04	194
180970078	2011	8	6	4	V	1.6	0	1.5	201
180970078	2011	8	6	5	V	4.7	0.2	1.99	202
180970078	2011	8	6	6	V	13.2	0	3.42	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	6	7	V	0.3	1.5	3.66	247
180970078	2011	8	6	8	V	24.6	6.3	3	215
180970078	2011	8	6	9	V	22.8	30.4	3.13	208
180970078	2011	8	6	10	V	13.2	52.3	4.76	211
180970078	2011	8	6	11	V	2.9	30.4	6.41	225
180970078	2011	8	6	12	V	3.3	3.3	6.21	224
180970078	2011	8	6	13	V	5.3	17.1	7.54	210
180970078	2011	8	6	14	V	5.9	15.5	6.69	216
180970078	2011	8	6	15	V	5.8	19.8	6.11	217
180970078	2011	8	6	16	V	3.5	3	5.9	223
180970078	2011	8	6	17	V	6.5	2.6	6.4	218
180970078	2011	8	6	18	V	14.2	2.1	6.4	221
180970078	2011	8	6	19	V	23.9	0.8	6.02	216
180970078	2011	8	6	20	V	27.4	0.5	4.66	216
180970078	2011	8	6	21	V	33.5	5.2	3.44	214
180970078	2011	8	6	22	V	0.05	16.1	3.06	190
180970078	2011	8	6	23	V	22.3	1.8	4.24	209
180970078	2011	8	6	24	V	20.6	8.4	3.74	219
180970078	2011	8	7	1	V	0.3	0.9	3.49	245
180970078	2011	8	7	2	V	0.3	0.2	4.14	250
180970078	2011	8	7	3	V	0.3	0	3	245
180970078	2011	8	7	4	V	0.08	0	2.1	237
180970078	2011	8	7	5	V	12.2	0	3.47	222
180970078	2011	8	7	6	V	13.4	0.4	4.61	215
180970078	2011	8	7	7	V	5.5	6.2	3.39	229
180970078	2011	8	7	8	V	23.3	0.2	2.55	215
180970078	2011	8	7	9	V	1.2	0.6	3.37	238
180970078	2011	8	7	10	V	0.3	0.2	3.61	244
180970078	2011	8	7	11	V	5.0	0.3	4.08	225
180970078	2011	8	7	12	V	2.9	0	5.58	226
180970078	2011	8	7	13	V	1.9	0.1	6.53	227
180970078	2011	8	7	14	V	0.5	0.1	6.92	232
180970078	2011	8	7	15	V	0.02	0	7.57	242
180970078	2011	8	7	16	V	0.02	0.2	5.63	329
180970078	2011	8	7	17	V	0.08	0	2.76	33
180970078	2011	8	7	18	V	0.08	0	1.96	32
180970078	2011	8	7	19	C	-999	0	0	0
180970078	2011	8	7	20	V	0.04	0	3.35	289
180970078	2011	8	7	21	V	0.04	0	4.34	283
180970078	2011	8	7	22	V	0.04	0	3.2	301
180970078	2011	8	7	23	V	0.1	-999	1.76	298
180970078	2011	8	7	24	V	0.06	0.5	2.47	261
180970078	2011	8	8	1	V	0.05	0.4	2.57	257
180970078	2011	8	8	2	V	0.2	0	2.3	253
180970078	2011	8	8	3	V	0.05	0	2.4	258
180970078	2011	8	8	4	V	0.2	0	1.45	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	8	5	V	0.09	0	1.64	331
180970078	2011	8	8	6	V	1.0	0.4	1.53	300
180970078	2011	8	8	7	V	1.2	0.6	1.45	320
180970078	2011	8	8	8	V	1.1	0.5	1.72	348
180970078	2011	8	8	9	V	1.4	1	1.62	19
180970078	2011	8	8	10	V	1.4	1.6	1.59	336
180970078	2011	8	8	11	V	0.6	0.9	2.08	311
180970078	2011	8	8	12	V	0.4	1.4	2.46	288
180970078	2011	8	8	13	V	0.09	0.3	3.46	276
180970078	2011	8	8	14	V	0.08	0	3.54	288
180970078	2011	8	8	15	V	0.3	0	5.79	236
180970078	2011	8	8	16	V	0.02	0	5.24	335
180970078	2011	8	8	17	V	0.07	0.2	2.32	147
180970078	2011	8	8	18	V	0.06	0	2.91	119
180970078	2011	8	8	19	V	0.05	0	3.52	145
180970078	2011	8	8	20	V	0.05	0	4.42	174
180970078	2011	8	8	21	V	18.8	0.1	4.76	208
180970078	2011	8	8	22	V	2.3	2.5	4.2	229
180970078	2011	8	8	23	V	8.7	1	2.83	224
180970078	2011	8	8	24	V	22.4	1.9	4.29	209
180970078	2011	8	9	1	V	0.05	1.5	5.33	262
180970078	2011	8	9	2	V	0.03	0.2	2.96	263
180970078	2011	8	9	3	V	0.1	0	5.02	240
180970078	2011	8	9	4	V	0.08	0	5.28	258
180970078	2011	8	9	5	V	0.04	0	6.24	279
180970078	2011	8	9	6	V	0.02	0	6.4	294
180970078	2011	8	9	7	V	0.06	0	4.65	303
180970078	2011	8	9	8	V	0.05	0	5.21	285
180970078	2011	8	9	9	V	0.08	0.4	4.99	291
180970078	2011	8	9	10	V	0.05	1.2	5.41	297
180970078	2011	8	9	11	V	0.07	2.3	4.75	293
180970078	2011	8	9	12	V	0.05	1.4	5.14	298
180970078	2011	8	9	13	V	0.05	0.4	5.24	297
180970078	2011	8	9	14	V	0.06	0	4.8	286
180970078	2011	8	9	15	V	0.03	0	6.14	272
180970078	2011	8	9	16	V	0.02	0.2	7.23	266
180970078	2011	8	9	17	V	0.01	0.8	8.33	265
180970078	2011	8	9	18	V	0.1	0.3	7.69	241
180970078	2011	8	9	19	V	0.04	0	7	276
180970078	2011	8	9	20	V	0.05	0.8	4.78	267
180970078	2011	8	9	21	V	0.04	0	4.65	296
180970078	2011	8	9	22	V	0.04	0.7	4.34	323
180970078	2011	8	9	23	V	0.04	0.2	2.79	308
180970078	2011	8	9	24	V	0.08	0.5	1.88	260
180970078	2011	8	10	1	V	3.8	0.2	2.49	226
180970078	2011	8	10	2	V	12.7	0.4	2.76	222

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	10	3	V	0.4	0	2.78	232
180970078	2011	8	10	4	V	0.09	0.8	3.27	237
180970078	2011	8	10	5	V	0.3	0.1	2.95	247
180970078	2011	8	10	6	V	0.3	0	2.59	264
180970078	2011	8	10	7	V	0.1	0.7	3.27	267
180970078	2011	8	10	8	V	0.07	0.7	4.53	281
180970078	2011	8	10	9	V	0.07	1	4.83	308
180970078	2011	8	10	10	V	0.07	0.1	4.95	309
180970078	2011	8	10	11	V	0.03	0.1	6.36	304
180970078	2011	8	10	12	V	0.02	0.3	7.21	305
180970078	2011	8	10	13	V	0.02	0	7.16	312
180970078	2011	8	10	14	V	0.02	0.1	6.47	311
180970078	2011	8	10	15	V	0.02	0	6.38	321
180970078	2011	8	10	16	V	0.02	0	6.02	334
180970078	2011	8	10	17	V	0.02	0	5.96	292
180970078	2011	8	10	18	V	0.05	0.5	4.24	328
180970078	2011	8	10	19	V	0.04	0.5	4.34	329
180970078	2011	8	10	20	V	0.04	0.3	4.22	357
180970078	2011	8	10	21	V	0.04	0.3	2.86	359
180970078	2011	8	10	22	V	0.05	0	2.52	16
180970078	2011	8	10	23	V	0.04	0	2.71	38
180970078	2011	8	10	24	V	0.03	0	3.12	38
180970078	2011	8	11	1	V	0.03	0	3.4	34
180970078	2011	8	11	2	V	0.03	0.2	3.03	34
180970078	2011	8	11	3	V	0.05	0	2.32	19
180970078	2011	8	11	4	V	0.04	0.4	2.42	30
180970078	2011	8	11	5	V	0.1	0	1.6	333
180970078	2011	8	11	6	V	1.3	0	1.33	285
180970078	2011	8	11	7	V	2.7	0.1	1.08	295
180970078	2011	8	11	8	V	3.0	1.2	0.62	333
180970078	2011	8	11	9	V	0.4	0.1	2.08	74
180970078	2011	8	11	10	V	0.2	0	3.17	103
180970078	2011	8	11	11	V	0.3	0	2.79	74
180970078	2011	8	11	12	V	0.3	0	2.69	54
180970078	2011	8	11	13	V	0.3	0.2	2.74	37
180970078	2011	8	11	14	V	0.3	0	2.45	61
180970078	2011	8	11	15	V	0.2	0	2.74	114
180970078	2011	8	11	16	V	0.3	0	2.16	87
180970078	2011	8	11	17	V	0.06	0.3	3.23	60
180970078	2011	8	11	18	V	0.04	0	3.83	51
180970078	2011	8	11	19	V	0.04	0.3	4.46	56
180970078	2011	8	11	20	V	0.04	0.2	4.19	89
180970078	2011	8	11	21	V	0.04	0	3.1	104
180970078	2011	8	11	22	V	0.06	0	2.42	95
180970078	2011	8	11	23	V	0.06	0	2.16	101
180970078	2011	8	11	24	V	0.06	-999	2.03	105

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	12	1	V	0.09	-999	1.76	99
180970078	2011	8	12	2	V	0.07	-999	2.01	111
180970078	2011	8	12	3	V	0.2	-999	1.37	170
180970078	2011	8	12	4	V	0.9	-999	0.77	170
180970078	2011	8	12	5	V	0.08	-999	1.79	94
180970078	2011	8	12	6	V	1.1	-999	1.47	109
180970078	2011	8	12	7	V	3.8	-999	0.91	131
180970078	2011	8	12	8	V	0.6	-999	2.16	115
180970078	2011	8	12	9	V	0.2	-999	3.03	141
180970078	2011	8	12	10	V	0.1	-999	3.86	147
180970078	2011	8	12	11	V	0.2	-999	3.32	137
180970078	2011	8	12	12	V	0.4	-999	2.28	92
180970078	2011	8	12	13	V	0.7	-999	2.66	249
180970078	2011	8	12	14	V	0.3	-999	2.57	107
180970078	2011	8	12	15	V	0.1	-999	2.96	156
180970078	2011	8	12	16	V	0.1	-999	3.44	181
180970078	2011	8	12	17	V	0.3	-999	2.84	189
180970078	2011	8	12	18	V	0.06	-999	2.45	169
180970078	2011	8	12	19	V	6.7	-999	3.39	225
180970078	2011	8	12	20	V	0.2	-999	2.83	254
180970078	2011	8	12	21	V	0.3	-999	2.56	200
180970078	2011	8	12	22	V	0.05	-999	2.73	164
180970078	2011	8	12	23	V	0.08	-999	1.81	173
180970078	2011	8	12	24	V	0.04	-999	2.67	143
180970078	2011	8	13	1	V	0.03	-999	2.78	134
180970078	2011	8	13	2	V	0.04	-999	3.22	158
180970078	2011	8	13	3	V	0.4	-999	0.86	281
180970078	2011	8	13	4	V	0.2	-999	1.37	117
180970078	2011	8	13	5	V	0.08	-999	1.69	120
180970078	2011	8	13	6	V	1.7	-999	1.16	117
180970078	2011	8	13	7	V	0.7	-999	1.79	141
180970078	2011	8	13	8	V	1.7	-999	1.33	148
180970078	2011	8	13	9	V	4.9	-999	2.69	198
180970078	2011	8	13	10	V	5.5	-999	3.68	225
180970078	2011	8	13	11	V	0.4	-999	4.19	244
180970078	2011	8	13	12	V	2.9	-999	4.24	226
180970078	2011	8	13	13	V	3.4	-999	4.51	221
180970078	2011	8	13	14	V	0.2	-999	4.29	248
180970078	2011	8	13	15	V	0.5	-999	4.65	239
180970078	2011	8	13	16	V	1.6	-999	4.32	230
180970078	2011	8	13	17	V	5.6	-999	4.14	215
180970078	2011	8	13	18	V	2.3	-999	4.83	229
180970078	2011	8	13	19	V	18.4	-999	5.24	219
180970078	2011	8	13	20	V	0.2	-999	6.58	250
180970078	2011	8	13	21	V	0.04	-999	6.64	348
180970078	2011	8	13	22	V	0.05	-999	3.83	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	13	23	V	0.08	-999	1.62	17
180970078	2011	8	13	24	V	0.04	-999	2.78	155
180970078	2011	8	14	1	V	16.1	-999	2.61	209
180970078	2011	8	14	2	V	21.8	-999	2.78	218
180970078	2011	8	14	3	V	0.7	-999	2.5	249
180970078	2011	8	14	4	V	0.06	-999	2.35	237
180970078	2011	8	14	5	V	0.2	-999	2.95	243
180970078	2011	8	14	6	V	0.2	-999	2.81	271
180970078	2011	8	14	7	V	0.1	-999	4	315
180970078	2011	8	14	8	V	0.08	-999	4.37	318
180970078	2011	8	14	9	V	0.2	-999	2.91	317
180970078	2011	8	14	10	V	0.09	-999	3.73	317
180970078	2011	8	14	11	V	0.04	-999	4.99	319
180970078	2011	8	14	12	V	0.04	-999	4.94	310
180970078	2011	8	14	13	V	0.04	-999	5.31	322
180970078	2011	8	14	14	V	0.03	-999	6.01	340
180970078	2011	8	14	15	V	0.02	-999	6.01	311
180970078	2011	8	14	16	V	0.04	-999	4.68	322
180970078	2011	8	14	17	V	0.02	-999	6.07	336
180970078	2011	8	14	18	V	0.04	-999	7.14	334
180970078	2011	8	14	19	V	0.03	-999	7.2	344
180970078	2011	8	14	20	V	0.04	-999	5.09	340
180970078	2011	8	14	21	V	0.04	-999	4.95	336
180970078	2011	8	14	22	V	0.03	-999	5.48	335
180970078	2011	8	14	23	V	0.03	-999	4.54	323
180970078	2011	8	14	24	V	0.03	-999	5.11	327
180970078	2011	8	15	1	V	0.03	-999	5.55	339
180970078	2011	8	15	2	V	0.03	-999	4.14	345
180970078	2011	8	15	3	V	0.03	-999	3.9	336
180970078	2011	8	15	4	V	0.03	-999	3.37	352
180970078	2011	8	15	5	V	0.04	-999	3.56	347
180970078	2011	8	15	6	V	0.2	-999	3.24	354
180970078	2011	8	15	7	V	0.3	-999	2.44	344
180970078	2011	8	15	8	V	0.09	-999	3.73	351
180970078	2011	8	15	9	V	0.09	-999	3.97	19
180970078	2011	8	15	10	V	0.1	-999	3.46	24
180970078	2011	8	15	11	V	0.09	-999	3.86	5
180970078	2011	8	15	12	V	0.05	-999	4.85	352
180970078	2011	8	15	13	V	0.06	-999	4.6	1
180970078	2011	8	15	14	V	0.04	-999	5.16	338
180970078	2011	8	15	15	V	0.03	-999	5.33	334
180970078	2011	8	15	16	V	0.04	-999	4.74	342
180970078	2011	8	15	17	V	0.02	-999	4.77	358
180970078	2011	8	15	18	V	0.04	-999	4.9	339
180970078	2011	8	15	19	V	0.04	-999	5.1	337
180970078	2011	8	15	20	V	0.04	-999	3.51	341

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	15	21	V	0.05	-999	2.59	350
180970078	2011	8	15	22	V	0.06	-999	2.15	338
180970078	2011	8	15	23	V	0.03	-999	2.91	340
180970078	2011	8	15	24	V	0.03	-999	2.86	360
180970078	2011	8	16	1	V	0.07	-999	1.94	12
180970078	2011	8	16	2	V	0.2	-999	1.25	359
180970078	2011	8	16	3	V	0.2	-999	1.3	341
180970078	2011	8	16	4	V	0.1	-999	1.7	331
180970078	2011	8	16	5	V	0.08	-999	1.79	336
180970078	2011	8	16	6	V	1.4	-999	1.13	349
180970078	2011	8	16	7	V	1.3	-999	1.48	343
180970078	2011	8	16	8	V	0.5	-999	1.74	22
180970078	2011	8	16	9	V	0.3	-999	2.35	42
180970078	2011	8	16	10	V	0.8	-999	1.79	90
180970078	2011	8	16	11	V	2.7	-999	1.82	192
180970078	2011	8	16	12	V	5.4	-999	2.33	210
180970078	2011	8	16	13	V	4.9	-999	2.47	221
180970078	2011	8	16	14	V	5.8	-999	2.54	211
180970078	2011	8	16	15	V	2.9	-999	2.4	232
180970078	2011	8	16	16	V	0.1	-999	3.49	249
180970078	2011	8	16	17	V	0.2	-999	1.96	256
180970078	2011	8	16	18	V	0.06	-999	2.69	189
180970078	2011	8	16	19	V	0.05	-999	3.3	182
180970078	2011	8	16	20	V	0.06	-999	2.35	177
180970078	2011	8	16	21	V	0.05	-999	2.57	159
180970078	2011	8	16	22	V	0.04	-999	3.13	183
180970078	2011	8	16	23	V	0.8	-999	0.99	241
180970078	2011	8	16	24	V	1.3	-999	0.74	247
180970078	2011	8	17	1	V	0.6	-999	1.09	251
180970078	2011	8	17	2	C	-999	-999	0	0
180970078	2011	8	17	3	V	0.4	-999	1.11	113
180970078	2011	8	17	4	V	0.06	-999	2.16	106
180970078	2011	8	17	5	V	0.08	-999	1.79	97
180970078	2011	8	17	6	V	1.3	-999	1.25	100
180970078	2011	8	17	7	V	0.4	-999	2.37	102
180970078	2011	8	17	8	V	1.2	-999	1.57	105
180970078	2011	8	17	9	V	0.9	-999	1.89	117
180970078	2011	8	17	10	V	0.4	-999	2.4	154
180970078	2011	8	17	11	V	0.1	-999	3.59	174
180970078	2011	8	17	12	V	0.3	2.3	3.44	183
180970078	2011	8	17	13	V	0.3	2.2	3.75	185
180970078	2011	8	17	14	V	0.1	1.8	3.93	184
180970078	2011	8	17	15	V	2.9	3.2	3.56	202
180970078	2011	8	17	16	V	0.1	8.4	3.05	170
180970078	2011	8	17	17	V	5.6	11.9	3.46	210
180970078	2011	8	17	18	V	0.06	8.4	3.01	198

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	17	19	V	14.5	11	3.18	207
180970078	2011	8	17	20	V	0.05	7	2.69	188
180970078	2011	8	17	21	V	0.04	4.3	2.74	195
180970078	2011	8	17	22	V	7.2	2.4	2.61	206
180970078	2011	8	17	23	V	0.5	-999	1.43	245
180970078	2011	8	17	24	V	17.4	-999	1.48	222
180970078	2011	8	18	1	V	0.6	1.8	0.94	257
180970078	2011	8	18	2	V	0.05	1.1	2.06	165
180970078	2011	8	18	3	V	0.1	1.5	1.6	174
180970078	2011	8	18	4	V	0.4	1.3	1.04	173
180970078	2011	8	18	5	V	1.1	0.8	0.74	138
180970078	2011	8	18	6	V	1.1	0.5	1.2	141
180970078	2011	8	18	7	V	4.0	1.5	0.91	104
180970078	2011	8	18	8	V	0.3	1.8	2.22	134
180970078	2011	8	18	9	V	0.4	4.2	2.16	128
180970078	2011	8	18	10	V	1.0	4.6	2.55	183
180970078	2011	8	18	11	V	1.6	7.1	2.01	183
180970078	2011	8	18	12	V	1.2	5.4	2.25	182
180970078	2011	8	18	13	V	0.5	4.4	2.79	182
180970078	2011	8	18	14	V	2.2	8.3	3.23	199
180970078	2011	8	18	15	V	2.2	10.4	3.76	228
180970078	2011	8	18	16	V	0.07	3.9	3.23	277
180970078	2011	8	18	17	V	0.04	5.6	3.54	292
180970078	2011	8	18	18	V	0.05	3.6	2.96	309
180970078	2011	8	18	19	V	0.05	3.8	4.02	332
180970078	2011	8	18	20	V	0.05	2.3	3.08	9
180970078	2011	8	18	21	V	0.05	1.9	2.54	147
180970078	2011	8	18	22	V	0.04	1.6	2.73	178
180970078	2011	8	18	23	V	0.1	1.6	1.89	195
180970078	2011	8	18	24	V	0.5	0.8	1.08	280
180970078	2011	8	19	1	V	0.2	0.6	1.45	292
180970078	2011	8	19	2	V	15.2	1.4	2.03	209
180970078	2011	8	19	3	V	0.04	0.7	2.28	147
180970078	2011	8	19	4	V	0.6	1.3	1.88	201
180970078	2011	8	19	5	V	0.1	1	1.94	241
180970078	2011	8	19	6	V	16.1	1.5	1.82	225
180970078	2011	8	19	7	V	1.0	0.7	1.69	257
180970078	2011	8	19	8	V	5.2	1.4	0.75	121
180970078	2011	8	19	9	V	0.6	4.1	1.96	151
180970078	2011	8	19	10	V	1.7	5	1.2	119
180970078	2011	8	19	11	V	1.2	5.5	1.45	122
180970078	2011	8	19	12	V	0.6	5.7	1.77	163
180970078	2011	8	19	13	V	2.5	52.7	2.88	195
180970078	2011	8	19	14	V	7.5	72.3	3.81	213
180970078	2011	8	19	15	V	4.9	67.7	1.94	207
180970078	2011	8	19	16	V	2.7	33.5	1.71	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	19	17	V	0.4	19.1	1.91	181
180970078	2011	8	19	18	V	0.04	10.9	2.64	167
180970078	2011	8	19	19	V	0.05	2.6	2.52	172
180970078	2011	8	19	20	V	0.2	1.8	1.4	4
180970078	2011	8	19	21	V	0.05	1.7	2.74	118
180970078	2011	8	19	22	V	0.04	1.9	2.78	167
180970078	2011	8	19	23	V	0.03	1.5	2.79	166
180970078	2011	8	19	24	V	6.5	1.5	1.67	205
180970078	2011	8	20	1	V	22.0	1.2	1.71	210
180970078	2011	8	20	2	V	0.1	1.2	1.52	183
180970078	2011	8	20	3	V	0.8	1	1.62	233
180970078	2011	8	20	4	V	20.2	0.3	1.38	208
180970078	2011	8	20	5	V	0.3	0.6	1.26	257
180970078	2011	8	20	6	V	14.0	1.1	0.89	225
180970078	2011	8	20	7	V	5.4	1.1	0.57	318
180970078	2011	8	20	8	V	5.7	1.4	0.96	241
180970078	2011	8	20	9	V	0.7	2.9	2.5	251
180970078	2011	8	20	10	V	5.2	2.4	2.9	228
180970078	2011	8	20	11	V	0.5	3.6	2.38	183
180970078	2011	8	20	12	V	0.1	25.1	3.51	181
180970078	2011	8	20	13	V	0.06	6.4	3.86	179
180970078	2011	8	20	14	V	0.04	5.8	4.26	175
180970078	2011	8	20	15	V	0.9	2.1	4.32	198
180970078	2011	8	20	16	V	1.2	14.5	2.88	195
180970078	2011	8	20	17	V	3.0	14.5	3.68	204
180970078	2011	8	20	18	V	13.9	10.4	3.12	207
180970078	2011	8	20	19	V	0.05	32.5	3.07	186
180970078	2011	8	20	20	V	1.8	8.4	3.13	202
180970078	2011	8	20	21	V	28.9	6.9	2.18	217
180970078	2011	8	20	22	V	21.6	5.5	2.57	219
180970078	2011	8	20	23	V	0.09	2.7	1.79	178
180970078	2011	8	20	24	V	0.4	2.9	1.37	244
180970078	2011	8	21	1	V	1.0	2	0.99	238
180970078	2011	8	21	2	V	0.3	1	1.2	145
180970078	2011	8	21	3	V	26.0	1.6	2.89	215
180970078	2011	8	21	4	V	0.4	2.4	2.81	250
180970078	2011	8	21	5	V	0.04	2.2	3.25	300
180970078	2011	8	21	6	V	0.3	1	2.45	309
180970078	2011	8	21	7	V	1.6	1.1	1.37	297
180970078	2011	8	21	8	V	1.2	1.7	1.74	256
180970078	2011	8	21	9	V	0.5	1.1	1.93	341
180970078	2011	8	21	10	V	1.0	1.8	1.45	68
180970078	2011	8	21	11	V	0.3	1.4	2.49	261
180970078	2011	8	21	12	V	0.09	1.3	3.56	269
180970078	2011	8	21	13	V	0.05	1.2	4.85	307
180970078	2011	8	21	14	V	0.03	1	5.68	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	21	15	V	0.01	0.8	7.32	346
180970078	2011	8	21	16	V	0.03	1.1	5	323
180970078	2011	8	21	17	V	0.02	1.2	5.21	313
180970078	2011	8	21	18	V	0.03	1.5	7.03	343
180970078	2011	8	21	19	V	0.03	1.8	6.75	342
180970078	2011	8	21	20	V	0.04	0.7	4.09	355
180970078	2011	8	21	21	V	0.03	1.4	4.46	11
180970078	2011	8	21	22	V	0.03	1.6	3.25	22
180970078	2011	8	21	23	V	0.05	1	2.64	23
180970078	2011	8	21	24	C	-999	0.8	0	0
180970078	2011	8	22	1	V	0.1	0.5	1.76	306
180970078	2011	8	22	2	C	-999	1.3	0	0
180970078	2011	8	22	3	C	-999	1.1	0	0
180970078	2011	8	22	4	C	-999	1.1	0	0
180970078	2011	8	22	5	V	0.3	0.6	1.2	285
180970078	2011	8	22	6	V	1.6	0.7	1.08	284
180970078	2011	8	22	7	V	2.5	1.2	1.08	353
180970078	2011	8	22	8	V	2.8	2.2	0.69	268
180970078	2011	8	22	9	V	2.4	0.9	1.65	190
180970078	2011	8	22	10	V	2.2	1.3	2.35	192
180970078	2011	8	22	11	V	1.1	12.2	2.27	245
180970078	2011	8	22	12	V	0.3	7	2.57	301
180970078	2011	8	22	13	V	0.1	4.3	3.42	341
180970078	2011	8	22	14	V	0.09	2.1	3.91	318
180970078	2011	8	22	15	V	0.05	1.2	4.37	326
180970078	2011	8	22	16	V	0.05	0.7	3.88	316
180970078	2011	8	22	17	V	0.03	0.9	3.83	347
180970078	2011	8	22	18	V	0.04	0.7	2.83	335
180970078	2011	8	22	19	V	0.05	1.2	2.52	336
180970078	2011	8	22	20	V	0.07	1.2	2.15	324
180970078	2011	8	22	21	V	0.2	0.9	1.43	341
180970078	2011	8	22	22	C	-999	1	0	0
180970078	2011	8	22	23	V	0.2	1.7	1.43	121
180970078	2011	8	22	24	V	0.03	1.5	2.73	121
180970078	2011	8	23	1	V	0.1	0.8	1.59	140
180970078	2011	8	23	2	V	9.0	0.7	1.43	205
180970078	2011	8	23	3	V	0.1	1.4	1.64	193
180970078	2011	8	23	4	V	0.5	0.3	1.06	256
180970078	2011	8	23	5	V	13.7	0.6	1.08	225
180970078	2011	8	23	6	V	3.8	0.3	1.21	188
180970078	2011	8	23	7	V	1.5	1.4	1.38	107
180970078	2011	8	23	8	V	0.3	6.5	2.59	132
180970078	2011	8	23	9	V	0.7	5.6	2.27	179
180970078	2011	8	23	10	V	1.9	13.3	4.68	198
180970078	2011	8	23	11	V	0.5	5.1	5.46	193
180970078	2011	8	23	12	V	0.5	2.1	5.87	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	23	13	V	3.8	4.3	4.61	206
180970078	2011	8	23	14	V	4.4	8.2	5.09	219
180970078	2011	8	23	15	V	3.3	4.8	2.61	228
180970078	2011	8	23	16	V	0.6	2.9	2.91	238
180970078	2011	8	23	17	V	0.01	1.5	7.76	303
180970078	2011	8	23	18	V	0.03	1	6.14	137
180970078	2011	8	23	19	V	0.04	2.5	4.41	167
180970078	2011	8	23	20	V	6.2	1.3	4.8	204
180970078	2011	8	23	21	V	0.05	1.5	3.86	190
180970078	2011	8	23	22	V	0.2	1.7	4.29	198
180970078	2011	8	23	23	V	0.04	2.1	5.12	177
180970078	2011	8	23	24	V	0.04	1.6	4.36	184
180970078	2011	8	24	1	V	0.04	3.2	4.68	180
180970078	2011	8	24	2	V	0.04	2.7	4.54	195
180970078	2011	8	24	3	V	9.0	1.2	6.4	207
180970078	2011	8	24	4	V	9.0	5.2	4.56	223
180970078	2011	8	24	5	V	20.3	27.1	2.83	218
180970078	2011	8	24	6	V	0.3	14.3	2.93	190
180970078	2011	8	24	7	V	0.09	8.6	4.37	182
180970078	2011	8	24	8	V	0.2	6.6	4.12	189
180970078	2011	8	24	9	V	13.0	17.4	5.21	216
180970078	2011	8	24	10	V	0.3	5.1	7.11	235
180970078	2011	8	24	11	V	0.2	2.6	6.77	238
180970078	2011	8	24	12	V	0.9	2.4	7.08	231
180970078	2011	8	24	13	V	0.1	2.8	8	237
180970078	2011	8	24	14	V	0.5	4	8.4	232
180970078	2011	8	24	15	V	0.5	2.1	9.46	231
180970078	2011	8	24	16	V	1.9	3.6	9.8	224
180970078	2011	8	24	17	V	3.3	3.8	9.54	221
180970078	2011	8	24	18	V	18.5	2.7	9.2	217
180970078	2011	8	24	19	V	18.6	7.8	8.74	217
180970078	2011	8	24	20	V	12.0	6.3	7.2	221
180970078	2011	8	24	21	V	21.5	11.3	7.65	213
180970078	2011	8	24	22	V	16.6	18.5	9.52	219
180970078	2011	8	24	23	V	0.2	-999	7.11	248
180970078	2011	8	24	24	V	0.04	-999	4.6	285
180970078	2011	8	25	1	V	0.04	0.7	4.58	275
180970078	2011	8	25	2	V	0.04	0.9	4.88	300
180970078	2011	8	25	3	V	0.04	2	4.39	307
180970078	2011	8	25	4	V	0.04	0.8	4.9	323
180970078	2011	8	25	5	V	0.04	0.7	4.61	330
180970078	2011	8	25	6	V	0.1	0.7	4.02	323
180970078	2011	8	25	7	V	0.2	1	3.76	327
180970078	2011	8	25	8	V	0.1	2.5	3.78	333
180970078	2011	8	25	9	V	0.04	4.1	5.36	334
180970078	2011	8	25	10	V	0.06	3.2	4.75	335

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	25	11	V	0.08	2.3	4.12	336
180970078	2011	8	25	12	V	0.07	1.7	4.44	331
180970078	2011	8	25	13	V	0.07	1.8	4.51	329
180970078	2011	8	25	14	V	0.06	1.3	4.32	333
180970078	2011	8	25	15	V	0.05	1.1	4.2	354
180970078	2011	8	25	16	V	0.04	1.5	4.32	355
180970078	2011	8	25	17	V	0.03	0.9	3.93	357
180970078	2011	8	25	18	V	0.04	1.1	4.58	353
180970078	2011	8	25	19	V	0.04	1.5	5.36	340
180970078	2011	8	25	20	V	0.04	1.4	3.81	354
180970078	2011	8	25	21	V	0.04	3	3.83	354
180970078	2011	8	25	22	V	0.03	1.2	3.54	356
180970078	2011	8	25	23	V	0.03	0.8	4.53	5
180970078	2011	8	25	24	V	0.03	0.7	4.41	21
180970078	2011	8	26	1	V	0.03	1.3	4.12	29
180970078	2011	8	26	2	V	0.03	0.9	2.88	39
180970078	2011	8	26	3	V	0.06	0.7	2.08	13
180970078	2011	8	26	4	V	0.05	1.5	2.25	3
180970078	2011	8	26	5	V	0.07	0.9	2.03	10
180970078	2011	8	26	6	V	0.5	1.1	1.89	11
180970078	2011	8	26	7	V	0.5	1.1	2.88	34
180970078	2011	8	26	8	V	0.6	1.3	2.28	18
180970078	2011	8	26	9	V	2.4	1.2	1.2	25
180970078	2011	8	26	10	V	2.1	2.6	1.31	331
180970078	2011	8	26	11	V	0.7	0.3	2.11	343
180970078	2011	8	26	12	V	0.5	0.2	2.32	324
180970078	2011	8	26	13	V	0.3	0.7	2.64	340
180970078	2011	8	26	14	V	0.3	1.3	2.59	346
180970078	2011	8	26	15	V	0.1	0.4	3.08	348
180970078	2011	8	26	16	V	0.07	1	3.66	339
180970078	2011	8	26	17	V	0.03	0.4	4.2	346
180970078	2011	8	26	18	V	0.04	1.2	4.76	329
180970078	2011	8	26	19	V	0.04	1.1	4.65	331
180970078	2011	8	26	20	V	0.04	0.8	3.95	330
180970078	2011	8	26	21	V	0.04	0	3.49	327
180970078	2011	8	26	22	V	0.04	0.4	3.73	342
180970078	2011	8	26	23	V	0.03	1.6	2.98	352
180970078	2011	8	26	24	V	0.03	0.5	3.13	347
180970078	2011	8	27	1	V	0.05	0.9	2.3	14
180970078	2011	8	27	2	V	0.04	1	1.77	351
180970078	2011	8	27	3	V	0.05	0.9	1.67	13
180970078	2011	8	27	4	V	0.05	0.8	1.6	2
180970078	2011	8	27	5	V	0.04	0.4	1.81	350
180970078	2011	8	27	6	V	0.5	1.6	1.33	6
180970078	2011	8	27	7	V	0.7	1.4	1.42	339
180970078	2011	8	27	8	V	1.2	1.7	0.97	11

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	27	9	V	0.8	1.6	1.25	17
180970078	2011	8	27	10	V	0.1	2.6	2.5	26
180970078	2011	8	27	11	V	0.08	5.8	3.06	10
180970078	2011	8	27	12	V	0.03	5.3	4.14	3
180970078	2011	8	27	13	V	0.03	4.4	4	335
180970078	2011	8	27	14	V	0.02	4.6	4.32	346
180970078	2011	8	27	15	V	0.01	2.9	6.16	333
180970078	2011	8	27	16	V	0.01	2.5	6.52	330
180970078	2011	8	27	17	V	0.005	1.4	6.6	336
180970078	2011	8	27	18	V	0.01	1.3	6.41	338
180970078	2011	8	27	19	V	0.01	1.1	5.48	347
180970078	2011	8	27	20	V	0.02	1	3.93	354
180970078	2011	8	27	21	V	0.01	1.2	5.58	359
180970078	2011	8	27	22	V	0.01	0.7	6.3	336
180970078	2011	8	27	23	V	0.01	0.5	5.82	339
180970078	2011	8	27	24	V	0.01	1.1	4.83	344
180970078	2011	8	28	1	V	0.01	0.3	4.66	342
180970078	2011	8	28	2	V	0.01	0.7	5.39	352
180970078	2011	8	28	3	V	0.01	0.7	4.87	357
180970078	2011	8	28	4	V	0.01	0.3	4.65	360
180970078	2011	8	28	5	V	0.01	1.4	3.18	354
180970078	2011	8	28	6	V	0.1	0.4	2.67	347
180970078	2011	8	28	7	V	0.2	0.9	2.64	333
180970078	2011	8	28	8	V	0.06	1.5	3.52	358
180970078	2011	8	28	9	V	0.04	0.5	3.74	16
180970078	2011	8	28	10	V	0.07	0.9	3.03	8
180970078	2011	8	28	11	V	0.03	0.9	3.97	6
180970078	2011	8	28	12	V	0.03	0.8	4.37	20
180970078	2011	8	28	13	V	0.02	0.4	4.97	347
180970078	2011	8	28	14	V	0.02	0.9	4.95	353
180970078	2011	8	28	15	V	0.02	0.6	4.8	345
180970078	2011	8	28	16	V	0.01	0.4	5.31	339
180970078	2011	8	28	17	V	0.01	0.2	5.56	341
180970078	2011	8	28	18	V	0.01	0.2	5.62	343
180970078	2011	8	28	19	V	0.02	0.8	4.66	360
180970078	2011	8	28	20	V	0.02	0.7	3.27	359
180970078	2011	8	28	21	V	0.02	1.5	2.33	360
180970078	2011	8	28	22	V	0.02	0.5	3.35	359
180970078	2011	8	28	23	V	0.02	1.2	5.26	355
180970078	2011	8	28	24	V	0.02	1.8	4	359
180970078	2011	8	29	1	V	0.02	1.1	4.1	24
180970078	2011	8	29	2	V	0.02	1.1	4.05	28
180970078	2011	8	29	3	V	0.02	0.7	4.02	36
180970078	2011	8	29	4	V	0.02	0.7	3.56	47
180970078	2011	8	29	5	V	0.02	1	3.25	55
180970078	2011	8	29	6	V	0.03	1	4.07	80

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	29	7	V	0.08	2	3.51	79
180970078	2011	8	29	8	V	0.03	2.1	4.31	85
180970078	2011	8	29	9	V	0.03	2.7	4.43	90
180970078	2011	8	29	10	V	0.03	2.2	4.37	92
180970078	2011	8	29	11	V	0.04	1.9	3.85	88
180970078	2011	8	29	12	V	0.08	1.7	2.93	71
180970078	2011	8	29	13	V	0.06	0.9	3.08	49
180970078	2011	8	29	14	V	0.06	1.1	2.91	64
180970078	2011	8	29	15	V	0.05	1	3.08	12
180970078	2011	8	29	16	V	0.02	0.8	3.76	58
180970078	2011	8	29	17	V	0.01	1	3.18	25
180970078	2011	8	29	18	V	0.01	1.3	3.88	26
180970078	2011	8	29	19	V	0.01	1.1	4.63	44
180970078	2011	8	29	20	V	0.01	0.9	4.24	49
180970078	2011	8	29	21	V	0.01	0.9	3.37	57
180970078	2011	8	29	22	V	0.01	1.2	2.96	53
180970078	2011	8	29	23	V	0.01	0.6	3.64	68
180970078	2011	8	29	24	V	0.01	0.5	3.52	74
180970078	2011	8	30	1	V	0.01	1	3.34	92
180970078	2011	8	30	2	V	0.01	1.4	2.79	103
180970078	2011	8	30	3	V	0.02	1.5	2.45	110
180970078	2011	8	30	4	V	0.03	1.2	1.98	90
180970078	2011	8	30	5	V	0.03	0	2.08	89
180970078	2011	8	30	6	V	0.1	1.1	2.28	87
180970078	2011	8	30	7	V	0.3	0.8	1.89	69
180970078	2011	8	30	8	V	0.5	1.1	1.74	92
180970078	2011	8	30	9	V	0.2	8.8	2.16	118
180970078	2011	8	30	10	V	0.05	10.8	3.52	135
180970078	2011	8	30	11	V	0.07	9.1	3.2	129
180970078	2011	8	30	12	V	0.07	6.2	3.08	125
180970078	2011	8	30	13	V	0.08	5	2.84	103
180970078	2011	8	30	14	V	0.03	4.7	3.56	109
180970078	2011	8	30	15	V	0.02	5.3	3.61	119
180970078	2011	8	30	16	V	0.02	6.9	4.15	117
180970078	2011	8	30	17	V	0.01	15.8	3.46	118
180970078	2011	8	30	18	V	0.02	17.8	3.93	108
180970078	2011	8	30	19	V	0.02	13.3	4.44	104
180970078	2011	8	30	20	V	0.02	10.1	4.1	92
180970078	2011	8	30	21	V	0.02	7.9	3.68	102
180970078	2011	8	30	22	V	0.02	4.7	3.92	116
180970078	2011	8	30	23	V	0.02	4.6	4.39	120
180970078	2011	8	30	24	V	0.02	3.2	4.34	126
180970078	2011	8	31	1	V	0.02	2.7	4.65	129
180970078	2011	8	31	2	V	0.02	4.1	3.17	131
180970078	2011	8	31	3	V	0.03	6.8	1.96	117
180970078	2011	8	31	4	V	0.03	7.2	2.06	11

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	8	31	5	V	0.03	5	2.35	18
180970078	2011	8	31	6	V	0.1	2.4	2.88	91
180970078	2011	8	31	7	V	0.1	2.1	4.05	74
180970078	2011	8	31	8	V	0.3	1.5	2.98	118
180970078	2011	8	31	9	V	0.2	2.3	3.52	137
180970078	2011	8	31	10	V	0.09	1.4	4.49	124
180970078	2011	8	31	11	V	0.06	2.7	5.07	126
180970078	2011	8	31	12	V	0.06	3.1	4.87	159
180970078	2011	8	31	13	V	0.06	2.9	4.63	175
180970078	2011	8	31	14	V	1.5	4.2	5.48	200
180970078	2011	8	31	15	V	3.2	11.8	6.35	208
180970078	2011	8	31	16	V	4.8	10.4	7.11	214
180970078	2011	8	31	17	V	6.6	6.9	5.7	217
180970078	2011	8	31	18	V	25.0	3.5	6.18	214
180970078	2011	8	31	19	V	0.04	1.7	5.36	185
180970078	2011	8	31	20	V	0.04	2.2	4.19	182
180970078	2011	8	31	21	V	0.04	2.1	3.32	183
180970078	2011	8	31	22	V	0.04	4.1	3.9	179
180970078	2011	8	31	23	V	0.04	-999	3.83	177
180970078	2011	8	31	24	V	0.03	-999	3.59	179
180970078	2011	9	1	1	V	0.03	2.4	3.73	170
180970078	2011	9	1	2	V	0.03	2.4	3.42	181
180970078	2011	9	1	3	V	0.03	3.2	2.93	193
180970078	2011	9	1	4	V	0.1	3.1	3.95	199
180970078	2011	9	1	5	V	0.03	2.7	2.95	197
180970078	2011	9	1	6	V	27.4	4.1	2.83	211
180970078	2011	9	1	7	V	29.2	3.7	2.04	208
180970078	2011	9	1	8	V	28.2	16.8	2.76	208
180970078	2011	9	1	9	V	7.6	14.4	5.09	223
180970078	2011	9	1	10	V	0.8	7.1	6.4	231
180970078	2011	9	1	11	V	0.05	4.8	7.21	243
180970078	2011	9	1	12	V	0.04	2.9	8.1	248
180970078	2011	9	1	13	V	0.07	2.8	7.52	239
180970078	2011	9	1	14	V	0.07	2.7	6.81	240
180970078	2011	9	1	15	V	1.1	2.8	6.79	229
180970078	2011	9	1	16	V	0.04	2.3	5.85	243
180970078	2011	9	1	17	V	0.9	2	6.09	229
180970078	2011	9	1	18	V	0.1	2.4	6.09	240
180970078	2011	9	1	19	V	0.1	3	5.55	237
180970078	2011	9	1	20	V	33.0	13.1	3.97	215
180970078	2011	9	1	21	V	19.4	3.4	3.73	219
180970078	2011	9	1	22	V	31.8	25.7	3.4	210
180970078	2011	9	1	23	V	34.2	31.7	3.52	215
180970078	2011	9	1	24	V	22.3	35.9	3.69	218
180970078	2011	9	2	1	V	0.2	15.8	3.12	234
180970078	2011	9	2	2	V	0.1	13.8	3.22	236

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	2	3	V	0.1	19.4	2.27	236
180970078	2011	9	2	4	V	0.7	11.4	1.82	247
180970078	2011	9	2	5	V	0.7	8.7	2.64	248
180970078	2011	9	2	6	V	0.8	6.4	2.45	241
180970078	2011	9	2	7	V	0.7	4.1	2.57	246
180970078	2011	9	2	8	V	3.0	13.7	2.18	240
180970078	2011	9	2	9	V	0.3	51.7	3.97	241
180970078	2011	9	2	10	V	0.1	41.5	5.02	248
180970078	2011	9	2	11	V	0.06	17.2	6.6	244
180970078	2011	9	2	12	V	0.03	5.2	8.45	244
180970078	2011	9	2	13	V	0.04	6.6	7.43	253
180970078	2011	9	2	14	V	0.04	7.1	6.19	256
180970078	2011	9	2	15	V	0.05	6.3	4.85	254
180970078	2011	9	2	16	V	0.5	5.4	4.03	236
180970078	2011	9	2	17	V	0.3	3	3.54	235
180970078	2011	9	2	18	V	33.8	2.5	4.32	213
180970078	2011	9	2	19	V	29.2	9.2	3.66	210
180970078	2011	9	2	20	V	37.1	3.4	3.17	211
180970078	2011	9	2	21	V	0.2	3.4	1.71	236
180970078	2011	9	2	22	V	0.2	3	1.54	240
180970078	2011	9	2	23	V	0.6	3.6	2.23	251
180970078	2011	9	2	24	V	0.3	3.7	1.99	244
180970078	2011	9	3	1	V	4.9	3.5	1.33	229
180970078	2011	9	3	2	V	0.4	3	1.11	171
180970078	2011	9	3	3	V	1.4	3.9	0.69	251
180970078	2011	9	3	4	C	-999	2.5	0	0
180970078	2011	9	3	5	V	0.2	2.3	1.35	178
180970078	2011	9	3	6	V	13.5	2.3	0.86	200
180970078	2011	9	3	7	V	0.4	2.9	2.28	151
180970078	2011	9	3	8	V	0.3	2.1	2.98	178
180970078	2011	9	3	9	V	0.6	5.8	1.98	270
180970078	2011	9	3	10	V	2.3	8.7	1.96	241
180970078	2011	9	3	11	V	0.3	8.5	2.49	259
180970078	2011	9	3	12	V	3.0	10.6	2.64	226
180970078	2011	9	3	13	V	4.0	8.1	3.57	213
180970078	2011	9	3	14	V	2.5	7.8	4.66	226
180970078	2011	9	3	15	V	0.1	2.2	4.37	244
180970078	2011	9	3	16	V	0.1	2	3.34	247
180970078	2011	9	3	17	V	1.1	4.8	6.33	203
180970078	2011	9	3	18	V	0.05	1.7	2.71	112
180970078	2011	9	3	19	V	0.04	1.5	3.12	73
180970078	2011	9	3	20	V	0.05	0.2	3.51	55
180970078	2011	9	3	21	V	0.05	0.6	4	103
180970078	2011	9	3	22	V	0.05	1.5	2.42	68
180970078	2011	9	3	23	V	0.04	0.9	4.25	338
180970078	2011	9	3	24	V	0.04	0.3	4.73	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	4	1	V	0.04	0.7	4.61	347
180970078	2011	9	4	2	V	0.05	1.2	3.9	87
180970078	2011	9	4	3	V	0.04	1.5	2.33	35
180970078	2011	9	4	4	V	0.06	1.3	2.06	64
180970078	2011	9	4	5	V	0.05	0.8	2.35	136
180970078	2011	9	4	6	V	0.8	0.4	1.59	320
180970078	2011	9	4	7	V	0.4	0.1	2.35	257
180970078	2011	9	4	8	V	0.09	0.9	3.81	310
180970078	2011	9	4	9	V	0.02	0.4	6.4	327
180970078	2011	9	4	10	V	0.01	0.9	6.6	336
180970078	2011	9	4	11	V	0.06	1.9	4.37	325
180970078	2011	9	4	12	V	0.1	2	3.3	309
180970078	2011	9	4	13	V	0.07	1.2	3.95	300
180970078	2011	9	4	14	V	0.01	0.9	6.91	314
180970078	2011	9	4	15	V	0.02	0.5	5.96	309
180970078	2011	9	4	16	V	0.01	0.5	6.38	309
180970078	2011	9	4	17	V	0.03	0.1	7.32	320
180970078	2011	9	4	18	V	0.03	0.9	6.43	320
180970078	2011	9	4	19	V	0.03	1.4	5.95	323
180970078	2011	9	4	20	V	0.03	0.7	5.48	332
180970078	2011	9	4	21	V	0.04	1.6	4.02	335
180970078	2011	9	4	22	V	0.03	2.2	6.36	349
180970078	2011	9	4	23	V	0.03	1.4	6.52	6
180970078	2011	9	4	24	V	0.04	0.6	4.24	6
180970078	2011	9	5	1	V	0.03	0.3	3.39	357
180970078	2011	9	5	2	V	0.03	1	3.59	356
180970078	2011	9	5	3	V	0.03	1.3	3.85	332
180970078	2011	9	5	4	V	0.02	1.5	5.36	346
180970078	2011	9	5	5	V	0.02	1.4	6.18	7
180970078	2011	9	5	6	V	0.01	1.2	6.55	11
180970078	2011	9	5	7	V	0.01	0.9	6.62	17
180970078	2011	9	5	8	V	0.01	1.1	7.93	17
180970078	2011	9	5	9	V	0.01	1	8.05	17
180970078	2011	9	5	10	V	0.01	0.7	9.41	19
180970078	2011	9	5	11	V	0.01	0.9	8.95	17
180970078	2011	9	5	12	V	0.01	0.5	8.98	9
180970078	2011	9	5	13	V	0.01	0.4	8.37	5
180970078	2011	9	5	14	V	0.01	0.3	8.42	11
180970078	2011	9	5	15	V	0.01	1.2	8.05	11
180970078	2011	9	5	16	V	0.01	1.2	8.15	13
180970078	2011	9	5	17	V	0.02	1.3	7.84	19
180970078	2011	9	5	18	V	0.02	0.1	8.03	18
180970078	2011	9	5	19	V	0.02	1.6	8.11	22
180970078	2011	9	5	20	V	0.02	0.7	6.07	13
180970078	2011	9	5	21	V	0.02	1.2	6.19	16
180970078	2011	9	5	22	V	0.02	0.3	5.9	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	5	23	V	0.02	1.3	7.11	41
180970078	2011	9	5	24	V	0.02	1	6.89	43
180970078	2011	9	6	1	V	0.02	0.7	7.52	41
180970078	2011	9	6	2	V	0.02	0.8	7.54	38
180970078	2011	9	6	3	V	0.02	0.6	7.3	30
180970078	2011	9	6	4	V	0.02	0.4	7.37	32
180970078	2011	9	6	5	V	0.02	1.2	7.21	30
180970078	2011	9	6	6	V	0.01	0.3	6.82	27
180970078	2011	9	6	7	V	0.01	0.7	7.08	22
180970078	2011	9	6	8	V	0.01	0.5	6.98	23
180970078	2011	9	6	9	V	0.01	1	7.79	35
180970078	2011	9	6	10	V	0.01	1.4	8.01	35
180970078	2011	9	6	11	V	0.01	0.8	9.25	38
180970078	2011	9	6	12	V	0.01	0.8	8.69	29
180970078	2011	9	6	13	V	0.01	1.4	8.85	23
180970078	2011	9	6	14	V	0.01	0.8	8.42	19
180970078	2011	9	6	15	V	0.01	0.5	8.91	21
180970078	2011	9	6	16	V	0.01	1.2	8.93	29
180970078	2011	9	6	17	V	0.02	1	8.76	30
180970078	2011	9	6	18	V	0.02	0.2	8.81	34
180970078	2011	9	6	19	V	0.02	1.1	7.5	30
180970078	2011	9	6	20	V	0.02	1	8.1	31
180970078	2011	9	6	21	V	0.03	0.9	7.94	19
180970078	2011	9	6	22	V	0.02	0	7.81	27
180970078	2011	9	6	23	V	0.02	1.3	7.55	26
180970078	2011	9	6	24	V	0.03	1.8	5.62	4
180970078	2011	9	7	1	V	0.03	0.7	5.87	4
180970078	2011	9	7	2	V	0.02	1.3	6.21	10
180970078	2011	9	7	3	V	0.02	1.4	6.07	3
180970078	2011	9	7	4	V	0.02	1.2	6.07	359
180970078	2011	9	7	5	V	0.03	0.3	5.65	5
180970078	2011	9	7	6	V	0.01	0.5	6.13	10
180970078	2011	9	7	7	V	0.01	0.5	7.01	9
180970078	2011	9	7	8	V	0.02	1.2	5.97	4
180970078	2011	9	7	9	V	0.01	1	7.16	3
180970078	2011	9	7	10	V	0.01	1.1	7.72	8
180970078	2011	9	7	11	V	0.01	0.4	7.25	8
180970078	2011	9	7	12	V	0.01	0.8	6.96	4
180970078	2011	9	7	13	V	0.01	0.8	8.05	9
180970078	2011	9	7	14	V	0.01	0.6	7.18	357
180970078	2011	9	7	15	V	0.01	0.7	6.84	357
180970078	2011	9	7	16	V	0.01	0.3	7.55	354
180970078	2011	9	7	17	V	0.03	0.7	7.16	357
180970078	2011	9	7	18	V	0.04	0.9	4.39	357
180970078	2011	9	7	19	V	0.03	1	4.41	356
180970078	2011	9	7	20	V	0.03	1.2	4.8	3

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	7	21	V	0.04	1.2	4.02	1
180970078	2011	9	7	22	V	0.03	0.5	5.16	9
180970078	2011	9	7	23	V	0.02	-999	6.38	16
180970078	2011	9	7	24	V	0.02	-999	6.91	360
180970078	2011	9	8	1	V	0.02	1	6.84	357
180970078	2011	9	8	2	V	0.02	0.5	7.33	357
180970078	2011	9	8	3	V	0.02	0.8	7.37	350
180970078	2011	9	8	4	V	0.02	0.7	6.21	343
180970078	2011	9	8	5	V	0.02	0.3	5.89	346
180970078	2011	9	8	6	V	0.01	0.8	5.72	345
180970078	2011	9	8	7	V	0.02	0.6	5.41	344
180970078	2011	9	8	8	V	0.02	0.8	6.23	342
180970078	2011	9	8	9	V	0.02	0.7	6.31	353
180970078	2011	9	8	10	V	0.03	0.7	5.46	343
180970078	2011	9	8	11	V	0.03	0.7	5.48	346
180970078	2011	9	8	12	V	0.04	0	5.07	347
180970078	2011	9	8	13	V	0.05	0.5	4.75	337
180970078	2011	9	8	14	V	0.04	0.2	5.24	338
180970078	2011	9	8	15	V	0.09	0.7	4.2	329
180970078	2011	9	8	16	V	0.04	0.8	4.97	322
180970078	2011	9	8	17	V	0.04	0.7	4.39	324
180970078	2011	9	8	18	V	0.04	1.3	3.56	329
180970078	2011	9	8	19	V	0.04	0	2.52	309
180970078	2011	9	8	20	V	0.08	0.1	1.86	285
180970078	2011	9	8	21	V	0.7	1.1	1.55	248
180970078	2011	9	8	22	V	25.4	1.1	1.62	212
180970078	2011	9	8	23	V	6.2	1.2	1.82	206
180970078	2011	9	8	24	V	0.04	1.4	2.06	178
180970078	2011	9	9	1	V	0.05	1.3	1.96	163
180970078	2011	9	9	2	V	0.05	1.4	1.94	161
180970078	2011	9	9	3	V	0.07	0.4	1.65	163
180970078	2011	9	9	4	V	0.05	1.2	2.01	109
180970078	2011	9	9	5	V	0.03	1.3	2.44	122
180970078	2011	9	9	6	V	0.1	0.6	2.08	126
180970078	2011	9	9	7	V	0.2	1.9	2.25	110
180970078	2011	9	9	8	V	0.3	1	2.13	137
180970078	2011	9	9	9	V	0.3	1.1	2.39	129
180970078	2011	9	9	10	V	0.3	0.7	2.52	142
180970078	2011	9	9	11	V	0.2	0.9	3.1	145
180970078	2011	9	9	12	V	0.1	0.8	3.01	135
180970078	2011	9	9	13	V	0.1	1.3	3.01	160
180970078	2011	9	9	14	V	0.4	7.3	1.54	147
180970078	2011	9	9	15	V	0.3	5.5	1.62	158
180970078	2011	9	9	16	V	0.08	1.4	2.3	173
180970078	2011	9	9	17	V	0.6	3.5	2.54	200
180970078	2011	9	9	18	V	0.09	1.8	1.69	165

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	9	19	V	0.07	0.6	2.01	110
180970078	2011	9	9	20	V	0.05	1.2	2.15	124
180970078	2011	9	9	21	V	0.06	1.1	2.03	122
180970078	2011	9	9	22	V	0.08	0.6	1.79	104
180970078	2011	9	9	23	V	0.06	1.4	1.82	112
180970078	2011	9	9	24	V	0.08	1.1	1.64	79
180970078	2011	9	10	1	V	0.2	1.7	1.26	89
180970078	2011	9	10	2	V	0.1	1.1	1.35	74
180970078	2011	9	10	3	V	0.08	0.5	1.65	40
180970078	2011	9	10	4	V	0.04	1.2	2.15	70
180970078	2011	9	10	5	V	0.03	0.9	2.83	87
180970078	2011	9	10	6	V	0.06	1	3.15	113
180970078	2011	9	10	7	V	0.1	0.8	3.15	131
180970078	2011	9	10	8	V	0.3	0.8	2.39	150
180970078	2011	9	10	9	V	0.5	1	1.84	77
180970078	2011	9	10	10	V	0.6	1.7	1.38	99
180970078	2011	9	10	11	V	0.2	3.4	2.42	163
180970078	2011	9	10	12	V	0.1	4	2.88	161
180970078	2011	9	10	13	V	0.1	4.4	2.86	124
180970078	2011	9	10	14	V	0.2	3.6	2.35	122
180970078	2011	9	10	15	V	0.1	3.7	2.23	133
180970078	2011	9	10	16	V	0.2	3.3	1.7	106
180970078	2011	9	10	17	V	0.1	3	1.4	148
180970078	2011	9	10	18	V	0.3	2.4	1.13	141
180970078	2011	9	10	19	V	0.2	1.3	1.25	110
180970078	2011	9	10	20	V	0.05	1.7	2.01	69
180970078	2011	9	10	21	V	0.05	0.7	2.08	86
180970078	2011	9	10	22	V	0.2	2.3	1.35	98
180970078	2011	9	10	23	V	0.1	1.3	1.55	58
180970078	2011	9	10	24	V	1.0	2.1	0.69	69
180970078	2011	9	11	1	V	0.2	1.5	1.28	331
180970078	2011	9	11	2	V	0.2	0.9	1.16	330
180970078	2011	9	11	3	V	1.0	1.2	0.69	277
180970078	2011	9	11	4	V	0.1	0.8	1.43	109
180970078	2011	9	11	5	V	0.1	1.5	1.35	114
180970078	2011	9	11	6	V	0.4	1.6	1.08	77
180970078	2011	9	11	7	V	0.3	0.5	1.72	268
180970078	2011	9	11	8	V	4.9	0.5	1.25	193
180970078	2011	9	11	9	V	1.4	1.7	1.4	250
180970078	2011	9	11	10	V	0.4	2.1	1.82	282
180970078	2011	9	11	11	V	0.4	4.7	1.96	346
180970078	2011	9	11	12	V	0.3	3.7	1.81	31
180970078	2011	9	11	13	V	0.1	2.5	3.13	322
180970078	2011	9	11	14	V	3.9	1.2	3.12	226
180970078	2011	9	11	15	V	3.5	1.6	3.2	202
180970078	2011	9	11	16	V	0.1	5.8	3.17	247

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	11	17	V	0.3	5.2	3.51	246
180970078	2011	9	11	18	V	0.04	1.6	2.55	291
180970078	2011	9	11	19	V	0.3	1.1	1.14	270
180970078	2011	9	11	20	V	28.2	1.2	1.96	217
180970078	2011	9	11	21	V	31.0	1.4	1.98	215
180970078	2011	9	11	22	V	26.5	1.6	2.49	211
180970078	2011	9	11	23	V	3.5	1.3	2.81	226
180970078	2011	9	11	24	V	0.1	1.1	2.96	243
180970078	2011	9	12	1	V	10.9	0.9	2.73	223
180970078	2011	9	12	2	V	0.8	1	2.91	229
180970078	2011	9	12	3	V	0.04	0.9	2.81	240
180970078	2011	9	12	4	V	0.06	0.8	2.42	240
180970078	2011	9	12	5	V	28.7	0.7	2.18	211
180970078	2011	9	12	6	V	4.2	1.2	2.13	232
180970078	2011	9	12	7	V	13.0	1.5	1.98	226
180970078	2011	9	12	8	V	5.4	2.8	2.2	234
180970078	2011	9	12	9	V	0.7	2.9	2.57	244
180970078	2011	9	12	10	V	0.7	2.1	1.88	256
180970078	2011	9	12	11	V	0.2	1.5	3.29	250
180970078	2011	9	12	12	V	0.6	1.9	4.61	235
180970078	2011	9	12	13	V	1.0	1.3	5.29	231
180970078	2011	9	12	14	V	0.08	1.6	5.68	240
180970078	2011	9	12	15	V	0.2	3.4	6.06	236
180970078	2011	9	12	16	V	0.08	2.1	6.07	237
180970078	2011	9	12	17	V	0.3	2.2	5.84	236
180970078	2011	9	12	18	V	0.7	2	6.09	232
180970078	2011	9	12	19	V	1.0	1.3	5.48	231
180970078	2011	9	12	20	V	37.8	1.8	3.75	212
180970078	2011	9	12	21	V	19.0	19.7	4.65	208
180970078	2011	9	12	22	V	34.4	31.8	4.49	212
180970078	2011	9	12	23	V	33.3	32.1	3.85	215
180970078	2011	9	12	24	V	30.4	26.7	4.1	211
180970078	2011	9	13	1	V	13.9	25.2	4.48	208
180970078	2011	9	13	2	V	25.4	22	4.2	212
180970078	2011	9	13	3	V	9.9	25.5	4.03	207
180970078	2011	9	13	4	V	1.2	10.3	4.76	202
180970078	2011	9	13	5	V	3.3	4.2	4.54	204
180970078	2011	9	13	6	V	22.4	17.3	3.98	212
180970078	2011	9	13	7	V	22.7	33	4.51	213
180970078	2011	9	13	8	V	19.5	39.5	4.9	214
180970078	2011	9	13	9	V	4.0	36	6.67	223
180970078	2011	9	13	10	V	0.9	15.6	8.17	229
180970078	2011	9	13	11	V	0.7	3.3	8.28	230
180970078	2011	9	13	12	V	2.5	6.3	7.6	225
180970078	2011	9	13	13	V	0.03	2.9	8.32	243
180970078	2011	9	13	14	V	0.04	3	7.99	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	13	15	V	0.04	3.6	7.42	253
180970078	2011	9	13	16	V	0.01	5.7	7.62	268
180970078	2011	9	13	17	V	0.06	4.3	7.21	261
180970078	2011	9	13	18	V	0.05	1.9	6.7	261
180970078	2011	9	13	19	V	0.04	2	4.54	314
180970078	2011	9	13	20	V	0.04	1.4	4.1	323
180970078	2011	9	13	21	V	0.04	1.1	4.31	348
180970078	2011	9	13	22	V	0.04	1.8	4.63	6
180970078	2011	9	13	23	V	0.03	1.4	5.04	26
180970078	2011	9	13	24	V	0.03	1.7	4.95	34
180970078	2011	9	14	1	V	0.03	1.3	5.82	27
180970078	2011	9	14	2	V	0.03	1	4.56	38
180970078	2011	9	14	3	V	0.03	1	3.91	44
180970078	2011	9	14	4	V	0.03	1	3.46	48
180970078	2011	9	14	5	V	0.05	0.7	2.3	8
180970078	2011	9	14	6	V	0.07	1	3.34	339
180970078	2011	9	14	7	V	0.3	0.8	2.3	356
180970078	2011	9	14	8	V	0.2	1	3	51
180970078	2011	9	14	9	V	0.5	1	2.18	92
180970078	2011	9	14	10	V	0.2	1.3	3.44	62
180970078	2011	9	14	11	V	0.3	1.4	3.07	27
180970078	2011	9	14	12	V	0.08	1.1	4.31	31
180970078	2011	9	14	13	V	0.1	1	3.63	37
180970078	2011	9	14	14	V	0.06	1.1	4.61	37
180970078	2011	9	14	15	V	0.05	1	4.17	12
180970078	2011	9	14	16	V	0.04	0.8	3.75	358
180970078	2011	9	14	17	V	0.06	0.9	4.46	356
180970078	2011	9	14	18	V	0.04	0.9	6.91	356
180970078	2011	9	14	19	V	0.05	0.8	4.87	357
180970078	2011	9	14	20	V	0.05	0.8	4.99	4
180970078	2011	9	14	21	V	0.05	0.8	4.54	18
180970078	2011	9	14	22	V	0.04	0.6	5.84	8
180970078	2011	9	14	23	V	0.03	-999	5.79	1
180970078	2011	9	14	24	V	0.03	-999	8.59	5
180970078	2011	9	15	1	V	0.03	0.5	5.9	29
180970078	2011	9	15	2	V	0.03	0.6	6.45	22
180970078	2011	9	15	3	V	0.03	0.7	6.36	26
180970078	2011	9	15	4	V	0.04	0.7	5.22	16
180970078	2011	9	15	5	V	0.03	0.9	4.6	3
180970078	2011	9	15	6	V	0.05	0.9	4.37	358
180970078	2011	9	15	7	V	0.2	0.6	3.73	353
180970078	2011	9	15	8	V	0.1	0.6	3.97	357
180970078	2011	9	15	9	V	0.05	0.8	5.34	15
180970078	2011	9	15	10	V	0.02	0.8	6.96	27
180970078	2011	9	15	11	V	0.02	0.6	7.35	42
180970078	2011	9	15	12	V	0.02	0.5	7.26	30

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	15	13	V	0.02	0.5	7.47	19
180970078	2011	9	15	14	V	0.01	0.6	7.37	22
180970078	2011	9	15	15	V	0.01	0.6	6.48	16
180970078	2011	9	15	16	V	0.01	0.6	6.11	23
180970078	2011	9	15	17	V	0.02	0.6	5.99	17
180970078	2011	9	15	18	V	0.02	0.5	5.19	22
180970078	2011	9	15	19	V	0.02	0.3	4.97	24
180970078	2011	9	15	20	V	0.02	0.7	3.66	26
180970078	2011	9	15	21	V	0.02	0.6	3.1	28
180970078	2011	9	15	22	V	0.04	0.3	2.45	34
180970078	2011	9	15	23	V	0.04	0.6	2.42	16
180970078	2011	9	15	24	V	0.03	0.9	2.84	33
180970078	2011	9	16	1	V	0.04	0.9	2.45	36
180970078	2011	9	16	2	V	0.03	0.7	2.52	19
180970078	2011	9	16	3	V	0.03	0.6	3.4	29
180970078	2011	9	16	4	V	0.02	0.3	3.52	42
180970078	2011	9	16	5	V	0.03	0.3	3.32	43
180970078	2011	9	16	6	V	0.06	0.8	2.37	51
180970078	2011	9	16	7	V	0.1	0.5	2.62	84
180970078	2011	9	16	8	V	0.1	1.1	3.17	71
180970078	2011	9	16	9	V	0.1	1.1	3.49	81
180970078	2011	9	16	10	V	0.02	1.3	4.75	100
180970078	2011	9	16	11	V	0.01	1.4	6.35	110
180970078	2011	9	16	12	V	0.01	1.3	6.14	109
180970078	2011	9	16	13	V	0.01	1.2	4.9	105
180970078	2011	9	16	14	V	0.01	1.3	4.44	80
180970078	2011	9	16	15	V	0.01	1.1	5.04	91
180970078	2011	9	16	16	V	0.01	1.2	5.45	94
180970078	2011	9	16	17	V	0.02	1.3	5.21	78
180970078	2011	9	16	18	V	0.02	1	4.65	85
180970078	2011	9	16	19	V	0.02	1.1	4.63	76
180970078	2011	9	16	20	V	0.02	1.3	4.82	66
180970078	2011	9	16	21	V	0.01	1.1	5.6	84
180970078	2011	9	16	22	V	0.01	1	5.84	91
180970078	2011	9	16	23	V	0.01	0.8	6.6	102
180970078	2011	9	16	24	V	0.01	1.2	4.78	99
180970078	2011	9	17	1	V	0.02	1	4	99
180970078	2011	9	17	2	V	0.02	1.6	3.95	94
180970078	2011	9	17	3	V	0.02	1.7	3.88	101
180970078	2011	9	17	4	V	0.02	1.6	3.13	88
180970078	2011	9	17	5	V	0.02	1.4	3.05	72
180970078	2011	9	17	6	V	0.03	0.7	3.63	47
180970078	2011	9	17	7	V	0.06	0.9	3.49	57
180970078	2011	9	17	8	V	0.08	0.9	3.25	67
180970078	2011	9	17	9	V	0.1	1.3	3.18	67
180970078	2011	9	17	10	V	0.05	2.2	3.61	76

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	17	11	V	0.09	3.8	2.93	82
180970078	2011	9	17	12	V	0.03	3.2	3.57	76
180970078	2011	9	17	13	V	0.04	2.1	3.18	99
180970078	2011	9	17	14	V	0.04	2.2	2.91	90
180970078	2011	9	17	15	V	0.04	2.1	2.72	93
180970078	2011	9	17	16	V	0.03	1.9	2.67	75
180970078	2011	9	17	17	V	0.02	2.6	2.52	80
180970078	2011	9	17	18	V	0.01	2.6	3.12	84
180970078	2011	9	17	19	V	0.01	1.7	3.63	98
180970078	2011	9	17	20	V	0.01	1.3	3.37	96
180970078	2011	9	17	21	V	0.02	1.8	2.66	70
180970078	2011	9	17	22	V	0.02	1.4	2.47	62
180970078	2011	9	17	23	V	0.01	1.2	3.61	66
180970078	2011	9	17	24	V	0.01	0.9	3.73	93
180970078	2011	9	18	1	V	0.01	0.9	3.76	108
180970078	2011	9	18	2	V	0.02	0.9	3.98	111
180970078	2011	9	18	3	V	0.02	1.5	3.54	105
180970078	2011	9	18	4	V	0.02	1.6	3.51	103
180970078	2011	9	18	5	V	0.02	1.7	3.71	96
180970078	2011	9	18	6	V	0.04	6.4	2.76	99
180970078	2011	9	18	7	V	0.1	6.7	2.32	95
180970078	2011	9	18	8	V	0.1	9.5	2.47	108
180970078	2011	9	18	9	V	0.07	10.1	3.34	125
180970078	2011	9	18	10	V	0.07	9.1	3.47	130
180970078	2011	9	18	11	V	0.07	7.2	3.42	139
180970078	2011	9	18	12	V	0.04	4.9	4.15	137
180970078	2011	9	18	13	V	0.03	2.9	4.39	111
180970078	2011	9	18	14	V	0.02	2.5	4.78	115
180970078	2011	9	18	15	V	0.01	1.6	5.75	134
180970078	2011	9	18	16	V	0.01	1.3	5.96	136
180970078	2011	9	18	17	V	0.02	0.7	5.12	149
180970078	2011	9	18	18	V	0.02	0.9	5.56	148
180970078	2011	9	18	19	V	0.02	1.4	4.49	152
180970078	2011	9	18	20	V	0.02	2.8	5.43	147
180970078	2011	9	18	21	V	0.01	2.7	5.92	147
180970078	2011	9	18	22	V	0.02	1.5	5.85	146
180970078	2011	9	18	23	V	0.02	1	5.5	145
180970078	2011	9	18	24	V	0.02	0.9	4.73	149
180970078	2011	9	19	1	V	0.02	0.9	4.65	149
180970078	2011	9	19	2	V	0.02	1.2	4.78	157
180970078	2011	9	19	3	V	0.02	0.9	4.66	164
180970078	2011	9	19	4	V	0.03	0.8	3.78	175
180970078	2011	9	19	5	V	0.03	0.7	2.95	173
180970078	2011	9	19	6	V	0.03	1.1	4.14	182
180970078	2011	9	19	7	V	0.2	-999	3.2	188
180970078	2011	9	19	8	V	0.1	-999	3.64	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	19	9	V	0.06	-999	3.95	183
180970078	2011	9	19	10	V	0.04	-999	4.66	181
180970078	2011	9	19	11	V	0.02	-999	5.39	182
180970078	2011	9	19	12	V	0.01	-999	6.7	185
180970078	2011	9	19	13	V	0.01	-999	8.11	195
180970078	2011	9	19	14	V	1.4	-999	7.25	205
180970078	2011	9	19	15	V	2.0	-999	6.24	206
180970078	2011	9	19	16	V	6.9	-999	5.6	216
180970078	2011	9	19	17	V	0.1	-999	3.23	257
180970078	2011	9	19	18	V	0.06	-999	1.77	286
180970078	2011	9	19	19	V	0.03	-999	2.42	331
180970078	2011	9	19	20	V	0.09	-999	1.74	311
180970078	2011	9	19	21	V	0.2	-999	1.38	310
180970078	2011	9	19	22	V	0.06	-999	1.86	334
180970078	2011	9	19	23	V	0.06	-999	1.82	358
180970078	2011	9	19	24	V	0.08	-999	1.64	337
180970078	2011	9	20	1	V	1.1	-999	0.63	352
180970078	2011	9	20	2	V	0.1	-999	1.4	3
180970078	2011	9	20	3	V	0.05	-999	2.03	5
180970078	2011	9	20	4	V	0.06	-999	1.84	6
180970078	2011	9	20	5	V	0.06	-999	1.89	19
180970078	2011	9	20	6	V	0.08	-999	2.38	37
180970078	2011	9	20	7	V	0.2	-999	2.71	48
180970078	2011	9	20	8	V	0.3	-999	2.27	42
180970078	2011	9	20	9	V	0.4	-999	2.3	56
180970078	2011	9	20	10	V	0.2	-999	3.1	102
180970078	2011	9	20	11	V	0.1	-999	3.08	122
180970078	2011	9	20	12	V	0.2	-999	2.92	174
180970078	2011	9	20	13	V	0.2	-999	2.55	166
180970078	2011	9	20	14	V	0.09	-999	3	157
180970078	2011	9	20	15	V	0.09	-999	2.86	131
180970078	2011	9	20	16	V	0.03	-999	3.8	138
180970078	2011	9	20	17	V	0.03	-999	3.63	153
180970078	2011	9	20	18	V	0.03	-999	2.91	157
180970078	2011	9	20	19	V	0.03	-999	3.35	149
180970078	2011	9	20	20	V	0.03	-999	3.69	156
180970078	2011	9	20	21	V	0.03	-999	3.42	165
180970078	2011	9	20	22	V	0.03	-999	2.79	164
180970078	2011	9	20	23	V	0.02	-999	3.32	176
180970078	2011	9	20	24	V	0.04	-999	2.23	185
180970078	2011	9	21	1	V	0.03	-999	2.79	171
180970078	2011	9	21	2	V	11.2	-999	1.76	214
180970078	2011	9	21	3	V	9.8	-999	1.89	224
180970078	2011	9	21	4	V	1.1	-999	2.71	206
180970078	2011	9	21	5	V	2.1	-999	2.62	208
180970078	2011	9	21	6	V	3.9	-999	2.39	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	21	7	V	0.5	-999	2.47	244
180970078	2011	9	21	8	V	4.6	-999	2.47	231
180970078	2011	9	21	9	V	0.1	-999	4	252
180970078	2011	9	21	10	V	0.04	-999	4.31	261
180970078	2011	9	21	11	V	0.3	-999	4.1	237
180970078	2011	9	21	12	V	0.2	-999	4.7	237
180970078	2011	9	21	13	V	0.6	-999	5.21	233
180970078	2011	9	21	14	V	0.05	1.5	5.51	242
180970078	2011	9	21	15	V	0.06	1.8	5.94	246
180970078	2011	9	21	16	V	0.07	2.7	5.99	249
180970078	2011	9	21	17	V	0.2	2.8	6.23	244
180970078	2011	9	21	18	V	0.02	3.2	5.53	263
180970078	2011	9	21	19	V	0.01	2.7	3.75	271
180970078	2011	9	21	20	V	0.01	1.4	2.79	291
180970078	2011	9	21	21	V	0.02	0.9	2.76	289
180970078	2011	9	21	22	V	0.01	1	3.01	295
180970078	2011	9	21	23	V	0.04	-999	2.03	304
180970078	2011	9	21	24	V	0.07	-999	1.47	271
180970078	2011	9	22	1	V	10.2	0.9	1.31	225
180970078	2011	9	22	2	V	11.6	1.5	1.81	223
180970078	2011	9	22	3	V	0.3	2	2.47	245
180970078	2011	9	22	4	V	0.03	1.8	2.1	274
180970078	2011	9	22	5	V	0.8	1.4	0.58	282
180970078	2011	9	22	6	V	0.1	1.3	1.98	321
180970078	2011	9	22	7	V	0.8	1.5	1.04	322
180970078	2011	9	22	8	V	0.5	1.9	1.2	138
180970078	2011	9	22	9	V	0.3	2	1.76	312
180970078	2011	9	22	10	V	0.6	1.7	1.23	2
180970078	2011	9	22	11	V	0.08	2.3	2.56	311
180970078	2011	9	22	12	V	0.05	1	3.03	300
180970078	2011	9	22	13	V	0.07	1.1	2.66	275
180970078	2011	9	22	14	V	0.07	0.9	2.89	254
180970078	2011	9	22	15	V	0.07	1	3.59	251
180970078	2011	9	22	16	V	0.01	1	4.22	263
180970078	2011	9	22	17	V	0.01	1.2	5.89	292
180970078	2011	9	22	18	V	0.01	1.2	5.55	301
180970078	2011	9	22	19	V	0.02	1.1	4.95	312
180970078	2011	9	22	20	V	0.02	0.4	2.38	318
180970078	2011	9	22	21	V	0.02	0.6	3.23	317
180970078	2011	9	22	22	V	0.02	0.5	3.01	309
180970078	2011	9	22	23	V	0.03	0.8	1.89	344
180970078	2011	9	22	24	V	0.03	0.6	2.01	13
180970078	2011	9	23	1	V	0.4	0.8	0.8	15
180970078	2011	9	23	2	V	0.09	0.7	1.37	309
180970078	2011	9	23	3	V	0.04	0.6	1.77	287
180970078	2011	9	23	4	V	0.04	0.8	1.89	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	23	5	V	0.04	0.6	1.88	306
180970078	2011	9	23	6	V	0.03	0.6	3.23	300
180970078	2011	9	23	7	V	0.04	0.5	3.68	321
180970078	2011	9	23	8	V	0.06	0.8	3.13	312
180970078	2011	9	23	9	V	0.06	0.8	3.41	317
180970078	2011	9	23	10	V	0.09	0.9	3.37	304
180970078	2011	9	23	11	V	0.1	0.7	3	301
180970078	2011	9	23	12	V	0.06	0.7	3.12	268
180970078	2011	9	23	13	V	0.02	0.7	4.65	275
180970078	2011	9	23	14	V	0.01	0.6	4.7	263
180970078	2011	9	23	15	V	0.09	1.2	4.29	243
180970078	2011	9	23	16	V	0.02	0.8	3.93	257
180970078	2011	9	23	17	V	0.08	0.7	4.8	257
180970078	2011	9	23	18	V	0.09	0.7	3.22	256
180970078	2011	9	23	19	V	0.02	0.8	2.44	258
180970078	2011	9	23	20	V	14.8	1.6	2.25	216
180970078	2011	9	23	21	V	13.0	2	2.13	215
180970078	2011	9	23	22	V	0.08	2	1.43	191
180970078	2011	9	23	23	V	0.03	1.7	2.22	359
180970078	2011	9	23	24	V	0.01	1.7	2.84	37
180970078	2011	9	24	1	V	0.02	1.6	2.27	75
180970078	2011	9	24	2	V	0.03	1.9	1.88	162
180970078	2011	9	24	3	V	0.1	1.7	1.18	179
180970078	2011	9	24	4	V	0.02	1.4	2.15	145
180970078	2011	9	24	5	V	0.03	1	1.89	168
180970078	2011	9	24	6	V	0.04	1	1.77	151
180970078	2011	9	24	7	V	0.1	0.9	2.22	139
180970078	2011	9	24	8	V	0.1	1.1	2.47	147
180970078	2011	9	24	9	V	0.05	1	3.64	149
180970078	2011	9	24	10	V	0.04	1	4.22	147
180970078	2011	9	24	11	V	0.02	1.4	4.07	163
180970078	2011	9	24	12	V	0.03	1.3	3.44	165
180970078	2011	9	24	13	V	0.01	1.4	5.67	182
180970078	2011	9	24	14	V	0.01	1	6.28	191
180970078	2011	9	24	15	V	0.01	1	6.74	175
180970078	2011	9	24	16	V	0.005	1.1	7.11	175
180970078	2011	9	24	17	V	0.01	1.3	6.21	157
180970078	2011	9	24	18	V	0.02	1.5	6.12	164
180970078	2011	9	24	19	V	0.02	1.2	3.05	120
180970078	2011	9	24	20	V	0.02	1	3.13	83
180970078	2011	9	24	21	V	0.03	1	1.87	62
180970078	2011	9	24	22	V	0.02	1.1	3.2	360
180970078	2011	9	24	23	V	0.02	1	3.39	320
180970078	2011	9	24	24	V	0.02	0.7	2.83	331
180970078	2011	9	25	1	V	0.02	0.8	3.3	348
180970078	2011	9	25	2	V	0.02	0.7	2.67	40

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	25	3	V	0.02	0.6	2.9	43
180970078	2011	9	25	4	V	0.02	0.7	4	62
180970078	2011	9	25	5	V	0.02	0.8	2.93	86
180970078	2011	9	25	6	V	0.03	0.8	3.15	86
180970078	2011	9	25	7	V	0.05	0.7	3.03	115
180970078	2011	9	25	8	V	0.02	0.8	4.53	141
180970078	2011	9	25	9	V	0.01	0.9	5.34	183
180970078	2011	9	25	10	V	6.4	1.8	4.56	215
180970078	2011	9	25	11	V	0.02	2.3	5.09	187
180970078	2011	9	25	12	V	0.01	1.2	6.58	135
180970078	2011	9	25	13	V	0.04	1.2	4.02	153
180970078	2011	9	25	14	V	0.01	0.9	5.78	144
180970078	2011	9	25	15	V	0.01	0.7	7.01	169
180970078	2011	9	25	16	V	0.01	0.9	6.89	152
180970078	2011	9	25	17	V	0.02	0.8	5.14	142
180970078	2011	9	25	18	V	0.02	0.9	2.86	61
180970078	2011	9	25	19	V	0.02	0.8	3	60
180970078	2011	9	25	20	V	0.02	0.9	2.95	326
180970078	2011	9	25	21	V	0.02	0.7	4.37	41
180970078	2011	9	25	22	V	0.01	0.6	6.75	9
180970078	2011	9	25	23	V	0.01	0.9	7.77	40
180970078	2011	9	25	24	V	0.01	0.8	5.89	63
180970078	2011	9	26	1	V	0.02	0.9	2.49	78
180970078	2011	9	26	2	V	0.02	0.9	5.24	152
180970078	2011	9	26	3	V	0.01	1.4	6.35	189
180970078	2011	9	26	4	V	7.4	1.2	7.47	218
180970078	2011	9	26	5	V	0.1	1.5	5.24	240
180970078	2011	9	26	6	V	0.2	0.9	4.2	246
180970078	2011	9	26	7	V	0.08	0.9	4.71	253
180970078	2011	9	26	8	V	0.08	0.8	4.73	243
180970078	2011	9	26	9	V	0.1	1.1	4.73	241
180970078	2011	9	26	10	V	3.4	3	4.24	207
180970078	2011	9	26	11	V	3.4	5.9	5.34	223
180970078	2011	9	26	12	V	3.4	3.3	5.36	220
180970078	2011	9	26	13	V	3.2	4.5	5.16	217
180970078	2011	9	26	14	V	0.5	5	6.14	203
180970078	2011	9	26	15	V	0.5	2.8	7.18	205
180970078	2011	9	26	16	V	0.3	1.3	7.37	204
180970078	2011	9	26	17	V	1.9	2.3	7.21	207
180970078	2011	9	26	18	V	0.2	2.9	5.73	200
180970078	2011	9	26	19	V	0.02	1.8	4.87	178
180970078	2011	9	26	20	V	0.01	1.7	5.02	170
180970078	2011	9	26	21	V	0.02	1.8	4.85	165
180970078	2011	9	26	22	V	0.02	1.3	5.85	172
180970078	2011	9	26	23	V	0.02	1.6	5.99	169
180970078	2011	9	26	24	V	0.02	1.1	6.38	175

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	27	1	V	0.02	1.4	6.33	180
180970078	2011	9	27	2	V	0.02	1.7	6.31	189
180970078	2011	9	27	3	V	0.02	1.5	6.4	174
180970078	2011	9	27	4	V	0.03	1.5	5.9	158
180970078	2011	9	27	5	V	0.02	1.3	6.46	152
180970078	2011	9	27	6	V	0.03	1.6	6.8	163
180970078	2011	9	27	7	V	0.01	1.7	5.94	166
180970078	2011	9	27	8	V	0.01	1.6	6.3	168
180970078	2011	9	27	9	V	0.01	1.7	6.07	178
180970078	2011	9	27	10	V	0.02	2	7.42	194
180970078	2011	9	27	11	V	2.3	2.2	7.64	206
180970078	2011	9	27	12	V	4.7	2.6	6.96	220
180970078	2011	9	27	13	V	2.5	5	7.52	224
180970078	2011	9	27	14	V	0.02	3.4	8.98	238
180970078	2011	9	27	15	V	0.03	1.3	9.17	246
180970078	2011	9	27	16	V	0.03	0.8	8.62	248
180970078	2011	9	27	17	V	0.2	0.9	7.69	249
180970078	2011	9	27	18	V	0.2	1	6.52	248
180970078	2011	9	27	19	V	0.2	1.2	5.29	236
180970078	2011	9	27	20	V	10.8	1	4.63	222
180970078	2011	9	27	21	V	15.0	2.7	4.71	219
180970078	2011	9	27	22	V	14.0	10.7	5.1	218
180970078	2011	9	27	23	V	4.7	6.1	5.6	226
180970078	2011	9	27	24	V	2.3	4.4	5.6	229
180970078	2011	9	28	1	V	0.1	2.5	5.67	238
180970078	2011	9	28	2	V	1.6	2.9	4.07	230
180970078	2011	9	28	3	V	0.2	2.4	4.07	242
180970078	2011	9	28	4	V	2.3	2	3.64	229
180970078	2011	9	28	5	V	0.1	2.4	3.74	241
180970078	2011	9	28	6	V	0.3	3.1	4.31	237
180970078	2011	9	28	7	V	0.2	2.2	3.69	245
180970078	2011	9	28	8	V	0.6	2.2	2.76	240
180970078	2011	9	28	9	V	0.2	2.2	2.91	186
180970078	2011	9	28	10	V	6.1	3.1	3.83	210
180970078	2011	9	28	11	V	3.8	-999	4.02	228
180970078	2011	9	28	12	V	0.05	-999	5.31	254
180970078	2011	9	28	13	V	0.02	-999	4.54	272
180970078	2011	9	28	14	V	0.1	2.1	3.63	243
180970078	2011	9	28	15	V	0.08	1.8	3.69	250
180970078	2011	9	28	16	V	0.01	1.9	3.63	297
180970078	2011	9	28	17	V	0.09	1.6	4.34	257
180970078	2011	9	28	18	V	0.2	1.2	4.85	243
180970078	2011	9	28	19	V	0.2	1.5	3.15	255
180970078	2011	9	28	20	V	0.03	1.1	3.75	306
180970078	2011	9	28	21	V	2.1	1.2	3.22	229
180970078	2011	9	28	22	V	0.1	1	2.5	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	28	23	V	0.1	-999	2.44	242
180970078	2011	9	28	24	V	0.09	-999	2.52	241
180970078	2011	9	29	1	V	0.4	1.5	2.32	246
180970078	2011	9	29	2	V	0.05	1	2.3	257
180970078	2011	9	29	3	V	0.02	1	2.28	261
180970078	2011	9	29	4	V	0.2	1.2	2.64	234
180970078	2011	9	29	5	V	0.8	0.9	1.82	232
180970078	2011	9	29	6	V	0.8	1.8	1.82	232
180970078	2011	9	29	7	V	9.7	2.3	2.42	224
180970078	2011	9	29	8	V	8.3	2.3	2.39	227
180970078	2011	9	29	9	V	1.2	2	3.37	238
180970078	2011	9	29	10	V	0.5	2.3	3.66	239
180970078	2011	9	29	11	V	0.1	2.2	4.88	242
180970078	2011	9	29	12	V	0.05	3	6.75	248
180970078	2011	9	29	13	V	0.3	3.9	6.47	234
180970078	2011	9	29	14	V	0.6	5.6	6.94	231
180970078	2011	9	29	15	V	0.3	2.1	8.49	231
180970078	2011	9	29	16	V	2.9	3	8.13	223
180970078	2011	9	29	17	V	0.01	2.2	10.24	316
180970078	2011	9	29	18	V	0.01	1.3	7.81	292
180970078	2011	9	29	19	V	0.02	0.9	5.8	262
180970078	2011	9	29	20	V	0.07	1.2	6.01	257
180970078	2011	9	29	21	V	0.2	1.2	6.33	248
180970078	2011	9	29	22	V	0.2	1.7	7.31	247
180970078	2011	9	29	23	V	0.01	1.3	7.45	264
180970078	2011	9	29	24	V	0.01	1.3	7.32	277
180970078	2011	9	30	1	V	0.05	1.1	6.62	259
180970078	2011	9	30	2	V	0.01	1.1	9.32	286
180970078	2011	9	30	3	V	0.01	0.8	8.54	293
180970078	2011	9	30	4	V	0.01	1.3	7.76	290
180970078	2011	9	30	5	V	0.01	1.1	7.38	295
180970078	2011	9	30	6	V	0.01	1	8.35	301
180970078	2011	9	30	7	V	0.004	1	8.33	292
180970078	2011	9	30	8	V	0.004	1	8.56	297
180970078	2011	9	30	9	V	0.004	1.3	8.69	303
180970078	2011	9	30	10	V	0.004	0.7	8.62	309
180970078	2011	9	30	11	V	0.004	0.7	9.05	308
180970078	2011	9	30	12	V	0.004	1.1	8.28	314
180970078	2011	9	30	13	V	0.01	1	7.91	316
180970078	2011	9	30	14	V	0.004	1.1	9.27	330
180970078	2011	9	30	15	V	0.004	1.1	9.56	344
180970078	2011	9	30	16	V	0.003	1.4	9.76	334
180970078	2011	9	30	17	V	0.01	1	8.74	350
180970078	2011	9	30	18	V	0.01	1.5	7.96	341
180970078	2011	9	30	19	V	0.01	1.8	6.86	336
180970078	2011	9	30	20	V	0.01	0.6	7.48	5

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	9	30	21	V	0.01	1	5.84	349
180970078	2011	9	30	22	V	0.01	0.8	6.3	343
180970078	2011	9	30	23	V	0.01	0.9	5.89	339
180970078	2011	9	30	24	V	0.01	0.8	6.21	343
180970078	2011	10	1	1	V	0.01	0.9	5.29	339
180970078	2011	10	1	2	V	0.01	1	5.12	338
180970078	2011	10	1	3	V	0.01	1	5.09	337
180970078	2011	10	1	4	V	0.01	1	5.48	339
180970078	2011	10	1	5	V	0.01	0.9	5.21	339
180970078	2011	10	1	6	V	0.02	0.8	4.83	336
180970078	2011	10	1	7	V	0.02	0.8	4.49	334
180970078	2011	10	1	8	V	0.01	0.7	5.51	334
180970078	2011	10	1	9	V	0.01	0.6	6.94	352
180970078	2011	10	1	10	V	0.01	1	6.11	357
180970078	2011	10	1	11	V	0.01	1	6.24	356
180970078	2011	10	1	12	V	0.01	1	7.18	345
180970078	2011	10	1	13	V	0.01	0.9	7.18	351
180970078	2011	10	1	14	V	0.01	0.8	6.69	349
180970078	2011	10	1	15	V	0.01	0.9	6.53	350
180970078	2011	10	1	16	V	0.004	1	6.82	338
180970078	2011	10	1	17	V	0.01	1.1	6.3	342
180970078	2011	10	1	18	V	0.01	1	6.24	340
180970078	2011	10	1	19	V	0.01	0.5	5.51	334
180970078	2011	10	1	20	V	0.01	0.9	4.54	331
180970078	2011	10	1	21	V	0.01	0.8	4.61	338
180970078	2011	10	1	22	V	0.01	1.1	4.92	356
180970078	2011	10	1	23	V	0.01	0.7	4.2	7
180970078	2011	10	1	24	V	0.01	0.9	3.52	12
180970078	2011	10	2	1	V	0.02	0.6	2.45	7
180970078	2011	10	2	2	V	0.05	0.6	1.62	337
180970078	2011	10	2	3	V	0.04	0.8	1.81	295
180970078	2011	10	2	4	V	0.02	0.9	2.5	315
180970078	2011	10	2	5	V	0.01	0.9	3.52	328
180970078	2011	10	2	6	V	0.02	0.8	3.91	326
180970078	2011	10	2	7	V	0.04	0.9	3.95	318
180970078	2011	10	2	8	V	0.08	0.9	3.44	322
180970078	2011	10	2	9	V	0.1	0.8	3.01	329
180970078	2011	10	2	10	V	0.08	0.9	3.29	329
180970078	2011	10	2	11	V	0.02	1.1	4.92	340
180970078	2011	10	2	12	V	0.02	0.9	5.22	336
180970078	2011	10	2	13	V	0.02	1.1	4.58	322
180970078	2011	10	2	14	V	0.01	1.1	5.02	335
180970078	2011	10	2	15	V	0.01	0.8	5.39	325
180970078	2011	10	2	16	V	0.01	0.8	6.23	324
180970078	2011	10	2	17	V	0.01	1.4	6.45	326
180970078	2011	10	2	18	V	0.01	1.9	5.77	320

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	2	19	V	0.01	3.9	4.56	314
180970078	2011	10	2	20	V	0.01	4.2	5.16	325
180970078	2011	10	2	21	V	0.01	6.1	4.43	330
180970078	2011	10	2	22	V	0.01	5	3.2	337
180970078	2011	10	2	23	V	0.03	3.1	2.22	326
180970078	2011	10	2	24	V	0.04	1.7	1.91	332
180970078	2011	10	3	1	V	0.08	1.2	1.42	296
180970078	2011	10	3	2	V	0.03	1.4	1.99	273
180970078	2011	10	3	3	V	0.04	0.9	1.87	275
180970078	2011	10	3	4	V	0.04	1.1	2.11	257
180970078	2011	10	3	5	V	0.04	1.2	1.94	288
180970078	2011	10	3	6	V	0.1	1.4	1.23	296
180970078	2011	10	3	7	V	0.3	2.2	1.84	257
180970078	2011	10	3	8	V	0.3	2.8	3	250
180970078	2011	10	3	9	V	0.6	3.3	1.4	308
180970078	2011	10	3	10	V	0.3	2.6	2.27	332
180970078	2011	10	3	11	V	0.1	1.6	2.23	349
180970078	2011	10	3	12	V	0.2	2.4	1.86	4
180970078	2011	10	3	13	V	0.02	2.1	4.83	333
180970078	2011	10	3	14	V	0.01	1.9	6.18	327
180970078	2011	10	3	15	V	0.01	1.5	5.16	352
180970078	2011	10	3	16	V	0.01	1.3	5.43	321
180970078	2011	10	3	17	V	0.01	1.6	4.8	330
180970078	2011	10	3	18	V	0.01	1.7	3.52	347
180970078	2011	10	3	19	V	0.02	1.5	2.47	341
180970078	2011	10	3	20	V	0.02	1.5	2.55	336
180970078	2011	10	3	21	V	0.01	1.7	3.68	2
180970078	2011	10	3	22	V	0.01	1.6	3.27	13
180970078	2011	10	3	23	V	0.01	1.2	3.49	22
180970078	2011	10	3	24	V	0.02	1.1	2.42	21
180970078	2011	10	4	1	V	0.07	1.2	1.45	3
180970078	2011	10	4	2	V	0.09	1.2	1.42	319
180970078	2011	10	4	3	V	0.06	1.1	1.48	344
180970078	2011	10	4	4	V	0.05	1	1.69	13
180970078	2011	10	4	5	V	0.05	1.3	1.67	22
180970078	2011	10	4	6	V	0.04	1	1.72	25
180970078	2011	10	4	7	V	0.4	1.3	1.42	22
180970078	2011	10	4	8	V	1.6	1.7	0.86	348
180970078	2011	10	4	9	V	0.7	1.9	1.38	31
180970078	2011	10	4	10	V	2.1	1.8	0.63	68
180970078	2011	10	4	11	V	1.3	1.9	0.96	107
180970078	2011	10	4	12	V	0.7	1.6	1.18	70
180970078	2011	10	4	13	V	0.6	1.6	1.2	124
180970078	2011	10	4	14	V	0.4	1.3	1.26	90
180970078	2011	10	4	15	V	0.2	1.3	1.48	285
180970078	2011	10	4	16	V	0.1	1.1	1.31	142

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	4	17	V	0.1	1.4	1.16	156
180970078	2011	10	4	18	V	15.1	1.4	0.63	222
180970078	2011	10	4	19	V	0.7	1.3	0.7	298
180970078	2011	10	4	20	V	1.0	2	0.53	13
180970078	2011	10	4	21	C	-999	1.7	0	0
180970078	2011	10	4	22	V	14.5	2.6	0.62	213
180970078	2011	10	4	23	V	2.5	2.2	0.77	236
180970078	2011	10	4	24	C	-999	2.9	0	0
180970078	2011	10	5	1	C	-999	3	0	0
180970078	2011	10	5	2	C	-999	3	0	0
180970078	2011	10	5	3	C	-999	2.7	0	0
180970078	2011	10	5	4	V	0.07	2.3	1.76	68
180970078	2011	10	5	5	C	-999	2.3	0	0
180970078	2011	10	5	6	C	-999	2.9	0	0
180970078	2011	10	5	7	C	-999	3.4	0	0
180970078	2011	10	5	8	C	-999	3	0	0
180970078	2011	10	5	9	C	-999	3.4	0	0
180970078	2011	10	5	10	V	2.5	15.4	1.19	183
180970078	2011	10	5	11	V	2.5	70.2	1.13	199
180970078	2011	10	5	12	V	1.5	55.6	1.06	194
180970078	2011	10	5	13	V	1.0	37.8	1.2	89
180970078	2011	10	5	14	V	0.4	4.5	1.62	135
180970078	2011	10	5	15	V	0.2	1.5	1.65	126
180970078	2011	10	5	16	V	0.07	1.7	1.59	148
180970078	2011	10	5	17	V	0.09	1.7	1.37	139
180970078	2011	10	5	18	V	0.06	1.6	1.57	108
180970078	2011	10	5	19	V	0.03	2.2	2.1	126
180970078	2011	10	5	20	V	0.02	2.3	2.57	183
180970078	2011	10	5	21	V	15.4	2.6	1.47	216
180970078	2011	10	5	22	V	3.5	3.4	0.77	234
180970078	2011	10	5	23	V	0.2	-999	1.11	101
180970078	2011	10	5	24	V	0.06	-999	1.59	103
180970078	2011	10	6	1	V	0.1	2.3	1.2	120
180970078	2011	10	6	2	V	0.4	2.3	0.82	288
180970078	2011	10	6	3	V	0.05	1.9	1.57	89
180970078	2011	10	6	4	V	0.09	1.8	1.38	59
180970078	2011	10	6	5	V	0.1	1.9	1.2	56
180970078	2011	10	6	6	V	0.05	1.6	1.57	69
180970078	2011	10	6	7	V	0.4	1.4	1.33	43
180970078	2011	10	6	8	V	0.5	1.5	1.38	56
180970078	2011	10	6	9	V	0.2	2.5	2.44	115
180970078	2011	10	6	10	V	0.5	2.8	1.43	141
180970078	2011	10	6	11	V	0.3	2.3	1.63	149
180970078	2011	10	6	12	V	0.08	3	2.56	142
180970078	2011	10	6	13	V	0.05	4.5	2.96	134
180970078	2011	10	6	14	V	0.05	2.9	2.78	132

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	6	15	V	0.02	2.3	3.32	127
180970078	2011	10	6	16	V	0.04	2.5	2.9	129
180970078	2011	10	6	17	V	0.01	3.4	3.12	133
180970078	2011	10	6	18	V	0.01	6.2	2.91	133
180970078	2011	10	6	19	V	0.05	4.1	1.76	136
180970078	2011	10	6	20	V	0.05	3.7	1.72	144
180970078	2011	10	6	21	V	0.03	3	2.13	113
180970078	2011	10	6	22	V	0.02	2.6	2.52	126
180970078	2011	10	6	23	V	0.01	2.6	2.93	133
180970078	2011	10	6	24	V	0.01	2	3.44	130
180970078	2011	10	7	1	V	0.02	1.7	2.69	114
180970078	2011	10	7	2	V	0.02	1.4	2.35	109
180970078	2011	10	7	3	V	0.03	1.9	2.2	107
180970078	2011	10	7	4	V	0.02	1.8	2.74	113
180970078	2011	10	7	5	V	0.03	1.5	2.05	122
180970078	2011	10	7	6	V	0.03	1.2	2.13	107
180970078	2011	10	7	7	V	0.2	0.9	1.99	84
180970078	2011	10	7	8	V	0.4	1.2	1.72	85
180970078	2011	10	7	9	V	0.2	3.4	2.3	116
180970078	2011	10	7	10	V	0.2	3.6	2.44	122
180970078	2011	10	7	11	V	0.3	2.9	1.77	136
180970078	2011	10	7	12	V	0.3	2.2	1.67	123
180970078	2011	10	7	13	V	0.2	1.6	1.74	138
180970078	2011	10	7	14	V	0.2	1.4	1.67	121
180970078	2011	10	7	15	V	0.06	1.3	2.32	141
180970078	2011	10	7	16	V	0.01	1.2	2.88	129
180970078	2011	10	7	17	V	0.01	1.4	3.49	136
180970078	2011	10	7	18	V	0.02	2.6	2.57	167
180970078	2011	10	7	19	V	0.02	3.1	2.33	154
180970078	2011	10	7	20	V	0.01	3.1	3.05	137
180970078	2011	10	7	21	V	0.02	2.6	2.4	139
180970078	2011	10	7	22	V	0.01	2.4	2.93	131
180970078	2011	10	7	23	V	0.01	2	3.17	128
180970078	2011	10	7	24	V	0.01	1.9	3.34	128
180970078	2011	10	8	1	V	0.01	2.3	3.4	126
180970078	2011	10	8	2	V	0.01	2.6	3.37	130
180970078	2011	10	8	3	V	0.01	2.5	3.34	135
180970078	2011	10	8	4	V	0.01	2.4	3.05	127
180970078	2011	10	8	5	V	0.03	1.7	1.96	122
180970078	2011	10	8	6	V	0.05	1.1	1.55	107
180970078	2011	10	8	7	V	0.2	1	1.77	112
180970078	2011	10	8	8	V	0.3	0.9	1.84	109
180970078	2011	10	8	9	V	0.2	2.5	2.52	141
180970078	2011	10	8	10	V	0.1	2.8	2.78	175
180970078	2011	10	8	11	V	1.4	4	3.2	200
180970078	2011	10	8	12	V	2.4	7.5	2.76	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	8	13	V	1.7	9.9	3.17	204
180970078	2011	10	8	14	V	0.08	5.4	2.44	179
180970078	2011	10	8	15	V	0.03	2.2	2.91	159
180970078	2011	10	8	16	V	0.03	2	3.22	180
180970078	2011	10	8	17	V	0.01	1.7	3.56	160
180970078	2011	10	8	18	V	0.01	1.6	3.08	165
180970078	2011	10	8	19	V	0.01	1.9	2.95	153
180970078	2011	10	8	20	V	0.01	2.1	3.13	157
180970078	2011	10	8	21	V	0.02	2.4	2.74	151
180970078	2011	10	8	22	V	0.04	2.9	1.99	139
180970078	2011	10	8	23	V	0.05	2.4	1.79	99
180970078	2011	10	8	24	V	0.03	1.9	2.16	116
180970078	2011	10	9	1	V	0.05	1.3	1.57	82
180970078	2011	10	9	2	V	0.05	1.4	1.6	99
180970078	2011	10	9	3	V	0.3	1.3	0.92	81
180970078	2011	10	9	4	V	0.2	1	1.02	78
180970078	2011	10	9	5	V	0.05	0.9	1.6	68
180970078	2011	10	9	6	V	0.05	1.2	1.53	61
180970078	2011	10	9	7	V	0.1	1	2.16	44
180970078	2011	10	9	8	V	0.4	0.9	1.48	19
180970078	2011	10	9	9	V	0.4	1.6	1.79	64
180970078	2011	10	9	10	V	0.1	3.2	2.18	87
180970078	2011	10	9	11	V	0.1	2.9	2.08	88
180970078	2011	10	9	12	V	0.07	2.2	2.27	84
180970078	2011	10	9	13	V	0.03	1.9	3.15	95
180970078	2011	10	9	14	V	0.01	3.5	3.9	88
180970078	2011	10	9	15	V	0.01	2.6	3.78	89
180970078	2011	10	9	16	V	0.03	2.9	3.97	91
180970078	2011	10	9	17	V	0.02	2.7	4.36	90
180970078	2011	10	9	18	V	0.02	2.3	3.47	90
180970078	2011	10	9	19	V	0.02	1.8	3.59	108
180970078	2011	10	9	20	V	0.02	1.4	4.19	120
180970078	2011	10	9	21	V	0.02	2.3	4.02	114
180970078	2011	10	9	22	V	0.02	2.2	3.47	110
180970078	2011	10	9	23	V	0.02	2	3.61	114
180970078	2011	10	9	24	V	0.02	1.7	2.47	102
180970078	2011	10	10	1	V	0.02	1.9	2.32	106
180970078	2011	10	10	2	V	0.04	3.5	1.76	103
180970078	2011	10	10	3	V	0.03	2.9	2.06	99
180970078	2011	10	10	4	V	0.04	1.7	1.77	71
180970078	2011	10	10	5	V	0.05	1.2	1.64	81
180970078	2011	10	10	6	V	0.03	1.6	2.01	86
180970078	2011	10	10	7	V	0.2	2.4	1.98	85
180970078	2011	10	10	8	V	0.1	3.7	2.62	108
180970078	2011	10	10	9	V	0.2	5.3	2.37	116
180970078	2011	10	10	10	V	0.08	4.1	3.59	122

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	10	11	V	0.3	3.5	1.82	125
180970078	2011	10	10	12	V	0.07	2.6	3.12	123
180970078	2011	10	10	13	V	0.06	1.9	3	129
180970078	2011	10	10	14	V	0.04	1.5	3.18	120
180970078	2011	10	10	15	V	0.02	1.5	2.98	160
180970078	2011	10	10	16	V	0.01	2.5	1.62	168
180970078	2011	10	10	17	V	0.02	1.3	2.64	123
180970078	2011	10	10	18	V	0.02	1.4	2.61	134
180970078	2011	10	10	19	V	0.2	1.5	1.03	124
180970078	2011	10	10	20	V	0.2	2.3	1.14	121
180970078	2011	10	10	21	V	0.06	2.7	1.67	121
180970078	2011	10	10	22	V	0.06	3.3	1.59	98
180970078	2011	10	10	23	V	0.09	2.8	1.33	86
180970078	2011	10	10	24	V	0.02	3	2.33	101
180970078	2011	10	11	1	V	0.01	4	2.98	112
180970078	2011	10	11	2	V	0.02	4.3	2.71	105
180970078	2011	10	11	3	V	0.08	3.9	1.48	61
180970078	2011	10	11	4	V	0.07	1.8	1.76	53
180970078	2011	10	11	5	V	0.06	1.7	2.04	62
180970078	2011	10	11	6	V	0.05	1	2.22	60
180970078	2011	10	11	7	V	0.4	1	2.05	63
180970078	2011	10	11	8	V	0.6	1.5	1.96	63
180970078	2011	10	11	9	V	0.6	6.5	2.27	101
180970078	2011	10	11	10	V	0.2	8.1	2.71	125
180970078	2011	10	11	11	V	0.5	5.7	1.79	116
180970078	2011	10	11	12	V	0.4	4	1.88	125
180970078	2011	10	11	13	V	0.09	4.1	3.22	121
180970078	2011	10	11	14	V	0.02	5.8	4.77	132
180970078	2011	10	11	15	V	0.01	5.1	5.85	145
180970078	2011	10	11	16	V	0.01	3.8	5.61	143
180970078	2011	10	11	17	V	0.02	2.1	5.43	138
180970078	2011	10	11	18	V	0.03	1.7	3.52	129
180970078	2011	10	11	19	V	0.03	2.8	2.5	169
180970078	2011	10	11	20	V	0.06	3.3	1.91	126
180970078	2011	10	11	21	V	0.2	3.7	1.21	138
180970078	2011	10	11	22	V	0.8	2.9	0.74	174
180970078	2011	10	11	23	V	0.08	3.2	1.64	135
180970078	2011	10	11	24	V	0.2	3.3	1.21	131
180970078	2011	10	12	1	V	0.03	2.6	2.2	126
180970078	2011	10	12	2	V	0.1	2.3	1.43	73
180970078	2011	10	12	3	V	0.04	2.7	2.1	100
180970078	2011	10	12	4	V	0.03	3.6	2.18	110
180970078	2011	10	12	5	V	0.03	3.4	2.47	119
180970078	2011	10	12	6	V	0.03	2.2	2.45	136
180970078	2011	10	12	7	V	0.08	1.6	3.08	118
180970078	2011	10	12	8	V	0.1	1.8	2.98	138

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	12	9	V	0.1	1.9	3.13	122
180970078	2011	10	12	10	V	0.1	1.9	3.34	126
180970078	2011	10	12	11	V	0.1	6.2	3.52	115
180970078	2011	10	12	12	V	0.1	6.5	3.2	128
180970078	2011	10	12	13	V	0.2	6.1	2.96	127
180970078	2011	10	12	14	V	0.07	6.3	3.71	138
180970078	2011	10	12	15	V	0.05	4.9	3.8	136
180970078	2011	10	12	16	V	0.05	4.5	3.93	117
180970078	2011	10	12	17	V	0.03	4.3	3.41	114
180970078	2011	10	12	18	V	0.04	4.2	3.88	118
180970078	2011	10	12	19	V	0.04	3.2	3.08	120
180970078	2011	10	12	20	V	0.05	2.9	2.69	112
180970078	2011	10	12	21	V	0.05	2.8	3.4	116
180970078	2011	10	12	22	V	0.04	2.5	3.37	122
180970078	2011	10	12	23	V	0.04	-999	3.98	140
180970078	2011	10	12	24	V	0.04	-999	3.93	137
180970078	2011	10	13	1	V	0.04	1.8	3.17	135
180970078	2011	10	13	2	V	0.04	1.4	3.37	145
180970078	2011	10	13	3	V	0.04	1.1	2.42	147
180970078	2011	10	13	4	V	0.05	1.4	2.13	113
180970078	2011	10	13	5	V	0.04	1.1	2.52	112
180970078	2011	10	13	6	V	0.06	1.1	2.22	113
180970078	2011	10	13	7	V	0.2	1.7	2.5	117
180970078	2011	10	13	8	V	0.4	0.9	2.4	119
180970078	2011	10	13	9	V	0.4	1.4	2.47	132
180970078	2011	10	13	10	V	0.2	2	2.88	95
180970078	2011	10	13	11	V	0.1	1.7	3.18	97
180970078	2011	10	13	12	V	0.2	2	2.42	109
180970078	2011	10	13	13	V	1.6	2	2.37	195
180970078	2011	10	13	14	V	0.03	1.9	4.92	182
180970078	2011	10	13	15	V	16.0	1.3	3.73	215
180970078	2011	10	13	16	V	0.2	4.3	3.42	237
180970078	2011	10	13	17	V	0.2	2.7	4.39	255
180970078	2011	10	13	18	V	0.09	1.6	4.51	258
180970078	2011	10	13	19	V	0.1	1.3	3.98	239
180970078	2011	10	13	20	V	0.1	1.6	6.65	256
180970078	2011	10	13	21	V	0.04	1.2	6.94	297
180970078	2011	10	13	22	V	0.04	1.1	5.31	281
180970078	2011	10	13	23	V	0.07	1.2	4.32	258
180970078	2011	10	13	24	V	0.04	0.9	6.21	261
180970078	2011	10	14	1	V	0.02	1.1	7.37	278
180970078	2011	10	14	2	V	0.03	0.9	6.14	273
180970078	2011	10	14	3	V	0.03	1.1	6.77	272
180970078	2011	10	14	4	V	0.03	1.1	6.65	274
180970078	2011	10	14	5	V	0.04	1.2	5.44	262
180970078	2011	10	14	6	V	0.1	0.9	5.33	256

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	14	7	V	0.07	1.1	5.6	254
180970078	2011	10	14	8	V	0.07	1	5.79	254
180970078	2011	10	14	9	V	0.06	1.9	6.31	253
180970078	2011	10	14	10	V	0.06	2.2	6.31	253
180970078	2011	10	14	11	V	0.05	1.7	7.04	249
180970078	2011	10	14	12	V	0.01	2.1	8.56	261
180970078	2011	10	14	13	V	0.01	1.7	9.92	269
180970078	2011	10	14	14	V	0.01	1.7	9.24	273
180970078	2011	10	14	15	V	0.01	1.3	9.87	270
180970078	2011	10	14	16	V	0.04	1.2	9.37	267
180970078	2011	10	14	17	V	0.03	1.2	9.17	271
180970078	2011	10	14	18	V	0.04	1.4	9.75	269
180970078	2011	10	14	19	V	0.04	1.3	8.13	268
180970078	2011	10	14	20	V	0.03	1.2	6.63	270
180970078	2011	10	14	21	V	0.03	1	6.18	270
180970078	2011	10	14	22	V	0.03	0.9	6.26	267
180970078	2011	10	14	23	V	0.02	0.9	6.72	269
180970078	2011	10	14	24	V	0.03	1.2	6.58	263
180970078	2011	10	15	1	V	0.03	1.3	7.35	262
180970078	2011	10	15	2	V	0.05	1.1	7.4	259
180970078	2011	10	15	3	V	0.04	1.4	7.46	261
180970078	2011	10	15	4	V	0.1	1.5	5.96	254
180970078	2011	10	15	5	V	0.1	1.6	5.96	241
180970078	2011	10	15	6	V	0.2	1.5	7.46	247
180970078	2011	10	15	7	V	0.03	1.7	6.46	255
180970078	2011	10	15	8	V	0.03	1.7	7.96	251
180970078	2011	10	15	9	V	0.01	1.8	10.06	258
180970078	2011	10	15	10	V	0.01	1.5	10.06	261
180970078	2011	10	15	11	V	0.01	1.7	9.06	265
180970078	2011	10	15	12	V	0.01	1.4	9.81	268
180970078	2011	10	15	13	V	0.01	1.2	10.24	264
180970078	2011	10	15	14	V	0.01	1.3	10.61	265
180970078	2011	10	15	15	V	0.01	1.2	10.53	262
180970078	2011	10	15	16	V	0.04	1.6	10.8	269
180970078	2011	10	15	17	V	0.04	1	9.24	261
180970078	2011	10	15	18	V	0.04	1.4	7.98	263
180970078	2011	10	15	19	V	0.2	1.2	5.67	252
180970078	2011	10	15	20	V	0.2	1.4	4.8	243
180970078	2011	10	15	21	V	1.6	1.3	4.36	229
180970078	2011	10	15	22	V	1.1	5.4	4.76	230
180970078	2011	10	15	23	V	0.09	2	4.83	238
180970078	2011	10	15	24	V	0.1	1.3	4.22	236
180970078	2011	10	16	1	V	0.9	2.7	4.56	232
180970078	2011	10	16	2	V	2.4	2.7	4.49	229
180970078	2011	10	16	3	V	9.1	2.8	4.56	222
180970078	2011	10	16	4	V	4.5	2.2	4.32	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	16	5	V	0.02	2.2	4.76	197
180970078	2011	10	16	6	V	0.01	3	3.75	188
180970078	2011	10	16	7	V	0.04	2.7	4	189
180970078	2011	10	16	8	V	1.6	2.7	4.97	205
180970078	2011	10	16	9	V	1.1	2.8	7.94	227
180970078	2011	10	16	10	V	0.7	2.9	8.27	229
180970078	2011	10	16	11	V	0.02	2.4	9.56	239
180970078	2011	10	16	12	V	0.02	2.5	9.92	238
180970078	2011	10	16	13	V	0.02	2.1	9.66	245
180970078	2011	10	16	14	V	0.02	3.9	10.09	248
180970078	2011	10	16	15	V	0.01	3.8	9.24	254
180970078	2011	10	16	16	V	0.01	4	8.5	267
180970078	2011	10	16	17	V	0.01	2.1	8.78	294
180970078	2011	10	16	18	V	0.01	1.9	7.88	310
180970078	2011	10	16	19	V	0.01	1.4	5.34	300
180970078	2011	10	16	20	V	0.02	1.2	4.27	292
180970078	2011	10	16	21	V	0.01	0.9	5.43	301
180970078	2011	10	16	22	V	0.02	1.3	4.58	298
180970078	2011	10	16	23	V	0.02	0.9	3.91	292
180970078	2011	10	16	24	V	0.01	1.2	3.34	274
180970078	2011	10	17	1	V	0.3	1.2	3.69	247
180970078	2011	10	17	2	V	0.3	1.1	3.68	248
180970078	2011	10	17	3	V	0.2	1.2	3.58	244
180970078	2011	10	17	4	V	0.06	0.9	3.85	239
180970078	2011	10	17	5	V	0.3	1.2	3.76	245
180970078	2011	10	17	6	V	0.1	1.2	3.92	241
180970078	2011	10	17	7	V	0.2	1.5	3.8	249
180970078	2011	10	17	8	V	0.2	1.5	3.47	252
180970078	2011	10	17	9	V	0.07	2	4.29	258
180970078	2011	10	17	10	V	0.1	1.3	4.2	242
180970078	2011	10	17	11	V	0.1	1.3	4.49	249
180970078	2011	10	17	12	V	0.04	1.5	4.75	256
180970078	2011	10	17	13	V	0.06	1	6.04	250
180970078	2011	10	17	14	V	0.01	1.7	6.7	257
180970078	2011	10	17	15	V	0.01	1.4	5.22	271
180970078	2011	10	17	16	V	0.02	1.6	4.94	271
180970078	2011	10	17	17	V	0.02	1.6	4.15	277
180970078	2011	10	17	18	V	0.02	1	3.9	263
180970078	2011	10	17	19	V	0.3	1.4	4.61	248
180970078	2011	10	17	20	V	0.2	1.7	4.37	254
180970078	2011	10	17	21	V	0.05	1.3	4.2	259
180970078	2011	10	17	22	V	0.02	1.3	4.34	269
180970078	2011	10	17	23	V	0.01	1.1	3.2	293
180970078	2011	10	17	24	V	0.02	1	3.88	306
180970078	2011	10	18	1	V	0.01	1.4	4.66	321
180970078	2011	10	18	2	V	0.02	1.2	4.2	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	18	3	V	0.02	1.1	3.1	334
180970078	2011	10	18	4	V	0.06	0.9	1.35	328
180970078	2011	10	18	5	V	0.06	1.3	2.54	238
180970078	2011	10	18	6	V	0.02	1	2.93	263
180970078	2011	10	18	7	V	0.05	1.1	2.71	274
180970078	2011	10	18	8	V	0.1	1.1	2.16	326
180970078	2011	10	18	9	V	0.08	0.8	3.01	351
180970078	2011	10	18	10	V	0.08	1	3.08	340
180970078	2011	10	18	11	V	0.07	1	3.42	1
180970078	2011	10	18	12	V	0.1	0.9	2.66	26
180970078	2011	10	18	13	V	0.07	0.7	3.3	12
180970078	2011	10	18	14	V	0.04	1	3.85	357
180970078	2011	10	18	15	V	0.04	1	3.44	356
180970078	2011	10	18	16	V	0.02	0.8	3.85	339
180970078	2011	10	18	17	V	0.02	0.7	4.63	359
180970078	2011	10	18	18	V	0.01	0.7	5.73	4
180970078	2011	10	18	19	V	0.01	1	5.96	2
180970078	2011	10	18	20	V	0.01	1	5.97	7
180970078	2011	10	18	21	V	0.02	0.7	4.44	8
180970078	2011	10	18	22	V	0.02	0.9	4.99	9
180970078	2011	10	18	23	V	0.01	0.9	5.27	11
180970078	2011	10	18	24	V	0.01	0.9	5.51	6
180970078	2011	10	19	1	V	0.02	0.7	4.61	346
180970078	2011	10	19	2	V	0.01	0.9	6.31	12
180970078	2011	10	19	3	V	0.01	1	6.01	1
180970078	2011	10	19	4	V	0.01	1	6.28	1
180970078	2011	10	19	5	V	0.01	1.1	6.26	358
180970078	2011	10	19	6	V	0.01	1.2	6.33	3
180970078	2011	10	19	7	V	0.01	1.1	6.18	357
180970078	2011	10	19	8	V	0.01	1.2	6.26	358
180970078	2011	10	19	9	V	0.01	1	6.16	353
180970078	2011	10	19	10	V	0.01	1.1	6.65	353
180970078	2011	10	19	11	V	0.01	0.9	6.65	354
180970078	2011	10	19	12	V	0.005	0.8	7.09	356
180970078	2011	10	19	13	V	0.004	0.8	7.55	352
180970078	2011	10	19	14	V	0.004	1.2	7.48	349
180970078	2011	10	19	15	V	0.004	1.4	7.64	340
180970078	2011	10	19	16	V	0.01	0.9	7.67	336
180970078	2011	10	19	17	V	0.01	1	7.3	327
180970078	2011	10	19	18	V	0.01	0.9	7.01	315
180970078	2011	10	19	19	V	0.01	0.9	6.26	309
180970078	2011	10	19	20	V	0.01	0.7	6.07	302
180970078	2011	10	19	21	V	0.01	1	6.7	303
180970078	2011	10	19	22	V	0.01	0.9	7.04	308
180970078	2011	10	19	23	V	0.01	-999	7.89	312
180970078	2011	10	19	24	V	0.01	-999	7.81	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	20	1	V	0.01	0.8	8.15	315
180970078	2011	10	20	2	V	0.01	1	7.79	309
180970078	2011	10	20	3	V	0.01	0.7	8.91	305
180970078	2011	10	20	4	V	0.02	1.2	9.58	304
180970078	2011	10	20	5	V	0.02	1	8.79	292
180970078	2011	10	20	6	V	0.02	0.8	10.34	287
180970078	2011	10	20	7	V	0.004	1	11.58	284
180970078	2011	10	20	8	V	0.004	1	11.77	284
180970078	2011	10	20	9	V	0.004	1.1	11.48	281
180970078	2011	10	20	10	V	0.005	1.1	11.48	279
180970078	2011	10	20	11	V	0.005	1	11.02	278
180970078	2011	10	20	12	V	0.01	0.7	10.39	274
180970078	2011	10	20	13	V	0.01	1	10.39	273
180970078	2011	10	20	14	V	0.01	1.1	9.88	272
180970078	2011	10	20	15	V	0.01	0.3	9.27	267
180970078	2011	10	20	16	V	0.02	0.6	8.86	266
180970078	2011	10	20	17	V	0.03	1.2	8.52	265
180970078	2011	10	20	18	V	0.07	1.1	7.2	258
180970078	2011	10	20	19	V	0.1	0.8	7.88	255
180970078	2011	10	20	20	V	0.08	1.3	6.92	257
180970078	2011	10	20	21	V	0.2	0.9	6.18	253
180970078	2011	10	20	22	V	0.1	1	5.75	254
180970078	2011	10	20	23	V	0.2	1	5.38	252
180970078	2011	10	20	24	V	0.2	1	4.83	247
180970078	2011	10	21	1	V	0.2	0.9	4.27	243
180970078	2011	10	21	2	V	0.3	1.1	4.29	246
180970078	2011	10	21	3	V	0.2	1.4	3.86	244
180970078	2011	10	21	4	V	0.3	1.4	3.56	248
180970078	2011	10	21	5	V	0.08	1.5	4.12	238
180970078	2011	10	21	6	V	0.09	1.7	3.35	241
180970078	2011	10	21	7	V	6.6	2.3	2.91	228
180970078	2011	10	21	8	V	1.0	2.5	3.12	239
180970078	2011	10	21	9	V	0.2	3.5	3.83	256
180970078	2011	10	21	10	V	0.2	2.9	3.18	264
180970078	2011	10	21	11	V	0.1	2.8	3.78	276
180970078	2011	10	21	12	V	0.03	1.4	5.77	285
180970078	2011	10	21	13	V	0.03	1.9	5.77	293
180970078	2011	10	21	14	V	0.02	2	5.55	285
180970078	2011	10	21	15	V	0.02	1.8	4.87	288
180970078	2011	10	21	16	V	0.03	1.4	4.8	278
180970078	2011	10	21	17	V	0.02	1.2	4.46	276
180970078	2011	10	21	18	V	0.02	1	3.54	265
180970078	2011	10	21	19	V	0.04	1.4	2.62	268
180970078	2011	10	21	20	V	0.06	2.5	2.1	266
180970078	2011	10	21	21	V	0.3	3	1.99	253
180970078	2011	10	21	22	V	0.1	3.3	1.7	265

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	21	23	V	0.1	3.6	1.88	242
180970078	2011	10	21	24	V	0.6	4.4	1.99	248
180970078	2011	10	22	1	V	2.2	5.1	1.47	231
180970078	2011	10	22	2	V	0.1	4.9	1.98	242
180970078	2011	10	22	3	V	21.4	4.4	1.57	217
180970078	2011	10	22	4	V	13.7	3.9	1.6	222
180970078	2011	10	22	5	V	8.6	2.9	1.59	225
180970078	2011	10	22	6	V	18.1	2.5	1.76	220
180970078	2011	10	22	7	V	19.9	2	1.62	216
180970078	2011	10	22	8	V	22.2	2.5	1.54	210
180970078	2011	10	22	9	V	21.5	2.9	1.45	213
180970078	2011	10	22	10	V	17.2	5.9	2.23	222
180970078	2011	10	22	11	V	18.3	9.1	2.61	221
180970078	2011	10	22	12	V	1.6	14.8	3.46	234
180970078	2011	10	22	13	V	0.1	6.4	4	248
180970078	2011	10	22	14	V	0.8	1.6	3.81	234
180970078	2011	10	22	15	V	0.3	2	3.49	237
180970078	2011	10	22	16	V	1.0	2	3.1	230
180970078	2011	10	22	17	V	0.05	2.7	2.76	241
180970078	2011	10	22	18	V	25.0	2.3	2.35	213
180970078	2011	10	22	19	V	0.03	2.6	2.74	176
180970078	2011	10	22	20	V	0.02	3.3	3.15	181
180970078	2011	10	22	21	V	0.04	3.7	2.35	185
180970078	2011	10	22	22	V	0.03	3.3	2.79	162
180970078	2011	10	22	23	V	0.02	2.5	3.18	165
180970078	2011	10	22	24	V	0.02	2.4	2.59	159
180970078	2011	10	23	1	V	0.01	2	2.83	163
180970078	2011	10	23	2	V	0.02	1.7	2.47	192
180970078	2011	10	23	3	V	0.03	1.4	1.86	176
180970078	2011	10	23	4	V	0.09	1.6	1.3	169
180970078	2011	10	23	5	V	0.03	1.5	2.16	139
180970078	2011	10	23	6	V	0.02	1.6	2.4	136
180970078	2011	10	23	7	V	0.04	2.7	2.4	135
180970078	2011	10	23	8	V	0.1	2.9	2.13	156
180970078	2011	10	23	9	V	0.09	3.2	2.57	169
180970078	2011	10	23	10	V	4.9	4.3	3.83	209
180970078	2011	10	23	11	V	3.2	5.5	4.71	227
180970078	2011	10	23	12	V	3.0	3.9	4.78	227
180970078	2011	10	23	13	V	1.0	4.3	3.81	236
180970078	2011	10	23	14	V	0.5	3.7	4.31	233
180970078	2011	10	23	15	V	0.8	1.6	5.27	229
180970078	2011	10	23	16	V	0.5	2	3.3	233
180970078	2011	10	23	17	V	0.3	2.1	3.56	252
180970078	2011	10	23	18	V	0.02	2.3	3.1	188
180970078	2011	10	23	19	V	0.02	1.7	2.57	183
180970078	2011	10	23	20	V	0.01	1.7	3.59	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	23	21	V	0.02	1.8	3.78	197
180970078	2011	10	23	22	V	0.1	2	4.78	200
180970078	2011	10	23	23	V	1.2	3.2	4.63	206
180970078	2011	10	23	24	V	3.4	3.8	4.65	210
180970078	2011	10	24	1	V	7.7	4.7	4.73	215
180970078	2011	10	24	2	V	7.1	7.5	5.11	215
180970078	2011	10	24	3	V	6.6	7.1	5.22	214
180970078	2011	10	24	4	V	7.3	7.9	6.67	220
180970078	2011	10	24	5	V	0.2	4.3	5.77	252
180970078	2011	10	24	6	V	9.8	1.6	4.73	219
180970078	2011	10	24	7	V	5.8	6.6	4.7	220
180970078	2011	10	24	8	V	0.3	5.2	5.41	235
180970078	2011	10	24	9	V	0.04	3.8	5.5	256
180970078	2011	10	24	10	V	0.01	2.6	5.72	286
180970078	2011	10	24	11	V	0.01	1.9	6.23	295
180970078	2011	10	24	12	V	0.01	1.2	6.33	309
180970078	2011	10	24	13	V	0.01	1.3	6.18	309
180970078	2011	10	24	14	V	0.01	1.5	5.85	311
180970078	2011	10	24	15	V	0.01	1	6.16	320
180970078	2011	10	24	16	V	0.01	1.4	5.6	313
180970078	2011	10	24	17	V	0.01	2.1	4.53	311
180970078	2011	10	24	18	V	0.01	2.2	3.27	312
180970078	2011	10	24	19	V	0.05	2	1.64	297
180970078	2011	10	24	20	V	0.1	2.3	1.25	258
180970078	2011	10	24	21	V	0.9	2.8	1.18	199
180970078	2011	10	24	22	V	3.4	3.8	1.42	205
180970078	2011	10	24	23	V	11.5	4.1	1.42	212
180970078	2011	10	24	24	V	12.6	4	1.35	223
180970078	2011	10	25	1	V	0.07	3.8	1.48	181
180970078	2011	10	25	2	V	0.05	3.5	1.67	187
180970078	2011	10	25	3	V	13.2	3.2	1.76	216
180970078	2011	10	25	4	V	0.04	3	1.77	180
180970078	2011	10	25	5	V	0.02	2.6	2.59	141
180970078	2011	10	25	6	V	0.02	2.7	2.74	149
180970078	2011	10	25	7	V	0.04	1.6	3.63	146
180970078	2011	10	25	8	V	0.1	1.4	2.64	145
180970078	2011	10	25	9	V	0.06	3.2	3.63	154
180970078	2011	10	25	10	V	0.03	4.4	4.51	169
180970078	2011	10	25	11	V	0.01	4.3	5.84	171
180970078	2011	10	25	12	V	0.01	4.9	6.91	180
180970078	2011	10	25	13	V	0.005	6.8	8.11	190
180970078	2011	10	25	14	V	0.004	4.6	7.91	186
180970078	2011	10	25	15	V	0.004	3.6	7.72	181
180970078	2011	10	25	16	V	0.01	5	7.28	192
180970078	2011	10	25	17	V	0.3	5.5	8.69	201
180970078	2011	10	25	18	V	0.01	3.2	6.48	191

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	25	19	V	0.01	3.6	7.25	177
180970078	2011	10	25	20	V	0.01	4.4	6.14	187
180970078	2011	10	25	21	V	0.01	4.7	6.84	187
180970078	2011	10	25	22	V	0.2	3.8	7.25	201
180970078	2011	10	25	23	V	0.2	4	6.8	201
180970078	2011	10	25	24	V	0.4	6.4	6.14	202
180970078	2011	10	26	1	V	2.2	8.9	7.21	208
180970078	2011	10	26	2	V	7.1	4.9	10.24	222
180970078	2011	10	26	3	V	7.1	3.2	8.35	218
180970078	2011	10	26	4	V	4.6	3	7.72	225
180970078	2011	10	26	5	V	3.9	2.7	7.35	226
180970078	2011	10	26	6	V	3.3	2.7	7.11	227
180970078	2011	10	26	7	V	1.1	2.4	6.7	228
180970078	2011	10	26	8	V	0.7	2.6	5.21	231
180970078	2011	10	26	9	V	0.4	2.9	5.75	233
180970078	2011	10	26	10	V	0.2	2.7	6.82	234
180970078	2011	10	26	11	V	0.1	3.1	7.5	235
180970078	2011	10	26	12	V	0.04	3.1	7.54	236
180970078	2011	10	26	13	V	0.02	3	7.28	241
180970078	2011	10	26	14	V	0.05	4.2	6.6	251
180970078	2011	10	26	15	V	0.004	3.8	7.11	285
180970078	2011	10	26	16	V	0.01	2.7	6.53	315
180970078	2011	10	26	17	V	0.01	2	5.68	319
180970078	2011	10	26	18	V	0.02	2.8	4.88	318
180970078	2011	10	26	19	V	0.01	2.2	6.41	320
180970078	2011	10	26	20	V	0.01	1.2	5.48	322
180970078	2011	10	26	21	V	0.02	0.9	3.93	316
180970078	2011	10	26	22	V	0.02	1.1	4.71	332
180970078	2011	10	26	23	V	0.02	-999	4.27	334
180970078	2011	10	26	24	V	0.02	-999	5.24	333
180970078	2011	10	27	1	V	0.02	1.2	4.6	335
180970078	2011	10	27	2	V	0.02	1	3.93	339
180970078	2011	10	27	3	V	0.02	0.8	4.12	352
180970078	2011	10	27	4	V	0.02	1	4.19	344
180970078	2011	10	27	5	V	0.03	0.7	4.71	352
180970078	2011	10	27	6	V	0.03	1.1	4.75	357
180970078	2011	10	27	7	V	0.04	0.7	4.71	356
180970078	2011	10	27	8	V	0.05	0.7	4.12	355
180970078	2011	10	27	9	V	0.04	0.9	4.77	344
180970078	2011	10	27	10	V	0.07	0.8	4.17	359
180970078	2011	10	27	11	V	0.02	1.1	6.33	354
180970078	2011	10	27	12	V	0.02	0.8	5.53	357
180970078	2011	10	27	13	V	0.01	0.8	6.28	341
180970078	2011	10	27	14	V	0.01	0.7	6.89	337
180970078	2011	10	27	15	V	0.04	1.2	6.21	336
180970078	2011	10	27	16	V	0.03	0.8	4.87	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	27	17	V	0.03	0.9	3.95	347
180970078	2011	10	27	18	V	0.03	1.2	4.51	335
180970078	2011	10	27	19	V	0.03	1.1	4.75	357
180970078	2011	10	27	20	V	0.07	1	1.7	67
180970078	2011	10	27	21	V	0.2	1.3	1.18	158
180970078	2011	10	27	22	V	0.08	1.3	1.85	193
180970078	2011	10	27	23	V	0.08	1.8	1.76	293
180970078	2011	10	27	24	V	0.02	1.6	3.36	330
180970078	2011	10	28	1	V	0.02	1.8	2.69	332
180970078	2011	10	28	2	V	0.06	1.6	1.89	326
180970078	2011	10	28	3	V	0.1	1.2	1.48	7
180970078	2011	10	28	4	V	0.06	0.9	1.74	358
180970078	2011	10	28	5	V	0.06	0.9	1.81	13
180970078	2011	10	28	6	V	0.03	0.7	2.52	25
180970078	2011	10	28	7	V	0.1	1	2.95	36
180970078	2011	10	28	8	V	0.2	1.4	2.39	45
180970078	2011	10	28	9	V	0.4	1.3	1.93	42
180970078	2011	10	28	10	V	0.4	1.2	2.25	49
180970078	2011	10	28	11	V	0.3	1.4	2.32	84
180970078	2011	10	28	12	V	0.1	1.2	2.54	86
180970078	2011	10	28	13	V	0.2	1	2.1	48
180970078	2011	10	28	14	V	0.1	1.2	2.2	19
180970078	2011	10	28	15	V	0.09	1	1.4	88
180970078	2011	10	28	16	V	0.09	1	1.65	21
180970078	2011	10	28	17	V	0.09	1.1	1.64	52
180970078	2011	10	28	18	V	0.1	1.1	1.54	42
180970078	2011	10	28	19	V	0.2	1.6	1.42	42
180970078	2011	10	28	20	V	0.1	2.7	1.45	93
180970078	2011	10	28	21	V	0.05	2.7	2.01	152
180970078	2011	10	28	22	V	0.03	3	3.18	185
180970078	2011	10	28	23	V	0.03	1.6	3.07	190
180970078	2011	10	28	24	V	0.02	1.1	3.44	190
180970078	2011	10	29	1	V	0.7	1.4	2.2	202
180970078	2011	10	29	2	V	0.06	1.1	1.99	195
180970078	2011	10	29	3	V	5.8	1.3	1.87	206
180970078	2011	10	29	4	V	11.4	1	2.32	223
180970078	2011	10	29	5	V	13.9	1.4	2.04	222
180970078	2011	10	29	6	V	4.5	1.4	1.79	227
180970078	2011	10	29	7	V	3.9	1.5	2.28	198
180970078	2011	10	29	8	V	20.4	2	2.08	212
180970078	2011	10	29	9	V	14.3	4.2	2.95	223
180970078	2011	10	29	10	V	0.2	3.8	3.57	251
180970078	2011	10	29	11	V	0.1	2.7	3.58	254
180970078	2011	10	29	12	V	0.03	1.9	4.8	259
180970078	2011	10	29	13	V	0.01	1.2	5.62	280
180970078	2011	10	29	14	V	0.01	1.1	6.38	280

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	29	15	V	0.01	1.3	6.41	269
180970078	2011	10	29	16	V	0.02	1.8	7.57	272
180970078	2011	10	29	17	V	0.02	1.4	6.81	284
180970078	2011	10	29	18	V	0.02	1.3	5.27	285
180970078	2011	10	29	19	V	0.02	1.5	4.08	279
180970078	2011	10	29	20	V	0.03	1.6	2.84	284
180970078	2011	10	29	21	V	0.03	1.8	2.89	290
180970078	2011	10	29	22	V	0.05	1.7	2.05	293
180970078	2011	10	29	23	V	0.07	2.1	1.54	275
180970078	2011	10	29	24	V	0.2	2	1.64	253
180970078	2011	10	30	1	V	4.8	2.5	1.4	208
180970078	2011	10	30	2	V	3.3	3	0.94	233
180970078	2011	10	30	3	V	0.1	3.8	1.3	117
180970078	2011	10	30	4	V	0.5	3.2	1.67	234
180970078	2011	10	30	5	V	1.6	3	1.87	230
180970078	2011	10	30	6	V	0.07	2.8	1.38	157
180970078	2011	10	30	7	V	0.2	2.6	1.65	130
180970078	2011	10	30	8	V	0.2	2.5	1.86	137
180970078	2011	10	30	9	V	0.2	2.2	1.86	153
180970078	2011	10	30	10	V	0.05	1.8	3.46	170
180970078	2011	10	30	11	V	0.02	1.3	4.99	164
180970078	2011	10	30	12	V	0.01	1.2	5.73	171
180970078	2011	10	30	13	V	0.01	3.9	6.77	182
180970078	2011	10	30	14	V	0.01	5	7.5	185
180970078	2011	10	30	15	V	0.005	3.5	7.57	184
180970078	2011	10	30	16	V	0.01	2.7	7.01	175
180970078	2011	10	30	17	V	0.01	3.4	6.18	175
180970078	2011	10	30	18	V	0.02	5.8	4.82	180
180970078	2011	10	30	19	V	0.02	3.4	3.25	181
180970078	2011	10	30	20	V	0.02	1.6	3.69	162
180970078	2011	10	30	21	V	0.02	1.2	4.19	164
180970078	2011	10	30	22	V	0.02	2.8	4.59	160
180970078	2011	10	30	23	V	0.02	3.2	4.58	147
180970078	2011	10	30	24	V	0.02	2.7	4.37	154
180970078	2011	10	31	1	V	0.03	2.8	4.24	151
180970078	2011	10	31	2	V	0.03	2.5	3.08	182
180970078	2011	10	31	3	V	15.8	2.6	3.22	213
180970078	2011	10	31	4	V	2.6	2.4	4.71	204
180970078	2011	10	31	5	V	0.8	1.7	3.18	202
180970078	2011	10	31	6	V	0.2	1.3	4.32	200
180970078	2011	10	31	7	V	11.3	2	3.18	207
180970078	2011	10	31	8	V	5.1	1	2.5	198
180970078	2011	10	31	9	V	1.9	3.3	2.3	190
180970078	2011	10	31	10	V	4.8	5.1	2.54	234
180970078	2011	10	31	11	V	1.1	2.8	2.61	240
180970078	2011	10	31	12	V	0.6	2	3.27	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	10	31	13	V	0.8	3.4	3.71	235
180970078	2011	10	31	14	V	0.04	1.4	3.64	261
180970078	2011	10	31	15	V	0.07	1.9	4	247
180970078	2011	10	31	16	V	0.3	1.8	3.8	251
180970078	2011	10	31	17	V	0.4	1.6	3.86	249
180970078	2011	10	31	18	V	0.3	2.6	4	252
180970078	2011	10	31	19	V	0.2	4.7	3.57	253
180970078	2011	10	31	20	V	0.2	3.2	3.13	244
180970078	2011	10	31	21	V	0.05	2.2	2.27	261
180970078	2011	10	31	22	V	0.04	2.5	2.37	262
180970078	2011	10	31	23	V	0.3	2.1	2.72	245
180970078	2011	10	31	24	V	0.1	1.9	1.55	264
180970078	2011	11	1	1	V	0.1	1.7	2.35	254
180970078	2011	11	1	2	V	0.1	1.4	1.72	241
180970078	2011	11	1	3	V	17.4	2.4	1.69	220
180970078	2011	11	1	4	V	0.2	3.7	2.35	253
180970078	2011	11	1	5	V	0.8	3.4	1.08	238
180970078	2011	11	1	6	V	16.2	3.2	1.47	208
180970078	2011	11	1	7	V	0.5	3.3	1.48	126
180970078	2011	11	1	8	V	0.7	3.6	1.77	147
180970078	2011	11	1	9	V	0.5	3.3	2.18	151
180970078	2011	11	1	10	V	0.1	2.9	4	173
180970078	2011	11	1	11	V	0.1	2.1	4.24	165
180970078	2011	11	1	12	V	0.1	2.7	4.54	178
180970078	2011	11	1	13	V	0.8	4.8	4.48	194
180970078	2011	11	1	14	V	9.3	10.2	4.31	203
180970078	2011	11	1	15	V	0.04	10.8	5.38	186
180970078	2011	11	1	16	V	0.5	3.9	6.4	199
180970078	2011	11	1	17	V	0.05	2.9	5.84	195
180970078	2011	11	1	18	V	0.04	3.3	4.05	188
180970078	2011	11	1	19	V	0.04	3.2	3.78	168
180970078	2011	11	1	20	V	0.04	2.7	4.71	172
180970078	2011	11	1	21	V	0.04	3.1	4.31	165
180970078	2011	11	1	22	V	0.03	2.5	4.56	162
180970078	2011	11	1	23	V	0.03	2.4	4.61	163
180970078	2011	11	1	24	V	0.03	2.5	4.75	169
180970078	2011	11	2	1	V	0.03	1.9	4.29	162
180970078	2011	11	2	2	V	0.03	2	3.05	151
180970078	2011	11	2	3	V	0.02	2.3	3	153
180970078	2011	11	2	4	V	0.02	2.5	4.15	152
180970078	2011	11	2	5	V	0.02	2.7	4.09	157
180970078	2011	11	2	6	V	0.03	2.6	2.61	174
180970078	2011	11	2	7	V	0.1	2.7	2.91	161
180970078	2011	11	2	8	V	0.09	2.5	3.66	152
180970078	2011	11	2	9	V	0.06	3.6	4.39	163
180970078	2011	11	2	10	V	0.05	3.6	4.7	171

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	2	11	V	0.03	3.8	5.43	189
180970078	2011	11	2	12	V	0.3	4	6.18	198
180970078	2011	11	2	13	V	0.02	4.7	7.47	192
180970078	2011	11	2	14	V	0.01	5.7	7.14	190
180970078	2011	11	2	15	V	0.01	3.5	7.28	188
180970078	2011	11	2	16	V	0.03	2.9	7.67	191
180970078	2011	11	2	17	V	0.03	2.7	6.28	186
180970078	2011	11	2	18	V	0.03	3.1	4.51	189
180970078	2011	11	2	19	V	0.03	3.6	4.34	177
180970078	2011	11	2	20	V	0.03	3.2	3.47	176
180970078	2011	11	2	21	V	0.03	2.4	3.54	161
180970078	2011	11	2	22	V	0.03	2.1	4.9	158
180970078	2011	11	2	23	V	0.02	-999	5.17	164
180970078	2011	11	2	24	V	0.03	-999	4.6	162
180970078	2011	11	3	1	V	0.03	1.5	4.61	157
180970078	2011	11	3	2	V	0.03	1.8	3.56	142
180970078	2011	11	3	3	V	0.03	2.1	3.44	132
180970078	2011	11	3	4	V	0.03	1.8	4.19	134
180970078	2011	11	3	5	V	0.03	2.2	4.15	119
180970078	2011	11	3	6	V	0.03	2.2	3.93	119
180970078	2011	11	3	7	V	0.06	2.9	3.9	107
180970078	2011	11	3	8	V	0.06	4.5	4.1	104
180970078	2011	11	3	9	V	0.06	4	4.19	114
180970078	2011	11	3	10	V	0.02	3.5	5.58	117
180970078	2011	11	3	11	V	0.04	1.6	5.02	135
180970078	2011	11	3	12	V	0.03	1.7	5.38	114
180970078	2011	11	3	13	V	0.02	1	4.95	108
180970078	2011	11	3	14	V	0.02	1.8	4.53	102
180970078	2011	11	3	15	V	0.05	1.5	4.17	94
180970078	2011	11	3	16	V	0.03	1	3.69	72
180970078	2011	11	3	17	V	0.03	0.9	4.03	57
180970078	2011	11	3	18	V	0.03	1.1	4.92	36
180970078	2011	11	3	19	V	0.03	1	5.56	35
180970078	2011	11	3	20	V	0.03	1.3	6.87	36
180970078	2011	11	3	21	V	0.03	1.2	6.82	37
180970078	2011	11	3	22	V	0.02	1.3	6.97	34
180970078	2011	11	3	23	V	0.02	0.9	7.76	31
180970078	2011	11	3	24	V	0.02	1.5	8.52	27
180970078	2011	11	4	1	V	0.02	1.1	8.66	37
180970078	2011	11	4	2	V	0.02	1.3	7.79	30
180970078	2011	11	4	3	V	0.02	1.2	8.06	29
180970078	2011	11	4	4	V	0.02	1.3	6.99	33
180970078	2011	11	4	5	V	0.02	1.5	6.82	24
180970078	2011	11	4	6	V	0.02	1.6	6.28	25
180970078	2011	11	4	7	V	0.01	1.8	6.57	29
180970078	2011	11	4	8	V	0.01	1.7	6.86	40

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	4	9	V	0.05	2.1	4.94	54
180970078	2011	11	4	10	V	0.02	2.1	5.51	58
180970078	2011	11	4	11	V	0.03	2.1	5.26	52
180970078	2011	11	4	12	V	0.05	1.6	4.66	39
180970078	2011	11	4	13	V	0.03	1.9	4.65	28
180970078	2011	11	4	14	V	0.02	1.7	4.9	35
180970078	2011	11	4	15	V	0.01	1.1	5.67	51
180970078	2011	11	4	16	V	0.01	1.2	5.46	43
180970078	2011	11	4	17	V	0.01	1.6	4.58	32
180970078	2011	11	4	18	V	0.01	1.3	4.36	31
180970078	2011	11	4	19	V	0.01	0.8	3.54	41
180970078	2011	11	4	20	V	0.01	1	3.47	45
180970078	2011	11	4	21	V	0.01	1.1	4.03	47
180970078	2011	11	4	22	V	0.01	1.5	5.36	61
180970078	2011	11	4	23	V	0.01	0.7	5.6	72
180970078	2011	11	4	24	V	0.01	1.1	4.61	77
180970078	2011	11	5	1	V	0.01	1	4.31	84
180970078	2011	11	5	2	V	0.01	1.1	3.61	91
180970078	2011	11	5	3	V	0.01	0.9	3.1	93
180970078	2011	11	5	4	V	0.01	1.3	3.98	100
180970078	2011	11	5	5	V	0.01	1.3	3.73	104
180970078	2011	11	5	6	V	0.01	1.6	3.49	106
180970078	2011	11	5	7	V	0.03	1.5	3.78	101
180970078	2011	11	5	8	V	0.05	1.6	3.68	102
180970078	2011	11	5	9	V	0.04	2.2	4.19	116
180970078	2011	11	5	10	V	0.02	7.5	5.39	129
180970078	2011	11	5	11	V	0.03	10.9	4.68	142
180970078	2011	11	5	12	V	0.07	10.9	3.78	141
180970078	2011	11	5	13	V	0.06	8.2	3.35	128
180970078	2011	11	5	14	V	0.03	6.3	3.98	125
180970078	2011	11	5	15	V	0.01	5.5	4.88	129
180970078	2011	11	5	16	V	0.01	5.7	5.27	128
180970078	2011	11	5	17	V	0.01	6.1	5.17	130
180970078	2011	11	5	18	V	0.01	6.1	3.83	126
180970078	2011	11	5	19	V	0.01	4.6	3.01	132
180970078	2011	11	5	20	V	0.01	4.3	3.18	131
180970078	2011	11	5	21	V	0.02	4.7	2.71	128
180970078	2011	11	5	22	V	0.01	3.2	3.15	124
180970078	2011	11	5	23	V	0.02	2.9	3.76	127
180970078	2011	11	5	24	V	0.01	2.4	3.35	133
180970078	2011	11	6	1	V	0.01	2.4	3.88	143
180970078	2011	11	6	2	V	0.01	2.3	4.83	141
180970078	2011	11	6	3	V	0.01	2.2	3.98	138
180970078	2011	11	6	4	V	0.01	2.8	3.49	142
180970078	2011	11	6	5	V	0.01	3.3	4.03	142
180970078	2011	11	6	6	V	0.01	2.6	4.02	142

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	6	7	V	0.02	2.8	4.05	144
180970078	2011	11	6	8	V	0.03	2.7	4	146
180970078	2011	11	6	9	V	0.06	2.7	3.69	149
180970078	2011	11	6	10	V	0.01	2.6	7.2	178
180970078	2011	11	6	11	V	0.005	2.7	8.37	185
180970078	2011	11	6	12	V	0.01	2.6	7.94	184
180970078	2011	11	6	13	V	0.01	2.8	7.45	181
180970078	2011	11	6	14	V	0.01	2.6	7.26	179
180970078	2011	11	6	15	V	0.004	2.3	7.47	180
180970078	2011	11	6	16	V	0.01	2.3	6.75	178
180970078	2011	11	6	17	V	0.01	2	6.5	180
180970078	2011	11	6	18	V	0.01	1.7	6.06	180
180970078	2011	11	6	19	V	0.02	1.7	5.78	174
180970078	2011	11	6	20	V	0.02	1.6	5.17	172
180970078	2011	11	6	21	V	0.02	1.6	5.29	171
180970078	2011	11	6	22	V	0.02	1.4	6.02	175
180970078	2011	11	6	23	V	0.01	1.5	7.11	187
180970078	2011	11	6	24	V	0.03	2.1	5.7	196
180970078	2011	11	7	1	V	0.02	2.4	4.6	188
180970078	2011	11	7	2	V	0.02	2.6	4.39	192
180970078	2011	11	7	3	V	0.02	2.4	4.95	195
180970078	2011	11	7	4	V	0.02	2.3	5.68	195
180970078	2011	11	7	5	V	0.02	2.3	4.77	194
180970078	2011	11	7	6	V	0.02	2.3	3.25	182
180970078	2011	11	7	7	V	0.04	2.3	2.52	188
180970078	2011	11	7	8	V	0.1	2.3	2.28	182
180970078	2011	11	7	9	V	0.1	2.8	2.2	173
180970078	2011	11	7	10	V	0.1	3	2.64	172
180970078	2011	11	7	11	V	0.1	3.3	2.62	166
180970078	2011	11	7	12	V	0.06	4.1	3.68	177
180970078	2011	11	7	13	V	0.2	2.9	3.44	245
180970078	2011	11	7	14	V	0.1	2.8	2.38	312
180970078	2011	11	7	15	V	0.1	1.2	0.77	358
180970078	2011	11	7	16	V	2.0	1.4	0.92	235
180970078	2011	11	7	17	V	0.2	1.6	0.99	56
180970078	2011	11	7	18	V	0.07	2.3	1.43	63
180970078	2011	11	7	19	V	0.02	2.5	2.23	95
180970078	2011	11	7	20	V	0.05	2.6	1.71	91
180970078	2011	11	7	21	V	0.02	2.6	2.72	119
180970078	2011	11	7	22	V	0.03	1.9	2.08	141
180970078	2011	11	7	23	V	0.1	1.7	1.23	149
180970078	2011	11	7	24	V	0.02	1.6	2.56	113
180970078	2011	11	8	1	V	0.01	1.8	3.44	130
180970078	2011	11	8	2	V	0.01	1.2	3.25	139
180970078	2011	11	8	3	V	0.01	1.6	3.05	144
180970078	2011	11	8	4	V	0.01	1.4	3.66	136

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	8	5	V	0.01	1.6	4.34	135
180970078	2011	11	8	6	V	0.01	1.9	4.71	136
180970078	2011	11	8	7	V	0.01	2	5.12	133
180970078	2011	11	8	8	V	0.02	2	5.04	141
180970078	2011	11	8	9	V	0.02	2.4	5.33	146
180970078	2011	11	8	10	V	0.01	2.6	5.89	159
180970078	2011	11	8	11	V	0.01	2.2	6.43	169
180970078	2011	11	8	12	V	0.01	2.3	7.09	172
180970078	2011	11	8	13	V	0.004	2.9	8.39	190
180970078	2011	11	8	14	V	0.005	2.5	7.86	193
180970078	2011	11	8	15	V	1.7	2.9	7.74	211
180970078	2011	11	8	16	V	1.0	2.7	7.2	205
180970078	2011	11	8	17	V	0.4	2.9	5.5	202
180970078	2011	11	8	18	V	0.02	2.3	4	187
180970078	2011	11	8	19	V	0.02	3	3.51	182
180970078	2011	11	8	20	V	0.02	2.6	2.64	149
180970078	2011	11	8	21	V	0.02	1.6	3.39	143
180970078	2011	11	8	22	V	0.02	2	4.97	147
180970078	2011	11	8	23	V	0.02	2.8	4.6	164
180970078	2011	11	8	24	V	0.02	3	4.85	154
180970078	2011	11	9	1	V	0.02	3.1	5.12	153
180970078	2011	11	9	2	V	0.02	2.6	4.78	189
180970078	2011	11	9	3	V	0.02	1.7	2.79	164
180970078	2011	11	9	4	V	0.02	1.7	2.66	135
180970078	2011	11	9	5	V	0.01	1.5	6.14	141
180970078	2011	11	9	6	V	0.01	1.9	7.55	151
180970078	2011	11	9	7	V	0.02	1.4	7.65	154
180970078	2011	11	9	8	V	0.004	1	8.08	152
180970078	2011	11	9	9	V	0.004	1.6	9.32	168
180970078	2011	11	9	10	V	0.004	1.5	8.42	177
180970078	2011	11	9	11	V	0.4	1.8	10.43	205
180970078	2011	11	9	12	V	0.9	2.4	13.3	227
180970078	2011	11	9	13	V	0.02	1.8	13.35	236
180970078	2011	11	9	14	V	0.01	1.6	13.84	241
180970078	2011	11	9	15	V	0.2	1.3	13.18	237
180970078	2011	11	9	16	V	0.07	1.4	13.16	246
180970078	2011	11	9	17	V	0.05	2	12.77	255
180970078	2011	11	9	18	V	0.03	1.1	10.87	259
180970078	2011	11	9	19	V	0.02	1.2	9.44	263
180970078	2011	11	9	20	V	0.01	1.1	8.49	278
180970078	2011	11	9	21	V	0.01	0.9	8.25	275
180970078	2011	11	9	22	V	0.01	0.9	7.72	283
180970078	2011	11	9	23	V	0.01	-999	6.02	274
180970078	2011	11	9	24	V	0.1	-999	4.76	255
180970078	2011	11	10	1	V	0.1	0.9	4.22	242
180970078	2011	11	10	2	V	0.08	1.1	3.98	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	10	3	V	7.1	1.6	4.2	224
180970078	2011	11	10	4	V	0.5	2.7	4.7	232
180970078	2011	11	10	5	V	0.9	2.5	4.27	230
180970078	2011	11	10	6	V	2.0	2.4	4.17	228
180970078	2011	11	10	7	V	2.5	2	4.02	230
180970078	2011	11	10	8	V	0.4	2.4	4.44	236
180970078	2011	11	10	9	V	0.4	3.1	4.61	237
180970078	2011	11	10	10	V	0.06	3.4	5.5	253
180970078	2011	11	10	11	V	0.01	2.9	5.6	261
180970078	2011	11	10	12	V	0.005	1.5	8.49	278
180970078	2011	11	10	13	V	0.003	1	9.47	272
180970078	2011	11	10	14	V	0.003	1.2	9.27	279
180970078	2011	11	10	15	V	0.01	1	8.61	273
180970078	2011	11	10	16	V	0.02	1.1	7.21	262
180970078	2011	11	10	17	V	0.01	1.5	6.67	270
180970078	2011	11	10	18	V	0.02	0.9	4.51	264
180970078	2011	11	10	19	V	0.03	0.9	5.29	261
180970078	2011	11	10	20	V	0.02	1.1	3.93	272
180970078	2011	11	10	21	V	0.01	1.2	4.85	270
180970078	2011	11	10	22	V	0.01	1	4.8	265
180970078	2011	11	10	23	V	0.01	1.2	4.83	265
180970078	2011	11	10	24	V	0.01	0.6	4.71	267
180970078	2011	11	11	1	V	0.01	1.2	4.36	272
180970078	2011	11	11	2	V	0.01	1.1	3.74	264
180970078	2011	11	11	3	V	0.01	1	3.73	266
180970078	2011	11	11	4	V	0.1	0.9	3.35	255
180970078	2011	11	11	5	V	0.2	1.2	3.52	244
180970078	2011	11	11	6	V	0.2	1.3	3.71	243
180970078	2011	11	11	7	V	0.1	1.5	3.63	241
180970078	2011	11	11	8	V	0.4	1.6	3.24	240
180970078	2011	11	11	9	V	3.3	1.6	3.34	232
180970078	2011	11	11	10	V	1.5	3.5	3.97	232
180970078	2011	11	11	11	V	1.0	4.5	3.57	233
180970078	2011	11	11	12	V	3.2	4.2	4.12	225
180970078	2011	11	11	13	V	4.5	5.3	4.37	219
180970078	2011	11	11	14	V	0.2	6.1	4.8	201
180970078	2011	11	11	15	V	0.03	2.8	5.48	191
180970078	2011	11	11	16	V	0.01	1.8	5.21	175
180970078	2011	11	11	17	V	0.01	1.9	5.05	164
180970078	2011	11	11	18	V	0.01	2	4.07	159
180970078	2011	11	11	19	V	0.01	1.7	4.63	157
180970078	2011	11	11	20	V	0.01	3	4.8	163
180970078	2011	11	11	21	V	0.01	3.7	3.91	150
180970078	2011	11	11	22	V	0.01	3	4.05	160
180970078	2011	11	11	23	V	0.01	2.5	5.43	187
180970078	2011	11	11	24	V	0.01	2.1	5.72	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	12	1	V	1.1	2.2	5.41	207
180970078	2011	11	12	2	V	0.5	2.9	8.27	233
180970078	2011	11	12	3	V	0.4	2.8	7.45	233
180970078	2011	11	12	4	V	5.1	2.6	6.8	224
180970078	2011	11	12	5	V	7.8	2.7	5.82	221
180970078	2011	11	12	6	V	7.4	2.9	5.65	222
180970078	2011	11	12	7	V	8.5	3.1	4.97	216
180970078	2011	11	12	8	V	3.0	4	4.56	209
180970078	2011	11	12	9	V	3.1	4.4	5.26	210
180970078	2011	11	12	10	V	2.8	6	5.67	210
180970078	2011	11	12	11	V	2.5	5.9	5.9	210
180970078	2011	11	12	12	V	1.3	6.2	7.08	209
180970078	2011	11	12	13	V	0.1	4.6	7.45	200
180970078	2011	11	12	14	V	0.005	2.7	8.01	191
180970078	2011	11	12	15	V	0.02	2.5	9.29	191
180970078	2011	11	12	16	V	0.02	2.6	8.95	192
180970078	2011	11	12	17	V	0.01	3.1	7.6	190
180970078	2011	11	12	18	V	0.01	2.8	7.76	187
180970078	2011	11	12	19	V	0.01	5	7.4	185
180970078	2011	11	12	20	V	0.01	5.1	8.27	186
180970078	2011	11	12	21	V	0.01	3.4	8.37	185
180970078	2011	11	12	22	V	0.01	2.9	9.42	185
180970078	2011	11	12	23	V	0.01	2.1	10.15	190
180970078	2011	11	12	24	V	0.02	2	10.19	195
180970078	2011	11	13	1	V	0.01	2.2	9.88	190
180970078	2011	11	13	2	V	0.01	2.3	8.85	190
180970078	2011	11	13	3	V	0.02	2.2	8.73	193
180970078	2011	11	13	4	V	0.01	2.6	10.12	193
180970078	2011	11	13	5	V	0.04	2.9	10.78	197
180970078	2011	11	13	6	V	0.06	3	10.9	198
180970078	2011	11	13	7	V	0.01	2.7	10.6	198
180970078	2011	11	13	8	V	0.003	3	10.24	191
180970078	2011	11	13	9	V	0.004	3	8.96	191
180970078	2011	11	13	10	V	0.004	3.1	9.61	189
180970078	2011	11	13	11	V	0.003	2.9	11.17	190
180970078	2011	11	13	12	V	0.004	2.7	11.63	193
180970078	2011	11	13	13	V	0.2	2.6	11.67	203
180970078	2011	11	13	14	V	0.1	2.2	12.52	203
180970078	2011	11	13	15	V	0.5	2	12.89	207
180970078	2011	11	13	16	V	5.3	1.8	12.86	213
180970078	2011	11	13	17	V	4.4	3.4	12.04	226
180970078	2011	11	13	18	V	6.9	4.1	11.29	215
180970078	2011	11	13	19	V	1.9	3.3	9.88	207
180970078	2011	11	13	20	V	4.1	3.2	10.61	211
180970078	2011	11	13	21	V	3.4	2.7	11.24	210
180970078	2011	11	13	22	V	6.0	3.1	11.72	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	13	23	V	5.3	2.1	10.32	225
180970078	2011	11	13	24	V	3.3	1.8	6.41	227
180970078	2011	11	14	1	V	6.1	2.4	7.74	223
180970078	2011	11	14	2	V	5.0	1.9	5.09	212
180970078	2011	11	14	3	V	1.6	2.1	6.86	207
180970078	2011	11	14	4	V	7.4	1.8	6.75	217
180970078	2011	11	14	5	V	6.4	2.1	5.56	214
180970078	2011	11	14	6	V	0.6	1.7	6.47	204
180970078	2011	11	14	7	V	0.02	1.5	6.6	180
180970078	2011	11	14	8	V	0.02	1.4	4.32	262
180970078	2011	11	14	9	V	10.9	1.4	3.22	216
180970078	2011	11	14	10	V	1.4	2.2	6.91	209
180970078	2011	11	14	11	V	0.9	2	7.47	207
180970078	2011	11	14	12	V	0.4	1.9	10.61	205
180970078	2011	11	14	13	V	1.2	1.6	11.89	211
180970078	2011	11	14	14	V	1.7	2.4	11.63	214
180970078	2011	11	14	15	V	2.6	3.4	11.24	208
180970078	2011	11	14	16	V	3.0	2.2	12.02	209
180970078	2011	11	14	17	V	7.3	4.7	12.02	216
180970078	2011	11	14	18	V	8.2	6.3	11.28	219
180970078	2011	11	14	19	V	0.01	2.6	6.41	271
180970078	2011	11	14	20	V	0.2	1.7	3	253
180970078	2011	11	14	21	V	0.4	1.3	2.59	249
180970078	2011	11	14	22	V	0.04	1.3	2.39	258
180970078	2011	11	14	23	V	0.1	0.8	2.03	235
180970078	2011	11	14	24	V	11.0	1.6	2.55	223
180970078	2011	11	15	1	V	0.05	1.8	2.37	239
180970078	2011	11	15	2	V	5.3	0.7	3.17	226
180970078	2011	11	15	3	V	10.0	1.8	3.22	223
180970078	2011	11	15	4	V	0.2	2	2.59	234
180970078	2011	11	15	5	V	3.8	3.8	3.98	210
180970078	2011	11	15	6	V	8.5	3	5	216
180970078	2011	11	15	7	V	6.5	3.7	4.07	212
180970078	2011	11	15	8	V	0.6	2.2	3.93	200
180970078	2011	11	15	9	V	0.1	2.1	3.63	191
180970078	2011	11	15	10	V	0.05	1.3	4.09	187
180970078	2011	11	15	11	V	0.04	1.7	4.14	185
180970078	2011	11	15	12	V	0.3	2.4	5.41	200
180970078	2011	11	15	13	V	0.06	2.1	6.07	196
180970078	2011	11	15	14	V	0.4	2.9	5.36	201
180970078	2011	11	15	15	V	0.1	3.5	5.75	197
180970078	2011	11	15	16	V	0.02	3.2	5.61	196
180970078	2011	11	15	17	V	0.02	1.9	4.65	192
180970078	2011	11	15	18	V	0.02	1.8	3.78	175
180970078	2011	11	15	19	V	0.01	1.9	3.63	166
180970078	2011	11	15	20	V	0.02	1.5	4.09	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	15	21	V	0.02	1.6	3.3	165
180970078	2011	11	15	22	V	0.02	1.1	2.61	172
180970078	2011	11	15	23	V	0.2	0.9	0.77	183
180970078	2011	11	15	24	V	0.02	1.3	2.11	162
180970078	2011	11	16	1	V	1.5	1.3	1.81	205
180970078	2011	11	16	2	V	16.4	1.1	2.06	221
180970078	2011	11	16	3	V	0.02	1.1	2.18	263
180970078	2011	11	16	4	V	0.06	1.5	1.55	301
180970078	2011	11	16	5	V	0.02	1.1	3.18	302
180970078	2011	11	16	6	V	0.01	1.2	6.35	333
180970078	2011	11	16	7	V	0.02	1	6.41	348
180970078	2011	11	16	8	V	0.01	1.9	4.99	354
180970078	2011	11	16	9	V	0.02	1.7	4.39	346
180970078	2011	11	16	10	V	0.01	1.3	6.19	336
180970078	2011	11	16	11	V	0.005	1.5	8.13	337
180970078	2011	11	16	12	V	0.005	2	8.05	338
180970078	2011	11	16	13	V	0.01	1.6	7.65	336
180970078	2011	11	16	14	V	0.005	2.4	7.42	343
180970078	2011	11	16	15	V	0.02	2.3	7.57	331
180970078	2011	11	16	16	V	0.01	1.4	7.45	329
180970078	2011	11	16	17	V	0.01	1.3	7.48	319
180970078	2011	11	16	18	V	0.01	1.4	6.57	321
180970078	2011	11	16	19	V	0.02	1.6	6.63	324
180970078	2011	11	16	20	V	0.02	1.2	6.24	323
180970078	2011	11	16	21	V	0.03	1.5	5.24	327
180970078	2011	11	16	22	V	0.03	1.5	3.29	318
180970078	2011	11	16	23	V	0.03	-999	3.01	318
180970078	2011	11	16	24	V	0.03	-999	3	308
180970078	2011	11	17	1	V	0.03	1.8	3.47	309
180970078	2011	11	17	2	V	0.03	2.1	3.13	300
180970078	2011	11	17	3	V	0.03	2.1	3.69	283
180970078	2011	11	17	4	V	0.03	2	3.52	288
180970078	2011	11	17	5	V	0.04	1.5	3.06	277
180970078	2011	11	17	6	V	0.04	1.3	3.17	266
180970078	2011	11	17	7	V	0.3	1.5	3.69	246
180970078	2011	11	17	8	V	0.2	1.9	4.19	249
180970078	2011	11	17	9	V	0.2	1.7	4.27	252
180970078	2011	11	17	10	V	0.04	1.9	5.85	265
180970078	2011	11	17	11	V	0.01	1.4	8.28	285
180970078	2011	11	17	12	V	0.01	1	8.96	282
180970078	2011	11	17	13	V	0.01	1	9.12	281
180970078	2011	11	17	14	V	0.01	1.3	11.14	288
180970078	2011	11	17	15	V	0.04	1.2	11.65	293
180970078	2011	11	17	16	V	0.03	1	10.44	286
180970078	2011	11	17	17	V	0.03	1	8.49	280
180970078	2011	11	17	18	V	0.03	1.2	5.36	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	17	19	V	0.3	1.2	4.12	251
180970078	2011	11	17	20	V	0.2	2.2	4	235
180970078	2011	11	17	21	V	9.3	1.8	3.49	223
180970078	2011	11	17	22	V	25.3	1.4	2.76	218
180970078	2011	11	17	23	V	21.4	2.9	2.91	209
180970078	2011	11	17	24	V	29.5	8.2	3.39	213
180970078	2011	11	18	1	V	24.4	9.3	3.88	211
180970078	2011	11	18	2	V	8.5	4.6	3.59	207
180970078	2011	11	18	3	V	0.03	2.1	3.44	195
180970078	2011	11	18	4	V	0.03	1.9	3.61	190
180970078	2011	11	18	5	V	0.03	1.6	3.73	192
180970078	2011	11	18	6	V	0.03	1.3	3.1	189
180970078	2011	11	18	7	V	0.05	1.4	3.2	177
180970078	2011	11	18	8	V	0.3	3.4	3.39	188
180970078	2011	11	18	9	V	0.04	2.3	5.73	185
180970078	2011	11	18	10	V	0.01	2.3	7.99	181
180970078	2011	11	18	11	V	0.01	3.5	9.05	190
180970078	2011	11	18	12	V	0.02	3.3	9.34	192
180970078	2011	11	18	13	V	0.01	2.3	8.27	184
180970078	2011	11	18	14	V	0.01	1.9	8.95	182
180970078	2011	11	18	15	V	0.05	1.5	8.79	188
180970078	2011	11	18	16	V	0.03	1.5	8.91	183
180970078	2011	11	18	17	V	0.04	2	7.18	173
180970078	2011	11	18	18	V	0.04	1.8	5.97	168
180970078	2011	11	18	19	V	0.03	2.7	5.26	159
180970078	2011	11	18	20	V	0.03	2.9	5.19	163
180970078	2011	11	18	21	V	0.03	3.6	5.51	171
180970078	2011	11	18	22	V	0.03	4.2	5.43	168
180970078	2011	11	18	23	V	0.04	3	5.67	168
180970078	2011	11	18	24	V	0.03	2.9	5.72	174
180970078	2011	11	19	1	V	0.03	2.5	7.13	186
180970078	2011	11	19	2	V	0.2	2.3	7.94	196
180970078	2011	11	19	3	V	0.03	3.1	6.96	193
180970078	2011	11	19	4	V	0.03	3	5.8	190
180970078	2011	11	19	5	V	0.03	3	6.26	186
180970078	2011	11	19	6	V	0.03	3.2	6.23	177
180970078	2011	11	19	7	V	0.05	3.1	5.94	174
180970078	2011	11	19	8	V	0.02	2.1	6.07	176
180970078	2011	11	19	9	V	0.02	2	6.86	181
180970078	2011	11	19	10	V	0.01	2.7	7.62	182
180970078	2011	11	19	11	V	0.01	2.3	7.5	177
180970078	2011	11	19	12	V	0.01	2.9	7.43	185
180970078	2011	11	19	13	V	0.02	2.6	5.8	170
180970078	2011	11	19	14	V	0.01	2.6	5.72	174
180970078	2011	11	19	15	V	0.04	3	7.91	177
180970078	2011	11	19	16	V	0.03	2.3	8.22	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	19	17	V	0.03	3	7.77	172
180970078	2011	11	19	18	V	0.03	2.5	7.54	182
180970078	2011	11	19	19	V	0.04	1.3	7.3	177
180970078	2011	11	19	20	V	0.04	1.5	7.01	188
180970078	2011	11	19	21	V	1.0	1.4	6.79	199
180970078	2011	11	19	22	V	17.9	9.6	7.23	212
180970078	2011	11	19	23	V	11.7	15.4	10.56	208
180970078	2011	11	19	24	V	18.0	9.6	10.61	214
180970078	2011	11	20	1	V	9.5	8.2	9.7	222
180970078	2011	11	20	2	V	10.2	8.8	9.12	220
180970078	2011	11	20	3	V	3.6	6.6	8.79	227
180970078	2011	11	20	4	V	0.3	1.7	6.82	235
180970078	2011	11	20	5	V	2.2	2.1	6.82	229
180970078	2011	11	20	6	V	4.5	1.9	6.11	226
180970078	2011	11	20	7	V	2.6	1.6	5.41	229
180970078	2011	11	20	8	V	0.1	1.6	4.17	240
180970078	2011	11	20	9	V	0.05	1.1	4.48	292
180970078	2011	11	20	10	V	0.06	1.5	4.19	330
180970078	2011	11	20	11	V	0.07	1.6	3.46	346
180970078	2011	11	20	12	V	0.05	1.2	3.44	11
180970078	2011	11	20	13	V	0.07	1.2	2.59	30
180970078	2011	11	20	14	V	0.02	0.8	3.63	12
180970078	2011	11	20	15	V	0.04	0.9	3.01	359
180970078	2011	11	20	16	V	0.03	0.8	3.52	9
180970078	2011	11	20	17	V	0.03	1.2	4.03	19
180970078	2011	11	20	18	V	0.03	1	4.37	16
180970078	2011	11	20	19	V	0.03	0.6	4.54	13
180970078	2011	11	20	20	V	0.03	1.5	4.92	19
180970078	2011	11	20	21	V	0.03	1.4	5.46	34
180970078	2011	11	20	22	V	0.03	0.9	5.41	57
180970078	2011	11	20	23	V	0.03	1.3	3.69	60
180970078	2011	11	20	24	V	0.04	1.4	3.69	57
180970078	2011	11	21	1	V	0.04	0.8	4.54	14
180970078	2011	11	21	2	V	0.04	1.1	4.49	36
180970078	2011	11	21	3	V	0.04	1	5.11	55
180970078	2011	11	21	4	V	0.04	1.3	5.41	69
180970078	2011	11	21	5	V	0.04	1.7	4.82	52
180970078	2011	11	21	6	V	0.05	1.1	4.46	63
180970078	2011	11	21	7	V	0.06	1.6	4.29	54
180970078	2011	11	21	8	V	0.07	1.5	4.19	52
180970078	2011	11	21	9	V	0.1	0.7	3.97	70
180970078	2011	11	21	10	V	0.07	1.2	4.68	86
180970078	2011	11	21	11	V	0.09	1.4	4.44	76
180970078	2011	11	21	12	V	0.05	0.8	5.14	82
180970078	2011	11	21	13	V	0.03	1.2	4.88	88
180970078	2011	11	21	14	V	0.03	1.3	4.6	78

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	21	15	V	0.06	1.6	4.37	78
180970078	2011	11	21	16	V	0.05	1.1	4.58	84
180970078	2011	11	21	17	V	0.05	1	4.37	70
180970078	2011	11	21	18	V	0.05	1.3	4.85	69
180970078	2011	11	21	19	V	0.05	0.8	5.12	53
180970078	2011	11	21	20	V	0.05	0.7	4.75	59
180970078	2011	11	21	21	V	0.05	1.1	5.07	69
180970078	2011	11	21	22	V	0.05	1	4.37	69
180970078	2011	11	21	23	V	0.05	0.4	4.61	69
180970078	2011	11	21	24	V	0.04	0.6	5.04	67
180970078	2011	11	22	1	V	0.04	1	4.29	64
180970078	2011	11	22	2	V	0.04	1	3.93	61
180970078	2011	11	22	3	V	0.04	1.1	4.51	61
180970078	2011	11	22	4	V	0.04	0.9	4.83	70
180970078	2011	11	22	5	V	0.04	1.2	5.34	75
180970078	2011	11	22	6	V	0.04	0.7	3.88	80
180970078	2011	11	22	7	V	0.05	1	2.86	92
180970078	2011	11	22	8	V	0.1	1.5	3.23	76
180970078	2011	11	22	9	V	0.03	1.3	5.79	78
180970078	2011	11	22	10	V	0.05	1.2	5.07	89
180970078	2011	11	22	11	V	0.05	1.5	4.87	79
180970078	2011	11	22	12	V	0.03	1.4	5.92	85
180970078	2011	11	22	13	V	0.04	1	5.17	88
180970078	2011	11	22	14	V	0.04	1.9	5.22	115
180970078	2011	11	22	15	V	0.06	2	4.83	136
180970078	2011	11	22	16	V	0.05	1.8	4.82	185
180970078	2011	11	22	17	V	0.04	1.7	3.95	310
180970078	2011	11	22	18	V	0.04	2.4	4.25	284
180970078	2011	11	22	19	V	0.04	1.2	5.41	276
180970078	2011	11	22	20	V	0.04	1.5	7.72	276
180970078	2011	11	22	21	V	0.04	1.5	6.07	289
180970078	2011	11	22	22	V	0.04	0.8	6.09	303
180970078	2011	11	22	23	V	0.03	0.6	6.5	309
180970078	2011	11	22	24	V	0.03	0.5	7.55	324
180970078	2011	11	23	1	V	0.03	1.4	6.38	331
180970078	2011	11	23	2	V	0.03	0.3	5.92	309
180970078	2011	11	23	3	V	0.03	0.7	6.18	315
180970078	2011	11	23	4	V	0.03	0.8	5.87	316
180970078	2011	11	23	5	V	0.03	0.7	6.13	317
180970078	2011	11	23	6	V	0.03	1.7	5.56	323
180970078	2011	11	23	7	V	0.04	1.6	5.38	320
180970078	2011	11	23	8	V	0.06	1.5	4.32	314
180970078	2011	11	23	9	V	0.1	1.5	3.93	304
180970078	2011	11	23	10	V	0.2	2	3.88	311
180970078	2011	11	23	11	V	0.08	2.1	4.07	295
180970078	2011	11	23	12	V	0.08	2.2	3.49	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	23	13	V	0.09	1.8	3.12	289
180970078	2011	11	23	14	V	0.04	1.9	2.98	280
180970078	2011	11	23	15	V	0.06	2	2.69	296
180970078	2011	11	23	16	V	0.05	1.6	2.27	262
180970078	2011	11	23	17	V	0.1	1.9	2.52	256
180970078	2011	11	23	18	V	0.3	1.7	3.32	251
180970078	2011	11	23	19	V	0.3	2.4	3.8	245
180970078	2011	11	23	20	V	2.1	1.2	3.76	229
180970078	2011	11	23	21	V	17.5	1.5	3.71	220
180970078	2011	11	23	22	V	19.5	3	3.27	219
180970078	2011	11	23	23	V	23.9	-999	2.25	211
180970078	2011	11	23	24	V	4.9	-999	3.12	208
180970078	2011	11	24	1	V	1.3	4.7	4.77	231
180970078	2011	11	24	2	V	8.5	8	4.93	222
180970078	2011	11	24	3	V	7.9	6.5	4.1	214
180970078	2011	11	24	4	V	11.3	7.7	4.2	219
180970078	2011	11	24	5	V	8.7	7.5	5.14	217
180970078	2011	11	24	6	V	7.1	3.6	4.08	213
180970078	2011	11	24	7	V	3.1	7.6	4.25	208
180970078	2011	11	24	8	V	0.6	2.9	4.63	203
180970078	2011	11	24	9	V	0.3	2.3	4.75	200
180970078	2011	11	24	10	V	1.1	2	5.26	205
180970078	2011	11	24	11	V	0.2	2.8	5.62	202
180970078	2011	11	24	12	V	0.02	2.6	5.73	197
180970078	2011	11	24	13	V	0.01	2.4	5.77	193
180970078	2011	11	24	14	V	0.01	2.1	5.8	191
180970078	2011	11	24	15	V	3.2	3.3	5.02	208
180970078	2011	11	24	16	V	0.03	4.8	4.49	199
180970078	2011	11	24	17	V	0.01	2.6	5.56	187
180970078	2011	11	24	18	V	0.01	3.4	4.12	190
180970078	2011	11	24	19	V	0.01	3.6	4.7	184
180970078	2011	11	24	20	V	0.01	2.1	5.68	186
180970078	2011	11	24	21	V	0.01	2.8	5.38	192
180970078	2011	11	24	22	V	0.01	2.6	5.39	188
180970078	2011	11	24	23	V	0.01	1.8	3.69	185
180970078	2011	11	24	24	V	0.01	1	4.26	183
180970078	2011	11	25	1	V	0.01	1.5	3.95	180
180970078	2011	11	25	2	V	0.01	1.3	4.09	175
180970078	2011	11	25	3	V	0.01	1.1	3.07	174
180970078	2011	11	25	4	V	0.01	1.2	3.61	188
180970078	2011	11	25	5	V	0.01	0.9	4.8	190
180970078	2011	11	25	6	V	0.01	1	4.07	182
180970078	2011	11	25	7	V	0.02	0.8	3.49	189
180970078	2011	11	25	8	V	1.2	1.1	3.69	201
180970078	2011	11	25	9	V	0.5	1.6	4.07	197
180970078	2011	11	25	10	V	0.1	2.5	5.26	196

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	25	11	V	0.3	3.4	6.74	201
180970078	2011	11	25	12	V	0.3	6	7.88	202
180970078	2011	11	25	13	V	0.08	3.4	7.93	199
180970078	2011	11	25	14	V	0.2	1.8	8.78	203
180970078	2011	11	25	15	V	2.1	2.3	8.83	207
180970078	2011	11	25	16	V	0.09	2.3	8.18	199
180970078	2011	11	25	17	V	0.01	1.7	6.82	190
180970078	2011	11	25	18	V	0.02	2	5.34	193
180970078	2011	11	25	19	V	0.02	2.9	4.9	178
180970078	2011	11	25	20	V	0.02	3.4	4.37	180
180970078	2011	11	25	21	V	0.02	2.8	4.82	176
180970078	2011	11	25	22	V	0.02	2.5	4.82	181
180970078	2011	11	25	23	V	0.02	1.4	5.53	188
180970078	2011	11	25	24	V	0.02	2.2	5.44	195
180970078	2011	11	26	1	V	0.02	1.8	6.29	193
180970078	2011	11	26	2	V	0.02	2	5.89	196
180970078	2011	11	26	3	V	0.1	2.3	5.45	200
180970078	2011	11	26	4	V	0.05	2	5.24	199
180970078	2011	11	26	5	V	0.3	2	5.41	202
180970078	2011	11	26	6	V	0.05	1.5	5.17	198
180970078	2011	11	26	7	V	0.02	2.3	5.43	177
180970078	2011	11	26	8	V	0.01	2.5	5.16	164
180970078	2011	11	26	9	V	0.01	2.2	5.26	164
180970078	2011	11	26	10	V	0.01	2.5	5.73	168
180970078	2011	11	26	11	V	0.01	3.5	6.52	172
180970078	2011	11	26	12	V	0.004	4.3	9.18	190
180970078	2011	11	26	13	V	0.01	2.6	8.9	192
180970078	2011	11	26	14	V	0.003	2.9	9.54	193
180970078	2011	11	26	15	V	0.02	2.8	7.83	191
180970078	2011	11	26	16	V	0.02	2.1	4.87	191
180970078	2011	11	26	17	V	0.02	2.2	4.44	177
180970078	2011	11	26	18	V	0.02	1.7	5.09	176
180970078	2011	11	26	19	V	0.02	1	3.46	154
180970078	2011	11	26	20	V	0.02	1.7	4.26	135
180970078	2011	11	26	21	V	0.02	1.9	5.38	163
180970078	2011	11	26	22	V	0.02	2.7	5.61	171
180970078	2011	11	26	23	V	0.01	1.7	6.07	171
180970078	2011	11	26	24	V	0.1	1.7	9.78	200
180970078	2011	11	27	1	V	2.5	1.5	4.99	228
180970078	2011	11	27	2	V	0.6	1.7	4.02	204
180970078	2011	11	27	3	V	0.02	1.7	5.21	191
180970078	2011	11	27	4	V	0.02	1.9	4.88	180
180970078	2011	11	27	5	V	0.02	1	3.97	188
180970078	2011	11	27	6	V	0.01	1.2	5.58	297
180970078	2011	11	27	7	V	0.02	1.1	4.93	304
180970078	2011	11	27	8	V	0.01	1.1	4.97	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	27	9	V	0.01	0.9	4.48	301
180970078	2011	11	27	10	V	0.02	0.9	4.2	294
180970078	2011	11	27	11	V	0.01	1.1	4.44	285
180970078	2011	11	27	12	V	0.01	0.8	4.53	292
180970078	2011	11	27	13	V	0.01	0.8	4.9	294
180970078	2011	11	27	14	V	0.01	1.1	5.53	291
180970078	2011	11	27	15	V	0.02	1.6	5.36	293
180970078	2011	11	27	16	V	0.02	0.4	4.85	294
180970078	2011	11	27	17	V	0.02	1.1	4.56	300
180970078	2011	11	27	18	V	0.02	0.5	4.6	304
180970078	2011	11	27	19	V	0.01	1	5.51	325
180970078	2011	11	27	20	V	0.01	0.9	6.06	334
180970078	2011	11	27	21	V	0.01	1	6.79	341
180970078	2011	11	27	22	V	0.01	1.4	6.09	353
180970078	2011	11	27	23	V	0.01	1.1	5.73	359
180970078	2011	11	27	24	V	0.01	0	5.67	3
180970078	2011	11	28	1	V	0.01	1.3	6.09	5
180970078	2011	11	28	2	V	0.01	1.2	5.96	4
180970078	2011	11	28	3	V	0.01	1.3	5.53	6
180970078	2011	11	28	4	V	0.01	1.2	6.16	5
180970078	2011	11	28	5	V	0.01	0.8	6.21	15
180970078	2011	11	28	6	V	0.01	0.7	6.18	23
180970078	2011	11	28	7	V	0.01	1.2	6.41	24
180970078	2011	11	28	8	V	0.01	0.8	6.11	22
180970078	2011	11	28	9	V	0.01	0.3	6.65	22
180970078	2011	11	28	10	V	0.01	0.9	6.91	27
180970078	2011	11	28	11	V	0.004	1.5	7.86	30
180970078	2011	11	28	12	V	0.004	1.3	7.99	31
180970078	2011	11	28	13	V	0.004	0.7	7.64	25
180970078	2011	11	28	14	V	0.004	0.7	8.27	26
180970078	2011	11	28	15	V	0.01	1.2	8.15	27
180970078	2011	11	28	16	V	0.01	0.9	8.85	27
180970078	2011	11	28	17	V	0.01	1.4	10.02	37
180970078	2011	11	28	18	V	0.01	1.2	9.42	29
180970078	2011	11	28	19	V	0.01	1.5	9.75	30
180970078	2011	11	28	20	V	0.01	1.9	9.41	31
180970078	2011	11	28	21	V	0.01	0.5	9.59	27
180970078	2011	11	28	22	V	0.01	1.7	9.7	25
180970078	2011	11	28	23	V	0.01	0.8	9.64	28
180970078	2011	11	28	24	V	0.01	1.2	8.96	23
180970078	2011	11	29	1	V	0.01	0.7	8.98	25
180970078	2011	11	29	2	V	0.01	0.9	4.15	46
180970078	2011	11	29	3	V	0.02	1.1	4.6	27
180970078	2011	11	29	4	V	0.01	1.7	6.31	18
180970078	2011	11	29	5	V	0.01	1.6	7.6	27
180970078	2011	11	29	6	V	0.02	1.3	4.85	33

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	11	29	7	V	0.02	1.4	4.48	25
180970078	2011	11	29	8	V	0.01	1.4	5.16	16
180970078	2011	11	29	9	V	0.01	1.3	5.33	10
180970078	2011	11	29	10	V	0.01	0.9	5.51	10
180970078	2011	11	29	11	V	0.01	0.6	5.33	18
180970078	2011	11	29	12	V	0.03	0.6	3.52	9
180970078	2011	11	29	13	V	0.01	1.3	4.82	344
180970078	2011	11	29	14	V	0.004	1.3	6.69	337
180970078	2011	11	29	15	V	0.01	1.3	7.16	334
180970078	2011	11	29	16	V	0.01	0.9	7.91	331
180970078	2011	11	29	17	V	0.01	1.4	9.13	337
180970078	2011	11	29	18	V	0.01	1.9	9.12	339
180970078	2011	11	29	19	V	0.01	0.5	8.05	339
180970078	2011	11	29	20	V	0.01	0.4	6.77	329
180970078	2011	11	29	21	V	0.02	0.4	4.51	313
180970078	2011	11	29	22	V	0.02	0.7	4.73	306
180970078	2011	11	29	23	V	0.01	1.3	7.31	306
180970078	2011	11	29	24	V	0.02	0.9	6.67	300
180970078	2011	11	30	1	V	0.02	1.7	5.79	296
180970078	2011	11	30	2	V	0.02	1	6.21	294
180970078	2011	11	30	3	V	0.02	1.2	6.6	292
180970078	2011	11	30	4	V	0.02	1.1	6.26	290
180970078	2011	11	30	5	V	0.02	0.9	6.57	286
180970078	2011	11	30	6	V	0.03	1	6.21	286
180970078	2011	11	30	7	V	0.03	0.6	6.28	288
180970078	2011	11	30	8	V	0.06	1.4	5.09	290
180970078	2011	11	30	9	V	0.07	1.7	4.53	288
180970078	2011	11	30	10	V	0.06	1.5	5.05	287
180970078	2011	11	30	11	V	0.2	1.7	4.27	306
180970078	2011	11	30	12	V	0.5	1.6	2.66	287
180970078	2011	11	30	13	V	0.3	2.4	2.88	272
180970078	2011	11	30	14	V	0.1	1.5	3.3	280
180970078	2011	11	30	15	V	0.05	1.7	3.22	294
180970078	2011	11	30	16	V	0.03	1.7	3.1	296
180970078	2011	11	30	17	V	0.04	2	2.62	277
180970078	2011	11	30	18	V	0.09	1.2	1.99	288
180970078	2011	11	30	19	V	0.2	1	1.62	309
180970078	2011	11	30	20	V	1.6	2.4	0.72	255
180970078	2011	11	30	21	V	3.1	3.4	1.5	230
180970078	2011	11	30	22	V	28.1	4.2	1.57	208
180970078	2011	11	30	23	V	3.5	-999	1.35	200
180970078	2011	11	30	24	V	20.7	-999	0.69	224
180970078	2011	12	1	1	V	0.7	5.1	0.96	302
180970078	2011	12	1	2	V	1.2	5.9	0.72	162
180970078	2011	12	1	3	V	0.9	6.5	0.87	182
180970078	2011	12	1	4	V	0.5	5.1	1.11	307

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	1	5	V	0.2	5.4	1.67	184
180970078	2011	12	1	6	V	0.05	5.3	2.52	195
180970078	2011	12	1	7	V	0.3	5.7	1.3	181
180970078	2011	12	1	8	V	8.3	6	1.09	193
180970078	2011	12	1	9	V	2.0	5.2	1.14	172
180970078	2011	12	1	10	V	0.5	5.4	2.45	173
180970078	2011	12	1	11	V	0.3	2.9	3.15	185
180970078	2011	12	1	12	V	4.1	5.2	3.54	199
180970078	2011	12	1	13	V	27.5	7.8	3.27	212
180970078	2011	12	1	14	V	17.2	26	2.72	205
180970078	2011	12	1	15	V	3.1	25.1	2.17	204
180970078	2011	12	1	16	V	0.03	4	5.36	180
180970078	2011	12	1	17	V	0.03	4.3	3.36	192
180970078	2011	12	1	18	V	0.03	4.3	2.86	179
180970078	2011	12	1	19	V	30.0	4.4	2.86	212
180970078	2011	12	1	20	V	36.6	4.6	2.36	214
180970078	2011	12	1	21	C	-999	4.2	0	0
180970078	2011	12	1	22	C	-999	4.5	0	0
180970078	2011	12	1	23	V	19.6	5.1	1.76	221
180970078	2011	12	1	24	V	36.6	4.9	3.36	214
180970078	2011	12	2	1	V	3.5	4.1	2.86	226
180970078	2011	12	2	2	V	26.1	4.9	3.36	212
180970078	2011	12	2	3	V	1.3	4.6	1.76	231
180970078	2011	12	2	4	V	0.06	4	2.36	264
180970078	2011	12	2	5	V	0.1	4	3.36	241
180970078	2011	12	2	6	V	0.4	5.6	2.86	247
180970078	2011	12	2	7	V	0.05	4.6	2.36	265
180970078	2011	12	2	8	V	0.3	3.6	2.36	271
180970078	2011	12	2	9	V	0.3	3.6	2.36	338
180970078	2011	12	2	10	V	0.09	4.2	4.36	1
180970078	2011	12	2	11	V	0.07	3.5	4.86	15
180970078	2011	12	2	12	V	0.2	3	2.86	14
180970078	2011	12	2	13	M	-999	2.2	2.36	999
180970078	2011	12	2	14	V	0.2	1.8	2.33	68
180970078	2011	12	2	15	V	0.06	2.4	2.69	72
180970078	2011	12	2	16	V	0.05	1.8	3.69	66
180970078	2011	12	2	17	V	0.05	1.8	3.9	72
180970078	2011	12	2	18	V	0.04	0.7	4.63	85
180970078	2011	12	2	19	V	0.04	1.3	4.56	89
180970078	2011	12	2	20	V	0.03	1.5	3.59	96
180970078	2011	12	2	21	V	0.03	1.2	3.3	112
180970078	2011	12	2	22	V	0.04	1	3.24	113
180970078	2011	12	2	23	V	0.04	1.1	3.34	109
180970078	2011	12	2	24	V	0.03	1.4	3.32	117
180970078	2011	12	3	1	V	0.03	2.4	3.18	128
180970078	2011	12	3	2	V	0.04	3.2	3.91	126

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	3	3	V	0.04	5.1	4.53	146
180970078	2011	12	3	4	V	0.04	6.4	2.96	149
180970078	2011	12	3	5	V	0.03	7.3	2.96	125
180970078	2011	12	3	6	V	0.03	7.3	3.42	143
180970078	2011	12	3	7	V	0.04	5.8	3.37	144
180970078	2011	12	3	8	V	0.2	4.9	3.01	131
180970078	2011	12	3	9	V	0.3	4.8	2.57	144
180970078	2011	12	3	10	V	0.2	6.1	3.1	147
180970078	2011	12	3	11	V	0.3	6.1	2.81	147
180970078	2011	12	3	12	V	0.3	5.6	3	141
180970078	2011	12	3	13	V	0.2	5.1	3.64	163
180970078	2011	12	3	14	V	0.1	5.7	3.32	151
180970078	2011	12	3	15	V	0.05	4.3	4.27	134
180970078	2011	12	3	16	V	0.04	4.6	5.31	128
180970078	2011	12	3	17	V	0.04	5.2	5.33	135
180970078	2011	12	3	18	V	0.04	4.2	5.39	141
180970078	2011	12	3	19	V	0.04	4.6	6.07	141
180970078	2011	12	3	20	V	0.04	5.7	6.82	149
180970078	2011	12	3	21	V	0.04	4.4	4.85	152
180970078	2011	12	3	22	V	0.04	3.1	4.37	148
180970078	2011	12	3	23	V	0.03	3.1	4.31	144
180970078	2011	12	3	24	V	0.03	3.7	4.76	161
180970078	2011	12	4	1	V	0.02	2.6	6.43	172
180970078	2011	12	4	2	V	0.02	3.3	7.45	181
180970078	2011	12	4	3	V	0.02	2.8	8.01	178
180970078	2011	12	4	4	V	0.02	2.2	7.25	178
180970078	2011	12	4	5	V	0.02	2.1	7.93	180
180970078	2011	12	4	6	V	0.1	3	5.94	240
180970078	2011	12	4	7	V	0.1	2.7	6.53	197
180970078	2011	12	4	8	V	0.02	1.2	8.32	180
180970078	2011	12	4	9	V	0.01	1.8	8.9	185
180970078	2011	12	4	10	V	0.01	1.5	9.49	172
180970078	2011	12	4	11	V	0.07	2	8	198
180970078	2011	12	4	12	V	0.01	2.4	6.72	192
180970078	2011	12	4	13	V	0.01	2	7.3	191
180970078	2011	12	4	14	V	0.04	1.2	5.82	195
180970078	2011	12	4	15	V	0.07	1.2	5.55	195
180970078	2011	12	4	16	V	0.03	1.5	5.77	187
180970078	2011	12	4	17	V	0.03	1.4	5.1	176
180970078	2011	12	4	18	V	0.03	1.2	5.72	177
180970078	2011	12	4	19	V	8.3	1.7	3.42	224
180970078	2011	12	4	20	V	0.03	1.1	4.65	338
180970078	2011	12	4	21	V	0.04	1.6	4.51	334
180970078	2011	12	4	22	V	0.04	0.7	3.85	350
180970078	2011	12	4	23	V	0.03	1.2	3.2	356
180970078	2011	12	4	24	V	0.03	1.1	3.71	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	5	1	V	0.03	0.9	3.88	2
180970078	2011	12	5	2	V	0.03	0.4	4.27	6
180970078	2011	12	5	3	V	0.03	1.2	3.42	358
180970078	2011	12	5	4	V	0.03	0.7	3.88	10
180970078	2011	12	5	5	V	0.04	0.9	3.88	17
180970078	2011	12	5	6	V	0.04	0.9	3.27	355
180970078	2011	12	5	7	V	0.04	1.2	4.15	341
180970078	2011	12	5	8	V	0.08	0.9	3.81	19
180970078	2011	12	5	9	V	0.1	0.8	3.97	21
180970078	2011	12	5	10	V	0.09	0.7	4.53	7
180970078	2011	12	5	11	V	0.02	1.3	5.99	13
180970078	2011	12	5	12	V	0.02	1.8	6.24	13
180970078	2011	12	5	13	V	0.02	1	5.7	6
180970078	2011	12	5	14	V	0.01	1	6.12	4
180970078	2011	12	5	15	V	0.04	1.3	5.73	5
180970078	2011	12	5	16	V	0.04	0.9	6.18	8
180970078	2011	12	5	17	V	0.04	1.4	5.97	5
180970078	2011	12	5	18	V	0.04	1.3	5.84	5
180970078	2011	12	5	19	V	0.04	0.6	6.43	11
180970078	2011	12	5	20	V	0.04	0.9	7.03	358
180970078	2011	12	5	21	V	0.04	1	7.81	16
180970078	2011	12	5	22	V	0.04	0.5	8.28	41
180970078	2011	12	5	23	V	0.04	0.7	6.72	37
180970078	2011	12	5	24	V	0.04	0.8	6.81	18
180970078	2011	12	6	1	V	0.04	1.7	6.91	25
180970078	2011	12	6	2	V	0.03	0.9	6.65	22
180970078	2011	12	6	3	V	0.03	1.1	6.29	23
180970078	2011	12	6	4	V	0.03	0.6	6.48	40
180970078	2011	12	6	5	V	0.03	1.5	6.5	31
180970078	2011	12	6	6	V	0.03	1.2	6.24	26
180970078	2011	12	6	7	V	0.04	1.1	5.94	21
180970078	2011	12	6	8	V	0.06	1.2	6.09	21
180970078	2011	12	6	9	V	0.02	0.9	6.79	18
180970078	2011	12	6	10	V	0.02	0.8	6.94	22
180970078	2011	12	6	11	V	0.02	1.5	6.77	26
180970078	2011	12	6	12	V	0.04	0.8	5.75	36
180970078	2011	12	6	13	V	0.07	1.3	4.71	14
180970078	2011	12	6	14	V	0.03	1.1	5.29	5
180970078	2011	12	6	15	V	0.05	1.2	5.46	32
180970078	2011	12	6	16	V	0.04	0.7	4.85	10
180970078	2011	12	6	17	V	0.05	0.9	4.24	359
180970078	2011	12	6	18	V	0.05	0.6	4.26	12
180970078	2011	12	6	19	V	0.05	0.8	4.54	360
180970078	2011	12	6	20	V	0.05	0.9	4.99	11
180970078	2011	12	6	21	V	0.05	1.1	3.59	16
180970078	2011	12	6	22	V	0.05	1.8	3.51	348

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	6	23	V	0.04	0.9	3.42	6
180970078	2011	12	6	24	V	0.04	1.6	3.46	6
180970078	2011	12	7	1	V	0.04	1.5	3.52	6
180970078	2011	12	7	2	V	0.04	1.1	3.86	340
180970078	2011	12	7	3	V	0.04	1.2	4.36	350
180970078	2011	12	7	4	V	0.03	0.2	3.36	6
180970078	2011	12	7	5	V	0.03	0.6	4.36	4
180970078	2011	12	7	6	V	0.03	1.1	4.36	360
180970078	2011	12	7	7	V	0.04	1.2	2.86	5
180970078	2011	12	7	8	V	0.1	1.5	2.86	360
180970078	2011	12	7	9	V	0.3	1.6	2.3	8
180970078	2011	12	7	10	V	0.2	1.5	2.33	351
180970078	2011	12	7	11	V	1.6	1.8	0.82	330
180970078	2011	12	7	12	V	0.2	1.4	2.52	264
180970078	2011	12	7	13	V	0.1	2.1	3.27	272
180970078	2011	12	7	14	V	0.01	2	6.23	302
180970078	2011	12	7	15	V	0.04	2.1	6.89	287
180970078	2011	12	7	16	V	0.03	1.8	6.72	286
180970078	2011	12	7	17	V	0.03	1.2	6.06	275
180970078	2011	12	7	18	V	0.03	1.1	5.16	264
180970078	2011	12	7	19	V	0.2	0.9	5.19	253
180970078	2011	12	7	20	V	0.3	1.4	5.38	249
180970078	2011	12	7	21	V	0.3	1.7	4.34	247
180970078	2011	12	7	22	V	0.3	0.8	3.91	245
180970078	2011	12	7	23	V	0.3	-999	4.68	247
180970078	2011	12	7	24	V	0.3	-999	4.26	251
180970078	2011	12	8	1	V	0.4	2.3	4.07	249
180970078	2011	12	8	2	V	0.4	2.4	3.2	251
180970078	2011	12	8	3	V	0.05	1.6	3.01	241
180970078	2011	12	8	4	V	0.6	1.3	2.83	231
180970078	2011	12	8	5	V	16.4	1.3	3.01	221
180970078	2011	12	8	6	V	22.0	1.7	2.54	209
180970078	2011	12	8	7	V	0.06	3	2.32	170
180970078	2011	12	8	8	V	6.0	3.9	3.08	200
180970078	2011	12	8	9	V	43.9	5.2	2.73	212
180970078	2011	12	8	10	V	43.5	14.5	3.2	215
180970078	2011	12	8	11	V	43.1	8.8	2.88	215
180970078	2011	12	8	12	V	18.2	30.8	3.3	205
180970078	2011	12	8	13	V	4.5	31.8	4.76	203
180970078	2011	12	8	14	V	0.3	15.7	6.62	230
180970078	2011	12	8	15	V	0.6	4.4	6.57	233
180970078	2011	12	8	16	V	0.2	2.3	5.56	244
180970078	2011	12	8	17	V	17.3	2.2	4.22	220
180970078	2011	12	8	18	V	18.1	2.8	3.05	220
180970078	2011	12	8	19	V	3.1	11	3.39	203
180970078	2011	12	8	20	V	16.9	10.4	3.47	207

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	8	21	V	10.8	9.1	2.84	223
180970078	2011	12	8	22	V	43.1	5.8	2.1	212
180970078	2011	12	8	23	V	0.3	6.1	1.45	191
180970078	2011	12	8	24	V	0.5	4.4	1.13	187
180970078	2011	12	9	1	V	0.3	3.8	1.33	161
180970078	2011	12	9	2	V	0.04	4	3.37	184
180970078	2011	12	9	3	V	27.5	3.3	2.27	216
180970078	2011	12	9	4	V	1.8	3.2	1.76	230
180970078	2011	12	9	5	V	0.1	2.3	1.81	307
180970078	2011	12	9	6	V	0.5	2.9	1.33	251
180970078	2011	12	9	7	V	0.1	3.2	1.81	256
180970078	2011	12	9	8	V	24.4	3.2	2.01	219
180970078	2011	12	9	9	V	39.1	4.9	2.2	214
180970078	2011	12	9	10	V	0.2	5.5	2.91	239
180970078	2011	12	9	11	V	0.08	4.6	3.69	269
180970078	2011	12	9	12	V	0.07	3	4.1	305
180970078	2011	12	9	13	V	0.03	2.2	5.39	319
180970078	2011	12	9	14	V	0.02	2.2	4.85	311
180970078	2011	12	9	15	V	0.05	2.6	5.02	298
180970078	2011	12	9	16	V	0.04	1.3	4.66	305
180970078	2011	12	9	17	V	0.03	1.5	5.12	299
180970078	2011	12	9	18	V	0.04	1	4.75	306
180970078	2011	12	9	19	V	0.03	1	4.14	310
180970078	2011	12	9	20	V	0.03	0.8	3.69	308
180970078	2011	12	9	21	V	0.08	0.7	2.27	302
180970078	2011	12	9	22	V	0.06	1.3	2.66	302
180970078	2011	12	9	23	V	0.04	0.9	3.23	300
180970078	2011	12	9	24	V	0.05	0.9	2.93	294
180970078	2011	12	10	1	V	0.03	1.4	4.34	301
180970078	2011	12	10	2	V	0.03	1.7	5.12	313
180970078	2011	12	10	3	V	0.03	1.3	4.32	309
180970078	2011	12	10	4	V	0.03	0.9	3.46	300
180970078	2011	12	10	5	V	0.05	1.2	2.44	298
180970078	2011	12	10	6	V	0.1	1	1.93	284
180970078	2011	12	10	7	V	0.08	1.7	2.16	262
180970078	2011	12	10	8	V	0.4	1.7	2.54	245
180970078	2011	12	10	9	V	0.6	1.2	2.39	253
180970078	2011	12	10	10	V	0.3	1.7	3.18	266
180970078	2011	12	10	11	V	0.3	2.4	2.64	260
180970078	2011	12	10	12	V	0.2	2.5	3.35	261
180970078	2011	12	10	13	V	0.2	1.7	3.34	253
180970078	2011	12	10	14	V	0.2	1.8	3.2	245
180970078	2011	12	10	15	V	0.03	1.2	3.12	274
180970078	2011	12	10	16	V	0.09	1.5	3.32	255
180970078	2011	12	10	17	V	0.06	1.9	3.07	242
180970078	2011	12	10	18	V	0.8	1.3	3.13	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	10	19	V	0.1	1.7	2.78	243
180970078	2011	12	10	20	V	0.06	1.6	2.54	269
180970078	2011	12	10	21	V	0.4	2	1.67	252
180970078	2011	12	10	22	V	35.4	2.9	1.38	209
180970078	2011	12	10	23	V	0.09	3	2.15	190
180970078	2011	12	10	24	V	0.1	3.5	1.94	195
180970078	2011	12	11	1	V	0.7	3.7	1.13	193
180970078	2011	12	11	2	V	0.6	3	1.84	199
180970078	2011	12	11	3	V	0.06	2.8	2.21	179
180970078	2011	12	11	4	V	0.2	2.9	1.62	194
180970078	2011	12	11	5	V	0.2	2.6	1.5	191
180970078	2011	12	11	6	V	0.05	2.2	2.35	162
180970078	2011	12	11	7	V	0.03	1.4	2.98	161
180970078	2011	12	11	8	V	0.1	2	3.39	153
180970078	2011	12	11	9	V	0.2	1.5	3.52	165
180970078	2011	12	11	10	V	0.5	3.3	2.76	184
180970078	2011	12	11	11	V	0.3	3.5	3.27	171
180970078	2011	12	11	12	V	0.2	3.8	3.66	166
180970078	2011	12	11	13	V	0.3	2.9	2.78	166
180970078	2011	12	11	14	V	0.2	2.7	3.03	155
180970078	2011	12	11	15	V	0.04	2.4	3.25	164
180970078	2011	12	11	16	V	0.03	2	3.51	157
180970078	2011	12	11	17	V	0.03	1.9	3.35	145
180970078	2011	12	11	18	V	0.03	1.7	3.63	132
180970078	2011	12	11	19	V	0.03	2.4	3.32	131
180970078	2011	12	11	20	V	0.04	1.9	3.25	144
180970078	2011	12	11	21	V	0.04	1.8	3.59	150
180970078	2011	12	11	22	V	0.04	1.8	3.47	155
180970078	2011	12	11	23	V	0.05	2.1	2.74	147
180970078	2011	12	11	24	V	0.05	2.5	2.88	138
180970078	2011	12	12	1	V	0.05	3.1	3	140
180970078	2011	12	12	2	V	0.1	7.1	1.71	124
180970078	2011	12	12	3	V	0.04	3.9	2.66	129
180970078	2011	12	12	4	V	0.08	3.3	1.99	143
180970078	2011	12	12	5	V	0.2	3.2	1.6	147
180970078	2011	12	12	6	V	0.6	2.4	1.08	94
180970078	2011	12	12	7	V	0.8	3.4	1.04	96
180970078	2011	12	12	8	V	1.0	3.6	1.4	107
180970078	2011	12	12	9	V	1.2	5.3	1.65	98
180970078	2011	12	12	10	V	2.0	6.4	1.4	101
180970078	2011	12	12	11	V	2.0	7.5	1.42	118
180970078	2011	12	12	12	V	1.8	10.1	1.43	159
180970078	2011	12	12	13	V	34.2	30.9	1.42	218
180970078	2011	12	12	14	V	15.3	20.9	2.35	201
180970078	2011	12	12	15	V	0.05	12.1	2.74	190
180970078	2011	12	12	16	V	0.06	8.6	2.5	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	12	17	V	0.06	6.2	2.32	162
180970078	2011	12	12	18	V	0.06	4.7	2.32	140
180970078	2011	12	12	19	V	0.04	4.3	3.12	142
180970078	2011	12	12	20	V	0.05	5	2.83	127
180970078	2011	12	12	21	V	0.06	4.7	2.76	125
180970078	2011	12	12	22	V	0.06	4	2.52	145
180970078	2011	12	12	23	V	0.2	4.2	1.52	157
180970078	2011	12	12	24	V	0.2	5.3	1.48	120
180970078	2011	12	13	1	V	0.2	4.7	1.31	148
180970078	2011	12	13	2	V	0.9	4.1	0.86	141
180970078	2011	12	13	3	V	0.2	3.9	1.42	149
180970078	2011	12	13	4	V	0.4	3.4	1.11	151
180970078	2011	12	13	5	V	0.07	3.4	2.01	134
180970078	2011	12	13	6	V	0.06	3.4	2.1	134
180970078	2011	12	13	7	V	0.04	4	2.62	129
180970078	2011	12	13	8	V	0.1	5.5	1.6	172
180970078	2011	12	13	9	V	21.7	4.7	1.64	204
180970078	2011	12	13	10	V	0.8	6	1.6	156
180970078	2011	12	13	11	V	19.7	7	1.89	202
180970078	2011	12	13	12	V	36.8	13.6	2.13	217
180970078	2011	12	13	13	V	37.6	13.6	2.59	215
180970078	2011	12	13	14	V	15.1	15.1	2.54	205
180970078	2011	12	13	15	V	0.06	23.3	2.62	153
180970078	2011	12	13	16	V	0.05	19.6	3.05	175
180970078	2011	12	13	17	V	0.04	8.2	3.42	191
180970078	2011	12	13	18	V	0.05	4.7	3.18	175
180970078	2011	12	13	19	V	0.05	4.9	3.69	166
180970078	2011	12	13	20	V	0.05	3.6	3.25	174
180970078	2011	12	13	21	V	0.05	2.9	3.05	157
180970078	2011	12	13	22	V	0.05	3	4.14	161
180970078	2011	12	13	23	V	0.04	2.1	3.73	168
180970078	2011	12	13	24	V	0.04	2.2	3.42	170
180970078	2011	12	14	1	V	0.04	2.7	3.66	187
180970078	2011	12	14	2	V	0.04	1.8	3.12	179
180970078	2011	12	14	3	V	0.04	2.1	2.5	173
180970078	2011	12	14	4	V	0.04	2.1	2.33	125
180970078	2011	12	14	5	V	0.04	1.9	3.54	137
180970078	2011	12	14	6	V	0.04	1.5	4.27	134
180970078	2011	12	14	7	V	0.04	2.3	3.73	127
180970078	2011	12	14	8	V	0.07	1.3	3.44	142
180970078	2011	12	14	9	V	0.08	1.9	4.27	141
180970078	2011	12	14	10	V	0.08	2.6	4.46	144
180970078	2011	12	14	11	V	0.09	2.6	4.2	161
180970078	2011	12	14	12	V	0.04	3.1	5.27	186
180970078	2011	12	14	13	V	0.2	2.9	5.9	197
180970078	2011	12	14	14	V	0.02	3.5	7.71	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	14	15	V	0.04	2.8	7.35	191
180970078	2011	12	14	16	V	0.03	3	7.81	182
180970078	2011	12	14	17	V	0.04	1.9	7.25	192
180970078	2011	12	14	18	V	0.5	2.5	7.42	198
180970078	2011	12	14	19	V	12.9	2.2	9.08	207
180970078	2011	12	14	20	V	11.6	11.5	7.82	206
180970078	2011	12	14	21	V	0.04	2.3	6.65	181
180970078	2011	12	14	22	V	0.03	2.4	7.93	167
180970078	2011	12	14	23	V	0.03	-999	8.2	170
180970078	2011	12	14	24	V	0.02	-999	8.64	180
180970078	2011	12	15	1	V	0.06	1.5	9.56	195
180970078	2011	12	15	2	V	0.02	1.4	10.43	195
180970078	2011	12	15	3	V	0.01	1.7	11.11	194
180970078	2011	12	15	4	V	0.2	1.6	9.97	201
180970078	2011	12	15	5	V	0.2	1.8	9.37	201
180970078	2011	12	15	6	V	4.9	1.1	9.46	214
180970078	2011	12	15	7	V	6.7	1.5	8.79	217
180970078	2011	12	15	8	V	6.8	2.7	9.64	221
180970078	2011	12	15	9	V	1.2	1.9	9.63	226
180970078	2011	12	15	10	V	0.8	2.3	9.32	228
180970078	2011	12	15	11	V	0.02	2.2	10.83	252
180970078	2011	12	15	12	V	0.003	1.1	10.34	272
180970078	2011	12	15	13	V	0.003	1.8	10.31	268
180970078	2011	12	15	14	V	0.003	2.2	10.75	278
180970078	2011	12	15	15	V	0.01	1.9	11.11	276
180970078	2011	12	15	16	V	0.01	0.7	10.72	277
180970078	2011	12	15	17	V	0.01	1.5	9.73	276
180970078	2011	12	15	18	V	0.01	1.2	8.9	280
180970078	2011	12	15	19	V	0.01	1	9.29	281
180970078	2011	12	15	20	V	0.01	1.3	8.83	289
180970078	2011	12	15	21	V	0.01	0.6	8.88	296
180970078	2011	12	15	22	V	0.01	1.4	7.18	292
180970078	2011	12	15	23	V	0.01	1.1	6.5	295
180970078	2011	12	15	24	V	0.01	0.7	5.82	290
180970078	2011	12	16	1	V	0.01	1.4	4.83	287
180970078	2011	12	16	2	V	0.01	1.9	4.83	283
180970078	2011	12	16	3	V	0.01	1.2	4.87	307
180970078	2011	12	16	4	V	0.02	1.9	3.74	314
180970078	2011	12	16	5	V	0.02	1	2.42	316
180970078	2011	12	16	6	V	0.03	1.3	2.01	297
180970078	2011	12	16	7	V	0.03	1.3	2.16	296
180970078	2011	12	16	8	V	0.04	1.3	2.03	306
180970078	2011	12	16	9	V	0.1	0.4	1.79	288
180970078	2011	12	16	10	V	0.6	1.1	1.5	251
180970078	2011	12	16	11	V	0.3	1.2	1.52	274
180970078	2011	12	16	12	V	0.1	1.5	1.82	300

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	16	13	V	0.06	2	2.67	310
180970078	2011	12	16	14	V	0.02	1.2	3.27	311
180970078	2011	12	16	15	V	0.02	1.8	3.32	328
180970078	2011	12	16	16	V	0.01	1.7	3.83	318
180970078	2011	12	16	17	V	0.01	1.2	4.05	312
180970078	2011	12	16	18	V	0.01	0.8	4.27	322
180970078	2011	12	16	19	V	0.01	1.3	3.2	313
180970078	2011	12	16	20	V	0.02	1.6	2.89	298
180970078	2011	12	16	21	V	0.03	1.8	2.3	299
180970078	2011	12	16	22	V	0.03	0.7	2.28	295
180970078	2011	12	16	23	V	0.02	1.7	2.54	304
180970078	2011	12	16	24	V	0.02	1.4	2.76	307
180970078	2011	12	17	1	V	0.02	1.6	2.42	301
180970078	2011	12	17	2	V	0.03	1.9	2.01	284
180970078	2011	12	17	3	V	0.07	1.5	1.54	285
180970078	2011	12	17	4	V	0.03	1.3	1.98	291
180970078	2011	12	17	5	V	0.05	1.7	1.7	293
180970078	2011	12	17	6	V	0.04	1.9	1.76	292
180970078	2011	12	17	7	V	0.4	1.3	1.33	246
180970078	2011	12	17	8	V	5.7	1.8	1.43	208
180970078	2011	12	17	9	V	0.3	2.3	2.62	240
180970078	2011	12	17	10	V	0.2	4.6	1.89	176
180970078	2011	12	17	11	V	0.2	5.4	3.22	191
180970078	2011	12	17	12	V	9.5	9.8	3.78	218
180970078	2011	12	17	13	V	8.0	14.7	3.44	223
180970078	2011	12	17	14	V	0.07	9.6	3.91	241
180970078	2011	12	17	15	V	12.5	11	2.66	222
180970078	2011	12	17	16	V	2.9	9.1	2.91	227
180970078	2011	12	17	17	V	0.2	3	4.29	235
180970078	2011	12	17	18	V	0.09	3.7	3.49	237
180970078	2011	12	17	19	V	8.5	3.8	3.22	214
180970078	2011	12	17	20	V	2.2	3.7	3.13	228
180970078	2011	12	17	21	V	0.2	2.9	4.05	235
180970078	2011	12	17	22	V	0.3	2.7	3.68	245
180970078	2011	12	17	23	V	0.3	2.2	3.59	251
180970078	2011	12	17	24	V	0.4	1.2	3.15	248
180970078	2011	12	18	1	V	0.04	1.5	3.56	240
180970078	2011	12	18	2	V	0.8	1.8	3.03	229
180970078	2011	12	18	3	V	0.8	1	3.13	229
180970078	2011	12	18	4	V	13.3	1.6	2.54	216
180970078	2011	12	18	5	V	2.8	1	3.69	226
180970078	2011	12	18	6	V	0.02	1.2	3.12	238
180970078	2011	12	18	7	V	8.1	1.6	2.64	224
180970078	2011	12	18	8	V	1.3	2.3	2.98	232
180970078	2011	12	18	9	V	1.5	1.8	2.37	197
180970078	2011	12	18	10	V	4.8	3.6	2.35	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	18	11	V	9.6	4	3.05	224
180970078	2011	12	18	12	V	8.1	12	3.61	225
180970078	2011	12	18	13	V	2.6	4.9	5.14	227
180970078	2011	12	18	14	V	9.0	7	4.48	220
180970078	2011	12	18	15	V	0.02	4.8	4.42	181
180970078	2011	12	18	16	V	0.01	4.6	5.22	196
180970078	2011	12	18	17	V	12.9	4.2	4.09	219
180970078	2011	12	18	18	V	10.0	6.3	4.44	216
180970078	2011	12	18	19	V	0.01	5.3	3.83	190
180970078	2011	12	18	20	V	0.01	3.7	4.19	192
180970078	2011	12	18	21	V	0.01	3	4.17	194
180970078	2011	12	18	22	V	0.01	3.7	5.79	196
180970078	2011	12	18	23	V	0.2	3	4.85	202
180970078	2011	12	18	24	V	0.3	2.9	5.17	203
180970078	2011	12	19	1	V	0.01	4.7	4.8	195
180970078	2011	12	19	2	V	0.01	3.6	4.59	190
180970078	2011	12	19	3	V	0.02	3.7	5.26	187
180970078	2011	12	19	4	V	0.02	4.2	4.15	188
180970078	2011	12	19	5	V	0.04	4.5	4.05	195
180970078	2011	12	19	6	V	4.4	5.4	4.58	204
180970078	2011	12	19	7	V	19.4	13.4	4.68	209
180970078	2011	12	19	8	V	16.3	28.9	7.11	219
180970078	2011	12	19	9	V	5.0	28.4	7.13	221
180970078	2011	12	19	10	V	6.6	29.9	7.38	219
180970078	2011	12	19	11	V	3.0	16.1	6.33	225
180970078	2011	12	19	12	V	1.8	14.2	7.3	226
180970078	2011	12	19	13	V	2.9	4.6	7.06	224
180970078	2011	12	19	14	V	1.1	3.3	6.91	228
180970078	2011	12	19	15	V	2.3	3.9	5.58	229
180970078	2011	12	19	16	V	8.8	3.2	5.72	223
180970078	2011	12	19	17	V	0.6	3.5	7.6	232
180970078	2011	12	19	18	V	7.5	2.3	5.34	224
180970078	2011	12	19	19	V	3.0	1.2	4.37	228
180970078	2011	12	19	20	V	30.4	2.9	3.34	210
180970078	2011	12	19	21	V	14.8	4.3	3.49	221
180970078	2011	12	19	22	V	0.2	2.1	3.86	236
180970078	2011	12	19	23	V	34.4	1.5	3.05	213
180970078	2011	12	19	24	V	14.5	1.9	3.17	221
180970078	2011	12	20	1	V	0.4	2.1	2.54	246
180970078	2011	12	20	2	V	0.1	2.2	1.77	238
180970078	2011	12	20	3	V	0.03	1.2	3.12	327
180970078	2011	12	20	4	V	0.03	1.7	4.61	44
180970078	2011	12	20	5	V	0.03	1.6	4.59	50
180970078	2011	12	20	6	V	0.04	1	3.73	52
180970078	2011	12	20	7	V	0.04	0.7	3.86	51
180970078	2011	12	20	8	V	0.06	0.9	3.95	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	20	9	V	0.1	1.4	3.37	87
180970078	2011	12	20	10	V	0.1	1	3.86	79
180970078	2011	12	20	11	V	0.2	1.5	3.51	78
180970078	2011	12	20	12	V	0.09	1.3	3.15	87
180970078	2011	12	20	13	V	0.09	1.8	2.74	92
180970078	2011	12	20	14	V	0.03	1.8	3.03	86
180970078	2011	12	20	15	V	0.05	2.1	3.13	89
180970078	2011	12	20	16	V	0.04	2.5	3.81	107
180970078	2011	12	20	17	V	0.04	4.8	4.07	100
180970078	2011	12	20	18	V	0.04	3.1	4.65	105
180970078	2011	12	20	19	V	0.04	3.6	5.09	126
180970078	2011	12	20	20	V	0.04	3.6	4.41	132
180970078	2011	12	20	21	V	0.04	2.9	3.3	138
180970078	2011	12	20	22	V	0.04	2.7	3.2	122
180970078	2011	12	20	23	V	0.04	2.2	3.06	131
180970078	2011	12	20	24	V	0.04	2.3	3.07	117
180970078	2011	12	21	1	V	0.04	1.9	3.12	118
180970078	2011	12	21	2	V	0.04	1.9	3.73	129
180970078	2011	12	21	3	V	0.04	0.6	2.71	156
180970078	2011	12	21	4	V	0.04	1.5	2.52	318
180970078	2011	12	21	5	V	0.1	1.6	1.74	95
180970078	2011	12	21	6	V	0.4	1.6	2.67	201
180970078	2011	12	21	7	V	0.09	2.9	3.95	198
180970078	2011	12	21	8	V	25.1	3.1	3.49	216
180970078	2011	12	21	9	V	4.9	3.9	4.37	228
180970078	2011	12	21	10	V	2.7	3.7	4.34	231
180970078	2011	12	21	11	V	0.03	2.4	6.5	279
180970078	2011	12	21	12	V	0.02	2.9	6.62	265
180970078	2011	12	21	13	V	0.01	1.7	8.28	265
180970078	2011	12	21	14	V	0.01	2.9	7.42	263
180970078	2011	12	21	15	V	0.08	2.8	6.69	258
180970078	2011	12	21	16	V	0.2	2.2	5.24	254
180970078	2011	12	21	17	V	0.1	1.7	6.77	256
180970078	2011	12	21	18	V	0.04	2.2	5.38	266
180970078	2011	12	21	19	V	0.05	1.9	4.83	265
180970078	2011	12	21	20	V	0.06	1	3.63	261
180970078	2011	12	21	21	V	0.2	1.4	3.39	254
180970078	2011	12	21	22	V	0.05	1.3	3.81	262
180970078	2011	12	21	23	V	0.04	-999	3.51	274
180970078	2011	12	21	24	V	0.1	-999	1.65	256
180970078	2011	12	22	1	V	0.1	1.8	1.98	255
180970078	2011	12	22	2	V	0.06	1.8	1.99	284
180970078	2011	12	22	3	V	11.7	1.4	1.77	223
180970078	2011	12	22	4	V	11.2	1.7	1.5	224
180970078	2011	12	22	5	V	0.5	2.4	1.06	245
180970078	2011	12	22	6	V	0.1	1.8	1.5	193

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	22	7	V	0.4	1.5	1.04	178
180970078	2011	12	22	8	V	0.3	2.5	1.2	49
180970078	2011	12	22	9	V	0.3	2	1.72	7
180970078	2011	12	22	10	V	0.7	2.4	1.31	22
180970078	2011	12	22	11	V	0.2	1.8	2.57	40
180970078	2011	12	22	12	V	0.4	2.1	1.94	127
180970078	2011	12	22	13	V	0.2	3.1	2.23	173
180970078	2011	12	22	14	V	0.4	2.4	1.48	130
180970078	2011	12	22	15	V	0.2	4.2	1.4	39
180970078	2011	12	22	16	V	0.04	2.4	2.52	4
180970078	2011	12	22	17	V	0.03	2.5	3.42	18
180970078	2011	12	22	18	V	0.04	2	2.67	9
180970078	2011	12	22	19	V	0.03	1.8	3.93	339
180970078	2011	12	22	20	V	0.04	1.8	2.25	20
180970078	2011	12	22	21	V	0.1	2	1.74	324
180970078	2011	12	22	22	V	0.04	1	2.39	290
180970078	2011	12	22	23	V	0.02	1.7	3.68	296
180970078	2011	12	22	24	V	0.02	1.7	4.83	311
180970078	2011	12	23	1	V	0.02	1.4	3.78	314
180970078	2011	12	23	2	V	0.01	1.8	4.73	328
180970078	2011	12	23	3	V	0.01	1.9	5.33	331
180970078	2011	12	23	4	V	0.01	1.7	6.23	349
180970078	2011	12	23	5	V	0.01	1.5	5.92	356
180970078	2011	12	23	6	V	0.01	1.5	5.72	8
180970078	2011	12	23	7	V	0.02	1.7	3.93	1
180970078	2011	12	23	8	V	0.02	1.2	4.2	5
180970078	2011	12	23	9	V	0.02	0.3	4.15	359
180970078	2011	12	23	10	V	0.03	1.1	3.51	1
180970078	2011	12	23	11	V	0.05	1.2	2.88	31
180970078	2011	12	23	12	V	0.1	1.4	1.94	52
180970078	2011	12	23	13	V	0.4	1.3	1.09	100
180970078	2011	12	23	14	V	2.7	1.3	1.52	233
180970078	2011	12	23	15	V	0.04	0.7	1.81	269
180970078	2011	12	23	16	V	0.3	1.2	3.3	248
180970078	2011	12	23	17	V	3.1	1.2	2.78	227
180970078	2011	12	23	18	V	0.07	1.8	3.17	237
180970078	2011	12	23	19	V	0.3	1.5	4.09	247
180970078	2011	12	23	20	V	0.03	2.7	3.91	260
180970078	2011	12	23	21	V	0.3	3.4	4.59	248
180970078	2011	12	23	22	V	0.2	2.8	5.05	253
180970078	2011	12	23	23	V	0.2	2.7	5.02	252
180970078	2011	12	23	24	V	0.04	3.2	5.31	259
180970078	2011	12	24	1	V	0.05	4.7	3.98	257
180970078	2011	12	24	2	V	0.2	5.4	4.22	244
180970078	2011	12	24	3	V	0.8	3.7	3.86	229
180970078	2011	12	24	4	V	14.1	1.7	3.24	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	24	5	V	16.0	1.8	3.32	219
180970078	2011	12	24	6	V	0.03	3.4	3.05	200
180970078	2011	12	24	7	V	0.02	3	2.45	184
180970078	2011	12	24	8	V	0.05	2.6	3.2	186
180970078	2011	12	24	9	V	0.2	2.4	3.37	192
180970078	2011	12	24	10	V	0.3	3.9	4.34	196
180970078	2011	12	24	11	V	0.9	6.1	4.49	202
180970078	2011	12	24	12	V	0.2	8.4	4.58	198
180970078	2011	12	24	13	V	0.03	6.3	5.31	195
180970078	2011	12	24	14	V	2.5	5.4	6.28	211
180970078	2011	12	24	15	V	0.3	8.2	6.55	235
180970078	2011	12	24	16	V	0.1	2.9	7.06	236
180970078	2011	12	24	17	V	1.8	2.2	6.14	228
180970078	2011	12	24	18	V	11.9	2.7	4.41	218
180970078	2011	12	24	19	V	3.4	15.1	4.32	210
180970078	2011	12	24	20	V	4.6	19.5	4	212
180970078	2011	12	24	21	V	10.2	6.7	3.64	216
180970078	2011	12	24	22	V	9.8	19.6	4.12	216
180970078	2011	12	24	23	V	11.6	15.4	4.27	221
180970078	2011	12	24	24	V	0.6	9.9	4.76	231
180970078	2011	12	25	1	V	0.06	3.7	4.2	240
180970078	2011	12	25	2	V	0.3	2.2	4.85	233
180970078	2011	12	25	3	V	0.3	6.4	4.53	233
180970078	2011	12	25	4	V	0.07	5.8	4	241
180970078	2011	12	25	5	V	1.4	3.3	4.05	228
180970078	2011	12	25	6	V	6.5	8.8	4.48	224
180970078	2011	12	25	7	V	2.2	8.6	3.63	227
180970078	2011	12	25	8	V	0.6	7.4	4.27	233
180970078	2011	12	25	9	V	3.5	3.5	5.33	225
180970078	2011	12	25	10	V	2.2	7.2	5.87	227
180970078	2011	12	25	11	V	0.7	5.1	7.11	230
180970078	2011	12	25	12	V	0.07	3.8	7.57	236
180970078	2011	12	25	13	V	0.03	3.4	8.08	250
180970078	2011	12	25	14	V	0.03	3.1	8.28	251
180970078	2011	12	25	15	V	0.01	2.7	9.27	277
180970078	2011	12	25	16	V	0.01	2.3	9.42	286
180970078	2011	12	25	17	V	0.01	1.7	8.27	289
180970078	2011	12	25	18	V	0.01	1.6	5.85	286
180970078	2011	12	25	19	V	0.01	1.2	4.48	286
180970078	2011	12	25	20	V	0.01	1.6	3.92	284
180970078	2011	12	25	21	V	0.01	1.1	4.14	267
180970078	2011	12	25	22	V	0.01	1.2	3.64	275
180970078	2011	12	25	23	V	0.01	1.2	3.34	294
180970078	2011	12	25	24	V	0.02	1.6	2.95	297
180970078	2011	12	26	1	V	0.02	1.1	2.5	297
180970078	2011	12	26	2	V	0.02	1.4	2.49	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	26	3	V	0.07	1.4	3.37	242
180970078	2011	12	26	4	V	0.5	1.1	3.24	247
180970078	2011	12	26	5	V	0.6	0.9	2.5	248
180970078	2011	12	26	6	V	0.1	1.3	1.21	179
180970078	2011	12	26	7	V	0.03	2.4	2.28	130
180970078	2011	12	26	8	V	0.09	3.1	1.98	146
180970078	2011	12	26	9	V	0.5	2.6	1.26	159
180970078	2011	12	26	10	V	0.1	1.7	2.64	143
180970078	2011	12	26	11	V	0.05	2.4	4.17	137
180970078	2011	12	26	12	V	0.01	1.9	5.38	151
180970078	2011	12	26	13	V	0.01	1	5.85	151
180970078	2011	12	26	14	V	0.01	1.1	5.92	143
180970078	2011	12	26	15	V	0.02	3.3	5.63	161
180970078	2011	12	26	16	V	0.02	2.7	4.83	147
180970078	2011	12	26	17	V	0.02	4.1	4.54	153
180970078	2011	12	26	18	V	0.02	5.4	3.12	169
180970078	2011	12	26	19	V	0.02	5	2.86	167
180970078	2011	12	26	20	V	0.02	3.1	2.42	173
180970078	2011	12	26	21	V	0.02	3	2.61	197
180970078	2011	12	26	22	V	0.06	2.6	1.55	193
180970078	2011	12	26	23	V	0.07	2.7	1.48	133
180970078	2011	12	26	24	V	0.02	2.2	2.44	135
180970078	2011	12	27	1	V	0.02	2.2	3.01	140
180970078	2011	12	27	2	V	0.02	2.8	2.3	110
180970078	2011	12	27	3	V	0.02	1.2	3.37	130
180970078	2011	12	27	4	V	0.02	1.3	2.15	156
180970078	2011	12	27	5	V	0.02	1.2	2.33	70
180970078	2011	12	27	6	V	0.02	1.1	2.45	129
180970078	2011	12	27	7	V	0.03	1.9	2.01	129
180970078	2011	12	27	8	V	0.04	1	1.62	147
180970078	2011	12	27	9	V	10.2	2	1.08	218
180970078	2011	12	27	10	V	0.08	1.4	2.66	308
180970078	2011	12	27	11	V	0.08	2.2	2.74	300
180970078	2011	12	27	12	V	0.05	2	3.44	274
180970078	2011	12	27	13	V	0.04	1.6	3.98	264
180970078	2011	12	27	14	V	0.01	1.4	5.87	265
180970078	2011	12	27	15	V	0.01	0.9	6.99	276
180970078	2011	12	27	16	V	0.01	1.6	7.25	275
180970078	2011	12	27	17	V	0.01	1	7.15	284
180970078	2011	12	27	18	V	0.01	2.5	7.01	290
180970078	2011	12	27	19	V	0.01	1.3	7.67	285
180970078	2011	12	27	20	V	0.01	1.4	8.25	289
180970078	2011	12	27	21	V	0.01	2	7.84	296
180970078	2011	12	27	22	V	0.01	1.5	7.09	296
180970078	2011	12	27	23	V	0.01	1.6	7.45	297
180970078	2011	12	27	24	V	0.01	1	7.16	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	28	1	V	0.02	2	6.18	296
180970078	2011	12	28	2	V	0.01	1.5	6.19	292
180970078	2011	12	28	3	V	0.02	1.9	5.14	288
180970078	2011	12	28	4	V	0.02	1.8	5.05	289
180970078	2011	12	28	5	V	0.02	1.7	4.48	287
180970078	2011	12	28	6	V	0.03	1.5	4.1	281
180970078	2011	12	28	7	V	0.03	1.9	3.03	275
180970078	2011	12	28	8	V	0.09	1.3	3.42	273
180970078	2011	12	28	9	V	0.3	2.2	2.83	282
180970078	2011	12	28	10	V	0.2	2.5	2.66	289
180970078	2011	12	28	11	V	0.2	2.2	2.44	270
180970078	2011	12	28	12	V	0.2	3.3	2.79	259
180970078	2011	12	28	13	V	0.2	2.5	3.88	254
180970078	2011	12	28	14	V	0.02	1.7	4.36	268
180970078	2011	12	28	15	V	0.08	1.4	3.23	259
180970078	2011	12	28	16	V	0.1	1.4	3.66	255
180970078	2011	12	28	17	V	0.1	1.2	4.05	237
180970078	2011	12	28	18	V	2.9	2.6	3.12	227
180970078	2011	12	28	19	V	0.1	7.7	2.86	200
180970078	2011	12	28	20	V	0.05	4.1	2.91	177
180970078	2011	12	28	21	V	0.05	3.6	3.15	168
180970078	2011	12	28	22	V	0.05	2.5	2.64	169
180970078	2011	12	28	23	V	0.04	-999	3.1	176
180970078	2011	12	28	24	V	0.04	-999	3.32	179
180970078	2011	12	29	1	V	0.04	2.2	3.76	173
180970078	2011	12	29	2	V	0.04	1.9	3.88	171
180970078	2011	12	29	3	V	0.04	2.7	3.66	171
180970078	2011	12	29	4	V	0.03	3.1	4.53	182
180970078	2011	12	29	5	V	0.03	4.4	4.97	185
180970078	2011	12	29	6	V	0.04	3.6	4.54	192
180970078	2011	12	29	7	V	0.04	3.2	4.71	178
180970078	2011	12	29	8	V	0.05	3.4	3.59	181
180970078	2011	12	29	9	V	0.1	1.8	3.86	187
180970078	2011	12	29	10	V	0.03	3.8	5.89	183
180970078	2011	12	29	11	V	0.1	4.1	6.26	195
180970078	2011	12	29	12	V	0.1	4	7.18	196
180970078	2011	12	29	13	V	0.4	6	7.42	199
180970078	2011	12	29	14	V	5.7	7.3	9.12	214
180970078	2011	12	29	15	V	5.1	10.7	10.07	225
180970078	2011	12	29	16	V	3.7	4	10.46	226
180970078	2011	12	29	17	V	6.7	5.6	9.39	223
180970078	2011	12	29	18	V	8.9	11.1	7.57	221
180970078	2011	12	29	19	V	5.3	6.5	6.87	224
180970078	2011	12	29	20	V	0.4	3.3	5.67	232
180970078	2011	12	29	21	V	0.6	2.9	6.3	232
180970078	2011	12	29	22	V	0.1	2.2	5.34	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	29	23	V	0.1	2	5.26	238
180970078	2011	12	29	24	V	1.1	2.4	4.46	231
180970078	2011	12	30	1	V	8.0	3.7	3.83	224
180970078	2011	12	30	2	V	0.7	7	3.63	201
180970078	2011	12	30	3	V	0.2	13.4	4.14	198
180970078	2011	12	30	4	V	0.2	5.8	4.56	198
180970078	2011	12	30	5	V	0.03	4.6	4.92	188
180970078	2011	12	30	6	V	0.03	3.4	4.66	178
180970078	2011	12	30	7	V	0.04	1.9	4.41	161
180970078	2011	12	30	8	V	0.04	2.5	5.33	147
180970078	2011	12	30	9	V	0.02	3.4	5.56	153
180970078	2011	12	30	10	V	0.03	2.9	5.58	147
180970078	2011	12	30	11	V	0.02	3.6	6.21	147
180970078	2011	12	30	12	V	0.01	2.9	7.43	161
180970078	2011	12	30	13	V	0.01	2.4	6.84	178
180970078	2011	12	30	14	V	6.4	3.2	9.05	213
180970078	2011	12	30	15	V	6.3	5.5	9.53	224
180970078	2011	12	30	16	V	0.2	3.7	9.95	235
180970078	2011	12	30	17	V	1.2	2.1	9.56	230
180970078	2011	12	30	18	V	1.7	2.5	9.08	229
180970078	2011	12	30	19	V	0.2	2.1	9.81	236
180970078	2011	12	30	20	V	0.1	1.5	9.73	246
180970078	2011	12	30	21	V	0.1	2.6	7.93	254
180970078	2011	12	30	22	V	0.08	2.2	9.8	255
180970078	2011	12	30	23	V	0.2	2.2	7.65	251
180970078	2011	12	30	24	V	0.1	1.6	8.06	253
180970078	2011	12	31	1	V	0.1	1.7	7.55	252
180970078	2011	12	31	2	V	0.1	0.5	7.08	254
180970078	2011	12	31	3	V	0.02	1.3	7.2	263
180970078	2011	12	31	4	V	0.01	1.3	6.87	275
180970078	2011	12	31	5	V	0.01	1.3	6.26	281
180970078	2011	12	31	6	V	0.01	1.4	5.58	283
180970078	2011	12	31	7	V	0.02	1.1	3.68	279
180970078	2011	12	31	8	V	0.02	1.5	4.68	271
180970078	2011	12	31	9	V	0.03	1.5	3.69	272
180970078	2011	12	31	10	V	0.2	1.4	3.93	246
180970078	2011	12	31	11	V	0.2	1.5	3.25	245
180970078	2011	12	31	12	V	0.2	1.4	3.32	242
180970078	2011	12	31	13	V	9.7	2.3	3.47	221
180970078	2011	12	31	14	V	5.9	2.3	3.35	211
180970078	2011	12	31	15	V	0.02	2.1	4.25	179
180970078	2011	12	31	16	V	0.02	2.2	4.71	164
180970078	2011	12	31	17	V	0.02	2.5	4.95	169
180970078	2011	12	31	18	V	0.02	1.7	4.92	172
180970078	2011	12	31	19	V	0.01	1.6	3.36	143
180970078	2011	12	31	20	V	0.01	1.5	4.86	127

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2011	12	31	21	V	0.01	2.1	4.86	119
180970078	2011	12	31	22	V	0.01	3.4	5.36	132
180970078	2011	12	31	23	V	0.01	2.8	6.46	154
180970078	2011	12	31	24	V	0.01	1.6	5.36	178
180970078	2012	1	1	1	V	0.01	2.5	5.36	141
180970078	2012	1	1	2	V	0.01	2.5	4.36	158
180970078	2012	1	1	3	V	0.01	2.8	4.36	154
180970078	2012	1	1	4	V	0.01	2.9	3.23	149
180970078	2012	1	1	5	V	0.01	2.2	4.07	151
180970078	2012	1	1	6	V	0.01	2.2	4.12	164
180970078	2012	1	1	7	V	4.0	2.4	8.15	214
180970078	2012	1	1	8	V	0.07	4.3	11.77	243
180970078	2012	1	1	9	V	0.002	1.8	12.82	263
180970078	2012	1	1	10	V	0.01	1.1	12.06	252
180970078	2012	1	1	11	V	0.002	1.4	11.77	262
180970078	2012	1	1	12	V	0.002	1.3	11.24	273
180970078	2012	1	1	13	V	0.002	0.7	10.8	274
180970078	2012	1	1	14	V	0.002	1.5	11.41	267
180970078	2012	1	1	15	V	0.01	1.5	11.92	269
180970078	2012	1	1	16	V	0.01	1.3	12.33	268
180970078	2012	1	1	17	V	0.01	1.6	13.3	277
180970078	2012	1	1	18	V	0.01	1.4	12.62	285
180970078	2012	1	1	19	V	0.01	2	11.97	283
180970078	2012	1	1	20	V	0.01	0.9	11.07	283
180970078	2012	1	1	21	V	0.01	1.7	10.31	283
180970078	2012	1	1	22	V	0.01	0.4	9.88	289
180970078	2012	1	1	23	V	0.01	1.9	9.78	285
180970078	2012	1	1	24	V	0.01	1.4	11.6	288
180970078	2012	1	2	1	V	0.01	1.3	10.37	285
180970078	2012	1	2	2	V	0.01	1.8	10.56	286
180970078	2012	1	2	3	V	0.01	0.9	10.36	285
180970078	2012	1	2	4	V	0.01	1.3	8.74	282
180970078	2012	1	2	5	V	0.01	1.7	8.47	280
180970078	2012	1	2	6	V	0.01	1.1	9.51	288
180970078	2012	1	2	7	V	0.01	1.3	10.38	283
180970078	2012	1	2	8	V	0.01	0.9	9.9	289
180970078	2012	1	2	9	V	0.002	1.7	10.22	294
180970078	2012	1	2	10	V	0.002	0.6	10.02	292
180970078	2012	1	2	11	V	0.003	1.6	8.98	290
180970078	2012	1	2	12	V	0.003	1.3	8.5	290
180970078	2012	1	2	13	V	0.003	1.4	8.67	289
180970078	2012	1	2	14	V	0.003	0.2	9.39	301
180970078	2012	1	2	15	V	0.01	1.6	8.08	305
180970078	2012	1	2	16	V	0.01	1.8	8.83	307
180970078	2012	1	2	17	V	0.01	1.2	8.32	305
180970078	2012	1	2	18	V	0.01	1.6	7.15	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	2	19	V	0.01	1.3	6.77	297
180970078	2012	1	2	20	V	0.01	1.4	7.06	299
180970078	2012	1	2	21	V	0.01	1.1	7.37	305
180970078	2012	1	2	22	V	0.01	1.4	7.52	305
180970078	2012	1	2	23	V	0.01	1.1	7.21	301
180970078	2012	1	2	24	V	0.01	2	6.65	300
180970078	2012	1	3	1	V	0.01	1.4	7.13	302
180970078	2012	1	3	2	V	0.01	1.3	6.72	304
180970078	2012	1	3	3	V	0.01	1.2	6.75	304
180970078	2012	1	3	4	V	0.01	1.9	7.09	303
180970078	2012	1	3	5	V	0.01	1.5	6.28	304
180970078	2012	1	3	6	V	0.02	0.6	5.26	303
180970078	2012	1	3	7	V	0.02	1.6	4.2	299
180970078	2012	1	3	8	V	0.06	1.9	4.05	284
180970078	2012	1	3	9	V	0.1	1.6	4	277
180970078	2012	1	3	10	V	0.05	1.4	5.19	291
180970078	2012	1	3	11	V	0.02	1.8	5.77	290
180970078	2012	1	3	12	V	0.04	2	5.04	294
180970078	2012	1	3	13	V	0.04	2	4.61	280
180970078	2012	1	3	14	V	0.03	1.6	4.77	265
180970078	2012	1	3	15	V	0.03	1.8	4	271
180970078	2012	1	3	16	V	0.05	2.1	3.97	258
180970078	2012	1	3	17	V	0.4	2.5	3.98	248
180970078	2012	1	3	18	V	4.1	1.6	3.3	225
180970078	2012	1	3	19	V	0.2	3.1	3.03	202
180970078	2012	1	3	20	V	0.02	2.9	3.59	176
180970078	2012	1	3	21	V	0.02	3.1	3.9	171
180970078	2012	1	3	22	V	0.03	3.1	4.36	177
180970078	2012	1	3	23	V	0.02	2	5.31	187
180970078	2012	1	3	24	V	0.02	3.4	5.7	187
180970078	2012	1	4	1	V	0.06	2.9	5.55	197
180970078	2012	1	4	2	V	0.02	3.1	5.09	188
180970078	2012	1	4	3	V	0.02	3.1	5.36	182
180970078	2012	1	4	4	V	0.02	3.1	5	188
180970078	2012	1	4	5	V	0.4	2.9	5.5	200
180970078	2012	1	4	6	V	1.5	2.6	5.17	203
180970078	2012	1	4	7	V	3.4	3.3	4.6	205
180970078	2012	1	4	8	V	2.0	3.5	4.83	203
180970078	2012	1	4	9	V	11.7	8.8	4.71	210
180970078	2012	1	4	10	V	3.7	9.7	6.45	206
180970078	2012	1	4	11	V	0.4	11.2	5.85	233
180970078	2012	1	4	12	V	0.2	5.5	6.91	235
180970078	2012	1	4	13	V	0.02	4.2	7.23	239
180970078	2012	1	4	14	V	0.02	3.9	6.63	240
180970078	2012	1	4	15	V	0.1	4.1	6.77	239
180970078	2012	1	4	16	V	0.2	3.8	6.7	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	4	17	V	0.1	4	6.47	240
180970078	2012	1	4	18	V	0.09	4.2	5.12	239
180970078	2012	1	4	19	V	0.09	2.2	4	240
180970078	2012	1	4	20	V	0.2	2.8	4.32	244
180970078	2012	1	4	21	V	0.04	2.3	4.9	260
180970078	2012	1	4	22	V	0.02	3.1	4.42	287
180970078	2012	1	4	23	V	0.02	-999	4.05	285
180970078	2012	1	4	24	V	0.02	-999	4.22	280
180970078	2012	1	5	1	V	0.02	1.8	4.05	283
180970078	2012	1	5	2	V	0.02	1.8	3.69	280
180970078	2012	1	5	3	V	0.1	1	3.1	243
180970078	2012	1	5	4	V	1.1	2	2.84	228
180970078	2012	1	5	5	V	4.0	2.5	3.01	225
180970078	2012	1	5	6	V	1.4	1.7	3.35	227
180970078	2012	1	5	7	V	13.6	2.5	3.46	220
180970078	2012	1	5	8	V	15.2	3.8	3.44	211
180970078	2012	1	5	9	V	1.4	4.3	3.39	196
180970078	2012	1	5	10	V	17.0	9.7	3.32	207
180970078	2012	1	5	11	V	0.08	8.4	5.44	194
180970078	2012	1	5	12	V	1.1	9	5.9	201
180970078	2012	1	5	13	V	9.6	22	6.4	214
180970078	2012	1	5	14	V	1.6	16.1	8.57	225
180970078	2012	1	5	15	V	0.8	14.2	7.94	232
180970078	2012	1	5	16	V	3.3	4.1	7.3	226
180970078	2012	1	5	17	V	6.5	4.8	6.19	223
180970078	2012	1	5	18	V	8.2	4.5	5.31	222
180970078	2012	1	5	19	V	15.7	10.5	4.95	216
180970078	2012	1	5	20	V	16.3	12.7	4.46	213
180970078	2012	1	5	21	V	15.1	12.6	4.58	216
180970078	2012	1	5	22	V	7.7	13.2	6.25	221
180970078	2012	1	5	23	V	6.6	11.4	6.53	222
180970078	2012	1	5	24	V	0.8	10.7	7.18	230
180970078	2012	1	6	1	V	0.3	4.8	6.43	233
180970078	2012	1	6	2	V	0.5	4.1	5.92	231
180970078	2012	1	6	3	V	1.1	5.3	6.3	229
180970078	2012	1	6	4	V	1.1	5.2	6.04	229
180970078	2012	1	6	5	V	1.6	5.4	5.12	228
180970078	2012	1	6	6	V	11.8	5.3	4.36	220
180970078	2012	1	6	7	V	2.7	4.9	3.8	206
180970078	2012	1	6	8	V	4.8	8.7	4.78	208
180970078	2012	1	6	9	V	13.4	11.5	4.31	213
180970078	2012	1	6	10	V	10.8	15	4.42	220
180970078	2012	1	6	11	V	2.7	14.7	7.18	223
180970078	2012	1	6	12	V	2.6	14.4	8.27	221
180970078	2012	1	6	13	V	2.8	10.9	8.15	222
180970078	2012	1	6	14	V	2.2	7.7	8.06	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	6	15	V	3.5	4.1	7.81	226
180970078	2012	1	6	16	V	6.7	5.9	6.82	220
180970078	2012	1	6	17	V	9.3	10.3	4.71	217
180970078	2012	1	6	18	V	2.7	8.5	3.42	212
180970078	2012	1	6	19	V	10.9	8.4	4.43	219
180970078	2012	1	6	20	V	9.6	7.7	4.39	217
180970078	2012	1	6	21	V	0.1	9.7	3.54	234
180970078	2012	1	6	22	V	0.04	10	4.27	238
180970078	2012	1	6	23	V	0.06	6.7	4.93	238
180970078	2012	1	6	24	V	0.1	4.8	4.9	242
180970078	2012	1	7	1	V	0.2	4.5	4.88	243
180970078	2012	1	7	2	V	0.3	5.5	4.09	250
180970078	2012	1	7	3	V	0.2	3.5	3.88	253
180970078	2012	1	7	4	V	0.01	2.5	5.6	294
180970078	2012	1	7	5	V	0.01	2.9	4.19	300
180970078	2012	1	7	6	V	0.01	1.1	2.74	297
180970078	2012	1	7	7	V	0.01	2	2.74	283
180970078	2012	1	7	8	V	0.02	2.1	3.34	275
180970078	2012	1	7	9	V	0.03	2.4	3.68	285
180970078	2012	1	7	10	V	0.04	3.2	4.05	287
180970078	2012	1	7	11	V	0.02	2	4.53	300
180970078	2012	1	7	12	V	0.03	2.3	4.61	294
180970078	2012	1	7	13	V	0.01	2.2	5.29	286
180970078	2012	1	7	14	V	0.01	2	5.51	288
180970078	2012	1	7	15	V	0.02	2.3	5.05	291
180970078	2012	1	7	16	V	0.01	1.9	5.16	293
180970078	2012	1	7	17	V	0.01	1.7	4.44	304
180970078	2012	1	7	18	V	0.01	2	4.1	323
180970078	2012	1	7	19	V	0.01	1.8	2.98	324
180970078	2012	1	7	20	V	0.02	2.6	2.27	327
180970078	2012	1	7	21	V	0.02	1.2	2.23	319
180970078	2012	1	7	22	V	0.02	2.2	2.42	315
180970078	2012	1	7	23	V	0.01	1.7	2.84	331
180970078	2012	1	7	24	V	0.01	3	3.29	344
180970078	2012	1	8	1	V	0.01	1.6	2.52	14
180970078	2012	1	8	2	V	0.01	2.2	2.74	29
180970078	2012	1	8	3	V	0.01	1.5	3.2	35
180970078	2012	1	8	4	V	0.01	2.5	2.79	53
180970078	2012	1	8	5	V	0.01	0.5	3.1	48
180970078	2012	1	8	6	V	0.01	1.1	2.64	62
180970078	2012	1	8	7	V	0.01	0.6	3.1	62
180970078	2012	1	8	8	V	0.05	2.1	2.5	49
180970078	2012	1	8	9	V	0.1	2.7	1.93	55
180970078	2012	1	8	10	V	0.08	1.8	2.67	57
180970078	2012	1	8	11	V	0.06	2.4	3.46	87
180970078	2012	1	8	12	V	0.07	1.9	3.07	90

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	8	13	V	0.03	1.1	3.73	83
180970078	2012	1	8	14	V	0.02	0.5	3	85
180970078	2012	1	8	15	V	0.02	2.1	2.81	98
180970078	2012	1	8	16	V	0.01	1.4	2.86	81
180970078	2012	1	8	17	V	0.01	2.1	3.07	100
180970078	2012	1	8	18	V	0.02	1.3	2.33	112
180970078	2012	1	8	19	V	0.02	2	2.32	76
180970078	2012	1	8	20	V	0.01	1.6	3.12	39
180970078	2012	1	8	21	V	0.01	1.8	2.67	43
180970078	2012	1	8	22	V	0.02	1.8	2.49	37
180970078	2012	1	8	23	V	0.02	1.4	2.45	52
180970078	2012	1	8	24	V	0.02	1.5	2.2	68
180970078	2012	1	9	1	V	0.02	1.6	2.01	91
180970078	2012	1	9	2	V	0.02	1.2	2.25	66
180970078	2012	1	9	3	V	0.03	1.8	1.81	63
180970078	2012	1	9	4	V	0.03	1.5	1.7	42
180970078	2012	1	9	5	V	0.04	1.9	1.54	66
180970078	2012	1	9	6	V	0.04	1.7	1.65	109
180970078	2012	1	9	7	V	0.03	1.3	1.74	32
180970078	2012	1	9	8	V	0.09	3	1.76	16
180970078	2012	1	9	9	V	0.4	4.1	1.3	112
180970078	2012	1	9	10	V	0.2	5.2	1.96	158
180970078	2012	1	9	11	V	2.6	10.8	2.16	201
180970078	2012	1	9	12	V	6.4	19.5	2.42	227
180970078	2012	1	9	13	V	0.2	21.9	2.57	249
180970078	2012	1	9	14	V	0.2	7	2.72	246
180970078	2012	1	9	15	V	0.2	5.4	3.98	245
180970078	2012	1	9	16	V	0.1	5.5	5.38	242
180970078	2012	1	9	17	V	0.07	5.2	5.99	237
180970078	2012	1	9	18	V	0.09	5.3	5.44	236
180970078	2012	1	9	19	V	0.09	5.1	4.51	241
180970078	2012	1	9	20	V	0.3	4.5	4.32	246
180970078	2012	1	9	21	V	0.1	4.7	4.1	242
180970078	2012	1	9	22	V	0.1	4.7	3.78	243
180970078	2012	1	9	23	V	0.08	3.9	4.22	241
180970078	2012	1	9	24	V	0.3	3.7	4.2	248
180970078	2012	1	10	1	V	0.1	2.8	3.46	234
180970078	2012	1	10	2	V	0.4	2.9	3.69	230
180970078	2012	1	10	3	V	0.09	3	3.83	235
180970078	2012	1	10	4	V	0.4	2.4	3.76	230
180970078	2012	1	10	5	V	0.06	2.7	4.12	240
180970078	2012	1	10	6	V	0.6	2	3.03	249
180970078	2012	1	10	7	V	1.0	2.9	2.94	228
180970078	2012	1	10	8	V	0.3	3.3	3.56	236
180970078	2012	1	10	9	V	0.2	3.2	3.68	240
180970078	2012	1	10	10	V	0.2	3.6	3.64	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	10	11	V	0.1	5.6	2.67	278
180970078	2012	1	10	12	V	0.2	6.6	1.99	277
180970078	2012	1	10	13	V	0.3	5.7	1.86	262
180970078	2012	1	10	14	V	9.3	14.4	3.29	218
180970078	2012	1	10	15	V	1.9	14.3	3.35	208
180970078	2012	1	10	16	V	0.02	12.1	2.67	200
180970078	2012	1	10	17	V	1.3	5.4	1.96	230
180970078	2012	1	10	18	V	0.07	6.5	1.38	188
180970078	2012	1	10	19	V	0.05	5.7	1.54	82
180970078	2012	1	10	20	V	0.02	4.6	2.39	110
180970078	2012	1	10	21	V	0.01	4	2.83	107
180970078	2012	1	10	22	V	0.01	3.7	2.91	87
180970078	2012	1	10	23	V	0.01	3.4	3.47	119
180970078	2012	1	10	24	V	0.01	4.3	2.74	110
180970078	2012	1	11	1	V	0.01	4.5	2.78	124
180970078	2012	1	11	2	V	0.01	4.9	2.83	113
180970078	2012	1	11	3	V	0.01	4.9	3.61	99
180970078	2012	1	11	4	V	0.01	3.7	3.25	97
180970078	2012	1	11	5	V	0.01	6.1	2.89	103
180970078	2012	1	11	6	V	0.01	12.8	2.91	94
180970078	2012	1	11	7	V	0.01	19.9	3.34	108
180970078	2012	1	11	8	V	0.02	16.6	2.88	109
180970078	2012	1	11	9	V	0.02	8.8	3.68	81
180970078	2012	1	11	10	V	0.01	5.3	4.77	82
180970078	2012	1	11	11	V	0.01	3.2	4.75	87
180970078	2012	1	11	12	V	0.01	3	4.66	75
180970078	2012	1	11	13	V	0.02	2.8	4.1	61
180970078	2012	1	11	14	V	0.03	2.9	3.24	50
180970078	2012	1	11	15	V	0.02	2.4	3.35	29
180970078	2012	1	11	16	V	0.01	2	3.85	13
180970078	2012	1	11	17	V	0.01	1.9	4.05	17
180970078	2012	1	11	18	V	0.01	2.3	3.41	7
180970078	2012	1	11	19	V	0.02	1.6	3.76	357
180970078	2012	1	11	20	V	0.02	1.8	3.73	359
180970078	2012	1	11	21	V	0.01	1.6	2.98	350
180970078	2012	1	11	22	V	0.01	1.7	4.36	316
180970078	2012	1	11	23	V	0.01	-999	5.13	316
180970078	2012	1	11	24	V	0.01	-999	3.93	305
180970078	2012	1	12	1	V	0.01	2.1	3.18	287
180970078	2012	1	12	2	V	0.01	1.1	3.25	268
180970078	2012	1	12	3	V	0.02	1.3	3.64	263
180970078	2012	1	12	4	V	0.2	1.8	3.51	254
180970078	2012	1	12	5	V	0.2	1.9	4.22	252
180970078	2012	1	12	6	V	0.3	1.4	4.56	249
180970078	2012	1	12	7	V	0.01	1.8	6.53	267
180970078	2012	1	12	8	V	0.01	2.1	5.68	273

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	12	9	V	0.01	1.8	5.46	265
180970078	2012	1	12	10	V	0.005	1.4	6.19	268
180970078	2012	1	12	11	V	0.004	1.7	6.62	265
180970078	2012	1	12	12	V	0.03	2	6.6	254
180970078	2012	1	12	13	V	0.01	1.6	8.95	254
180970078	2012	1	12	14	V	0.01	2.9	8.73	256
180970078	2012	1	12	15	V	0.03	2.1	10.03	259
180970078	2012	1	12	16	V	0.06	1.5	10.68	256
180970078	2012	1	12	17	V	0.04	1.9	9.97	258
180970078	2012	1	12	18	V	0.04	2.2	9.9	258
180970078	2012	1	12	19	V	0.07	2	11.97	254
180970078	2012	1	12	20	V	0.09	1.9	10.94	252
180970078	2012	1	12	21	V	0.1	2.2	10.92	249
180970078	2012	1	12	22	V	0.1	1.7	9.86	245
180970078	2012	1	12	23	V	0.07	2	9.54	241
180970078	2012	1	12	24	V	0.08	1.7	10.09	243
180970078	2012	1	13	1	V	0.06	2.6	9.85	239
180970078	2012	1	13	2	V	0.07	1.5	9.92	241
180970078	2012	1	13	3	V	0.1	1.8	10.56	247
180970078	2012	1	13	4	V	0.1	2	10.53	251
180970078	2012	1	13	5	V	0.07	1.8	10.1	255
180970078	2012	1	13	6	V	0.08	2	10.21	254
180970078	2012	1	13	7	V	0.08	1.7	10.72	254
180970078	2012	1	13	8	V	0.01	2.2	10.31	253
180970078	2012	1	13	9	V	0.02	2.4	9.13	253
180970078	2012	1	13	10	V	0.02	2.7	9.27	252
180970078	2012	1	13	11	V	0.02	2.4	9.34	253
180970078	2012	1	13	12	V	0.01	1.6	9.64	256
180970078	2012	1	13	13	V	0.01	1.4	9.66	255
180970078	2012	1	13	14	V	0.005	1.8	9.2	257
180970078	2012	1	13	15	V	0.1	1.2	9.08	250
180970078	2012	1	13	16	V	0.1	2.4	9.07	250
180970078	2012	1	13	17	V	0.1	1.4	8.39	252
180970078	2012	1	13	18	V	0.2	2	7.45	251
180970078	2012	1	13	19	V	0.1	1.9	6.53	243
180970078	2012	1	13	20	V	0.2	3	6.14	245
180970078	2012	1	13	21	V	0.2	2.4	5.97	246
180970078	2012	1	13	22	V	0.2	2.5	5.94	248
180970078	2012	1	13	23	V	0.2	2.7	6.18	250
180970078	2012	1	13	24	V	0.2	4.4	5.04	246
180970078	2012	1	14	1	V	0.2	2	4.92	245
180970078	2012	1	14	2	V	0.3	2.7	4.51	250
180970078	2012	1	14	3	V	0.03	2.4	4.41	260
180970078	2012	1	14	4	V	0.01	2	4.76	269
180970078	2012	1	14	5	V	0.1	2.3	3.13	242
180970078	2012	1	14	6	V	0.4	1.9	2.35	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	14	7	V	0.2	2	1.82	234
180970078	2012	1	14	8	V	4.0	3.2	2.55	211
180970078	2012	1	14	9	V	1.5	4.4	3.78	207
180970078	2012	1	14	10	V	4.9	4.5	4.05	212
180970078	2012	1	14	11	V	0.2	6.4	3.18	244
180970078	2012	1	14	12	V	1.4	4.3	2.4	236
180970078	2012	1	14	13	V	1.4	9.4	1.08	247
180970078	2012	1	14	14	V	0.3	3.9	1.04	157
180970078	2012	1	14	15	V	0.1	3.1	1.16	60
180970078	2012	1	14	16	V	0.3	2.1	0.86	340
180970078	2012	1	14	17	V	0.05	1.8	1.47	330
180970078	2012	1	14	18	V	0.01	2.3	3.07	337
180970078	2012	1	14	19	V	0.01	1.6	3.32	329
180970078	2012	1	14	20	V	0.01	1.3	2.69	322
180970078	2012	1	14	21	V	0.01	2.1	2.62	318
180970078	2012	1	14	22	V	0.01	2.1	3.27	319
180970078	2012	1	14	23	V	0.01	1.9	2.84	315
180970078	2012	1	14	24	V	0.02	1.6	2.21	303
180970078	2012	1	15	1	V	0.03	1.6	1.89	305
180970078	2012	1	15	2	V	0.07	1.4	1.4	298
180970078	2012	1	15	3	V	0.04	2.2	1.77	271
180970078	2012	1	15	4	V	0.03	2.2	1.91	264
180970078	2012	1	15	5	V	0.3	2.9	1.48	245
180970078	2012	1	15	6	V	0.9	1.7	1.35	203
180970078	2012	1	15	7	V	0.06	2.5	1.59	195
180970078	2012	1	15	8	V	0.1	3.6	1.45	161
180970078	2012	1	15	9	V	0.1	2.6	1.57	163
180970078	2012	1	15	10	V	0.07	2.6	3.2	170
180970078	2012	1	15	11	V	0.04	2.5	3.95	144
180970078	2012	1	15	12	V	0.03	4.1	4.19	164
180970078	2012	1	15	13	V	0.03	2.4	4.14	168
180970078	2012	1	15	14	V	0.04	3.1	3.86	164
180970078	2012	1	15	15	V	0.02	2.9	3.95	151
180970078	2012	1	15	16	V	0.01	2.4	5.02	156
180970078	2012	1	15	17	V	0.01	2.1	4.88	141
180970078	2012	1	15	18	V	0.01	2.1	4.85	140
180970078	2012	1	15	19	V	0.01	1.6	5.39	136
180970078	2012	1	15	20	V	0.01	2.3	6.02	140
180970078	2012	1	15	21	V	0.01	1.7	6.36	149
180970078	2012	1	15	22	V	0.01	1.9	5.9	144
180970078	2012	1	15	23	V	0.01	2.2	5.89	147
180970078	2012	1	15	24	V	0.01	2	5.75	152
180970078	2012	1	16	1	V	0.01	1.6	5.12	143
180970078	2012	1	16	2	V	0.02	2.2	4	146
180970078	2012	1	16	3	V	0.02	1.6	4.54	153
180970078	2012	1	16	4	V	0.02	2.1	4.1	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	16	5	V	0.02	2.6	4.32	155
180970078	2012	1	16	6	V	0.02	2	3.35	144
180970078	2012	1	16	7	V	0.02	2	3.63	136
180970078	2012	1	16	8	V	0.05	2.9	3.63	138
180970078	2012	1	16	9	V	0.08	2.1	3.71	137
180970078	2012	1	16	10	V	0.08	3	3.63	141
180970078	2012	1	16	11	V	0.1	3	3.4	141
180970078	2012	1	16	12	V	0.09	3.5	3.57	137
180970078	2012	1	16	13	V	0.08	4.1	3.83	159
180970078	2012	1	16	14	V	0.01	4.8	7.04	191
180970078	2012	1	16	15	V	0.05	3.3	8.23	193
180970078	2012	1	16	16	V	0.03	3	5.92	177
180970078	2012	1	16	17	V	0.03	1.5	4.83	169
180970078	2012	1	16	18	V	0.03	1.1	3.85	164
180970078	2012	1	16	19	V	0.03	2	4.19	157
180970078	2012	1	16	20	V	0.03	1.9	4.26	165
180970078	2012	1	16	21	V	0.03	2	4.37	179
180970078	2012	1	16	22	V	0.05	2.9	6.72	195
180970078	2012	1	16	23	V	0.8	0.9	7.37	201
180970078	2012	1	16	24	V	5.3	1.6	7.55	207
180970078	2012	1	17	1	V	6.3	2.7	7.89	208
180970078	2012	1	17	2	V	5.2	4.6	7.69	207
180970078	2012	1	17	3	V	4.1	3.6	7.98	206
180970078	2012	1	17	4	V	0.03	3.1	8.59	193
180970078	2012	1	17	5	V	0.09	3.5	9.39	196
180970078	2012	1	17	6	V	0.2	1.7	10.46	197
180970078	2012	1	17	7	V	0.1	2.2	10.05	245
180970078	2012	1	17	8	V	1.5	2.7	5.62	201
180970078	2012	1	17	9	V	4.1	3.5	7.59	211
180970078	2012	1	17	10	V	5.7	7.1	6.64	217
180970078	2012	1	17	11	V	0.2	12.4	9.24	232
180970078	2012	1	17	12	V	0.005	4.5	11.82	259
180970078	2012	1	17	13	V	0.003	2.3	13.64	267
180970078	2012	1	17	14	V	0.003	2.5	13.77	275
180970078	2012	1	17	15	V	0.02	1.4	13.18	276
180970078	2012	1	17	16	V	0.02	2.1	12.43	286
180970078	2012	1	17	17	V	0.02	2.3	11.19	284
180970078	2012	1	17	18	V	0.02	1	10.27	290
180970078	2012	1	17	19	V	0.02	1.5	9.93	291
180970078	2012	1	17	20	V	0.02	1.4	9.8	290
180970078	2012	1	17	21	V	0.02	0.9	10.24	291
180970078	2012	1	17	22	V	0.02	1.1	8.61	297
180970078	2012	1	17	23	V	0.02	1.6	9.56	311
180970078	2012	1	17	24	V	0.02	1.6	7.85	305
180970078	2012	1	18	1	V	0.02	1.2	6.74	319
180970078	2012	1	18	2	V	0.02	1	6.81	322

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	18	3	V	0.02	1.5	6.04	309
180970078	2012	1	18	4	V	0.02	0.4	5.79	305
180970078	2012	1	18	5	V	0.02	0.7	5.58	305
180970078	2012	1	18	6	V	0.02	1.6	4.85	336
180970078	2012	1	18	7	V	0.03	1.7	4.34	339
180970078	2012	1	18	8	V	0.04	1	3.91	328
180970078	2012	1	18	9	V	0.3	1.7	2.56	291
180970078	2012	1	18	10	V	0.3	1.5	2.96	259
180970078	2012	1	18	11	V	19.1	1.4	1.42	225
180970078	2012	1	18	12	V	0.7	2.4	1.99	266
180970078	2012	1	18	13	V	0.7	1.9	1.48	279
180970078	2012	1	18	14	V	22.5	8.5	1.91	219
180970078	2012	1	18	15	V	3.2	14.8	3.05	205
180970078	2012	1	18	16	V	0.02	2.7	3.22	172
180970078	2012	1	18	17	V	0.02	3.3	3.13	159
180970078	2012	1	18	18	V	0.03	1.9	2.71	158
180970078	2012	1	18	19	V	0.02	1.6	3.95	142
180970078	2012	1	18	20	V	0.02	1.9	3.47	148
180970078	2012	1	18	21	V	0.03	1.6	3.9	146
180970078	2012	1	18	22	V	0.03	2.2	5.14	158
180970078	2012	1	18	23	V	0.02	-999	4.49	162
180970078	2012	1	18	24	V	0.02	-999	5.22	184
180970078	2012	1	19	1	V	0.02	1.2	4.9	195
180970078	2012	1	19	2	V	0.02	2.2	4.53	185
180970078	2012	1	19	3	V	0.03	4.3	5.34	193
180970078	2012	1	19	4	V	0.07	4.5	5.68	196
180970078	2012	1	19	5	V	5.6	5.3	5.56	206
180970078	2012	1	19	6	V	0.8	8.9	4.9	201
180970078	2012	1	19	7	V	2.2	8.4	4.61	203
180970078	2012	1	19	8	V	18.5	10.8	5.62	215
180970078	2012	1	19	9	V	0.6	12	7.45	229
180970078	2012	1	19	10	V	0.03	3.4	6.86	242
180970078	2012	1	19	11	V	0.09	3.2	5.41	252
180970078	2012	1	19	12	V	0.06	2.9	5.29	256
180970078	2012	1	19	13	V	0.02	3.5	5.85	287
180970078	2012	1	19	14	V	0.01	2.4	6.7	300
180970078	2012	1	19	15	V	0.02	1.2	5.89	313
180970078	2012	1	19	16	V	0.02	2.2	6.7	325
180970078	2012	1	19	17	V	0.02	1.6	6.31	328
180970078	2012	1	19	18	V	0.02	1.3	5.5	321
180970078	2012	1	19	19	V	0.03	1.3	6.19	330
180970078	2012	1	19	20	V	0.03	1.6	5.75	322
180970078	2012	1	19	21	V	0.02	1.6	5.53	320
180970078	2012	1	19	22	V	0.02	1.9	4.36	1
180970078	2012	1	19	23	V	0.02	1.3	3.32	25
180970078	2012	1	19	24	V	0.02	1.4	3.39	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	20	1	V	0.03	2.2	2.84	29
180970078	2012	1	20	2	V	0.03	1.6	2.91	25
180970078	2012	1	20	3	V	0.02	2.1	3.68	33
180970078	2012	1	20	4	V	0.02	1	3.39	44
180970078	2012	1	20	5	V	0.03	1.8	3.39	64
180970078	2012	1	20	6	V	0.03	2.6	4.12	77
180970078	2012	1	20	7	V	0.03	2.7	5.22	79
180970078	2012	1	20	8	V	0.04	1.2	5.24	80
180970078	2012	1	20	9	V	0.02	2.7	5.43	85
180970078	2012	1	20	10	V	0.03	1.5	5.14	86
180970078	2012	1	20	11	V	0.03	1	5.46	87
180970078	2012	1	20	12	V	0.03	1.7	5.58	94
180970078	2012	1	20	13	V	0.03	1.7	5.19	90
180970078	2012	1	20	14	V	0.03	2	5.39	98
180970078	2012	1	20	15	V	0.04	2	5.17	74
180970078	2012	1	20	16	V	0.03	1.8	5.7	74
180970078	2012	1	20	17	V	0.03	1.8	5.07	77
180970078	2012	1	20	18	V	0.03	2	5.33	68
180970078	2012	1	20	19	V	0.03	1.6	6.18	55
180970078	2012	1	20	20	V	0.03	2.2	6.28	54
180970078	2012	1	20	21	V	0.03	1.3	5.82	59
180970078	2012	1	20	22	V	0.03	1.1	5.62	49
180970078	2012	1	20	23	V	0.03	1.5	5.27	36
180970078	2012	1	20	24	V	0.02	2	5.09	33
180970078	2012	1	21	1	V	0.02	1.9	6.36	21
180970078	2012	1	21	2	V	0.02	1.8	7.01	39
180970078	2012	1	21	3	V	0.02	2.7	4.63	43
180970078	2012	1	21	4	V	0.03	1.9	4.95	15
180970078	2012	1	21	5	V	0.02	2.1	5.26	11
180970078	2012	1	21	6	V	0.03	2.9	5.38	10
180970078	2012	1	21	7	V	0.03	2.3	5.87	13
180970078	2012	1	21	8	V	0.04	3	6.02	30
180970078	2012	1	21	9	V	0.02	5.3	6.38	32
180970078	2012	1	21	10	V	0.03	5.4	5.62	36
180970078	2012	1	21	11	V	0.04	6.2	5.05	38
180970078	2012	1	21	12	V	0.05	6.2	4.87	41
180970078	2012	1	21	13	V	0.04	5.9	4.83	46
180970078	2012	1	21	14	V	0.04	4.3	4.7	49
180970078	2012	1	21	15	V	0.03	3.5	5	72
180970078	2012	1	21	16	V	0.02	3.1	4.94	82
180970078	2012	1	21	17	V	0.03	4	4.19	73
180970078	2012	1	21	18	V	0.03	3.8	4.75	79
180970078	2012	1	21	19	V	0.03	2.9	4.99	82
180970078	2012	1	21	20	V	0.03	2.9	4.83	89
180970078	2012	1	21	21	V	0.03	2.5	5.63	84
180970078	2012	1	21	22	V	0.03	3.6	5.22	93

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	21	23	V	0.02	2.5	6.14	110
180970078	2012	1	21	24	V	0.02	2.3	5.92	114
180970078	2012	1	22	1	V	0.02	2.8	6.04	120
180970078	2012	1	22	2	V	0.02	2.1	6.74	123
180970078	2012	1	22	3	V	0.02	2	6.65	127
180970078	2012	1	22	4	V	0.02	3.1	6.33	132
180970078	2012	1	22	5	V	0.02	6.9	5.85	143
180970078	2012	1	22	6	V	0.02	9.3	5.58	138
180970078	2012	1	22	7	V	0.03	4.1	4.99	132
180970078	2012	1	22	8	V	0.03	3.2	6.13	134
180970078	2012	1	22	9	V	0.02	3	5.17	131
180970078	2012	1	22	10	V	0.05	3.4	4.39	148
180970078	2012	1	22	11	V	0.02	3.1	5.5	154
180970078	2012	1	22	12	V	0.02	3.4	5.68	152
180970078	2012	1	22	13	V	0.01	3.4	5.72	148
180970078	2012	1	22	14	V	0.01	2.5	6.12	146
180970078	2012	1	22	15	V	0.03	2.7	6.16	137
180970078	2012	1	22	16	V	0.03	3.5	5.04	137
180970078	2012	1	22	17	V	0.03	2.6	4.85	132
180970078	2012	1	22	18	V	0.03	2.1	4.9	132
180970078	2012	1	22	19	V	0.03	2.8	5.44	135
180970078	2012	1	22	20	V	0.03	2.6	6.11	139
180970078	2012	1	22	21	V	0.03	2.2	7.04	140
180970078	2012	1	22	22	V	0.02	3.2	7.64	142
180970078	2012	1	22	23	V	0.02	2.9	7.79	141
180970078	2012	1	22	24	V	0.02	2.9	8.15	138
180970078	2012	1	23	1	V	0.01	3.2	8.86	143
180970078	2012	1	23	2	V	0.01	2.3	9.54	174
180970078	2012	1	23	3	V	5.3	1.9	6.69	216
180970078	2012	1	23	4	V	0.01	2.4	6.81	144
180970078	2012	1	23	5	V	0.01	2	8.08	150
180970078	2012	1	23	6	V	0.01	1.4	7.35	150
180970078	2012	1	23	7	V	0.01	2.3	6.99	158
180970078	2012	1	23	8	V	0.003	1.8	8.16	177
180970078	2012	1	23	9	V	0.004	2.9	7.89	185
180970078	2012	1	23	10	V	2.1	2.5	8.49	216
180970078	2012	1	23	11	V	0.01	2.3	11.84	243
180970078	2012	1	23	12	V	0.02	1.8	11.8	249
180970078	2012	1	23	13	V	0.01	1.9	11.43	244
180970078	2012	1	23	14	V	0.02	1.7	10.29	247
180970078	2012	1	23	15	V	0.1	2	10.09	248
180970078	2012	1	23	16	V	0.1	1.9	9.9	245
180970078	2012	1	23	17	V	0.1	1.6	10	249
180970078	2012	1	23	18	V	0.1	2	8.95	252
180970078	2012	1	23	19	V	0.1	1.7	7.62	245
180970078	2012	1	23	20	V	0.2	1	6.06	252

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	23	21	V	0.2	1.6	5.38	253
180970078	2012	1	23	22	V	0.2	1.1	4.61	252
180970078	2012	1	23	23	V	0.3	1.8	4.07	246
180970078	2012	1	23	24	V	0.08	1.4	4.51	239
180970078	2012	1	24	1	V	0.1	1.4	5.41	243
180970078	2012	1	24	2	V	0.09	1.7	4.29	237
180970078	2012	1	24	3	V	0.2	2.2	3.78	243
180970078	2012	1	24	4	V	0.01	1.9	6.35	275
180970078	2012	1	24	5	V	0.01	1.8	6.48	275
180970078	2012	1	24	6	V	0.01	2.1	6.62	268
180970078	2012	1	24	7	V	0.01	1.4	5.31	279
180970078	2012	1	24	8	V	0.02	1.6	5.17	279
180970078	2012	1	24	9	V	0.01	1.5	5.22	278
180970078	2012	1	24	10	V	0.01	1.3	5.31	284
180970078	2012	1	24	11	V	0.01	1.3	5.77	282
180970078	2012	1	24	12	V	0.01	2.1	5.22	280
180970078	2012	1	24	13	V	0.01	1.8	4.9	277
180970078	2012	1	24	14	V	0.01	1.2	4.48	281
180970078	2012	1	24	15	V	0.02	1.6	4.78	277
180970078	2012	1	24	16	V	0.01	2	4.46	289
180970078	2012	1	24	17	V	0.01	1.1	4.32	294
180970078	2012	1	24	18	V	0.01	1.4	3.35	307
180970078	2012	1	24	19	V	0.03	2	1.6	310
180970078	2012	1	24	20	V	0.1	1.1	1.18	355
180970078	2012	1	24	21	V	0.06	2	1.45	279
180970078	2012	1	24	22	V	0.08	1.1	1.31	294
180970078	2012	1	24	23	V	0.4	0.9	1.06	247
180970078	2012	1	24	24	V	0.04	0.8	1.57	128
180970078	2012	1	25	1	V	0.04	2	1.62	193
180970078	2012	1	25	2	V	0.2	1.6	0.92	68
180970078	2012	1	25	3	V	0.04	1.6	1.59	116
180970078	2012	1	25	4	V	0.03	1.4	1.86	114
180970078	2012	1	25	5	V	0.03	2.5	1.72	66
180970078	2012	1	25	6	V	0.2	2	0.92	36
180970078	2012	1	25	7	V	0.04	2.1	1.62	62
180970078	2012	1	25	8	V	0.03	3	2.71	114
180970078	2012	1	25	9	V	0.03	1.7	3.85	117
180970078	2012	1	25	10	V	0.03	2.3	3.86	93
180970078	2012	1	25	11	V	0.03	1.4	3.93	83
180970078	2012	1	25	12	V	0.01	2.1	5.05	84
180970078	2012	1	25	13	V	0.03	1.9	4.24	98
180970078	2012	1	25	14	V	0.09	2.1	3	81
180970078	2012	1	25	15	V	0.04	1.4	4.48	34
180970078	2012	1	25	16	V	0.03	1.4	3.07	62
180970078	2012	1	25	17	V	0.03	2.1	3.76	60
180970078	2012	1	25	18	V	0.03	1.8	4.46	62

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	25	19	V	0.03	2.4	3.68	99
180970078	2012	1	25	20	V	0.03	1.1	4.1	93
180970078	2012	1	25	21	V	0.03	1.6	3.63	116
180970078	2012	1	25	22	V	0.03	1.5	4.8	120
180970078	2012	1	25	23	V	0.03	-999	4.92	121
180970078	2012	1	25	24	V	0.03	-999	4.65	107
180970078	2012	1	26	1	V	0.02	1.2	3.8	89
180970078	2012	1	26	2	V	0.01	1.9	4.05	92
180970078	2012	1	26	3	V	0.02	2.1	3.83	88
180970078	2012	1	26	4	V	0.03	1.5	3.86	79
180970078	2012	1	26	5	V	0.03	1.3	3.88	80
180970078	2012	1	26	6	V	0.03	1.9	4.53	86
180970078	2012	1	26	7	V	0.03	1.8	2.98	78
180970078	2012	1	26	8	V	0.06	1.1	3.35	78
180970078	2012	1	26	9	V	0.06	1.4	4.1	74
180970078	2012	1	26	10	V	0.1	1.4	3.85	94
180970078	2012	1	26	11	V	0.2	2	3.2	102
180970078	2012	1	26	12	V	0.4	2.1	1.98	93
180970078	2012	1	26	13	V	1.1	2	1.23	136
180970078	2012	1	26	14	V	25.5	2.5	1.09	214
180970078	2012	1	26	15	V	0.6	2.4	1.42	236
180970078	2012	1	26	16	V	0.2	2.5	1.38	267
180970078	2012	1	26	17	V	25.3	2.5	2.88	213
180970078	2012	1	26	18	V	0.09	2.9	4.34	239
180970078	2012	1	26	19	V	0.03	2	4.6	284
180970078	2012	1	26	20	V	0.03	1.5	5.31	296
180970078	2012	1	26	21	V	0.03	2	4.41	312
180970078	2012	1	26	22	V	0.03	1.5	5.56	304
180970078	2012	1	26	23	V	0.02	1.5	5.82	312
180970078	2012	1	26	24	V	0.03	1.7	4.37	303
180970078	2012	1	27	1	V	0.02	2.2	4.68	285
180970078	2012	1	27	2	V	0.02	2.7	5.65	286
180970078	2012	1	27	3	V	0.02	2.3	6.16	284
180970078	2012	1	27	4	V	0.02	2.8	6.67	281
180970078	2012	1	27	5	V	0.02	2.2	5.92	290
180970078	2012	1	27	6	V	0.01	1.4	6.4	291
180970078	2012	1	27	7	V	0.01	1.5	7.94	288
180970078	2012	1	27	8	V	0.01	1.5	6.67	296
180970078	2012	1	27	9	V	0.005	0.6	6.86	287
180970078	2012	1	27	10	V	0.01	1.1	5.95	292
180970078	2012	1	27	11	V	0.04	0.8	4.22	262
180970078	2012	1	27	12	V	0.03	2.2	4.54	275
180970078	2012	1	27	13	V	0.02	2.1	5.56	298
180970078	2012	1	27	14	V	0.02	1.3	5.19	300
180970078	2012	1	27	15	V	0.01	1.6	4.87	287
180970078	2012	1	27	16	V	0.05	1.7	3.57	258

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	27	17	V	1.7	2.6	3.25	227
180970078	2012	1	27	18	V	17.9	1.3	3.76	214
180970078	2012	1	27	19	V	0.3	1.9	3.85	200
180970078	2012	1	27	20	V	6.5	9.2	3.64	207
180970078	2012	1	27	21	V	0.02	8.3	2.72	195
180970078	2012	1	27	22	V	0.02	7.4	2.45	179
180970078	2012	1	27	23	V	0.01	3	3.39	160
180970078	2012	1	27	24	V	0.01	1.8	3.68	179
180970078	2012	1	28	1	V	0.01	2	4	171
180970078	2012	1	28	2	V	0.01	2.1	4.29	192
180970078	2012	1	28	3	V	0.04	2.3	4.05	200
180970078	2012	1	28	4	V	0.01	4.1	4.15	190
180970078	2012	1	28	5	V	1.2	2.9	3.66	208
180970078	2012	1	28	6	V	8.7	3.4	3.92	216
180970078	2012	1	28	7	V	0.1	3.9	5.75	241
180970078	2012	1	28	8	V	0.01	2.4	9.68	270
180970078	2012	1	28	9	V	0.003	2.3	9.24	267
180970078	2012	1	28	10	V	0.003	2	10	270
180970078	2012	1	28	11	V	0.003	1.9	9.93	270
180970078	2012	1	28	12	V	0.003	2.2	10.51	270
180970078	2012	1	28	13	V	0.003	1.4	9.76	269
180970078	2012	1	28	14	V	0.003	1.8	9.9	268
180970078	2012	1	28	15	V	0.003	1.7	9.15	263
180970078	2012	1	28	16	V	0.02	2	9.52	260
180970078	2012	1	28	17	V	0.01	1.8	9.88	265
180970078	2012	1	28	18	V	0.09	1.9	7.62	255
180970078	2012	1	28	19	V	0.1	2.5	5.7	243
180970078	2012	1	28	20	V	4.5	1.9	4.71	225
180970078	2012	1	28	21	V	9.6	3.1	5.09	219
180970078	2012	1	28	22	V	3.2	1.8	5.39	226
180970078	2012	1	28	23	V	0.8	1.6	6.77	230
180970078	2012	1	28	24	V	0.2	2.2	6.28	233
180970078	2012	1	29	1	V	7.5	3.4	5.63	221
180970078	2012	1	29	2	V	5.3	4.9	5.36	214
180970078	2012	1	29	3	V	6.9	11.7	6.3	220
180970078	2012	1	29	4	V	4.2	8.2	7.37	224
180970078	2012	1	29	5	V	0.5	20.4	6.79	231
180970078	2012	1	29	6	V	6.3	13.3	6.47	221
180970078	2012	1	29	7	V	6.3	18.9	6.57	221
180970078	2012	1	29	8	V	3.7	6.3	6.14	218
180970078	2012	1	29	9	V	3.1	6.9	6.58	217
180970078	2012	1	29	10	V	2.3	7	7.67	222
180970078	2012	1	29	11	V	0.04	11.7	9.98	235
180970078	2012	1	29	12	V	0.01	3.6	10.36	256
180970078	2012	1	29	13	V	0.003	3.3	10.27	266
180970078	2012	1	29	14	V	0.002	2.8	10.99	278

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	29	15	V	0.002	2.2	11.87	285
180970078	2012	1	29	16	V	0.01	1.2	10.8	277
180970078	2012	1	29	17	V	0.01	1.7	8.64	278
180970078	2012	1	29	18	V	0.01	2.2	6.63	293
180970078	2012	1	29	19	V	0.01	1.4	4.6	288
180970078	2012	1	29	20	V	0.02	2	2.57	264
180970078	2012	1	29	21	V	0.4	1.7	3.18	251
180970078	2012	1	29	22	V	0.06	1.9	2.38	242
180970078	2012	1	29	23	V	6.6	2.5	1.18	210
180970078	2012	1	29	24	V	3.2	2.3	0.74	204
180970078	2012	1	30	1	V	0.03	1.9	1.74	160
180970078	2012	1	30	2	V	0.02	3.5	1.99	173
180970078	2012	1	30	3	V	0.04	2.7	1.57	136
180970078	2012	1	30	4	V	0.02	2.4	2.27	130
180970078	2012	1	30	5	V	0.01	1.4	3.47	142
180970078	2012	1	30	6	V	0.01	2.4	3.81	134
180970078	2012	1	30	7	V	0.01	2.2	4.63	139
180970078	2012	1	30	8	V	0.02	2.2	5.72	146
180970078	2012	1	30	9	V	0.01	1.3	5.31	150
180970078	2012	1	30	10	V	0.02	2.2	4.9	167
180970078	2012	1	30	11	V	0.02	3.3	4.88	183
180970078	2012	1	30	12	V	0.01	5	6.02	189
180970078	2012	1	30	13	V	0.01	4.2	6.89	191
180970078	2012	1	30	14	V	0.04	4.7	5.8	197
180970078	2012	1	30	15	V	0.1	6.1	8.25	203
180970078	2012	1	30	16	V	0.9	3.3	9.02	207
180970078	2012	1	30	17	V	3.4	5.7	9.73	213
180970078	2012	1	30	18	V	1.7	5.3	9.47	209
180970078	2012	1	30	19	V	1.4	3.3	7.57	209
180970078	2012	1	30	20	V	0.2	3.8	6.82	204
180970078	2012	1	30	21	V	0.5	3.4	7.45	206
180970078	2012	1	30	22	V	2.1	2.4	9	211
180970078	2012	1	30	23	V	2.7	4.9	9.88	212
180970078	2012	1	30	24	V	3.3	6	9.75	213
180970078	2012	1	31	1	V	5.7	12.3	9.64	217
180970078	2012	1	31	2	V	4.9	17.1	10.19	223
180970078	2012	1	31	3	V	4.8	12.6	9.56	223
180970078	2012	1	31	4	V	5.7	13.8	8.15	221
180970078	2012	1	31	5	V	4.2	17.4	8.78	224
180970078	2012	1	31	6	V	2.4	22.2	8.93	227
180970078	2012	1	31	7	V	1.9	7.3	8.9	228
180970078	2012	1	31	8	V	1.7	15.2	8.35	224
180970078	2012	1	31	9	V	2.5	5.8	6.57	214
180970078	2012	1	31	10	V	1.6	5.7	7.23	212
180970078	2012	1	31	11	V	1.4	5.7	8.73	213
180970078	2012	1	31	12	V	1.1	6.2	8.47	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	1	31	13	V	1.6	5.6	7.96	213
180970078	2012	1	31	14	V	1.8	6.2	9.1	223
180970078	2012	1	31	15	V	2.3	5.4	8.98	218
180970078	2012	1	31	16	V	0.4	5	9.37	204
180970078	2012	1	31	17	V	0.2	3.9	7.77	202
180970078	2012	1	31	18	V	0.3	4	6.52	203
180970078	2012	1	31	19	V	1.0	3.4	7.43	207
180970078	2012	1	31	20	V	2.1	2.9	7.08	210
180970078	2012	1	31	21	V	0.2	2.7	7.09	202
180970078	2012	1	31	22	V	0.1	2.3	7.33	201
180970078	2012	1	31	23	V	3.8	1.8	7.11	213
180970078	2012	1	31	24	V	5.5	4.7	8.44	222
180970078	2012	2	1	1	V	4.1	5.2	8.85	225
180970078	2012	2	1	2	V	1.2	3.3	7.37	230
180970078	2012	2	1	3	V	0.4	2.8	6.96	233
180970078	2012	2	1	4	V	0.2	2	4.95	244
180970078	2012	2	1	5	V	0.3	1.8	4.44	247
180970078	2012	2	1	6	V	0.02	1.6	3.85	283
180970078	2012	2	1	7	V	0.01	1.7	3.3	286
180970078	2012	2	1	8	V	0.05	2	3.34	287
180970078	2012	2	1	9	V	0.08	1.7	2.91	306
180970078	2012	2	1	10	V	0.2	2.2	2.59	311
180970078	2012	2	1	11	V	0.7	2.2	1.48	259
180970078	2012	2	1	12	V	0.4	2.5	1.79	251
180970078	2012	2	1	13	V	0.3	2.5	1.7	261
180970078	2012	2	1	14	V	0.3	1.6	1.4	266
180970078	2012	2	1	15	V	0.3	1.3	1.71	251
180970078	2012	2	1	16	V	0.02	2.5	3.29	319
180970078	2012	2	1	17	V	0.01	2.4	4.66	331
180970078	2012	2	1	18	V	0.01	1.2	5.09	344
180970078	2012	2	1	19	V	0.01	1.9	4.12	353
180970078	2012	2	1	20	V	0.01	1.6	4.19	13
180970078	2012	2	1	21	V	0.01	1.2	3.64	9
180970078	2012	2	1	22	V	0.01	2.2	3.73	3
180970078	2012	2	1	23	V	0.02	-999	3.44	355
180970078	2012	2	1	24	V	0.01	-999	2.95	6
180970078	2012	2	2	1	V	0.01	-999	2.76	359
180970078	2012	2	2	2	V	0.02	0.7	2.49	352
180970078	2012	2	2	3	V	0.01	1.1	2.62	339
180970078	2012	2	2	4	V	0.03	0.9	2.06	330
180970078	2012	2	2	5	V	0.03	0.9	2.2	325
180970078	2012	2	2	6	V	0.03	1	2.15	326
180970078	2012	2	2	7	V	0.02	1.7	2.61	336
180970078	2012	2	2	8	V	0.1	1.3	2.27	340
180970078	2012	2	2	9	V	0.2	1.2	1.54	327
180970078	2012	2	2	10	V	0.3	1.6	1.57	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	2	11	V	0.9	1.4	1.25	2
180970078	2012	2	2	12	V	1.2	1.1	1.16	171
180970078	2012	2	2	13	V	1.2	7.1	2.3	240
180970078	2012	2	2	14	V	0.1	5.9	2.88	258
180970078	2012	2	2	15	V	0.04	3.2	2.79	273
180970078	2012	2	2	16	V	0.01	3	2.84	306
180970078	2012	2	2	17	V	0.01	2.9	2.9	315
180970078	2012	2	2	18	V	0.02	2.1	2.45	326
180970078	2012	2	2	19	V	0.01	2.8	2.72	332
180970078	2012	2	2	20	V	0.02	3.5	2.47	345
180970078	2012	2	2	21	V	0.04	1.3	1.64	8
180970078	2012	2	2	22	V	0.2	2.6	1.11	45
180970078	2012	2	2	23	V	0.1	3.1	1.2	37
180970078	2012	2	2	24	V	0.03	3.4	2.11	71
180970078	2012	2	3	1	V	0.04	4.4	2.04	71
180970078	2012	2	3	2	V	0.05	3	1.96	66
180970078	2012	2	3	3	V	0.03	2.6	2.35	82
180970078	2012	2	3	4	V	0.03	4.1	2.45	87
180970078	2012	2	3	5	V	0.05	2.6	2.11	97
180970078	2012	2	3	6	V	0.03	2.6	2.52	103
180970078	2012	2	3	7	V	0.09	2.1	1.62	70
180970078	2012	2	3	8	V	0.2	3.5	2.2	67
180970078	2012	2	3	9	V	0.3	3.1	2.5	72
180970078	2012	2	3	10	V	0.2	3.1	3.18	83
180970078	2012	2	3	11	V	0.2	4.9	3.39	106
180970078	2012	2	3	12	V	0.09	5.5	4.22	105
180970078	2012	2	3	13	V	0.08	5.6	3.76	138
180970078	2012	2	3	14	V	0.07	5.6	3.4	128
180970078	2012	2	3	15	V	0.05	4.1	3.44	129
180970078	2012	2	3	16	V	0.03	4.7	3.2	126
180970078	2012	2	3	17	V	0.03	2.7	3.15	106
180970078	2012	2	3	18	V	0.03	2.9	2.95	94
180970078	2012	2	3	19	V	0.03	2.3	3.34	86
180970078	2012	2	3	20	V	0.03	2.2	3	91
180970078	2012	2	3	21	V	0.03	5.4	3.4	76
180970078	2012	2	3	22	V	0.02	5.2	3.52	77
180970078	2012	2	3	23	V	0.03	2.9	3.92	69
180970078	2012	2	3	24	V	0.02	2	5.24	56
180970078	2012	2	4	1	V	0.03	2	3.78	74
180970078	2012	2	4	2	V	0.03	1.9	3.42	68
180970078	2012	2	4	3	V	0.03	1.6	3.81	45
180970078	2012	2	4	4	V	0.03	1.1	4.92	43
180970078	2012	2	4	5	V	0.03	0.8	4.37	51
180970078	2012	2	4	6	V	0.02	1.1	6.07	40
180970078	2012	2	4	7	V	0.02	0.4	6.46	68
180970078	2012	2	4	8	V	0.01	2	6.58	70

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	4	9	V	0.02	1	5.79	61
180970078	2012	2	4	10	V	0.01	0.8	6.43	56
180970078	2012	2	4	11	V	0.01	0.7	6.7	66
180970078	2012	2	4	12	V	0.01	1.4	6.41	69
180970078	2012	2	4	13	V	0.01	1.1	6.4	68
180970078	2012	2	4	14	V	0.01	0.7	6.5	76
180970078	2012	2	4	15	V	0.01	1.3	6.06	84
180970078	2012	2	4	16	V	0.02	3	5.97	82
180970078	2012	2	4	17	V	0.02	1.4	5.65	80
180970078	2012	2	4	18	V	0.02	0.9	5.24	81
180970078	2012	2	4	19	V	0.03	0.9	4.49	74
180970078	2012	2	4	20	V	0.03	0.4	4.66	70
180970078	2012	2	4	21	V	0.03	0.9	4.51	48
180970078	2012	2	4	22	V	0.02	1.8	5.12	43
180970078	2012	2	4	23	V	0.03	0.7	4.71	40
180970078	2012	2	4	24	V	0.03	1.4	4.27	39
180970078	2012	2	5	1	V	0.03	1.1	4.2	32
180970078	2012	2	5	2	V	0.02	1.5	5.46	26
180970078	2012	2	5	3	V	0.03	1.2	3.97	32
180970078	2012	2	5	4	V	0.02	0.7	5.27	29
180970078	2012	2	5	5	V	0.03	0.6	4.17	30
180970078	2012	2	5	6	V	0.03	1.4	4.15	30
180970078	2012	2	5	7	V	0.02	0	3.54	22
180970078	2012	2	5	8	V	0.05	1.6	3.32	28
180970078	2012	2	5	9	V	0.07	1.4	3.75	37
180970078	2012	2	5	10	V	0.2	1.4	3.27	56
180970078	2012	2	5	11	V	0.07	2	3.93	62
180970078	2012	2	5	12	V	0.09	3.9	3.41	58
180970078	2012	2	5	13	V	0.2	4.3	2.28	61
180970078	2012	2	5	14	V	0.2	4.4	2.13	92
180970078	2012	2	5	15	V	0.1	3.7	1.99	71
180970078	2012	2	5	16	V	0.08	3.3	1.62	33
180970078	2012	2	5	17	V	0.03	2.4	2.57	13
180970078	2012	2	5	18	V	0.02	1.8	3.44	21
180970078	2012	2	5	19	V	0.03	1.1	2.5	16
180970078	2012	2	5	20	V	0.06	2.1	2.01	3
180970078	2012	2	5	21	V	0.07	2.1	1.84	342
180970078	2012	2	5	22	V	0.03	2.4	2.52	351
180970078	2012	2	5	23	V	0.02	2.9	3.22	356
180970078	2012	2	5	24	V	0.02	2.1	3.3	355
180970078	2012	2	6	1	V	0.07	2.3	1.89	321
180970078	2012	2	6	2	V	19.5	3.2	0.75	222
180970078	2012	2	6	3	V	0.2	3.2	1.65	237
180970078	2012	2	6	4	V	0.09	3.6	1.72	273
180970078	2012	2	6	5	V	0.2	3.2	1.42	273
180970078	2012	2	6	6	V	0.2	3.2	1.25	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	6	7	V	0.4	4.2	1.31	252
180970078	2012	2	6	8	V	8.1	6.3	1.53	233
180970078	2012	2	6	9	V	0.4	6.1	1.88	269
180970078	2012	2	6	10	V	2.9	5.6	1.71	241
180970078	2012	2	6	11	V	1.7	5.4	2.62	238
180970078	2012	2	6	12	V	0.2	4.5	3.93	244
180970078	2012	2	6	13	V	0.08	2.9	4.58	251
180970078	2012	2	6	14	V	0.03	1.8	4.71	264
180970078	2012	2	6	15	V	0.06	2.5	5.11	250
180970078	2012	2	6	16	V	0.2	2.1	5.87	254
180970078	2012	2	6	17	V	0.3	2.5	5.97	249
180970078	2012	2	6	18	V	0.2	1.9	5.55	245
180970078	2012	2	6	19	V	0.2	2.1	4.36	243
180970078	2012	2	6	20	V	0.2	1.5	3.54	233
180970078	2012	2	6	21	V	0.02	1	4.31	304
180970078	2012	2	6	22	V	0.03	1	3.64	298
180970078	2012	2	6	23	V	0.03	1	3.78	293
180970078	2012	2	6	24	V	0.02	0.6	4.29	270
180970078	2012	2	7	1	V	0.08	0.5	4.42	257
180970078	2012	2	7	2	V	0.01	0.4	3.81	270
180970078	2012	2	7	3	V	0.02	1.2	2.64	305
180970078	2012	2	7	4	V	0.02	1.3	2.49	289
180970078	2012	2	7	5	V	0.02	0.5	2.79	286
180970078	2012	2	7	6	V	0.01	1.5	4.32	304
180970078	2012	2	7	7	V	0.02	0.5	3.83	314
180970078	2012	2	7	8	V	0.03	0.7	3.27	339
180970078	2012	2	7	9	V	0.06	0.8	2.74	23
180970078	2012	2	7	10	V	0.05	1.2	3.18	51
180970078	2012	2	7	11	V	0.1	0.4	2.16	23
180970078	2012	2	7	12	V	0.1	1	2.25	35
180970078	2012	2	7	13	V	0.1	1	2.27	10
180970078	2012	2	7	14	V	0.09	0.8	2.61	20
180970078	2012	2	7	15	V	0.04	0.5	3.12	31
180970078	2012	2	7	16	V	0.02	0.3	2.96	46
180970078	2012	2	7	17	V	0.02	0.9	2.93	37
180970078	2012	2	7	18	V	0.01	1.5	4.78	43
180970078	2012	2	7	19	V	0.02	1.1	3.71	39
180970078	2012	2	7	20	V	0.02	0.8	3.35	17
180970078	2012	2	7	21	V	0.02	1	3.32	18
180970078	2012	2	7	22	V	0.02	1.1	3.29	16
180970078	2012	2	7	23	V	0.01	1.1	2.96	19
180970078	2012	2	7	24	V	0.02	1.4	3.18	11
180970078	2012	2	8	1	V	0.02	1.3	3.2	5
180970078	2012	2	8	2	V	0.02	0.9	2.57	358
180970078	2012	2	8	3	V	0.02	0.4	2.61	3
180970078	2012	2	8	4	V	0.02	0.9	3.05	22

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	8	5	V	0.02	0.2	2.67	35
180970078	2012	2	8	6	V	0.02	1.3	3.42	29
180970078	2012	2	8	7	V	0.02	1.9	3.73	22
180970078	2012	2	8	8	V	0.02	1.7	4.2	25
180970078	2012	2	8	9	V	0.03	1.3	3.81	25
180970078	2012	2	8	10	V	0.07	1	2.89	30
180970078	2012	2	8	11	V	0.03	1.3	3.46	3
180970078	2012	2	8	12	V	0.04	2	2.78	5
180970078	2012	2	8	13	V	0.03	2	3.1	349
180970078	2012	2	8	14	V	0.02	2	3.76	330
180970078	2012	2	8	15	V	0.01	0.6	4.15	341
180970078	2012	2	8	16	V	0.02	1.3	3.9	325
180970078	2012	2	8	17	V	0.01	0.2	3.76	327
180970078	2012	2	8	18	V	0.01	1	3.32	318
180970078	2012	2	8	19	V	0.01	1.1	2.95	308
180970078	2012	2	8	20	V	0.02	1	2.86	298
180970078	2012	2	8	21	V	0.01	1.5	3.59	299
180970078	2012	2	8	22	V	0.01	2	3.42	295
180970078	2012	2	8	23	V	0.01	-999	4	295
180970078	2012	2	8	24	V	0.01	-999	4.46	292
180970078	2012	2	9	1	V	0.01	1.6	5.21	305
180970078	2012	2	9	2	V	0.01	0.5	4.94	304
180970078	2012	2	9	3	V	0.01	1	4.88	312
180970078	2012	2	9	4	V	0.01	0.3	4.51	313
180970078	2012	2	9	5	V	0.01	1.2	4.34	315
180970078	2012	2	9	6	V	0.01	0.9	2.79	282
180970078	2012	2	9	7	V	0.02	1.7	2.73	279
180970078	2012	2	9	8	V	0.02	0.4	3.59	280
180970078	2012	2	9	9	V	0.02	1.5	4.24	266
180970078	2012	2	9	10	V	0.3	0.3	3.1	242
180970078	2012	2	9	11	V	0.7	0.9	3	239
180970078	2012	2	9	12	V	1.8	1.3	4.42	229
180970078	2012	2	9	13	V	0.1	1.8	4.58	248
180970078	2012	2	9	14	V	0.07	1.8	4.78	244
180970078	2012	2	9	15	V	0.1	1.1	5.22	248
180970078	2012	2	9	16	V	0.2	0.7	5.6	246
180970078	2012	2	9	17	V	0.1	0.7	5.09	241
180970078	2012	2	9	18	V	8.2	0.9	5.16	216
180970078	2012	2	9	19	V	6.6	3.1	4.29	214
180970078	2012	2	9	20	V	0.01	4.5	3.64	195
180970078	2012	2	9	21	V	0.02	1.4	3.78	178
180970078	2012	2	9	22	V	0.02	2	3.74	190
180970078	2012	2	9	23	V	0.04	5.9	3.54	200
180970078	2012	2	9	24	V	1.1	6.5	3.85	207
180970078	2012	2	10	1	V	8.9	5	3.92	223
180970078	2012	2	10	2	V	0.06	2.4	3.44	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	10	3	V	4.4	2.3	3.29	226
180970078	2012	2	10	4	V	0.3	2.1	3.08	205
180970078	2012	2	10	5	V	1.4	3.2	3.9	208
180970078	2012	2	10	6	V	0.02	3.4	3.88	195
180970078	2012	2	10	7	V	0.02	4.2	3.9	194
180970078	2012	2	10	8	V	0.02	2.5	4.07	185
180970078	2012	2	10	9	V	0.02	2.9	4.9	187
180970078	2012	2	10	10	V	0.02	2.9	5.16	193
180970078	2012	2	10	11	V	0.02	2.7	5.87	196
180970078	2012	2	10	12	V	0.03	2.7	5.85	196
180970078	2012	2	10	13	V	0.04	1.9	5.67	197
180970078	2012	2	10	14	V	0.01	3.2	5.99	195
180970078	2012	2	10	15	V	0.1	2.7	6.4	202
180970078	2012	2	10	16	V	3.2	2.8	6.02	211
180970078	2012	2	10	17	V	6.5	7.9	5.79	215
180970078	2012	2	10	18	V	2.7	10.6	4.19	210
180970078	2012	2	10	19	V	0.4	3.8	4.19	204
180970078	2012	2	10	20	V	3.5	10.6	5.04	227
180970078	2012	2	10	21	V	0.01	3.6	6.86	292
180970078	2012	2	10	22	V	0.01	1.8	7.83	299
180970078	2012	2	10	23	V	0.01	1.5	8.5	318
180970078	2012	2	10	24	V	0.01	1.4	9.85	322
180970078	2012	2	11	1	V	0.01	1.4	9.56	310
180970078	2012	2	11	2	V	0.01	0.7	10.05	313
180970078	2012	2	11	3	V	0.01	0.9	9.07	312
180970078	2012	2	11	4	V	0.01	0.9	8.85	310
180970078	2012	2	11	5	V	0.01	1.1	8.25	310
180970078	2012	2	11	6	V	0.01	1.6	8.64	311
180970078	2012	2	11	7	V	0.01	1.6	8.15	306
180970078	2012	2	11	8	V	0.004	2.2	7.77	303
180970078	2012	2	11	9	V	0.004	0.7	7.96	300
180970078	2012	2	11	10	V	0.003	1.1	8.42	301
180970078	2012	2	11	11	V	0.004	1.8	7.93	301
180970078	2012	2	11	12	V	0.004	1.9	8.23	298
180970078	2012	2	11	13	V	0.004	1.2	8.17	298
180970078	2012	2	11	14	V	0.003	1.8	8.85	299
180970078	2012	2	11	15	V	0.003	1.6	8.85	299
180970078	2012	2	11	16	V	0.01	1.1	9.22	302
180970078	2012	2	11	17	V	0.01	1.1	8.93	301
180970078	2012	2	11	18	V	0.01	0.6	8.28	302
180970078	2012	2	11	19	V	0.01	0.9	6.3	298
180970078	2012	2	11	20	V	0.01	0.9	4.87	290
180970078	2012	2	11	21	V	0.01	1	3.93	268
180970078	2012	2	11	22	V	0.03	1	3.37	257
180970078	2012	2	11	23	V	0.01	0.8	3.68	269
180970078	2012	2	11	24	V	0.01	0.7	4.27	287

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	12	1	V	0.01	0.2	4.53	289
180970078	2012	2	12	2	V	0.01	1.6	5.38	278
180970078	2012	2	12	3	V	0.01	0.3	4.97	286
180970078	2012	2	12	4	V	0.01	1.5	4.76	279
180970078	2012	2	12	5	V	0.01	1.3	4.78	274
180970078	2012	2	12	6	V	0.01	1	4.49	261
180970078	2012	2	12	7	V	0.01	0.8	5.48	266
180970078	2012	2	12	8	V	0.02	0.9	5.12	267
180970078	2012	2	12	9	V	0.01	0.9	6.45	271
180970078	2012	2	12	10	V	0.01	0.9	6.92	278
180970078	2012	2	12	11	V	0.01	0.2	7.04	276
180970078	2012	2	12	12	V	0.01	0.6	6.64	271
180970078	2012	2	12	13	V	0.01	0.5	6.53	264
180970078	2012	2	12	14	V	0.005	0.3	7.54	265
180970078	2012	2	12	15	V	0.004	1.6	7.86	264
180970078	2012	2	12	16	V	0.01	1.5	7.37	268
180970078	2012	2	12	17	V	0.01	1.1	7.04	272
180970078	2012	2	12	18	V	0.02	1.1	6.18	262
180970078	2012	2	12	19	V	0.1	1.6	5.05	255
180970078	2012	2	12	20	V	0.3	1.6	4.34	247
180970078	2012	2	12	21	V	0.3	1.9	5.09	250
180970078	2012	2	12	22	V	0.2	1.3	4.8	254
180970078	2012	2	12	23	V	0.4	1.8	3.85	250
180970078	2012	2	12	24	V	0.4	2.3	3.93	247
180970078	2012	2	13	1	V	0.4	1.8	3.76	247
180970078	2012	2	13	2	V	0.04	1.1	3.4	240
180970078	2012	2	13	3	V	5.7	1.3	2.66	225
180970078	2012	2	13	4	V	1.7	0.9	3.01	227
180970078	2012	2	13	5	V	8.9	1.7	2.27	224
180970078	2012	2	13	6	V	19.5	1.3	2.42	219
180970078	2012	2	13	7	V	25.8	4	2.81	214
180970078	2012	2	13	8	V	27.9	6.1	2.91	217
180970078	2012	2	13	9	V	30.9	8.1	3.01	218
180970078	2012	2	13	10	V	36.7	13.6	3.12	214
180970078	2012	2	13	11	V	35.9	33.2	4.1	214
180970078	2012	2	13	12	V	4.3	37.1	4.02	199
180970078	2012	2	13	13	V	0.1	16.9	4.63	186
180970078	2012	2	13	14	V	4.9	4.1	4	202
180970078	2012	2	13	15	V	0.06	2.6	4.39	195
180970078	2012	2	13	16	V	0.06	4.3	4.34	171
180970078	2012	2	13	17	V	0.05	4.9	5.12	151
180970078	2012	2	13	18	V	0.05	4.1	4.93	147
180970078	2012	2	13	19	V	0.04	2.5	5.21	166
180970078	2012	2	13	20	V	0.04	4.5	6.47	190
180970078	2012	2	13	21	V	0.05	4.4	4.65	182
180970078	2012	2	13	22	V	0.05	2.3	4.71	171

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	13	23	V	0.05	3.5	2.69	155
180970078	2012	2	13	24	V	0.04	4.5	3.35	160
180970078	2012	2	14	1	V	0.04	3.2	4.02	183
180970078	2012	2	14	2	V	0.04	2.8	3.05	160
180970078	2012	2	14	3	V	0.04	2.9	3.25	146
180970078	2012	2	14	4	V	0.04	1.9	3.24	145
180970078	2012	2	14	5	V	0.04	2.2	3.18	151
180970078	2012	2	14	6	V	0.04	2	3.4	157
180970078	2012	2	14	7	V	0.04	1.8	3.27	153
180970078	2012	2	14	8	V	0.2	2.1	2.39	149
180970078	2012	2	14	9	V	0.3	2.2	2.54	168
180970078	2012	2	14	10	V	0.6	2.6	2.56	185
180970078	2012	2	14	11	V	30.2	10.1	2.88	209
180970078	2012	2	14	12	V	0.8	5	3.88	233
180970078	2012	2	14	13	V	0.3	2.8	4.12	248
180970078	2012	2	14	14	V	0.2	2.7	4.02	251
180970078	2012	2	14	15	V	0.05	2.1	4.03	258
180970078	2012	2	14	16	V	0.3	2.3	5.09	245
180970078	2012	2	14	17	V	0.3	1.5	4.36	246
180970078	2012	2	14	18	V	0.1	2.1	4.59	237
180970078	2012	2	14	19	V	0.2	2.1	3.68	243
180970078	2012	2	14	20	V	0.2	1.7	4.24	253
180970078	2012	2	14	21	V	0.09	2.1	2.76	240
180970078	2012	2	14	22	V	1.3	1.1	2.79	229
180970078	2012	2	14	23	V	23.2	1	2.96	217
180970078	2012	2	14	24	V	26.7	1.6	3.22	215
180970078	2012	2	15	1	V	11.6	1.3	3.47	222
180970078	2012	2	15	2	V	9.8	5.2	3.05	210
180970078	2012	2	15	3	V	0.02	4.9	2.69	193
180970078	2012	2	15	4	V	0.02	3.3	3.17	189
180970078	2012	2	15	5	V	0.02	1.7	3.83	180
180970078	2012	2	15	6	V	0.02	2.7	2.71	147
180970078	2012	2	15	7	V	0.02	2.6	3.63	159
180970078	2012	2	15	8	V	0.02	1.9	4.36	161
180970078	2012	2	15	9	V	0.04	3	3.93	159
180970078	2012	2	15	10	V	0.03	4.3	4.48	151
180970078	2012	2	15	11	V	0.01	2.5	5.7	155
180970078	2012	2	15	12	V	0.01	4.1	5.79	144
180970078	2012	2	15	13	V	0.01	3.6	6.19	143
180970078	2012	2	15	14	V	0.03	4.1	4.2	155
180970078	2012	2	15	15	V	0.01	1.8	4.53	169
180970078	2012	2	15	16	V	0.02	1.4	3.9	152
180970078	2012	2	15	17	V	0.02	1.6	4.26	140
180970078	2012	2	15	18	V	0.01	1.7	5.65	129
180970078	2012	2	15	19	V	0.02	1.2	4.51	133
180970078	2012	2	15	20	V	0.02	1.6	4.51	132

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	15	21	V	0.02	1.7	4.26	136
180970078	2012	2	15	22	V	0.01	1	6.19	153
180970078	2012	2	15	23	V	0.01	-999	6.91	143
180970078	2012	2	15	24	V	0.01	-999	6.74	155
180970078	2012	2	16	1	V	0.01	1.1	5.29	152
180970078	2012	2	16	2	V	0.01	1.7	5.12	163
180970078	2012	2	16	3	V	0.02	0.8	2.71	158
180970078	2012	2	16	4	V	0.04	1.9	1.45	109
180970078	2012	2	16	5	V	0.02	1.7	2.1	145
180970078	2012	2	16	6	V	0.02	0.7	2.33	170
180970078	2012	2	16	7	V	14.4	1.9	1.94	221
180970078	2012	2	16	8	V	0.9	2.3	1.71	242
180970078	2012	2	16	9	V	0.3	2	2.86	245
180970078	2012	2	16	10	V	0.01	1.5	5.41	268
180970078	2012	2	16	11	V	0.01	1.7	5.41	284
180970078	2012	2	16	12	V	0.01	2.1	5.6	284
180970078	2012	2	16	13	V	0.004	2.4	7.26	292
180970078	2012	2	16	14	V	0.004	1.2	7.38	289
180970078	2012	2	16	15	V	0.004	1.5	6.57	296
180970078	2012	2	16	16	V	0.01	1.6	7.2	292
180970078	2012	2	16	17	V	0.01	1.1	6.43	296
180970078	2012	2	16	18	V	0.01	1.3	4.39	284
180970078	2012	2	16	19	V	0.01	1.2	4.99	296
180970078	2012	2	16	20	V	0.01	0.3	4.17	284
180970078	2012	2	16	21	V	0.01	1	4.17	266
180970078	2012	2	16	22	V	0.2	1.4	3.8	243
180970078	2012	2	16	23	V	0.04	1.4	3.56	240
180970078	2012	2	16	24	V	0.3	1.1	3.25	252
180970078	2012	2	17	1	V	0.08	0.5	3.4	242
180970078	2012	2	17	2	V	0.1	1.2	3.68	234
180970078	2012	2	17	3	V	0.04	0.5	3.68	237
180970078	2012	2	17	4	V	0.04	0.3	3.27	241
180970078	2012	2	17	5	V	0.5	1.3	3.15	251
180970078	2012	2	17	6	V	0.06	1	2.66	255
180970078	2012	2	17	7	V	0.06	1.9	2.35	256
180970078	2012	2	17	8	V	0.3	1.9	2.13	253
180970078	2012	2	17	9	V	3.3	2.8	2.01	237
180970078	2012	2	17	10	V	1.4	1.8	2.37	242
180970078	2012	2	17	11	V	1.3	2.4	2.3	241
180970078	2012	2	17	12	V	2.7	2	2.27	229
180970078	2012	2	17	13	V	1.3	1.6	2.73	235
180970078	2012	2	17	14	V	0.1	1.4	2.95	250
180970078	2012	2	17	15	V	0.08	0.8	4.17	242
180970078	2012	2	17	16	V	11.1	1.2	3.92	220
180970078	2012	2	17	17	V	1.9	2.1	4.7	228
180970078	2012	2	17	18	V	2.6	2.7	4.41	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	17	19	V	8.5	3.7	4.02	223
180970078	2012	2	17	20	V	12.2	3.3	4.07	218
180970078	2012	2	17	21	V	0.5	6.3	3.68	230
180970078	2012	2	17	22	V	0.1	2.7	3.4	235
180970078	2012	2	17	23	V	3.1	3.2	3.42	226
180970078	2012	2	17	24	V	14.6	2.3	3.37	219
180970078	2012	2	18	1	V	4.1	3.6	3.4	213
180970078	2012	2	18	2	V	14.3	4.2	3.34	218
180970078	2012	2	18	3	V	14.3	4.4	3.34	218
180970078	2012	2	18	4	V	0.08	3.9	3.24	235
180970078	2012	2	18	5	V	0.2	3.3	3.03	253
180970078	2012	2	18	6	V	0.02	2.1	2.23	282
180970078	2012	2	18	7	V	0.02	2.2	2.71	289
180970078	2012	2	18	8	V	0.09	0.8	2.96	283
180970078	2012	2	18	9	V	0.08	2.4	3.54	301
180970078	2012	2	18	10	V	0.02	2.5	5.26	315
180970078	2012	2	18	11	V	0.01	2.2	5.43	322
180970078	2012	2	18	12	V	0.01	2.9	6.04	336
180970078	2012	2	18	13	V	0.01	2.3	6.26	337
180970078	2012	2	18	14	V	0.01	1.3	5.31	349
180970078	2012	2	18	15	V	0.01	1.7	5.24	348
180970078	2012	2	18	16	V	0.03	0.5	3.9	351
180970078	2012	2	18	17	V	0.01	1.6	4.56	5
180970078	2012	2	18	18	V	0.01	0.9	4.7	13
180970078	2012	2	18	19	V	0.01	0.6	4.92	11
180970078	2012	2	18	20	V	0.01	0.9	4.29	18
180970078	2012	2	18	21	V	0.01	0.4	4.94	26
180970078	2012	2	18	22	V	0.01	0.7	4.44	33
180970078	2012	2	18	23	V	0.01	0.9	3.42	33
180970078	2012	2	18	24	V	0.01	0.2	4.27	31
180970078	2012	2	19	1	V	0.01	0.7	4.48	38
180970078	2012	2	19	2	V	0.01	1	4.43	44
180970078	2012	2	19	3	V	0.01	1.2	4.73	40
180970078	2012	2	19	4	V	0.01	0.9	4.53	42
180970078	2012	2	19	5	V	0.01	0.9	4.07	47
180970078	2012	2	19	6	V	0.01	1.2	3.97	54
180970078	2012	2	19	7	V	0.02	1.2	4.53	44
180970078	2012	2	19	8	V	0.03	0.8	4.03	37
180970078	2012	2	19	9	V	0.03	1.4	4.19	33
180970078	2012	2	19	10	V	0.01	2	5.84	44
180970078	2012	2	19	11	V	0.01	1.4	6.84	47
180970078	2012	2	19	12	V	0.01	1.7	6.63	37
180970078	2012	2	19	13	V	0.01	2.5	6.24	29
180970078	2012	2	19	14	V	0.01	1.4	6.09	22
180970078	2012	2	19	15	V	0.004	1.2	6.53	28
180970078	2012	2	19	16	V	0.01	1.8	6.11	19

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	19	17	V	0.01	1.1	5.31	10
180970078	2012	2	19	18	V	0.01	1.3	5.21	20
180970078	2012	2	19	19	V	0.01	1.2	4.78	23
180970078	2012	2	19	20	V	0.01	2.7	3.15	40
180970078	2012	2	19	21	V	0.01	1.5	3.03	45
180970078	2012	2	19	22	V	0.02	1.3	2.73	31
180970078	2012	2	19	23	V	0.02	1.3	2.71	27
180970078	2012	2	19	24	V	0.04	0.7	1.79	351
180970078	2012	2	20	1	V	0.05	2.2	1.99	60
180970078	2012	2	20	2	V	0.07	1.5	1.81	80
180970078	2012	2	20	3	V	0.06	1.5	1.94	50
180970078	2012	2	20	4	V	0.03	1.1	2.59	37
180970078	2012	2	20	5	V	0.02	1	2.96	46
180970078	2012	2	20	6	V	0.08	2	1.69	355
180970078	2012	2	20	7	V	0.08	1.2	1.59	61
180970078	2012	2	20	8	V	0.3	1.5	2.22	81
180970078	2012	2	20	9	V	0.3	2.9	2.93	103
180970078	2012	2	20	10	V	0.08	3	4.31	107
180970078	2012	2	20	11	V	0.05	2.6	4.99	110
180970078	2012	2	20	12	V	0.04	2.9	5.56	115
180970078	2012	2	20	13	V	0.05	3.3	4.87	109
180970078	2012	2	20	14	V	0.06	3.6	4.09	134
180970078	2012	2	20	15	V	0.04	2.3	4.32	130
180970078	2012	2	20	16	V	0.04	2.1	5.51	124
180970078	2012	2	20	17	V	0.03	1.3	6.02	137
180970078	2012	2	20	18	V	0.03	4.5	5.87	128
180970078	2012	2	20	19	V	0.03	6.4	4.66	116
180970078	2012	2	20	20	V	0.03	4.4	3.66	127
180970078	2012	2	20	21	V	0.03	3.3	4.2	124
180970078	2012	2	20	22	V	0.03	3.5	4.87	118
180970078	2012	2	20	23	V	0.03	2.6	6.72	126
180970078	2012	2	20	24	V	0.02	2	7.6	128
180970078	2012	2	21	1	V	0.02	3.2	7.67	140
180970078	2012	2	21	2	V	0.02	5	6.87	142
180970078	2012	2	21	3	V	0.02	5.4	7.01	143
180970078	2012	2	21	4	V	0.02	4.6	6.67	133
180970078	2012	2	21	5	V	0.02	3.1	6.26	137
180970078	2012	2	21	6	V	0.02	1.7	7.26	158
180970078	2012	2	21	7	V	0.03	1	6.58	179
180970078	2012	2	21	8	V	0.01	1.1	7.43	175
180970078	2012	2	21	9	V	0.1	1.2	7.65	198
180970078	2012	2	21	10	V	1.1	4.4	8.86	227
180970078	2012	2	21	11	V	0.1	2	9.13	234
180970078	2012	2	21	12	V	0.08	1.8	8.62	233
180970078	2012	2	21	13	V	0.02	2.4	9.19	236
180970078	2012	2	21	14	V	0.03	1.9	8.81	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	21	15	V	1.0	1.9	8.28	227
180970078	2012	2	21	16	V	1.4	1.2	9.34	230
180970078	2012	2	21	17	V	0.6	2	8.64	232
180970078	2012	2	21	18	V	0.3	1.8	8.08	234
180970078	2012	2	21	19	V	0.1	1.5	7.38	241
180970078	2012	2	21	20	V	0.1	1.7	7.21	238
180970078	2012	2	21	21	V	1.2	1.3	6.65	230
180970078	2012	2	21	22	V	2.1	1.4	6.09	228
180970078	2012	2	21	23	V	2.0	2.1	5.46	228
180970078	2012	2	21	24	V	10.7	2.5	4.09	222
180970078	2012	2	22	1	V	11.7	3.9	4.54	221
180970078	2012	2	22	2	V	0.03	2.7	4.2	195
180970078	2012	2	22	3	V	0.03	1.6	3.63	196
180970078	2012	2	22	4	V	0.06	2.4	4.12	200
180970078	2012	2	22	5	V	14.9	2.1	4.86	214
180970078	2012	2	22	6	V	0.02	1.9	4.36	190
180970078	2012	2	22	7	V	0.3	1.8	3.83	195
180970078	2012	2	22	8	V	0.2	2.3	3.17	188
180970078	2012	2	22	9	V	16.3	3.1	2.69	206
180970078	2012	2	22	10	V	10.6	10.6	4.22	206
180970078	2012	2	22	11	V	11.0	25.1	5.82	212
180970078	2012	2	22	12	V	0.3	34	5.9	199
180970078	2012	2	22	13	V	0.07	20.9	6.67	196
180970078	2012	2	22	14	V	2.2	18.2	8.08	206
180970078	2012	2	22	15	V	4.0	11.1	9.05	221
180970078	2012	2	22	16	V	8.5	18.3	8.23	222
180970078	2012	2	22	17	V	13.4	15.2	8.35	217
180970078	2012	2	22	18	V	3.6	2.5	8.56	226
180970078	2012	2	22	19	V	0.3	2.7	8.83	234
180970078	2012	2	22	20	V	0.1	2.4	8.95	245
180970078	2012	2	22	21	V	0.2	2.4	6.21	243
180970078	2012	2	22	22	V	0.3	2	5.12	251
180970078	2012	2	22	23	V	0.07	-999	4.39	239
180970078	2012	2	22	24	V	0.09	1.4	3.37	240
180970078	2012	2	23	1	V	2.6	1.4	2.45	227
180970078	2012	2	23	2	V	5.0	2.7	1.72	227
180970078	2012	2	23	3	V	23.7	2.5	2.71	214
180970078	2012	2	23	4	V	0.06	2.7	2.25	240
180970078	2012	2	23	5	V	0.7	2.2	1.94	249
180970078	2012	2	23	6	V	0.2	1.8	1.43	284
180970078	2012	2	23	7	V	0.6	3.7	1.45	245
180970078	2012	2	23	8	V	0.6	4.7	1.55	145
180970078	2012	2	23	9	V	0.5	4.9	1.84	83
180970078	2012	2	23	10	V	0.3	2.9	2.55	126
180970078	2012	2	23	11	V	0.2	1	3.13	120
180970078	2012	2	23	12	V	0.05	1.1	4.99	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	23	13	V	0.04	2.3	5.21	103
180970078	2012	2	23	14	V	0.04	1.9	5.05	89
180970078	2012	2	23	15	V	0.01	2.1	7.3	77
180970078	2012	2	23	16	V	0.03	2.4	8.44	82
180970078	2012	2	23	17	V	0.02	3.6	7.71	97
180970078	2012	2	23	18	V	0.03	3.6	6.96	87
180970078	2012	2	23	19	V	0.02	3.5	7.77	102
180970078	2012	2	23	20	V	0.03	4.6	5.09	74
180970078	2012	2	23	21	V	0.03	3.4	4.51	64
180970078	2012	2	23	22	V	0.03	2.5	3.75	75
180970078	2012	2	23	23	V	0.03	-999	3.63	33
180970078	2012	2	23	24	V	0.03	1.7	3.8	28
180970078	2012	2	24	1	V	0.03	1.6	2.88	19
180970078	2012	2	24	2	V	0.02	1	2.74	34
180970078	2012	2	24	3	V	0.06	1.7	1.76	82
180970078	2012	2	24	4	V	2.2	0.2	3.37	228
180970078	2012	2	24	5	V	0.2	2.5	7.81	248
180970078	2012	2	24	6	V	0.2	1.6	7.43	246
180970078	2012	2	24	7	V	0.2	1.9	8.2	245
180970078	2012	2	24	8	V	0.02	1.9	12.33	250
180970078	2012	2	24	9	V	0.01	1.5	10.61	243
180970078	2012	2	24	10	V	0.02	1.5	12.13	247
180970078	2012	2	24	11	V	0.01	1.7	11.75	259
180970078	2012	2	24	12	V	0.005	1.7	11.41	274
180970078	2012	2	24	13	V	0.004	1.1	12.31	280
180970078	2012	2	24	14	V	0.005	1.2	12.02	284
180970078	2012	2	24	15	V	0.005	0.6	11.28	277
180970078	2012	2	24	16	V	0.005	1.5	10.72	281
180970078	2012	2	24	17	V	0.02	1	10.53	271
180970078	2012	2	24	18	V	0.02	0.6	10.09	274
180970078	2012	2	24	19	V	0.02	0.8	7.59	271
180970078	2012	2	24	20	V	0.02	0.9	10.78	268
180970078	2012	2	24	21	V	0.01	1.3	10.49	275
180970078	2012	2	24	22	V	0.01	1.1	10.44	280
180970078	2012	2	24	23	V	0.01	1	8.61	276
180970078	2012	2	24	24	V	0.01	0.9	8.56	272
180970078	2012	2	25	1	V	0.01	1.3	10.02	272
180970078	2012	2	25	2	V	0.01	0.9	9.7	272
180970078	2012	2	25	3	V	0.01	1.1	10.19	274
180970078	2012	2	25	4	V	0.01	1.4	10.85	282
180970078	2012	2	25	5	V	0.01	0.2	8.25	272
180970078	2012	2	25	6	V	0.01	0.6	6.04	266
180970078	2012	2	25	7	V	0.04	1.4	4.71	257
180970078	2012	2	25	8	V	0.02	1.8	4.37	265
180970078	2012	2	25	9	V	0.01	1.5	4.95	274
180970078	2012	2	25	10	V	0.005	1.6	6.8	278

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	25	11	V	0.004	1	8.45	293
180970078	2012	2	25	12	V	0.003	1.1	9.73	301
180970078	2012	2	25	13	V	0.004	0.4	8.4	296
180970078	2012	2	25	14	V	0.01	0.8	7.57	293
180970078	2012	2	25	15	V	0.004	0.8	7.06	296
180970078	2012	2	25	16	V	0.004	0.7	6.18	296
180970078	2012	2	25	17	V	0.01	0.5	4.82	295
180970078	2012	2	25	18	V	0.01	2	4.27	297
180970078	2012	2	25	19	V	0.01	0.8	3.93	267
180970078	2012	2	25	20	V	0.02	1.2	2.25	288
180970078	2012	2	25	21	V	0.08	1	1.33	309
180970078	2012	2	25	22	V	14.1	1.3	1.11	223
180970078	2012	2	25	23	V	0.4	2	1.11	200
180970078	2012	2	25	24	V	0.03	2.1	1.77	127
180970078	2012	2	26	1	V	0.02	1.3	2.4	165
180970078	2012	2	26	2	V	0.02	0.3	2.59	108
180970078	2012	2	26	3	V	0.01	0.7	3.12	100
180970078	2012	2	26	4	V	0.01	1.4	3.57	117
180970078	2012	2	26	5	V	0.01	0.5	3.07	128
180970078	2012	2	26	6	V	0.01	0.8	3.39	143
180970078	2012	2	26	7	V	0.02	1.8	3.95	134
180970078	2012	2	26	8	V	0.04	0.6	3.9	124
180970078	2012	2	26	9	V	0.02	2.5	5.02	131
180970078	2012	2	26	10	V	0.01	3.1	6.11	140
180970078	2012	2	26	11	V	0.005	3.3	7.4	156
180970078	2012	2	26	12	V	0.01	3.3	6.62	166
180970078	2012	2	26	13	V	0.01	1.8	6.46	165
180970078	2012	2	26	14	V	0.01	2.5	6.28	171
180970078	2012	2	26	15	V	0.004	2.9	7.3	162
180970078	2012	2	26	16	V	0.01	1.7	7.54	163
180970078	2012	2	26	17	V	0.01	1	7.55	171
180970078	2012	2	26	18	V	0.01	2	7.15	167
180970078	2012	2	26	19	V	0.01	1.8	5.8	166
180970078	2012	2	26	20	V	0.02	2.4	2.28	168
180970078	2012	2	26	21	V	0.03	2.4	1.72	157
180970078	2012	2	26	22	V	0.01	1.7	4.68	151
180970078	2012	2	26	23	V	0.01	1.9	6.14	166
180970078	2012	2	26	24	V	0.02	0.7	4.09	180
180970078	2012	2	27	1	V	0.01	0.9	3.25	199
180970078	2012	2	27	2	V	0.1	1.7	3.85	204
180970078	2012	2	27	3	V	0.3	1.4	4.34	203
180970078	2012	2	27	4	V	3.0	2.9	4.34	206
180970078	2012	2	27	5	V	16.4	11.9	4.51	217
180970078	2012	2	27	6	V	0.02	4.7	3.63	274
180970078	2012	2	27	7	V	0.2	3.5	2.9	262
180970078	2012	2	27	8	V	0.4	3.1	3.17	302

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	27	9	V	0.2	2.4	3.51	293
180970078	2012	2	27	10	V	0.04	0.7	6.36	294
180970078	2012	2	27	11	V	0.03	1.5	6.92	286
180970078	2012	2	27	12	V	0.02	0	7.84	282
180970078	2012	2	27	13	V	0.02	-999	7.64	284
180970078	2012	2	27	14	V	0.01	1.2	10.04	275
180970078	2012	2	27	15	V	0.01	0.5	8.23	285
180970078	2012	2	27	16	V	0.01	0.6	7.93	283
180970078	2012	2	27	17	V	0.03	0.8	6.8	293
180970078	2012	2	27	18	V	0.03	0.8	6.31	305
180970078	2012	2	27	19	V	0.03	0.5	5.34	318
180970078	2012	2	27	20	V	0.04	0.5	4.93	335
180970078	2012	2	27	21	V	0.04	0.7	3.58	338
180970078	2012	2	27	22	V	0.06	1.2	2.62	360
180970078	2012	2	27	23	V	0.06	-999	2.69	25
180970078	2012	2	27	24	V	0.05	0.8	2.64	35
180970078	2012	2	28	1	V	0.05	1.2	2.95	48
180970078	2012	2	28	2	V	0.07	1.7	2.4	54
180970078	2012	2	28	3	V	0.06	0.5	2.59	56
180970078	2012	2	28	4	V	0.05	1.2	2.62	73
180970078	2012	2	28	5	V	0.04	1.1	3.3	80
180970078	2012	2	28	6	V	0.04	1.1	4.02	96
180970078	2012	2	28	7	V	0.06	0.6	4.56	97
180970078	2012	2	28	8	V	0.2	0.7	3.9	108
180970078	2012	2	28	9	V	0.1	1	4.48	112
180970078	2012	2	28	10	V	0.09	2.3	4.71	104
180970078	2012	2	28	11	V	0.04	2.5	5.42	123
180970078	2012	2	28	12	V	0.1	3.5	4.36	139
180970078	2012	2	28	13	V	0.2	6.7	3.36	110
180970078	2012	2	28	14	V	0.1	6.6	3.36	135
180970078	2012	2	28	15	V	0.04	6.7	4.86	132
180970078	2012	2	28	16	V	0.06	5.4	3.86	139
180970078	2012	2	28	17	V	0.04	4.1	3.86	122
180970078	2012	2	28	18	V	0.04	3.1	3.34	117
180970078	2012	2	28	19	V	0.04	3.4	3.34	97
180970078	2012	2	28	20	V	0.04	5.9	4.51	103
180970078	2012	2	28	21	V	0.05	12.4	4.68	102
180970078	2012	2	28	22	V	0.04	12.8	5.45	108
180970078	2012	2	28	23	V	0.03	-999	6.84	121
180970078	2012	2	28	24	V	0.03	-999	8.4	131
180970078	2012	2	29	1	V	0.02	7.8	6.75	137
180970078	2012	2	29	2	V	0.01	3	6.35	140
180970078	2012	2	29	3	V	0.02	1.4	3.95	128
180970078	2012	2	29	4	V	0.02	1	3.76	128
180970078	2012	2	29	5	V	0.02	1.6	3.13	169
180970078	2012	2	29	6	V	0.02	1	4.34	169

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	2	29	7	V	2.6	1.8	8.85	218
180970078	2012	2	29	8	V	1.8	2	8.95	214
180970078	2012	2	29	9	V	2.2	4.8	8.91	221
180970078	2012	2	29	10	V	0.04	4.1	10.26	236
180970078	2012	2	29	11	V	0.02	3	9.59	239
180970078	2012	2	29	12	V	0.07	2.4	8.76	236
180970078	2012	2	29	13	V	0.1	1.8	8.5	235
180970078	2012	2	29	14	V	0.02	1.4	9.07	243
180970078	2012	2	29	15	V	0.01	1.6	9.25	240
180970078	2012	2	29	16	V	0.01	0.6	10.24	240
180970078	2012	2	29	17	V	0.07	2.4	12.23	243
180970078	2012	2	29	18	V	0.07	1.4	11.45	242
180970078	2012	2	29	19	V	0.08	1.4	11.36	237
180970078	2012	2	29	20	V	0.06	1.4	10.31	240
180970078	2012	2	29	21	V	0.01	1.4	10.65	283
180970078	2012	2	29	22	V	0.01	1.2	9.2	278
180970078	2012	2	29	23	V	0.01	0.9	8.88	274
180970078	2012	2	29	24	V	0.01	1.2	12.24	271
180970078	2012	3	1	1	V	0.01	0.9	10.65	264
180970078	2012	3	1	2	V	0.01	0.4	8.24	264
180970078	2012	3	1	3	V	0.02	0.4	6.94	261
180970078	2012	3	1	4	V	0.01	0.4	8.4	277
180970078	2012	3	1	5	V	0.01	1.4	7.65	265
180970078	2012	3	1	6	V	0.01	0.3	6.5	268
180970078	2012	3	1	7	V	0.01	0.8	5.68	269
180970078	2012	3	1	8	V	0.01	1	5.65	268
180970078	2012	3	1	9	V	0.01	1.1	5.67	269
180970078	2012	3	1	10	V	0.01	1.4	5.26	261
180970078	2012	3	1	11	V	0.01	1.6	5.5	266
180970078	2012	3	1	12	V	0.01	0.7	4.7	263
180970078	2012	3	1	13	V	0.02	1.4	4.36	260
180970078	2012	3	1	14	V	0.03	0.9	3.25	271
180970078	2012	3	1	15	V	0.07	1.6	4.15	247
180970078	2012	3	1	16	V	0.06	0.7	3.66	252
180970078	2012	3	1	17	V	0.2	2.8	3.9	243
180970078	2012	3	1	18	V	0.3	3.3	3.69	246
180970078	2012	3	1	19	V	7.6	1.4	1.11	211
180970078	2012	3	1	20	V	0.02	2.6	2.22	101
180970078	2012	3	1	21	V	0.02	3.5	2.61	104
180970078	2012	3	1	22	V	0.01	2.1	2.9	98
180970078	2012	3	1	23	V	0.01	2.8	3.56	65
180970078	2012	3	1	24	V	0.01	1.2	3.2	63
180970078	2012	3	2	1	V	0.01	1.3	3.29	69
180970078	2012	3	2	2	V	0.01	0.9	4.41	89
180970078	2012	3	2	3	V	0.01	1.3	4.39	99
180970078	2012	3	2	4	V	0.01	2.5	5.14	112

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	2	5	V	0.01	3.1	5.75	119
180970078	2012	3	2	6	V	0.01	4.5	6.21	121
180970078	2012	3	2	7	V	0.02	4.3	5.36	122
180970078	2012	3	2	8	V	0.01	5.4	5.38	131
180970078	2012	3	2	9	V	0.02	5	4.48	122
180970078	2012	3	2	10	V	0.02	3.8	4.63	130
180970078	2012	3	2	11	V	0.04	3.2	3.54	109
180970078	2012	3	2	12	V	0.05	1.2	3.42	127
180970078	2012	3	2	13	V	0.01	1.4	5.51	136
180970078	2012	3	2	14	V	0.01	1.6	5.82	148
180970078	2012	3	2	15	V	0.01	0.9	5.09	180
180970078	2012	3	2	16	V	0.5	1.4	6.14	231
180970078	2012	3	2	17	V	0.09	2.8	9.8	237
180970078	2012	3	2	18	V	0.07	2.4	14.01	249
180970078	2012	3	2	19	V	0.03	1.5	14.61	258
180970078	2012	3	2	20	V	0.01	1.9	13.23	263
180970078	2012	3	2	21	V	0.01	0.9	13.38	273
180970078	2012	3	2	22	V	0.01	0.5	11.02	277
180970078	2012	3	2	23	V	0.01	1.4	8.85	279
180970078	2012	3	2	24	V	0.01	0.2	8.83	286
180970078	2012	3	3	1	V	0.01	0.6	8.81	282
180970078	2012	3	3	2	V	0.01	0.8	6.84	265
180970078	2012	3	3	3	V	0.2	1.2	6.16	245
180970078	2012	3	3	4	V	0.1	0.8	6.4	242
180970078	2012	3	3	5	V	0.09	0.8	6.41	241
180970078	2012	3	3	6	V	0.1	0.6	8.08	247
180970078	2012	3	3	7	V	0.01	0.9	8.39	255
180970078	2012	3	3	8	V	0.01	1.5	8.18	256
180970078	2012	3	3	9	V	0.004	1.2	7.48	263
180970078	2012	3	3	10	V	0.04	0.9	7.77	250
180970078	2012	3	3	11	V	0.03	1.4	7.91	246
180970078	2012	3	3	12	V	0.02	1.7	9.44	250
180970078	2012	3	3	13	V	0.03	1.4	9.3	247
180970078	2012	3	3	14	V	0.01	1	10.56	253
180970078	2012	3	3	15	V	0.003	0.9	9.15	263
180970078	2012	3	3	16	V	0.03	0.5	8.28	261
180970078	2012	3	3	17	V	0.01	1.4	8.3	269
180970078	2012	3	3	18	V	0.01	0.2	7.86	273
180970078	2012	3	3	19	V	0.08	0.4	6.7	256
180970078	2012	3	3	20	V	0.1	1.1	6.82	255
180970078	2012	3	3	21	V	0.01	1.3	7.4	266
180970078	2012	3	3	22	V	0.01	-999	5.7	279
180970078	2012	3	3	23	V	0.01	-999	4.78	271
180970078	2012	3	3	24	V	0.02	0.5	4.03	262
180970078	2012	3	4	1	V	0.05	0	3.34	239
180970078	2012	3	4	2	V	0.2	1.2	3.91	253

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	4	3	V	0.01	0.9	3.78	271
180970078	2012	3	4	4	V	0.01	0.5	3.83	266
180970078	2012	3	4	5	V	0.02	0.4	3.56	259
180970078	2012	3	4	6	V	0.1	0.3	3.57	255
180970078	2012	3	4	7	V	0.2	1.6	4.42	251
180970078	2012	3	4	8	V	0.04	1	4.46	257
180970078	2012	3	4	9	V	0.01	0.8	5.09	267
180970078	2012	3	4	10	V	0.01	0.3	6.23	278
180970078	2012	3	4	11	V	0.02	1.5	6.36	283
180970078	2012	3	4	12	V	0.01	1.1	6.33	281
180970078	2012	3	4	13	V	0.02	1.4	6.35	273
180970078	2012	3	4	14	V	0.02	0.8	6.16	261
180970078	2012	3	4	15	V	0.01	1	5.72	264
180970078	2012	3	4	16	V	0.01	0.1	5.38	269
180970078	2012	3	4	17	V	0.1	0.7	6.53	256
180970078	2012	3	4	18	V	0.03	1	6.14	270
180970078	2012	3	4	19	V	0.08	1	4.9	258
180970078	2012	3	4	20	V	0.05	1.3	3.01	271
180970078	2012	3	4	21	V	0.05	0.5	3.12	262
180970078	2012	3	4	22	V	0.06	0.9	2.45	265
180970078	2012	3	4	23	V	0.07	0.4	3.52	259
180970078	2012	3	4	24	V	0.04	0.6	4.17	302
180970078	2012	3	5	1	V	0.04	0.3	4.53	324
180970078	2012	3	5	2	V	0.03	0	6.04	324
180970078	2012	3	5	3	V	0.03	0.8	6.02	316
180970078	2012	3	5	4	V	0.04	1	6.01	310
180970078	2012	3	5	5	V	0.04	1.9	5.87	301
180970078	2012	3	5	6	V	0.04	0.7	5.96	306
180970078	2012	3	5	7	V	0.07	0.3	5.38	309
180970078	2012	3	5	8	V	0.04	1	6.06	305
180970078	2012	3	5	9	V	0.05	0.8	5.65	308
180970078	2012	3	5	10	V	0.05	1.5	5.82	314
180970078	2012	3	5	11	V	0.1	1.3	4.66	320
180970078	2012	3	5	12	V	0.07	2	5.33	314
180970078	2012	3	5	13	V	0.07	2.2	5.38	299
180970078	2012	3	5	14	V	0.08	2.4	4.51	296
180970078	2012	3	5	15	V	0.07	-999	4.54	291
180970078	2012	3	5	16	V	0.04	-999	4.61	274
180970078	2012	3	5	17	V	0.04	2.6	4.17	266
180970078	2012	3	5	18	V	10.1	2.6	3.81	222
180970078	2012	3	5	19	V	40.7	3.2	3.2	215
180970078	2012	3	5	20	V	15.2	6.9	2.69	207
180970078	2012	3	5	21	V	2.9	4.7	3.78	204
180970078	2012	3	5	22	V	0.2	3.9	4.54	200
180970078	2012	3	5	23	V	0.2	3.4	4.61	200
180970078	2012	3	5	24	V	0.02	3.2	4.65	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	6	1	V	0.02	2.6	4.97	148
180970078	2012	3	6	2	V	0.03	2.9	5.7	150
180970078	2012	3	6	3	V	0.03	3.6	5.41	143
180970078	2012	3	6	4	V	0.02	4.2	5.14	146
180970078	2012	3	6	5	V	0.02	3.5	5.89	145
180970078	2012	3	6	6	V	0.02	3.4	5.48	151
180970078	2012	3	6	7	V	0.03	3.6	5.17	147
180970078	2012	3	6	8	V	0.06	3.5	4.43	151
180970078	2012	3	6	9	V	0.05	4.6	4.85	158
180970078	2012	3	6	10	V	0.02	4.8	6.5	168
180970078	2012	3	6	11	V	0.02	4.7	6.82	179
180970078	2012	3	6	12	V	0.01	4.4	7.88	185
180970078	2012	3	6	13	V	0.01	3.5	8.83	193
180970078	2012	3	6	14	V	0.01	4	8.42	193
180970078	2012	3	6	15	V	0.5	4.1	10.38	203
180970078	2012	3	6	16	V	0.9	9.7	10.8	205
180970078	2012	3	6	17	V	2.0	5.1	10.9	202
180970078	2012	3	6	18	V	0.03	4	10.22	192
180970078	2012	3	6	19	V	0.02	3.9	9.19	189
180970078	2012	3	6	20	V	0.02	3.4	6.91	184
180970078	2012	3	6	21	V	0.02	4.4	6.7	172
180970078	2012	3	6	22	V	0.02	-999	7.89	173
180970078	2012	3	6	23	V	0.02	-999	8.91	182
180970078	2012	3	6	24	V	0.02	-999	8.54	187
180970078	2012	3	7	1	V	0.02	1.2	7.69	187
180970078	2012	3	7	2	V	0.02	1.8	8.52	193
180970078	2012	3	7	3	V	0.3	1.7	9.36	198
180970078	2012	3	7	4	V	0.1	1.1	8.16	197
180970078	2012	3	7	5	V	0.05	2.4	7.82	196
180970078	2012	3	7	6	V	0.02	2	6.86	193
180970078	2012	3	7	7	V	0.2	1.4	7.71	200
180970078	2012	3	7	8	V	0.02	1.3	9.69	195
180970078	2012	3	7	9	V	0.01	1.9	9.95	194
180970078	2012	3	7	10	V	0.02	1.3	11.85	197
180970078	2012	3	7	11	V	0.05	-999	11.87	198
180970078	2012	3	7	12	V	0.9	-999	11.67	205
180970078	2012	3	7	13	V	2.3	6	13.32	210
180970078	2012	3	7	14	V	2.5	6.6	12.91	210
180970078	2012	3	7	15	V	0.7	7.8	13.06	205
180970078	2012	3	7	16	V	1.8	2.5	12.07	209
180970078	2012	3	7	17	V	3.5	1.6	12.5	205
180970078	2012	3	7	18	V	0.03	1.8	10.6	192
180970078	2012	3	7	19	V	0.05	1.6	9.18	194
180970078	2012	3	7	20	V	0.03	2.2	8.98	192
180970078	2012	3	7	21	V	0.02	0.6	9.2	186
180970078	2012	3	7	22	V	0.02	1.6	9.36	184

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	7	23	V	0.02	1.8	9.73	184
180970078	2012	3	7	24	V	0.02	1.1	8.83	189
180970078	2012	3	8	1	V	0.02	1.5	7.93	192
180970078	2012	3	8	2	V	0.02	1.3	8.79	196
180970078	2012	3	8	3	V	0.08	1.9	10.46	200
180970078	2012	3	8	4	V	1.8	2.1	13.06	209
180970078	2012	3	8	5	V	2.2	1.7	12.26	210
180970078	2012	3	8	6	V	2.7	1.8	10.97	211
180970078	2012	3	8	7	V	0.4	1.5	9.07	208
180970078	2012	3	8	8	V	1.4	0.9	8.37	213
180970078	2012	3	8	9	V	0.2	1.3	5.56	235
180970078	2012	3	8	10	V	0.004	0.8	7.06	292
180970078	2012	3	8	11	V	0.01	0.3	4.53	303
180970078	2012	3	8	12	V	0.01	0.8	6.01	294
180970078	2012	3	8	13	V	0.004	0.1	7.54	290
180970078	2012	3	8	14	V	0.004	0.8	7.33	298
180970078	2012	3	8	15	V	0.003	0.6	8.15	299
180970078	2012	3	8	16	V	0.01	0.4	7.64	300
180970078	2012	3	8	17	V	0.01	0	7.96	294
180970078	2012	3	8	18	V	0.01	0.1	8.2	288
180970078	2012	3	8	19	V	0.01	0	6.3	289
180970078	2012	3	8	20	V	0.01	0.2	6.45	303
180970078	2012	3	8	21	V	0.01	0.3	3.68	288
180970078	2012	3	8	22	V	0.01	0	3.92	270
180970078	2012	3	8	23	V	0.01	1	4.12	270
180970078	2012	3	8	24	V	0.05	0.5	3.52	258
180970078	2012	3	9	1	V	0.1	0.5	4	255
180970078	2012	3	9	2	V	0.01	0.6	5.6	276
180970078	2012	3	9	3	V	0.01	0.7	6.19	275
180970078	2012	3	9	4	V	0.02	1.2	5.39	261
180970078	2012	3	9	5	V	0.3	0.8	4.92	250
180970078	2012	3	9	6	V	0.2	0.5	6.31	250
180970078	2012	3	9	7	V	0.004	1.4	7.31	271
180970078	2012	3	9	8	V	0.004	1.4	7.13	286
180970078	2012	3	9	9	V	0.004	0.7	8.33	304
180970078	2012	3	9	10	V	0.003	1	9.24	313
180970078	2012	3	9	11	V	0.004	1.1	8.79	321
180970078	2012	3	9	12	V	0.004	0.4	8.79	322
180970078	2012	3	9	13	V	0.004	1.4	8.1	319
180970078	2012	3	9	14	V	0.004	0.8	7.54	313
180970078	2012	3	9	15	V	0.004	0.8	7.76	321
180970078	2012	3	9	16	V	0.003	0.8	8.28	325
180970078	2012	3	9	17	V	0.01	0.6	6.91	325
180970078	2012	3	9	18	V	0.01	0.8	5.78	338
180970078	2012	3	9	19	V	0.01	0.5	4.7	341
180970078	2012	3	9	20	V	0.01	1.2	3.73	356

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	9	21	V	0.01	1.4	4.46	24
180970078	2012	3	9	22	V	0.01	0.6	4.14	32
180970078	2012	3	9	23	V	0.01	0.4	4.1	43
180970078	2012	3	9	24	V	0.01	1	4.53	43
180970078	2012	3	10	1	V	0.01	0.4	3.24	47
180970078	2012	3	10	2	V	0.02	0.3	2.39	66
180970078	2012	3	10	3	V	0.02	0.9	2.35	97
180970078	2012	3	10	4	V	0.02	0.1	2.47	93
180970078	2012	3	10	5	V	0.01	0.5	2.83	79
180970078	2012	3	10	6	V	0.01	0.2	3.03	92
180970078	2012	3	10	7	V	0.03	0.4	3.49	102
180970078	2012	3	10	8	V	0.02	1	4.39	122
180970078	2012	3	10	9	V	0.01	0.8	5.43	133
180970078	2012	3	10	10	V	0.02	1.1	5.09	141
180970078	2012	3	10	11	V	0.01	1	4.99	167
180970078	2012	3	10	12	V	0.02	3.5	4.2	162
180970078	2012	3	10	13	V	0.04	7.8	3.73	177
180970078	2012	3	10	14	V	0.02	7.3	5.11	193
180970078	2012	3	10	15	V	0.02	6.9	4.1	190
180970078	2012	3	10	16	V	0.02	10.1	4.12	196
180970078	2012	3	10	17	V	0.01	4.5	3.95	188
180970078	2012	3	10	18	V	0.01	4	4.34	186
180970078	2012	3	10	19	V	0.01	1.6	3.56	177
180970078	2012	3	10	20	V	0.01	1	3.46	137
180970078	2012	3	10	21	V	0.01	1.6	4.31	142
180970078	2012	3	10	22	V	0.01	0.9	4.24	155
180970078	2012	3	10	23	V	0.01	0.7	3.44	164
180970078	2012	3	10	24	V	0.02	0.6	2.38	168
180970078	2012	3	11	1	V	0.03	1.4	1.91	131
180970078	2012	3	11	2	V	0.01	1	2.67	136
180970078	2012	3	11	3	V	0.01	1.7	2.96	147
180970078	2012	3	11	4	V	0.02	1.3	2.49	170
180970078	2012	3	11	5	V	0.02	0.7	2.03	164
180970078	2012	3	11	6	V	0.02	1.1	2.06	118
180970078	2012	3	11	7	V	0.09	0.5	1.99	124
180970078	2012	3	11	8	V	0.2	1.3	1.72	144
180970078	2012	3	11	9	V	0.2	1.4	1.89	139
180970078	2012	3	11	10	V	0.07	1.8	3.23	180
180970078	2012	3	11	11	V	0.02	2.9	5.21	188
180970078	2012	3	11	12	V	0.7	5.1	5.46	205
180970078	2012	3	11	13	V	0.02	5.3	4.56	192
180970078	2012	3	11	14	V	0.01	1.9	5.63	188
180970078	2012	3	11	15	V	0.01	1.5	4.76	179
180970078	2012	3	11	16	V	0.01	1.2	4.27	174
180970078	2012	3	11	17	V	0.01	1.4	4.88	168
180970078	2012	3	11	18	V	0.02	1.8	4.09	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	11	19	V	0.01	1.5	4.37	143
180970078	2012	3	11	20	V	0.02	1.4	3.47	134
180970078	2012	3	11	21	V	0.01	1.2	4.71	144
180970078	2012	3	11	22	V	0.01	0.5	4.6	147
180970078	2012	3	11	23	V	0.01	0.9	4.34	144
180970078	2012	3	11	24	V	0.01	0.8	5.04	151
180970078	2012	3	12	1	V	0.01	0.6	5.12	160
180970078	2012	3	12	2	V	0.02	1	3.93	159
180970078	2012	3	12	3	V	0.01	1.2	4.82	156
180970078	2012	3	12	4	V	0.01	0.8	5.04	150
180970078	2012	3	12	5	V	0.01	0.1	4.27	145
180970078	2012	3	12	6	V	0.01	0.5	4.53	143
180970078	2012	3	12	7	V	0.01	0.7	4.41	147
180970078	2012	3	12	8	V	0.01	0.7	5.16	155
180970078	2012	3	12	9	V	0.004	1.4	7.52	181
180970078	2012	3	12	10	V	0.004	0.2	7.43	176
180970078	2012	3	12	11	V	0.003	1.3	8.01	180
180970078	2012	3	12	12	V	0.003	1.2	8.79	183
180970078	2012	3	12	13	V	0.003	1.2	9.29	185
180970078	2012	3	12	14	V	0.003	1.2	9.08	184
180970078	2012	3	12	15	V	0.003	1.7	9.56	189
180970078	2012	3	12	16	V	0.003	1.6	11.74	196
180970078	2012	3	12	17	V	0.01	1.4	11.38	190
180970078	2012	3	12	18	V	0.01	1.6	10.36	192
180970078	2012	3	12	19	V	0.01	1.4	8.35	193
180970078	2012	3	12	20	V	0.01	2.1	6.45	192
180970078	2012	3	12	21	V	0.01	1.8	6.07	190
180970078	2012	3	12	22	V	0.01	1.4	6.07	189
180970078	2012	3	12	23	V	0.1	1	6.82	202
180970078	2012	3	12	24	V	3.6	1.7	6.46	213
180970078	2012	3	13	1	V	1.7	3.5	6.72	228
180970078	2012	3	13	2	V	0.3	1.6	5.73	234
180970078	2012	3	13	3	V	0.2	1.9	4.71	234
180970078	2012	3	13	4	V	0.06	0.9	3.81	237
180970078	2012	3	13	5	V	0.06	0.5	3.37	256
180970078	2012	3	13	6	V	0.02	1.1	2.32	276
180970078	2012	3	13	7	V	0.2	1.4	2.69	246
180970078	2012	3	13	8	V	0.4	3	1.81	252
180970078	2012	3	13	9	V	3.0	2.1	1.52	240
180970078	2012	3	13	10	V	0.6	2.3	2.25	245
180970078	2012	3	13	11	V	0.4	1.3	2.49	246
180970078	2012	3	13	12	V	0.5	1.8	2.66	243
180970078	2012	3	13	13	V	0.2	1.7	3.27	246
180970078	2012	3	13	14	V	0.09	0.9	3.3	255
180970078	2012	3	13	15	V	0.02	0.4	3.86	268
180970078	2012	3	13	16	V	0.02	0.8	3.27	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	13	17	V	0.01	0.8	2.96	266
180970078	2012	3	13	18	V	0.01	0.8	2.66	266
180970078	2012	3	13	19	V	0.02	1	2.11	327
180970078	2012	3	13	20	V	0.3	2.7	0.86	18
180970078	2012	3	13	21	V	0.2	3	1.01	63
180970078	2012	3	13	22	V	0.02	3.5	2.15	175
180970078	2012	3	13	23	V	0.02	3.9	2.18	162
180970078	2012	3	13	24	V	0.01	3.9	3.81	166
180970078	2012	3	14	1	V	0.02	2.3	2.33	177
180970078	2012	3	14	2	V	0.01	1	3.92	173
180970078	2012	3	14	3	V	0.01	1.1	2.66	197
180970078	2012	3	14	4	V	0.4	0.6	3.13	207
180970078	2012	3	14	5	V	2.6	0.5	2.4	211
180970078	2012	3	14	6	V	0.02	0.9	2.5	192
180970078	2012	3	14	7	V	0.05	1.7	3.12	184
180970078	2012	3	14	8	V	0.08	2.6	2.86	161
180970078	2012	3	14	9	V	0.09	2.9	2.98	175
180970078	2012	3	14	10	V	0.8	4.6	4.59	203
180970078	2012	3	14	11	V	0.02	4.9	4.65	187
180970078	2012	3	14	12	V	0.02	7.6	4.24	188
180970078	2012	3	14	13	V	0.7	5.3	5.89	206
180970078	2012	3	14	14	V	0.01	3.1	6.13	195
180970078	2012	3	14	15	V	0.2	1.8	6.55	204
180970078	2012	3	14	16	V	1.4	1.9	6.64	211
180970078	2012	3	14	17	V	5.5	2.3	6.69	215
180970078	2012	3	14	18	V	3.5	2.7	6.53	212
180970078	2012	3	14	19	V	2.9	3.1	5.14	211
180970078	2012	3	14	20	V	0.01	1.5	3.85	191
180970078	2012	3	14	21	V	0.01	1.4	3.9	177
180970078	2012	3	14	22	V	0.01	1.8	4.22	174
180970078	2012	3	14	23	V	0.01	2	4.9	170
180970078	2012	3	14	24	V	0.01	2.1	4.2	177
180970078	2012	3	15	1	V	0.01	1.7	3.71	169
180970078	2012	3	15	2	V	0.02	1.4	5.16	200
180970078	2012	3	15	3	V	0.7	0.6	4.77	207
180970078	2012	3	15	4	V	11.4	1.2	4.1	219
180970078	2012	3	15	5	V	10.6	2.1	4.24	218
180970078	2012	3	15	6	V	4.3	1.5	4	226
180970078	2012	3	15	7	V	0.4	1.2	4.78	234
180970078	2012	3	15	8	V	2.0	1.6	4.76	229
180970078	2012	3	15	9	V	4.0	2.4	4.49	226
180970078	2012	3	15	10	V	0.8	5	6.58	229
180970078	2012	3	15	11	V	1.3	3.9	6.75	227
180970078	2012	3	15	12	V	1.6	2.9	7.16	226
180970078	2012	3	15	13	V	2.2	1.8	7.04	224
180970078	2012	3	15	14	V	2.1	1.8	7.08	224

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	15	15	V	2.8	1.5	7.35	222
180970078	2012	3	15	16	V	2.2	1.3	7.69	224
180970078	2012	3	15	17	V	0.07	1.8	9.05	240
180970078	2012	3	15	18	V	6.0	1.5	5.04	215
180970078	2012	3	15	19	V	2.8	2.1	4.53	210
180970078	2012	3	15	20	V	0.01	1.7	3.46	190
180970078	2012	3	15	21	V	0.02	1.5	3.54	177
180970078	2012	3	15	22	V	0.01	0.1	4.46	155
180970078	2012	3	15	23	V	0.02	0.6	3.29	156
180970078	2012	3	15	24	V	0.01	0.4	4.39	154
180970078	2012	3	16	1	V	0.02	0.8	3.86	163
180970078	2012	3	16	2	V	0.02	0.2	3.52	170
180970078	2012	3	16	3	V	0.02	1.4	3.12	199
180970078	2012	3	16	4	V	2.1	0.3	4.15	209
180970078	2012	3	16	5	V	0.01	0.6	2.37	174
180970078	2012	3	16	6	V	0.07	0.6	2.45	237
180970078	2012	3	16	7	V	0.4	1.1	1.47	187
180970078	2012	3	16	8	V	0.5	2.3	1.04	108
180970078	2012	3	16	9	V	0.2	1	2.18	172
180970078	2012	3	16	10	V	0.1	4.2	2.69	169
180970078	2012	3	16	11	V	0.2	8.7	3.61	197
180970078	2012	3	16	12	V	1.0	7.6	3.97	203
180970078	2012	3	16	13	V	0.04	3.1	4.09	193
180970078	2012	3	16	14	V	0.09	1.4	4.15	196
180970078	2012	3	16	15	V	0.1	1.6	4.02	198
180970078	2012	3	16	16	V	0.01	1.7	4.56	183
180970078	2012	3	16	17	V	0.01	0.6	4.58	193
180970078	2012	3	16	18	V	0.01	0.8	5.09	170
180970078	2012	3	16	19	V	0.01	1.1	5.12	153
180970078	2012	3	16	20	V	0.01	1.4	4.37	144
180970078	2012	3	16	21	V	0.01	1.2	4.14	144
180970078	2012	3	16	22	V	0.01	1.4	3.68	153
180970078	2012	3	16	23	V	0.01	1	3.06	135
180970078	2012	3	16	24	V	0.01	1.2	3.59	142
180970078	2012	3	17	1	V	0.01	1.2	3.29	150
180970078	2012	3	17	2	V	0.02	0.6	2.13	146
180970078	2012	3	17	3	V	0.03	0.7	1.77	115
180970078	2012	3	17	4	V	0.03	0.4	1.91	111
180970078	2012	3	17	5	V	0.01	1.1	2.61	114
180970078	2012	3	17	6	V	0.05	0.4	1.47	116
180970078	2012	3	17	7	V	0.2	0.4	1.82	121
180970078	2012	3	17	8	V	0.2	0.7	2.06	132
180970078	2012	3	17	9	V	0.08	0.8	3.18	114
180970078	2012	3	17	10	V	0.1	1.3	2.98	153
180970078	2012	3	17	11	V	0.04	1.2	3.64	140
180970078	2012	3	17	12	V	0.02	2.2	4.37	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	17	13	V	0.03	1.4	3.92	163
180970078	2012	3	17	14	V	0.03	1.4	3.49	180
180970078	2012	3	17	15	V	0.02	1.4	3.71	170
180970078	2012	3	17	16	V	0.02	1	3.61	191
180970078	2012	3	17	17	V	0.1	0.7	3.42	201
180970078	2012	3	17	18	V	0.01	1.6	3.08	181
180970078	2012	3	17	19	V	0.01	1.4	2.9	169
180970078	2012	3	17	20	V	0.01	1.5	2.95	164
180970078	2012	3	17	21	V	0.01	1.6	3.61	140
180970078	2012	3	17	22	V	0.01	1.6	6.34	153
180970078	2012	3	17	23	V	0.02	1.3	3.88	147
180970078	2012	3	17	24	V	4.5	0.9	5.85	213
180970078	2012	3	18	1	V	10.2	0.6	4.03	221
180970078	2012	3	18	2	V	0.01	1	2.5	169
180970078	2012	3	18	3	V	0.02	0.7	2.37	187
180970078	2012	3	18	4	V	0.02	0.7	2.79	195
180970078	2012	3	18	5	V	0.02	1.2	2.86	154
180970078	2012	3	18	6	V	0.03	0.7	1.55	174
180970078	2012	3	18	7	V	0.08	0.5	1.87	177
180970078	2012	3	18	8	V	0.1	0.8	1.99	155
180970078	2012	3	18	9	V	0.07	0.4	2.98	180
180970078	2012	3	18	10	V	1.4	1.7	4.61	206
180970078	2012	3	18	11	V	1.0	4.1	5.02	232
180970078	2012	3	18	12	V	0.9	3	6.3	230
180970078	2012	3	18	13	V	0.04	2.2	5.73	240
180970078	2012	3	18	14	V	0.07	2.3	4.97	237
180970078	2012	3	18	15	V	0.09	1.5	5.39	237
180970078	2012	3	18	16	V	0.4	2.6	4.65	232
180970078	2012	3	18	17	V	4.3	2.7	4.82	226
180970078	2012	3	18	18	V	1.4	2.9	5.97	229
180970078	2012	3	18	19	V	0.2	1.4	3.93	233
180970078	2012	3	18	20	V	4.0	1	4.58	226
180970078	2012	3	18	21	V	11.8	2	3.17	217
180970078	2012	3	18	22	V	0.2	8.3	3.51	204
180970078	2012	3	18	23	V	0.01	6.1	2.86	191
180970078	2012	3	18	24	V	0.02	2.5	2.32	177
180970078	2012	3	19	1	V	0.01	1	2.81	158
180970078	2012	3	19	2	V	0.02	1.5	3.81	155
180970078	2012	3	19	3	V	0.02	0.8	3.13	148
180970078	2012	3	19	4	V	0.02	1.1	3.35	162
180970078	2012	3	19	5	V	0.03	1.2	2.66	184
180970078	2012	3	19	6	V	0.04	1.1	2.38	172
180970078	2012	3	19	7	V	0.1	1.6	3.1	172
180970078	2012	3	19	8	V	0.2	2.3	2.95	164
180970078	2012	3	19	9	V	0.3	2.3	2.83	170
180970078	2012	3	19	10	V	0.09	3.4	3.85	184

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	19	11	V	0.2	15.3	4.36	195
180970078	2012	3	19	12	V	4.1	22.9	3.85	202
180970078	2012	3	19	13	V	0.04	17.8	5.02	189
180970078	2012	3	19	14	V	0.2	2.5	4.56	196
180970078	2012	3	19	15	V	0.04	0.8	4.03	189
180970078	2012	3	19	16	V	0.02	1.2	5.41	163
180970078	2012	3	19	17	V	0.03	2.1	5.9	139
180970078	2012	3	19	18	V	0.03	1.4	5.6	163
180970078	2012	3	19	19	V	0.03	0.1	4.73	154
180970078	2012	3	19	20	V	0.03	1.1	4.34	147
180970078	2012	3	19	21	V	0.03	1.3	4.2	150
180970078	2012	3	19	22	V	0.03	-999	3.97	144
180970078	2012	3	19	23	V	0.03	-999	4.41	145
180970078	2012	3	19	24	V	0.03	-999	4.17	147
180970078	2012	3	20	1	V	0.02	-999	3.78	146
180970078	2012	3	20	2	V	0.03	-999	3.49	148
180970078	2012	3	20	3	V	0.03	-999	4	160
180970078	2012	3	20	4	V	0.03	-999	3.98	151
180970078	2012	3	20	5	V	0.03	-999	2.96	118
180970078	2012	3	20	6	V	0.04	-999	3.24	121
180970078	2012	3	20	7	V	0.09	-999	3.52	121
180970078	2012	3	20	8	V	0.09	-999	3.91	124
180970078	2012	3	20	9	V	0.05	-999	4.66	131
180970078	2012	3	20	10	V	0.1	-999	3.17	154
180970078	2012	3	20	11	V	0.1	-999	3.25	145
180970078	2012	3	20	12	V	0.08	-999	3.07	129
180970078	2012	3	20	13	V	0.03	-999	4.63	135
180970078	2012	3	20	14	V	0.04	-999	4.03	151
180970078	2012	3	20	15	V	0.04	-999	3.88	184
180970078	2012	3	20	16	V	0.02	-999	4.99	161
180970078	2012	3	20	17	V	0.03	-999	6.07	146
180970078	2012	3	20	18	V	0.02	-999	6.36	135
180970078	2012	3	20	19	V	0.02	-999	5.39	133
180970078	2012	3	20	20	V	0.03	-999	3.69	134
180970078	2012	3	20	21	V	0.03	-999	2.86	128
180970078	2012	3	20	22	V	0.03	-999	2.93	117
180970078	2012	3	20	23	V	0.04	-999	2.54	116
180970078	2012	3	20	24	V	0.02	-999	3.18	114
180970078	2012	3	21	1	V	0.02	-999	2.89	115
180970078	2012	3	21	2	V	0.02	-999	3.01	112
180970078	2012	3	21	3	V	0.03	-999	3.3	116
180970078	2012	3	21	4	V	0.03	-999	3.68	125
180970078	2012	3	21	5	V	0.02	-999	3.23	126
180970078	2012	3	21	6	V	0.03	-999	3.83	113
180970078	2012	3	21	7	V	0.06	-999	4.05	127
180970078	2012	3	21	8	V	0.1	-999	3.57	127

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	21	9	V	0.2	-999	3.3	132
180970078	2012	3	21	10	V	0.3	-999	2.55	178
180970078	2012	3	21	11	V	3.1	-999	3.41	200
180970078	2012	3	21	12	V	0.6	-999	4	194
180970078	2012	3	21	13	V	0.07	-999	3.41	179
180970078	2012	3	21	14	V	0.03	-999	4.02	154
180970078	2012	3	21	15	V	0.02	-999	5.29	141
180970078	2012	3	21	16	V	0.01	-999	5.68	143
180970078	2012	3	21	17	V	0.03	-999	6.79	138
180970078	2012	3	21	18	V	0.03	-999	5.84	141
180970078	2012	3	21	19	V	0.03	-999	4.63	137
180970078	2012	3	21	20	V	0.03	-999	3.42	145
180970078	2012	3	21	21	V	0.03	-999	2.79	138
180970078	2012	3	21	22	V	0.03	-999	3.23	137
180970078	2012	3	21	23	V	0.03	-999	3.12	142
180970078	2012	3	21	24	V	0.03	-999	3.37	148
180970078	2012	3	22	1	V	0.03	-999	3.34	156
180970078	2012	3	22	2	V	0.03	-999	2.96	175
180970078	2012	3	22	3	V	0.03	-999	2.86	172
180970078	2012	3	22	4	V	0.03	-999	4.15	178
180970078	2012	3	22	5	V	0.03	-999	2.32	125
180970078	2012	3	22	6	V	0.04	-999	2.16	99
180970078	2012	3	22	7	V	0.2	-999	2.71	109
180970078	2012	3	22	8	V	0.1	-999	3.59	128
180970078	2012	3	22	9	V	0.1	-999	3.64	136
180970078	2012	3	22	10	V	0.05	-999	4.58	173
180970078	2012	3	22	11	V	0.03	-999	4.65	181
180970078	2012	3	22	12	V	0.03	-999	4.73	175
180970078	2012	3	22	13	V	0.03	-999	4.39	171
180970078	2012	3	22	14	V	0.02	-999	5.36	159
180970078	2012	3	22	15	V	0.2	-999	5.59	198
180970078	2012	3	22	16	V	0.8	-999	5.3	202
180970078	2012	3	22	17	V	5.7	-999	7.57	224
180970078	2012	3	22	18	V	0.3	-999	3.73	249
180970078	2012	3	22	19	V	0.1	-999	1.16	81
180970078	2012	3	22	20	V	0.06	-999	1.91	100
180970078	2012	3	22	21	V	0.3	-999	1.14	108
180970078	2012	3	22	22	V	0.1	-999	1.59	164
180970078	2012	3	22	23	V	12.8	-999	3.1	221
180970078	2012	3	22	24	V	0.06	-999	1.82	113
180970078	2012	3	23	1	V	0.03	-999	4.14	119
180970078	2012	3	23	2	V	0.03	-999	4.44	123
180970078	2012	3	23	3	V	0.03	-999	3.68	107
180970078	2012	3	23	4	V	0.03	-999	3.01	111
180970078	2012	3	23	5	V	0.03	-999	3.35	131
180970078	2012	3	23	6	V	0.04	-999	3.74	125

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	23	7	V	0.03	-999	4.58	127
180970078	2012	3	23	8	V	0.03	-999	5.12	131
180970078	2012	3	23	9	V	0.02	-999	5.55	140
180970078	2012	3	23	10	V	0.03	-999	5.43	133
180970078	2012	3	23	11	V	0.06	-999	4.54	133
180970078	2012	3	23	12	V	0.05	-999	4.05	144
180970078	2012	3	23	13	V	0.06	-999	4.2	168
180970078	2012	3	23	14	V	0.09	-999	3.46	148
180970078	2012	3	23	15	V	0.06	-999	3.64	116
180970078	2012	3	23	16	V	0.04	-999	4.36	123
180970078	2012	3	23	17	V	0.03	-999	5.07	108
180970078	2012	3	23	18	V	0.03	-999	4.46	107
180970078	2012	3	23	19	V	0.03	-999	4.99	350
180970078	2012	3	23	20	V	0.03	-999	4.17	358
180970078	2012	3	23	21	V	0.03	-999	4.14	27
180970078	2012	3	23	22	V	0.03	-999	3.07	261
180970078	2012	3	23	23	V	0.02	-999	4.29	39
180970078	2012	3	23	24	V	0.02	-999	2.88	357
180970078	2012	3	24	1	V	0.01	-999	3.76	67
180970078	2012	3	24	2	V	0.01	-999	2.5	67
180970078	2012	3	24	3	V	0.02	-999	2.39	103
180970078	2012	3	24	4	V	0.01	-999	4.24	182
180970078	2012	3	24	5	V	0.01	-999	4.24	188
180970078	2012	3	24	6	V	5.3	-999	3.74	226
180970078	2012	3	24	7	V	0.2	-999	3.81	248
180970078	2012	3	24	8	V	0.2	-999	2.49	254
180970078	2012	3	24	9	V	0.05	-999	3.18	273
180970078	2012	3	24	10	V	0.1	-999	2.95	273
180970078	2012	3	24	11	V	0.07	-999	2.81	261
180970078	2012	3	24	12	V	0.2	-999	1.57	265
180970078	2012	3	24	13	V	4.8	-999	1.33	217
180970078	2012	3	24	14	V	1.2	-999	1.35	245
180970078	2012	3	24	15	V	0.4	-999	1.13	182
180970078	2012	3	24	16	V	0.2	-999	1.69	249
180970078	2012	3	24	17	V	0.04	-999	1.64	114
180970078	2012	3	24	18	V	10.1	-999	1.74	223
180970078	2012	3	24	19	V	0.4	-999	2.59	246
180970078	2012	3	24	20	V	0.3	-999	4.09	251
180970078	2012	3	24	21	V	0.02	-999	3.86	265
180970078	2012	3	24	22	V	0.01	-999	3.1	290
180970078	2012	3	24	23	V	0.02	-999	2.45	300
180970078	2012	3	24	24	V	0.01	-999	3.71	325
180970078	2012	3	25	1	V	0.02	-999	3.81	343
180970078	2012	3	25	2	V	0.02	-999	3.85	333
180970078	2012	3	25	3	V	0.01	-999	4.48	336
180970078	2012	3	25	4	V	0.02	-999	3.29	346

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	25	5	V	0.01	-999	3.98	326
180970078	2012	3	25	6	V	0.02	-999	4.78	336
180970078	2012	3	25	7	V	0.01	-999	4.99	337
180970078	2012	3	25	8	V	0.08	-999	2.78	355
180970078	2012	3	25	9	V	0.04	-999	3.86	325
180970078	2012	3	25	10	V	0.01	-999	4.85	331
180970078	2012	3	25	11	V	0.01	-999	5.12	324
180970078	2012	3	25	12	V	0.01	-999	5.34	331
180970078	2012	3	25	13	V	0.01	-999	5.11	330
180970078	2012	3	25	14	V	0.01	-999	4.37	339
180970078	2012	3	25	15	V	0.01	-999	4.44	339
180970078	2012	3	25	16	V	0.01	-999	4.71	334
180970078	2012	3	25	17	V	0.02	-999	4.78	339
180970078	2012	3	25	18	V	0.01	-999	4.59	354
180970078	2012	3	25	19	V	0.01	-999	3.91	329
180970078	2012	3	25	20	V	0.02	-999	2.67	305
180970078	2012	3	25	21	V	0.01	-999	3.35	319
180970078	2012	3	25	22	V	0.01	-999	3.83	343
180970078	2012	3	25	23	V	0.01	-999	3.49	351
180970078	2012	3	25	24	V	0.01	-999	3.81	6
180970078	2012	3	26	1	V	0.01	-999	3.47	354
180970078	2012	3	26	2	V	0.02	-999	4.27	354
180970078	2012	3	26	3	V	0.02	-999	4.78	8
180970078	2012	3	26	4	V	0.02	-999	5.12	12
180970078	2012	3	26	5	V	0.02	-999	4.97	3
180970078	2012	3	26	6	V	0.03	-999	5.41	16
180970078	2012	3	26	7	V	0.04	-999	4.88	14
180970078	2012	3	26	8	V	0.03	-999	5.12	28
180970078	2012	3	26	9	V	0.02	-999	6.43	34
180970078	2012	3	26	10	V	0.02	-999	5.82	40
180970078	2012	3	26	11	V	0.03	-999	5.04	49
180970078	2012	3	26	12	V	0.03	-999	5.38	41
180970078	2012	3	26	13	V	0.03	-999	5.38	46
180970078	2012	3	26	14	V	0.04	-999	4.88	62
180970078	2012	3	26	15	V	0.03	-999	4.95	61
180970078	2012	3	26	16	V	0.03	-999	4.88	65
180970078	2012	3	26	17	V	0.03	-999	4.9	67
180970078	2012	3	26	18	V	0.02	-999	5.63	72
180970078	2012	3	26	19	V	0.02	-999	5.94	74
180970078	2012	3	26	20	V	0.02	-999	6.45	69
180970078	2012	3	26	21	V	0.02	-999	6.84	70
180970078	2012	3	26	22	V	0.02	-999	6.46	73
180970078	2012	3	26	23	V	0.02	-999	6.81	83
180970078	2012	3	26	24	V	0.02	-999	6.86	85
180970078	2012	3	27	1	V	0.02	1.2	5.75	86
180970078	2012	3	27	2	V	0.02	0.7	6.28	89

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	27	3	V	0.02	0.5	5.9	101
180970078	2012	3	27	4	V	0.02	1.9	5.75	106
180970078	2012	3	27	5	V	0.02	0.4	5.61	106
180970078	2012	3	27	6	V	0.04	0.4	5.75	116
180970078	2012	3	27	7	V	0.02	0.9	6.02	113
180970078	2012	3	27	8	V	0.02	1.5	5.75	119
180970078	2012	3	27	9	V	0.01	2.2	6.89	127
180970078	2012	3	27	10	V	0.02	1.9	6.4	129
180970078	2012	3	27	11	V	0.03	2.1	5.31	136
180970078	2012	3	27	12	V	0.02	2.8	6.06	144
180970078	2012	3	27	13	V	0.02	2.7	5.6	145
180970078	2012	3	27	14	V	0.06	2	4.07	138
180970078	2012	3	27	15	V	0.06	1.9	3.8	134
180970078	2012	3	27	16	V	0.03	2.7	4.63	139
180970078	2012	3	27	17	V	0.03	6.1	5.31	128
180970078	2012	3	27	18	V	0.03	3.5	5.82	140
180970078	2012	3	27	19	V	0.03	1.9	5.87	151
180970078	2012	3	27	20	V	0.03	1.9	5.17	150
180970078	2012	3	27	21	V	0.03	1.4	4.27	159
180970078	2012	3	27	22	V	0.02	1.5	4.29	161
180970078	2012	3	27	23	V	0.02	2.9	3.36	166
180970078	2012	3	27	24	V	0.02	2.2	3.86	182
180970078	2012	3	28	1	V	0.03	2.3	3.86	179
180970078	2012	3	28	2	V	18.2	3.5	5.36	214
180970078	2012	3	28	3	V	3.6	23.5	6.96	226
180970078	2012	3	28	4	V	2.7	15	5.96	227
180970078	2012	3	28	5	V	0.8	3.5	6.46	231
180970078	2012	3	28	6	V	2.5	2.5	7.96	228
180970078	2012	3	28	7	V	0.1	2.1	4.36	246
180970078	2012	3	28	8	V	0.09	2.8	5.54	248
180970078	2012	3	28	9	V	0.04	2.3	5.1	258
180970078	2012	3	28	10	V	0.02	2.8	6.58	289
180970078	2012	3	28	11	V	0.01	1.3	7.47	300
180970078	2012	3	28	12	V	0.01	1.1	7.6	288
180970078	2012	3	28	13	V	0.01	0.7	8.08	283
180970078	2012	3	28	14	V	0.01	1	9	283
180970078	2012	3	28	15	V	0.01	0.7	10.92	281
180970078	2012	3	28	16	V	0.005	0.6	10.73	284
180970078	2012	3	28	17	V	0.02	0.9	9.34	290
180970078	2012	3	28	18	V	0.02	0.6	8.1	297
180970078	2012	3	28	19	V	0.02	0.7	6.48	301
180970078	2012	3	28	20	V	0.02	0.6	5.34	311
180970078	2012	3	28	21	V	0.02	1.3	4.8	309
180970078	2012	3	28	22	V	0.01	1.6	4.48	315
180970078	2012	3	28	23	V	0.01	1.7	5.6	351
180970078	2012	3	28	24	V	0.01	0.7	5.73	16

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	29	1	V	0.01	1.1	4.34	34
180970078	2012	3	29	2	V	0.01	0.8	3.86	37
180970078	2012	3	29	3	V	0.01	0.7	3.34	45
180970078	2012	3	29	4	V	0.01	0.7	2.86	43
180970078	2012	3	29	5	V	0.01	0.3	2.62	42
180970078	2012	3	29	6	V	0.05	0.7	2.37	62
180970078	2012	3	29	7	V	0.2	1.2	1.59	72
180970078	2012	3	29	8	V	0.2	0.9	1.94	58
180970078	2012	3	29	9	V	0.04	2.1	3.75	81
180970078	2012	3	29	10	V	0.02	1.7	4.68	83
180970078	2012	3	29	11	V	0.03	2.1	3.95	92
180970078	2012	3	29	12	V	0.05	1.4	3.03	84
180970078	2012	3	29	13	V	0.05	1.2	3.18	95
180970078	2012	3	29	14	V	0.04	1	2.96	131
180970078	2012	3	29	15	V	0.07	0.4	2.15	117
180970078	2012	3	29	16	V	0.06	0.4	2.08	88
180970078	2012	3	29	17	V	0.02	1.6	3.01	105
180970078	2012	3	29	18	V	0.01	0.7	2.69	100
180970078	2012	3	29	19	V	0.02	0.8	2.32	93
180970078	2012	3	29	20	V	0.02	1	3.13	68
180970078	2012	3	29	21	V	0.02	0.6	3.73	53
180970078	2012	3	29	22	V	0.02	0.7	4.12	78
180970078	2012	3	29	23	V	0.01	0.6	5.14	79
180970078	2012	3	29	24	V	0.01	0.1	5.17	95
180970078	2012	3	30	1	V	0.01	0.7	6.09	103
180970078	2012	3	30	2	V	0.01	0.7	5.1	113
180970078	2012	3	30	3	V	0.01	0.5	4.56	97
180970078	2012	3	30	4	V	0.01	1	4.42	85
180970078	2012	3	30	5	V	0.01	1	5.14	106
180970078	2012	3	30	6	V	0.01	1.1	5.5	120
180970078	2012	3	30	7	V	0.01	0.8	5.31	126
180970078	2012	3	30	8	V	0.02	1.7	4.97	130
180970078	2012	3	30	9	V	0.01	3	6.5	142
180970078	2012	3	30	10	V	0.01	4.2	6.16	151
180970078	2012	3	30	11	V	0.01	4.1	5.46	166
180970078	2012	3	30	12	V	0.01	3.6	6.11	188
180970078	2012	3	30	13	V	0.1	3.7	7.57	202
180970078	2012	3	30	14	V	2.0	5.2	10.71	223
180970078	2012	3	30	15	V	0.3	1.8	10.79	230
180970078	2012	3	30	16	V	0.9	1.6	9.25	227
180970078	2012	3	30	17	V	0.09	1.2	8.49	242
180970078	2012	3	30	18	V	3.3	0.9	3.47	227
180970078	2012	3	30	19	V	13.0	1.8	2.79	219
180970078	2012	3	30	20	V	0.02	2.2	2.23	287
180970078	2012	3	30	21	V	0.01	2.1	3.52	332
180970078	2012	3	30	22	V	0.01	1.1	5.53	359

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	3	30	23	V	0.01	1.1	5.45	5
180970078	2012	3	30	24	V	0.01	1.5	3.57	6
180970078	2012	3	31	1	V	0.01	0.8	2.5	358
180970078	2012	3	31	2	V	0.02	0.7	2.35	344
180970078	2012	3	31	3	V	0.02	1.5	3.49	336
180970078	2012	3	31	4	V	0.02	1	3.83	350
180970078	2012	3	31	5	V	0.01	0.7	4.17	8
180970078	2012	3	31	6	V	0.02	0.9	3.88	360
180970078	2012	3	31	7	V	0.03	0.8	3.81	11
180970078	2012	3	31	8	V	0.01	1.1	4.14	13
180970078	2012	3	31	9	V	0.01	1.1	4.34	38
180970078	2012	3	31	10	V	0.02	1.5	3.68	59
180970078	2012	3	31	11	V	0.04	1.3	2.79	42
180970078	2012	3	31	12	V	0.02	1.7	3.4	28
180970078	2012	3	31	13	V	0.05	0.9	3.18	45
180970078	2012	3	31	14	V	0.03	0.5	2.93	87
180970078	2012	3	31	15	V	0.03	1	2.57	98
180970078	2012	3	31	16	V	0.02	0.8	3.51	96
180970078	2012	3	31	17	V	0.02	0.9	3.57	108
180970078	2012	3	31	18	V	0.01	1.2	3.68	93
180970078	2012	3	31	19	V	0.01	0.5	3.44	88
180970078	2012	3	31	20	V	0.01	0.2	3.41	84
180970078	2012	3	31	21	V	0.01	0.8	4.09	92
180970078	2012	3	31	22	V	0.01	1.3	4.22	93
180970078	2012	3	31	23	V	0.01	0.5	3.95	100
180970078	2012	3	31	24	V	0.01	1.6	3.61	116
180970078	2012	4	1	1	V	0.01	1.4	3.73	117
180970078	2012	4	1	2	V	0.01	1.5	3.68	123
180970078	2012	4	1	3	V	0.01	1.1	3.47	139
180970078	2012	4	1	4	V	0.01	1.2	3.81	139
180970078	2012	4	1	5	V	0.01	0.8	4	144
180970078	2012	4	1	6	V	0.02	1.1	4.44	96
180970078	2012	4	1	7	V	0.01	1.9	5.02	150
180970078	2012	4	1	8	V	0.04	1.3	3.49	159
180970078	2012	4	1	9	V	0.1	1.7	2.44	153
180970078	2012	4	1	10	V	0.07	1.2	3.18	176
180970078	2012	4	1	11	V	0.01	2	6.41	187
180970078	2012	4	1	12	V	5.9	2.3	4.39	216
180970078	2012	4	1	13	V	1.2	5.1	6.47	209
180970078	2012	4	1	14	V	3.0	11.3	7.26	220
180970078	2012	4	1	15	V	3.3	7	6.77	221
180970078	2012	4	1	16	V	3.2	5.3	6.86	222
180970078	2012	4	1	17	V	0.7	2.8	6.48	233
180970078	2012	4	1	18	V	3.9	2.3	4.78	226
180970078	2012	4	1	19	V	7.2	2	3.24	224
180970078	2012	4	1	20	V	0.04	2	1.55	192

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	1	21	V	0.06	2.7	1.42	80
180970078	2012	4	1	22	V	0.02	2.2	2.38	99
180970078	2012	4	1	23	V	0.02	1.4	3.42	48
180970078	2012	4	1	24	V	0.01	1.3	5.72	59
180970078	2012	4	2	1	V	0.01	0.4	5.85	60
180970078	2012	4	2	2	V	0.02	1.2	5.79	63
180970078	2012	4	2	3	V	0.02	0.8	5.7	71
180970078	2012	4	2	4	V	0.02	0.8	6.29	67
180970078	2012	4	2	5	V	0.03	2.1	6.47	74
180970078	2012	4	2	6	V	0.01	2.3	7.28	81
180970078	2012	4	2	7	V	0.02	1.5	7.01	77
180970078	2012	4	2	8	V	0.01	1.1	8.16	84
180970078	2012	4	2	9	V	0.02	0.8	7.54	92
180970078	2012	4	2	10	V	0.02	0.6	7.65	98
180970078	2012	4	2	11	V	0.02	1	6.96	92
180970078	2012	4	2	12	V	0.02	0.9	7.06	91
180970078	2012	4	2	13	V	0.02	0.6	6.97	110
180970078	2012	4	2	14	V	0.04	0.5	5.9	108
180970078	2012	4	2	15	V	0.05	0.8	5.62	108
180970078	2012	4	2	16	V	0.03	0.8	5.89	109
180970078	2012	4	2	17	V	0.06	1.2	5.36	110
180970078	2012	4	2	18	V	0.03	2.2	5.63	115
180970078	2012	4	2	19	V	0.04	2.4	4.32	126
180970078	2012	4	2	20	V	0.04	2.8	4.05	93
180970078	2012	4	2	21	V	0.04	2	4.7	89
180970078	2012	4	2	22	V	0.04	1.7	4.68	97
180970078	2012	4	2	23	V	0.05	2.8	4.34	105
180970078	2012	4	2	24	V	0.05	1.5	5.24	102
180970078	2012	4	3	1	V	0.03	1.6	4.61	109
180970078	2012	4	3	2	V	0.03	1.6	3.68	112
180970078	2012	4	3	3	V	0.04	3.6	2.95	118
180970078	2012	4	3	4	V	0.04	4.8	2.79	108
180970078	2012	4	3	5	V	0.03	4.7	2.98	92
180970078	2012	4	3	6	V	0.1	6	3.13	112
180970078	2012	4	3	7	V	0.6	7.1	2.25	115
180970078	2012	4	3	8	V	0.9	8.1	2.05	118
180970078	2012	4	3	9	V	0.3	7	3.4	152
180970078	2012	4	3	10	V	0.8	14.2	2.62	182
180970078	2012	4	3	11	V	22.5	52.7	3.23	205
180970078	2012	4	3	12	V	39.1	44.3	2.37	211
180970078	2012	4	3	13	V	34.3	38.3	2.61	213
180970078	2012	4	3	14	V	2.8	22.1	3.47	231
180970078	2012	4	3	15	V	0.8	14	3.25	236
180970078	2012	4	3	16	V	25.6	2.5	3.08	216
180970078	2012	4	3	17	V	0.03	3.1	4.9	236
180970078	2012	4	3	18	V	0.2	2.4	3.81	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	3	19	V	0.2	2	3.25	235
180970078	2012	4	3	20	V	26.0	2	3.34	218
180970078	2012	4	3	21	V	0.2	2.3	2.81	235
180970078	2012	4	3	22	V	0.2	1.8	4.71	244
180970078	2012	4	3	23	V	0.04	1.8	5.41	290
180970078	2012	4	3	24	V	0.04	1.8	4.05	323
180970078	2012	4	4	1	V	0.04	2.2	2.84	330
180970078	2012	4	4	2	V	0.04	1.7	3.12	338
180970078	2012	4	4	3	V	0.04	1.7	2.44	331
180970078	2012	4	4	4	V	0.06	1.8	2.21	301
180970078	2012	4	4	5	V	0.05	2.2	2.47	49
180970078	2012	4	4	6	V	0.06	2.6	4.8	37
180970078	2012	4	4	7	V	0.08	4.2	4.97	37
180970078	2012	4	4	8	V	0.06	3.7	5.41	49
180970078	2012	4	4	9	V	0.04	3.6	6.02	46
180970078	2012	4	4	10	V	0.04	3.1	5.73	52
180970078	2012	4	4	11	V	0.05	4	5.24	68
180970078	2012	4	4	12	V	0.05	4.6	5.34	58
180970078	2012	4	4	13	V	0.2	4.4	3.63	54
180970078	2012	4	4	14	V	0.06	3.4	4.73	53
180970078	2012	4	4	15	V	0.02	3	6.23	39
180970078	2012	4	4	16	V	0.01	2.7	6.86	43
180970078	2012	4	4	17	V	0.06	3	5	53
180970078	2012	4	4	18	V	0.05	3.2	4.58	70
180970078	2012	4	4	19	V	0.05	2.2	2.93	69
180970078	2012	4	4	20	V	0.05	0.9	5.24	49
180970078	2012	4	4	21	V	0.04	0.9	6.5	55
180970078	2012	4	4	22	V	0.04	1	6.28	63
180970078	2012	4	4	23	V	0.04	1.6	6.79	69
180970078	2012	4	4	24	V	0.03	1.3	6.11	73
180970078	2012	4	5	1	V	0.04	1.9	5.67	80
180970078	2012	4	5	2	V	0.03	1.7	6.36	80
180970078	2012	4	5	3	V	0.03	1.8	6.81	80
180970078	2012	4	5	4	V	0.03	1.1	6.64	76
180970078	2012	4	5	5	V	0.04	1.3	5.5	84
180970078	2012	4	5	6	V	0.08	0.5	3.49	99
180970078	2012	4	5	7	V	0.07	0.3	4.6	95
180970078	2012	4	5	8	V	0.01	0.7	8.49	67
180970078	2012	4	5	9	V	0.01	1.1	9.24	70
180970078	2012	4	5	10	V	0.03	1.3	6.77	73
180970078	2012	4	5	11	V	0.03	0.8	5.96	70
180970078	2012	4	5	12	V	0.03	1.1	5.96	62
180970078	2012	4	5	13	V	0.02	1.7	6.84	58
180970078	2012	4	5	14	V	0.02	0.9	6.52	67
180970078	2012	4	5	15	V	0.02	0.9	6.65	52
180970078	2012	4	5	16	V	0.02	1.5	6.28	53

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	5	17	V	0.05	1.7	6.58	43
180970078	2012	4	5	18	V	0.04	1.1	6.64	46
180970078	2012	4	5	19	V	0.04	1.6	7.18	42
180970078	2012	4	5	20	V	0.04	2.6	6.6	45
180970078	2012	4	5	21	V	0.04	3.3	5.72	52
180970078	2012	4	5	22	V	0.04	2.8	5.44	53
180970078	2012	4	5	23	V	0.03	3.2	5.77	58
180970078	2012	4	5	24	V	0.02	2.8	6.06	55
180970078	2012	4	6	1	V	0.02	2.4	5.89	56
180970078	2012	4	6	2	V	0.03	3.3	5.85	55
180970078	2012	4	6	3	V	0.03	2.6	5	42
180970078	2012	4	6	4	V	0.03	2.5	4.68	45
180970078	2012	4	6	5	V	0.03	2.1	5.53	48
180970078	2012	4	6	6	V	0.05	2.5	4.61	42
180970078	2012	4	6	7	V	0.09	1.3	4.6	37
180970078	2012	4	6	8	V	0.1	2.9	4.88	42
180970078	2012	4	6	9	V	0.08	3.1	4.87	53
180970078	2012	4	6	10	V	0.05	2.6	5.7	55
180970078	2012	4	6	11	V	0.04	2.1	6.24	62
180970078	2012	4	6	12	V	0.05	1.3	5.82	61
180970078	2012	4	6	13	V	0.05	2.1	5.43	59
180970078	2012	4	6	14	V	0.05	1.9	5.39	61
180970078	2012	4	6	15	V	0.04	0.9	5.44	58
180970078	2012	4	6	16	V	0.04	1.3	4.65	74
180970078	2012	4	6	17	V	0.07	0.8	4.08	81
180970078	2012	4	6	18	V	0.04	1.2	4.44	66
180970078	2012	4	6	19	V	0.04	0.9	4.03	67
180970078	2012	4	6	20	V	0.04	0.4	3.57	57
180970078	2012	4	6	21	V	0.05	0.6	2.96	58
180970078	2012	4	6	22	V	0.04	1.4	3.2	69
180970078	2012	4	6	23	V	0.04	0.7	3.49	77
180970078	2012	4	6	24	V	0.04	1.2	3.44	84
180970078	2012	4	7	1	V	0.04	1.6	4.1	94
180970078	2012	4	7	2	V	0.04	0.9	4.17	104
180970078	2012	4	7	3	V	0.04	1.3	4.07	105
180970078	2012	4	7	4	V	0.04	1.2	3.41	109
180970078	2012	4	7	5	V	0.04	0.9	3.05	102
180970078	2012	4	7	6	V	0.4	0.9	2.13	114
180970078	2012	4	7	7	V	1.2	0.6	1.62	103
180970078	2012	4	7	8	V	0.7	1.3	2.45	105
180970078	2012	4	7	9	V	0.2	2.7	3.71	130
180970078	2012	4	7	10	V	0.2	7	3.51	144
180970078	2012	4	7	11	V	0.1	4.3	3.66	148
180970078	2012	4	7	12	V	0.2	5.5	3.12	148
180970078	2012	4	7	13	V	0.1	6.2	3.98	145
180970078	2012	4	7	14	V	0.1	6.1	3.61	163

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	7	15	V	0.2	3.4	2.55	174
180970078	2012	4	7	16	V	5.0	1.1	1.87	231
180970078	2012	4	7	17	V	0.3	7.8	1.74	109
180970078	2012	4	7	18	V	0.06	3.7	2.5	118
180970078	2012	4	7	19	V	0.05	3.2	2.83	148
180970078	2012	4	7	20	V	0.06	2.9	2.52	172
180970078	2012	4	7	21	V	0.1	3.1	1.91	181
180970078	2012	4	7	22	V	23.0	3.7	1.45	206
180970078	2012	4	7	23	V	30.9	3.5	2.27	217
180970078	2012	4	7	24	V	3.0	3.4	2.27	227
180970078	2012	4	8	1	V	0.2	2.6	2.69	235
180970078	2012	4	8	2	V	0.06	3.3	2.27	269
180970078	2012	4	8	3	V	0.05	2.6	3.74	263
180970078	2012	4	8	4	V	0.03	3	5.5	304
180970078	2012	4	8	5	V	0.03	2.3	7.04	316
180970078	2012	4	8	6	V	0.01	1.4	7.3	323
180970078	2012	4	8	7	V	0.03	1	6.19	323
180970078	2012	4	8	8	V	0.04	1.4	5.79	324
180970078	2012	4	8	9	V	0.03	1.4	6.28	332
180970078	2012	4	8	10	V	0.02	1.6	7.72	332
180970078	2012	4	8	11	V	0.02	1	7.76	327
180970078	2012	4	8	12	V	0.02	1.1	6.81	312
180970078	2012	4	8	13	V	0.02	0.2	6.67	322
180970078	2012	4	8	14	V	0.01	1.1	8.23	328
180970078	2012	4	8	15	V	0.01	0.9	8.28	314
180970078	2012	4	8	16	V	0.02	0.8	6.21	322
180970078	2012	4	8	17	V	0.06	1.4	4.42	312
180970078	2012	4	8	18	V	0.03	0.7	5.28	305
180970078	2012	4	8	19	V	0.04	1.1	3.66	291
180970078	2012	4	8	20	V	0.5	0.5	3.42	248
180970078	2012	4	8	21	V	1.1	0.9	3.3	228
180970078	2012	4	8	22	V	0.1	1	3.46	235
180970078	2012	4	8	23	V	0.1	1.5	3.97	236
180970078	2012	4	8	24	V	0.1	1.4	4.09	241
180970078	2012	4	9	1	V	0.4	1.4	4.03	247
180970078	2012	4	9	2	V	0.4	2.3	3.56	247
180970078	2012	4	9	3	V	0.4	1.5	3.4	251
180970078	2012	4	9	4	V	0.4	1.3	3.01	249
180970078	2012	4	9	5	V	0.4	1	3.08	248
180970078	2012	4	9	6	V	0.5	1.8	3.39	237
180970078	2012	4	9	7	V	2.3	2.8	3.58	233
180970078	2012	4	9	8	V	0.1	4.7	4.93	243
180970078	2012	4	9	9	V	0.02	4.6	6.75	268
180970078	2012	4	9	10	V	0.02	2.2	7.62	294
180970078	2012	4	9	11	V	0.02	2.2	8.67	303
180970078	2012	4	9	12	V	0.01	1.9	9.61	301

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	9	13	V	0.01	1.2	10.41	300
180970078	2012	4	9	14	V	0.01	0.9	10.05	287
180970078	2012	4	9	15	V	0.01	0.9	10.14	289
180970078	2012	4	9	16	V	0.01	0.6	9.64	289
180970078	2012	4	9	17	V	0.05	1.4	9.58	287
180970078	2012	4	9	18	V	0.04	0.7	10.41	285
180970078	2012	4	9	19	V	0.03	1.2	9.05	286
180970078	2012	4	9	20	V	0.04	1.2	6.3	284
180970078	2012	4	9	21	V	0.04	0	4.87	294
180970078	2012	4	9	22	V	0.04	1.7	5.14	301
180970078	2012	4	9	23	V	0.04	1.3	4.82	300
180970078	2012	4	9	24	V	0.04	0.6	4.8	305
180970078	2012	4	10	1	V	0.03	1.8	4.12	294
180970078	2012	4	10	2	V	0.03	1.8	4.2	299
180970078	2012	4	10	3	V	0.03	1.3	4.27	291
180970078	2012	4	10	4	V	0.03	1	4.46	308
180970078	2012	4	10	5	V	0.03	0.9	4.61	346
180970078	2012	4	10	6	V	0.1	0.5	3.91	346
180970078	2012	4	10	7	V	0.2	0.9	3.47	329
180970078	2012	4	10	8	V	0.07	1.6	4.85	331
180970078	2012	4	10	9	V	0.03	0.3	7.16	315
180970078	2012	4	10	10	V	0.02	1.7	8.2	306
180970078	2012	4	10	11	V	0.02	1.5	8.71	292
180970078	2012	4	10	12	V	0.01	0.5	9.47	287
180970078	2012	4	10	13	V	0.01	0.5	10.85	291
180970078	2012	4	10	14	V	0.01	-999	11.04	297
180970078	2012	4	10	15	V	0.01	0.9	10.72	298
180970078	2012	4	10	16	V	0.01	0.8	10.41	298
180970078	2012	4	10	17	V	0.01	0.1	10.36	305
180970078	2012	4	10	18	V	0.03	1.1	10.05	317
180970078	2012	4	10	19	V	0.03	2.1	7.96	327
180970078	2012	4	10	20	V	0.04	2.1	5.17	352
180970078	2012	4	10	21	V	0.04	1.5	5.07	19
180970078	2012	4	10	22	V	0.04	1.7	4.94	18
180970078	2012	4	10	23	V	0.04	1.6	3.59	18
180970078	2012	4	10	24	V	0.05	1.5	2.84	5
180970078	2012	4	11	1	V	0.06	1.3	2.3	338
180970078	2012	4	11	2	V	0.06	1.1	2.72	308
180970078	2012	4	11	3	V	0.07	0.7	2.37	292
180970078	2012	4	11	4	V	0.06	0.7	2.84	299
180970078	2012	4	11	5	V	0.06	1.2	2.88	287
180970078	2012	4	11	6	V	0.2	1.5	3.07	289
180970078	2012	4	11	7	V	0.3	1.3	3.46	302
180970078	2012	4	11	8	V	0.09	2.8	4.93	312
180970078	2012	4	11	9	V	0.05	2.2	5.51	318
180970078	2012	4	11	10	V	0.04	1.1	5.43	338

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	11	11	V	0.02	0.2	5.96	352
180970078	2012	4	11	12	V	0.03	1.1	5.79	339
180970078	2012	4	11	13	V	0.03	0.6	5.89	342
180970078	2012	4	11	14	V	0.03	0	5.31	352
180970078	2012	4	11	15	V	0.03	0.3	4.61	336
180970078	2012	4	11	16	V	0.04	0.2	3.97	328
180970078	2012	4	11	17	V	0.1	0.8	3.15	342
180970078	2012	4	11	18	V	0.06	0.9	2.69	330
180970078	2012	4	11	19	V	0.07	0.3	2.57	8
180970078	2012	4	11	20	V	0.1	1.6	2.03	6
180970078	2012	4	11	21	V	0.3	1.2	1.57	310
180970078	2012	4	11	22	V	0.1	1.5	2.08	311
180970078	2012	4	11	23	V	0.05	1.6	2.9	352
180970078	2012	4	11	24	V	0.04	0.7	3.27	16
180970078	2012	4	12	1	V	0.2	1.2	1.67	343
180970078	2012	4	12	2	V	0.5	0.7	1.21	310
180970078	2012	4	12	3	V	0.1	1.7	1.89	290
180970078	2012	4	12	4	V	0.1	0.8	2.15	317
180970078	2012	4	12	5	V	0.8	1	1.04	297
180970078	2012	4	12	6	V	1.5	1.2	1.21	289
180970078	2012	4	12	7	V	2.4	1	1.23	286
180970078	2012	4	12	8	V	3.1	2	1.19	273
180970078	2012	4	12	9	V	10.8	3.9	1.43	233
180970078	2012	4	12	10	V	1.4	5.4	2.06	247
180970078	2012	4	12	11	V	0.2	2.5	3.23	282
180970078	2012	4	12	12	V	0.3	6.3	2.64	259
180970078	2012	4	12	13	V	1.5	4.9	2.27	242
180970078	2012	4	12	14	V	1.4	3.9	2.18	243
180970078	2012	4	12	15	V	3.3	4.3	2.64	198
180970078	2012	4	12	16	V	5.1	2.5	2.74	223
180970078	2012	4	12	17	V	0.05	2	3.25	246
180970078	2012	4	12	18	V	0.09	2.5	2.54	256
180970078	2012	4	12	19	V	0.1	4.2	1.99	273
180970078	2012	4	12	20	V	0.5	2.6	1.16	272
180970078	2012	4	12	21	V	0.1	1.5	2.11	304
180970078	2012	4	12	22	V	0.06	1.4	2.62	334
180970078	2012	4	12	23	V	0.09	1.9	2.1	359
180970078	2012	4	12	24	V	0.2	2.2	1.55	72
180970078	2012	4	13	1	V	0.2	3.1	1.59	108
180970078	2012	4	13	2	V	0.1	1.7	1.96	88
180970078	2012	4	13	3	V	0.8	2.2	0.97	55
180970078	2012	4	13	4	V	1.1	0.9	0.86	85
180970078	2012	4	13	5	V	0.9	1.7	0.92	63
180970078	2012	4	13	6	V	0.4	2.1	2.45	105
180970078	2012	4	13	7	V	0.5	1.8	2.49	88
180970078	2012	4	13	8	V	0.4	1.3	3	108

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	13	9	V	0.1	0.6	4.15	133
180970078	2012	4	13	10	V	0.07	1.9	4.85	154
180970078	2012	4	13	11	V	0.03	2.4	6.23	140
180970078	2012	4	13	12	V	0.02	3	6.36	144
180970078	2012	4	13	13	V	0.04	2.6	4.92	158
180970078	2012	4	13	14	V	0.03	2.3	4.75	160
180970078	2012	4	13	15	V	0.03	1.3	4.82	148
180970078	2012	4	13	16	V	0.02	2.3	4.41	147
180970078	2012	4	13	17	V	0.07	4.6	4.68	144
180970078	2012	4	13	18	V	0.05	1.4	4.56	157
180970078	2012	4	13	19	V	0.05	1.1	3.85	155
180970078	2012	4	13	20	V	0.05	2.1	3.22	174
180970078	2012	4	13	21	V	0.05	2	3.81	180
180970078	2012	4	13	22	V	0.05	-999	3.59	184
180970078	2012	4	13	23	V	0.05	-999	3.22	177
180970078	2012	4	13	24	V	0.05	3.1	3.44	170
180970078	2012	4	14	1	V	0.04	3.6	2.86	174
180970078	2012	4	14	2	V	0.04	4.2	2.62	147
180970078	2012	4	14	3	V	0.05	3	2.45	139
180970078	2012	4	14	4	V	0.04	3.1	3.56	151
180970078	2012	4	14	5	V	0.05	1.9	2.76	143
180970078	2012	4	14	6	V	0.2	2.8	2.62	125
180970078	2012	4	14	7	V	0.08	3.8	4.53	184
180970078	2012	4	14	8	V	0.09	4.6	4.7	183
180970078	2012	4	14	9	V	0.1	1.2	4.25	173
180970078	2012	4	14	10	V	0.3	1.3	3.52	164
180970078	2012	4	14	11	V	0.3	2.9	3.66	147
180970078	2012	4	14	12	V	0.5	1.3	2.91	188
180970078	2012	4	14	13	V	0.07	1.8	4.63	149
180970078	2012	4	14	14	V	0.04	1.6	5.27	164
180970078	2012	4	14	15	V	0.05	1.2	4.78	182
180970078	2012	4	14	16	V	0.04	0.8	4.82	185
180970078	2012	4	14	17	V	0.07	1.6	4.9	179
180970078	2012	4	14	18	V	0.05	1.3	3.86	179
180970078	2012	4	14	19	V	36.2	1.8	3.32	211
180970078	2012	4	14	20	V	0.04	0.9	3.22	121
180970078	2012	4	14	21	V	0.04	1.4	2.42	62
180970078	2012	4	14	22	V	0.03	1.6	3.22	101
180970078	2012	4	14	23	V	0.03	1.9	3.46	124
180970078	2012	4	14	24	V	0.03	1.7	3.9	147
180970078	2012	4	15	1	V	0.03	0.9	3.9	163
180970078	2012	4	15	2	V	0.02	1.1	5.65	172
180970078	2012	4	15	3	V	0.02	1.7	6.57	187
180970078	2012	4	15	4	V	0.02	1.2	8.42	190
180970078	2012	4	15	5	V	0.2	3.8	6.75	197
180970078	2012	4	15	6	V	1.3	2.2	6.82	204

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	15	7	V	1.5	1.4	8.35	206
180970078	2012	4	15	8	V	1.9	3.4	10.46	208
180970078	2012	4	15	9	V	2.6	14.5	11.73	209
180970078	2012	4	15	10	V	3.5	21.5	10.9	212
180970078	2012	4	15	11	V	1.3	14.9	10.8	206
180970078	2012	4	15	12	V	0.01	4.1	10.61	194
180970078	2012	4	15	13	V	0.04	2	11.09	198
180970078	2012	4	15	14	V	0.02	1.4	10.31	197
180970078	2012	4	15	15	V	0.08	2.9	9.34	199
180970078	2012	4	15	16	V	0.04	1.7	9.34	198
180970078	2012	4	15	17	V	0.01	1.9	9.42	193
180970078	2012	4	15	18	V	0.05	1.4	8	192
180970078	2012	4	15	19	V	0.04	1.8	7.08	188
180970078	2012	4	15	20	V	0.05	2.1	6.01	179
180970078	2012	4	15	21	V	0.05	0.8	6.55	173
180970078	2012	4	15	22	V	0.05	0.8	7.33	173
180970078	2012	4	15	23	V	0.04	0.5	8.71	180
180970078	2012	4	15	24	V	0.04	2	9.63	181
180970078	2012	4	16	1	V	0.03	0.9	10.02	181
180970078	2012	4	16	2	V	0.03	0.9	10.97	181
180970078	2012	4	16	3	V	0.6	1	10.61	198
180970078	2012	4	16	4	V	3.8	1.2	9.35	226
180970078	2012	4	16	5	V	6.5	7.5	8.64	205
180970078	2012	4	16	6	V	2.2	5.7	8.73	206
180970078	2012	4	16	7	V	3.4	21.9	10.1	207
180970078	2012	4	16	8	V	8.5	18.7	8.54	216
180970078	2012	4	16	9	V	3.2	15.3	11.56	221
180970078	2012	4	16	10	V	0.9	3.5	11.96	227
180970078	2012	4	16	11	V	0.07	2.3	12.09	234
180970078	2012	4	16	12	V	0.3	1.8	11.87	231
180970078	2012	4	16	13	V	0.02	1.1	11.87	239
180970078	2012	4	16	14	V	0.02	1.6	11.26	237
180970078	2012	4	16	15	V	0.01	1.4	11.05	242
180970078	2012	4	16	16	V	0.01	2.6	10.72	262
180970078	2012	4	16	17	V	0.01	1.7	9.2	261
180970078	2012	4	16	18	V	0.05	1.1	7.6	262
180970078	2012	4	16	19	V	0.09	1.3	6.14	258
180970078	2012	4	16	20	V	0.2	1.6	3.73	254
180970078	2012	4	16	21	V	5.8	1.3	3.32	225
180970078	2012	4	16	22	V	0.3	1.6	2.81	245
180970078	2012	4	16	23	V	0.3	0.9	2.69	245
180970078	2012	4	16	24	V	0.4	0	2.15	245
180970078	2012	4	17	1	V	0.2	1	1.84	243
180970078	2012	4	17	2	V	0.5	1.4	1.23	257
180970078	2012	4	17	3	V	48.2	0.8	1.3	217
180970078	2012	4	17	4	V	0.2	0.7	1.88	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	17	5	V	0.2	1.7	1.64	258
180970078	2012	4	17	6	V	1.7	2.9	1.37	253
180970078	2012	4	17	7	V	25.7	3.8	1.5	202
180970078	2012	4	17	8	V	2.9	4.2	1.08	267
180970078	2012	4	17	9	V	4.7	3.2	0.84	304
180970078	2012	4	17	10	V	1.0	1.6	1.52	294
180970078	2012	4	17	11	V	0.2	1.1	2.83	302
180970078	2012	4	17	12	V	0.1	1.9	2.93	273
180970078	2012	4	17	13	V	0.1	1.6	3.34	261
180970078	2012	4	17	14	V	0.06	1.1	3.88	290
180970078	2012	4	17	15	V	0.1	0.8	2.79	306
180970078	2012	4	17	16	V	0.1	0.9	2.5	266
180970078	2012	4	17	17	V	0.1	0.5	3	305
180970078	2012	4	17	18	V	0.05	1.6	3.83	307
180970078	2012	4	17	19	V	0.05	1.2	4.36	311
180970078	2012	4	17	20	V	0.05	1.3	3.15	327
180970078	2012	4	17	21	V	0.07	1.1	2.35	347
180970078	2012	4	17	22	V	0.2	1.2	1.76	344
180970078	2012	4	17	23	V	0.1	1.3	2.06	321
180970078	2012	4	17	24	V	0.06	1	2.59	335
180970078	2012	4	18	1	V	0.04	0.8	2.78	20
180970078	2012	4	18	2	V	0.04	1	2.81	44
180970078	2012	4	18	3	V	0.03	0.9	3.15	38
180970078	2012	4	18	4	V	0.03	0.7	3.39	28
180970078	2012	4	18	5	V	0.03	0.7	3	24
180970078	2012	4	18	6	V	0.2	0.9	3.54	49
180970078	2012	4	18	7	V	0.9	1.4	2.03	18
180970078	2012	4	18	8	V	5.5	1.9	0.67	11
180970078	2012	4	18	9	V	2.4	2.1	1.23	96
180970078	2012	4	18	10	V	0.5	1.6	2.27	104
180970078	2012	4	18	11	V	1.0	1.3	1.69	89
180970078	2012	4	18	12	V	0.6	1	1.99	153
180970078	2012	4	18	13	V	1.1	0.7	1.86	253
180970078	2012	4	18	14	V	4.9	0.9	1.87	229
180970078	2012	4	18	15	V	5.7	0.9	1.81	226
180970078	2012	4	18	16	V	1.7	0.8	2.13	189
180970078	2012	4	18	17	V	5.8	0.8	2.06	223
180970078	2012	4	18	18	V	25.9	2.1	2.81	218
180970078	2012	4	18	19	V	8.9	20.5	2.57	206
180970078	2012	4	18	20	V	0.05	19.3	2.78	171
180970078	2012	4	18	21	V	0.04	2.9	3.18	160
180970078	2012	4	18	22	V	0.04	2.1	3.54	182
180970078	2012	4	18	23	V	9.5	1.3	2.52	206
180970078	2012	4	18	24	V	0.04	0.8	3.27	196
180970078	2012	4	19	1	V	25.7	1.3	2.38	217
180970078	2012	4	19	2	V	6.5	1	1.42	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	19	3	V	0.1	1.3	1.77	166
180970078	2012	4	19	4	V	30.2	1.3	2.08	215
180970078	2012	4	19	5	V	0.09	1.2	2.25	198
180970078	2012	4	19	6	V	27.7	1.3	2.04	210
180970078	2012	4	19	7	V	24.9	1.1	1.26	221
180970078	2012	4	19	8	V	25.3	9.6	2.1	222
180970078	2012	4	19	9	V	32.8	39	3.44	217
180970078	2012	4	19	10	V	5.5	20.2	3.23	230
180970078	2012	4	19	11	V	1.1	4.6	5.26	232
180970078	2012	4	19	12	V	0.1	1.8	4.36	246
180970078	2012	4	19	13	V	5.9	3.6	4.03	219
180970078	2012	4	19	14	V	4.5	13.9	3.1	213
180970078	2012	4	19	15	V	0.03	1.6	4.7	180
180970078	2012	4	19	16	V	0.2	-999	4.63	193
180970078	2012	4	19	17	V	0.07	-999	5.41	197
180970078	2012	4	19	18	V	9.5	-999	5.21	205
180970078	2012	4	19	19	V	8.5	-999	4.05	205
180970078	2012	4	19	20	V	0.05	-999	3.6	153
180970078	2012	4	19	21	V	0.05	2	4.31	148
180970078	2012	4	19	22	V	0.04	2.3	4.26	157
180970078	2012	4	19	23	V	0.05	2.8	3.61	164
180970078	2012	4	19	24	V	0.04	3	4.19	156
180970078	2012	4	20	1	V	0.04	2.5	4.32	155
180970078	2012	4	20	2	V	0.03	2.5	5.33	167
180970078	2012	4	20	3	V	0.03	2.4	4.87	168
180970078	2012	4	20	4	V	0.03	1.7	5	162
180970078	2012	4	20	5	V	0.04	2.4	3.88	167
180970078	2012	4	20	6	V	0.06	2.7	4.76	169
180970078	2012	4	20	7	V	0.1	2.8	4.63	171
180970078	2012	4	20	8	V	0.4	4.9	5.68	198
180970078	2012	4	20	9	V	5.2	14.7	6.47	205
180970078	2012	4	20	10	V	10.4	17.9	7.43	216
180970078	2012	4	20	11	V	7.6	6.3	7.65	218
180970078	2012	4	20	12	V	0.04	3.4	8.28	237
180970078	2012	4	20	13	V	0.09	3.1	7.6	234
180970078	2012	4	20	14	V	0.01	2.7	7.45	268
180970078	2012	4	20	15	V	0.01	3.5	7.38	293
180970078	2012	4	20	16	V	0.01	1.4	8.25	314
180970078	2012	4	20	17	V	0.04	1.2	7.28	315
180970078	2012	4	20	18	V	0.04	1.2	6.07	314
180970078	2012	4	20	19	V	0.04	1.5	6.45	327
180970078	2012	4	20	20	V	0.04	1.1	6.4	327
180970078	2012	4	20	21	V	0.04	1.3	6.74	332
180970078	2012	4	20	22	V	0.04	-999	6.58	329
180970078	2012	4	20	23	V	0.04	-999	6.07	330
180970078	2012	4	20	24	V	0.05	1.1	5.38	331

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	21	1	V	0.05	1.4	4.92	333
180970078	2012	4	21	2	V	0.04	0.8	4.61	332
180970078	2012	4	21	3	V	0.04	1.9	4.58	332
180970078	2012	4	21	4	V	0.04	1.6	5.22	347
180970078	2012	4	21	5	V	0.03	1.2	6.07	6
180970078	2012	4	21	6	V	0.02	1.4	5.27	1
180970078	2012	4	21	7	V	0.03	1.1	5.6	9
180970078	2012	4	21	8	V	0.04	0.4	5.48	8
180970078	2012	4	21	9	V	0.06	0.7	5.14	358
180970078	2012	4	21	10	V	0.03	1.6	5.5	360
180970078	2012	4	21	11	V	0.06	0.3	4.82	4
180970078	2012	4	21	12	V	0.06	1.3	4.78	9
180970078	2012	4	21	13	V	0.08	1.4	4.03	359
180970078	2012	4	21	14	V	0.1	1.7	3.47	1
180970078	2012	4	21	15	V	0.09	0.8	3.9	11
180970078	2012	4	21	16	V	0.06	1.3	3.64	30
180970078	2012	4	21	17	V	0.08	0.8	3.3	43
180970078	2012	4	21	18	V	0.06	1.7	2.47	59
180970078	2012	4	21	19	V	0.05	1.9	2.79	76
180970078	2012	4	21	20	V	0.06	0.6	2.73	121
180970078	2012	4	21	21	V	0.05	0.5	2.79	126
180970078	2012	4	21	22	V	0.05	2.1	2.64	143
180970078	2012	4	21	23	V	0.05	0.9	2.45	151
180970078	2012	4	21	24	V	0.1	2.2	1.96	147
180970078	2012	4	22	1	V	0.2	2.5	1.55	303
180970078	2012	4	22	2	V	0.9	2	0.87	27
180970078	2012	4	22	3	V	0.5	1.3	0.97	77
180970078	2012	4	22	4	C	-999	1.7	0	0
180970078	2012	4	22	5	V	0.4	2.1	1.13	112
180970078	2012	4	22	6	V	0.3	1	2.72	97
180970078	2012	4	22	7	V	0.4	2	2.69	85
180970078	2012	4	22	8	V	0.1	1.7	4	79
180970078	2012	4	22	9	V	0.2	2.8	3.78	63
180970078	2012	4	22	10	V	0.3	2.2	2.69	23
180970078	2012	4	22	11	V	0.1	2.9	3.78	24
180970078	2012	4	22	12	V	0.04	2	5.16	17
180970078	2012	4	22	13	V	0.02	2	5.9	7
180970078	2012	4	22	14	V	0.02	0.7	5.9	15
180970078	2012	4	22	15	V	0.02	2	7.11	9
180970078	2012	4	22	16	V	0.01	0.2	7.04	12
180970078	2012	4	22	17	V	0.01	1.9	5.92	26
180970078	2012	4	22	18	V	0.04	1.7	6.53	23
180970078	2012	4	22	19	V	0.04	2	6.94	17
180970078	2012	4	22	20	V	0.05	1.5	5.53	19
180970078	2012	4	22	21	V	0.05	0.9	6.26	355
180970078	2012	4	22	22	V	0.04	1.3	7.04	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	22	23	V	0.04	1.4	7.01	344
180970078	2012	4	22	24	V	0.03	1.3	6.18	338
180970078	2012	4	23	1	V	0.03	1.6	5.68	331
180970078	2012	4	23	2	V	0.03	0.4	5.72	339
180970078	2012	4	23	3	V	0.02	1.1	5.7	341
180970078	2012	4	23	4	V	0.03	1.8	5.44	333
180970078	2012	4	23	5	V	0.04	1.4	5.29	327
180970078	2012	4	23	6	V	0.04	1.4	5.53	322
180970078	2012	4	23	7	V	0.03	0.9	6.7	326
180970078	2012	4	23	8	V	0.02	2.1	7.69	327
180970078	2012	4	23	9	V	0.02	2.1	8.2	326
180970078	2012	4	23	10	V	0.01	1.6	9.29	331
180970078	2012	4	23	11	V	0.01	0.6	10.63	337
180970078	2012	4	23	12	V	0.01	1.3	11.33	334
180970078	2012	4	23	13	V	0.01	1.2	11.29	329
180970078	2012	4	23	14	V	0.01	1.1	10.97	325
180970078	2012	4	23	15	V	0.01	1.5	12.24	324
180970078	2012	4	23	16	V	0.01	2.9	12.52	325
180970078	2012	4	23	17	V	0.01	1.5	11.96	333
180970078	2012	4	23	18	V	0.04	2.8	10.61	344
180970078	2012	4	23	19	V	0.04	1.7	8.96	345
180970078	2012	4	23	20	V	0.04	1	7.21	349
180970078	2012	4	23	21	V	0.04	0.3	4.86	338
180970078	2012	4	23	22	V	0.04	1.2	3.43	323
180970078	2012	4	23	23	V	0.07	2.8	2.32	289
180970078	2012	4	23	24	V	0.03	1.9	3.29	265
180970078	2012	4	24	1	V	0.3	1	4.07	252
180970078	2012	4	24	2	V	0.2	1.3	4.24	253
180970078	2012	4	24	3	V	0.08	1.6	4.36	257
180970078	2012	4	24	4	V	0.03	1.4	2.86	1
180970078	2012	4	24	5	V	0.05	2.5	2.21	331
180970078	2012	4	24	6	V	0.2	2.5	2.95	257
180970078	2012	4	24	7	V	0.4	2.5	3.2	254
180970078	2012	4	24	8	V	0.3	2.4	3.56	269
180970078	2012	4	24	9	V	0.1	2.2	3.9	286
180970078	2012	4	24	10	V	0.06	3.2	4.66	314
180970078	2012	4	24	11	V	0.03	2	5.97	315
180970078	2012	4	24	12	V	0.03	1.2	5.65	301
180970078	2012	4	24	13	V	0.03	1.4	5.82	295
180970078	2012	4	24	14	V	0.03	1.2	5.43	289
180970078	2012	4	24	15	V	0.03	2.1	4.61	292
180970078	2012	4	24	16	V	0.01	1	6.31	268
180970078	2012	4	24	17	V	0.07	1.8	6.04	266
180970078	2012	4	24	18	V	0.2	1.4	5.62	252
180970078	2012	4	24	19	V	0.3	1.4	4.17	248
180970078	2012	4	24	20	V	17.9	3.2	3.34	220

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	24	21	V	28.5	5.2	3.08	209
180970078	2012	4	24	22	V	0.06	19	2.35	185
180970078	2012	4	24	23	V	0.05	25	2.4	170
180970078	2012	4	24	24	V	0.05	4.9	2.23	139
180970078	2012	4	25	1	V	0.04	2.3	2.89	124
180970078	2012	4	25	2	V	0.04	1.4	3.3	138
180970078	2012	4	25	3	V	0.04	1.3	2.93	116
180970078	2012	4	25	4	V	0.03	1.4	3.29	117
180970078	2012	4	25	5	V	0.04	2	3.2	113
180970078	2012	4	25	6	V	0.2	1.6	3.23	113
180970078	2012	4	25	7	V	0.3	2	3.32	124
180970078	2012	4	25	8	V	0.1	4.4	4.71	125
180970078	2012	4	25	9	V	0.07	3.3	5.51	134
180970078	2012	4	25	10	V	0.2	4.4	4.31	134
180970078	2012	4	25	11	V	0.1	3.8	4.6	126
180970078	2012	4	25	12	V	0.06	4.4	5.72	120
180970078	2012	4	25	13	V	0.04	3.3	5.82	136
180970078	2012	4	25	14	V	0.03	2.3	6.47	135
180970078	2012	4	25	15	V	0.03	2.1	6.11	149
180970078	2012	4	25	16	V	0.04	3.9	4.8	144
180970078	2012	4	25	17	V	0.02	7.3	4.44	98
180970078	2012	4	25	18	V	0.05	6.6	5.43	121
180970078	2012	4	25	19	V	0.06	3	4.39	100
180970078	2012	4	25	20	V	0.06	2.1	4.68	78
180970078	2012	4	25	21	V	0.05	2	5.97	102
180970078	2012	4	25	22	V	0.04	2	6.02	131
180970078	2012	4	25	23	V	0.04	2	5	142
180970078	2012	4	25	24	V	0.05	2	4.22	153
180970078	2012	4	26	1	V	0.05	1.7	2.91	148
180970078	2012	4	26	2	V	0.05	1.1	2.98	153
180970078	2012	4	26	3	V	0.04	2.2	3.03	164
180970078	2012	4	26	4	V	0.4	1.6	2.84	201
180970078	2012	4	26	5	V	0.1	1.8	2.57	238
180970078	2012	4	26	6	V	0.3	1.7	3.88	248
180970078	2012	4	26	7	V	0.2	2.1	4	261
180970078	2012	4	26	8	V	0.05	2.7	5.82	307
180970078	2012	4	26	9	V	0.01	2.6	8.98	330
180970078	2012	4	26	10	V	0.02	2.9	7.84	342
180970078	2012	4	26	11	V	0.02	1.9	7.03	341
180970078	2012	4	26	12	V	0.05	2.8	5.87	335
180970078	2012	4	26	13	V	0.04	2.4	6.48	323
180970078	2012	4	26	14	V	0.02	2	8.5	329
180970078	2012	4	26	15	V	0.01	1.8	9.17	331
180970078	2012	4	26	16	V	0.01	1.9	10.09	332
180970078	2012	4	26	17	V	0.01	1.7	9.97	343
180970078	2012	4	26	18	V	0.04	0.8	9.73	348

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	26	19	V	0.04	1.3	9.59	351
180970078	2012	4	26	20	V	0.04	0.7	7.93	347
180970078	2012	4	26	21	V	0.04	1.1	6.94	343
180970078	2012	4	26	22	V	0.04	1.4	7.31	354
180970078	2012	4	26	23	V	0.03	1	5.43	356
180970078	2012	4	26	24	V	0.03	1.1	5.77	14
180970078	2012	4	27	1	V	0.03	1.6	5	20
180970078	2012	4	27	2	V	0.03	2	4.37	7
180970078	2012	4	27	3	V	0.04	0.1	2.98	348
180970078	2012	4	27	4	V	0.03	1	3.57	359
180970078	2012	4	27	5	V	0.04	1.3	4.41	26
180970078	2012	4	27	6	V	0.04	0.6	5.26	28
180970078	2012	4	27	7	V	0.05	1	5.38	30
180970078	2012	4	27	8	V	0.04	1.2	5.36	48
180970078	2012	4	27	9	V	0.09	1.2	4.97	54
180970078	2012	4	27	10	V	0.08	1	4.77	59
180970078	2012	4	27	11	V	0.05	1.5	4.9	62
180970078	2012	4	27	12	V	0.05	0.7	5.02	64
180970078	2012	4	27	13	V	0.1	1.5	4.07	79
180970078	2012	4	27	14	V	0.07	1	4.46	77
180970078	2012	4	27	15	V	0.05	0.5	4.9	68
180970078	2012	4	27	16	V	0.04	1.6	4.65	76
180970078	2012	4	27	17	V	0.08	0.7	4.24	90
180970078	2012	4	27	18	V	0.05	1.7	4.05	97
180970078	2012	4	27	19	V	0.05	0.6	4.8	87
180970078	2012	4	27	20	V	0.04	1.9	5.31	82
180970078	2012	4	27	21	V	0.04	0.7	5.96	90
180970078	2012	4	27	22	V	0.04	-999	5.55	97
180970078	2012	4	27	23	V	0.03	-999	5.84	94
180970078	2012	4	27	24	V	0.04	1.2	5.56	94
180970078	2012	4	28	1	V	0.04	1	5.82	93
180970078	2012	4	28	2	V	0.04	1.3	6.69	90
180970078	2012	4	28	3	V	0.03	1.3	7.14	101
180970078	2012	4	28	4	V	0.03	1.4	5.41	96
180970078	2012	4	28	5	V	0.03	1.3	7.14	89
180970078	2012	4	28	6	V	0.01	1.4	8.67	92
180970078	2012	4	28	7	V	0.01	1.7	8.39	99
180970078	2012	4	28	8	V	0.02	1.5	6.74	116
180970078	2012	4	28	9	V	0.03	1.6	5.7	113
180970078	2012	4	28	10	V	0.04	1.3	5.24	55
180970078	2012	4	28	11	V	0.01	1.3	6.43	68
180970078	2012	4	28	12	V	0.01	1.5	7.01	82
180970078	2012	4	28	13	V	0.01	1.8	6.94	91
180970078	2012	4	28	14	V	0.01	2.2	7.08	92
180970078	2012	4	28	15	V	0.02	2.3	5.85	84
180970078	2012	4	28	16	V	0.02	2.1	5.55	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	28	17	V	0.06	1.8	5.46	64
180970078	2012	4	28	18	V	0.05	1.6	5.41	77
180970078	2012	4	28	19	V	0.05	1.5	5.43	72
180970078	2012	4	28	20	V	0.05	1.5	5.82	57
180970078	2012	4	28	21	V	0.06	1.3	4.37	62
180970078	2012	4	28	22	V	0.05	1.4	4.37	79
180970078	2012	4	28	23	V	0.05	1.4	4.56	88
180970078	2012	4	28	24	V	0.05	1.4	4.39	81
180970078	2012	4	29	1	V	0.04	1.4	5.24	69
180970078	2012	4	29	2	V	0.03	1.5	5.38	60
180970078	2012	4	29	3	V	0.03	1.3	5.99	70
180970078	2012	4	29	4	V	0.03	1.2	5.63	70
180970078	2012	4	29	5	V	0.04	1.2	4.39	72
180970078	2012	4	29	6	V	0.06	1.3	4.12	82
180970078	2012	4	29	7	V	0.08	1.2	4.19	73
180970078	2012	4	29	8	V	0.05	1.3	5	80
180970078	2012	4	29	9	V	0.05	1.4	4.56	89
180970078	2012	4	29	10	V	0.05	1.6	5.16	89
180970078	2012	4	29	11	V	0.05	1.7	5.07	83
180970078	2012	4	29	12	V	0.05	2.1	5	91
180970078	2012	4	29	13	V	0.03	2.5	5.77	87
180970078	2012	4	29	14	V	0.03	2.3	5.72	79
180970078	2012	4	29	15	V	0.02	2.3	6.26	102
180970078	2012	4	29	16	V	0.03	2.5	5.41	97
180970078	2012	4	29	17	V	0.02	2.4	5.02	93
180970078	2012	4	29	18	V	0.05	2.3	5.46	101
180970078	2012	4	29	19	V	0.05	2.5	5.12	97
180970078	2012	4	29	20	V	0.06	2.1	3.76	87
180970078	2012	4	29	21	V	0.05	2.1	4	99
180970078	2012	4	29	22	V	0.05	2.9	3.85	103
180970078	2012	4	29	23	V	0.05	3	4.19	105
180970078	2012	4	29	24	V	0.05	2.7	4.53	108
180970078	2012	4	30	1	V	0.05	3.7	3.35	114
180970078	2012	4	30	2	V	0.05	5.3	3.17	124
180970078	2012	4	30	3	V	0.04	6.7	2.71	120
180970078	2012	4	30	4	V	0.04	9.1	2.62	132
180970078	2012	4	30	5	V	0.07	6.2	3.35	144
180970078	2012	4	30	6	V	0.2	4	3.37	156
180970078	2012	4	30	7	V	0.3	3.6	3.22	168
180970078	2012	4	30	8	V	0.9	3.9	2.04	178
180970078	2012	4	30	9	V	1.4	11.2	2.06	181
180970078	2012	4	30	10	V	1.1	23.2	3.32	192
180970078	2012	4	30	11	V	0.2	30.4	3.83	191
180970078	2012	4	30	12	V	0.4	16.1	4.09	194
180970078	2012	4	30	13	V	6.7	-999	5.68	208
180970078	2012	4	30	14	V	1.1	-999	8.91	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	4	30	15	V	4.7	-999	8.08	219
180970078	2012	4	30	16	V	0.3	-999	8.59	201
180970078	2012	4	30	17	V	0.01	-999	7.26	281
180970078	2012	4	30	18	V	0.03	1.7	2.9	298
180970078	2012	4	30	19	V	0.07	1.3	1.65	290
180970078	2012	4	30	20	V	0.2	1.4	1.43	255
180970078	2012	4	30	21	V	25.3	1.3	1.94	217
180970078	2012	4	30	22	V	11.8	1.4	3.3	208
180970078	2012	4	30	23	V	0.2	1.4	3.39	242
180970078	2012	4	30	24	V	0.4	1.3	3.4	247
180970078	2012	5	1	1	V	0.04	1.3	3.34	275
180970078	2012	5	1	2	V	0.04	1.2	2.91	285
180970078	2012	5	1	3	V	0.1	1.3	1.55	275
180970078	2012	5	1	4	V	0.08	1.2	2.15	283
180970078	2012	5	1	5	V	0.2	1.2	1.59	269
180970078	2012	5	1	6	V	1.7	1.3	1.2	258
180970078	2012	5	1	7	V	1.9	1.7	1.86	187
180970078	2012	5	1	8	V	1.5	1.8	1.57	129
180970078	2012	5	1	9	V	0.8	4.1	2.42	112
180970078	2012	5	1	10	V	0.2	6.1	3.78	139
180970078	2012	5	1	11	V	0.08	3.2	4.65	135
180970078	2012	5	1	12	V	0.2	2	2.83	145
180970078	2012	5	1	13	V	0.1	1.4	3.85	69
180970078	2012	5	1	14	V	0.08	1.5	4.2	114
180970078	2012	5	1	15	V	0.06	1.5	4.19	101
180970078	2012	5	1	16	V	0.05	1.4	4.19	35
180970078	2012	5	1	17	V	0.02	1.5	4.42	62
180970078	2012	5	1	18	V	0.05	1.7	4.26	104
180970078	2012	5	1	19	V	0.05	1.5	3.61	90
180970078	2012	5	1	20	V	0.05	1.4	3.37	119
180970078	2012	5	1	21	V	0.05	1.3	3.27	96
180970078	2012	5	1	22	V	0.05	1.3	2.54	135
180970078	2012	5	1	23	V	0.04	1.3	4.78	181
180970078	2012	5	1	24	V	0.04	1.3	4.27	177
180970078	2012	5	2	1	V	0.03	1.3	3.47	171
180970078	2012	5	2	2	V	0.03	1.3	3.24	176
180970078	2012	5	2	3	V	0.03	1.3	2.88	172
180970078	2012	5	2	4	V	0.03	1.3	3.81	182
180970078	2012	5	2	5	V	0.05	1.3	2.98	174
180970078	2012	5	2	6	V	2.5	1.4	3.39	195
180970078	2012	5	2	7	V	10.9	1.5	4.48	204
180970078	2012	5	2	8	V	15.6	6.9	4.9	215
180970078	2012	5	2	9	V	3.0	15.7	7.3	223
180970078	2012	5	2	10	V	0.5	6.4	9.13	231
180970078	2012	5	2	11	V	0.03	3.5	10.05	241
180970078	2012	5	2	12	V	0.05	-999	9.59	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	2	13	V	0.03	-999	9.75	242
180970078	2012	5	2	14	V	0.04	-999	10.56	239
180970078	2012	5	2	15	V	0.03	-999	7.96	244
180970078	2012	5	2	16	V	0.2	-999	7.78	235
180970078	2012	5	2	17	V	2.4	-999	7.43	224
180970078	2012	5	2	18	V	25.8	-999	7.31	212
180970078	2012	5	2	19	V	17.7	-999	5.87	208
180970078	2012	5	2	20	V	0.06	-999	4.24	197
180970078	2012	5	2	21	V	0.04	-999	3.59	176
180970078	2012	5	2	22	V	0.04	-999	3.4	161
180970078	2012	5	2	23	V	0.05	-999	4.56	167
180970078	2012	5	2	24	V	0.05	-999	4.32	178
180970078	2012	5	3	1	V	0.04	-999	3.13	177
180970078	2012	5	3	2	V	0.05	-999	2.5	159
180970078	2012	5	3	3	V	0.06	-999	2.08	139
180970078	2012	5	3	4	V	0.03	-999	3.35	170
180970078	2012	5	3	5	V	0.07	-999	2.56	163
180970078	2012	5	3	6	V	0.5	-999	2.73	176
180970078	2012	5	3	7	V	0.6	-999	2.4	163
180970078	2012	5	3	8	V	0.3	-999	3.34	176
180970078	2012	5	3	9	V	7.6	-999	5.17	208
180970078	2012	5	3	10	V	4.8	15.9	6.23	219
180970078	2012	5	3	11	V	4.0	17.8	5.85	209
180970078	2012	5	3	12	V	4.1	22.3	7.3	211
180970078	2012	5	3	13	V	3.3	12	7.81	220
180970078	2012	5	3	14	V	4.3	10	7.88	213
180970078	2012	5	3	15	V	4.5	13.3	8.18	212
180970078	2012	5	3	16	V	2.9	10.3	8.22	222
180970078	2012	5	3	17	V	2.3	9.2	7.98	205
180970078	2012	5	3	18	V	2.1	3.6	7.81	201
180970078	2012	5	3	19	V	0.03	4.1	9.2	188
180970078	2012	5	3	20	V	0.3	2.9	7.91	197
180970078	2012	5	3	21	V	0.2	2.3	5.96	197
180970078	2012	5	3	22	V	0.04	3.2	3.64	195
180970078	2012	5	3	23	V	14.2	2.4	3.68	208
180970078	2012	5	3	24	V	0.1	2.9	3.91	200
180970078	2012	5	4	1	V	6.5	2	3.4	207
180970078	2012	5	4	2	V	0.03	1.8	3.2	194
180970078	2012	5	4	3	V	1.1	3.7	3.18	203
180970078	2012	5	4	4	V	24.5	14.2	3.92	213
180970078	2012	5	4	5	V	15.9	31.7	3.68	210
180970078	2012	5	4	6	V	22.0	29.9	3.39	220
180970078	2012	5	4	7	V	10.6	12.5	4.2	224
180970078	2012	5	4	8	V	13.3	23.4	4.9	206
180970078	2012	5	4	9	V	21.0	15.8	5.17	212
180970078	2012	5	4	10	V	10.3	13.3	4.75	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	4	11	V	1.2	9.1	6.07	229
180970078	2012	5	4	12	V	0.06	7.1	5.68	191
180970078	2012	5	4	13	V	0.3	7.8	3.03	167
180970078	2012	5	4	14	V	0.06	5.4	5.48	256
180970078	2012	5	4	15	V	0.07	3.7	5.46	247
180970078	2012	5	4	16	V	2.3	3.1	4.34	199
180970078	2012	5	4	17	V	1.8	6.8	4.22	202
180970078	2012	5	4	18	V	25.7	17.3	3.32	218
180970078	2012	5	4	19	V	36.6	10	4.39	211
180970078	2012	5	4	20	V	0.3	9.3	4.27	244
180970078	2012	5	4	21	V	0.05	3.8	2.69	264
180970078	2012	5	4	22	V	0.05	-999	3.13	345
180970078	2012	5	4	23	V	0.06	-999	2.71	17
180970078	2012	5	4	24	V	0.2	2.3	1.31	35
180970078	2012	5	5	1	V	0.05	2	2.62	76
180970078	2012	5	5	2	V	0.1	1.8	1.76	188
180970078	2012	5	5	3	V	0.3	1.8	1.42	327
180970078	2012	5	5	4	V	0.2	1.7	1.64	311
180970078	2012	5	5	5	V	0.07	1.6	2.55	339
180970078	2012	5	5	6	V	0.6	1.6	2.35	12
180970078	2012	5	5	7	V	0.2	1.6	3.64	31
180970078	2012	5	5	8	V	0.4	1.6	3.15	50
180970078	2012	5	5	9	V	0.3	1.6	3.46	38
180970078	2012	5	5	10	V	0.6	1.6	2.45	30
180970078	2012	5	5	11	V	1.2	1.6	1.76	29
180970078	2012	5	5	12	V	0.6	1.5	1.93	19
180970078	2012	5	5	13	V	0.8	1.6	1.99	26
180970078	2012	5	5	14	V	0.1	1.6	3.2	47
180970078	2012	5	5	15	V	0.05	1.6	4.32	32
180970078	2012	5	5	16	V	0.04	1.6	4.83	29
180970078	2012	5	5	17	V	0.03	1.5	4.78	43
180970078	2012	5	5	18	V	0.04	1.5	5.17	51
180970078	2012	5	5	19	V	0.04	1.5	5.17	54
180970078	2012	5	5	20	V	0.04	1.4	5.19	72
180970078	2012	5	5	21	V	0.04	1.4	3.93	86
180970078	2012	5	5	22	V	0.04	1.4	3.37	89
180970078	2012	5	5	23	V	0.04	1.4	3.29	91
180970078	2012	5	5	24	V	0.04	1.4	3.88	88
180970078	2012	5	6	1	V	0.03	1.4	4.41	76
180970078	2012	5	6	2	V	0.03	1.4	4.07	83
180970078	2012	5	6	3	V	0.03	1.5	3.68	88
180970078	2012	5	6	4	V	0.03	1.5	3.2	94
180970078	2012	5	6	5	V	0.05	1.4	3.18	100
180970078	2012	5	6	6	V	0.6	1.3	2.1	94
180970078	2012	5	6	7	V	0.4	1.3	3.1	82
180970078	2012	5	6	8	V	0.1	1.5	3.74	79

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	6	9	V	0.1	3	4.02	101
180970078	2012	5	6	10	V	0.1	6.5	4.36	114
180970078	2012	5	6	11	V	0.1	6.9	4.36	118
180970078	2012	5	6	12	V	0.08	6.1	4.36	166
180970078	2012	5	6	13	V	0.2	4.9	2.86	137
180970078	2012	5	6	14	M	-999	3.8	2.36	999
180970078	2012	5	6	15	V	0.03	2.8	4.36	119
180970078	2012	5	6	16	V	0.05	2.5	3.86	136
180970078	2012	5	6	17	V	0.05	2.3	2.86	128
180970078	2012	5	6	18	V	0.06	2.2	4.36	179
180970078	2012	5	6	19	V	0.05	2.2	3.86	136
180970078	2012	5	6	20	V	0.06	2.2	2.36	129
180970078	2012	5	6	21	V	0.05	2.2	3.83	22
180970078	2012	5	6	22	V	0.05	2.1	2.55	55
180970078	2012	5	6	23	V	11.1	2.3	1.01	202
180970078	2012	5	6	24	V	0.05	2.8	2.45	163
180970078	2012	5	7	1	V	0.06	3.3	2.47	134
180970078	2012	5	7	2	V	0.04	3.5	3.01	142
180970078	2012	5	7	3	V	0.1	3.1	1.91	132
180970078	2012	5	7	4	V	0.04	2.7	2.73	136
180970078	2012	5	7	5	V	0.08	2.4	3.92	159
180970078	2012	5	7	6	V	0.3	2.2	3.57	188
180970078	2012	5	7	7	V	0.07	4.4	4.65	349
180970078	2012	5	7	8	V	0.1	3.5	4.07	13
180970078	2012	5	7	9	V	0.05	2.6	5.09	50
180970078	2012	5	7	10	V	0.07	2.3	4.37	50
180970078	2012	5	7	11	V	0.5	2.4	1.77	37
180970078	2012	5	7	12	V	0.1	2.4	3.63	115
180970078	2012	5	7	13	V	0.09	2.7	4.2	165
180970078	2012	5	7	14	V	4.6	5.2	4.36	220
180970078	2012	5	7	15	V	0.04	5	5.34	255
180970078	2012	5	7	16	V	0.02	3.3	5.75	279
180970078	2012	5	7	17	V	0.01	2.6	7.65	304
180970078	2012	5	7	18	V	0.04	2	4.88	308
180970078	2012	5	7	19	V	0.05	1.7	2.59	350
180970078	2012	5	7	20	V	0.05	1.6	4.1	350
180970078	2012	5	7	21	V	0.06	1.6	4.02	339
180970078	2012	5	7	22	V	0.05	1.5	3.37	342
180970078	2012	5	7	23	V	0.05	1.5	4.02	334
180970078	2012	5	7	24	V	0.05	1.5	4.85	331
180970078	2012	5	8	1	V	0.04	1.5	6.11	337
180970078	2012	5	8	2	V	0.05	1.4	5.17	338
180970078	2012	5	8	3	V	0.03	1.4	3.81	333
180970078	2012	5	8	4	V	0.02	1.5	3.1	317
180970078	2012	5	8	5	V	0.04	1.4	3.44	305
180970078	2012	5	8	6	V	0.09	1.5	3.73	320

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	8	7	V	0.2	1.5	3.29	312
180970078	2012	5	8	8	V	0.1	1.6	3.23	327
180970078	2012	5	8	9	V	0.1	2.2	3.07	313
180970078	2012	5	8	10	V	0.2	2.3	2.84	298
180970078	2012	5	8	11	V	0.1	2.2	3.18	263
180970078	2012	5	8	12	V	0.04	2	4.94	269
180970078	2012	5	8	13	V	0.03	1.7	6.06	280
180970078	2012	5	8	14	V	0.02	1.6	6.31	291
180970078	2012	5	8	15	V	0.02	1.6	7.01	286
180970078	2012	5	8	16	V	0.02	1.7	6.38	290
180970078	2012	5	8	17	V	0.01	1.5	5.84	276
180970078	2012	5	8	18	V	0.04	1.5	5.19	288
180970078	2012	5	8	19	V	0.04	1.4	5.36	314
180970078	2012	5	8	20	V	0.04	1.4	4.05	325
180970078	2012	5	8	21	V	0.06	1.4	2.18	338
180970078	2012	5	8	22	V	0.4	1.6	1.13	310
180970078	2012	5	8	23	V	0.2	1.7	1.47	269
180970078	2012	5	8	24	V	0.5	1.8	1.96	251
180970078	2012	5	9	1	V	0.07	1.9	2.18	240
180970078	2012	5	9	2	V	0.2	2.6	2.98	243
180970078	2012	5	9	3	V	0.4	2.8	2.81	251
180970078	2012	5	9	4	V	0.4	2.3	2.78	246
180970078	2012	5	9	5	V	0.4	1.8	2.79	243
180970078	2012	5	9	6	V	0.4	1.8	2.95	249
180970078	2012	5	9	7	V	0.4	2.1	2.59	252
180970078	2012	5	9	8	V	0.1	1.9	3.63	284
180970078	2012	5	9	9	V	0.1	1.7	4.02	307
180970078	2012	5	9	10	V	0.06	1.5	4.95	300
180970078	2012	5	9	11	V	0.03	1.6	6.04	288
180970078	2012	5	9	12	V	0.02	1.5	7.69	287
180970078	2012	5	9	13	V	0.02	1.4	6.55	294
180970078	2012	5	9	14	V	0.02	1.4	5.92	305
180970078	2012	5	9	15	V	0.02	1.4	6.41	305
180970078	2012	5	9	16	V	0.02	1.4	6.36	318
180970078	2012	5	9	17	V	0.01	1.4	5.92	327
180970078	2012	5	9	18	V	0.04	1.5	6.11	348
180970078	2012	5	9	19	V	0.04	1.5	3.83	326
180970078	2012	5	9	20	V	0.05	1.5	2.76	307
180970078	2012	5	9	21	V	0.05	1.5	2.74	311
180970078	2012	5	9	22	V	0.04	1.6	3.63	339
180970078	2012	5	9	23	V	0.03	1.6	3.92	349
180970078	2012	5	9	24	V	0.04	1.5	2.79	329
180970078	2012	5	10	1	V	0.04	1.4	2.81	309
180970078	2012	5	10	2	V	0.05	1.3	2.59	299
180970078	2012	5	10	3	V	0.03	1.3	3.15	304
180970078	2012	5	10	4	V	0.03	1.3	3.74	312

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	10	5	V	0.07	1.3	2.95	325
180970078	2012	5	10	6	V	0.4	1.3	2.44	308
180970078	2012	5	10	7	V	0.5	2	2.35	315
180970078	2012	5	10	8	V	0.3	3	2.5	322
180970078	2012	5	10	9	V	0.6	2.8	1.96	329
180970078	2012	5	10	10	V	0.2	2.4	2.76	317
180970078	2012	5	10	11	V	0.06	2.3	4.76	317
180970078	2012	5	10	12	V	0.03	2.4	5.94	320
180970078	2012	5	10	13	V	0.03	2.2	5.58	319
180970078	2012	5	10	14	V	0.01	1.9	6.16	327
180970078	2012	5	10	15	V	0.01	1.8	5.9	322
180970078	2012	5	10	16	V	0.02	1.7	5.44	319
180970078	2012	5	10	17	V	0.01	1.7	5.77	324
180970078	2012	5	10	18	V	0.03	1.7	5.34	327
180970078	2012	5	10	19	V	0.03	2.7	4.48	335
180970078	2012	5	10	20	V	0.04	3	3.12	335
180970078	2012	5	10	21	V	0.06	2.5	2.35	336
180970078	2012	5	10	22	V	0.04	2	2.98	351
180970078	2012	5	10	23	V	0.04	1.8	3.18	7
180970078	2012	5	10	24	V	0.08	1.7	2.11	23
180970078	2012	5	11	1	V	0.3	1.5	1.31	4
180970078	2012	5	11	2	V	1.2	1.5	0.74	304
180970078	2012	5	11	3	V	0.4	1.4	1.11	339
180970078	2012	5	11	4	V	0.2	1.4	1.38	12
180970078	2012	5	11	5	V	0.1	1.4	2.23	32
180970078	2012	5	11	6	V	0.5	1.4	2.38	44
180970078	2012	5	11	7	V	0.9	1.8	1.93	69
180970078	2012	5	11	8	V	0.3	3	2.67	109
180970078	2012	5	11	9	V	0.2	4.3	3.2	157
180970078	2012	5	11	10	V	0.2	4.5	3.03	165
180970078	2012	5	11	11	V	1.0	3.5	2.71	182
180970078	2012	5	11	12	V	2.0	3.1	2.01	206
180970078	2012	5	11	13	V	2.7	2.8	2.27	217
180970078	2012	5	11	14	V	0.8	6.1	1.93	260
180970078	2012	5	11	15	V	2.2	9	1.96	232
180970078	2012	5	11	16	V	1.6	13.3	1.65	243
180970078	2012	5	11	17	V	0.8	22.2	2.11	240
180970078	2012	5	11	18	V	2.2	21.1	2.27	203
180970078	2012	5	11	19	V	0.04	10.3	3.03	163
180970078	2012	5	11	20	V	0.05	3.1	2.95	156
180970078	2012	5	11	21	V	0.05	2.4	3.17	171
180970078	2012	5	11	22	V	0.04	-999	3.24	166
180970078	2012	5	11	23	V	0.1	-999	1.62	259
180970078	2012	5	11	24	V	1.6	2.4	0.65	177
180970078	2012	5	12	1	V	0.7	2.7	1.5	198
180970078	2012	5	12	2	V	0.1	2.3	1.7	141

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	12	3	V	0.08	2.1	1.96	120
180970078	2012	5	12	4	V	0.1	1.9	1.72	125
180970078	2012	5	12	5	V	0.1	1.8	2.01	153
180970078	2012	5	12	6	V	2.3	1.9	1.09	151
180970078	2012	5	12	7	V	1.1	2	1.52	136
180970078	2012	5	12	8	V	0.7	2.7	2.01	149
180970078	2012	5	12	9	V	0.9	2.3	2.52	185
180970078	2012	5	12	10	V	3.1	1.9	2.03	196
180970078	2012	5	12	11	V	6.8	3.5	2.83	217
180970078	2012	5	12	12	V	0.5	5.9	2.11	250
180970078	2012	5	12	13	V	0.2	5.3	2.32	129
180970078	2012	5	12	14	V	0.09	2.5	2.93	145
180970078	2012	5	12	15	V	0.1	2.7	2.39	143
180970078	2012	5	12	16	V	0.02	3.8	4.43	158
180970078	2012	5	12	17	V	0.02	4.1	4.34	157
180970078	2012	5	12	18	V	0.05	4.2	3.39	161
180970078	2012	5	12	19	V	0.04	3.9	2.74	186
180970078	2012	5	12	20	V	0.05	3.5	2.42	195
180970078	2012	5	12	21	V	8.9	2.9	2.03	224
180970078	2012	5	12	22	V	20.3	2.6	1.94	208
180970078	2012	5	12	23	V	0.2	2.6	1.57	310
180970078	2012	5	12	24	V	0.3	2.9	1.25	89
180970078	2012	5	13	1	V	0.3	2.7	1.33	324
180970078	2012	5	13	2	V	0.5	2.2	1.04	263
180970078	2012	5	13	3	V	0.5	2.1	1.04	290
180970078	2012	5	13	4	V	0.3	1.9	1.18	341
180970078	2012	5	13	5	V	0.4	1.7	1.5	10
180970078	2012	5	13	6	V	0.5	1.6	2.15	43
180970078	2012	5	13	7	V	0.9	1.7	2.05	29
180970078	2012	5	13	8	V	0.4	1.8	2.66	24
180970078	2012	5	13	9	V	0.8	2.1	2.15	22
180970078	2012	5	13	10	V	1.0	3.8	1.86	81
180970078	2012	5	13	11	V	0.5	11.7	2.42	96
180970078	2012	5	13	12	V	0.2	5.3	2.84	112
180970078	2012	5	13	13	V	0.05	4.3	4.63	113
180970078	2012	5	13	14	V	0.05	3.6	4.31	115
180970078	2012	5	13	15	V	0.03	3.3	4.71	115
180970078	2012	5	13	16	V	0.02	3.1	5.33	120
180970078	2012	5	13	17	V	0.02	2.6	5.34	121
180970078	2012	5	13	18	V	0.05	1.8	5.7	118
180970078	2012	5	13	19	V	0.05	1.5	5.36	111
180970078	2012	5	13	20	V	0.05	1.5	4.65	113
180970078	2012	5	13	21	V	0.05	1.7	3.42	112
180970078	2012	5	13	22	V	0.04	1.6	3.52	109
180970078	2012	5	13	23	V	0.05	1.5	2.56	107
180970078	2012	5	13	24	V	0.04	1.4	3.1	91

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	14	1	V	0.04	1.4	2.61	97
180970078	2012	5	14	2	V	0.04	1.3	2.84	101
180970078	2012	5	14	3	V	0.2	1.3	1.18	72
180970078	2012	5	14	4	V	0.07	1.3	1.91	41
180970078	2012	5	14	5	V	0.07	1.3	2.69	44
180970078	2012	5	14	6	V	0.4	1.3	2.27	43
180970078	2012	5	14	7	V	0.7	1.3	2.57	19
180970078	2012	5	14	8	V	0.4	1.3	2.32	29
180970078	2012	5	14	9	V	0.1	1.3	3.63	32
180970078	2012	5	14	10	V	0.08	1.5	4.25	18
180970078	2012	5	14	11	V	0.2	1.7	2.84	38
180970078	2012	5	14	12	V	0.1	1.9	3.46	43
180970078	2012	5	14	13	V	0.2	1.9	3.18	8
180970078	2012	5	14	14	V	0.3	1.8	2.3	25
180970078	2012	5	14	15	V	0.3	1.6	2.32	10
180970078	2012	5	14	16	V	0.2	1.7	2.44	352
180970078	2012	5	14	17	V	0.05	1.7	3.3	342
180970078	2012	5	14	18	V	0.05	1.6	3	339
180970078	2012	5	14	19	V	0.04	1.5	3.46	343
180970078	2012	5	14	20	V	0.06	1.4	2.35	352
180970078	2012	5	14	21	V	0.07	1.6	2.3	336
180970078	2012	5	14	22	V	0.04	1.6	2.44	336
180970078	2012	5	14	23	V	0.03	1.5	4.49	347
180970078	2012	5	14	24	V	0.03	1.6	3.8	357
180970078	2012	5	15	1	V	0.02	1.5	3.08	20
180970078	2012	5	15	2	V	0.04	1.4	2.49	11
180970078	2012	5	15	3	V	0.2	1.3	1.43	337
180970078	2012	5	15	4	V	0.6	1.4	0.94	25
180970078	2012	5	15	5	V	0.3	1.3	1.6	291
180970078	2012	5	15	6	V	0.9	1.4	1.7	270
180970078	2012	5	15	7	V	4.8	2.1	0.99	253
180970078	2012	5	15	8	V	1.4	2.6	1.67	266
180970078	2012	5	15	9	V	0.9	3.8	1.55	225
180970078	2012	5	15	10	V	0.8	10.3	1.77	275
180970078	2012	5	15	11	V	0.2	4.8	3.32	321
180970078	2012	5	15	12	V	0.2	2.1	3.01	313
180970078	2012	5	15	13	V	0.1	2	3.46	294
180970078	2012	5	15	14	V	0.08	2.1	3.98	266
180970078	2012	5	15	15	V	0.08	2.1	3.78	284
180970078	2012	5	15	16	V	0.08	2.1	3.4	267
180970078	2012	5	15	17	V	0.1	2.5	3.4	250
180970078	2012	5	15	18	V	0.3	2.6	3.98	244
180970078	2012	5	15	19	V	21.3	3	4.61	208
180970078	2012	5	15	20	V	16.3	31.9	4.37	207
180970078	2012	5	15	21	V	1.7	21.5	3.73	203
180970078	2012	5	15	22	V	29.1	5.6	3.47	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	15	23	V	10.4	4.2	3.59	222
180970078	2012	5	15	24	V	0.3	6.7	3.46	232
180970078	2012	5	16	1	V	12.6	3.3	3.69	221
180970078	2012	5	16	2	V	2.2	2.5	3.63	228
180970078	2012	5	16	3	V	3.1	6.8	3.76	227
180970078	2012	5	16	4	V	4.0	6.4	3.83	226
180970078	2012	5	16	5	V	10.1	9	3.93	222
180970078	2012	5	16	6	V	4.2	14.1	4	227
180970078	2012	5	16	7	V	2.4	9.5	3.98	232
180970078	2012	5	16	8	V	0.5	7.6	3.63	243
180970078	2012	5	16	9	V	0.1	6.2	4.51	278
180970078	2012	5	16	10	V	0.2	3.3	4.12	315
180970078	2012	5	16	11	V	0.08	2.4	5.33	330
180970078	2012	5	16	12	V	0.06	2	5.55	1
180970078	2012	5	16	13	V	0.05	1.6	5.72	13
180970078	2012	5	16	14	V	0.03	1.5	6.19	13
180970078	2012	5	16	15	V	0.03	1.4	5.7	14
180970078	2012	5	16	16	V	0.03	1.2	5.65	12
180970078	2012	5	16	17	V	0.03	1.2	4.82	23
180970078	2012	5	16	18	V	0.05	1.2	4.9	15
180970078	2012	5	16	19	V	0.04	1.2	5.11	14
180970078	2012	5	16	20	V	0.04	1.2	4.09	21
180970078	2012	5	16	21	V	0.04	1.1	4.71	14
180970078	2012	5	16	22	V	0.04	1.1	4.56	19
180970078	2012	5	16	23	V	0.04	1.3	5	17
180970078	2012	5	16	24	V	0.04	1.2	5.07	11
180970078	2012	5	17	1	V	0.03	1.3	4.59	24
180970078	2012	5	17	2	V	0.03	1.5	4.14	31
180970078	2012	5	17	3	V	0.03	1.3	3.88	36
180970078	2012	5	17	4	V	0.03	1.3	3.61	38
180970078	2012	5	17	5	V	0.1	1.2	2.86	55
180970078	2012	5	17	6	V	0.2	1.2	3.22	72
180970078	2012	5	17	7	V	0.2	1.6	3.93	84
180970078	2012	5	17	8	V	0.1	2.1	4.56	91
180970078	2012	5	17	9	V	0.05	1.7	5.67	93
180970078	2012	5	17	10	V	0.04	1.4	6.36	91
180970078	2012	5	17	11	V	0.06	1.3	5.39	90
180970078	2012	5	17	12	V	0.05	1.3	5.36	80
180970078	2012	5	17	13	V	0.06	1.2	5	87
180970078	2012	5	17	14	V	0.07	1.2	4.66	85
180970078	2012	5	17	15	V	0.07	1.2	4.31	78
180970078	2012	5	17	16	V	0.05	1.2	4.37	74
180970078	2012	5	17	17	V	0.03	1.2	4.8	101
180970078	2012	5	17	18	V	0.05	1.3	4.49	96
180970078	2012	5	17	19	V	0.04	1.3	4.32	87
180970078	2012	5	17	20	V	0.04	1.2	4.07	90

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	17	21	V	0.04	1.3	3.29	94
180970078	2012	5	17	22	V	0.04	1.4	3.39	91
180970078	2012	5	17	23	V	0.04	1.4	2.91	89
180970078	2012	5	17	24	V	0.06	1.4	2.76	94
180970078	2012	5	18	1	V	0.05	1.4	2.78	83
180970078	2012	5	18	2	V	0.04	1.4	2.84	81
180970078	2012	5	18	3	V	0.05	1.4	2.54	83
180970078	2012	5	18	4	V	0.04	1.5	2.66	82
180970078	2012	5	18	5	V	0.1	1.4	2.86	76
180970078	2012	5	18	6	V	0.4	1.6	2.62	75
180970078	2012	5	18	7	V	0.5	2.8	3.08	92
180970078	2012	5	18	8	V	0.3	3.2	3.42	112
180970078	2012	5	18	9	V	0.2	3.2	3.76	117
180970078	2012	5	18	10	V	0.3	4.4	3.12	119
180970078	2012	5	18	11	V	0.7	4.3	2.18	126
180970078	2012	5	18	12	V	0.8	3.7	2.11	132
180970078	2012	5	18	13	V	0.6	3.1	2.23	140
180970078	2012	5	18	14	V	0.3	2.7	2.62	124
180970078	2012	5	18	15	V	0.2	2.7	2.95	128
180970078	2012	5	18	16	V	0.1	2.9	3.18	125
180970078	2012	5	18	17	V	0.06	2.8	3.32	144
180970078	2012	5	18	18	V	0.05	2.8	3.69	136
180970078	2012	5	18	19	V	0.04	2.1	3.85	129
180970078	2012	5	18	20	V	0.04	2	3.12	140
180970078	2012	5	18	21	V	0.08	2	2.27	145
180970078	2012	5	18	22	V	0.05	-999	2.91	116
180970078	2012	5	18	23	V	0.04	-999	3.47	126
180970078	2012	5	18	24	V	0.04	2.5	3.66	140
180970078	2012	5	19	1	V	0.04	2.9	3.13	140
180970078	2012	5	19	2	V	0.07	2.6	2.47	117
180970078	2012	5	19	3	V	0.1	2.2	1.94	102
180970078	2012	5	19	4	V	0.09	1.8	1.82	68
180970078	2012	5	19	5	V	0.4	1.7	1.84	73
180970078	2012	5	19	6	V	1.5	1.6	1.6	83
180970078	2012	5	19	7	V	1.2	2.1	1.96	108
180970078	2012	5	19	8	V	0.6	3	2.35	121
180970078	2012	5	19	9	V	0.3	2.5	2.83	155
180970078	2012	5	19	10	V	0.2	2.4	2.91	150
180970078	2012	5	19	11	V	0.3	2	2.89	169
180970078	2012	5	19	12	V	0.4	1.9	2.55	144
180970078	2012	5	19	13	V	0.7	2.3	2.49	175
180970078	2012	5	19	14	V	0.2	1.9	3.18	148
180970078	2012	5	19	15	V	0.6	1.8	2.69	178
180970078	2012	5	19	16	V	0.2	3.3	2.78	167
180970078	2012	5	19	17	V	2.1	7.3	2.61	196
180970078	2012	5	19	18	V	0.07	6.7	2.66	186

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	19	19	V	0.04	5.2	3.49	160
180970078	2012	5	19	20	V	0.04	1.6	3.08	175
180970078	2012	5	19	21	V	0.04	1.8	3.25	171
180970078	2012	5	19	22	V	0.04	1.9	3.49	177
180970078	2012	5	19	23	V	0.04	2.1	3.66	139
180970078	2012	5	19	24	V	0.04	2.1	3.78	140
180970078	2012	5	20	1	V	0.04	2.3	3.56	140
180970078	2012	5	20	2	V	0.06	2.4	2.62	164
180970078	2012	5	20	3	V	0.3	1.8	1.38	187
180970078	2012	5	20	4	V	0.3	1.7	1.38	124
180970078	2012	5	20	5	V	0.4	1.6	2.1	126
180970078	2012	5	20	6	V	0.7	1.6	2.16	122
180970078	2012	5	20	7	V	1.0	1.9	2.08	139
180970078	2012	5	20	8	V	0.8	2.9	2.23	175
180970078	2012	5	20	9	V	1.2	14.8	1.74	176
180970078	2012	5	20	10	V	1.1	27	1.45	203
180970078	2012	5	20	11	V	1.0	17.6	1.42	178
180970078	2012	5	20	12	V	0.7	14.1	1.89	175
180970078	2012	5	20	13	V	0.6	9.9	1.96	205
180970078	2012	5	20	14	V	0.6	2.9	1.94	171
180970078	2012	5	20	15	V	0.2	2.2	2.73	167
180970078	2012	5	20	16	V	0.6	2.1	3.03	184
180970078	2012	5	20	17	V	0.02	2.1	5.26	162
180970078	2012	5	20	18	V	0.09	1.8	3.91	139
180970078	2012	5	20	19	V	0.05	1.7	4.02	136
180970078	2012	5	20	20	V	0.06	1.8	3.35	165
180970078	2012	5	20	21	V	0.06	2	3.93	156
180970078	2012	5	20	22	V	0.05	2.1	3.98	152
180970078	2012	5	20	23	V	0.05	2.3	3.64	180
180970078	2012	5	20	24	V	0.04	4.2	7.48	272
180970078	2012	5	21	1	V	0.04	1.8	6.35	300
180970078	2012	5	21	2	V	0.06	1.5	3.61	340
180970078	2012	5	21	3	V	0.06	1.4	2.73	36
180970078	2012	5	21	4	V	0.07	1.3	2.38	39
180970078	2012	5	21	5	V	0.2	1.3	2.1	277
180970078	2012	5	21	6	V	0.1	1.3	4.08	266
180970078	2012	5	21	7	V	0.3	1.3	3.13	293
180970078	2012	5	21	8	V	1.1	1.4	1.99	299
180970078	2012	5	21	9	V	0.4	1.4	2.54	315
180970078	2012	5	21	10	V	0.2	1.4	3.27	330
180970078	2012	5	21	11	V	0.1	1.4	3.95	330
180970078	2012	5	21	12	V	0.07	1.3	4.95	336
180970078	2012	5	21	13	V	0.06	1.4	5.38	340
180970078	2012	5	21	14	V	0.05	1.4	5.21	357
180970078	2012	5	21	15	V	0.02	1.4	6.79	342
180970078	2012	5	21	16	V	0.02	1.2	7.84	341

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	21	17	V	0.01	1.2	8.57	325
180970078	2012	5	21	18	V	0.04	1.4	7.98	324
180970078	2012	5	21	19	V	0.04	1.4	6.33	325
180970078	2012	5	21	20	V	0.04	1.2	6.02	329
180970078	2012	5	21	21	V	0.05	1.5	6.09	339
180970078	2012	5	21	22	V	0.04	1.7	5.5	341
180970078	2012	5	21	23	V	0.05	1.3	4.56	356
180970078	2012	5	21	24	V	0.04	1.3	4.61	354
180970078	2012	5	22	1	V	0.03	1.2	3.49	360
180970078	2012	5	22	2	V	0.03	1.2	2.79	355
180970078	2012	5	22	3	V	0.03	1.1	3.86	350
180970078	2012	5	22	4	V	0.03	1.2	4.15	351
180970078	2012	5	22	5	V	0.2	1.2	3.24	355
180970078	2012	5	22	6	V	0.3	1.3	3.49	357
180970078	2012	5	22	7	V	0.2	1.4	3.57	355
180970078	2012	5	22	8	V	0.1	1.5	4.2	6
180970078	2012	5	22	9	V	0.09	1.5	4.24	360
180970078	2012	5	22	10	V	0.1	1.5	4.1	7
180970078	2012	5	22	11	V	0.1	1.4	4.03	5
180970078	2012	5	22	12	V	0.1	1.3	3.22	19
180970078	2012	5	22	13	V	0.2	1.2	2.76	12
180970078	2012	5	22	14	V	0.2	1.2	2.98	10
180970078	2012	5	22	15	V	0.1	1.2	3.29	344
180970078	2012	5	22	16	V	0.1	1.2	3.25	327
180970078	2012	5	22	17	V	0.06	1.3	3.63	350
180970078	2012	5	22	18	V	0.06	1.3	3.1	354
180970078	2012	5	22	19	V	0.04	1.2	3.15	3
180970078	2012	5	22	20	V	0.04	1.2	3.1	21
180970078	2012	5	22	21	V	0.06	1.3	2.61	14
180970078	2012	5	22	22	V	0.1	1.5	2.05	29
180970078	2012	5	22	23	V	0.08	1.4	2.18	354
180970078	2012	5	22	24	V	0.06	1.3	2.3	346
180970078	2012	5	23	1	V	0.08	1.4	2.01	352
180970078	2012	5	23	2	V	0.2	1.4	1.42	335
180970078	2012	5	23	3	V	0.5	1.3	1.01	347
180970078	2012	5	23	4	V	0.5	1.3	1.08	310
180970078	2012	5	23	5	V	1.0	1.2	1.18	315
180970078	2012	5	23	6	V	3.3	1.3	0.94	336
180970078	2012	5	23	7	V	1.3	1.7	1.91	53
180970078	2012	5	23	8	V	1.0	1.9	1.84	55
180970078	2012	5	23	9	V	1.6	2.1	1.5	121
180970078	2012	5	23	10	V	0.6	2.4	2.18	140
180970078	2012	5	23	11	V	1.4	4.2	2.25	182
180970078	2012	5	23	12	V	0.3	4.2	3.01	169
180970078	2012	5	23	13	V	0.2	3.3	3.3	144
180970078	2012	5	23	14	V	0.1	2.7	4.07	167

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	23	15	V	0.1	2.4	3.68	170
180970078	2012	5	23	16	V	0.07	1.9	3.93	144
180970078	2012	5	23	17	V	0.03	1.8	4.63	170
180970078	2012	5	23	18	V	0.06	1.9	5.21	159
180970078	2012	5	23	19	V	0.04	1.7	4.97	188
180970078	2012	5	23	20	V	0.04	1.4	4.07	176
180970078	2012	5	23	21	V	0.04	1.5	3.32	173
180970078	2012	5	23	22	V	0.04	1.6	3.42	153
180970078	2012	5	23	23	V	0.04	1.9	3.9	147
180970078	2012	5	23	24	V	0.04	1.9	4.26	148
180970078	2012	5	24	1	V	0.03	1.6	4.15	147
180970078	2012	5	24	2	V	0.03	1.4	4.71	148
180970078	2012	5	24	3	V	0.03	1.4	4.68	144
180970078	2012	5	24	4	V	0.04	1.4	4.75	141
180970078	2012	5	24	5	V	0.09	1.4	4.29	144
180970078	2012	5	24	6	V	0.2	1.4	4.05	148
180970078	2012	5	24	7	V	0.3	1.6	3.56	149
180970078	2012	5	24	8	V	0.3	1.9	3.44	159
180970078	2012	5	24	9	V	0.2	2.3	3.68	158
180970078	2012	5	24	10	V	0.07	2.4	5.17	173
180970078	2012	5	24	11	V	0.03	2.7	7.54	182
180970078	2012	5	24	12	V	0.02	2.3	8.57	165
180970078	2012	5	24	13	V	0.02	2	8.64	175
180970078	2012	5	24	14	V	0.01	2.1	8.95	169
180970078	2012	5	24	15	V	0.01	1.6	8.57	173
180970078	2012	5	24	16	V	0.02	1.6	7.84	179
180970078	2012	5	24	17	V	0.01	1.6	8.06	179
180970078	2012	5	24	18	V	0.05	1.6	7.79	171
180970078	2012	5	24	19	V	0.04	1.7	7.94	170
180970078	2012	5	24	20	V	0.04	1.6	6.72	165
180970078	2012	5	24	21	V	0.04	3	5.51	154
180970078	2012	5	24	22	V	0.04	3.8	5.97	152
180970078	2012	5	24	23	V	0.05	2.4	5.17	153
180970078	2012	5	24	24	V	0.05	2.1	4.95	159
180970078	2012	5	25	1	V	0.04	2.1	6.96	169
180970078	2012	5	25	2	V	0.05	2.7	5.36	159
180970078	2012	5	25	3	V	0.05	2.9	4.36	188
180970078	2012	5	25	4	V	0.1	2.9	5.36	196
180970078	2012	5	25	5	V	0.03	2.7	5.96	189
180970078	2012	5	25	6	V	0.2	2.4	4.36	188
180970078	2012	5	25	7	V	14.9	2.4	4.86	220
180970078	2012	5	25	8	V	15.9	4	5.96	217
180970078	2012	5	25	9	V	0.6	15.1	5.36	234
180970078	2012	5	25	10	V	0.3	5.1	4.86	241
180970078	2012	5	25	11	V	0.6	3.6	4.36	240
180970078	2012	5	25	12	V	0.4	3.3	2.86	263

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	25	13	V	2.0	2.9	3.86	232
180970078	2012	5	25	14	V	6.2	5.8	5.36	212
180970078	2012	5	25	15	V	4.9	11.7	5.36	207
180970078	2012	5	25	16	M	-999	12.9	2.36	999
180970078	2012	5	25	17	V	0.2	9.6	4.86	194
180970078	2012	5	25	18	V	5.3	6.9	4.86	207
180970078	2012	5	25	19	V	41.1	13.8	4.86	212
180970078	2012	5	25	20	V	0.2	4	3.36	200
180970078	2012	5	25	21	V	0.07	2.2	2.36	168
180970078	2012	5	25	22	V	0.05	-999	3.86	169
180970078	2012	5	25	23	V	0.1	-999	1.76	117
180970078	2012	5	25	24	V	0.05	2.1	3.76	149
180970078	2012	5	26	1	V	0.06	1.7	2.5	177
180970078	2012	5	26	2	V	0.6	1.8	2.05	200
180970078	2012	5	26	3	V	59.5	1.6	1.21	212
180970078	2012	5	26	4	V	0.5	1.6	1.08	64
180970078	2012	5	26	5	V	0.9	1.6	1.45	60
180970078	2012	5	26	6	V	0.8	1.6	1.96	108
180970078	2012	5	26	7	V	0.6	1.6	2.42	132
180970078	2012	5	26	8	V	0.3	1.5	2.28	113
180970078	2012	5	26	9	V	2.0	9.3	1.74	197
180970078	2012	5	26	10	V	1.6	24.6	1.18	212
180970078	2012	5	26	11	V	2.5	36.1	1.59	201
180970078	2012	5	26	12	V	4.3	7.6	2.2	204
180970078	2012	5	26	13	V	0.09	3.3	4.44	148
180970078	2012	5	26	14	V	0.1	2.7	4.27	178
180970078	2012	5	26	15	V	0.06	2.6	4.66	173
180970078	2012	5	26	16	V	0.04	2.3	5.05	178
180970078	2012	5	26	17	V	0.03	2.1	5.45	182
180970078	2012	5	26	18	V	0.09	1.9	5.94	190
180970078	2012	5	26	19	V	0.04	1.9	5.51	184
180970078	2012	5	26	20	V	0.05	1.7	3.17	189
180970078	2012	5	26	21	V	0.08	1.7	2.18	171
180970078	2012	5	26	22	V	0.06	2	2.66	142
180970078	2012	5	26	23	V	0.04	2.1	3.2	154
180970078	2012	5	26	24	V	0.04	2	3.51	147
180970078	2012	5	27	1	V	0.06	1.8	2.64	162
180970078	2012	5	27	2	V	0.04	1.7	3.13	156
180970078	2012	5	27	3	V	0.2	1.8	1.38	149
180970078	2012	5	27	4	V	0.1	1.7	1.72	108
180970078	2012	5	27	5	V	0.5	1.6	1.82	119
180970078	2012	5	27	6	V	0.2	1.6	2.98	158
180970078	2012	5	27	7	V	0.2	1.7	3.39	184
180970078	2012	5	27	8	V	9.8	8	4.15	203
180970078	2012	5	27	9	V	12.6	32.3	4.22	224
180970078	2012	5	27	10	V	6.5	8.8	3.59	228

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	27	11	V	7.0	4.5	3.32	216
180970078	2012	5	27	12	V	4.6	3.7	4.51	207
180970078	2012	5	27	13	V	5.2	16.6	6.31	212
180970078	2012	5	27	14	V	2.5	10.9	5.6	201
180970078	2012	5	27	15	V	5.4	10.4	5.94	211
180970078	2012	5	27	16	V	3.4	4	5.63	204
180970078	2012	5	27	17	V	3.1	3.5	5.72	204
180970078	2012	5	27	18	V	1.9	3.2	5.7	198
180970078	2012	5	27	19	V	0.04	2.7	5.41	183
180970078	2012	5	27	20	V	0.05	2	4.37	179
180970078	2012	5	27	21	V	0.05	1.9	3.57	168
180970078	2012	5	27	22	V	0.05	2	3.46	160
180970078	2012	5	27	23	V	0.05	2.1	4.36	165
180970078	2012	5	27	24	V	0.04	2.1	4.31	174
180970078	2012	5	28	1	V	0.04	1.9	4.07	181
180970078	2012	5	28	2	V	0.04	1.8	4.46	175
180970078	2012	5	28	3	V	0.03	1.8	4.78	178
180970078	2012	5	28	4	V	0.03	1.7	4.66	180
180970078	2012	5	28	5	V	0.1	1.7	3.91	180
180970078	2012	5	28	6	V	0.7	1.6	2.78	186
180970078	2012	5	28	7	V	1.4	1.6	2.52	188
180970078	2012	5	28	8	V	11.5	13.6	3.64	203
180970078	2012	5	28	9	V	3.1	12.1	4.61	221
180970078	2012	5	28	10	V	0.5	6.6	5.68	238
180970078	2012	5	28	11	V	0.9	4	6.6	232
180970078	2012	5	28	12	V	3.5	3.5	6.64	215
180970078	2012	5	28	13	V	4.3	3.2	7.11	215
180970078	2012	5	28	14	V	3.5	2.6	7.45	209
180970078	2012	5	28	15	V	3.9	3.7	6.7	210
180970078	2012	5	28	16	V	3.8	5.7	7.65	207
180970078	2012	5	28	17	V	1.2	4.3	7.47	201
180970078	2012	5	28	18	V	7.4	5.5	7.4	209
180970078	2012	5	28	19	V	0.06	2.8	6.69	194
180970078	2012	5	28	20	V	0.05	2.1	5.46	176
180970078	2012	5	28	21	V	0.05	1.9	5.56	175
180970078	2012	5	28	22	V	0.05	2.3	5.67	180
180970078	2012	5	28	23	V	0.05	2.4	5.84	179
180970078	2012	5	28	24	V	0.04	2.5	5.73	181
180970078	2012	5	29	1	V	0.04	2.2	5.53	183
180970078	2012	5	29	2	V	0.05	2	4.8	178
180970078	2012	5	29	3	V	0.04	1.9	4.56	192
180970078	2012	5	29	4	V	8.5	2	5.43	205
180970078	2012	5	29	5	V	0.02	9.8	6.18	276
180970078	2012	5	29	6	V	0.08	3.3	4.9	263
180970078	2012	5	29	7	V	28.8	2.2	3.29	206
180970078	2012	5	29	8	V	0.3	2.6	3.2	155

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	29	9	V	12.8	2.6	2.54	201
180970078	2012	5	29	10	V	12.8	5.3	2.15	206
180970078	2012	5	29	11	V	1.0	16.1	2.28	249
180970078	2012	5	29	12	V	0.8	7.4	1.64	329
180970078	2012	5	29	13	V	1.7	4	1.5	281
180970078	2012	5	29	14	V	3.6	3.1	1.79	238
180970078	2012	5	29	15	V	9.6	6.5	3.66	210
180970078	2012	5	29	16	V	2.8	44.8	3.42	230
180970078	2012	5	29	17	V	0.05	9.6	4.49	259
180970078	2012	5	29	18	V	0.07	2.8	5.12	269
180970078	2012	5	29	19	V	0.04	2.2	5	264
180970078	2012	5	29	20	V	0.4	2	3.98	250
180970078	2012	5	29	21	V	0.4	2.1	3.51	248
180970078	2012	5	29	22	V	0.06	2.1	2.93	239
180970078	2012	5	29	23	V	0.07	2.1	2.81	241
180970078	2012	5	29	24	V	0.2	2	3.17	244
180970078	2012	5	30	1	V	0.06	1.9	2.91	257
180970078	2012	5	30	2	V	0.1	1.8	1.86	275
180970078	2012	5	30	3	V	0.5	1.7	2.32	246
180970078	2012	5	30	4	V	0.1	1.6	2.61	255
180970078	2012	5	30	5	V	0.5	1.5	2.15	265
180970078	2012	5	30	6	V	0.9	1.5	2.25	291
180970078	2012	5	30	7	V	0.8	2.1	2.05	311
180970078	2012	5	30	8	V	0.4	2.1	2.59	334
180970078	2012	5	30	9	V	0.3	1.8	2.88	343
180970078	2012	5	30	10	V	0.1	1.7	3.88	320
180970078	2012	5	30	11	V	0.03	2.3	6.43	297
180970078	2012	5	30	12	V	0.02	1.8	6.97	289
180970078	2012	5	30	13	V	0.02	1.7	7.59	278
180970078	2012	5	30	14	V	0.02	1.5	6.99	271
180970078	2012	5	30	15	V	0.02	1.5	7.04	282
180970078	2012	5	30	16	V	0.02	1.5	6.19	276
180970078	2012	5	30	17	V	0.02	1.5	6.07	282
180970078	2012	5	30	18	V	0.05	1.4	5.89	290
180970078	2012	5	30	19	V	0.04	1.3	5.46	304
180970078	2012	5	30	20	V	0.04	1.4	4.25	317
180970078	2012	5	30	21	V	0.04	1.5	3.4	320
180970078	2012	5	30	22	V	0.04	1.5	3.58	337
180970078	2012	5	30	23	V	0.04	1.6	5.17	10
180970078	2012	5	30	24	V	0.04	1.5	4.2	26
180970078	2012	5	31	1	V	0.04	1.5	2.86	19
180970078	2012	5	31	2	V	0.03	1.4	3.18	10
180970078	2012	5	31	3	V	0.03	1.4	3.51	9
180970078	2012	5	31	4	V	0.03	1.4	3.85	25
180970078	2012	5	31	5	V	0.07	1.3	4.27	33
180970078	2012	5	31	6	V	0.2	1.4	3.63	40

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	5	31	7	V	0.1	1.6	4.66	42
180970078	2012	5	31	8	V	0.1	1.9	4.32	53
180970078	2012	5	31	9	V	0.2	1.9	3.64	75
180970078	2012	5	31	10	V	0.1	1.9	4.49	89
180970078	2012	5	31	11	V	0.08	2.1	4.48	103
180970078	2012	5	31	12	V	0.05	2.3	5.27	101
180970078	2012	5	31	13	V	0.06	2.4	5.17	120
180970078	2012	5	31	14	V	0.03	2.2	6.62	124
180970078	2012	5	31	15	V	0.02	2.1	6.65	118
180970078	2012	5	31	16	V	0.02	2.1	6.02	154
180970078	2012	5	31	17	V	0.02	1.6	6.04	351
180970078	2012	5	31	18	V	0.06	1.5	4.95	51
180970078	2012	5	31	19	V	0.05	1.6	4.48	36
180970078	2012	5	31	20	V	0.05	1.5	5.21	24
180970078	2012	5	31	21	V	0.05	1.5	4.44	34
180970078	2012	5	31	22	V	0.05	1.5	4.19	45
180970078	2012	5	31	23	V	0.05	1.5	4.12	47
180970078	2012	5	31	24	V	0.05	1.5	3.49	25
180970078	2012	6	1	1	V	0.04	1.5	2.98	18
180970078	2012	6	1	2	V	0.04	1.5	4.09	336
180970078	2012	6	1	3	V	0.04	1.4	4.65	333
180970078	2012	6	1	4	V	0.04	1.4	5.24	338
180970078	2012	6	1	5	V	0.02	1.4	5.19	333
180970078	2012	6	1	6	V	0.02	1.5	6.23	332
180970078	2012	6	1	7	V	0.03	1.5	5.94	329
180970078	2012	6	1	8	V	0.03	1.4	6.26	320
180970078	2012	6	1	9	V	0.03	1.4	6.64	306
180970078	2012	6	1	10	V	0.03	1.4	6.63	298
180970078	2012	6	1	11	V	0.02	1.5	7.26	297
180970078	2012	6	1	12	V	0.02	1.6	7.84	301
180970078	2012	6	1	13	V	0.02	1.6	7.6	298
180970078	2012	6	1	14	V	0.01	1.4	8.62	291
180970078	2012	6	1	15	V	0.01	1.4	8.1	297
180970078	2012	6	1	16	V	0.02	1.4	6.26	295
180970078	2012	6	1	17	V	0.02	1.5	5.94	289
180970078	2012	6	1	18	V	0.06	1.5	5.92	287
180970078	2012	6	1	19	V	0.05	1.6	5.36	284
180970078	2012	6	1	20	V	0.06	1.6	4.63	262
180970078	2012	6	1	21	V	0.3	1.5	4.44	248
180970078	2012	6	1	22	V	0.3	-999	4.6	245
180970078	2012	6	1	23	V	0.2	-999	4.78	237
180970078	2012	6	1	24	V	0.5	1.5	4.78	232
180970078	2012	6	2	1	V	0.7	1.5	4.63	231
180970078	2012	6	2	2	V	0.2	1.5	4.43	234
180970078	2012	6	2	3	V	0.1	1.4	4.53	236
180970078	2012	6	2	4	V	1.3	1.4	4.02	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	2	5	V	3.4	1.5	3.8	229
180970078	2012	6	2	6	V	6.3	1.5	4.05	226
180970078	2012	6	2	7	V	1.9	2.7	4.56	229
180970078	2012	6	2	8	V	0.5	2.7	5.41	237
180970078	2012	6	2	9	V	0.2	2.5	5.9	241
180970078	2012	6	2	10	V	0.08	2.2	6.99	245
180970078	2012	6	2	11	V	0.04	1.9	8.01	248
180970078	2012	6	2	12	V	0.04	1.5	7.98	244
180970078	2012	6	2	13	V	0.06	1.4	7.79	243
180970078	2012	6	2	14	V	0.03	1.5	7.6	246
180970078	2012	6	2	15	V	0.03	1.5	8.03	243
180970078	2012	6	2	16	V	0.02	1.5	9.27	239
180970078	2012	6	2	17	V	0.03	1.6	6.99	238
180970078	2012	6	2	18	V	0.4	1.6	7.11	235
180970078	2012	6	2	19	V	17.0	1.8	5.26	220
180970078	2012	6	2	20	V	22.9	2.5	3.46	208
180970078	2012	6	2	21	V	18.8	10.9	2.69	220
180970078	2012	6	2	22	V	0.06	21.3	2.66	182
180970078	2012	6	2	23	V	0.07	4.8	2.32	190
180970078	2012	6	2	24	V	0.7	2.6	1.74	199
180970078	2012	6	3	1	V	0.1	2.1	2.35	199
180970078	2012	6	3	2	V	2.9	1.9	1.59	229
180970078	2012	6	3	3	V	0.4	1.8	2.06	245
180970078	2012	6	3	4	V	0.3	1.8	2.1	245
180970078	2012	6	3	5	V	0.5	1.6	2.81	242
180970078	2012	6	3	6	V	0.6	1.6	2.61	251
180970078	2012	6	3	7	V	1.4	2.1	2.11	244
180970078	2012	6	3	8	V	0.9	2.8	3.03	242
180970078	2012	6	3	9	V	0.4	2.8	3.17	252
180970078	2012	6	3	10	V	0.05	3.1	5.46	268
180970078	2012	6	3	11	V	0.04	2.6	5.36	270
180970078	2012	6	3	12	V	0.02	2.2	6.36	277
180970078	2012	6	3	13	V	0.04	1.9	6.02	287
180970078	2012	6	3	14	V	0.03	1.6	6.41	287
180970078	2012	6	3	15	V	0.03	1.5	5.82	293
180970078	2012	6	3	16	V	0.03	1.6	5.34	281
180970078	2012	6	3	17	V	0.03	1.6	4.88	287
180970078	2012	6	3	18	V	0.07	1.5	4.75	283
180970078	2012	6	3	19	V	0.06	1.4	4.22	272
180970078	2012	6	3	20	V	0.1	1.4	3.73	258
180970078	2012	6	3	21	V	0.3	1.6	3.3	252
180970078	2012	6	3	22	V	0.4	1.8	2.71	246
180970078	2012	6	3	23	V	0.07	2	2.2	266
180970078	2012	6	3	24	V	0.5	1.9	2.27	247
180970078	2012	6	4	1	V	0.05	1.8	2.45	327
180970078	2012	6	4	2	V	0.04	1.8	3.1	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	4	3	V	0.04	1.7	2.78	315
180970078	2012	6	4	4	V	0.04	1.6	2.59	313
180970078	2012	6	4	5	V	0.1	1.7	2.81	346
180970078	2012	6	4	6	V	1.1	1.8	1.52	296
180970078	2012	6	4	7	V	0.7	1.9	2.22	341
180970078	2012	6	4	8	V	0.4	2.3	2.55	332
180970078	2012	6	4	9	V	0.3	2.3	2.78	289
180970078	2012	6	4	10	V	0.2	2	3.54	291
180970078	2012	6	4	11	V	0.2	2	3.42	278
180970078	2012	6	4	12	V	0.2	2.6	2.83	276
180970078	2012	6	4	13	V	0.05	2.5	4.49	287
180970078	2012	6	4	14	V	0.08	2.1	4.07	292
180970078	2012	6	4	15	V	0.06	2.1	4.14	275
180970078	2012	6	4	16	V	0.05	2.1	4.31	266
180970078	2012	6	4	17	V	0.03	2.3	5.36	257
180970078	2012	6	4	18	V	0.1	1.7	5.02	260
180970078	2012	6	4	19	V	0.04	1.5	5.1	273
180970078	2012	6	4	20	V	0.04	1.6	4.09	271
180970078	2012	6	4	21	V	0.05	1.4	4.08	292
180970078	2012	6	4	22	V	0.04	1.4	5.84	356
180970078	2012	6	4	23	V	0.04	1.5	5.46	1
180970078	2012	6	4	24	V	0.04	1.5	4.97	6
180970078	2012	6	5	1	V	0.03	1.5	3.46	14
180970078	2012	6	5	2	V	0.05	1.5	2.57	26
180970078	2012	6	5	3	V	0.05	1.5	2.3	15
180970078	2012	6	5	4	V	0.04	1.3	2.76	23
180970078	2012	6	5	5	V	0.2	1.4	3.35	34
180970078	2012	6	5	6	V	0.2	1.4	3.59	28
180970078	2012	6	5	7	V	0.3	1.9	3.24	38
180970078	2012	6	5	8	V	0.8	2.2	2.15	35
180970078	2012	6	5	9	V	1.6	2.2	1.63	37
180970078	2012	6	5	10	V	0.2	2.5	3.36	37
180970078	2012	6	5	11	V	0.08	2.2	3.86	347
180970078	2012	6	5	12	V	0.03	2.6	5.96	18
180970078	2012	6	5	13	V	0.02	1.5	7.46	31
180970078	2012	6	5	14	V	0.02	1.5	7.46	16
180970078	2012	6	5	15	V	0.02	1.3	6.96	36
180970078	2012	6	5	16	V	0.02	1.5	6.96	28
180970078	2012	6	5	17	V	0.01	1.5	8.46	40
180970078	2012	6	5	18	V	0.06	1.4	6.96	46
180970078	2012	6	5	19	V	0.05	1.4	5.96	53
180970078	2012	6	5	20	V	0.04	1.4	5.36	48
180970078	2012	6	5	21	V	0.05	1.4	3.86	75
180970078	2012	6	5	22	V	0.04	1.4	3.36	64
180970078	2012	6	5	23	V	0.04	1.4	3.36	40
180970078	2012	6	5	24	V	0.04	1.4	3.86	39

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	6	1	V	0.03	1.3	3.36	29
180970078	2012	6	6	2	V	0.04	1.3	2.86	8
180970078	2012	6	6	3	V	0.04	1.3	2.86	9
180970078	2012	6	6	4	V	0.03	1.3	2.86	23
180970078	2012	6	6	5	V	0.06	1.3	4.36	45
180970078	2012	6	6	6	V	0.3	1.4	3.36	34
180970078	2012	6	6	7	V	0.2	1.8	3.86	29
180970078	2012	6	6	8	V	0.1	2.1	3.86	38
180970078	2012	6	6	9	V	0.04	5.7	5.96	43
180970078	2012	6	6	10	V	0.05	4.2	5.36	74
180970078	2012	6	6	11	V	0.02	2	7.46	17
180970078	2012	6	6	12	V	0.03	1.5	5.96	45
180970078	2012	6	6	13	V	0.04	1.5	5.96	56
180970078	2012	6	6	14	V	0.03	1.9	5.36	56
180970078	2012	6	6	15	V	0.1	2	2.86	63
180970078	2012	6	6	16	V	0.05	1.7	4.36	3
180970078	2012	6	6	17	V	0.1	1.5	2.86	92
180970078	2012	6	6	18	V	0.09	1.5	4.36	19
180970078	2012	6	6	19	V	0.05	1.4	3.36	13
180970078	2012	6	6	20	V	0.05	1.4	3.36	26
180970078	2012	6	6	21	V	0.1	1.6	1.76	62
180970078	2012	6	6	22	V	0.2	1.6	1.76	28
180970078	2012	6	6	23	C	-999	1.6	0	0
180970078	2012	6	6	24	C	-999	1.6	0	0
180970078	2012	6	7	1	V	0.1	1.7	1.76	330
180970078	2012	6	7	2	V	0.04	1.7	2.86	355
180970078	2012	6	7	3	V	0.1	1.5	1.76	3
180970078	2012	6	7	4	V	0.1	1.4	1.76	356
180970078	2012	6	7	5	C	-999	1.4	0	0
180970078	2012	6	7	6	C	-999	1.5	0	0
180970078	2012	6	7	7	C	-999	1.9	0	0
180970078	2012	6	7	8	C	-999	2.1	0	0
180970078	2012	6	7	9	C	-999	2.1	0	0
180970078	2012	6	7	10	M	-999	1.7	1.76	999
180970078	2012	6	7	11	M	-999	1.8	1.76	999
180970078	2012	6	7	12	M	-999	1.7	1.76	999
180970078	2012	6	7	13	V	0.05	1.8	3.86	33
180970078	2012	6	7	14	V	0.2	1.6	2.36	338
180970078	2012	6	7	15	V	0.06	1.6	3.36	43
180970078	2012	6	7	16	V	0.3	1.5	1.76	39
180970078	2012	6	7	17	V	0.03	1.5	4.36	14
180970078	2012	6	7	18	V	0.01	1.7	4.36	314
180970078	2012	6	7	19	V	0.04	1.5	3.86	343
180970078	2012	6	7	20	V	0.04	1.4	3.36	348
180970078	2012	6	7	21	V	0.06	1.4	2.36	349
180970078	2012	6	7	22	V	0.04	1.6	2.86	350

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	7	23	V	0.05	1.6	2.86	279
180970078	2012	6	7	24	V	0.04	1.6	3.36	17
180970078	2012	6	8	1	C	-999	1.5	0	0
180970078	2012	6	8	2	V	0.1	1.5	1.76	40
180970078	2012	6	8	3	V	0.1	1.4	1.76	26
180970078	2012	6	8	4	C	-999	1.4	0	0
180970078	2012	6	8	5	C	-999	1.4	0	0
180970078	2012	6	8	6	C	-999	1.5	0	0
180970078	2012	6	8	7	C	-999	1.8	0	0
180970078	2012	6	8	8	C	-999	2.2	0	0
180970078	2012	6	8	9	V	0.8	2.6	1.76	176
180970078	2012	6	8	10	M	-999	15.8	1.76	999
180970078	2012	6	8	11	V	0.5	9.6	2.36	269
180970078	2012	6	8	12	C	-999	3	0	0
180970078	2012	6	8	13	M	-999	2	1.76	999
180970078	2012	6	8	14	V	0.1	1.9	3.86	314
180970078	2012	6	8	15	V	0.1	1.7	3.36	320
180970078	2012	6	8	16	M	-999	1.7	1.76	999
180970078	2012	6	8	17	M	-999	1.7	1.76	999
180970078	2012	6	8	18	C	-999	1.8	0	0
180970078	2012	6	8	19	V	0.05	2.4	3.36	269
180970078	2012	6	8	20	V	0.07	2.8	2.36	274
180970078	2012	6	8	21	V	10.3	2.6	3.36	206
180970078	2012	6	8	22	V	0.08	-999	2.36	238
180970078	2012	6	8	23	V	45.3	-999	3.36	214
180970078	2012	6	8	24	V	0.08	7.3	2.36	237
180970078	2012	6	9	1	V	0.5	5.1	1.76	246
180970078	2012	6	9	2	V	1.7	3.3	1.76	230
180970078	2012	6	9	3	V	0.8	3.3	2.36	230
180970078	2012	6	9	4	V	0.07	3.5	2.36	237
180970078	2012	6	9	5	C	-999	2.9	0	0
180970078	2012	6	9	6	C	-999	3	0	0
180970078	2012	6	9	7	C	-999	5.2	0	0
180970078	2012	6	9	8	V	2.3	12.9	2.36	225
180970078	2012	6	9	9	V	2.3	12.1	3.36	228
180970078	2012	6	9	10	V	2.1	5	3.36	231
180970078	2012	6	9	11	V	0.4	11.7	3.36	178
180970078	2012	6	9	12	V	3.9	19.1	4.86	210
180970078	2012	6	9	13	V	2.1	19.3	2.36	202
180970078	2012	6	9	14	V	1.8	26.2	4.36	197
180970078	2012	6	9	15	V	1.2	20	5.36	231
180970078	2012	6	9	16	V	3.7	17.4	3.36	219
180970078	2012	6	9	17	V	4.3	16.2	3.86	221
180970078	2012	6	9	18	V	0.2	12.7	6.46	199
180970078	2012	6	9	19	V	11.2	16.5	3.36	206
180970078	2012	6	9	20	V	0.05	6.4	2.86	175

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	9	21	V	0.05	6.8	3.86	157
180970078	2012	6	9	22	V	0.04	3.9	4.86	170
180970078	2012	6	9	23	V	0.04	2.8	4.36	172
180970078	2012	6	9	24	V	0.04	2.6	3.86	150
180970078	2012	6	10	1	V	0.04	2.4	2.86	164
180970078	2012	6	10	2	V	0.1	2.3	1.76	142
180970078	2012	6	10	3	C	-999	2.2	0	0
180970078	2012	6	10	4	V	0.1	2	1.76	126
180970078	2012	6	10	5	V	0.6	1.9	1.76	117
180970078	2012	6	10	6	V	0.5	1.8	2.36	131
180970078	2012	6	10	7	V	0.3	2.2	2.86	116
180970078	2012	6	10	8	V	0.1	3.2	3.36	171
180970078	2012	6	10	9	V	1.0	43.4	1.76	166
180970078	2012	6	10	10	M	-999	46.6	3.36	999
180970078	2012	6	10	11	V	0.04	5.4	4.86	156
180970078	2012	6	10	12	V	0.2	2.9	2.86	143
180970078	2012	6	10	13	V	0.02	2.1	6.96	129
180970078	2012	6	10	14	V	0.01	2	8.46	162
180970078	2012	6	10	15	V	0.02	2	7.46	148
180970078	2012	6	10	16	V	0.02	1.8	5.96	170
180970078	2012	6	10	17	V	0.01	2.6	9.06	142
180970078	2012	6	10	18	V	0.01	1.9	7.46	162
180970078	2012	6	10	19	V	0.05	1.9	7.46	161
180970078	2012	6	10	20	V	0.06	1.9	4.86	169
180970078	2012	6	10	21	V	0.06	4	3.86	148
180970078	2012	6	10	22	V	0.06	2.7	3.86	150
180970078	2012	6	10	23	V	0.06	2.6	2.86	135
180970078	2012	6	10	24	V	0.06	3.1	5.36	170
180970078	2012	6	11	1	V	0.05	2.6	5.96	172
180970078	2012	6	11	2	V	22.6	3.2	3.36	208
180970078	2012	6	11	3	V	0.06	3.7	3.86	178
180970078	2012	6	11	4	V	0.06	4.1	3.86	186
180970078	2012	6	11	5	V	0.1	3.5	3.86	182
180970078	2012	6	11	6	V	0.3	2.9	3.36	184
180970078	2012	6	11	7	V	0.3	2.8	3.36	178
180970078	2012	6	11	8	V	0.2	3	3.86	170
180970078	2012	6	11	9	V	0.2	6.7	3.36	170
180970078	2012	6	11	10	M	-999	10.9	2.36	999
180970078	2012	6	11	11	V	0.4	10.4	2.36	151
180970078	2012	6	11	12	V	0.3	6.5	2.36	150
180970078	2012	6	11	13	V	0.2	5.7	4.36	183
180970078	2012	6	11	14	V	5.0	3.1	5.96	205
180970078	2012	6	11	15	V	0.03	7.1	7.46	241
180970078	2012	6	11	16	V	9.9	2.4	5.36	212
180970078	2012	6	11	17	V	0.02	4.6	4.86	179
180970078	2012	6	11	18	V	10.8	6.5	4.36	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	11	19	V	0.06	2.9	3.86	264
180970078	2012	6	11	20	V	36.0	2.8	2.86	210
180970078	2012	6	11	21	V	38.5	4.7	3.36	211
180970078	2012	6	11	22	V	0.07	4.2	2.36	176
180970078	2012	6	11	23	V	15.3	5.5	3.36	207
180970078	2012	6	11	24	V	0.3	3.4	3.36	244
180970078	2012	6	12	1	V	0.03	2.5	4.86	269
180970078	2012	6	12	2	V	0.03	2.4	2.86	273
180970078	2012	6	12	3	V	0.04	2.3	2.86	238
180970078	2012	6	12	4	V	0.3	2.1	3.86	252
180970078	2012	6	12	5	V	0.1	2	3.86	270
180970078	2012	6	12	6	V	0.03	1.6	5.96	322
180970078	2012	6	12	7	V	0.02	2.2	7.96	325
180970078	2012	6	12	8	V	0.02	2.6	6.96	340
180970078	2012	6	12	9	V	0.03	2.7	6.96	332
180970078	2012	6	12	10	V	0.03	2.5	6.96	316
180970078	2012	6	12	11	V	0.06	2.2	4.86	335
180970078	2012	6	12	12	V	0.02	2.7	6.46	286
180970078	2012	6	12	13	V	0.03	2.8	6.46	302
180970078	2012	6	12	14	V	0.01	2.7	8.46	294
180970078	2012	6	12	15	V	0.02	2	6.46	290
180970078	2012	6	12	16	V	0.02	1.7	7.96	314
180970078	2012	6	12	17	V	0.01	1.8	10.06	315
180970078	2012	6	12	18	V	0.06	1.6	6.96	325
180970078	2012	6	12	19	V	0.04	1.6	6.2	332
180970078	2012	6	12	20	V	0.04	1.5	5.55	337
180970078	2012	6	12	21	V	0.04	1.8	4.88	350
180970078	2012	6	12	22	V	0.04	1.6	6.31	24
180970078	2012	6	12	23	V	0.04	1.6	5.97	25
180970078	2012	6	12	24	V	0.03	1.5	5.33	30
180970078	2012	6	13	1	V	0.03	1.5	4.36	32
180970078	2012	6	13	2	V	0.03	1.5	3.12	25
180970078	2012	6	13	3	V	0.03	1.4	3.23	11
180970078	2012	6	13	4	V	0.03	1.5	3.32	17
180970078	2012	6	13	5	V	0.2	1.6	3.18	17
180970078	2012	6	13	6	V	0.07	1.7	4.46	25
180970078	2012	6	13	7	V	0.05	1.9	5.46	45
180970078	2012	6	13	8	V	0.06	1.9	5.73	57
180970078	2012	6	13	9	V	0.04	-999	6.5	68
180970078	2012	6	13	10	V	0.07	-999	5	77
180970078	2012	6	13	11	V	0.2	1.8	3.68	71
180970078	2012	6	13	12	V	0.2	1.9	3.49	96
180970078	2012	6	13	13	V	0.08	1.8	3.47	72
180970078	2012	6	13	14	V	0.05	1.8	3.91	67
180970078	2012	6	13	15	V	0.03	1.8	4.29	49
180970078	2012	6	13	16	V	0.04	1.9	3.83	65

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	13	17	V	0.05	2	4.22	75
180970078	2012	6	13	18	V	0.02	1.9	3.86	68
180970078	2012	6	13	19	V	0.05	1.8	3.97	69
180970078	2012	6	13	20	V	0.06	1.7	4.58	85
180970078	2012	6	13	21	V	0.05	1.7	3.91	65
180970078	2012	6	13	22	V	0.04	1.7	3.61	52
180970078	2012	6	13	23	V	0.04	1.8	4.37	71
180970078	2012	6	13	24	V	0.04	1.7	3.93	72
180970078	2012	6	14	1	V	0.03	1.7	4.25	82
180970078	2012	6	14	2	V	0.03	1.6	4.32	77
180970078	2012	6	14	3	V	0.03	1.6	4.07	81
180970078	2012	6	14	4	V	0.03	1.5	3.25	86
180970078	2012	6	14	5	V	0.1	1.4	3.17	89
180970078	2012	6	14	6	V	0.3	1.4	3.1	77
180970078	2012	6	14	7	V	0.2	1.8	3.73	83
180970078	2012	6	14	8	V	0.3	3.3	3.1	93
180970078	2012	6	14	9	V	0.2	3.5	2.98	105
180970078	2012	6	14	10	V	0.3	2.8	2.79	117
180970078	2012	6	14	11	V	0.2	2.8	3.21	94
180970078	2012	6	14	12	V	0.09	2.8	4.03	97
180970078	2012	6	14	13	V	0.1	2.6	3.97	96
180970078	2012	6	14	14	V	0.09	2.4	4.36	114
180970078	2012	6	14	15	V	0.1	2.3	3.37	113
180970078	2012	6	14	16	V	0.1	2.1	3.35	91
180970078	2012	6	14	17	V	0.1	2.1	3.03	92
180970078	2012	6	14	18	V	0.02	2	4.12	125
180970078	2012	6	14	19	V	0.04	2.1	4	117
180970078	2012	6	14	20	V	0.04	2.2	3.76	120
180970078	2012	6	14	21	V	0.04	2	3.57	123
180970078	2012	6	14	22	V	0.04	2	3.69	119
180970078	2012	6	14	23	V	0.04	2.4	3.73	127
180970078	2012	6	14	24	V	0.04	2.7	3.22	114
180970078	2012	6	15	1	V	0.06	2.2	2.44	113
180970078	2012	6	15	2	V	0.2	2	1.59	107
180970078	2012	6	15	3	V	0.08	1.8	1.98	83
180970078	2012	6	15	4	V	0.3	1.8	1.25	57
180970078	2012	6	15	5	V	2.0	1.7	0.94	27
180970078	2012	6	15	6	V	1.4	1.7	1.48	46
180970078	2012	6	15	7	V	0.7	2.4	2.23	61
180970078	2012	6	15	8	V	0.7	4.5	2.27	100
180970078	2012	6	15	9	V	0.4	8.8	2.66	124
180970078	2012	6	15	10	V	0.3	11.4	3.25	137
180970078	2012	6	15	11	V	1.9	9.9	1.72	203
180970078	2012	6	15	12	V	1.0	9.8	1.71	199
180970078	2012	6	15	13	V	1.0	6.5	1.54	85
180970078	2012	6	15	14	V	0.5	4.6	2.1	144

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	15	15	V	0.3	5.3	2.57	120
180970078	2012	6	15	16	V	0.2	4.6	2.95	126
180970078	2012	6	15	17	V	0.06	3.9	3.76	144
180970078	2012	6	15	18	V	0.03	3.3	3.39	142
180970078	2012	6	15	19	V	0.05	2.9	3.9	130
180970078	2012	6	15	20	V	0.04	3	3.73	130
180970078	2012	6	15	21	V	0.04	4.1	3.29	137
180970078	2012	6	15	22	V	0.04	-999	3.39	149
180970078	2012	6	15	23	V	0.05	-999	2.88	131
180970078	2012	6	15	24	V	0.04	2.8	3.56	145
180970078	2012	6	16	1	V	0.04	2.5	3.37	148
180970078	2012	6	16	2	V	0.07	2.4	2.33	167
180970078	2012	6	16	3	V	0.07	2.3	2.27	150
180970078	2012	6	16	4	V	0.06	2.1	2.56	167
180970078	2012	6	16	5	V	1.0	2	1.64	169
180970078	2012	6	16	6	V	0.3	1.9	2.95	123
180970078	2012	6	16	7	V	0.3	2.1	3.34	123
180970078	2012	6	16	8	V	0.3	2.8	2.96	151
180970078	2012	6	16	9	V	3.3	30.7	2.84	196
180970078	2012	6	16	10	V	1.8	53.1	2.71	190
180970078	2012	6	16	11	V	2.6	61.1	3.59	210
180970078	2012	6	16	12	V	2.9	39.6	4.92	210
180970078	2012	6	16	13	V	2.9	21.1	5.31	212
180970078	2012	6	16	14	V	2.2	16.3	5.9	223
180970078	2012	6	16	15	V	4.1	9.1	5.8	211
180970078	2012	6	16	16	V	3.3	14.2	6.35	207
180970078	2012	6	16	17	V	5.8	9.2	6.02	216
180970078	2012	6	16	18	V	3.3	9.9	6.57	223
180970078	2012	6	16	19	V	0.3	4.3	6.43	196
180970078	2012	6	16	20	V	0.05	2.6	5.58	171
180970078	2012	6	16	21	V	0.05	2.4	4.88	153
180970078	2012	6	16	22	V	0.05	1.9	5.16	150
180970078	2012	6	16	23	V	0.05	2.2	4.51	172
180970078	2012	6	16	24	V	0.04	2.9	5.39	180
180970078	2012	6	17	1	V	5.6	3.5	5.73	203
180970078	2012	6	17	2	V	13.9	25.6	5.56	206
180970078	2012	6	17	3	V	25.6	28.5	5.85	216
180970078	2012	6	17	4	V	25.1	22.3	4.24	217
180970078	2012	6	17	5	V	0.8	11.7	1.65	335
180970078	2012	6	17	6	V	22.4	5.2	1.84	221
180970078	2012	6	17	7	V	0.8	5.5	3.23	236
180970078	2012	6	17	8	V	0.4	4.6	5.05	234
180970078	2012	6	17	9	V	0.5	4	6.86	231
180970078	2012	6	17	10	V	0.08	3.2	7.18	236
180970078	2012	6	17	11	V	0.06	3	6.67	244
180970078	2012	6	17	12	V	0.06	3.5	5.31	260

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	17	13	V	0.08	3.8	4.92	268
180970078	2012	6	17	14	V	0.06	2.8	4.78	259
180970078	2012	6	17	15	V	0.2	2.2	5.26	239
180970078	2012	6	17	16	V	0.05	2.2	5.92	250
180970078	2012	6	17	17	V	0.04	2.6	6.04	242
180970078	2012	6	17	18	V	0.06	3.8	6.09	235
180970078	2012	6	17	19	V	2.7	2.5	6.3	228
180970078	2012	6	17	20	V	31.9	2.9	4.99	215
180970078	2012	6	17	21	V	12.4	5.4	4.15	206
180970078	2012	6	17	22	V	0.8	13.4	4.56	200
180970078	2012	6	17	23	V	0.04	11.2	3.8	192
180970078	2012	6	17	24	V	0.04	7.9	3.86	186
180970078	2012	6	18	1	V	0.04	3.7	3.69	194
180970078	2012	6	18	2	V	15.0	3.1	4.02	208
180970078	2012	6	18	3	V	29.5	8.1	3.35	211
180970078	2012	6	18	4	V	27.2	10.8	3.71	213
180970078	2012	6	18	5	V	11.4	13.9	4.32	221
180970078	2012	6	18	6	V	18.6	17.3	4.34	211
180970078	2012	6	18	7	V	19.7	27.5	4.66	214
180970078	2012	6	18	8	V	4.5	21.5	6.6	223
180970078	2012	6	18	9	V	1.9	7.1	8.08	226
180970078	2012	6	18	10	V	3.1	8	8.78	221
180970078	2012	6	18	11	V	2.5	6.5	8.03	223
180970078	2012	6	18	12	V	3.5	11.6	7.72	219
180970078	2012	6	18	13	V	3.6	11.9	7.98	209
180970078	2012	6	18	14	V	3.5	11.1	8.47	209
180970078	2012	6	18	15	V	4.7	7.6	9	210
180970078	2012	6	18	16	V	4.5	5	9.12	216
180970078	2012	6	18	17	V	5.4	7.6	9.71	212
180970078	2012	6	18	18	V	5.4	5.3	9.27	209
180970078	2012	6	18	19	V	2.4	6.3	9.1	200
180970078	2012	6	18	20	V	5.9	2.8	8.32	203
180970078	2012	6	18	21	V	0.04	2.3	5.84	186
180970078	2012	6	18	22	V	0.04	2.1	5.58	182
180970078	2012	6	18	23	V	0.04	2.6	4.53	185
180970078	2012	6	18	24	V	0.04	3	3.85	188
180970078	2012	6	19	1	V	0.04	3.5	3.61	191
180970078	2012	6	19	2	V	0.04	4	3.95	196
180970078	2012	6	19	3	V	0.09	14.2	4.02	198
180970078	2012	6	19	4	V	0.1	15.1	4.19	198
180970078	2012	6	19	5	V	0.5	10.6	2.96	188
180970078	2012	6	19	6	V	0.3	7.2	3.3	177
180970078	2012	6	19	7	V	0.4	6.7	3.69	187
180970078	2012	6	19	8	V	14.0	35.5	5.7	212
180970078	2012	6	19	9	V	2.1	16.1	6.89	227
180970078	2012	6	19	10	V	1.2	5.3	8.1	228

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	19	11	V	0.4	3.4	8.23	234
180970078	2012	6	19	12	V	1.6	2.9	7.16	227
180970078	2012	6	19	13	V	3.5	4.5	6.6	208
180970078	2012	6	19	14	V	1.0	10.4	6.77	198
180970078	2012	6	19	15	V	0.06	3.5	7.76	192
180970078	2012	6	19	16	V	0.1	2.4	7.4	193
180970078	2012	6	19	17	V	0.04	2.3	7.98	192
180970078	2012	6	19	18	V	0.01	3.2	7.91	193
180970078	2012	6	19	19	V	0.04	2	7.45	185
180970078	2012	6	19	20	V	0.04	2.5	5.95	183
180970078	2012	6	19	21	V	0.05	2.4	4.15	170
180970078	2012	6	19	22	V	0.05	2.2	4.73	168
180970078	2012	6	19	23	V	0.04	2.2	5.02	169
180970078	2012	6	19	24	V	0.04	2.1	5.04	174
180970078	2012	6	20	1	V	0.04	2	4.85	176
180970078	2012	6	20	2	V	0.04	1.9	4.9	177
180970078	2012	6	20	3	V	0.04	1.9	4.41	175
180970078	2012	6	20	4	V	0.04	1.9	3.88	190
180970078	2012	6	20	5	V	1.1	2	2.55	190
180970078	2012	6	20	6	V	0.7	2.1	2.5	165
180970078	2012	6	20	7	V	0.5	2.8	2.83	176
180970078	2012	6	20	8	V	1.2	19.8	3.44	189
180970078	2012	6	20	9	V	6.3	45.3	4.97	208
180970078	2012	6	20	10	V	5.1	26.8	5.67	211
180970078	2012	6	20	11	V	3.6	10.7	6.8	219
180970078	2012	6	20	12	V	3.4	7.8	7.06	218
180970078	2012	6	20	13	V	3.5	10.4	6.29	215
180970078	2012	6	20	14	V	3.3	10	6.6	209
180970078	2012	6	20	15	V	3.9	8.3	7.13	211
180970078	2012	6	20	16	V	4.2	6.3	7.03	217
180970078	2012	6	20	17	V	0.5	8.5	6.55	197
180970078	2012	6	20	18	V	0.06	5.8	7.08	196
180970078	2012	6	20	19	V	0.04	2.2	6.57	190
180970078	2012	6	20	20	V	0.04	3.2	5.68	181
180970078	2012	6	20	21	V	0.05	2.8	4.48	177
180970078	2012	6	20	22	V	0.04	2.3	4.66	178
180970078	2012	6	20	23	V	0.04	2.2	4.78	176
180970078	2012	6	20	24	V	0.04	2	5.33	180
180970078	2012	6	21	1	V	0.04	1.9	4.82	187
180970078	2012	6	21	2	V	16.0	7.1	3.05	220
180970078	2012	6	21	3	V	52.2	9.6	3.06	213
180970078	2012	6	21	4	V	1.4	15	3.78	202
180970078	2012	6	21	5	V	1.3	12.8	3.63	195
180970078	2012	6	21	6	V	17.7	13	3.76	205
180970078	2012	6	21	7	V	15.1	21	4.46	210
180970078	2012	6	21	8	V	6.0	26.1	5.56	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	21	9	V	1.4	6.7	6.36	230
180970078	2012	6	21	10	V	0.6	3.6	7.06	233
180970078	2012	6	21	11	V	1.0	3.4	8.66	229
180970078	2012	6	21	12	V	0.5	2.4	8.01	233
180970078	2012	6	21	13	V	1.4	3.8	7.01	228
180970078	2012	6	21	14	V	1.2	2.1	7.14	229
180970078	2012	6	21	15	V	1.1	2.8	7.52	229
180970078	2012	6	21	16	V	4.8	4.2	7.37	212
180970078	2012	6	21	17	V	0.8	2.8	8.59	229
180970078	2012	6	21	18	V	0.05	2.9	7.89	307
180970078	2012	6	21	19	V	0.05	1.9	4.83	316
180970078	2012	6	21	20	V	0.05	1.7	3.74	304
180970078	2012	6	21	21	V	0.06	1.7	4.14	299
180970078	2012	6	21	22	V	0.05	1.7	4.03	307
180970078	2012	6	21	23	V	0.06	1.6	3.39	330
180970078	2012	6	21	24	V	0.05	1.6	2.74	340
180970078	2012	6	22	1	V	0.1	1.6	1.96	305
180970078	2012	6	22	2	V	0.06	1.6	2.2	313
180970078	2012	6	22	3	V	0.07	1.6	2.01	308
180970078	2012	6	22	4	V	0.08	1.5	1.87	303
180970078	2012	6	22	5	V	0.3	1.5	1.62	290
180970078	2012	6	22	6	V	0.7	1.6	1.59	273
180970078	2012	6	22	7	V	1.0	1.5	1.79	260
180970078	2012	6	22	8	V	0.3	1.8	2.76	322
180970078	2012	6	22	9	V	0.6	2.5	2.2	351
180970078	2012	6	22	10	V	0.6	3.5	2.28	349
180970078	2012	6	22	11	V	0.4	2.6	2.78	328
180970078	2012	6	22	12	V	0.2	2.2	3.39	277
180970078	2012	6	22	13	V	0.1	1.9	3.73	295
180970078	2012	6	22	14	V	0.07	1.8	4.66	308
180970078	2012	6	22	15	V	0.05	1.8	4.92	328
180970078	2012	6	22	16	V	0.04	1.6	5.39	321
180970078	2012	6	22	17	V	0.03	1.6	5.19	320
180970078	2012	6	22	18	V	0.02	1.6	5.28	321
180970078	2012	6	22	19	V	0.04	1.6	5.11	324
180970078	2012	6	22	20	V	0.04	2.3	5.94	329
180970078	2012	6	22	21	V	0.04	3.2	3.91	333
180970078	2012	6	22	22	V	0.04	-999	3.8	339
180970078	2012	6	22	23	V	0.04	-999	3.59	337
180970078	2012	6	22	24	V	0.05	1.9	2.71	353
180970078	2012	6	23	1	V	0.1	1.7	1.76	9
180970078	2012	6	23	2	V	0.2	1.7	1.45	319
180970078	2012	6	23	3	V	0.1	1.6	1.67	359
180970078	2012	6	23	4	V	0.1	1.6	1.74	354
180970078	2012	6	23	5	V	0.4	1.6	2.08	23
180970078	2012	6	23	6	V	0.9	1.6	1.48	360

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	23	7	V	0.2	1.8	2.79	37
180970078	2012	6	23	8	V	0.2	2	2.72	36
180970078	2012	6	23	9	V	1.3	2.1	1.6	37
180970078	2012	6	23	10	V	0.6	1.9	2.25	44
180970078	2012	6	23	11	V	0.1	1.9	3.22	22
180970078	2012	6	23	12	V	0.3	1.8	2.59	17
180970078	2012	6	23	13	V	0.3	1.8	2.06	359
180970078	2012	6	23	14	V	0.2	1.8	2.49	334
180970078	2012	6	23	15	V	0.1	1.7	2.89	358
180970078	2012	6	23	16	V	0.2	1.7	2.44	22
180970078	2012	6	23	17	V	0.1	1.7	2.69	87
180970078	2012	6	23	18	V	0.04	1.7	2.56	93
180970078	2012	6	23	19	V	0.06	1.7	3.46	121
180970078	2012	6	23	20	V	0.07	1.6	2.22	125
180970078	2012	6	23	21	V	0.06	1.7	2.45	93
180970078	2012	6	23	22	V	0.06	1.7	3.49	26
180970078	2012	6	23	23	V	0.06	1.7	3.25	50
180970078	2012	6	23	24	V	0.06	1.7	2.42	48
180970078	2012	6	24	1	V	0.05	1.6	3.32	40
180970078	2012	6	24	2	V	0.05	1.7	2.4	67
180970078	2012	6	24	3	V	0.05	1.8	2.37	88
180970078	2012	6	24	4	V	0.2	1.7	1.26	63
180970078	2012	6	24	5	V	1.9	1.7	0.91	69
180970078	2012	6	24	6	V	0.5	1.7	2.01	110
180970078	2012	6	24	7	V	1.0	1.7	1.65	115
180970078	2012	6	24	8	V	0.2	3.5	3.35	141
180970078	2012	6	24	9	V	0.1	8	3.97	169
180970078	2012	6	24	10	V	2.5	9.7	3	195
180970078	2012	6	24	11	V	4.5	43.8	2.84	223
180970078	2012	6	24	12	V	0.2	5.4	2.76	277
180970078	2012	6	24	13	V	0.1	3.9	3.39	273
180970078	2012	6	24	14	V	0.06	3.4	4.09	269
180970078	2012	6	24	15	V	0.1	2.7	2.81	272
180970078	2012	6	24	16	V	0.06	2.6	3.39	279
180970078	2012	6	24	17	V	0.2	2.6	2.39	348
180970078	2012	6	24	18	V	0.05	2.6	2.91	307
180970078	2012	6	24	19	V	0.05	3	3.34	288
180970078	2012	6	24	20	V	0.05	3.6	2.86	296
180970078	2012	6	24	21	V	0.05	3.4	2.91	278
180970078	2012	6	24	22	V	0.08	2.7	2.23	285
180970078	2012	6	24	23	V	0.07	2.4	2.25	318
180970078	2012	6	24	24	V	0.06	2.4	2.44	324
180970078	2012	6	25	1	V	0.08	2.3	2.04	290
180970078	2012	6	25	2	V	0.09	2.2	2.01	260
180970078	2012	6	25	3	V	0.06	2.1	2.45	305
180970078	2012	6	25	4	V	0.06	2.5	3.68	358

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	25	5	V	0.05	2.4	5.19	22
180970078	2012	6	25	6	V	0.03	2.2	5.97	26
180970078	2012	6	25	7	V	0.03	2.4	6.47	26
180970078	2012	6	25	8	V	0.03	2.4	6.77	34
180970078	2012	6	25	9	V	0.04	2.3	6.92	31
180970078	2012	6	25	10	V	0.04	2.1	6.94	24
180970078	2012	6	25	11	V	0.04	1.9	6.6	32
180970078	2012	6	25	12	V	0.03	1.8	7.09	25
180970078	2012	6	25	13	V	0.03	1.6	6.96	34
180970078	2012	6	25	14	V	0.02	1.6	7.08	29
180970078	2012	6	25	15	V	0.02	1.6	7.25	22
180970078	2012	6	25	16	V	0.02	1.7	7.11	20
180970078	2012	6	25	17	V	0.02	1.6	6.75	19
180970078	2012	6	25	18	V	0.06	1.7	6.8	21
180970078	2012	6	25	19	V	0.04	1.7	6.69	18
180970078	2012	6	25	20	V	0.04	1.6	5.92	35
180970078	2012	6	25	21	V	0.04	2.2	4.61	48
180970078	2012	6	25	22	V	0.04	2.3	4.37	37
180970078	2012	6	25	23	V	0.04	1.7	4.24	40
180970078	2012	6	25	24	V	0.04	1.5	4.29	42
180970078	2012	6	26	1	V	0.04	1.7	5.36	72
180970078	2012	6	26	2	V	0.03	1.8	5.14	80
180970078	2012	6	26	3	V	0.03	1.9	4.78	85
180970078	2012	6	26	4	V	0.03	2	4.9	92
180970078	2012	6	26	5	V	0.1	2	3.66	91
180970078	2012	6	26	6	V	0.4	1.7	2.44	88
180970078	2012	6	26	7	V	0.3	2	3.27	90
180970078	2012	6	26	8	V	0.09	2	5.02	92
180970078	2012	6	26	9	V	0.06	2.3	5.51	92
180970078	2012	6	26	10	V	0.05	1.8	5.99	72
180970078	2012	6	26	11	V	0.04	1.7	6.28	64
180970078	2012	6	26	12	V	0.09	1.9	4.58	62
180970078	2012	6	26	13	V	0.09	2	4.29	60
180970078	2012	6	26	14	V	0.08	2.2	4.41	38
180970078	2012	6	26	15	V	0.09	2.3	4.15	51
180970078	2012	6	26	16	V	0.08	2.2	3.98	58
180970078	2012	6	26	17	V	0.05	2.2	4.1	40
180970078	2012	6	26	18	V	0.02	2	4.02	70
180970078	2012	6	26	19	V	0.04	1.9	4.58	88
180970078	2012	6	26	20	V	0.04	1.8	4.24	97
180970078	2012	6	26	21	V	0.04	1.9	3.61	96
180970078	2012	6	26	22	V	0.04	1.9	3.29	91
180970078	2012	6	26	23	V	0.06	2	2.67	90
180970078	2012	6	26	24	V	0.07	2.1	2.42	94
180970078	2012	6	27	1	V	0.05	2.1	2.55	112
180970078	2012	6	27	2	V	0.07	1.9	2.01	124

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	27	3	V	0.08	1.9	1.94	134
180970078	2012	6	27	4	V	0.03	1.9	2.88	143
180970078	2012	6	27	5	V	0.2	1.8	2.33	152
180970078	2012	6	27	6	V	1.7	1.8	1.42	176
180970078	2012	6	27	7	V	0.4	2.4	2.72	159
180970078	2012	6	27	8	V	0.1	4.1	4.2	169
180970078	2012	6	27	9	V	0.2	2.9	3.86	180
180970078	2012	6	27	10	V	0.1	3.8	4.53	176
180970078	2012	6	27	11	V	0.2	4.4	4.09	176
180970078	2012	6	27	12	V	0.1	2.7	4.58	177
180970078	2012	6	27	13	V	1.3	2.1	4.49	193
180970078	2012	6	27	14	V	1.6	2	4.97	196
180970078	2012	6	27	15	V	0.4	2.3	4.53	188
180970078	2012	6	27	16	V	6.4	13.6	4.76	211
180970078	2012	6	27	17	V	3.2	24.4	5.19	203
180970078	2012	6	27	18	V	4.5	21.8	5.14	206
180970078	2012	6	27	19	V	27.9	29.9	6.21	210
180970078	2012	6	27	20	V	37.1	11.9	5.12	213
180970078	2012	6	27	21	V	0.04	2.8	3.74	188
180970078	2012	6	27	22	V	0.04	2.5	3.37	180
180970078	2012	6	27	23	V	0.04	2.4	3.47	184
180970078	2012	6	27	24	V	0.04	2.6	3.69	178
180970078	2012	6	28	1	V	0.03	3.1	3.13	166
180970078	2012	6	28	2	V	0.04	4.6	3.2	178
180970078	2012	6	28	3	V	0.04	8.6	3.27	195
180970078	2012	6	28	4	V	37.9	26.6	4.32	213
180970078	2012	6	28	5	V	19.1	27.8	3.98	219
180970078	2012	6	28	6	V	0.2	10.7	6.14	235
180970078	2012	6	28	7	V	0.4	6.3	5.09	237
180970078	2012	6	28	8	V	0.07	7.3	6.52	244
180970078	2012	6	28	9	V	0.06	8.4	7.14	248
180970078	2012	6	28	10	V	0.06	9.4	6.52	255
180970078	2012	6	28	11	V	0.09	7.5	5.45	262
180970078	2012	6	28	12	V	0.08	4.3	5.77	254
180970078	2012	6	28	13	V	0.07	3.3	6.58	249
180970078	2012	6	28	14	V	0.05	3.2	7.79	250
180970078	2012	6	28	15	V	0.09	6.5	8.32	238
180970078	2012	6	28	16	V	0.2	9.2	8.32	234
180970078	2012	6	28	17	V	0.2	4.8	8.4	234
180970078	2012	6	28	18	V	0.02	3.3	9.17	237
180970078	2012	6	28	19	V	0.1	2.9	8.71	241
180970078	2012	6	28	20	V	0.2	3.2	6.86	252
180970078	2012	6	28	21	V	0.04	3.4	4.87	277
180970078	2012	6	28	22	V	0.05	2.9	3.85	283
180970078	2012	6	28	23	V	0.05	3.3	3.69	293
180970078	2012	6	28	24	V	0.3	3.3	3.88	253

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	29	1	V	0.3	2.9	3.61	244
180970078	2012	6	29	2	V	0.3	2.9	3.29	244
180970078	2012	6	29	3	V	0.08	2.7	3.12	240
180970078	2012	6	29	4	V	0.08	2.4	2.59	256
180970078	2012	6	29	5	V	0.5	2.4	2.23	264
180970078	2012	6	29	6	V	0.7	2.6	2.67	258
180970078	2012	6	29	7	V	1.0	3.3	2.37	250
180970078	2012	6	29	8	V	1.5	3.8	3.25	239
180970078	2012	6	29	9	V	0.9	3.2	1.93	289
180970078	2012	6	29	10	V	1.3	2.8	1.67	247
180970078	2012	6	29	11	V	1.3	2.2	2.74	241
180970078	2012	6	29	12	V	0.2	1.9	3.59	272
180970078	2012	6	29	13	V	0.06	1.9	5.21	262
180970078	2012	6	29	14	V	0.03	2.1	6.41	262
180970078	2012	6	29	15	V	0.02	2.4	7.45	263
180970078	2012	6	29	16	V	0.01	2	9.49	5
180970078	2012	6	29	17	V	0.09	1.8	2.67	9
180970078	2012	6	29	18	V	3.3	1.9	1.2	199
180970078	2012	6	29	19	V	10.0	1.8	0.8	232
180970078	2012	6	29	20	V	0.2	2.2	1.74	194
180970078	2012	6	29	21	V	0.07	1.8	2.3	88
180970078	2012	6	29	22	V	0.05	-999	2.78	58
180970078	2012	6	29	23	V	0.04	-999	3.07	115
180970078	2012	6	29	24	V	0.04	1.8	3.12	116
180970078	2012	6	30	1	V	0.03	1.8	3.18	125
180970078	2012	6	30	2	V	0.03	1.8	3.2	136
180970078	2012	6	30	3	V	0.04	2	2.64	133
180970078	2012	6	30	4	V	0.04	2.1	8.17	6
180970078	2012	6	30	5	V	0.02	1.8	6.99	41
180970078	2012	6	30	6	V	0.07	1.7	4.65	65
180970078	2012	6	30	7	V	0.2	1.7	3.9	111
180970078	2012	6	30	8	V	0.2	1.8	3.98	130
180970078	2012	6	30	9	V	0.6	1.7	2.71	137
180970078	2012	6	30	10	V	0.7	1.8	2.59	124
180970078	2012	6	30	11	V	0.4	1.9	2.72	167
180970078	2012	6	30	12	V	1.2	2.6	2.03	176
180970078	2012	6	30	13	V	0.2	4.5	3.12	286
180970078	2012	6	30	14	V	0.07	5.5	4.56	311
180970078	2012	6	30	15	V	0.06	2.7	3.93	289
180970078	2012	6	30	16	V	0.02	2.5	6.4	306
180970078	2012	6	30	17	V	0.03	1.8	4.27	334
180970078	2012	6	30	18	V	4.9	1.9	2.2	223
180970078	2012	6	30	19	V	0.06	1.9	4.61	350
180970078	2012	6	30	20	V	0.06	2	3.69	360
180970078	2012	6	30	21	V	0.06	2.2	4.17	348
180970078	2012	6	30	22	V	0.08	2	1.99	1

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	6	30	23	V	0.4	2	1.09	346
180970078	2012	6	30	24	V	0.08	2.1	2.06	49
180970078	2012	7	1	1	V	0.09	2.1	2.03	126
180970078	2012	7	1	2	V	0.1	2	1.72	181
180970078	2012	7	1	3	V	0.7	2.1	0.94	3
180970078	2012	7	1	4	V	16.2	2.2	2.16	221
180970078	2012	7	1	5	V	0.2	2.2	2.88	175
180970078	2012	7	1	6	V	0.3	2.1	2.78	81
180970078	2012	7	1	7	V	0.4	1.9	2.96	100
180970078	2012	7	1	8	V	0.4	1.8	2.84	134
180970078	2012	7	1	9	V	0.4	1.8	2.61	169
180970078	2012	7	1	10	V	0.3	1.9	2.33	160
180970078	2012	7	1	11	V	0.6	1.8	1.54	159
180970078	2012	7	1	12	V	1.1	10.3	1.84	180
180970078	2012	7	1	13	V	1.3	18.7	3	189
180970078	2012	7	1	14	V	3.9	17.1	2.37	203
180970078	2012	7	1	15	V	0.4	15.2	1.81	268
180970078	2012	7	1	16	V	0.04	8	4.2	343
180970078	2012	7	1	17	V	0.01	3.7	9.85	16
180970078	2012	7	1	18	V	0.01	2.1	6.38	38
180970078	2012	7	1	19	V	0.05	1.9	3.69	73
180970078	2012	7	1	20	V	0.06	1.7	3.93	123
180970078	2012	7	1	21	V	0.06	1.7	3.83	171
180970078	2012	7	1	22	V	29.2	1.9	0.89	205
180970078	2012	7	1	23	V	0.8	1.9	0.82	29
180970078	2012	7	1	24	V	4.6	2	1.16	230
180970078	2012	7	2	1	V	0.5	2.1	1.08	318
180970078	2012	7	2	2	V	0.2	1.9	1.53	158
180970078	2012	7	2	3	V	0.2	2	1.4	34
180970078	2012	7	2	4	V	0.07	2.1	2.01	79
180970078	2012	7	2	5	V	0.3	2.1	2.33	157
180970078	2012	7	2	6	V	0.5	1.9	2.35	149
180970078	2012	7	2	7	V	0.5	1.9	2.38	150
180970078	2012	7	2	8	V	0.5	2	2.3	177
180970078	2012	7	2	9	V	2.4	3	2.22	189
180970078	2012	7	2	10	V	2.2	4.2	2.06	190
180970078	2012	7	2	11	V	1.2	4.1	2.57	183
180970078	2012	7	2	12	V	0.8	4.6	2.32	176
180970078	2012	7	2	13	V	1.9	6.2	2.32	197
180970078	2012	7	2	14	V	0.1	8.8	3.05	289
180970078	2012	7	2	15	V	0.1	4	2.88	276
180970078	2012	7	2	16	V	0.2	2.5	2.64	288
180970078	2012	7	2	17	V	0.06	2.3	3.64	310
180970078	2012	7	2	18	V	0.1	2.1	1.76	347
180970078	2012	7	2	19	V	0.05	2.2	3.32	339
180970078	2012	7	2	20	V	0.06	2.2	3.59	1

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	2	21	V	0.06	2.1	2.52	357
180970078	2012	7	2	22	V	0.06	1.9	3.71	294
180970078	2012	7	2	23	V	0.05	2	3.86	307
180970078	2012	7	2	24	V	0.2	2.2	1.37	296
180970078	2012	7	3	1	V	0.3	2.1	5.05	246
180970078	2012	7	3	2	V	0.3	2.4	4.68	252
180970078	2012	7	3	3	V	0.3	3	3.75	251
180970078	2012	7	3	4	V	0.1	3.6	2.83	255
180970078	2012	7	3	5	V	1.1	3.4	1.79	247
180970078	2012	7	3	6	V	1.1	2.8	1.81	177
180970078	2012	7	3	7	V	1.9	4.5	3.01	189
180970078	2012	7	3	8	V	11.1	12.4	4.09	222
180970078	2012	7	3	9	V	1.4	8.3	4.75	233
180970078	2012	7	3	10	V	0.8	5.6	5.04	236
180970078	2012	7	3	11	V	0.2	4.1	3.78	254
180970078	2012	7	3	12	V	0.4	3.5	2.42	290
180970078	2012	7	3	13	V	1.0	9.9	2.69	186
180970078	2012	7	3	14	V	2.3	24.9	3.88	219
180970078	2012	7	3	15	V	2.2	14.4	4	222
180970078	2012	7	3	16	V	0.04	12.5	5.26	260
180970078	2012	7	3	17	V	0.2	3.8	4.87	243
180970078	2012	7	3	18	V	0.04	2.5	5.28	247
180970078	2012	7	3	19	V	0.2	2.4	5.38	243
180970078	2012	7	3	20	V	0.3	2.7	4.87	251
180970078	2012	7	3	21	V	0.07	2.6	2.89	238
180970078	2012	7	3	22	V	0.2	2.8	1.99	243
180970078	2012	7	3	23	V	18.9	2.9	2.68	220
180970078	2012	7	3	24	V	13.3	3.8	3.86	221
180970078	2012	7	4	1	V	0.5	4.6	2.36	246
180970078	2012	7	4	2	V	0.3	3.9	3.86	233
180970078	2012	7	4	3	V	0.2	7.2	4.86	234
180970078	2012	7	4	4	V	0.2	7.6	4.36	242
180970078	2012	7	4	5	V	0.6	3.7	3.36	237
180970078	2012	7	4	6	V	0.6	3.3	2.86	246
180970078	2012	7	4	7	V	5.5	3.5	2.86	233
180970078	2012	7	4	8	M	-999	3.3	1.76	999
180970078	2012	7	4	9	V	0.7	3.1	2.11	260
180970078	2012	7	4	10	V	0.4	3.1	2.69	261
180970078	2012	7	4	11	V	0.2	3	3.37	267
180970078	2012	7	4	12	V	0.3	2.7	3.59	254
180970078	2012	7	4	13	V	0.08	2.3	4.17	271
180970078	2012	7	4	14	V	0.08	2.4	4.07	268
180970078	2012	7	4	15	V	0.06	2.1	4.42	284
180970078	2012	7	4	16	V	0.04	2	4.75	293
180970078	2012	7	4	17	V	0.04	2	4.51	310
180970078	2012	7	4	18	V	0.02	1.9	4.83	295

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	4	19	V	0.04	2	4.76	306
180970078	2012	7	4	20	V	0.04	2.1	4.05	302
180970078	2012	7	4	21	V	0.05	2.1	2.84	309
180970078	2012	7	4	22	V	0.1	2.4	1.82	301
180970078	2012	7	4	23	V	0.09	3.2	2.11	297
180970078	2012	7	4	24	V	0.2	3.2	1.76	272
180970078	2012	7	5	1	V	0.1	3.1	1.91	237
180970078	2012	7	5	2	V	2.0	2.8	2.95	204
180970078	2012	7	5	3	V	18.7	3.2	2.5	220
180970078	2012	7	5	4	V	0.3	4.7	1.86	244
180970078	2012	7	5	5	V	20.3	4.1	2.21	222
180970078	2012	7	5	6	V	0.6	3.4	2.66	260
180970078	2012	7	5	7	V	0.5	4	2.64	256
180970078	2012	7	5	8	V	0.3	4.2	3.18	256
180970078	2012	7	5	9	V	0.1	4.2	3.59	277
180970078	2012	7	5	10	V	0.2	4.1	2.83	293
180970078	2012	7	5	11	V	0.07	3.4	3.95	281
180970078	2012	7	5	12	V	0.05	2.6	4.46	297
180970078	2012	7	5	13	V	0.06	2.9	4.22	298
180970078	2012	7	5	14	V	0.06	3.1	4.2	301
180970078	2012	7	5	15	V	0.03	2.6	5.29	300
180970078	2012	7	5	16	V	0.03	2.4	5.33	290
180970078	2012	7	5	17	V	0.03	2.4	5.14	302
180970078	2012	7	5	18	V	0.02	2.4	5.29	335
180970078	2012	7	5	19	V	0.04	2.4	5.85	323
180970078	2012	7	5	20	V	0.05	2.5	4.02	320
180970078	2012	7	5	21	V	0.06	2.3	2.76	336
180970078	2012	7	5	22	V	0.1	2.3	1.82	335
180970078	2012	7	5	23	V	1.7	3	0.7	306
180970078	2012	7	5	24	V	0.1	2.6	1.79	282
180970078	2012	7	6	1	V	0.1	2.6	1.87	282
180970078	2012	7	6	2	V	1.1	2.4	0.82	272
180970078	2012	7	6	3	V	0.6	2.8	0.99	155
180970078	2012	7	6	4	V	0.09	2.7	1.96	356
180970078	2012	7	6	5	V	0.7	2.8	1.67	134
180970078	2012	7	6	6	V	1.3	2.9	2.03	250
180970078	2012	7	6	7	V	1.3	3	1.71	268
180970078	2012	7	6	8	V	1.8	4.1	0.99	321
180970078	2012	7	6	9	V	1.3	3.6	1.21	339
180970078	2012	7	6	10	V	1.1	2.6	1.3	315
180970078	2012	7	6	11	V	0.5	2.3	2.21	286
180970078	2012	7	6	12	V	0.3	2.3	2.56	276
180970078	2012	7	6	13	V	0.2	2.3	3.05	282
180970078	2012	7	6	14	V	0.1	2.4	3.47	303
180970078	2012	7	6	15	V	0.07	2.4	3.93	336
180970078	2012	7	6	16	V	0.07	2.3	3.86	300

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	6	17	V	0.04	2.2	4.22	315
180970078	2012	7	6	18	V	0.03	2.2	3.64	336
180970078	2012	7	6	19	V	0.05	2.1	3.17	304
180970078	2012	7	6	20	V	0.04	2.1	4.36	327
180970078	2012	7	6	21	V	0.05	2.2	3.17	340
180970078	2012	7	6	22	V	0.06	-999	2.49	1
180970078	2012	7	6	23	V	0.09	-999	2.08	334
180970078	2012	7	6	24	V	0.2	1.8	1.55	141
180970078	2012	7	7	1	V	8.7	1.9	0.58	230
180970078	2012	7	7	2	V	0.4	1.9	1.11	272
180970078	2012	7	7	3	V	0.6	2	1.67	233
180970078	2012	7	7	4	V	0.2	1.9	1.69	294
180970078	2012	7	7	5	V	0.8	2	1.67	300
180970078	2012	7	7	6	V	3.8	2	0.89	302
180970078	2012	7	7	7	V	4.5	2	0.94	317
180970078	2012	7	7	8	V	2.8	1.8	0.52	9
180970078	2012	7	7	9	V	1.4	2.1	0.84	360
180970078	2012	7	7	10	V	0.5	2.4	1.98	269
180970078	2012	7	7	11	V	0.1	2.3	3.15	283
180970078	2012	7	7	12	V	0.07	2.2	4.29	273
180970078	2012	7	7	13	V	0.07	2.2	4.14	282
180970078	2012	7	7	14	V	0.05	2.3	4.8	329
180970078	2012	7	7	15	V	0.04	2.2	4.43	339
180970078	2012	7	7	16	V	0.04	2.3	4.49	325
180970078	2012	7	7	17	V	0.03	2.5	5.14	319
180970078	2012	7	7	18	V	0.03	2.5	4.37	316
180970078	2012	7	7	19	V	0.05	2.4	4.42	340
180970078	2012	7	7	20	V	0.06	2.4	4.26	347
180970078	2012	7	7	21	V	0.06	2.4	3.54	35
180970078	2012	7	7	22	V	0.08	2	2.11	130
180970078	2012	7	7	23	V	1.4	2	0.67	274
180970078	2012	7	7	24	V	0.4	2.1	1.45	244
180970078	2012	7	8	1	V	0.1	2.1	3.01	238
180970078	2012	7	8	2	V	0.04	4.3	2.86	313
180970078	2012	7	8	3	V	0.04	3.6	3.85	353
180970078	2012	7	8	4	V	0.04	2.2	3.22	1
180970078	2012	7	8	5	V	0.3	2.1	3.13	1
180970078	2012	7	8	6	V	0.2	2.1	4.2	24
180970078	2012	7	8	7	V	0.3	2	3.56	26
180970078	2012	7	8	8	V	0.3	1.9	3.27	29
180970078	2012	7	8	9	V	0.5	2.1	2.57	34
180970078	2012	7	8	10	V	0.4	2.1	2.88	36
180970078	2012	7	8	11	V	0.08	2.2	5.12	24
180970078	2012	7	8	12	V	0.08	3.6	4.48	36
180970078	2012	7	8	13	V	0.05	3.7	5.48	19
180970078	2012	7	8	14	V	0.02	2.8	6.97	18

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	8	15	V	0.01	2.7	7.79	360
180970078	2012	7	8	16	V	0.03	2.2	5.39	9
180970078	2012	7	8	17	V	0.05	2.1	4.1	14
180970078	2012	7	8	18	V	0.02	2	4.27	5
180970078	2012	7	8	19	V	0.05	2.2	5.04	17
180970078	2012	7	8	20	V	0.05	2.5	4.41	29
180970078	2012	7	8	21	V	0.05	2.4	3.27	11
180970078	2012	7	8	22	V	0.06	2.1	2.4	325
180970078	2012	7	8	23	V	0.06	2.1	3.01	334
180970078	2012	7	8	24	V	0.05	1.9	2.62	346
180970078	2012	7	9	1	V	0.04	1.8	2.86	357
180970078	2012	7	9	2	V	0.06	1.7	2.49	354
180970078	2012	7	9	3	V	0.05	1.7	2.91	10
180970078	2012	7	9	4	V	0.06	1.7	3.76	32
180970078	2012	7	9	5	V	0.1	1.7	3.86	27
180970078	2012	7	9	6	V	0.1	1.8	4.03	32
180970078	2012	7	9	7	V	0.2	2	3.73	44
180970078	2012	7	9	8	V	0.2	2.1	3.81	51
180970078	2012	7	9	9	V	0.1	2.2	4.6	77
180970078	2012	7	9	10	V	0.1	2.6	4.65	97
180970078	2012	7	9	11	V	0.1	2.6	4.34	99
180970078	2012	7	9	12	V	0.1	2.2	4.19	120
180970078	2012	7	9	13	V	0.1	2	3.74	64
180970078	2012	7	9	14	V	0.2	1.9	3.18	86
180970078	2012	7	9	15	V	0.1	1.7	3.13	99
180970078	2012	7	9	16	V	0.1	1.6	3.2	68
180970078	2012	7	9	17	V	0.05	1.7	4.07	43
180970078	2012	7	9	18	V	0.04	1.7	3.24	68
180970078	2012	7	9	19	V	0.05	1.7	3.22	72
180970078	2012	7	9	20	V	0.05	1.7	3.64	32
180970078	2012	7	9	21	V	0.05	1.8	3.61	9
180970078	2012	7	9	22	V	0.04	1.9	3.54	11
180970078	2012	7	9	23	V	0.07	1.9	2.49	35
180970078	2012	7	9	24	V	0.07	2	2.39	38
180970078	2012	7	10	1	V	0.05	2	2.76	23
180970078	2012	7	10	2	V	0.04	1.9	3.54	32
180970078	2012	7	10	3	V	0.03	1.9	3.74	27
180970078	2012	7	10	4	V	0.03	2	3.05	53
180970078	2012	7	10	5	V	0.2	2	3.05	43
180970078	2012	7	10	6	V	0.2	2	3.52	30
180970078	2012	7	10	7	V	0.3	2.1	3.68	22
180970078	2012	7	10	8	V	0.09	2.5	4.49	34
180970078	2012	7	10	9	V	0.1	2.5	4.03	40
180970078	2012	7	10	10	V	0.04	2.6	5.41	49
180970078	2012	7	10	11	V	0.05	2.2	5.16	61
180970078	2012	7	10	12	V	0.06	2.1	4.78	44

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	10	13	V	0.08	1.9	4.25	41
180970078	2012	7	10	14	V	0.07	1.9	4.22	61
180970078	2012	7	10	15	V	0.1	1.9	3.54	38
180970078	2012	7	10	16	V	0.06	1.9	3.98	26
180970078	2012	7	10	17	V	0.04	2	4.32	36
180970078	2012	7	10	18	V	0.02	2	5.18	17
180970078	2012	7	10	19	V	0.04	2	5.56	23
180970078	2012	7	10	20	V	0.04	2	5.94	14
180970078	2012	7	10	21	V	0.04	2.1	4.51	22
180970078	2012	7	10	22	V	0.04	2.2	3.32	9
180970078	2012	7	10	23	V	0.04	2.3	4.75	4
180970078	2012	7	10	24	V	0.04	2.1	3.46	24
180970078	2012	7	11	1	V	0.04	2.1	4.05	72
180970078	2012	7	11	2	V	0.03	2	4.65	77
180970078	2012	7	11	3	V	0.03	1.9	3.95	73
180970078	2012	7	11	4	V	0.04	1.8	3.64	75
180970078	2012	7	11	5	V	0.2	1.7	3.74	75
180970078	2012	7	11	6	V	0.2	1.7	3.74	67
180970078	2012	7	11	7	V	0.1	1.9	4.37	69
180970078	2012	7	11	8	V	0.09	2.8	5	78
180970078	2012	7	11	9	V	0.08	3.4	5.44	87
180970078	2012	7	11	10	V	0.05	3.8	5.89	86
180970078	2012	7	11	11	V	0.05	3.3	5.27	97
180970078	2012	7	11	12	V	0.07	3	4.6	79
180970078	2012	7	11	13	V	0.08	3.1	4.08	67
180970078	2012	7	11	14	V	0.08	2.9	3.56	90
180970078	2012	7	11	15	V	0.07	2.5	3.63	65
180970078	2012	7	11	16	V	0.08	2.3	3.63	56
180970078	2012	7	11	17	V	0.04	2.1	4.46	44
180970078	2012	7	11	18	V	0.03	1.9	4.22	37
180970078	2012	7	11	19	V	0.05	1.9	4.71	69
180970078	2012	7	11	20	V	0.04	1.8	5.44	74
180970078	2012	7	11	21	V	0.04	1.9	4.92	70
180970078	2012	7	11	22	V	0.04	1.9	5.43	73
180970078	2012	7	11	23	V	0.04	1.8	5.63	72
180970078	2012	7	11	24	V	0.04	1.8	5.04	71
180970078	2012	7	12	1	V	0.03	2	5.38	71
180970078	2012	7	12	2	V	0.03	2.3	5.5	78
180970078	2012	7	12	3	V	0.03	2.4	4.29	88
180970078	2012	7	12	4	V	0.03	2.4	4.27	77
180970078	2012	7	12	5	V	0.06	3.3	4.43	75
180970078	2012	7	12	6	V	0.1	3.9	4	76
180970078	2012	7	12	7	V	0.2	4.2	3.8	81
180970078	2012	7	12	8	V	0.2	5.3	3.61	80
180970078	2012	7	12	9	V	0.2	-999	3.03	72
180970078	2012	7	12	10	V	0.1	-999	3.47	61

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	12	11	V	0.06	4.3	4.46	66
180970078	2012	7	12	12	V	0.07	4.4	4.25	78
180970078	2012	7	12	13	V	0.1	3.9	3.23	85
180970078	2012	7	12	14	V	0.04	2.9	4.78	102
180970078	2012	7	12	15	V	0.04	2.7	4.68	99
180970078	2012	7	12	16	V	0.04	2.6	4.7	77
180970078	2012	7	12	17	V	0.03	2.6	4.82	106
180970078	2012	7	12	18	V	0.01	3.3	6.31	128
180970078	2012	7	12	19	V	0.04	3	6.74	127
180970078	2012	7	12	20	V	0.04	3.3	5.38	133
180970078	2012	7	12	21	V	0.05	6	4.25	146
180970078	2012	7	12	22	V	0.05	6	3.64	145
180970078	2012	7	12	23	V	0.05	3.7	4.49	167
180970078	2012	7	12	24	V	0.04	3	3.76	169
180970078	2012	7	13	1	V	0.04	2.2	3.61	155
180970078	2012	7	13	2	V	0.04	1.9	3.01	148
180970078	2012	7	13	3	V	0.05	1.8	2.76	142
180970078	2012	7	13	4	V	0.04	1.8	2.93	125
180970078	2012	7	13	5	V	0.2	1.7	2.89	122
180970078	2012	7	13	6	V	0.7	1.7	2.44	117
180970078	2012	7	13	7	V	0.6	1.9	2.61	116
180970078	2012	7	13	8	V	0.6	2.1	2.32	131
180970078	2012	7	13	9	V	0.6	2.1	2.23	132
180970078	2012	7	13	10	V	0.3	2	2.83	100
180970078	2012	7	13	11	V	0.1	2.2	3.23	117
180970078	2012	7	13	12	V	0.09	2.8	3.61	111
180970078	2012	7	13	13	V	0.08	2.4	3.95	117
180970078	2012	7	13	14	V	0.06	2.2	4.05	146
180970078	2012	7	13	15	V	0.05	2.2	3.95	148
180970078	2012	7	13	16	V	0.05	2.2	3.93	148
180970078	2012	7	13	17	V	0.04	2.7	3.8	137
180970078	2012	7	13	18	V	0.02	3.5	4.22	125
180970078	2012	7	13	19	V	0.05	3.2	3.71	137
180970078	2012	7	13	20	V	0.05	3.6	4.03	135
180970078	2012	7	13	21	V	0.05	5.3	3.03	131
180970078	2012	7	13	22	V	0.05	-999	3.86	155
180970078	2012	7	13	23	V	0.05	-999	3.97	149
180970078	2012	7	13	24	V	0.04	2.8	3.95	153
180970078	2012	7	14	1	V	0.04	2.8	3.83	147
180970078	2012	7	14	2	V	0.04	2.5	3.76	147
180970078	2012	7	14	3	V	0.04	2.4	3.63	142
180970078	2012	7	14	4	V	0.05	2.1	2.84	145
180970078	2012	7	14	5	V	0.3	2	2.61	143
180970078	2012	7	14	6	V	0.4	2	3.07	137
180970078	2012	7	14	7	V	0.5	2	3.1	148
180970078	2012	7	14	8	V	0.3	3.5	2.67	153

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	14	9	V	0.8	16.7	3.2	192
180970078	2012	7	14	10	V	10.5	13.9	3.71	203
180970078	2012	7	14	11	V	4.2	27.5	4.1	200
180970078	2012	7	14	12	V	0.1	24.7	4.09	187
180970078	2012	7	14	13	V	0.1	10.4	3.27	178
180970078	2012	7	14	14	V	0.09	3.9	3.64	165
180970078	2012	7	14	15	V	0.05	2.7	4.46	156
180970078	2012	7	14	16	V	0.04	2.3	4.36	186
180970078	2012	7	14	17	V	9.2	3	5.6	212
180970078	2012	7	14	18	V	10.3	16.7	4.99	212
180970078	2012	7	14	19	V	3.1	14.7	5.33	201
180970078	2012	7	14	20	V	14.8	6.2	4.9	206
180970078	2012	7	14	21	V	0.06	9.5	5.19	191
180970078	2012	7	14	22	V	0.05	4.8	4.93	176
180970078	2012	7	14	23	V	0.04	3	5.04	189
180970078	2012	7	14	24	V	0.04	2.6	2.84	196
180970078	2012	7	15	1	V	0.04	2.8	2.98	180
180970078	2012	7	15	2	V	0.04	2.7	3.07	184
180970078	2012	7	15	3	V	0.05	2.9	3.12	172
180970078	2012	7	15	4	V	0.04	3.2	2.44	192
180970078	2012	7	15	5	V	2.4	8.9	3.61	199
180970078	2012	7	15	6	V	15.6	9.7	3.59	207
180970078	2012	7	15	7	V	17.5	21.9	3.95	209
180970078	2012	7	15	8	V	1.1	25.7	4.32	235
180970078	2012	7	15	9	V	0.1	7.9	4.6	259
180970078	2012	7	15	10	V	0.2	4.7	4	252
180970078	2012	7	15	11	V	0.1	3.3	4.09	251
180970078	2012	7	15	12	V	0.1	2.7	3.71	252
180970078	2012	7	15	13	V	0.09	2.6	4.31	254
180970078	2012	7	15	14	V	0.05	2.6	4.51	257
180970078	2012	7	15	15	V	0.3	2.2	5.12	239
180970078	2012	7	15	16	V	0.4	2	5.7	235
180970078	2012	7	15	17	V	0.6	2	6.04	232
180970078	2012	7	15	18	V	0.03	1.9	5.94	252
180970078	2012	7	15	19	V	0.04	2	6.24	285
180970078	2012	7	15	20	V	0.05	2.1	3.56	311
180970078	2012	7	15	21	V	0.08	2.2	2.04	284
180970078	2012	7	15	22	V	0.4	2.2	2.89	248
180970078	2012	7	15	23	V	5.3	2.2	4.24	226
180970078	2012	7	15	24	V	0.3	2.4	4.46	245
180970078	2012	7	16	1	V	0.2	2.3	4.15	243
180970078	2012	7	16	2	V	10.8	2.5	3.12	222
180970078	2012	7	16	3	V	4.7	2.5	2.62	225
180970078	2012	7	16	4	V	0.3	2.6	3.08	245
180970078	2012	7	16	5	V	0.3	2.6	2.91	242
180970078	2012	7	16	6	V	0.8	2.3	2.35	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	16	7	V	1.6	2.8	2.96	238
180970078	2012	7	16	8	V	0.4	3.8	3.25	249
180970078	2012	7	16	9	V	0.2	2.9	3.3	260
180970078	2012	7	16	10	V	0.3	3.1	3.57	251
180970078	2012	7	16	11	V	0.2	3.9	3.88	254
180970078	2012	7	16	12	V	0.6	2.9	4.29	240
180970078	2012	7	16	13	V	1.1	2.7	3.69	235
180970078	2012	7	16	14	V	0.2	2.5	3.39	262
180970078	2012	7	16	15	V	0.3	2	3.37	250
180970078	2012	7	16	16	V	0.4	1.9	4.29	242
180970078	2012	7	16	17	V	0.3	1.9	3.78	243
180970078	2012	7	16	18	V	0.04	1.9	5.07	245
180970078	2012	7	16	19	V	0.2	1.9	5.55	243
180970078	2012	7	16	20	V	8.1	2	4.44	224
180970078	2012	7	16	21	V	0.2	2	5.11	235
180970078	2012	7	16	22	V	13.7	2.1	3.76	221
180970078	2012	7	16	23	V	47.1	2.1	3.39	213
180970078	2012	7	16	24	V	19.1	3	3.61	219
180970078	2012	7	17	1	V	39.9	6.9	3.15	215
180970078	2012	7	17	2	V	34.5	24.6	3.66	214
180970078	2012	7	17	3	V	12.0	40.2	4.05	221
180970078	2012	7	17	4	V	0.2	13.9	5.22	235
180970078	2012	7	17	5	V	1.9	5.4	3.61	231
180970078	2012	7	17	6	V	1.5	3.9	2.71	241
180970078	2012	7	17	7	V	28.2	3.8	3.3	218
180970078	2012	7	17	8	V	6.2	10.1	4.34	221
180970078	2012	7	17	9	V	1.0	7.1	3.49	240
180970078	2012	7	17	10	V	2.1	4.3	3.01	230
180970078	2012	7	17	11	V	1.8	3.7	2.98	230
180970078	2012	7	17	12	V	1.2	3.2	3.05	238
180970078	2012	7	17	13	V	1.1	3.4	3.8	235
180970078	2012	7	17	14	V	0.1	2.8	3.76	256
180970078	2012	7	17	15	V	1.5	2.4	3.93	231
180970078	2012	7	17	16	V	0.07	2.3	4.7	250
180970078	2012	7	17	17	V	0.02	2.2	5.8	261
180970078	2012	7	17	18	V	0.01	2.2	8.17	277
180970078	2012	7	17	19	V	0.2	1.9	5.09	245
180970078	2012	7	17	20	V	0.1	2	2.4	240
180970078	2012	7	17	21	V	0.3	2	2.64	244
180970078	2012	7	17	22	V	0.07	2.2	2.91	199
180970078	2012	7	17	23	V	0.05	2.5	3.03	186
180970078	2012	7	17	24	V	0.06	10.4	2.66	175
180970078	2012	7	18	1	V	5.3	11	2.96	205
180970078	2012	7	18	2	V	0.2	9.1	3.2	233
180970078	2012	7	18	3	V	0.09	7.3	3.07	256
180970078	2012	7	18	4	V	0.5	4.8	2.93	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	18	5	V	21.5	3.7	2.45	207
180970078	2012	7	18	6	V	32.8	5	2.84	209
180970078	2012	7	18	7	V	31.6	4.9	2.45	216
180970078	2012	7	18	8	V	2.0	4.3	2.76	238
180970078	2012	7	18	9	V	1.7	4.1	2.55	229
180970078	2012	7	18	10	V	0.7	4.1	2.01	243
180970078	2012	7	18	11	V	0.6	4	2.96	248
180970078	2012	7	18	12	V	0.1	3.3	3.9	254
180970078	2012	7	18	13	V	0.06	2.7	4.7	249
180970078	2012	7	18	14	V	0.02	3	7.71	181
180970078	2012	7	18	15	V	0.05	3.5	4.34	164
180970078	2012	7	18	16	V	0.06	18	3.15	152
180970078	2012	7	18	17	V	0.05	5.3	3.2	151
180970078	2012	7	18	18	V	2.2	3.1	1.62	202
180970078	2012	7	18	19	V	0.06	2.7	3.08	99
180970078	2012	7	18	20	V	0.06	2.4	3.32	121
180970078	2012	7	18	21	V	0.06	2.2	3.93	127
180970078	2012	7	18	22	V	0.06	2.1	3.54	134
180970078	2012	7	18	23	V	0.06	2.1	4.99	152
180970078	2012	7	18	24	V	0.06	2	4.03	185
180970078	2012	7	19	1	V	0.04	2	5.26	174
180970078	2012	7	19	2	V	0.04	2	6.53	161
180970078	2012	7	19	3	V	0.04	2	5.75	174
180970078	2012	7	19	4	V	0.04	2.1	5.12	189
180970078	2012	7	19	5	V	6.1	2	4.48	203
180970078	2012	7	19	6	V	23.8	4	3.15	222
180970078	2012	7	19	7	V	1.4	4.7	1.59	285
180970078	2012	7	19	8	V	2.7	5.5	1.16	116
180970078	2012	7	19	9	V	0.8	5.4	2.04	95
180970078	2012	7	19	10	V	0.1	5	4.29	47
180970078	2012	7	19	11	V	0.08	3.4	4.85	107
180970078	2012	7	19	12	V	0.06	3	5.07	125
180970078	2012	7	19	13	V	0.05	2.8	5.63	126
180970078	2012	7	19	14	V	0.03	2.5	6.04	152
180970078	2012	7	19	15	V	0.03	2.9	5.62	176
180970078	2012	7	19	16	V	0.4	6.8	4.68	192
180970078	2012	7	19	17	V	0.02	11.3	6.06	177
180970078	2012	7	19	18	V	0.01	3.7	5.96	160
180970078	2012	7	19	19	V	0.05	2.3	5.02	184
180970078	2012	7	19	20	V	0.05	2.2	4.09	48
180970078	2012	7	19	21	V	0.06	2.1	2.33	119
180970078	2012	7	19	22	V	0.3	2	1.31	241
180970078	2012	7	19	23	V	0.06	1.9	2.32	275
180970078	2012	7	19	24	V	0.07	1.8	2.4	300
180970078	2012	7	20	1	V	0.04	1.8	3.73	329
180970078	2012	7	20	2	V	0.04	1.8	4.17	353

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	20	3	V	0.04	1.8	4.73	356
180970078	2012	7	20	4	V	0.04	1.7	4.22	349
180970078	2012	7	20	5	V	0.07	1.7	3.74	347
180970078	2012	7	20	6	V	0.2	1.7	3.52	343
180970078	2012	7	20	7	V	0.08	1.7	4.29	344
180970078	2012	7	20	8	V	0.1	1.8	4.17	320
180970078	2012	7	20	9	V	0.05	1.7	5.17	356
180970078	2012	7	20	10	V	0.05	1.7	5.38	16
180970078	2012	7	20	11	V	0.04	1.7	6.09	23
180970078	2012	7	20	12	V	0.04	1.7	5.75	30
180970078	2012	7	20	13	V	0.04	1.8	5.14	34
180970078	2012	7	20	14	V	0.04	1.8	5.84	21
180970078	2012	7	20	15	V	0.02	1.7	5.94	29
180970078	2012	7	20	16	V	0.02	1.7	6.07	38
180970078	2012	7	20	17	V	0.02	1.8	5.56	36
180970078	2012	7	20	18	V	0.06	1.8	6.18	38
180970078	2012	7	20	19	V	0.04	1.9	5.14	45
180970078	2012	7	20	20	V	0.04	2	4.26	45
180970078	2012	7	20	21	V	0.04	2	3.3	43
180970078	2012	7	20	22	V	0.04	-999	2.89	71
180970078	2012	7	20	23	V	0.05	-999	2.81	88
180970078	2012	7	20	24	V	0.06	1.8	2.49	91
180970078	2012	7	21	1	V	0.05	1.8	2.44	95
180970078	2012	7	21	2	V	0.08	1.7	1.94	90
180970078	2012	7	21	3	V	0.1	1.7	1.72	58
180970078	2012	7	21	4	V	0.06	1.7	2.16	344
180970078	2012	7	21	5	V	0.4	1.9	1.64	18
180970078	2012	7	21	6	V	2.0	1.9	1.18	16
180970078	2012	7	21	7	V	0.9	1.9	1.64	348
180970078	2012	7	21	8	V	2.4	2	1.23	51
180970078	2012	7	21	9	V	1.1	2.1	1.69	41
180970078	2012	7	21	10	V	0.5	2	2.5	45
180970078	2012	7	21	11	V	0.2	2.6	3.3	32
180970078	2012	7	21	12	V	0.3	2.4	2.98	42
180970078	2012	7	21	13	V	0.2	2.4	3.44	68
180970078	2012	7	21	14	V	0.2	2.4	2.98	53
180970078	2012	7	21	15	V	0.4	2.5	2.2	38
180970078	2012	7	21	16	V	0.2	2.4	2.79	32
180970078	2012	7	21	17	V	0.08	2.5	2.78	25
180970078	2012	7	21	18	V	0.02	2.4	3.78	34
180970078	2012	7	21	19	V	0.06	2.4	3.46	28
180970078	2012	7	21	20	V	0.06	2.4	3.39	40
180970078	2012	7	21	21	V	0.05	2.3	2.86	45
180970078	2012	7	21	22	V	0.07	2.2	2.25	106
180970078	2012	7	21	23	V	0.2	2.2	1.69	91
180970078	2012	7	21	24	V	0.2	2.2	1.64	100

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	22	1	V	0.4	2	1.18	148
180970078	2012	7	22	2	V	0.05	2.1	2.37	177
180970078	2012	7	22	3	V	0.2	2	1.38	189
180970078	2012	7	22	4	V	0.2	2	1.4	159
180970078	2012	7	22	5	V	0.8	1.9	1.28	132
180970078	2012	7	22	6	V	4.1	1.9	1.6	189
180970078	2012	7	22	7	V	2.3	2	1.42	181
180970078	2012	7	22	8	V	1.8	2.8	1.33	177
180970078	2012	7	22	9	V	6.4	23.2	3.54	223
180970078	2012	7	22	10	V	1.7	13.5	3.91	235
180970078	2012	7	22	11	V	0.3	4.5	3.01	262
180970078	2012	7	22	12	V	3.1	3.1	1.99	232
180970078	2012	7	22	13	V	0.8	3	1.99	299
180970078	2012	7	22	14	V	0.5	2.7	1.96	311
180970078	2012	7	22	15	V	3.6	2.5	2.66	224
180970078	2012	7	22	16	V	4.0	4.2	2.08	207
180970078	2012	7	22	17	V	0.06	7.2	3.32	165
180970078	2012	7	22	18	V	0.02	3.8	4.58	158
180970078	2012	7	22	19	V	0.05	3.2	5.63	151
180970078	2012	7	22	20	V	0.05	3.4	6.04	155
180970078	2012	7	22	21	V	0.05	3.6	4.87	164
180970078	2012	7	22	22	V	0.05	3.6	4.36	176
180970078	2012	7	22	23	V	0.05	3.5	3.42	183
180970078	2012	7	22	24	V	0.04	3.5	3.3	183
180970078	2012	7	23	1	V	0.05	3.4	2.74	192
180970078	2012	7	23	2	V	5.6	3.7	3.13	206
180970078	2012	7	23	3	V	22.8	4.2	2.66	210
180970078	2012	7	23	4	V	0.05	4.3	2.28	193
180970078	2012	7	23	5	V	9.4	6	3.05	204
180970078	2012	7	23	6	V	21.5	5.7	3.01	206
180970078	2012	7	23	7	V	33.7	32.9	3.12	215
180970078	2012	7	23	8	V	2.6	39.3	5.05	229
180970078	2012	7	23	9	V	0.2	12	5.34	237
180970078	2012	7	23	10	V	0.06	5.7	6.84	247
180970078	2012	7	23	11	V	0.03	3.9	8.16	256
180970078	2012	7	23	12	V	0.04	3	7.37	248
180970078	2012	7	23	13	V	0.1	2.8	7.47	240
180970078	2012	7	23	14	V	0.06	2.7	7.25	241
180970078	2012	7	23	15	V	0.03	2.8	7.11	253
180970078	2012	7	23	16	V	0.02	2.8	7.2	260
180970078	2012	7	23	17	V	0.02	2.7	7.89	244
180970078	2012	7	23	18	V	0.02	2.3	7.64	255
180970078	2012	7	23	19	V	0.2	2.3	6.81	251
180970078	2012	7	23	20	V	1.7	2.8	5.58	229
180970078	2012	7	23	21	V	22.0	5.9	5.41	218
180970078	2012	7	23	22	V	8.2	2.8	5.6	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	23	23	V	0.4	2.7	5.75	233
180970078	2012	7	23	24	V	0.3	3.7	6.26	235
180970078	2012	7	24	1	V	0.2	3.8	6.52	237
180970078	2012	7	24	2	V	0.2	3.3	6.65	243
180970078	2012	7	24	3	V	0.1	3.4	7.06	239
180970078	2012	7	24	4	V	0.1	3	6.36	241
180970078	2012	7	24	5	V	0.06	3.3	4.43	277
180970078	2012	7	24	6	V	0.5	3.6	2.96	245
180970078	2012	7	24	7	V	36.6	3.9	3.08	212
180970078	2012	7	24	8	V	31.2	6	3.61	215
180970078	2012	7	24	9	V	27.4	15.5	3.61	219
180970078	2012	7	24	10	V	0.05	12.1	5.55	278
180970078	2012	7	24	11	V	0.02	4.6	7.69	19
180970078	2012	7	24	12	V	0.2	2.6	2.95	87
180970078	2012	7	24	13	V	0.1	2.1	3	82
180970078	2012	7	24	14	V	1.3	1.9	1.79	181
180970078	2012	7	24	15	V	0.3	2	2.67	255
180970078	2012	7	24	16	V	0.05	1.9	3.71	303
180970078	2012	7	24	17	V	0.02	2	5.34	334
180970078	2012	7	24	18	V	0.02	2.3	3.97	329
180970078	2012	7	24	19	V	0.05	2.4	3.95	348
180970078	2012	7	24	20	V	0.06	2.4	3.64	23
180970078	2012	7	24	21	V	0.05	2.4	5.51	35
180970078	2012	7	24	22	V	0.04	2.2	4.66	43
180970078	2012	7	24	23	V	0.06	2.3	3.47	65
180970078	2012	7	24	24	V	0.05	2.1	3.23	78
180970078	2012	7	25	1	V	0.04	2	2.96	96
180970078	2012	7	25	2	V	0.04	2	2.86	116
180970078	2012	7	25	3	V	0.05	1.9	2.36	93
180970078	2012	7	25	4	V	0.03	1.8	3.36	106
180970078	2012	7	25	5	V	0.2	1.8	2.86	118
180970078	2012	7	25	6	V	0.06	1.8	5.36	106
180970078	2012	7	25	7	V	0.1	1.8	4.86	117
180970078	2012	7	25	8	V	0.03	2.3	6.46	129
180970078	2012	7	25	9	V	0.06	6	5.36	127
180970078	2012	7	25	10	V	0.2	9.4	3.86	174
180970078	2012	7	25	11	V	0.2	11.2	4.36	180
180970078	2012	7	25	12	V	1.3	8.4	4.36	196
180970078	2012	7	25	13	M	-999	7.1	3.36	999
180970078	2012	7	25	14	V	3.1	15.2	8.46	218
180970078	2012	7	25	15	V	1.2	11	3.86	233
180970078	2012	7	25	16	V	0.3	4.1	5.96	239
180970078	2012	7	25	17	V	2.3	2.8	7.96	224
180970078	2012	7	25	18	V	8.9	3.7	6.46	214
180970078	2012	7	25	19	V	8.3	3.5	6.46	223
180970078	2012	7	25	20	V	21.4	8.7	5.36	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	25	21	V	26.6	17.2	4.86	209
180970078	2012	7	25	22	V	1.0	31.9	4.86	200
180970078	2012	7	25	23	V	17.7	36	9.06	219
180970078	2012	7	25	24	V	22.2	46	6.96	217
180970078	2012	7	26	1	V	15.0	30.6	8.96	220
180970078	2012	7	26	2	V	1.3	14.2	8.46	230
180970078	2012	7	26	3	V	4.0	5.9	8.46	226
180970078	2012	7	26	4	V	18.5	6.4	7.96	217
180970078	2012	7	26	5	V	3.2	5.6	7.6	222
180970078	2012	7	26	6	V	6.1	13.1	6.89	220
180970078	2012	7	26	7	V	0.1	12	7.3	236
180970078	2012	7	26	8	V	0.2	4.5	7.06	234
180970078	2012	7	26	9	V	0.02	3.7	8.05	240
180970078	2012	7	26	10	V	0.02	3.3	7.52	260
180970078	2012	7	26	11	V	0.03	3.5	5.73	268
180970078	2012	7	26	12	V	0.04	3.8	5.5	282
180970078	2012	7	26	13	V	0.1	3.2	3.73	259
180970078	2012	7	26	14	V	0.04	2.9	6.04	253
180970078	2012	7	26	15	V	0.02	2.4	7.06	268
180970078	2012	7	26	16	V	0.01	2.2	9.05	276
180970078	2012	7	26	17	V	0.01	2.8	8.54	293
180970078	2012	7	26	18	V	0.01	2.5	7.91	281
180970078	2012	7	26	19	V	0.04	2.3	7.62	288
180970078	2012	7	26	20	V	0.04	2.2	6.48	304
180970078	2012	7	26	21	V	0.05	2	3.61	302
180970078	2012	7	26	22	V	0.06	2	2.45	288
180970078	2012	7	26	23	V	0.06	2	2.44	292
180970078	2012	7	26	24	V	0.05	2	2.88	279
180970078	2012	7	27	1	V	0.06	2.1	2.93	258
180970078	2012	7	27	2	V	0.03	2.2	3.58	270
180970078	2012	7	27	3	V	0.04	2.2	3.46	274
180970078	2012	7	27	4	V	0.4	2.1	3.35	250
180970078	2012	7	27	5	V	0.3	2.1	3.22	249
180970078	2012	7	27	6	V	4.2	2	2.93	233
180970078	2012	7	27	7	V	0.4	2.3	4.32	241
180970078	2012	7	27	8	V	0.08	2.7	4.97	262
180970078	2012	7	27	9	V	0.2	2.6	3.54	262
180970078	2012	7	27	10	V	0.4	2.7	3.42	250
180970078	2012	7	27	11	V	0.3	2.9	4.15	248
180970078	2012	7	27	12	V	0.9	2.6	3.93	236
180970078	2012	7	27	13	V	3.1	6	6.01	215
180970078	2012	7	27	14	V	0.3	3.3	5.6	242
180970078	2012	7	27	15	V	2.8	2.2	4.22	203
180970078	2012	7	27	16	V	3.0	2.7	4	208
180970078	2012	7	27	17	V	0.05	6.6	3.59	127
180970078	2012	7	27	18	V	0.1	8.1	2.52	113

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	27	19	V	0.04	5.7	7.82	311
180970078	2012	7	27	20	V	0.04	2.8	6.57	324
180970078	2012	7	27	21	V	0.04	2.4	4.1	312
180970078	2012	7	27	22	V	0.04	-999	3.59	305
180970078	2012	7	27	23	V	0.04	-999	3.22	305
180970078	2012	7	27	24	V	0.04	2.2	3.44	338
180970078	2012	7	28	1	V	0.04	2.2	2.54	325
180970078	2012	7	28	2	V	0.08	2.2	1.84	293
180970078	2012	7	28	3	V	0.03	2.2	3.66	328
180970078	2012	7	28	4	V	0.05	2	2.27	310
180970078	2012	7	28	5	V	0.2	1.9	2.42	304
180970078	2012	7	28	6	V	0.2	1.9	3.95	328
180970078	2012	7	28	7	V	0.1	1.8	3.71	331
180970078	2012	7	28	8	V	0.1	1.9	3.9	349
180970078	2012	7	28	9	V	0.07	2.1	4.58	356
180970078	2012	7	28	10	V	0.07	1.9	5.05	357
180970078	2012	7	28	11	V	0.06	1.8	4.75	347
180970078	2012	7	28	12	V	0.05	1.8	5.12	15
180970078	2012	7	28	13	V	0.07	1.8	4.34	17
180970078	2012	7	28	14	V	0.08	1.8	3.74	13
180970078	2012	7	28	15	V	0.07	1.8	3.73	9
180970078	2012	7	28	16	V	0.05	1.7	4.09	357
180970078	2012	7	28	17	V	0.03	1.7	4.1	358
180970078	2012	7	28	18	V	0.01	1.7	5.17	354
180970078	2012	7	28	19	V	0.05	1.9	5.34	351
180970078	2012	7	28	20	V	0.05	2	5	4
180970078	2012	7	28	21	V	0.05	2.1	3.57	24
180970078	2012	7	28	22	V	0.05	2	3.18	19
180970078	2012	7	28	23	V	0.1	2	1.82	356
180970078	2012	7	28	24	V	0.08	1.9	2.03	342
180970078	2012	7	29	1	V	0.08	1.9	1.86	8
180970078	2012	7	29	2	V	0.1	2	1.57	3
180970078	2012	7	29	3	V	0.2	1.9	1.31	12
180970078	2012	7	29	4	V	0.06	1.8	2.13	21
180970078	2012	7	29	5	V	0.2	1.9	1.43	343
180970078	2012	7	29	6	V	2.1	1.9	1.09	357
180970078	2012	7	29	7	V	2.1	1.9	1.14	355
180970078	2012	7	29	8	V	1.5	2.1	1.33	52
180970078	2012	7	29	9	V	1.7	2.2	1.04	90
180970078	2012	7	29	10	V	1.1	2	1.67	175
180970078	2012	7	29	11	V	1.9	3.6	2.01	216
180970078	2012	7	29	12	V	0.7	3.1	2.08	305
180970078	2012	7	29	13	V	0.5	2.3	2.21	11
180970078	2012	7	29	14	V	0.2	2	3.03	275
180970078	2012	7	29	15	V	0.2	1.9	2.79	291
180970078	2012	7	29	16	V	0.2	1.9	2.35	281

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	29	17	V	0.1	1.9	2.62	9
180970078	2012	7	29	18	V	0.04	1.8	2.4	62
180970078	2012	7	29	19	V	0.05	1.9	5.85	20
180970078	2012	7	29	20	V	0.06	1.8	4	35
180970078	2012	7	29	21	V	0.05	1.9	3.41	64
180970078	2012	7	29	22	V	0.05	2	2.88	99
180970078	2012	7	29	23	V	0.09	1.9	2.01	107
180970078	2012	7	29	24	V	0.1	2	1.77	95
180970078	2012	7	30	1	V	0.05	1.9	2.49	99
180970078	2012	7	30	2	V	0.2	1.9	1.38	125
180970078	2012	7	30	3	V	0.03	1.9	3.01	154
180970078	2012	7	30	4	V	0.1	1.9	1.76	122
180970078	2012	7	30	5	V	0.1	1.9	2.86	120
180970078	2012	7	30	6	C	-999	2.1	0	0
180970078	2012	7	30	7	V	0.6	2.4	2.86	145
180970078	2012	7	30	8	V	2.9	2.9	2.36	190
180970078	2012	7	30	9	V	1.7	3	1.76	182
180970078	2012	7	30	10	V	0.1	2.6	3.86	156
180970078	2012	7	30	11	V	0.1	4	3.86	165
180970078	2012	7	30	12	V	0.08	4.1	4.36	136
180970078	2012	7	30	13	M	-999	4.1	3.36	999
180970078	2012	7	30	14	M	-999	4.4	3.36	999
180970078	2012	7	30	15	V	0.04	3.7	4.36	160
180970078	2012	7	30	16	V	0.04	3	4.36	134
180970078	2012	7	30	17	V	0.02	3.4	5.96	135
180970078	2012	7	30	18	M	-999	5	3.36	999
180970078	2012	7	30	19	V	0.05	4.5	3.86	136
180970078	2012	7	30	20	V	0.06	3.9	2.86	116
180970078	2012	7	30	21	V	0.05	3.3	3.36	168
180970078	2012	7	30	22	V	0.07	3	2.36	157
180970078	2012	7	30	23	V	0.07	2.6	2.3	141
180970078	2012	7	30	24	V	0.05	2.5	2.52	151
180970078	2012	7	31	1	V	0.04	2.4	2.47	161
180970078	2012	7	31	2	V	0.04	2.4	2.71	153
180970078	2012	7	31	3	V	0.09	2.4	1.87	148
180970078	2012	7	31	4	V	0.08	2.2	1.91	129
180970078	2012	7	31	5	V	0.2	2.1	1.38	114
180970078	2012	7	31	6	V	1.1	2.2	1.69	108
180970078	2012	7	31	7	V	2.2	2.3	1.35	51
180970078	2012	7	31	8	V	0.02	2.2	6.92	26
180970078	2012	7	31	9	V	0.06	1.9	5.53	54
180970078	2012	7	31	10	V	0.1	2	3.9	134
180970078	2012	7	31	11	V	0.1	1.9	3.64	176
180970078	2012	7	31	12	V	0.2	1.9	4.29	180
180970078	2012	7	31	13	V	3.3	9.6	4.53	201
180970078	2012	7	31	14	V	1.0	5.8	4.75	234

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	7	31	15	V	0.09	3.8	5.56	243
180970078	2012	7	31	16	V	0.06	2.5	3.74	268
180970078	2012	7	31	17	V	0.07	2.5	3.12	321
180970078	2012	7	31	18	V	0.06	2.2	6.07	13
180970078	2012	7	31	19	V	0.04	2.2	5.53	10
180970078	2012	7	31	20	V	0.06	2.1	3.69	22
180970078	2012	7	31	21	V	0.06	2.1	2.62	45
180970078	2012	7	31	22	V	0.05	2.2	2.81	13
180970078	2012	7	31	23	V	0.04	2.1	3.36	358
180970078	2012	7	31	24	V	0.03	2	3.36	359
180970078	2012	8	1	1	V	0.03	1.9	3.86	12
180970078	2012	8	1	2	V	0.03	1.8	3.36	1
180970078	2012	8	1	3	V	0.03	1.7	2.86	360
180970078	2012	8	1	4	V	0.05	1.8	2.36	4
180970078	2012	8	1	5	V	0.07	1.8	2.86	355
180970078	2012	8	1	6	V	0.3	1.8	2.36	352
180970078	2012	8	1	7	V	0.4	1.9	2.36	357
180970078	2012	8	1	8	V	0.1	2.4	3.86	12
180970078	2012	8	1	9	V	0.09	2.7	3.36	38
180970078	2012	8	1	10	V	0.02	2.3	5.96	34
180970078	2012	8	1	11	V	0.03	2	5.96	18
180970078	2012	8	1	12	V	0.03	1.9	5.36	33
180970078	2012	8	1	13	V	0.07	2.1	4.25	348
180970078	2012	8	1	14	V	0.03	2.2	5.46	344
180970078	2012	8	1	15	V	0.04	2.1	4.97	345
180970078	2012	8	1	16	V	0.03	2	5	5
180970078	2012	8	1	17	V	0.03	1.9	4.36	345
180970078	2012	8	1	18	V	0.05	2	4.71	359
180970078	2012	8	1	19	V	0.04	1.9	5.09	9
180970078	2012	8	1	20	V	0.04	1.8	4.42	23
180970078	2012	8	1	21	V	0.04	1.9	3.73	44
180970078	2012	8	1	22	V	0.1	2.1	1.72	29
180970078	2012	8	1	23	V	0.1	2	1.76	32
180970078	2012	8	1	24	V	0.05	2	2.33	23
180970078	2012	8	2	1	V	0.05	2	2.3	27
180970078	2012	8	2	2	V	0.04	2	2.47	84
180970078	2012	8	2	3	V	0.2	2	1.57	313
180970078	2012	8	2	4	V	0.2	2	1.31	356
180970078	2012	8	2	5	V	0.4	2.1	1.09	294
180970078	2012	8	2	6	V	3.7	2.2	0.7	7
180970078	2012	8	2	7	V	0.8	2.4	1.71	81
180970078	2012	8	2	8	V	1.1	2.6	1.69	104
180970078	2012	8	2	9	V	0.2	2.4	2.95	132
180970078	2012	8	2	10	V	0.2	2.2	3.4	146
180970078	2012	8	2	11	V	0.4	2.9	2.4	177
180970078	2012	8	2	12	V	0.7	7.3	1.79	171

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	2	13	V	0.4	9.4	1.94	159
180970078	2012	8	2	14	V	0.2	5.9	2.57	147
180970078	2012	8	2	15	V	0.2	7.2	2.54	172
180970078	2012	8	2	16	V	0.07	6.5	3.56	136
180970078	2012	8	2	17	V	0.04	4.5	3.97	139
180970078	2012	8	2	18	V	0.02	3.5	4.56	125
180970078	2012	8	2	19	V	0.05	3.9	4.87	122
180970078	2012	8	2	20	V	0.05	4.3	3.59	122
180970078	2012	8	2	21	V	0.05	4.3	2.66	124
180970078	2012	8	2	22	V	0.05	4.6	2.81	128
180970078	2012	8	2	23	V	0.04	5.7	3.1	133
180970078	2012	8	2	24	V	0.04	6	2.49	175
180970078	2012	8	3	1	V	0.2	5.5	3.25	242
180970078	2012	8	3	2	V	0.2	4.8	4.1	255
180970078	2012	8	3	3	V	0.04	3.5	2.67	266
180970078	2012	8	3	4	V	0.09	3.1	1.76	327
180970078	2012	8	3	5	V	0.2	2.6	1.3	22
180970078	2012	8	3	6	V	0.2	2.5	2.95	106
180970078	2012	8	3	7	V	0.2	2.9	3.44	82
180970078	2012	8	3	8	V	0.2	3.2	3.54	97
180970078	2012	8	3	9	V	0.2	3.3	3.85	126
180970078	2012	8	3	10	V	0.2	2.7	3.64	142
180970078	2012	8	3	11	V	0.1	2.8	3.69	146
180970078	2012	8	3	12	V	0.06	2.6	4.94	156
180970078	2012	8	3	13	V	0.05	2.6	4.68	140
180970078	2012	8	3	14	V	0.02	2.6	7.09	157
180970078	2012	8	3	15	V	0.02	4.5	6.81	165
180970078	2012	8	3	16	V	0.02	3.7	6.28	158
180970078	2012	8	3	17	V	0.02	2.1	4.82	158
180970078	2012	8	3	18	V	0.04	2	6.28	146
180970078	2012	8	3	19	V	0.03	2.5	5.38	121
180970078	2012	8	3	20	V	0.04	3.2	4.32	122
180970078	2012	8	3	21	V	0.04	4.1	3.78	135
180970078	2012	8	3	22	V	0.03	-999	4.61	144
180970078	2012	8	3	23	V	0.03	-999	4.48	157
180970078	2012	8	3	24	V	0.02	2.8	3.8	135
180970078	2012	8	4	1	V	0.02	4.2	3.47	117
180970078	2012	8	4	2	V	0.03	3.6	2.5	85
180970078	2012	8	4	3	V	0.03	2.6	3.22	98
180970078	2012	8	4	4	V	0.03	2.1	3.32	112
180970078	2012	8	4	5	V	0.06	2	2.95	113
180970078	2012	8	4	6	V	0.2	2	2.84	125
180970078	2012	8	4	7	V	0.2	2	3.07	126
180970078	2012	8	4	8	V	0.1	2	3.68	133
180970078	2012	8	4	9	V	0.06	2.2	4.68	148
180970078	2012	8	4	10	V	0.06	2.3	4.82	148

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	4	11	V	0.2	2.3	3.54	152
180970078	2012	8	4	12	V	0.08	1.8	4.51	155
180970078	2012	8	4	13	V	0.05	1.9	5.44	151
180970078	2012	8	4	14	V	0.01	1.9	8.16	166
180970078	2012	8	4	15	V	0.04	2.3	5.24	156
180970078	2012	8	4	16	V	0.03	2	6.04	167
180970078	2012	8	4	17	V	0.02	1.8	5.77	174
180970078	2012	8	4	18	V	9.1	2.1	8.1	211
180970078	2012	8	4	19	V	2.4	3.6	9.81	229
180970078	2012	8	4	20	V	2.7	2.8	6.67	228
180970078	2012	8	4	21	V	13.5	13.6	4.9	206
180970078	2012	8	4	22	V	5.7	11.1	4.77	225
180970078	2012	8	4	23	V	27.1	13.7	3.52	214
180970078	2012	8	4	24	V	0.08	10.5	3.83	198
180970078	2012	8	5	1	V	0.06	5.1	4.6	196
180970078	2012	8	5	2	V	0.04	4	4.1	193
180970078	2012	8	5	3	V	0.04	3.5	5.17	172
180970078	2012	8	5	4	V	0.04	3.4	5.55	188
180970078	2012	8	5	5	V	0.07	3.9	6.82	259
180970078	2012	8	5	6	V	0.08	3.1	3.71	357
180970078	2012	8	5	7	V	0.07	2.2	4.24	184
180970078	2012	8	5	8	V	27.0	2.1	2.96	215
180970078	2012	8	5	9	V	2.4	2.7	3.13	234
180970078	2012	8	5	10	V	0.1	2.5	4.12	270
180970078	2012	8	5	11	V	0.07	2.5	4.19	268
180970078	2012	8	5	12	V	0.06	2.5	4.95	268
180970078	2012	8	5	13	V	0.1	2.2	4.42	287
180970078	2012	8	5	14	V	0.08	2	4.54	298
180970078	2012	8	5	15	V	0.04	2	5.39	314
180970078	2012	8	5	16	V	0.05	2.1	4.78	305
180970078	2012	8	5	17	V	0.03	1.9	4.76	333
180970078	2012	8	5	18	V	0.03	1.8	4.56	320
180970078	2012	8	5	19	V	0.03	1.9	4.24	318
180970078	2012	8	5	20	V	0.03	2	3.52	310
180970078	2012	8	5	21	V	0.05	1.9	2.15	331
180970078	2012	8	5	22	V	0.03	2	2.66	335
180970078	2012	8	5	23	V	0.04	1.8	2.42	348
180970078	2012	8	5	24	V	0.02	1.8	4.42	6
180970078	2012	8	6	1	V	0.02	1.9	4.42	40
180970078	2012	8	6	2	V	0.02	1.9	4.1	40
180970078	2012	8	6	3	V	0.02	1.9	3.86	44
180970078	2012	8	6	4	V	0.02	1.8	2.83	55
180970078	2012	8	6	5	V	0.03	1.7	2.32	40
180970078	2012	8	6	6	V	0.2	1.7	2.22	50
180970078	2012	8	6	7	V	0.3	1.9	2.18	50
180970078	2012	8	6	8	V	0.2	2	2.49	51

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	6	9	V	0.1	1.9	2.61	53
180970078	2012	8	6	10	V	0.2	1.8	2.16	74
180970078	2012	8	6	11	V	0.4	1.9	1.55	52
180970078	2012	8	6	12	V	0.3	2	1.86	319
180970078	2012	8	6	13	V	0.2	2.1	2.06	302
180970078	2012	8	6	14	V	2.0	2.2	2.21	196
180970078	2012	8	6	15	V	3.5	2.2	1.86	206
180970078	2012	8	6	16	V	0.2	2.3	2.04	329
180970078	2012	8	6	17	V	0.04	2.3	3.01	348
180970078	2012	8	6	18	V	0.07	2.2	1.6	327
180970078	2012	8	6	19	V	0.03	2.1	3.61	46
180970078	2012	8	6	20	V	0.03	2.1	4.56	50
180970078	2012	8	6	21	V	0.02	2.1	3.63	54
180970078	2012	8	6	22	V	0.02	2	2.98	59
180970078	2012	8	6	23	V	0.02	1.9	2.83	53
180970078	2012	8	6	24	V	0.03	1.9	2.72	52
180970078	2012	8	7	1	V	0.04	1.8	2.22	58
180970078	2012	8	7	2	V	0.04	1.8	2.11	120
180970078	2012	8	7	3	V	0.04	1.8	2.08	110
180970078	2012	8	7	4	V	0.2	1.8	1.21	52
180970078	2012	8	7	5	V	0.09	1.8	1.48	92
180970078	2012	8	7	6	V	0.5	1.9	1.42	16
180970078	2012	8	7	7	V	0.7	2.1	1.37	60
180970078	2012	8	7	8	V	0.9	3.3	1.48	120
180970078	2012	8	7	9	V	0.5	10.2	1.7	166
180970078	2012	8	7	10	V	6.7	34.7	2.62	220
180970078	2012	8	7	11	V	0.6	13	2.49	246
180970078	2012	8	7	12	V	2.3	5.2	2.3	236
180970078	2012	8	7	13	V	0.4	3.9	2.21	254
180970078	2012	8	7	14	V	0.2	2.9	2.27	260
180970078	2012	8	7	15	V	0.2	2.7	2.33	289
180970078	2012	8	7	16	V	0.09	2.6	2.67	276
180970078	2012	8	7	17	V	0.05	2.8	2.78	293
180970078	2012	8	7	18	V	0.04	2.9	2.59	314
180970078	2012	8	7	19	V	0.03	2.7	3.01	327
180970078	2012	8	7	20	V	0.03	2.6	2.64	355
180970078	2012	8	7	21	V	0.09	2.7	1.69	360
180970078	2012	8	7	22	V	0.6	2.7	0.86	302
180970078	2012	8	7	23	V	0.07	3	1.72	138
180970078	2012	8	7	24	V	0.06	3	1.76	168
180970078	2012	8	8	1	V	9.8	2.6	1.4	207
180970078	2012	8	8	2	V	18.1	2.4	1.25	210
180970078	2012	8	8	3	V	0.9	2.3	1.64	232
180970078	2012	8	8	4	V	0.04	2.4	2.25	240
180970078	2012	8	8	5	V	4.4	2.4	2.52	226
180970078	2012	8	8	6	V	0.3	2.9	3.22	245

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	8	7	V	1.1	4.3	2.9	239
180970078	2012	8	8	8	V	0.4	5.3	2.74	246
180970078	2012	8	8	9	V	0.5	4	3.08	242
180970078	2012	8	8	10	V	0.05	3.3	4.51	255
180970078	2012	8	8	11	V	0.02	3.6	5.16	267
180970078	2012	8	8	12	V	0.02	4.2	5.55	268
180970078	2012	8	8	13	V	0.05	4.9	5.36	253
180970078	2012	8	8	14	V	0.02	3.7	5.83	268
180970078	2012	8	8	15	V	0.01	4	5.36	274
180970078	2012	8	8	16	V	0.03	4.6	4.51	285
180970078	2012	8	8	17	V	0.03	4.4	3.92	309
180970078	2012	8	8	18	V	0.01	3.5	4.71	317
180970078	2012	8	8	19	V	0.05	2.8	4.26	353
180970078	2012	8	8	20	V	0.05	2.7	4.44	25
180970078	2012	8	8	21	V	0.04	2.8	7.37	28
180970078	2012	8	8	22	V	0.04	2.1	4.17	34
180970078	2012	8	8	23	V	0.04	1.8	3.17	37
180970078	2012	8	8	24	V	0.04	1.7	3.83	32
180970078	2012	8	9	1	V	0.04	1.8	3.8	88
180970078	2012	8	9	2	V	0.04	1.8	3.27	61
180970078	2012	8	9	3	V	0.04	1.8	5.38	353
180970078	2012	8	9	4	V	0.04	1.8	5.26	339
180970078	2012	8	9	5	V	0.04	1.8	4.58	312
180970078	2012	8	9	6	V	0.2	1.7	2.71	126
180970078	2012	8	9	7	V	0.05	1.7	4.65	81
180970078	2012	8	9	8	V	0.2	1.7	3.03	122
180970078	2012	8	9	9	V	0.2	1.9	3.22	177
180970078	2012	8	9	10	V	0.1	1.9	4.28	189
180970078	2012	8	9	11	V	2.2	24.4	2.36	192
180970078	2012	8	9	12	V	6.1	28.1	1.36	240
180970078	2012	8	9	13	V	9.2	38.3	2.01	231
180970078	2012	8	9	14	V	3.3	45.8	2.16	191
180970078	2012	8	9	15	V	17.2	26.1	2.5	206
180970078	2012	8	9	16	V	16.5	30.1	2.21	219
180970078	2012	8	9	17	V	15.5	12.1	3.13	214
180970078	2012	8	9	18	V	0.7	11.1	2.47	232
180970078	2012	8	9	19	V	0.08	4.3	1.86	331
180970078	2012	8	9	20	V	0.04	3.4	2.66	51
180970078	2012	8	9	21	V	0.03	2.9	6.02	307
180970078	2012	8	9	22	V	0.05	2.1	1.84	152
180970078	2012	8	9	23	V	0.07	2	2.32	239
180970078	2012	8	9	24	V	0.05	1.9	2.18	3
180970078	2012	8	10	1	V	0.2	1.8	1.35	87
180970078	2012	8	10	2	V	1.9	1.8	2.62	227
180970078	2012	8	10	3	V	0.03	1.8	5.68	324
180970078	2012	8	10	4	V	0.03	1.8	4.12	329

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	10	5	V	0.04	1.7	4.6	308
180970078	2012	8	10	6	V	0.08	1.8	4.19	313
180970078	2012	8	10	7	V	0.04	1.7	5.26	322
180970078	2012	8	10	8	V	0.01	1.7	6.47	328
180970078	2012	8	10	9	V	0.02	1.8	6.5	325
180970078	2012	8	10	10	V	0.03	1.8	5.51	315
180970078	2012	8	10	11	V	0.03	1.8	6.18	322
180970078	2012	8	10	12	V	0.03	1.8	6.33	314
180970078	2012	8	10	13	V	0.03	1.9	6.43	321
180970078	2012	8	10	14	V	0.01	1.8	8.62	326
180970078	2012	8	10	15	V	0.03	1.8	5.68	330
180970078	2012	8	10	16	V	0.01	1.8	8.39	331
180970078	2012	8	10	17	V	0.01	1.9	8.64	335
180970078	2012	8	10	18	V	0.03	2.3	9.81	326
180970078	2012	8	10	19	V	0.03	2.2	8.44	331
180970078	2012	8	10	20	V	0.03	1.9	8.5	336
180970078	2012	8	10	21	V	0.03	1.8	6.74	343
180970078	2012	8	10	22	V	0.03	-999	7.33	335
180970078	2012	8	10	23	V	0.03	-999	5.68	341
180970078	2012	8	10	24	V	0.03	1.6	6.14	330
180970078	2012	8	11	1	V	0.03	1.6	5.39	324
180970078	2012	8	11	2	V	0.03	1.7	4	315
180970078	2012	8	11	3	V	0.04	1.7	3.86	292
180970078	2012	8	11	4	V	0.04	1.7	4.25	299
180970078	2012	8	11	5	V	0.05	1.7	3.95	292
180970078	2012	8	11	6	V	0.1	1.7	3.63	299
180970078	2012	8	11	7	V	0.05	1.9	4.59	285
180970078	2012	8	11	8	V	0.04	2.5	5.45	286
180970078	2012	8	11	9	V	0.03	2.7	5.53	303
180970078	2012	8	11	10	V	0.02	2.3	6.35	307
180970078	2012	8	11	11	V	0.01	2	7.08	299
180970078	2012	8	11	12	V	0.01	1.9	7.01	300
180970078	2012	8	11	13	V	0.02	1.9	6.11	303
180970078	2012	8	11	14	V	0.02	2	5.04	305
180970078	2012	8	11	15	V	0.03	1.9	4.42	300
180970078	2012	8	11	16	V	0.03	1.8	4.24	317
180970078	2012	8	11	17	V	0.02	1.9	4.42	314
180970078	2012	8	11	18	V	0.03	2.1	3.32	313
180970078	2012	8	11	19	V	0.03	2.1	3.18	302
180970078	2012	8	11	20	V	0.03	2.1	3.42	298
180970078	2012	8	11	21	V	0.06	2	2.15	308
180970078	2012	8	11	22	V	0.05	1.9	2.39	321
180970078	2012	8	11	23	V	0.03	2	2.91	13
180970078	2012	8	11	24	V	0.04	1.9	2.5	49
180970078	2012	8	12	1	V	0.06	1.8	2.06	25
180970078	2012	8	12	2	V	0.1	1.8	1.71	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	12	3	V	0.2	1.8	1.42	17
180970078	2012	8	12	4	V	0.2	1.8	1.43	320
180970078	2012	8	12	5	V	0.3	2	1.21	263
180970078	2012	8	12	6	V	1.7	2.1	0.86	344
180970078	2012	8	12	7	V	4.4	2.4	0.57	286
180970078	2012	8	12	8	V	3.8	2.7	0.84	160
180970078	2012	8	12	9	V	0.4	2.4	1.98	126
180970078	2012	8	12	10	V	0.6	2.1	1.6	132
180970078	2012	8	12	11	V	0.3	3	1.72	138
180970078	2012	8	12	12	V	6.4	5.5	2.08	223
180970078	2012	8	12	13	V	4.3	24.6	2.66	226
180970078	2012	8	12	14	V	1.2	16.2	2.55	235
180970078	2012	8	12	15	V	0.2	2.6	3.22	240
180970078	2012	8	12	16	V	0.04	2.3	3.23	283
180970078	2012	8	12	17	V	0.05	2.3	3.61	252
180970078	2012	8	12	18	V	0.04	2.2	4	305
180970078	2012	8	12	19	V	0.04	2.2	2.64	326
180970078	2012	8	12	20	V	0.2	2.3	1.28	314
180970078	2012	8	12	21	V	0.08	2.4	1.76	83
180970078	2012	8	12	22	V	0.04	2.8	2.36	130
180970078	2012	8	12	23	V	0.04	2.3	2.53	134
180970078	2012	8	12	24	V	0.05	2.1	2.25	100
180970078	2012	8	13	1	V	0.04	1.9	2.9	104
180970078	2012	8	13	2	V	0.04	1.9	2.83	112
180970078	2012	8	13	3	V	0.04	1.8	2.67	118
180970078	2012	8	13	4	V	0.1	2	1.45	111
180970078	2012	8	13	5	V	0.05	2.1	2.1	151
180970078	2012	8	13	6	V	0.2	2.9	2.15	108
180970078	2012	8	13	7	V	0.8	4.3	1.47	163
180970078	2012	8	13	8	V	15.6	4.4	1.77	201
180970078	2012	8	13	9	V	32.5	3.7	1.11	211
180970078	2012	8	13	10	V	1.3	25.1	1.5	124
180970078	2012	8	13	11	V	0.3	43.4	2.78	130
180970078	2012	8	13	12	V	0.2	7.1	2.93	142
180970078	2012	8	13	13	V	0.07	4.3	5	146
180970078	2012	8	13	14	V	0.05	3.4	4.99	142
180970078	2012	8	13	15	V	0.04	2.9	5	153
180970078	2012	8	13	16	V	0.06	2.7	4.24	173
180970078	2012	8	13	17	V	0.02	2.7	4.9	184
180970078	2012	8	13	18	V	0.06	2.7	3.83	168
180970078	2012	8	13	19	V	0.06	2.8	4.27	158
180970078	2012	8	13	20	V	0.06	2.9	4.42	163
180970078	2012	8	13	21	V	0.05	2.9	5.94	177
180970078	2012	8	13	22	V	10.2	2.4	5	205
180970078	2012	8	13	23	V	0.2	6.1	3.13	253
180970078	2012	8	13	24	V	0.3	3.1	3.63	246

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	14	1	V	0.3	2.3	3.08	247
180970078	2012	8	14	2	V	0.2	2.1	2.95	243
180970078	2012	8	14	3	V	0.07	2	2.47	258
180970078	2012	8	14	4	V	0.04	2	3.64	292
180970078	2012	8	14	5	V	0.04	1.9	4.22	313
180970078	2012	8	14	6	V	0.04	1.8	4.66	321
180970078	2012	8	14	7	V	0.09	1.8	4.02	315
180970078	2012	8	14	8	V	0.04	1.8	5.27	329
180970078	2012	8	14	9	V	0.06	1.9	4.68	330
180970078	2012	8	14	10	V	0.08	-999	4.56	345
180970078	2012	8	14	11	V	0.09	1.9	4.54	353
180970078	2012	8	14	12	V	0.05	1.9	4.7	334
180970078	2012	8	14	13	V	0.1	2	4.03	324
180970078	2012	8	14	14	V	0.06	1.9	5.07	323
180970078	2012	8	14	15	V	0.1	1.9	3.69	329
180970078	2012	8	14	16	V	0.2	1.9	2.78	308
180970078	2012	8	14	17	V	0.07	1.8	3.34	326
180970078	2012	8	14	18	V	0.05	1.9	4.53	350
180970078	2012	8	14	19	V	0.05	1.9	3.52	1
180970078	2012	8	14	20	V	0.1	1.9	1.5	13
180970078	2012	8	14	21	V	0.1	1.9	1.72	46
180970078	2012	8	14	22	V	0.1	1.8	1.77	53
180970078	2012	8	14	23	V	0.3	1.9	1.26	111
180970078	2012	8	14	24	V	0.1	2	1.64	145
180970078	2012	8	15	1	V	21.2	2	1.48	208
180970078	2012	8	15	2	V	0.09	2.2	1.81	182
180970078	2012	8	15	3	V	0.07	2.1	1.99	191
180970078	2012	8	15	4	V	24.0	2	2.52	217
180970078	2012	8	15	5	V	0.5	2.1	2.2	246
180970078	2012	8	15	6	V	0.4	2.3	2.23	259
180970078	2012	8	15	7	V	9.3	2.7	0.84	214
180970078	2012	8	15	8	V	22.0	4.1	1.94	212
180970078	2012	8	15	9	V	19.7	32.2	2.23	213
180970078	2012	8	15	10	V	9.5	37.7	2.79	214
180970078	2012	8	15	11	V	0.5	8.8	2.78	247
180970078	2012	8	15	12	V	0.1	4	2.91	274
180970078	2012	8	15	13	V	0.07	2.6	3.29	289
180970078	2012	8	15	14	V	0.06	2.1	3.23	286
180970078	2012	8	15	15	V	0.2	2	2.49	259
180970078	2012	8	15	16	V	0.3	2	2.38	251
180970078	2012	8	15	17	V	4.9	2	1.28	208
180970078	2012	8	15	18	V	0.04	2	2.69	186
180970078	2012	8	15	19	V	1.9	3.4	2.69	204
180970078	2012	8	15	20	V	0.9	2.9	2.57	203
180970078	2012	8	15	21	V	0.07	3.3	2.18	195
180970078	2012	8	15	22	V	0.04	3.9	2.91	190

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	15	23	V	0.03	3.9	3.69	185
180970078	2012	8	15	24	V	0.04	3.3	3.63	191
180970078	2012	8	16	1	V	1.6	2.7	2.74	228
180970078	2012	8	16	2	V	30.8	2.6	2.37	213
180970078	2012	8	16	3	V	0.03	2.5	2.78	194
180970078	2012	8	16	4	V	5.4	2.5	3.05	206
180970078	2012	8	16	5	V	0.04	2.4	3.03	181
180970078	2012	8	16	6	V	0.2	2.5	3	181
180970078	2012	8	16	7	V	0.4	3.7	2.91	184
180970078	2012	8	16	8	V	20.8	22.3	4.03	213
180970078	2012	8	16	9	V	6.2	32.9	5.17	206
180970078	2012	8	16	10	V	5.4	21.9	5.38	205
180970078	2012	8	16	11	V	8.4	32.8	6.23	211
180970078	2012	8	16	12	V	1.4	17.4	6.09	228
180970078	2012	8	16	13	V	0.02	4.1	5.97	2
180970078	2012	8	16	14	V	0.04	2.6	4.6	83
180970078	2012	8	16	15	V	0.05	2.3	4.1	84
180970078	2012	8	16	16	V	0.01	2.1	7.52	4
180970078	2012	8	16	17	V	0.01	1.9	7.77	13
180970078	2012	8	16	18	V	0.03	1.9	7.18	62
180970078	2012	8	16	19	V	0.03	1.9	9.27	137
180970078	2012	8	16	20	V	0.03	1.9	7.67	148
180970078	2012	8	16	21	V	0.03	1.9	6.52	181
180970078	2012	8	16	22	V	0.04	2.9	5.21	266
180970078	2012	8	16	23	V	0.04	2.3	4.29	278
180970078	2012	8	16	24	V	0.04	2	3.34	266
180970078	2012	8	17	1	V	0.04	1.9	3.63	264
180970078	2012	8	17	2	V	0.2	1.9	3.35	254
180970078	2012	8	17	3	V	0.04	1.8	3.56	287
180970078	2012	8	17	4	V	0.04	1.8	3.42	309
180970078	2012	8	17	5	V	0.04	1.8	3.63	317
180970078	2012	8	17	6	V	0.2	1.9	3.54	319
180970078	2012	8	17	7	V	0.2	1.9	3.71	326
180970078	2012	8	17	8	V	0.1	2.1	3.81	338
180970078	2012	8	17	9	V	0.2	2.4	3.2	353
180970078	2012	8	17	10	V	0.2	2.3	3.01	358
180970078	2012	8	17	11	V	0.3	2.1	2.45	342
180970078	2012	8	17	12	V	0.1	2	3.18	331
180970078	2012	8	17	13	V	0.07	1.9	4.15	321
180970078	2012	8	17	14	V	0.06	1.9	4.29	323
180970078	2012	8	17	15	V	0.04	1.9	4.37	316
180970078	2012	8	17	16	V	0.03	2	4.46	308
180970078	2012	8	17	17	V	0.02	2.3	5.14	307
180970078	2012	8	17	18	V	0.04	2.1	5.36	321
180970078	2012	8	17	19	V	0.04	2.1	4.54	319
180970078	2012	8	17	20	V	0.04	2.1	3.46	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	17	21	V	0.1	2	1.82	301
180970078	2012	8	17	22	V	0.06	-999	2.64	320
180970078	2012	8	17	23	V	0.03	-999	2.95	340
180970078	2012	8	17	24	V	0.03	1.9	3.54	25
180970078	2012	8	18	1	V	0.03	1.9	3.73	37
180970078	2012	8	18	2	V	0.03	1.8	3.34	26
180970078	2012	8	18	3	V	0.04	1.8	2.49	29
180970078	2012	8	18	4	V	0.05	1.8	2.37	23
180970078	2012	8	18	5	V	0.09	1.8	1.82	13
180970078	2012	8	18	6	V	0.5	1.8	1.72	9
180970078	2012	8	18	7	V	1.2	1.8	1.35	2
180970078	2012	8	18	8	V	0.8	2	2.13	37
180970078	2012	8	18	9	V	0.7	2.2	1.65	40
180970078	2012	8	18	10	V	1.6	2.3	0.99	360
180970078	2012	8	18	11	V	1.3	2.1	1.3	289
180970078	2012	8	18	12	V	0.3	2	2.25	353
180970078	2012	8	18	13	V	0.2	2	2.84	332
180970078	2012	8	18	14	V	0.2	2	2.74	293
180970078	2012	8	18	15	V	0.1	2	2.76	299
180970078	2012	8	18	16	V	0.09	1.9	2.84	304
180970078	2012	8	18	17	V	0.05	2	2.69	317
180970078	2012	8	18	18	V	0.05	1.9	2.98	311
180970078	2012	8	18	19	V	0.05	2	3.47	342
180970078	2012	8	18	20	V	0.05	2	3.17	359
180970078	2012	8	18	21	V	0.08	2	2.08	5
180970078	2012	8	18	22	V	0.05	1.9	2.74	11
180970078	2012	8	18	23	V	0.07	1.9	1.98	6
180970078	2012	8	18	24	V	0.2	2	1.26	345
180970078	2012	8	19	1	V	0.2	2	1.3	332
180970078	2012	8	19	2	V	0.1	1.9	1.52	8
180970078	2012	8	19	3	V	0.05	1.9	2.25	12
180970078	2012	8	19	4	V	0.04	1.9	2.69	19
180970078	2012	8	19	5	V	0.04	1.9	2.66	26
180970078	2012	8	19	6	V	0.2	1.9	2.35	14
180970078	2012	8	19	7	V	0.9	1.9	1.47	308
180970078	2012	8	19	8	V	0.9	2	1.65	8
180970078	2012	8	19	9	V	0.9	2.4	1.69	37
180970078	2012	8	19	10	V	0.6	3.5	1.79	18
180970078	2012	8	19	11	V	0.1	2.5	3.27	358
180970078	2012	8	19	12	V	0.06	2.4	4.19	356
180970078	2012	8	19	13	V	0.05	2.3	4.39	351
180970078	2012	8	19	14	V	0.05	2.2	4.29	352
180970078	2012	8	19	15	V	0.03	2.1	4.92	336
180970078	2012	8	19	16	V	0.03	2	4.32	349
180970078	2012	8	19	17	V	0.03	1.9	3.63	351
180970078	2012	8	19	18	V	0.06	1.9	3.42	337

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	19	19	V	0.05	2.1	3.61	312
180970078	2012	8	19	20	V	0.05	2.3	4.63	319
180970078	2012	8	19	21	V	0.05	2.3	4.05	336
180970078	2012	8	19	22	V	0.05	2.1	3.59	328
180970078	2012	8	19	23	V	0.04	2.1	3.44	332
180970078	2012	8	19	24	V	0.04	2.1	2.64	343
180970078	2012	8	20	1	V	0.2	2	1.31	318
180970078	2012	8	20	2	V	0.2	2	1.45	352
180970078	2012	8	20	3	V	0.1	1.9	1.7	313
180970078	2012	8	20	4	V	0.1	1.9	1.77	311
180970078	2012	8	20	5	V	0.05	1.8	2.39	303
180970078	2012	8	20	6	V	0.3	1.8	2.32	303
180970078	2012	8	20	7	V	0.7	1.9	1.81	332
180970078	2012	8	20	8	V	4.6	2.5	0.91	316
180970078	2012	8	20	9	V	4.5	2.9	0.86	260
180970078	2012	8	20	10	V	1.6	2.7	2.32	242
180970078	2012	8	20	11	V	0.5	4.1	2.16	260
180970078	2012	8	20	12	V	0.5	4.4	2.06	270
180970078	2012	8	20	13	V	0.3	2.7	2.32	280
180970078	2012	8	20	14	V	0.1	2.2	3.08	251
180970078	2012	8	20	15	V	0.08	2.1	3.12	276
180970078	2012	8	20	16	V	0.3	2	2.32	247
180970078	2012	8	20	17	V	0.3	2.4	2.64	237
180970078	2012	8	20	18	V	0.3	3.9	3.32	253
180970078	2012	8	20	19	V	0.05	4.1	4.29	264
180970078	2012	8	20	20	V	0.05	2.2	4.9	328
180970078	2012	8	20	21	V	0.04	2	6.96	355
180970078	2012	8	20	22	V	0.04	1.8	4.85	27
180970078	2012	8	20	23	V	0.03	1.8	3.12	45
180970078	2012	8	20	24	V	0.09	1.8	1.67	72
180970078	2012	8	21	1	V	0.04	1.8	2.78	155
180970078	2012	8	21	2	V	0.09	1.8	1.77	141
180970078	2012	8	21	3	V	0.3	1.8	1.2	91
180970078	2012	8	21	4	V	0.1	1.8	1.62	43
180970078	2012	8	21	5	V	0.05	1.8	2.32	27
180970078	2012	8	21	6	V	0.6	1.9	1.57	7
180970078	2012	8	21	7	V	1.3	2	1.3	11
180970078	2012	8	21	8	V	3.9	2.2	0.8	336
180970078	2012	8	21	9	V	2.6	2.4	0.97	60
180970078	2012	8	21	10	V	1.6	13.7	0.97	311
180970078	2012	8	21	11	V	0.7	9.1	1.26	273
180970078	2012	8	21	12	V	0.7	6.7	1.18	288
180970078	2012	8	21	13	V	0.3	2.7	1.77	309
180970078	2012	8	21	14	V	0.2	2.7	2.04	339
180970078	2012	8	21	15	V	0.08	2.3	2.74	326
180970078	2012	8	21	16	V	0.08	2	2.64	360

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	21	17	V	0.04	2	3.32	316
180970078	2012	8	21	18	V	0.04	1.9	3.29	322
180970078	2012	8	21	19	V	0.04	2	3.4	334
180970078	2012	8	21	20	V	0.04	2	3.54	18
180970078	2012	8	21	21	V	0.06	2.1	2.42	39
180970078	2012	8	21	22	V	0.07	2.1	1.99	50
180970078	2012	8	21	23	V	0.2	2	1.38	28
180970078	2012	8	21	24	V	1.1	2.1	0.75	22
180970078	2012	8	22	1	V	1.5	2	0.62	22
180970078	2012	8	22	2	V	1.3	2	0.7	14
180970078	2012	8	22	3	V	0.5	2.1	1.04	48
180970078	2012	8	22	4	V	0.3	2	1.2	51
180970078	2012	8	22	5	V	0.2	2	1.43	30
180970078	2012	8	22	6	V	0.8	2	1.33	31
180970078	2012	8	22	7	V	0.8	2.3	1.64	68
180970078	2012	8	22	8	V	0.8	2.8	1.79	108
180970078	2012	8	22	9	V	0.6	3.9	1.91	120
180970078	2012	8	22	10	V	0.9	3.6	1.71	121
180970078	2012	8	22	11	V	0.5	2.7	2.16	152
180970078	2012	8	22	12	V	0.6	2.7	1.93	164
180970078	2012	8	22	13	V	0.4	2.5	1.99	160
180970078	2012	8	22	14	V	0.2	2.4	2.62	168
180970078	2012	8	22	15	V	1.8	2.3	2.72	192
180970078	2012	8	22	16	V	0.2	2.5	2.23	135
180970078	2012	8	22	17	V	0.4	3.4	1.74	184
180970078	2012	8	22	18	V	0.2	2.4	1.45	184
180970078	2012	8	22	19	V	36.2	7.7	1.31	219
180970078	2012	8	22	20	V	0.7	7.1	1.06	325
180970078	2012	8	22	21	V	0.05	3.7	2.84	160
180970078	2012	8	22	22	V	0.04	2.5	3.71	160
180970078	2012	8	22	23	V	0.2	2.4	1.26	264
180970078	2012	8	22	24	V	0.6	2.3	0.87	53
180970078	2012	8	23	1	V	0.2	2.2	1.43	51
180970078	2012	8	23	2	V	0.08	2.3	1.99	91
180970078	2012	8	23	3	V	0.05	2.2	2.28	100
180970078	2012	8	23	4	V	0.2	2.1	1.4	75
180970078	2012	8	23	5	V	0.2	2	1.43	69
180970078	2012	8	23	6	V	1.2	2	1.37	99
180970078	2012	8	23	7	V	0.9	2.3	1.87	104
180970078	2012	8	23	8	V	1.4	4.1	1.72	114
180970078	2012	8	23	9	V	1.4	4.8	1.86	116
180970078	2012	8	23	10	V	0.9	4.2	1.96	167
180970078	2012	8	23	11	V	9.2	13.6	1.96	202
180970078	2012	8	23	12	V	5.4	32	1.93	230
180970078	2012	8	23	13	V	6.6	16.3	1.69	216
180970078	2012	8	23	14	V	3.0	11.1	1.81	238

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	23	15	V	0.2	6	2.83	164
180970078	2012	8	23	16	V	0.2	3.8	2.73	181
180970078	2012	8	23	17	V	0.07	3	2.71	180
180970078	2012	8	23	18	V	0.1	3	1.96	147
180970078	2012	8	23	19	V	0.08	2.9	2.21	149
180970078	2012	8	23	20	V	0.08	2.8	2.15	162
180970078	2012	8	23	21	V	0.08	2.9	2.25	152
180970078	2012	8	23	22	V	0.08	2.9	2.23	122
180970078	2012	8	23	23	V	0.2	2.8	1.67	82
180970078	2012	8	23	24	V	0.05	2.5	2.91	80
180970078	2012	8	24	1	V	0.04	2.5	3.03	106
180970078	2012	8	24	2	V	0.07	2.6	2.27	126
180970078	2012	8	24	3	V	0.1	2.5	1.86	109
180970078	2012	8	24	4	V	0.08	2.2	2.05	107
180970078	2012	8	24	5	V	0.2	2.1	1.64	126
180970078	2012	8	24	6	V	1.0	2.2	1.55	128
180970078	2012	8	24	7	V	0.4	2.8	2.67	109
180970078	2012	8	24	8	V	0.8	3.2	1.96	113
180970078	2012	8	24	9	V	0.5	3.5	2.42	141
180970078	2012	8	24	10	V	0.3	4.5	2.67	177
180970078	2012	8	24	11	V	0.8	4	2.35	182
180970078	2012	8	24	12	V	0.2	2.8	2.84	169
180970078	2012	8	24	13	V	0.1	2.5	3.47	151
180970078	2012	8	24	14	V	0.08	2.4	3.75	154
180970078	2012	8	24	15	V	0.08	2.4	3.35	152
180970078	2012	8	24	16	V	0.04	2.4	4.24	136
180970078	2012	8	24	17	V	0.03	2.4	3.98	154
180970078	2012	8	24	18	V	0.05	2.5	3.78	136
180970078	2012	8	24	19	V	0.04	2.5	3.22	156
180970078	2012	8	24	20	V	0.06	2.5	2.44	126
180970078	2012	8	24	21	V	0.06	2.8	2.54	103
180970078	2012	8	24	22	V	0.05	3	2.62	111
180970078	2012	8	24	23	V	0.03	3.3	3.08	121
180970078	2012	8	24	24	V	0.03	3.6	4.2	135
180970078	2012	8	25	1	V	0.03	3.2	4.39	140
180970078	2012	8	25	2	V	0.03	2.8	3.52	145
180970078	2012	8	25	3	V	0.04	2.7	2.66	143
180970078	2012	8	25	4	V	0.08	2.5	1.82	167
180970078	2012	8	25	5	V	1.1	2.3	0.72	161
180970078	2012	8	25	6	V	0.9	2.3	1.37	120
180970078	2012	8	25	7	V	0.6	2.4	1.82	150
180970078	2012	8	25	8	V	1.5	3.2	1.38	172
180970078	2012	8	25	9	V	1.8	15.2	1.16	112
180970078	2012	8	25	10	V	1.3	22.8	1.38	118
180970078	2012	8	25	11	V	2.1	7.3	0.96	101
180970078	2012	8	25	12	V	1.1	4	1.35	158

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	25	13	V	3.2	4.8	2.64	203
180970078	2012	8	25	14	V	0.9	4.8	2.98	188
180970078	2012	8	25	15	V	0.1	4.1	2.61	169
180970078	2012	8	25	16	V	1.3	2.9	4.41	198
180970078	2012	8	25	17	V	0.05	2.6	3.85	189
180970078	2012	8	25	18	V	29.6	2.5	3.08	217
180970078	2012	8	25	19	V	2.3	2.5	2.73	204
180970078	2012	8	25	20	V	0.04	2.7	3.05	196
180970078	2012	8	25	21	V	0.2	3.2	2.32	200
180970078	2012	8	25	22	V	0.09	3.5	1.91	190
180970078	2012	8	25	23	V	0.1	3.6	1.77	145
180970078	2012	8	25	24	V	0.4	3.3	1.13	148
180970078	2012	8	26	1	V	0.03	3.1	3.51	142
180970078	2012	8	26	2	V	0.03	2.7	3.12	161
180970078	2012	8	26	3	V	0.08	2.7	1.81	184
180970078	2012	8	26	4	V	7.8	2.9	1.26	203
180970078	2012	8	26	5	V	0.6	2.8	1.01	254
180970078	2012	8	26	6	V	0.6	2.8	1.7	161
180970078	2012	8	26	7	V	0.4	3.1	2.22	145
180970078	2012	8	26	8	V	0.2	4.4	2.66	171
180970078	2012	8	26	9	V	18.5	20.2	3.22	208
180970078	2012	8	26	10	V	2.2	50.9	4.2	200
180970078	2012	8	26	11	V	0.3	17.6	5.36	197
180970078	2012	8	26	12	V	20.3	9.1	5.17	210
180970078	2012	8	26	13	V	15.4	7.8	5.04	208
180970078	2012	8	26	14	V	1.3	10.9	4.56	198
180970078	2012	8	26	15	V	0.08	7.8	5.7	245
180970078	2012	8	26	16	V	0.08	4.6	3.3	264
180970078	2012	8	26	17	V	0.1	8.1	2.96	235
180970078	2012	8	26	18	V	39.5	22.6	3.15	211
180970078	2012	8	26	19	V	4.6	26.6	3.32	203
180970078	2012	8	26	20	V	0.06	5.4	2.45	182
180970078	2012	8	26	21	V	0.06	3.7	3.25	183
180970078	2012	8	26	22	V	0.05	3.5	3.78	173
180970078	2012	8	26	23	V	0.05	4.1	4.59	171
180970078	2012	8	26	24	V	0.05	5	4.31	187
180970078	2012	8	27	1	V	0.2	6.7	4.77	196
180970078	2012	8	27	2	V	0.1	5.3	4.99	196
180970078	2012	8	27	3	V	1.3	4.7	5.39	200
180970078	2012	8	27	4	V	5.3	5.6	4.66	204
180970078	2012	8	27	5	V	2.5	19.3	3.78	229
180970078	2012	8	27	6	V	0.1	7.3	3.83	257
180970078	2012	8	27	7	V	2.8	3.2	5.17	226
180970078	2012	8	27	8	V	0.4	2.6	5.28	197
180970078	2012	8	27	9	V	8.1	3.5	4.85	221
180970078	2012	8	27	10	V	6.4	4.8	5.43	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	27	11	V	0.1	3.9	5.28	247
180970078	2012	8	27	12	V	0.1	3.1	3.75	309
180970078	2012	8	27	13	V	0.2	3.4	2.83	323
180970078	2012	8	27	14	V	0.1	3	3.47	343
180970078	2012	8	27	15	V	0.05	2.6	4.44	350
180970078	2012	8	27	16	V	0.06	2.4	4.1	344
180970078	2012	8	27	17	V	0.02	2.3	4.8	340
180970078	2012	8	27	18	V	0.04	2.2	5.51	346
180970078	2012	8	27	19	V	0.04	2.3	5.46	356
180970078	2012	8	27	20	V	0.04	2.6	5.33	354
180970078	2012	8	27	21	V	0.04	2.4	4.19	355
180970078	2012	8	27	22	V	0.03	2.3	3.03	354
180970078	2012	8	27	23	V	0.08	2.2	1.84	340
180970078	2012	8	27	24	V	0.05	2.2	2.59	326
180970078	2012	8	28	1	V	0.06	2.2	2.1	336
180970078	2012	8	28	2	V	0.05	2.2	2.3	343
180970078	2012	8	28	3	V	0.05	2.2	2.27	344
180970078	2012	8	28	4	V	0.04	2.1	2.5	335
180970078	2012	8	28	5	V	0.03	2.1	2.86	324
180970078	2012	8	28	6	V	0.1	2.2	3.52	333
180970078	2012	8	28	7	V	0.2	2.3	3.42	338
180970078	2012	8	28	8	V	0.2	2.6	3.63	5
180970078	2012	8	28	9	V	0.1	3.1	3.41	27
180970078	2012	8	28	10	V	0.1	3	3.37	21
180970078	2012	8	28	11	V	0.06	2.5	4.19	31
180970078	2012	8	28	12	V	0.04	2.3	4.7	21
180970078	2012	8	28	13	V	0.03	2.2	5.19	18
180970078	2012	8	28	14	V	0.04	2.3	4.9	37
180970078	2012	8	28	15	V	0.03	2.2	5.12	28
180970078	2012	8	28	16	V	0.02	2.2	5.5	34
180970078	2012	8	28	17	V	0.02	2.2	4.87	40
180970078	2012	8	28	18	V	0.04	2.1	5.16	22
180970078	2012	8	28	19	V	0.04	2.2	5	26
180970078	2012	8	28	20	V	0.04	2.3	3.56	30
180970078	2012	8	28	21	V	0.04	2.4	2.76	32
180970078	2012	8	28	22	V	0.04	2.2	2.59	23
180970078	2012	8	28	23	V	0.05	2.2	2.28	19
180970078	2012	8	28	24	V	0.06	2.3	2.15	47
180970078	2012	8	29	1	V	0.07	2.2	1.98	32
180970078	2012	8	29	2	V	0.3	2.2	1.25	10
180970078	2012	8	29	3	V	0.05	2.2	2.49	29
180970078	2012	8	29	4	V	0.03	2.2	3	32
180970078	2012	8	29	5	V	0.04	2.1	2.69	25
180970078	2012	8	29	6	V	0.5	2.2	1.79	28
180970078	2012	8	29	7	V	0.8	2.3	1.67	36
180970078	2012	8	29	8	V	1.9	2.6	1.26	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	29	9	V	2.9	3.2	0.92	89
180970078	2012	8	29	10	V	2.8	3.6	0.84	170
180970078	2012	8	29	11	V	1.9	3.1	1.04	253
180970078	2012	8	29	12	V	0.8	2.7	1.54	292
180970078	2012	8	29	13	V	0.1	2.6	3.1	326
180970078	2012	8	29	14	V	0.4	2.6	2.04	341
180970078	2012	8	29	15	V	0.3	2.5	2.28	45
180970078	2012	8	29	16	V	0.2	2.4	2.13	350
180970078	2012	8	29	17	V	0.03	2.4	2.49	10
180970078	2012	8	29	18	V	0.04	2.4	3.07	56
180970078	2012	8	29	19	V	0.04	2.5	3.52	85
180970078	2012	8	29	20	V	0.04	2.6	3.34	86
180970078	2012	8	29	21	V	0.04	2.6	2.89	69
180970078	2012	8	29	22	V	0.03	2.4	3.83	70
180970078	2012	8	29	23	V	0.03	2.2	3.59	75
180970078	2012	8	29	24	V	0.03	2.3	3.41	78
180970078	2012	8	30	1	V	0.03	2.3	3.61	84
180970078	2012	8	30	2	V	0.03	2.2	2.91	83
180970078	2012	8	30	3	V	0.05	2.2	2.44	96
180970078	2012	8	30	4	V	0.05	2.2	2.38	108
180970078	2012	8	30	5	V	0.03	2.4	2.79	99
180970078	2012	8	30	6	V	0.2	3.1	2.69	108
180970078	2012	8	30	7	V	0.5	4.4	1.98	109
180970078	2012	8	30	8	V	0.7	8.6	1.99	110
180970078	2012	8	30	9	V	0.2	14	3.08	126
180970078	2012	8	30	10	V	0.08	8.9	3.93	141
180970078	2012	8	30	11	V	0.08	5.7	4.15	141
180970078	2012	8	30	12	V	0.08	5.3	4.09	136
180970078	2012	8	30	13	V	0.07	5.9	4.02	136
180970078	2012	8	30	14	V	0.06	6.3	4.37	160
180970078	2012	8	30	15	V	0.04	5.2	4.82	156
180970078	2012	8	30	16	V	0.04	4.1	4.54	153
180970078	2012	8	30	17	V	0.04	3.5	2.96	154
180970078	2012	8	30	18	V	0.1	3.5	1.77	161
180970078	2012	8	30	19	V	0.07	3.4	2.32	146
180970078	2012	8	30	20	V	0.07	3.4	2.32	136
180970078	2012	8	30	21	V	0.1	3.5	1.93	115
180970078	2012	8	30	22	V	0.04	3.8	2.62	137
180970078	2012	8	30	23	V	0.5	3.4	1.03	187
180970078	2012	8	30	24	V	0.7	3.4	0.92	140
180970078	2012	8	31	1	V	0.05	3.7	2.45	163
180970078	2012	8	31	2	V	0.03	4.1	3.01	197
180970078	2012	8	31	3	V	5.4	5.8	2.42	225
180970078	2012	8	31	4	V	21.0	10.2	3.32	217
180970078	2012	8	31	5	V	17.8	13.9	3.78	209
180970078	2012	8	31	6	V	18.3	7.9	3.46	209

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	8	31	7	V	3.1	9.2	2.44	194
180970078	2012	8	31	8	V	0.5	13.1	2.64	179
180970078	2012	8	31	9	V	9.6	26.3	4.09	205
180970078	2012	8	31	10	V	13.6	24.8	5.29	215
180970078	2012	8	31	11	V	13.0	11.4	5.05	218
180970078	2012	8	31	12	V	19.5	9.2	3.22	207
180970078	2012	8	31	13	V	18.4	38.5	3.73	207
180970078	2012	8	31	14	V	24.0	29	3.39	217
180970078	2012	8	31	15	V	0.5	27	2.88	193
180970078	2012	8	31	16	V	0.2	7.9	2.93	149
180970078	2012	8	31	17	V	0.05	4.9	3.66	157
180970078	2012	8	31	18	V	0.05	4.3	4.85	180
180970078	2012	8	31	19	V	0.04	3.5	3.93	181
180970078	2012	8	31	20	V	0.04	3.4	3.54	159
180970078	2012	8	31	21	V	0.04	3.2	4.05	150
180970078	2012	8	31	22	V	0.04	-999	4.08	156
180970078	2012	8	31	23	V	0.04	-999	3.4	163
180970078	2012	8	31	24	V	0.04	3.8	3.25	167
180970078	2012	9	1	1	V	0.03	3.8	3.22	176
180970078	2012	9	1	2	V	0.05	3.5	2.49	156
180970078	2012	9	1	3	V	0.05	3.2	2.3	150
180970078	2012	9	1	4	V	0.04	3	2.69	108
180970078	2012	9	1	5	V	0.04	2.8	3.05	102
180970078	2012	9	1	6	V	0.1	2.7	3.18	107
180970078	2012	9	1	7	V	0.2	2.7	3.27	117
180970078	2012	9	1	8	V	0.1	2.9	3.83	127
180970078	2012	9	1	9	V	0.07	3.3	4.36	140
180970078	2012	9	1	10	V	0.1	3.5	3.75	152
180970078	2012	9	1	11	V	0.08	3.6	4.02	167
180970078	2012	9	1	12	V	0.06	3.2	4.19	168
180970078	2012	9	1	13	V	0.1	3.1	3.69	163
180970078	2012	9	1	14	V	0.4	2.7	1.86	179
180970078	2012	9	1	15	V	0.09	2.6	3.05	157
180970078	2012	9	1	16	V	0.04	2.6	4.05	124
180970078	2012	9	1	17	V	0.02	2.5	3.9	99
180970078	2012	9	1	18	V	0.06	2.4	3.47	110
180970078	2012	9	1	19	V	0.05	2.3	4.05	115
180970078	2012	9	1	20	V	0.06	2.2	3.86	116
180970078	2012	9	1	21	V	0.05	2.2	4.93	117
180970078	2012	9	1	22	V	0.05	2.2	5.16	117
180970078	2012	9	1	23	V	0.05	2.3	5.36	122
180970078	2012	9	1	24	V	0.04	2.8	5.92	123
180970078	2012	9	2	1	V	0.04	3.4	5.36	124
180970078	2012	9	2	2	V	0.04	3.5	5.21	145
180970078	2012	9	2	3	V	0.04	3.1	4.37	131
180970078	2012	9	2	4	V	0.04	2.6	4.12	112

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	2	5	V	0.04	2.7	4.7	128
180970078	2012	9	2	6	V	0.06	2.7	4.2	119
180970078	2012	9	2	7	V	0.05	2.5	4.8	105
180970078	2012	9	2	8	V	0.02	2.6	6.43	105
180970078	2012	9	2	9	V	0.02	3	6.01	108
180970078	2012	9	2	10	V	0.01	3.9	6.98	112
180970078	2012	9	2	11	V	0.01	3.2	7.31	106
180970078	2012	9	2	12	V	0.01	2.7	7.43	107
180970078	2012	9	2	13	V	0.02	2.5	6.53	110
180970078	2012	9	2	14	V	0.03	2.5	5.51	100
180970078	2012	9	2	15	V	0.02	2.3	6.28	113
180970078	2012	9	2	16	V	0.02	2.2	5.02	114
180970078	2012	9	2	17	V	0.08	2.2	4.52	122
180970078	2012	9	2	18	V	0.06	2.2	3.9	82
180970078	2012	9	2	19	V	0.05	2.2	4.53	105
180970078	2012	9	2	20	V	0.05	2.2	4.29	88
180970078	2012	9	2	21	V	0.05	2.2	3.93	79
180970078	2012	9	2	22	V	0.05	2.2	4.49	66
180970078	2012	9	2	23	V	0.05	2.2	4.71	78
180970078	2012	9	2	24	V	0.04	2.2	5.1	96
180970078	2012	9	3	1	V	0.04	2.2	4.17	90
180970078	2012	9	3	2	V	0.04	2.1	4.46	77
180970078	2012	9	3	3	V	0.04	2.2	4.15	74
180970078	2012	9	3	4	V	0.04	2.1	3.97	60
180970078	2012	9	3	5	V	0.04	2.1	3.92	61
180970078	2012	9	3	6	V	0.09	2.1	3.47	63
180970078	2012	9	3	7	V	0.2	2.1	3.17	57
180970078	2012	9	3	8	V	0.2	2.1	3.12	35
180970078	2012	9	3	9	V	0.1	2.2	2.95	53
180970078	2012	9	3	10	V	0.1	2.3	3.08	81
180970078	2012	9	3	11	V	0.3	2.6	2.35	86
180970078	2012	9	3	12	V	0.2	2.6	2.74	45
180970078	2012	9	3	13	V	0.1	3.2	3.17	54
180970078	2012	9	3	14	V	0.1	3.1	3.42	33
180970078	2012	9	3	15	V	0.07	2.8	3.63	22
180970078	2012	9	3	16	V	0.07	2.6	3.22	30
180970078	2012	9	3	17	V	0.02	2.4	2.88	15
180970078	2012	9	3	18	V	0.05	2.3	3.24	28
180970078	2012	9	3	19	V	0.05	2.3	3.08	35
180970078	2012	9	3	20	V	0.08	2.2	2.32	19
180970078	2012	9	3	21	V	0.06	2.2	2.64	25
180970078	2012	9	3	22	V	0.06	2.2	2.66	22
180970078	2012	9	3	23	V	0.05	2.1	2.67	71
180970078	2012	9	3	24	V	0.05	2.1	2.39	62
180970078	2012	9	4	1	V	0.06	2.1	2.23	55
180970078	2012	9	4	2	V	0.1	2.2	1.54	76

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	4	3	V	0.3	2.1	1.18	334
180970078	2012	9	4	4	V	0.4	2.1	1.08	105
180970078	2012	9	4	5	V	0.2	2.1	1.37	193
180970078	2012	9	4	6	V	0.3	2.2	1.71	298
180970078	2012	9	4	7	V	1.7	2.1	0.97	324
180970078	2012	9	4	8	V	0.8	2.3	1.57	355
180970078	2012	9	4	9	V	0.7	2.9	1.69	357
180970078	2012	9	4	10	V	3.0	3.6	1.18	34
180970078	2012	9	4	11	V	1.9	3.2	1.16	290
180970078	2012	9	4	12	V	0.6	2.8	1.86	305
180970078	2012	9	4	13	V	0.7	2.5	1.89	298
180970078	2012	9	4	14	V	1.2	2.4	1.4	294
180970078	2012	9	4	15	V	0.2	2.4	2.28	270
180970078	2012	9	4	16	V	0.4	2.5	2.55	243
180970078	2012	9	4	17	V	0.09	2.4	2.3	248
180970078	2012	9	4	18	V	0.7	2.3	2.23	250
180970078	2012	9	4	19	V	0.09	2.4	2.16	275
180970078	2012	9	4	20	V	0.1	2.5	2.74	240
180970078	2012	9	4	21	V	1.9	2.5	2.73	228
180970078	2012	9	4	22	V	0.3	2.6	2.52	253
180970078	2012	9	4	23	V	0.09	2.6	1.88	306
180970078	2012	9	4	24	V	0.2	2.8	1.47	4
180970078	2012	9	5	1	C	-999	2.8	0	0
180970078	2012	9	5	2	C	-999	2.8	0	0
180970078	2012	9	5	3	C	-999	2.9	0	0
180970078	2012	9	5	4	V	0.05	2.7	2.36	82
180970078	2012	9	5	5	V	0.1	2.7	1.76	105
180970078	2012	9	5	6	V	20.8	2.3	1.76	210
180970078	2012	9	5	7	C	-999	2.3	0	0
180970078	2012	9	5	8	V	8.6	2.4	2.36	202
180970078	2012	9	5	9	V	0.8	2.5	3.46	194
180970078	2012	9	5	10	V	0.4	3.6	3.05	194
180970078	2012	9	5	11	V	1.1	15	3.05	235
180970078	2012	9	5	12	V	0.01	7.3	7.45	328
180970078	2012	9	5	13	V	0.1	3.6	2.98	26
180970078	2012	9	5	14	V	0.02	3	5.26	181
180970078	2012	9	5	15	V	0.05	2.6	4.19	117
180970078	2012	9	5	16	V	0.03	2.5	4.41	107
180970078	2012	9	5	17	V	0.02	2.9	3.2	173
180970078	2012	9	5	18	V	0.05	3	2.64	152
180970078	2012	9	5	19	V	0.05	3.1	3.08	133
180970078	2012	9	5	20	V	0.08	2.9	2.35	197
180970078	2012	9	5	21	V	0.07	2.9	3.07	240
180970078	2012	9	5	22	V	0.4	2.8	3.7	249
180970078	2012	9	5	23	V	0.4	2.9	3.63	251
180970078	2012	9	5	24	V	0.8	2.9	2.42	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	6	1	V	24.8	2.9	2.49	217
180970078	2012	9	6	2	V	18.5	2.9	2.52	220
180970078	2012	9	6	3	V	27.3	2.9	2.32	216
180970078	2012	9	6	4	V	13.6	2.9	2.3	222
180970078	2012	9	6	5	V	0.06	3	2.32	198
180970078	2012	9	6	6	V	2.7	3.3	2.23	198
180970078	2012	9	6	7	V	13.2	3.5	1.84	226
180970078	2012	9	6	8	V	15.3	3.2	1.91	226
180970078	2012	9	6	9	V	16.3	4	2.38	225
180970078	2012	9	6	10	V	21.2	5.2	2.5	204
180970078	2012	9	6	11	V	21.4	5.2	2.16	204
180970078	2012	9	6	12	V	20.2	4.6	1.86	206
180970078	2012	9	6	13	V	10.3	4.3	2.16	222
180970078	2012	9	6	14	V	8.3	5.2	3.05	205
180970078	2012	9	6	15	V	9.4	8.6	4.02	209
180970078	2012	9	6	16	V	1.5	10.6	4.8	200
180970078	2012	9	6	17	V	1.3	11.5	4.68	203
180970078	2012	9	6	18	V	18.3	17.5	4.46	207
180970078	2012	9	6	19	V	23.4	25.1	4.22	208
180970078	2012	9	6	20	V	14.3	20	3.83	206
180970078	2012	9	6	21	V	0.05	14.9	3.07	186
180970078	2012	9	6	22	V	0.07	6.8	2.15	161
180970078	2012	9	6	23	V	19.5	4.9	2.1	220
180970078	2012	9	6	24	V	0.05	4	2.86	239
180970078	2012	9	7	1	V	12.9	3.5	2.69	222
180970078	2012	9	7	2	V	0.7	3.3	2.25	202
180970078	2012	9	7	3	V	30.4	3.5	1.84	216
180970078	2012	9	7	4	V	26.2	3.3	0.69	220
180970078	2012	9	7	5	V	0.1	3.2	1.72	127
180970078	2012	9	7	6	V	0.2	3.1	3.08	143
180970078	2012	9	7	7	V	0.5	3	2.52	152
180970078	2012	9	7	8	V	0.9	3.2	2.22	171
180970078	2012	9	7	9	V	0.4	22.7	2.84	175
180970078	2012	9	7	10	V	7.2	15	3.54	200
180970078	2012	9	7	11	V	1.2	21.1	3.73	195
180970078	2012	9	7	12	V	2.0	31.2	5.07	228
180970078	2012	9	7	13	V	0.1	9	4.32	281
180970078	2012	9	7	14	V	0.5	5.8	1.67	292
180970078	2012	9	7	15	V	0.09	4.8	3.8	334
180970078	2012	9	7	16	V	0.1	4.3	2.9	39
180970078	2012	9	7	17	V	0.09	4.1	4.34	32
180970078	2012	9	7	18	V	0.06	3.5	4.78	83
180970078	2012	9	7	19	V	0.06	3.2	3.86	110
180970078	2012	9	7	20	V	0.05	3.1	6.06	62
180970078	2012	9	7	21	V	0.04	2.6	8.66	359
180970078	2012	9	7	22	V	0.05	-999	4.1	70

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	7	23	V	0.03	-999	3.08	69
180970078	2012	9	7	24	V	0.04	2.3	1.81	340
180970078	2012	9	8	1	V	0.02	2.2	2.76	272
180970078	2012	9	8	2	V	0.01	2.3	6.01	318
180970078	2012	9	8	3	V	0.01	2.3	6.24	333
180970078	2012	9	8	4	V	0.01	2.1	6.57	342
180970078	2012	9	8	5	V	0.01	2.1	4.7	335
180970078	2012	9	8	6	V	0.01	2.2	5.44	331
180970078	2012	9	8	7	V	0.02	2.1	4.73	322
180970078	2012	9	8	8	V	0.01	2.2	5.17	311
180970078	2012	9	8	9	V	0.01	2.3	5.9	319
180970078	2012	9	8	10	V	0.01	2.5	5.58	325
180970078	2012	9	8	11	V	0.01	2.7	6.04	318
180970078	2012	9	8	12	V	0.01	2.6	5.43	314
180970078	2012	9	8	13	V	0.01	2.6	5.04	302
180970078	2012	9	8	14	V	0.01	2.4	4.63	289
180970078	2012	9	8	15	V	0.01	2.4	5.6	284
180970078	2012	9	8	16	V	0.01	2.4	5.6	279
180970078	2012	9	8	17	V	0.02	2.3	5.63	280
180970078	2012	9	8	18	V	0.01	2.3	6.01	273
180970078	2012	9	8	19	V	0.01	2.3	4.27	273
180970078	2012	9	8	20	V	0.04	2.3	3.64	258
180970078	2012	9	8	21	V	0.3	2.4	3.44	245
180970078	2012	9	8	22	V	0.4	2.3	2.96	251
180970078	2012	9	8	23	V	0.2	2.3	3.74	243
180970078	2012	9	8	24	V	0.02	2.3	2.95	240
180970078	2012	9	9	1	V	2.5	2.2	2.98	226
180970078	2012	9	9	2	V	0.04	2.2	3.12	238
180970078	2012	9	9	3	V	0.3	2.5	2.91	245
180970078	2012	9	9	4	V	1.1	2.7	3.64	230
180970078	2012	9	9	5	V	7.7	2.8	2.93	215
180970078	2012	9	9	6	V	0.06	3	2.86	173
180970078	2012	9	9	7	V	6.3	2.8	2.64	213
180970078	2012	9	9	8	V	0.7	5.1	2.96	239
180970078	2012	9	9	9	V	0.05	4.3	3.4	287
180970078	2012	9	9	10	V	0.06	3.7	3.15	317
180970078	2012	9	9	11	V	0.03	3.4	4.03	333
180970078	2012	9	9	12	V	0.01	3.4	5.55	5
180970078	2012	9	9	13	V	0.01	3	5.62	16
180970078	2012	9	9	14	V	0.01	2.4	5.31	2
180970078	2012	9	9	15	V	0.01	2.4	4.95	353
180970078	2012	9	9	16	V	0.01	2.2	4.87	358
180970078	2012	9	9	17	V	0.02	2.3	5.26	357
180970078	2012	9	9	18	V	0.01	2.5	5.79	329
180970078	2012	9	9	19	V	0.01	2.6	4.78	332
180970078	2012	9	9	20	V	0.01	2.4	4.44	355

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	9	21	V	0.01	2.3	3.42	339
180970078	2012	9	9	22	V	0.01	2.3	4.76	338
180970078	2012	9	9	23	V	0.01	2.4	5.07	358
180970078	2012	9	9	24	V	0.01	2.3	4.1	2
180970078	2012	9	10	1	V	0.01	2.1	3.66	13
180970078	2012	9	10	2	V	0.03	2.1	2.13	351
180970078	2012	9	10	3	V	0.05	2.1	1.96	329
180970078	2012	9	10	4	V	0.09	2	1.55	340
180970078	2012	9	10	5	V	0.5	2.1	0.96	297
180970078	2012	9	10	6	V	0.3	2.1	1.52	343
180970078	2012	9	10	7	V	0.5	2.1	1.99	360
180970078	2012	9	10	8	V	0.6	2.4	2.33	29
180970078	2012	9	10	9	V	0.6	3	2.01	56
180970078	2012	9	10	10	V	1.5	3	1.33	93
180970078	2012	9	10	11	V	1.1	2.6	1.53	129
180970078	2012	9	10	12	V	0.4	2.4	2.11	149
180970078	2012	9	10	13	V	0.6	2.3	1.82	130
180970078	2012	9	10	14	V	0.6	2.3	1.79	123
180970078	2012	9	10	15	V	3.4	2.2	2.27	195
180970078	2012	9	10	16	V	0.2	2.2	2.15	176
180970078	2012	9	10	17	V	0.09	2.3	1.89	189
180970078	2012	9	10	18	V	0.09	2.2	2.1	195
180970078	2012	9	10	19	V	31.0	2.4	2.3	209
180970078	2012	9	10	20	V	47.7	2.6	2.03	212
180970078	2012	9	10	21	V	0.2	3.1	1.6	195
180970078	2012	9	10	22	V	18.6	3.3	0.65	204
180970078	2012	9	10	23	V	0.2	3.2	1.45	149
180970078	2012	9	10	24	V	0.2	2.8	1.48	139
180970078	2012	9	11	1	V	0.04	2.3	2.66	169
180970078	2012	9	11	2	V	0.1	2.3	1.74	170
180970078	2012	9	11	3	V	0.09	2.2	1.79	166
180970078	2012	9	11	4	V	0.08	2.2	1.99	143
180970078	2012	9	11	5	V	0.2	2.1	1.33	108
180970078	2012	9	11	6	V	0.5	2.5	1.67	108
180970078	2012	9	11	7	V	0.8	2.8	1.62	120
180970078	2012	9	11	8	V	0.7	3.5	1.94	138
180970078	2012	9	11	9	V	0.4	3.5	2.27	172
180970078	2012	9	11	10	V	0.05	3.4	4.37	178
180970078	2012	9	11	11	V	0.04	4.1	4.63	176
180970078	2012	9	11	12	V	0.06	8.9	4.15	179
180970078	2012	9	11	13	V	0.2	6	3.8	187
180970078	2012	9	11	14	V	0.07	3.6	3.69	180
180970078	2012	9	11	15	V	0.07	3	3.44	174
180970078	2012	9	11	16	V	0.09	2.8	3.59	189
180970078	2012	9	11	17	V	0.05	2.7	4.15	188
180970078	2012	9	11	18	V	0.04	2.7	3.78	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	11	19	V	0.03	2.7	3.27	175
180970078	2012	9	11	20	V	0.03	2.9	3.4	155
180970078	2012	9	11	21	V	0.03	2.7	3.64	154
180970078	2012	9	11	22	V	0.03	2.7	3.54	147
180970078	2012	9	11	23	V	0.03	2.9	4.34	160
180970078	2012	9	11	24	V	0.03	3	3.73	164
180970078	2012	9	12	1	V	0.03	2.8	3.35	161
180970078	2012	9	12	2	V	0.03	2.6	2.83	171
180970078	2012	9	12	3	V	0.06	2.3	2.08	152
180970078	2012	9	12	4	V	0.05	2.3	2.49	139
180970078	2012	9	12	5	V	0.08	2.2	1.96	121
180970078	2012	9	12	6	V	0.3	2.3	1.77	118
180970078	2012	9	12	7	V	0.6	2.5	1.94	140
180970078	2012	9	12	8	V	0.8	3.2	1.86	146
180970078	2012	9	12	9	V	0.6	3.6	2.32	175
180970078	2012	9	12	10	V	1.3	13.7	2.88	191
180970078	2012	9	12	11	V	6.1	46.6	4	205
180970078	2012	9	12	12	V	6.8	39	4.07	205
180970078	2012	9	12	13	V	10.7	16	5.33	213
180970078	2012	9	12	14	V	6.3	11.8	4.27	223
180970078	2012	9	12	15	V	4.3	9.8	5.09	204
180970078	2012	9	12	16	V	12.2	8.5	6.11	213
180970078	2012	9	12	17	V	31.2	16.1	4.56	210
180970078	2012	9	12	18	V	30.3	14.3	3.54	209
180970078	2012	9	12	19	V	0.04	4.4	3.81	190
180970078	2012	9	12	20	V	0.05	3.5	3.52	186
180970078	2012	9	12	21	V	0.05	3.2	3.37	177
180970078	2012	9	12	22	V	0.04	3.1	2.61	187
180970078	2012	9	12	23	V	0.04	3.2	3.68	178
180970078	2012	9	12	24	V	0.04	3.1	3.88	181
180970078	2012	9	13	1	V	0.04	3.2	3.46	171
180970078	2012	9	13	2	V	0.04	3.1	3.66	171
180970078	2012	9	13	3	V	0.04	2.9	2.62	185
180970078	2012	9	13	4	V	15.1	2.8	2.73	208
180970078	2012	9	13	5	V	23.4	2.9	2.15	218
180970078	2012	9	13	6	V	8.2	2.9	1.77	202
180970078	2012	9	13	7	V	0.6	3.3	1.76	181
180970078	2012	9	13	8	V	4.2	3.5	2.37	195
180970078	2012	9	13	9	V	0.8	4.4	2.35	188
180970078	2012	9	13	10	V	0.3	12	3.07	158
180970078	2012	9	13	11	V	1.4	16.4	3.68	196
180970078	2012	9	13	12	V	8.3	25	3.73	204
180970078	2012	9	13	13	V	8.9	37.3	3.91	210
180970078	2012	9	13	14	V	9.6	13.6	4.05	213
180970078	2012	9	13	15	V	7.7	12.3	3.37	216
180970078	2012	9	13	16	V	7.9	25.1	3.71	217

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	13	17	V	0.06	20.2	4.07	184
180970078	2012	9	13	18	V	0.04	5.6	4.1	194
180970078	2012	9	13	19	V	0.3	11.6	3.46	201
180970078	2012	9	13	20	V	0.03	4.8	3.56	184
180970078	2012	9	13	21	V	0.05	3.6	2.44	197
180970078	2012	9	13	22	V	7.4	3.5	1.91	225
180970078	2012	9	13	23	V	19.7	3.3	1.42	207
180970078	2012	9	13	24	V	0.08	3.1	1.88	263
180970078	2012	9	14	1	V	0.04	3.4	2.91	323
180970078	2012	9	14	2	V	0.03	2.8	4.29	336
180970078	2012	9	14	3	V	0.03	2.4	3.18	4
180970078	2012	9	14	4	V	0.03	2.3	3.15	11
180970078	2012	9	14	5	V	0.04	2.3	3.42	26
180970078	2012	9	14	6	V	0.07	2.3	3.54	12
180970078	2012	9	14	7	V	0.04	2.3	5.39	346
180970078	2012	9	14	8	V	0.05	2.2	5.29	356
180970078	2012	9	14	9	V	0.06	2.1	5.24	1
180970078	2012	9	14	10	V	0.07	2.1	5.05	5
180970078	2012	9	14	11	V	0.08	2.1	5.07	24
180970078	2012	9	14	12	V	0.05	2.2	5.24	22
180970078	2012	9	14	13	V	0.04	2.3	5.94	18
180970078	2012	9	14	14	V	0.02	2.2	6.7	33
180970078	2012	9	14	15	V	0.03	2.2	6.01	33
180970078	2012	9	14	16	V	0.04	2.3	5.04	37
180970078	2012	9	14	17	V	0.06	2.3	4.09	23
180970078	2012	9	14	18	V	0.05	2.2	3.46	30
180970078	2012	9	14	19	V	0.07	2.3	2.3	40
180970078	2012	9	14	20	V	0.4	2.4	1.23	40
180970078	2012	9	14	21	C	-999	2.5	0	0
180970078	2012	9	14	22	V	0.5	2.6	1.11	330
180970078	2012	9	14	23	V	0.3	3	1.28	323
180970078	2012	9	14	24	V	0.2	3.2	1.25	336
180970078	2012	9	15	1	V	0.1	3.5	1.45	328
180970078	2012	9	15	2	V	0.1	3.3	1.08	291
180970078	2012	9	15	3	V	0.04	3.3	1.62	302
180970078	2012	9	15	4	V	0.4	3.1	0.77	299
180970078	2012	9	15	5	V	0.4	3.2	1.11	250
180970078	2012	9	15	6	V	0.2	3.3	1.28	320
180970078	2012	9	15	7	V	1.8	3.5	0.63	51
180970078	2012	9	15	8	V	0.6	4	1.08	99
180970078	2012	9	15	9	V	0.8	3.2	1.06	59
180970078	2012	9	15	10	V	0.3	2.8	1.5	121
180970078	2012	9	15	11	V	0.06	2.6	2.54	138
180970078	2012	9	15	12	V	0.07	2.7	2.25	132
180970078	2012	9	15	13	V	0.1	2.7	1.84	164
180970078	2012	9	15	14	V	0.07	2.7	2.01	135

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	15	15	V	0.05	2.5	2.05	154
180970078	2012	9	15	16	V	0.03	2.6	2.15	127
180970078	2012	9	15	17	V	2.5	2.5	1.69	209
180970078	2012	9	15	18	V	0.09	2.5	1.42	240
180970078	2012	9	15	19	V	13.0	2.4	1.65	217
180970078	2012	9	15	20	V	0.7	2.7	1.71	232
180970078	2012	9	15	21	V	0.3	2.8	0.92	260
180970078	2012	9	15	22	V	0.1	2.9	1.57	255
180970078	2012	9	15	23	V	0.2	3.3	1.01	289
180970078	2012	9	15	24	V	0.05	3.5	1.55	76
180970078	2012	9	16	1	V	0.1	3.3	1.13	15
180970078	2012	9	16	2	V	0.8	3.5	0.69	354
180970078	2012	9	16	3	C	-999	3	0	0
180970078	2012	9	16	4	V	0.06	3.2	1.89	55
180970078	2012	9	16	5	V	0.1	2.8	1.37	43
180970078	2012	9	16	6	V	0.3	2.8	1.55	75
180970078	2012	9	16	7	V	1.0	2.4	1.37	79
180970078	2012	9	16	8	V	3.8	2.4	0.86	60
180970078	2012	9	16	9	V	0.4	2.8	2.15	125
180970078	2012	9	16	10	V	0.1	4.1	3.17	147
180970078	2012	9	16	11	V	0.2	4.1	2.86	145
180970078	2012	9	16	12	V	0.09	3.8	3.44	129
180970078	2012	9	16	13	V	0.2	3.8	2.69	121
180970078	2012	9	16	14	V	0.1	3.7	2.64	145
180970078	2012	9	16	15	V	0.1	3.3	2.5	160
180970078	2012	9	16	16	V	0.3	3	2.35	188
180970078	2012	9	16	17	V	0.07	2.9	1.99	197
180970078	2012	9	16	18	V	2.8	2.9	2.76	204
180970078	2012	9	16	19	V	34.7	3.9	2.45	215
180970078	2012	9	16	20	V	23.9	3.5	1.33	206
180970078	2012	9	16	21	V	60.9	3.1	1.28	212
180970078	2012	9	16	22	V	54.9	3.5	1.72	213
180970078	2012	9	16	23	V	0.5	3.3	1.21	240
180970078	2012	9	16	24	V	0.4	3.2	1.25	275
180970078	2012	9	17	1	V	6.4	3.2	1.03	200
180970078	2012	9	17	2	V	0.6	3.1	0.96	108
180970078	2012	9	17	3	V	0.6	2.7	0.96	169
180970078	2012	9	17	4	V	0.8	2.7	1.33	235
180970078	2012	9	17	5	V	1.2	2.8	0.79	80
180970078	2012	9	17	6	V	0.4	3.3	1.74	146
180970078	2012	9	17	7	V	9.9	3.7	1.18	192
180970078	2012	9	17	8	V	13.5	3.5	0.91	196
180970078	2012	9	17	9	V	2.3	3.9	1.06	124
180970078	2012	9	17	10	V	0.3	4.5	2.38	152
180970078	2012	9	17	11	V	0.2	5.6	2.61	174
180970078	2012	9	17	12	V	0.4	5.7	2.45	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	17	13	V	0.3	5.2	2.05	176
180970078	2012	9	17	14	V	0.2	4.9	2.52	180
180970078	2012	9	17	15	V	0.06	3.8	3.58	182
180970078	2012	9	17	16	V	0.3	3	2.93	196
180970078	2012	9	17	17	V	0.6	3.4	4.22	198
180970078	2012	9	17	18	V	13.3	3.4	3.08	206
180970078	2012	9	17	19	V	0.6	3	4.51	233
180970078	2012	9	17	20	V	0.5	2.7	1.99	250
180970078	2012	9	17	21	V	0.2	2.6	1.59	131
180970078	2012	9	17	22	V	0.06	2.5	2.86	125
180970078	2012	9	17	23	V	0.06	2.5	3.98	163
180970078	2012	9	17	24	V	6.8	2.5	4.14	225
180970078	2012	9	18	1	V	0.3	2.4	3.9	250
180970078	2012	9	18	2	V	0.2	2.4	3.17	255
180970078	2012	9	18	3	V	0.04	2.3	4.31	286
180970078	2012	9	18	4	V	0.03	2.3	5.65	319
180970078	2012	9	18	5	V	0.03	2.3	7.06	325
180970078	2012	9	18	6	V	0.04	2.2	7.08	319
180970078	2012	9	18	7	V	0.02	2.3	7.47	320
180970078	2012	9	18	8	V	0.02	2.2	6.99	313
180970078	2012	9	18	9	V	0.02	2.2	7.15	313
180970078	2012	9	18	10	V	0.02	2.3	7.4	311
180970078	2012	9	18	11	V	0.02	2.5	8.37	312
180970078	2012	9	18	12	V	0.02	2.7	8.03	317
180970078	2012	9	18	13	V	0.02	2.5	8.27	314
180970078	2012	9	18	14	V	0.02	2.4	7.55	310
180970078	2012	9	18	15	V	0.02	2.3	7.33	300
180970078	2012	9	18	16	V	0.01	2.3	8.36	290
180970078	2012	9	18	17	V	0.04	2.3	8.2	303
180970078	2012	9	18	18	V	0.03	2.3	7.93	315
180970078	2012	9	18	19	V	0.04	2.3	5.63	316
180970078	2012	9	18	20	V	0.04	2.3	4.19	322
180970078	2012	9	18	21	V	0.04	2.3	3.54	330
180970078	2012	9	18	22	V	0.06	2.2	2.56	323
180970078	2012	9	18	23	V	0.07	2.1	2.28	312
180970078	2012	9	18	24	V	0.08	2.2	2.13	298
180970078	2012	9	19	1	V	0.08	2.3	2.05	270
180970078	2012	9	19	2	V	0.3	2.5	2.57	245
180970078	2012	9	19	3	V	0.2	2.6	2.28	244
180970078	2012	9	19	4	V	0.08	3.2	2.1	238
180970078	2012	9	19	5	V	0.2	3.6	2.01	235
180970078	2012	9	19	6	V	2.7	3.5	1.89	196
180970078	2012	9	19	7	V	11.2	3.2	1.43	232
180970078	2012	9	19	8	V	21.8	3.7	1.81	224
180970078	2012	9	19	9	V	24.0	23.9	2.03	218
180970078	2012	9	19	10	V	14.7	65.7	3.42	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	19	11	V	9.9	20.7	4.17	212
180970078	2012	9	19	12	V	7.5	24.9	3.9	218
180970078	2012	9	19	13	V	6.8	21.3	3.64	208
180970078	2012	9	19	14	V	3.6	24.5	4.59	203
180970078	2012	9	19	15	V	1.0	12.7	5.11	199
180970078	2012	9	19	16	V	0.1	4.5	5.44	197
180970078	2012	9	19	17	V	0.03	2.5	6.75	189
180970078	2012	9	19	18	V	0.03	2.5	6.41	173
180970078	2012	9	19	19	V	0.03	2.7	4.75	173
180970078	2012	9	19	20	V	0.04	3.2	4.32	174
180970078	2012	9	19	21	V	0.03	3.3	4.26	181
180970078	2012	9	19	22	V	0.03	3.2	4.37	176
180970078	2012	9	19	23	V	0.03	3.1	5.94	170
180970078	2012	9	19	24	V	0.03	2.7	5.89	169
180970078	2012	9	20	1	V	1.8	2.6	3.44	204
180970078	2012	9	20	2	V	0.02	2.5	4.31	183
180970078	2012	9	20	3	V	0.02	2.6	4.59	170
180970078	2012	9	20	4	V	0.02	2.8	3.98	177
180970078	2012	9	20	5	V	0.02	3	3.54	177
180970078	2012	9	20	6	V	0.04	3.3	5.48	195
180970078	2012	9	20	7	V	0.04	3.4	5.29	193
180970078	2012	9	20	8	V	3.7	4.1	5.05	204
180970078	2012	9	20	9	V	1.0	16.6	5.73	200
180970078	2012	9	20	10	V	10.1	24.7	5.33	217
180970078	2012	9	20	11	V	0.3	11.4	6.57	232
180970078	2012	9	20	12	V	0.07	4.9	6.77	236
180970078	2012	9	20	13	V	1.2	4.5	6.63	228
180970078	2012	9	20	14	V	1.8	5.8	6.7	226
180970078	2012	9	20	15	V	5.2	7.5	6.16	219
180970078	2012	9	20	16	V	7.0	10.3	5.84	213
180970078	2012	9	20	17	V	17.5	10.8	5.48	213
180970078	2012	9	20	18	V	18.9	12.8	4.9	213
180970078	2012	9	20	19	V	21.7	11.2	3.23	211
180970078	2012	9	20	20	V	13.1	8.6	3.12	221
180970078	2012	9	20	21	V	19.1	4.7	2.42	219
180970078	2012	9	20	22	V	0.1	3.3	2.11	255
180970078	2012	9	20	23	V	0.05	3.3	2.03	288
180970078	2012	9	20	24	V	0.07	3.1	1.79	269
180970078	2012	9	21	1	V	0.07	2.6	1.79	263
180970078	2012	9	21	2	V	0.06	2.4	1.91	259
180970078	2012	9	21	3	V	0.05	2.4	1.99	260
180970078	2012	9	21	4	V	0.06	2.4	1.91	272
180970078	2012	9	21	5	V	0.05	2.7	2.16	240
180970078	2012	9	21	6	V	4.7	3.6	2.25	227
180970078	2012	9	21	7	V	17.7	3.9	2.44	215
180970078	2012	9	21	8	V	10.3	3.4	1.64	227

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	21	9	V	8.9	3.8	1.82	217
180970078	2012	9	21	10	V	6.9	8.7	2.01	211
180970078	2012	9	21	11	V	5.9	7.1	1.79	230
180970078	2012	9	21	12	V	2.8	5.6	2.49	206
180970078	2012	9	21	13	V	0.03	5.5	3.37	172
180970078	2012	9	21	14	V	0.01	4.1	4.22	149
180970078	2012	9	21	15	V	0.01	3.5	4.59	148
180970078	2012	9	21	16	V	0.01	3.6	4.99	140
180970078	2012	9	21	17	V	0.01	3.6	4.71	104
180970078	2012	9	21	18	V	0.01	2.7	7.3	73
180970078	2012	9	21	19	V	0.01	3	5.56	360
180970078	2012	9	21	20	V	0.01	2.6	6.55	15
180970078	2012	9	21	21	V	0.01	2.4	5.73	56
180970078	2012	9	21	22	V	0.01	-999	4.44	111
180970078	2012	9	21	23	V	7.8	-999	2.39	224
180970078	2012	9	21	24	V	0.03	2.3	2.08	240
180970078	2012	9	22	1	V	0.01	2.3	3.73	313
180970078	2012	9	22	2	V	0.01	2.3	3.69	320
180970078	2012	9	22	3	V	0.01	2.3	4.1	313
180970078	2012	9	22	4	V	0.02	2.3	3.27	298
180970078	2012	9	22	5	V	0.02	2.2	4.17	290
180970078	2012	9	22	6	V	0.02	2.2	3.57	266
180970078	2012	9	22	7	V	0.04	2.2	4.32	258
180970078	2012	9	22	8	V	0.09	2.2	4.29	254
180970078	2012	9	22	9	V	4.9	3.4	4.27	223
180970078	2012	9	22	10	V	0.4	3.9	5.21	235
180970078	2012	9	22	11	V	0.03	3.7	7.26	245
180970078	2012	9	22	12	V	0.003	5.4	10.15	264
180970078	2012	9	22	13	V	0.003	3	10.72	277
180970078	2012	9	22	14	V	0.002	2.5	11.74	288
180970078	2012	9	22	15	V	0.003	2.1	10.99	305
180970078	2012	9	22	16	V	0.003	2.1	8.52	306
180970078	2012	9	22	17	V	0.01	2.1	7.2	310
180970078	2012	9	22	18	V	0.01	2.1	5.56	310
180970078	2012	9	22	19	V	0.01	2.2	3.34	307
180970078	2012	9	22	20	V	0.03	2.4	1.87	293
180970078	2012	9	22	21	V	0.03	2.4	1.76	291
180970078	2012	9	22	22	V	0.02	2.8	2.08	264
180970078	2012	9	22	23	V	0.02	2.8	2.22	268
180970078	2012	9	22	24	V	0.02	2.8	2.23	307
180970078	2012	9	23	1	V	0.02	2.2	2.42	299
180970078	2012	9	23	2	V	0.04	2.3	2.25	256
180970078	2012	9	23	3	V	0.04	2.4	2.22	241
180970078	2012	9	23	4	V	0.6	2.8	2.42	248
180970078	2012	9	23	5	V	0.02	2.7	2.3	272
180970078	2012	9	23	6	V	0.04	2.3	1.69	271

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	23	7	V	0.4	2.4	1.96	251
180970078	2012	9	23	8	V	0.2	2.6	2.19	269
180970078	2012	9	23	9	V	0.1	3	2.3	296
180970078	2012	9	23	10	V	0.06	3.7	2.52	310
180970078	2012	9	23	11	V	0.03	2.9	3.03	303
180970078	2012	9	23	12	V	0.01	2.3	4.49	298
180970078	2012	9	23	13	V	0.01	2.1	4.36	300
180970078	2012	9	23	14	V	0.01	2.1	4.37	289
180970078	2012	9	23	15	V	0.01	2.1	5.17	297
180970078	2012	9	23	16	V	0.01	2.2	4.87	309
180970078	2012	9	23	17	V	0.01	2.2	4.46	293
180970078	2012	9	23	18	V	0.01	2.2	4.32	283
180970078	2012	9	23	19	V	0.01	2.1	3.3	270
180970078	2012	9	23	20	V	0.02	2.5	2.5	238
180970078	2012	9	23	21	V	0.03	2.5	2.25	237
180970078	2012	9	23	22	V	0.04	-999	1.67	263
180970078	2012	9	23	23	V	0.02	-999	2.11	263
180970078	2012	9	23	24	V	0.02	-999	2.38	323
180970078	2012	9	24	1	V	0.01	1.2	3.22	28
180970078	2012	9	24	2	V	0.02	1.2	2.5	76
180970078	2012	9	24	3	V	0.01	0.9	2.79	91
180970078	2012	9	24	4	V	0.03	0.9	2.01	95
180970078	2012	9	24	5	V	0.2	1	1.04	128
180970078	2012	9	24	6	V	0.04	1.2	1.4	165
180970078	2012	9	24	7	V	0.2	1.9	1.72	161
180970078	2012	9	24	8	V	3.8	2.4	1.09	201
180970078	2012	9	24	9	V	5.1	3.2	1.09	209
180970078	2012	9	24	10	V	3.4	14.2	2.47	222
180970078	2012	9	24	11	V	2.1	22.4	3.12	217
180970078	2012	9	24	12	V	1.3	-999	4.82	227
180970078	2012	9	24	13	V	0.3	-999	4.63	238
180970078	2012	9	24	14	V	0.2	-999	4.36	241
180970078	2012	9	24	15	V	2.0	1.1	4.85	223
180970078	2012	9	24	16	V	1.3	1.4	5.87	211
180970078	2012	9	24	17	V	0.9	1.9	6.19	207
180970078	2012	9	24	18	V	0.2	0.9	5.39	203
180970078	2012	9	24	19	V	0.01	1.6	4.36	197
180970078	2012	9	24	20	V	0.01	1.1	3.54	182
180970078	2012	9	24	21	V	0.01	0.6	3.81	183
180970078	2012	9	24	22	V	0.01	-999	3.44	185
180970078	2012	9	24	23	V	0.02	-999	3.13	183
180970078	2012	9	24	24	V	0.02	-999	3.61	177
180970078	2012	9	25	1	V	0.03	5.3	3.23	176
180970078	2012	9	25	2	V	0.03	5.1	3.61	175
180970078	2012	9	25	3	V	0.03	3.8	3.59	168
180970078	2012	9	25	4	V	15.1	3.3	1.74	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	25	5	V	0.03	3.1	3.03	141
180970078	2012	9	25	6	V	0.03	2.5	4.82	159
180970078	2012	9	25	7	V	0.06	2.6	3.71	178
180970078	2012	9	25	8	V	0.05	3.4	4.03	159
180970078	2012	9	25	9	V	6.5	3.6	3.78	205
180970078	2012	9	25	10	V	0.7	4.9	2.73	192
180970078	2012	9	25	11	V	0.1	3.7	3.47	163
180970078	2012	9	25	12	V	0.1	3.1	3.81	165
180970078	2012	9	25	13	V	0.04	2.7	4.39	179
180970078	2012	9	25	14	V	0.04	2.1	4.32	178
180970078	2012	9	25	15	V	0.02	2.1	5.07	175
180970078	2012	9	25	16	V	0.01	2.1	4.68	184
180970078	2012	9	25	17	V	0.04	2	4.24	183
180970078	2012	9	25	18	V	0.04	1.9	3.22	159
180970078	2012	9	25	19	V	0.04	1.7	2.32	141
180970078	2012	9	25	20	V	0.04	1.7	2.59	183
180970078	2012	9	25	21	V	0.04	1.6	2.44	176
180970078	2012	9	25	22	V	0.04	1.6	2.78	147
180970078	2012	9	25	23	V	0.03	1.5	3.8	182
180970078	2012	9	25	24	V	13.4	1.6	7.18	213
180970078	2012	9	26	1	V	11.6	5.1	6.4	219
180970078	2012	9	26	2	V	14.8	10.3	3.29	213
180970078	2012	9	26	3	V	0.04	7.7	2.69	197
180970078	2012	9	26	4	V	0.03	4.4	4.05	189
180970078	2012	9	26	5	V	15.0	3.8	4.54	218
180970078	2012	9	26	6	V	12.5	9	4.61	221
180970078	2012	9	26	7	V	9.4	11.2	4.65	209
180970078	2012	9	26	8	V	2.3	10.3	4.37	201
180970078	2012	9	26	9	V	6.4	8	3.8	227
180970078	2012	9	26	10	V	6.2	16	5.07	223
180970078	2012	9	26	11	V	0.6	-999	7.64	230
180970078	2012	9	26	12	V	0.06	-999	5.67	241
180970078	2012	9	26	13	V	0.02	-999	6.82	237
180970078	2012	9	26	14	V	0.09	-999	3.35	264
180970078	2012	9	26	15	V	0.2	2.2	1.89	316
180970078	2012	9	26	16	V	0.08	2.1	2.37	237
180970078	2012	9	26	17	V	2.3	1.9	1.04	233
180970078	2012	9	26	18	V	0.6	1.9	1.38	247
180970078	2012	9	26	19	V	24.6	1.9	1.71	210
180970078	2012	9	26	20	V	0.08	2.1	1.96	197
180970078	2012	9	26	21	V	0.8	2.2	0.86	11
180970078	2012	9	26	22	V	0.2	2.2	1.3	101
180970078	2012	9	26	23	V	0.09	2.1	1.69	77
180970078	2012	9	26	24	V	0.3	1.7	1.12	56
180970078	2012	9	27	1	V	0.04	1.5	2.36	104
180970078	2012	9	27	2	V	0.03	1.3	2.86	18

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	27	3	V	0.03	1.2	2.86	32
180970078	2012	9	27	4	V	0.03	1.2	4.86	11
180970078	2012	9	27	5	V	0.03	1.1	4.36	13
180970078	2012	9	27	6	V	0.04	1.1	3.36	357
180970078	2012	9	27	7	V	0.1	1.2	2.86	345
180970078	2012	9	27	8	V	0.06	1.1	4.36	2
180970078	2012	9	27	9	V	0.09	1.1	2.96	346
180970078	2012	9	27	10	V	0.2	1.2	2.33	8
180970078	2012	9	27	11	V	0.3	-999	1.82	348
180970078	2012	9	27	12	V	0.3	-999	1.76	9
180970078	2012	9	27	13	V	0.8	-999	1.48	319
180970078	2012	9	27	14	V	0.8	-999	1.48	30
180970078	2012	9	27	15	V	0.5	1.5	1.48	122
180970078	2012	9	27	16	V	0.1	1.5	1.96	149
180970078	2012	9	27	17	V	0.02	1.5	2.89	127
180970078	2012	9	27	18	V	0.02	1.5	2.81	143
180970078	2012	9	27	19	V	0.03	1.5	2.66	148
180970078	2012	9	27	20	V	0.05	1.5	2.13	153
180970078	2012	9	27	21	V	0.04	2.1	2.23	152
180970078	2012	9	27	22	V	17.6	2.1	1.31	221
180970078	2012	9	27	23	V	0.04	1.5	2.13	160
180970078	2012	9	27	24	V	0.03	1.2	3.18	108
180970078	2012	9	28	1	V	0.02	1.2	2.83	103
180970078	2012	9	28	2	V	0.03	1.2	2.38	88
180970078	2012	9	28	3	V	0.03	1.2	2.37	101
180970078	2012	9	28	4	V	0.03	1.2	2.28	109
180970078	2012	9	28	5	V	0.2	1.2	1.2	69
180970078	2012	9	28	6	V	0.1	1.2	1.42	36
180970078	2012	9	28	7	V	0.2	1.2	2.08	1
180970078	2012	9	28	8	V	0.3	1.2	2.23	328
180970078	2012	9	28	9	V	2.1	1.3	0.92	9
180970078	2012	9	28	10	V	0.7	1.3	1.7	313
180970078	2012	9	28	11	V	0.5	1.4	2.23	301
180970078	2012	9	28	12	V	0.4	1.7	2.61	278
180970078	2012	9	28	13	V	0.5	3.1	1.91	293
180970078	2012	9	28	14	V	0.3	2.2	2.22	298
180970078	2012	9	28	15	V	0.1	2	2.59	287
180970078	2012	9	28	16	V	0.05	2.3	2.86	301
180970078	2012	9	28	17	V	0.07	2.5	1.99	310
180970078	2012	9	28	18	V	0.03	2.2	2.86	304
180970078	2012	9	28	19	V	0.03	1.9	3.74	319
180970078	2012	9	28	20	V	0.03	1.6	3.37	321
180970078	2012	9	28	21	V	0.03	1.4	3.3	328
180970078	2012	9	28	22	V	0.03	-999	3.23	347
180970078	2012	9	28	23	V	0.03	1.3	3.54	3
180970078	2012	9	28	24	V	0.03	1.3	3.23	13

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	29	1	V	0.03	1.2	3	21
180970078	2012	9	29	2	V	0.02	1.2	3.4	18
180970078	2012	9	29	3	V	0.02	1.1	3.49	14
180970078	2012	9	29	4	V	0.03	1.2	2.71	3
180970078	2012	9	29	5	V	0.03	1.2	3.34	14
180970078	2012	9	29	6	V	0.04	1.2	3.51	26
180970078	2012	9	29	7	V	0.2	1.2	2.79	42
180970078	2012	9	29	8	V	0.3	1.2	2.52	5
180970078	2012	9	29	9	V	0.5	1.3	2.2	22
180970078	2012	9	29	10	V	0.8	2.4	1.67	27
180970078	2012	9	29	11	V	0.4	3	2.18	20
180970078	2012	9	29	12	V	0.2	2.3	3	4
180970078	2012	9	29	13	V	0.2	1.9	2.35	334
180970078	2012	9	29	14	V	0.1	1.6	2.74	305
180970078	2012	9	29	15	V	0.04	1.6	3.83	307
180970078	2012	9	29	16	V	0.02	1.8	4.27	329
180970078	2012	9	29	17	V	0.03	2.5	4.05	358
180970078	2012	9	29	18	V	0.04	2.6	2.4	336
180970078	2012	9	29	19	V	0.2	2.2	1.31	287
180970078	2012	9	29	20	V	0.6	2	1.74	233
180970078	2012	9	29	21	V	0.1	2.7	2.59	235
180970078	2012	9	29	22	V	0.08	3.1	2.11	241
180970078	2012	9	29	23	V	0.5	3.4	2.28	246
180970078	2012	9	29	24	V	0.6	2.8	2.03	250
180970078	2012	9	30	1	V	0.07	3	1.86	21
180970078	2012	9	30	2	V	0.1	3.1	1.59	37
180970078	2012	9	30	3	V	0.8	2.6	0.75	164
180970078	2012	9	30	4	V	7.7	2.6	1.08	204
180970078	2012	9	30	5	V	0.3	3.1	1.36	253
180970078	2012	9	30	6	V	0.3	2.6	2.06	251
180970078	2012	9	30	7	V	0.3	2.6	1.94	317
180970078	2012	9	30	8	V	0.6	2.3	1.81	353
180970078	2012	9	30	9	V	0.1	1.6	3.8	22
180970078	2012	9	30	10	V	0.4	1.8	2.33	347
180970078	2012	9	30	11	V	0.06	1.9	4.6	2
180970078	2012	9	30	12	V	0.09	2.2	3.86	15
180970078	2012	9	30	13	V	0.02	2.9	5.77	25
180970078	2012	9	30	14	V	0.02	4.4	5.38	22
180970078	2012	9	30	15	V	0.02	2.6	4.92	18
180970078	2012	9	30	16	V	0.01	1.6	4.32	37
180970078	2012	9	30	17	V	0.03	1.5	3.78	31
180970078	2012	9	30	18	V	0.03	1.5	4.39	26
180970078	2012	9	30	19	V	0.03	1.4	4.63	46
180970078	2012	9	30	20	V	0.04	1.4	3.86	45
180970078	2012	9	30	21	V	0.03	1.5	4.41	37
180970078	2012	9	30	22	V	0.03	1.7	3.68	47

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	9	30	23	V	0.03	1.9	3.88	52
180970078	2012	9	30	24	V	0.03	1.7	4.73	71
180970078	2012	10	1	1	V	0.03	1.4	4.49	77
180970078	2012	10	1	2	V	0.04	1.4	3.93	78
180970078	2012	10	1	3	V	0.04	1.4	3.97	73
180970078	2012	10	1	4	V	0.03	1.3	3.98	67
180970078	2012	10	1	5	V	0.04	1.3	3.52	39
180970078	2012	10	1	6	V	0.06	1.3	4.37	33
180970078	2012	10	1	7	V	0.1	1.4	3.97	42
180970078	2012	10	1	8	V	0.08	1.3	4.37	44
180970078	2012	10	1	9	V	0.05	1.5	4.97	43
180970078	2012	10	1	10	V	0.09	2.1	4.24	58
180970078	2012	10	1	11	V	0.08	2.6	4.48	54
180970078	2012	10	1	12	V	0.1	4.8	4.29	47
180970078	2012	10	1	13	V	0.1	2.9	4.42	44
180970078	2012	10	1	14	V	0.07	2.4	4.12	55
180970078	2012	10	1	15	V	0.08	2.2	3.74	64
180970078	2012	10	1	16	V	0.07	2.2	4.56	27
180970078	2012	10	1	17	V	0.05	1.8	4.56	35
180970078	2012	10	1	18	V	0.05	1.5	3.9	7
180970078	2012	10	1	19	V	0.05	1.4	4.71	28
180970078	2012	10	1	20	V	0.04	1.4	6.14	39
180970078	2012	10	1	21	V	0.04	1.4	6.62	37
180970078	2012	10	1	22	V	0.04	1.3	6.01	44
180970078	2012	10	1	23	V	0.04	1.3	6.3	42
180970078	2012	10	1	24	V	0.04	1.3	6.75	33
180970078	2012	10	2	1	V	0.04	1.4	5.39	11
180970078	2012	10	2	2	V	0.04	1.3	5.89	15
180970078	2012	10	2	3	V	0.03	1.3	8	43
180970078	2012	10	2	4	V	0.03	1.3	7.54	45
180970078	2012	10	2	5	V	0.03	1.3	6.79	44
180970078	2012	10	2	6	V	0.04	1.3	6.35	38
180970078	2012	10	2	7	V	0.02	1.3	6.26	36
180970078	2012	10	2	8	V	0.02	1.3	6.58	40
180970078	2012	10	2	9	V	0.02	1.3	6.24	39
180970078	2012	10	2	10	V	0.03	1.3	6.04	41
180970078	2012	10	2	11	V	0.05	1.3	5.28	42
180970078	2012	10	2	12	V	0.08	1.3	4.65	39
180970078	2012	10	2	13	V	0.08	1.4	4.65	41
180970078	2012	10	2	14	V	0.08	1.4	3.9	39
180970078	2012	10	2	15	V	0.08	1.4	3.69	30
180970078	2012	10	2	16	V	0.07	1.4	3.64	41
180970078	2012	10	2	17	V	0.05	1.4	2.38	44
180970078	2012	10	2	18	V	0.6	1.5	0.86	138
180970078	2012	10	2	19	V	0.09	1.6	1.93	133
180970078	2012	10	2	20	V	0.05	1.8	2.55	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	2	21	V	0.05	1.5	3.01	175
180970078	2012	10	2	22	V	0.04	1.3	3.3	181
180970078	2012	10	2	23	V	0.04	1.4	3.47	178
180970078	2012	10	2	24	V	0.04	1.3	3.03	161
180970078	2012	10	3	1	V	0.04	1.4	3.18	162
180970078	2012	10	3	2	V	0.04	1.4	3	164
180970078	2012	10	3	3	V	0.04	1.3	4.39	179
180970078	2012	10	3	4	V	0.04	1.3	4.54	181
180970078	2012	10	3	5	V	0.04	1.5	4.58	183
180970078	2012	10	3	6	V	0.06	1.7	4.43	180
180970078	2012	10	3	7	V	0.05	1.6	4.7	178
180970078	2012	10	3	8	V	0.08	1.7	4.37	181
180970078	2012	10	3	9	V	0.06	1.8	4.92	181
180970078	2012	10	3	10	V	0.07	2	5.62	196
180970078	2012	10	3	11	V	2.4	4.4	6.53	203
180970078	2012	10	3	12	V	4.6	16.2	6.45	205
180970078	2012	10	3	13	V	12.8	21.9	6.46	216
180970078	2012	10	3	14	V	17.2	25.5	5.82	214
180970078	2012	10	3	15	V	8.9	26.4	5.63	207
180970078	2012	10	3	16	V	2.3	14.7	5.36	204
180970078	2012	10	3	17	V	13.1	20.9	5.68	206
180970078	2012	10	3	18	V	2.2	15.3	4.54	202
180970078	2012	10	3	19	V	0.04	4.9	3.56	168
180970078	2012	10	3	20	V	0.04	3.7	3.9	160
180970078	2012	10	3	21	V	0.04	3	4.78	168
180970078	2012	10	3	22	V	0.04	3	4.92	179
180970078	2012	10	3	23	V	0.04	2.7	4.75	184
180970078	2012	10	3	24	V	0.04	2.5	4.24	184
180970078	2012	10	4	1	V	0.04	2.3	3.59	180
180970078	2012	10	4	2	V	0.04	2.5	2.45	179
180970078	2012	10	4	3	V	3.0	2.6	2.96	204
180970078	2012	10	4	4	V	17.7	6.7	3.32	219
180970078	2012	10	4	5	V	4.0	7.3	3.1	205
180970078	2012	10	4	6	V	0.07	3.5	2.78	182
180970078	2012	10	4	7	V	2.2	3.5	2.62	193
180970078	2012	10	4	8	V	39.6	7	2.86	213
180970078	2012	10	4	9	V	33.8	19.9	3.56	215
180970078	2012	10	4	10	V	2.1	29.4	5.09	230
180970078	2012	10	4	11	V	4.4	23.8	5.33	225
180970078	2012	10	4	12	V	16.5	18	4.78	214
180970078	2012	10	4	13	V	7.4	24.5	5.48	214
180970078	2012	10	4	14	V	6.4	21	6.6	212
180970078	2012	10	4	15	V	7.2	5.8	7.11	213
180970078	2012	10	4	16	V	2.6	6	6.21	224
180970078	2012	10	4	17	V	2.1	3.6	6.64	228
180970078	2012	10	4	18	V	20.4	14.6	5.44	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	4	19	V	0.4	29.8	4.24	200
180970078	2012	10	4	20	V	0.04	6.1	4.83	182
180970078	2012	10	4	21	V	0.04	6.4	4.78	192
180970078	2012	10	4	22	V	0.2	7.1	4.27	199
180970078	2012	10	4	23	V	5.1	8.5	3.8	205
180970078	2012	10	4	24	V	0.1	21.5	3.78	237
180970078	2012	10	5	1	V	0.3	6.9	3.18	245
180970078	2012	10	5	2	V	0.03	3.6	4.51	306
180970078	2012	10	5	3	V	0.03	2.4	3.08	321
180970078	2012	10	5	4	V	0.03	1.8	3.76	318
180970078	2012	10	5	5	V	0.04	1.6	5.27	326
180970078	2012	10	5	6	V	0.05	1.7	3.32	341
180970078	2012	10	5	7	V	0.1	1.7	3.69	333
180970078	2012	10	5	8	V	0.06	1.7	4.2	337
180970078	2012	10	5	9	V	0.2	1.4	2.76	332
180970078	2012	10	5	10	V	0.2	1.3	2.74	288
180970078	2012	10	5	11	V	0.2	1.4	3.05	302
180970078	2012	10	5	12	V	0.2	1.4	2.81	310
180970078	2012	10	5	13	V	0.2	1.3	2.74	316
180970078	2012	10	5	14	V	0.05	1.3	4.54	321
180970078	2012	10	5	15	V	0.04	1.3	4.05	318
180970078	2012	10	5	16	V	0.07	1.3	4.15	340
180970078	2012	10	5	17	V	0.05	1.2	4.85	334
180970078	2012	10	5	18	V	0.04	1.2	6.53	325
180970078	2012	10	5	19	V	0.04	1.2	6.31	327
180970078	2012	10	5	20	V	0.05	1.2	5.73	338
180970078	2012	10	5	21	V	0.05	1.2	4.76	324
180970078	2012	10	5	22	V	0.05	-999	3.97	333
180970078	2012	10	5	23	V	0.04	1.2	3.69	308
180970078	2012	10	5	24	V	0.04	1.2	3.44	294
180970078	2012	10	6	1	V	0.03	1.2	3.66	290
180970078	2012	10	6	2	V	0.03	1.2	4.22	278
180970078	2012	10	6	3	V	0.03	1.2	3.66	274
180970078	2012	10	6	4	V	0.03	1.2	3.63	278
180970078	2012	10	6	5	V	0.03	1.2	3.54	276
180970078	2012	10	6	6	V	0.04	1.2	4.05	279
180970078	2012	10	6	7	V	0.2	1.2	3.74	286
180970078	2012	10	6	8	V	0.1	1.2	4.37	281
180970078	2012	10	6	9	V	0.1	1.4	4.51	289
180970078	2012	10	6	10	V	0.06	1.6	5.19	297
180970078	2012	10	6	11	V	0.1	1.4	4.24	290
180970078	2012	10	6	12	V	0.1	1.4	3.97	305
180970078	2012	10	6	13	V	0.1	1.4	3.71	295
180970078	2012	10	6	14	V	0.05	1.4	4.92	287
180970078	2012	10	6	15	V	0.03	1.4	4.82	292
180970078	2012	10	6	16	V	0.07	1.4	5.16	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	6	17	V	0.05	1.3	4.63	290
180970078	2012	10	6	18	V	0.05	1.4	3.76	293
180970078	2012	10	6	19	V	0.05	1.3	3.83	305
180970078	2012	10	6	20	V	0.05	1.3	4.65	327
180970078	2012	10	6	21	V	0.05	1.4	4.29	328
180970078	2012	10	6	22	V	0.05	1.3	2.98	329
180970078	2012	10	6	23	V	0.06	1.3	2.3	313
180970078	2012	10	6	24	V	0.07	1.3	2.16	298
180970078	2012	10	7	1	V	0.05	1.3	2.98	305
180970078	2012	10	7	2	V	0.05	1.3	2.95	317
180970078	2012	10	7	3	V	0.05	1.3	3.2	317
180970078	2012	10	7	4	V	0.06	1.3	2.37	310
180970078	2012	10	7	5	V	0.09	1.3	2.1	308
180970078	2012	10	7	6	V	0.06	1.4	2.79	305
180970078	2012	10	7	7	V	0.3	1.4	2.15	294
180970078	2012	10	7	8	V	0.3	1.4	2.61	276
180970078	2012	10	7	9	V	0.3	1.4	3.03	281
180970078	2012	10	7	10	V	0.3	1.5	3.06	274
180970078	2012	10	7	11	V	0.09	1.8	4.15	286
180970078	2012	10	7	12	V	0.05	1.6	4.73	288
180970078	2012	10	7	13	V	0.05	2	4.56	294
180970078	2012	10	7	14	V	0.03	1.4	5.33	289
180970078	2012	10	7	15	V	0.02	1.2	5.26	276
180970078	2012	10	7	16	V	0.08	1.2	4.29	287
180970078	2012	10	7	17	V	0.05	1.2	4.05	284
180970078	2012	10	7	18	V	0.05	1.3	3.27	311
180970078	2012	10	7	19	V	0.07	1.3	2.5	320
180970078	2012	10	7	20	V	0.1	1.3	2.06	313
180970078	2012	10	7	21	V	1.0	1.7	0.94	317
180970078	2012	10	7	22	V	1.2	2	0.89	297
180970078	2012	10	7	23	V	0.4	2.6	1.54	253
180970078	2012	10	7	24	V	18.1	3.3	1.09	224
180970078	2012	10	8	1	V	33.4	3.8	1.4	219
180970078	2012	10	8	2	V	0.6	3.5	1.04	274
180970078	2012	10	8	3	V	0.8	3.3	0.97	263
180970078	2012	10	8	4	V	0.6	3.3	1.14	304
180970078	2012	10	8	5	V	0.9	3.4	0.94	151
180970078	2012	10	8	6	C	-999	3.5	0	0
180970078	2012	10	8	7	V	4.3	4.1	0.8	157
180970078	2012	10	8	8	V	4.6	5.3	0.84	164
180970078	2012	10	8	9	V	2.1	3.7	1.76	179
180970078	2012	10	8	10	V	0.3	2.6	3.32	186
180970078	2012	10	8	11	V	12.5	2.1	3.49	211
180970078	2012	10	8	12	V	6.0	16.9	2.83	225
180970078	2012	10	8	13	V	3.6	11.9	2.2	232
180970078	2012	10	8	14	V	2.4	20.2	2.16	236

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	8	15	V	1.4	13.9	3.1	195
180970078	2012	10	8	16	V	0.07	6.5	3.61	181
180970078	2012	10	8	17	V	0.04	4.9	3.34	194
180970078	2012	10	8	18	V	0.04	2.4	3.1	196
180970078	2012	10	8	19	V	0.04	1.9	3.05	184
180970078	2012	10	8	20	V	0.04	1.9	3.35	181
180970078	2012	10	8	21	V	0.06	2.2	2.73	192
180970078	2012	10	8	22	V	0.04	2.5	3.23	178
180970078	2012	10	8	23	V	0.04	2.6	3.13	183
180970078	2012	10	8	24	V	0.06	2.6	2.76	186
180970078	2012	10	9	1	V	0.04	2.1	3.1	170
180970078	2012	10	9	2	V	0.04	1.8	2.59	159
180970078	2012	10	9	3	V	0.04	1.6	2.62	178
180970078	2012	10	9	4	V	0.04	1.5	2.59	196
180970078	2012	10	9	5	V	0.05	1.4	2.42	147
180970078	2012	10	9	6	V	0.04	1.5	2.44	143
180970078	2012	10	9	7	V	0.3	1.9	2.67	165
180970078	2012	10	9	8	V	0.4	2	2.66	178
180970078	2012	10	9	9	V	1.7	2.7	2.2	187
180970078	2012	10	9	10	V	14.2	20.9	4.49	209
180970078	2012	10	9	11	V	1.6	23	6.19	202
180970078	2012	10	9	12	V	6.3	15.4	6.35	208
180970078	2012	10	9	13	V	4.8	9.6	6.69	207
180970078	2012	10	9	14	V	0.9	6	6.58	201
180970078	2012	10	9	15	V	0.4	4.7	6.43	200
180970078	2012	10	9	16	V	0.1	5	6.75	193
180970078	2012	10	9	17	V	9.6	2.8	6.86	207
180970078	2012	10	9	18	V	3.5	2.6	5.89	203
180970078	2012	10	9	19	V	0.6	2.4	4.14	200
180970078	2012	10	9	20	V	0.03	2.3	3.76	177
180970078	2012	10	9	21	V	0.03	2.3	4.19	181
180970078	2012	10	9	22	V	0.03	-999	4.54	195
180970078	2012	10	9	23	V	0.05	4	4.19	195
180970078	2012	10	9	24	V	0.07	7.7	4.2	196
180970078	2012	10	10	1	V	22.1	20.3	4.26	212
180970078	2012	10	10	2	V	0.2	21	6.65	237
180970078	2012	10	10	3	V	0.03	6.4	6.18	283
180970078	2012	10	10	4	V	0.03	2.6	6.65	318
180970078	2012	10	10	5	V	0.04	2	5.11	307
180970078	2012	10	10	6	V	0.04	1.7	4.97	299
180970078	2012	10	10	7	V	0.02	1.7	6.18	298
180970078	2012	10	10	8	V	0.04	1.6	5.62	289
180970078	2012	10	10	9	V	0.02	1.8	6.29	281
180970078	2012	10	10	10	V	0.03	1.8	5.96	270
180970078	2012	10	10	11	V	0.01	1.8	8.22	276
180970078	2012	10	10	12	V	0.01	1.6	8.32	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	10	13	V	0.01	1.6	9.1	285
180970078	2012	10	10	14	V	0.01	1.7	9.51	286
180970078	2012	10	10	15	V	0.01	1.6	9.97	295
180970078	2012	10	10	16	V	0.03	1.5	8.56	298
180970078	2012	10	10	17	V	0.03	1.6	8.08	299
180970078	2012	10	10	18	V	0.03	1.4	6.04	293
180970078	2012	10	10	19	V	0.04	1.5	3.91	286
180970078	2012	10	10	20	V	0.06	1.4	2.59	272
180970078	2012	10	10	21	V	0.5	1.7	2.52	231
180970078	2012	10	10	22	V	11.3	2	2.06	223
180970078	2012	10	10	23	V	7.1	2.6	1.89	225
180970078	2012	10	10	24	V	0.5	3	2.16	232
180970078	2012	10	11	1	V	0.1	2.5	2.18	238
180970078	2012	10	11	2	V	0.1	2.2	2.11	239
180970078	2012	10	11	3	V	28.0	2	2.37	217
180970078	2012	10	11	4	V	2.1	1.8	2.2	228
180970078	2012	10	11	5	V	6.6	2.2	2.04	225
180970078	2012	10	11	6	V	42.8	2.1	1.37	213
180970078	2012	10	11	7	V	20.2	2.1	1.33	200
180970078	2012	10	11	8	V	35.9	2.7	1.5	211
180970078	2012	10	11	9	V	37.4	27.5	2.27	215
180970078	2012	10	11	10	V	21.9	101.8	3.58	221
180970078	2012	10	11	11	V	13.7	62.7	6.03	210
180970078	2012	10	11	12	V	0.3	26.2	6.36	196
180970078	2012	10	11	13	V	5.1	18.6	5.65	204
180970078	2012	10	11	14	V	8.9	9.9	5.39	218
180970078	2012	10	11	15	V	0.7	4.2	5.77	230
180970078	2012	10	11	16	V	9.9	1.9	5.46	223
180970078	2012	10	11	17	V	16.1	2.6	5.44	219
180970078	2012	10	11	18	V	29.7	4.3	4.75	210
180970078	2012	10	11	19	V	1.9	23.2	3.56	203
180970078	2012	10	11	20	V	7.0	22.7	2.96	205
180970078	2012	10	11	21	V	1.1	15	2.86	202
180970078	2012	10	11	22	V	1.1	-999	2.11	202
180970078	2012	10	11	23	V	0.8	-999	2.4	230
180970078	2012	10	11	24	V	16.3	7.9	2.59	220
180970078	2012	10	12	1	V	0.6	7.1	2.67	230
180970078	2012	10	12	2	V	0.04	5.5	2.57	258
180970078	2012	10	12	3	V	0.05	5.5	2.3	305
180970078	2012	10	12	4	V	0.2	3.6	1.45	330
180970078	2012	10	12	5	V	0.06	2.3	2.32	304
180970078	2012	10	12	6	V	0.03	2.2	4.46	21
180970078	2012	10	12	7	V	0.06	2.1	4.68	33
180970078	2012	10	12	8	V	0.05	2.1	5.1	44
180970078	2012	10	12	9	V	0.03	2.3	5.99	49
180970078	2012	10	12	10	V	0.02	2.2	6.07	50

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	12	11	V	0.02	2	6.18	62
180970078	2012	10	12	12	V	0.06	1.8	4.92	72
180970078	2012	10	12	13	V	0.05	1.5	4.8	71
180970078	2012	10	12	14	V	0.06	1.4	4.02	80
180970078	2012	10	12	15	V	0.06	1.4	3.54	82
180970078	2012	10	12	16	V	0.04	1.4	3.39	105
180970078	2012	10	12	17	V	0.04	1.4	2.76	101
180970078	2012	10	12	18	V	0.04	1.6	2.45	86
180970078	2012	10	12	19	V	0.05	1.8	2.5	93
180970078	2012	10	12	20	V	0.04	2.3	2.56	87
180970078	2012	10	12	21	V	0.03	1.8	2.95	84
180970078	2012	10	12	22	V	0.03	1.6	3.76	83
180970078	2012	10	12	23	V	0.03	1.6	3.51	88
180970078	2012	10	12	24	V	0.03	1.5	3.17	101
180970078	2012	10	13	1	V	0.03	1.6	3.03	112
180970078	2012	10	13	2	V	0.03	1.9	3.18	113
180970078	2012	10	13	3	V	0.04	1.9	2.52	122
180970078	2012	10	13	4	V	0.03	3.9	3.52	121
180970078	2012	10	13	5	V	0.03	8	4.03	133
180970078	2012	10	13	6	V	0.04	6.7	3.69	132
180970078	2012	10	13	7	V	0.1	5.2	3.9	139
180970078	2012	10	13	8	V	0.1	4.7	4.2	149
180970078	2012	10	13	9	V	0.1	4.9	4.15	144
180970078	2012	10	13	10	V	0.2	4.6	3.69	163
180970078	2012	10	13	11	V	0.4	4.2	2.96	166
180970078	2012	10	13	12	V	0.05	3.8	5.68	190
180970078	2012	10	13	13	V	0.03	3.7	6.01	184
180970078	2012	10	13	14	V	0.06	3.5	4.97	180
180970078	2012	10	13	15	V	0.1	2.8	4.32	179
180970078	2012	10	13	16	V	0.06	2.7	5.51	181
180970078	2012	10	13	17	V	0.06	2.2	4.75	173
180970078	2012	10	13	18	V	0.06	2.4	4.25	172
180970078	2012	10	13	19	V	0.06	2.6	4.94	166
180970078	2012	10	13	20	V	0.05	2.9	7.62	168
180970078	2012	10	13	21	V	0.05	2.8	6.26	182
180970078	2012	10	13	22	V	0.2	2.4	5.56	195
180970078	2012	10	13	23	V	0.05	2.3	5.44	188
180970078	2012	10	13	24	V	0.04	2.2	5.8	181
180970078	2012	10	14	1	V	0.05	2.3	6.06	176
180970078	2012	10	14	2	V	0.04	2.1	6.4	179
180970078	2012	10	14	3	V	0.05	2.2	6.58	179
180970078	2012	10	14	4	V	0.04	2.1	6.43	177
180970078	2012	10	14	5	V	0.04	2.1	6.96	177
180970078	2012	10	14	6	V	0.04	2.2	7.62	175
180970078	2012	10	14	7	V	0.01	2.2	8.37	177
180970078	2012	10	14	8	V	0.01	2.1	9.24	188

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	14	9	V	0.01	1.9	9.56	190
180970078	2012	10	14	10	V	0.01	2	10.94	178
180970078	2012	10	14	11	V	0.01	2.2	10.94	185
180970078	2012	10	14	12	V	0.01	2.2	11.33	192
180970078	2012	10	14	13	V	1.3	2.4	11.91	204
180970078	2012	10	14	14	V	5.3	8.9	11.84	213
180970078	2012	10	14	15	V	5.1	13.6	13.38	212
180970078	2012	10	14	16	V	20.0	6.3	12.62	217
180970078	2012	10	14	17	V	24.4	25	11.65	215
180970078	2012	10	14	18	V	19.8	21.4	11.5	209
180970078	2012	10	14	19	V	5.1	15.8	11.11	226
180970078	2012	10	14	20	V	0.04	2.9	8.64	264
180970078	2012	10	14	21	V	0.04	2.2	10.61	282
180970078	2012	10	14	22	V	0.04	1.9	8.83	280
180970078	2012	10	14	23	V	0.04	1.7	8.37	274
180970078	2012	10	14	24	V	0.04	1.6	5.68	277
180970078	2012	10	15	1	V	0.04	1.5	5.09	268
180970078	2012	10	15	2	V	0.06	1.4	5.39	260
180970078	2012	10	15	3	V	0.03	1.4	6.52	267
180970078	2012	10	15	4	V	0.03	1.4	5.44	279
180970078	2012	10	15	5	V	0.03	1.5	5.63	269
180970078	2012	10	15	6	V	0.03	1.4	5.63	273
180970078	2012	10	15	7	V	0.02	1.4	5.94	270
180970078	2012	10	15	8	V	0.04	1.4	5.75	271
180970078	2012	10	15	9	V	0.06	1.4	5.53	277
180970078	2012	10	15	10	V	0.04	1.6	5.94	275
180970078	2012	10	15	11	V	0.04	1.5	5.75	282
180970078	2012	10	15	12	V	0.03	1.5	6.28	285
180970078	2012	10	15	13	V	0.02	1.5	7.13	291
180970078	2012	10	15	14	V	0.01	1.4	7.45	291
180970078	2012	10	15	15	V	0.01	1.4	7.25	297
180970078	2012	10	15	16	V	0.04	1.4	7.89	295
180970078	2012	10	15	17	V	0.03	1.4	6.7	302
180970078	2012	10	15	18	V	0.04	1.4	5.33	302
180970078	2012	10	15	19	V	0.04	1.3	3.13	305
180970078	2012	10	15	20	V	0.09	2.1	2.1	290
180970078	2012	10	15	21	V	0.2	1.8	1.6	297
180970078	2012	10	15	22	V	0.3	2.2	1.45	306
180970078	2012	10	15	23	V	0.2	2.4	1.65	264
180970078	2012	10	15	24	V	0.07	2.4	1.99	266
180970078	2012	10	16	1	V	0.2	2.7	1.47	239
180970078	2012	10	16	2	V	0.3	2.7	1.18	278
180970078	2012	10	16	3	V	1.0	2.4	0.87	246
180970078	2012	10	16	4	V	1.6	2.8	0.6	295
180970078	2012	10	16	5	V	0.3	3.4	1.23	173
180970078	2012	10	16	6	V	0.2	4	1.5	106

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	16	7	V	0.6	3.7	1.77	122
180970078	2012	10	16	8	V	0.7	3.4	1.89	124
180970078	2012	10	16	9	V	0.2	2.1	3.42	133
180970078	2012	10	16	10	V	0.1	2.2	4.15	148
180970078	2012	10	16	11	V	0.05	-999	4.85	165
180970078	2012	10	16	12	V	0.03	-999	5.87	166
180970078	2012	10	16	13	V	0.02	2	5.99	172
180970078	2012	10	16	14	V	0.02	2.1	5.46	164
180970078	2012	10	16	15	V	0.01	2.1	6.26	162
180970078	2012	10	16	16	V	0.04	2.5	6.02	159
180970078	2012	10	16	17	V	0.04	2.9	5.92	157
180970078	2012	10	16	18	V	0.05	2.7	5.33	157
180970078	2012	10	16	19	V	0.05	3	4.48	159
180970078	2012	10	16	20	V	0.05	3	5.09	151
180970078	2012	10	16	21	V	0.04	2.8	5.02	154
180970078	2012	10	16	22	V	0.04	2.2	4.05	159
180970078	2012	10	16	23	V	0.04	2.3	5.22	165
180970078	2012	10	16	24	V	0.03	2.6	5.26	168
180970078	2012	10	17	1	V	0.03	2.7	5.19	184
180970078	2012	10	17	2	V	7.0	2.3	6.14	205
180970078	2012	10	17	3	V	0.9	2.4	5	200
180970078	2012	10	17	4	V	0.04	3.7	4.68	194
180970078	2012	10	17	5	V	0.03	3.5	4.24	181
180970078	2012	10	17	6	V	0.04	2.9	3.46	161
180970078	2012	10	17	7	V	0.08	2.9	4.19	168
180970078	2012	10	17	8	V	0.1	2.6	3.9	174
180970078	2012	10	17	9	V	0.08	3.9	4.66	165
180970078	2012	10	17	10	V	0.02	4.4	6.7	180
180970078	2012	10	17	11	V	0.01	3.7	8.47	183
180970078	2012	10	17	12	V	0.01	3	9.54	185
180970078	2012	10	17	13	V	0.1	2.9	9.88	199
180970078	2012	10	17	14	V	0.01	4.1	9.1	188
180970078	2012	10	17	15	V	0.5	3.8	6.87	202
180970078	2012	10	17	16	V	0.05	2.7	4.51	152
180970078	2012	10	17	17	V	0.05	2.1	5.62	162
180970078	2012	10	17	18	V	0.04	1.8	6.33	150
180970078	2012	10	17	19	V	0.05	1.8	4.29	139
180970078	2012	10	17	20	V	0.05	2	4.54	120
180970078	2012	10	17	21	V	0.05	2.1	4.87	134
180970078	2012	10	17	22	V	0.04	2.4	6.82	161
180970078	2012	10	17	23	V	11.3	2.5	7.16	207
180970078	2012	10	17	24	V	0.2	4.7	8.18	196
180970078	2012	10	18	1	V	0.03	2	8.25	186
180970078	2012	10	18	2	V	0.03	1.7	7.04	178
180970078	2012	10	18	3	V	0.03	1.7	6.28	187
180970078	2012	10	18	4	V	0.03	1.6	6.99	267

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	18	5	V	0.2	1.5	6.02	246
180970078	2012	10	18	6	V	0.1	1.5	6.24	240
180970078	2012	10	18	7	V	0.1	1.7	6.4	235
180970078	2012	10	18	8	V	4.3	1.6	5.33	225
180970078	2012	10	18	9	V	14.6	2.2	5.6	216
180970078	2012	10	18	10	V	1.0	19	6.38	200
180970078	2012	10	18	11	V	0.02	5.6	8.06	191
180970078	2012	10	18	12	V	4.6	2.6	9.03	208
180970078	2012	10	18	13	V	4.0	9.1	11.4	219
180970078	2012	10	18	14	V	4.9	2.2	10.92	218
180970078	2012	10	18	15	V	5.5	4.6	10.24	218
180970078	2012	10	18	16	V	23.1	4.9	11.17	216
180970078	2012	10	18	17	V	13.4	1.7	10.43	221
180970078	2012	10	18	18	V	11.9	1.7	8.59	221
180970078	2012	10	18	19	V	37.1	13.1	4.02	212
180970078	2012	10	18	20	V	43.7	13.6	3.03	213
180970078	2012	10	18	21	V	0.05	10.9	3.25	185
180970078	2012	10	18	22	V	32.8	-999	2.91	210
180970078	2012	10	18	23	V	0.05	-999	2.54	314
180970078	2012	10	18	24	V	0.1	2.1	1.53	31
180970078	2012	10	19	1	V	0.04	1.9	3.07	120
180970078	2012	10	19	2	V	0.03	2.6	5.55	171
180970078	2012	10	19	3	V	0.03	2.7	7.16	186
180970078	2012	10	19	4	V	13.4	2.4	6.91	209
180970078	2012	10	19	5	V	5.1	1.8	5.84	225
180970078	2012	10	19	6	V	10.1	1.7	4.75	222
180970078	2012	10	19	7	V	0.04	3.7	4.53	187
180970078	2012	10	19	8	V	0.09	3.4	4.12	181
180970078	2012	10	19	9	V	0.1	4.8	4.03	182
180970078	2012	10	19	10	V	0.02	4.1	6.38	194
180970078	2012	10	19	11	V	1.3	8.2	6.8	203
180970078	2012	10	19	12	V	5.1	10.9	6.63	207
180970078	2012	10	19	13	V	11.5	13.9	6.55	216
180970078	2012	10	19	14	V	9.1	6	6.99	217
180970078	2012	10	19	15	V	11.2	6.8	6.28	212
180970078	2012	10	19	16	V	0.4	12.3	6.6	234
180970078	2012	10	19	17	V	0.2	4.5	6.74	245
180970078	2012	10	19	18	V	0.1	3.8	5.94	238
180970078	2012	10	19	19	V	0.3	3.3	5.73	235
180970078	2012	10	19	20	V	0.2	3.2	5.46	242
180970078	2012	10	19	21	V	0.4	2.7	5.56	234
180970078	2012	10	19	22	V	2.0	2.7	5.67	229
180970078	2012	10	19	23	V	0.1	2.4	5.04	238
180970078	2012	10	19	24	V	0.2	2.3	4.65	236
180970078	2012	10	20	1	V	0.2	2.3	4.88	243
180970078	2012	10	20	2	V	0.04	2	4.05	278

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	20	3	V	0.1	1.7	2.72	242
180970078	2012	10	20	4	V	0.2	1.5	3.15	235
180970078	2012	10	20	5	V	0.08	1.6	3.73	258
180970078	2012	10	20	6	V	0.04	1.6	4.31	267
180970078	2012	10	20	7	V	0.09	1.6	3.15	263
180970078	2012	10	20	8	V	0.2	1.6	2.91	293
180970078	2012	10	20	9	V	0.08	2	4.44	278
180970078	2012	10	20	10	V	0.04	2.3	5.56	278
180970078	2012	10	20	11	V	0.03	2.2	5.46	271
180970078	2012	10	20	12	V	0.04	2.1	5.67	267
180970078	2012	10	20	13	V	0.02	1.9	6.07	275
180970078	2012	10	20	14	V	0.02	1.8	5.56	274
180970078	2012	10	20	15	V	0.02	1.8	5.5	275
180970078	2012	10	20	16	V	0.1	1.7	4.6	257
180970078	2012	10	20	17	V	0.1	1.8	4.42	238
180970078	2012	10	20	18	V	0.2	1.8	4.41	242
180970078	2012	10	20	19	V	19.0	1.8	3.15	219
180970078	2012	10	20	20	V	35.8	1.6	3.27	212
180970078	2012	10	20	21	V	0.04	2.3	3.12	198
180970078	2012	10	20	22	V	16.6	2.6	2.52	208
180970078	2012	10	20	23	V	15.9	2.4	1.99	208
180970078	2012	10	20	24	V	21.1	2.3	1.89	209
180970078	2012	10	21	1	V	34.9	2.2	1.38	215
180970078	2012	10	21	2	V	0.6	2.4	1.03	102
180970078	2012	10	21	3	V	0.3	2.4	1.33	119
180970078	2012	10	21	4	V	0.08	2.3	1.93	131
180970078	2012	10	21	5	V	0.06	1.7	2.13	112
180970078	2012	10	21	6	V	0.1	1.4	1.76	115
180970078	2012	10	21	7	V	0.4	1.5	2.33	120
180970078	2012	10	21	8	V	0.3	1.4	3.18	115
180970078	2012	10	21	9	V	0.2	1.6	3.68	129
180970078	2012	10	21	10	V	0.2	3	3.85	138
180970078	2012	10	21	11	V	0.3	3.4	3.51	155
180970078	2012	10	21	12	V	0.3	4.2	3.54	146
180970078	2012	10	21	13	V	0.08	4	4.48	136
180970078	2012	10	21	14	V	0.07	3.8	4.61	139
180970078	2012	10	21	15	V	0.05	3.7	4.65	145
180970078	2012	10	21	16	V	0.04	4.1	4.59	149
180970078	2012	10	21	17	V	0.04	4.2	4.48	141
180970078	2012	10	21	18	V	0.04	3.7	4.03	148
180970078	2012	10	21	19	V	0.04	3.4	4.56	155
180970078	2012	10	21	20	V	0.04	3	5.26	163
180970078	2012	10	21	21	V	0.04	2.7	3.45	145
180970078	2012	10	21	22	V	0.05	2.3	2.69	122
180970078	2012	10	21	23	V	0.06	2	2.27	116
180970078	2012	10	21	24	V	0.04	1.9	3.15	145

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	22	1	V	0.04	1.8	2.49	121
180970078	2012	10	22	2	V	0.04	1.8	2.69	128
180970078	2012	10	22	3	V	0.04	1.9	2.64	147
180970078	2012	10	22	4	V	0.05	1.7	2.15	151
180970078	2012	10	22	5	V	0.06	1.7	2.16	131
180970078	2012	10	22	6	V	0.05	2	2.27	124
180970078	2012	10	22	7	V	0.3	2	2.44	134
180970078	2012	10	22	8	V	0.2	2.2	3.12	138
180970078	2012	10	22	9	V	0.1	2.8	4.02	137
180970078	2012	10	22	10	V	0.2	3.3	3.57	153
180970078	2012	10	22	11	V	0.08	3.5	4.39	173
180970078	2012	10	22	12	V	0.02	3.3	6.24	190
180970078	2012	10	22	13	V	1.0	5.2	5.38	201
180970078	2012	10	22	14	V	3.1	15.7	4.32	226
180970078	2012	10	22	15	V	0.03	4.8	4.44	278
180970078	2012	10	22	16	V	0.05	3.4	5.22	141
180970078	2012	10	22	17	V	0.05	3.9	5.05	169
180970078	2012	10	22	18	V	0.05	3.2	5.48	166
180970078	2012	10	22	19	V	0.05	2.8	4.36	152
180970078	2012	10	22	20	V	0.07	2.8	1.94	158
180970078	2012	10	22	21	V	0.05	2.6	2.37	156
180970078	2012	10	22	22	V	0.04	2.7	3.18	188
180970078	2012	10	22	23	V	0.03	2.8	3.34	175
180970078	2012	10	22	24	V	0.04	3.1	3.59	178
180970078	2012	10	23	1	V	0.04	3.1	3.88	189
180970078	2012	10	23	2	V	2.2	3.4	4.37	202
180970078	2012	10	23	3	V	1.9	3.2	3.76	202
180970078	2012	10	23	4	V	21.5	2.9	4.51	216
180970078	2012	10	23	5	V	17.6	3.4	5.77	217
180970078	2012	10	23	6	V	22.5	4.1	5.92	212
180970078	2012	10	23	7	V	6.3	13.5	7.89	212
180970078	2012	10	23	8	V	0.04	3.9	6.04	241
180970078	2012	10	23	9	V	1.4	2	2.9	194
180970078	2012	10	23	10	V	1.7	2.2	2.4	192
180970078	2012	10	23	11	V	18.0	2.7	2.35	204
180970078	2012	10	23	12	V	18.8	4.1	1.6	202
180970078	2012	10	23	13	V	2.1	13.9	1.23	171
180970078	2012	10	23	14	V	1.6	13.6	1.23	158
180970078	2012	10	23	15	V	30.7	16.1	1.45	210
180970078	2012	10	23	16	V	32.7	15.7	1.93	216
180970078	2012	10	23	17	V	9.7	35.3	3.17	223
180970078	2012	10	23	18	V	23.7	21	3.29	218
180970078	2012	10	23	19	V	0.07	10.3	2.22	194
180970078	2012	10	23	20	V	0.05	6.8	2.86	167
180970078	2012	10	23	21	V	0.04	7.4	3.52	161
180970078	2012	10	23	22	V	0.03	6.2	3.97	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	23	23	V	0.03	4.7	3.88	167
180970078	2012	10	23	24	V	0.04	3.4	2.66	160
180970078	2012	10	24	1	V	0.05	2.6	2.54	154
180970078	2012	10	24	2	V	0.04	2.5	2.49	147
180970078	2012	10	24	3	V	0.06	2.5	2.16	136
180970078	2012	10	24	4	V	0.04	3.2	2.55	154
180970078	2012	10	24	5	V	0.04	3.3	2.98	155
180970078	2012	10	24	6	V	0.05	3.7	4	161
180970078	2012	10	24	7	V	0.1	3.4	3.9	168
180970078	2012	10	24	8	V	0.3	3.3	2.95	172
180970078	2012	10	24	9	V	0.4	3.7	3.56	186
180970078	2012	10	24	10	V	1.3	4.7	5.65	198
180970078	2012	10	24	11	V	0.2	24.6	4.65	193
180970078	2012	10	24	12	V	11.4	47.3	4.25	204
180970078	2012	10	24	13	V	0.07	11.9	4.66	179
180970078	2012	10	24	14	V	0.03	3.8	5.75	183
180970078	2012	10	24	15	V	0.02	3	5.72	189
180970078	2012	10	24	16	V	0.04	2.8	6.11	187
180970078	2012	10	24	17	V	0.04	2.6	6.21	185
180970078	2012	10	24	18	V	0.04	2.9	4.7	182
180970078	2012	10	24	19	V	0.04	3	3.95	181
180970078	2012	10	24	20	V	0.04	2.9	3.76	176
180970078	2012	10	24	21	V	0.04	2.8	4.24	157
180970078	2012	10	24	22	V	0.03	2.4	4.46	166
180970078	2012	10	24	23	V	0.03	2.3	4.7	158
180970078	2012	10	24	24	V	0.03	2.1	4.82	166
180970078	2012	10	25	1	V	0.03	2	4.22	160
180970078	2012	10	25	2	V	0.03	2	4.1	149
180970078	2012	10	25	3	V	0.03	2	4.22	146
180970078	2012	10	25	4	V	0.03	2.2	5.31	163
180970078	2012	10	25	5	V	0.03	2.2	3.86	149
180970078	2012	10	25	6	V	0.03	2.2	2.84	134
180970078	2012	10	25	7	V	0.2	2.3	2.81	157
180970078	2012	10	25	8	V	0.2	2.7	3.54	160
180970078	2012	10	25	9	V	0.1	3.9	3.75	153
180970078	2012	10	25	10	V	0.05	4.8	4.71	164
180970078	2012	10	25	11	V	0.02	4.1	6.77	192
180970078	2012	10	25	12	V	0.03	3.4	8.37	195
180970078	2012	10	25	13	V	0.01	3.8	7.57	191
180970078	2012	10	25	14	V	0.06	3.1	8.44	197
180970078	2012	10	25	15	V	0.01	2.7	8.78	187
180970078	2012	10	25	16	V	0.03	2.3	9.13	181
180970078	2012	10	25	17	V	0.03	3.3	7.26	187
180970078	2012	10	25	18	V	0.03	4.7	7.37	184
180970078	2012	10	25	19	V	0.03	3.7	6.07	180
180970078	2012	10	25	20	V	0.03	3.4	6.31	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	25	21	V	0.03	3.4	6.3	174
180970078	2012	10	25	22	V	0.03	-999	4.92	176
180970078	2012	10	25	23	V	0.04	-999	6.38	191
180970078	2012	10	25	24	V	0.03	2.3	8.62	304
180970078	2012	10	26	1	V	0.03	1.5	7.84	307
180970078	2012	10	26	2	V	0.03	1.4	7.99	315
180970078	2012	10	26	3	V	0.03	1.3	7.71	314
180970078	2012	10	26	4	V	0.03	1.2	6.7	323
180970078	2012	10	26	5	V	0.03	1.4	6.48	315
180970078	2012	10	26	6	V	0.03	1.3	6.65	343
180970078	2012	10	26	7	V	0.05	1.3	5.94	335
180970078	2012	10	26	8	V	0.02	1.2	5.92	345
180970078	2012	10	26	9	V	0.01	1.3	7.01	360
180970078	2012	10	26	10	V	0.01	1.3	7.09	2
180970078	2012	10	26	11	V	0.01	1.4	6.62	354
180970078	2012	10	26	12	V	0.02	1.3	5.85	360
180970078	2012	10	26	13	V	0.02	1.4	5.89	357
180970078	2012	10	26	14	V	0.02	1.3	6.36	359
180970078	2012	10	26	15	V	0.06	1.3	5.85	354
180970078	2012	10	26	16	V	0.04	1.3	5.5	359
180970078	2012	10	26	17	V	0.04	1.3	5.36	2
180970078	2012	10	26	18	V	0.04	1.3	5.92	350
180970078	2012	10	26	19	V	0.04	1.3	6.65	353
180970078	2012	10	26	20	V	0.05	1.2	6.12	355
180970078	2012	10	26	21	V	0.05	1.3	5.9	360
180970078	2012	10	26	22	V	0.04	1.3	5.75	356
180970078	2012	10	26	23	V	0.03	1.2	6.7	352
180970078	2012	10	26	24	V	0.03	1.3	6.45	354
180970078	2012	10	27	1	V	0.03	1.3	5.6	356
180970078	2012	10	27	2	V	0.03	1.3	5.73	357
180970078	2012	10	27	3	V	0.03	1.3	5.94	2
180970078	2012	10	27	4	V	0.03	1.3	5.62	5
180970078	2012	10	27	5	V	0.03	1.2	4.88	358
180970078	2012	10	27	6	V	0.03	1.2	4.9	1
180970078	2012	10	27	7	V	0.04	1.3	4.92	358
180970078	2012	10	27	8	V	0.07	1.2	5	8
180970078	2012	10	27	9	V	0.05	1.4	5.6	11
180970078	2012	10	27	10	V	0.02	1.6	6.52	21
180970078	2012	10	27	11	V	0.02	1.5	7.03	20
180970078	2012	10	27	12	V	0.02	1.5	7.08	22
180970078	2012	10	27	13	V	0.03	1.5	6.29	3
180970078	2012	10	27	14	V	0.02	1.4	7.28	5
180970078	2012	10	27	15	V	0.01	1.5	6.53	4
180970078	2012	10	27	16	V	0.03	1.4	6.23	6
180970078	2012	10	27	17	V	0.03	1.4	5.97	1
180970078	2012	10	27	18	V	0.04	1.4	4.99	360

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	27	19	V	0.04	1.4	4.39	357
180970078	2012	10	27	20	V	0.04	1.3	4.53	360
180970078	2012	10	27	21	V	0.03	1.4	5.24	351
180970078	2012	10	27	22	V	0.03	1.4	5.96	359
180970078	2012	10	27	23	V	0.03	1.3	5.99	9
180970078	2012	10	27	24	V	0.03	1.3	4.61	3
180970078	2012	10	28	1	V	0.02	1.3	5.34	6
180970078	2012	10	28	2	V	0.03	1.3	4.88	7
180970078	2012	10	28	3	V	0.03	1.3	4.05	4
180970078	2012	10	28	4	V	0.03	1.3	3.66	358
180970078	2012	10	28	5	V	0.04	1.2	4	353
180970078	2012	10	28	6	V	0.03	1.3	4.39	4
180970078	2012	10	28	7	V	0.05	1.2	4.73	360
180970078	2012	10	28	8	V	0.03	1.3	5.72	12
180970078	2012	10	28	9	V	0.04	1.4	5.55	14
180970078	2012	10	28	10	V	0.03	1.5	6.41	18
180970078	2012	10	28	11	V	0.02	1.6	6.58	20
180970078	2012	10	28	12	V	0.03	1.5	6.36	16
180970078	2012	10	28	13	V	0.03	1.4	6.55	5
180970078	2012	10	28	14	V	0.02	1.4	6.45	357
180970078	2012	10	28	15	V	0.01	1.4	7.03	352
180970078	2012	10	28	16	V	0.04	1.3	6.92	346
180970078	2012	10	28	17	V	0.04	1.4	6.87	353
180970078	2012	10	28	18	V	0.04	1.4	6.53	355
180970078	2012	10	28	19	V	0.04	1.4	6.07	356
180970078	2012	10	28	20	V	0.05	1.5	6.21	351
180970078	2012	10	28	21	V	0.05	1.8	6.01	353
180970078	2012	10	28	22	V	0.04	1.9	6.7	355
180970078	2012	10	28	23	V	0.04	1.9	5.46	355
180970078	2012	10	28	24	V	0.03	1.7	4.44	339
180970078	2012	10	29	1	V	0.03	1.5	4.31	332
180970078	2012	10	29	2	V	0.03	1.4	4.17	340
180970078	2012	10	29	3	V	0.03	1.3	5.26	347
180970078	2012	10	29	4	V	0.03	1.3	6.67	348
180970078	2012	10	29	5	V	0.03	1.3	6.67	339
180970078	2012	10	29	6	V	0.03	1.3	6.82	341
180970078	2012	10	29	7	V	0.02	1.3	5.82	343
180970078	2012	10	29	8	V	0.02	1.4	6.89	350
180970078	2012	10	29	9	V	0.01	1.3	7.54	353
180970078	2012	10	29	10	V	0.01	1.5	8.37	351
180970078	2012	10	29	11	V	0.01	1.4	9.59	352
180970078	2012	10	29	12	V	0.01	1.3	10.15	352
180970078	2012	10	29	13	V	0.01	1.4	10.75	349
180970078	2012	10	29	14	V	0.01	1.6	12.06	345
180970078	2012	10	29	15	V	0.01	1.7	11.82	344
180970078	2012	10	29	16	V	0.03	1.6	11.4	340

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	29	17	V	0.03	1.4	10.58	336
180970078	2012	10	29	18	V	0.04	1.4	10.38	331
180970078	2012	10	29	19	V	0.03	1.4	10.27	329
180970078	2012	10	29	20	V	0.03	1.6	10.73	332
180970078	2012	10	29	21	V	0.03	1.6	11.06	319
180970078	2012	10	29	22	V	0.03	1.6	8.46	320
180970078	2012	10	29	23	V	0.03	1.5	7.96	319
180970078	2012	10	29	24	V	0.03	1.4	9.56	307
180970078	2012	10	30	1	V	0.02	1.4	9.56	320
180970078	2012	10	30	2	V	0.03	1.5	8.46	310
180970078	2012	10	30	3	V	0.03	1.5	11.06	306
180970078	2012	10	30	4	V	0.02	1.5	8.96	307
180970078	2012	10	30	5	V	0.03	1.5	10.56	310
180970078	2012	10	30	6	V	0.03	1.5	10.56	307
180970078	2012	10	30	7	V	0.04	1.6	10.56	315
180970078	2012	10	30	8	V	0.01	1.6	11.06	321
180970078	2012	10	30	9	V	0.01	1.5	10.56	296
180970078	2012	10	30	10	V	0.01	1.5	9.56	314
180970078	2012	10	30	11	V	0.01	1.5	8.46	309
180970078	2012	10	30	12	V	0.01	1.5	9.06	311
180970078	2012	10	30	13	V	0.01	1.5	9.56	305
180970078	2012	10	30	14	V	0.01	1.5	9.06	314
180970078	2012	10	30	15	V	0.04	1.4	10.06	310
180970078	2012	10	30	16	V	0.04	1.4	11.56	311
180970078	2012	10	30	17	V	0.04	1.4	10.56	309
180970078	2012	10	30	18	V	0.04	1.3	9.06	313
180970078	2012	10	30	19	V	0.04	1.3	8.96	309
180970078	2012	10	30	20	V	0.03	1.3	9.06	314
180970078	2012	10	30	21	V	0.04	1.3	7.96	296
180970078	2012	10	30	22	V	0.04	1.3	6.46	298
180970078	2012	10	30	23	V	0.03	1.4	6.46	304
180970078	2012	10	30	24	V	0.03	1.4	6.96	307
180970078	2012	10	31	1	V	0.03	1.5	7.4	308
180970078	2012	10	31	2	V	0.03	1.5	7.23	307
180970078	2012	10	31	3	V	0.03	1.5	6.57	294
180970078	2012	10	31	4	V	0.03	1.6	6.87	285
180970078	2012	10	31	5	V	0.04	1.6	6.89	289
180970078	2012	10	31	6	V	0.04	1.7	7.11	292
180970078	2012	10	31	7	V	0.02	1.7	6.35	295
180970078	2012	10	31	8	V	0.03	1.7	6.21	292
180970078	2012	10	31	9	V	0.02	1.7	6.87	296
180970078	2012	10	31	10	V	0.02	1.8	7.18	298
180970078	2012	10	31	11	V	0.02	1.9	7.18	294
180970078	2012	10	31	12	V	0.02	2	6.7	281
180970078	2012	10	31	13	V	0.02	1.8	6.91	284
180970078	2012	10	31	14	V	0.01	1.7	7.89	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	10	31	15	V	0.05	1.7	7.62	294
180970078	2012	10	31	16	V	0.04	1.5	7.28	299
180970078	2012	10	31	17	V	0.04	1.6	7.45	303
180970078	2012	10	31	18	V	0.04	1.6	5.89	310
180970078	2012	10	31	19	V	0.05	1.6	5.26	316
180970078	2012	10	31	20	V	0.05	1.8	3.2	298
180970078	2012	10	31	21	V	0.05	1.8	3.15	275
180970078	2012	10	31	22	V	0.04	1.6	3.17	270
180970078	2012	10	31	23	V	0.04	1.7	4.24	270
180970078	2012	10	31	24	V	0.05	1.5	4.56	284
180970078	2012	11	1	1	V	0.04	1.5	4.75	282
180970078	2012	11	1	2	V	0.04	1.6	3.97	280
180970078	2012	11	1	3	V	0.04	1.6	3.88	279
180970078	2012	11	1	4	V	0.03	1.5	4.39	293
180970078	2012	11	1	5	V	0.03	1.7	4.26	290
180970078	2012	11	1	6	V	0.03	1.8	3.9	279
180970078	2012	11	1	7	V	0.1	1.9	4.19	268
180970078	2012	11	1	8	V	0.2	2.2	3.78	259
180970078	2012	11	1	9	V	0.1	2.1	4.46	276
180970078	2012	11	1	10	V	0.07	2.4	5.38	290
180970078	2012	11	1	11	V	0.09	2.6	5.05	288
180970078	2012	11	1	12	V	0.05	2.3	5.8	286
180970078	2012	11	1	13	V	0.03	2	6.65	286
180970078	2012	11	1	14	V	0.02	2	7.35	287
180970078	2012	11	1	15	V	0.01	2.2	7.09	280
180970078	2012	11	1	16	V	0.05	2.2	7.25	262
180970078	2012	11	1	17	V	0.07	1.9	6.55	259
180970078	2012	11	1	18	V	0.3	2.1	4.66	248
180970078	2012	11	1	19	V	0.3	2.1	3.46	244
180970078	2012	11	1	20	V	0.3	2.5	2.81	244
180970078	2012	11	1	21	V	0.4	3.1	2.5	251
180970078	2012	11	1	22	V	0.1	-999	1.99	242
180970078	2012	11	1	23	V	1.8	-999	0.7	297
180970078	2012	11	1	24	V	0.6	2.5	1.09	104
180970078	2012	11	2	1	V	2.2	3.1	0.55	243
180970078	2012	11	2	2	V	0.08	3.1	2.08	291
180970078	2012	11	2	3	V	0.03	2.6	4.22	359
180970078	2012	11	2	4	V	0.03	1.8	4.15	4
180970078	2012	11	2	5	V	0.04	1.7	3.22	357
180970078	2012	11	2	6	V	0.06	1.9	2.66	324
180970078	2012	11	2	7	V	0.2	2	3.35	333
180970078	2012	11	2	8	V	0.2	2.6	3.91	338
180970078	2012	11	2	9	V	0.2	2.4	3.83	356
180970078	2012	11	2	10	V	0.08	2.1	5.05	13
180970078	2012	11	2	11	V	0.06	1.8	5.43	13
180970078	2012	11	2	12	V	0.1	1.6	3.56	348

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	2	13	V	0.08	1.6	4.43	324
180970078	2012	11	2	14	V	0.06	1.6	4.34	322
180970078	2012	11	2	15	V	0.02	1.6	4.41	322
180970078	2012	11	2	16	V	0.05	1.8	4.07	327
180970078	2012	11	2	17	V	0.05	2	4.15	315
180970078	2012	11	2	18	V	0.05	1.9	3.66	318
180970078	2012	11	2	19	V	0.05	2	3.63	354
180970078	2012	11	2	20	V	0.05	1.8	2.84	359
180970078	2012	11	2	21	V	0.04	1.6	3.91	8
180970078	2012	11	2	22	V	0.04	1.5	3.15	5
180970078	2012	11	2	23	V	0.04	1.5	3.54	14
180970078	2012	11	2	24	V	0.03	1.5	3.37	15
180970078	2012	11	3	1	V	0.04	1.4	3.27	26
180970078	2012	11	3	2	V	0.04	1.4	3.37	25
180970078	2012	11	3	3	V	0.04	1.4	3.61	30
180970078	2012	11	3	4	V	0.06	1.4	2.5	40
180970078	2012	11	3	5	V	0.05	1.4	2.67	45
180970078	2012	11	3	6	V	0.05	1.3	3.1	55
180970078	2012	11	3	7	V	0.1	1.3	2.01	71
180970078	2012	11	3	8	V	0.2	1.5	3.69	86
180970078	2012	11	3	9	V	0.2	1.6	3.49	89
180970078	2012	11	3	10	V	0.2	1.7	2.93	80
180970078	2012	11	3	11	V	0.4	1.7	2.32	68
180970078	2012	11	3	12	V	0.1	1.7	3.61	101
180970078	2012	11	3	13	V	0.1	1.5	3.39	76
180970078	2012	11	3	14	V	0.07	1.5	3.81	72
180970078	2012	11	3	15	V	0.07	1.5	3.88	43
180970078	2012	11	3	16	V	0.05	1.5	4.41	38
180970078	2012	11	3	17	V	0.05	1.4	3.85	44
180970078	2012	11	3	18	V	0.05	1.4	4.37	34
180970078	2012	11	3	19	V	0.05	1.5	3.32	35
180970078	2012	11	3	20	V	0.05	1.5	3.59	29
180970078	2012	11	3	21	V	0.05	1.4	3.03	27
180970078	2012	11	3	22	V	0.07	1.5	2.28	8
180970078	2012	11	3	23	V	0.05	1.4	2.71	353
180970078	2012	11	3	24	V	0.1	1.5	1.93	338
180970078	2012	11	4	1	V	0.04	1.6	3.03	332
180970078	2012	11	4	2	V	0.06	1.6	2.64	342
180970078	2012	11	4	3	V	0.05	1.5	2.71	355
180970078	2012	11	4	4	V	0.03	1.4	3.34	3
180970078	2012	11	4	5	V	0.03	1.4	3	16
180970078	2012	11	4	6	V	0.06	1.4	2.45	16
180970078	2012	11	4	7	V	0.5	1.3	1.82	2
180970078	2012	11	4	8	V	0.5	1.4	2.38	357
180970078	2012	11	4	9	V	0.9	1.4	1.91	22
180970078	2012	11	4	10	V	0.2	1.6	3.42	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	4	11	V	0.09	1.7	4.51	21
180970078	2012	11	4	12	V	0.05	1.9	4.99	4
180970078	2012	11	4	13	V	0.04	1.8	5.26	2
180970078	2012	11	4	14	V	0.05	1.7	4.25	357
180970078	2012	11	4	15	V	0.07	1.6	4.63	329
180970078	2012	11	4	16	V	0.05	1.6	4.24	339
180970078	2012	11	4	17	V	0.05	1.6	3.69	339
180970078	2012	11	4	18	V	0.05	1.6	2.67	348
180970078	2012	11	4	19	V	0.07	1.5	2.18	28
180970078	2012	11	4	20	V	0.09	1.5	2.11	48
180970078	2012	11	4	21	V	0.2	1.8	1.6	55
180970078	2012	11	4	22	C	-999	2.1	0	0
180970078	2012	11	4	23	V	1.2	2.3	0.86	292
180970078	2012	11	4	24	V	0.3	2	1.43	284
180970078	2012	11	5	1	V	0.2	2.1	1.54	296
180970078	2012	11	5	2	V	0.2	2.6	1.53	312
180970078	2012	11	5	3	V	0.2	2.7	1.65	348
180970078	2012	11	5	4	V	0.3	2.6	1.48	320
180970078	2012	11	5	5	V	0.4	2.8	1.25	330
180970078	2012	11	5	6	V	2.3	3	0.6	29
180970078	2012	11	5	7	V	2.5	3.2	0.87	354
180970078	2012	11	5	8	V	1.7	2.5	1.54	2
180970078	2012	11	5	9	V	1.2	3	1.72	43
180970078	2012	11	5	10	V	0.8	2.3	1.89	84
180970078	2012	11	5	11	V	0.2	2	2.59	86
180970078	2012	11	5	12	V	0.2	1.9	2.57	94
180970078	2012	11	5	13	V	0.3	2.1	2.23	66
180970078	2012	11	5	14	V	0.1	2.1	2.57	74
180970078	2012	11	5	15	V	0.03	2	2.71	88
180970078	2012	11	5	16	V	0.05	1.9	2.78	97
180970078	2012	11	5	17	V	0.05	1.7	3.12	103
180970078	2012	11	5	18	V	0.06	1.8	2.38	110
180970078	2012	11	5	19	V	0.09	1.9	2.1	62
180970078	2012	11	5	20	V	0.3	2.6	1.42	101
180970078	2012	11	5	21	V	0.2	3.5	1.67	48
180970078	2012	11	5	22	V	0.05	3.7	2.93	32
180970078	2012	11	5	23	V	0.06	3.5	2.83	46
180970078	2012	11	5	24	V	0.04	2.9	3.08	39
180970078	2012	11	6	1	V	0.06	2.5	2.52	31
180970078	2012	11	6	2	V	0.04	2.4	3.12	43
180970078	2012	11	6	3	V	0.07	2.4	2.45	36
180970078	2012	11	6	4	V	0.1	2.4	2.03	36
180970078	2012	11	6	5	V	0.1	2.2	1.99	67
180970078	2012	11	6	6	V	0.1	2.1	1.96	66
180970078	2012	11	6	7	V	0.1	2.5	2.01	58
180970078	2012	11	6	8	V	0.7	3	2.16	68

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	6	9	V	1.7	3.3	1.43	64
180970078	2012	11	6	10	V	0.3	3.9	2.95	127
180970078	2012	11	6	11	V	0.3	5.7	2.78	134
180970078	2012	11	6	12	V	0.3	6.5	2.66	144
180970078	2012	11	6	13	V	0.2	8.6	2.98	177
180970078	2012	11	6	14	V	0.08	8.1	2.52	179
180970078	2012	11	6	15	V	32.6	9.5	1.98	215
180970078	2012	11	6	16	V	0.2	17.1	1.53	144
180970078	2012	11	6	17	V	0.07	11.6	2.18	121
180970078	2012	11	6	18	V	0.2	8.6	1.57	121
180970078	2012	11	6	19	V	0.7	7.7	1.04	288
180970078	2012	11	6	20	V	0.06	6	2.33	285
180970078	2012	11	6	21	V	0.05	6.5	3.69	279
180970078	2012	11	6	22	V	0.06	3.7	2.36	277
180970078	2012	11	6	23	C	-999	2.8	0	0
180970078	2012	11	6	24	C	-999	2.1	0	0
180970078	2012	11	7	1	C	-999	1.9	0	0
180970078	2012	11	7	2	C	-999	2	0	0
180970078	2012	11	7	3	C	-999	2	0	0
180970078	2012	11	7	4	C	-999	1.9	0	0
180970078	2012	11	7	5	V	0.1	1.9	1.76	49
180970078	2012	11	7	6	V	0.05	1.9	2.36	22
180970078	2012	11	7	7	V	0.07	2	2.49	40
180970078	2012	11	7	8	V	0.2	2.1	3.08	46
180970078	2012	11	7	9	V	0.3	2.2	2.98	47
180970078	2012	11	7	10	V	0.3	2.7	2.62	58
180970078	2012	11	7	11	V	0.4	3.3	2.1	44
180970078	2012	11	7	12	V	0.3	4.8	2.1	34
180970078	2012	11	7	13	V	0.2	5.1	2.25	22
180970078	2012	11	7	14	V	0.2	4.4	2.33	357
180970078	2012	11	7	15	V	0.02	3.7	2.74	354
180970078	2012	11	7	16	V	0.05	3.8	3.01	330
180970078	2012	11	7	17	V	0.05	3.8	3.61	330
180970078	2012	11	7	18	V	0.04	3.4	3.37	325
180970078	2012	11	7	19	V	0.04	3	3.34	327
180970078	2012	11	7	20	V	0.04	2.6	3.03	331
180970078	2012	11	7	21	V	0.06	3.9	2.74	318
180970078	2012	11	7	22	V	0.04	2.8	3.15	317
180970078	2012	11	7	23	V	0.04	3.8	3.64	315
180970078	2012	11	7	24	V	0.04	4	3.57	321
180970078	2012	11	8	1	V	0.03	3.6	3.78	326
180970078	2012	11	8	2	V	0.03	3.4	3.03	334
180970078	2012	11	8	3	V	0.1	3	1.72	307
180970078	2012	11	8	4	V	0.2	2.5	1.45	316
180970078	2012	11	8	5	V	0.07	2.8	2.38	312
180970078	2012	11	8	6	V	0.8	3	1.01	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	8	7	V	0.1	3.5	1.65	261
180970078	2012	11	8	8	V	4.6	3.5	0.87	252
180970078	2012	11	8	9	V	1.2	4.5	1.59	259
180970078	2012	11	8	10	V	2.7	5.1	0.8	249
180970078	2012	11	8	11	V	2.7	5	0.7	191
180970078	2012	11	8	12	V	2.5	4.5	0.84	90
180970078	2012	11	8	13	V	0.4	3.6	1.55	268
180970078	2012	11	8	14	V	0.07	3.2	3.4	254
180970078	2012	11	8	15	V	0.3	3.3	2.86	246
180970078	2012	11	8	16	V	0.3	6	2.61	245
180970078	2012	11	8	17	V	0.4	18.9	3.05	247
180970078	2012	11	8	18	V	0.05	19.2	2.93	262
180970078	2012	11	8	19	V	0.6	5	1.08	275
180970078	2012	11	8	20	V	0.7	4.1	1.98	232
180970078	2012	11	8	21	V	37.7	4.1	2.18	210
180970078	2012	11	8	22	V	0.4	-999	1.31	181
180970078	2012	11	8	23	V	0.1	-999	1.86	136
180970078	2012	11	8	24	V	0.1	6.4	1.93	149
180970078	2012	11	9	1	V	0.1	5	1.94	143
180970078	2012	11	9	2	V	0.2	4.3	1.72	158
180970078	2012	11	9	3	V	0.09	3.5	2.13	139
180970078	2012	11	9	4	V	0.1	2.7	2.03	128
180970078	2012	11	9	5	V	0.1	2	2.08	132
180970078	2012	11	9	6	V	0.05	2.1	2.86	125
180970078	2012	11	9	7	V	0.07	1.9	2.93	134
180970078	2012	11	9	8	V	0.2	2	3.73	133
180970078	2012	11	9	9	V	0.2	2.4	4.27	146
180970078	2012	11	9	10	V	0.2	5.1	3.93	164
180970078	2012	11	9	11	V	0.07	7.3	4.94	173
180970078	2012	11	9	12	V	0.04	6.3	5.68	167
180970078	2012	11	9	13	V	0.04	5.2	5.68	165
180970078	2012	11	9	14	V	0.03	4.9	6.16	166
180970078	2012	11	9	15	V	0.02	4.3	5.77	176
180970078	2012	11	9	16	V	0.04	4.6	5.82	185
180970078	2012	11	9	17	V	0.05	5	5.04	160
180970078	2012	11	9	18	V	0.05	5.1	4.85	155
180970078	2012	11	9	19	V	0.04	6.7	4.88	150
180970078	2012	11	9	20	V	0.04	6.6	4.48	147
180970078	2012	11	9	21	V	0.04	4.7	4.66	145
180970078	2012	11	9	22	V	0.04	4.2	4.78	146
180970078	2012	11	9	23	V	0.04	3.9	3.97	154
180970078	2012	11	9	24	V	0.04	3.5	3.32	168
180970078	2012	11	10	1	V	0.05	3.2	2.39	136
180970078	2012	11	10	2	V	0.05	3.2	2.25	150
180970078	2012	11	10	3	V	0.05	3.3	2.28	153
180970078	2012	11	10	4	V	0.04	3.4	4.02	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	10	5	V	0.04	3.3	4.02	168
180970078	2012	11	10	6	V	0.04	3.4	3.86	164
180970078	2012	11	10	7	V	0.06	3.6	4.03	173
180970078	2012	11	10	8	V	0.09	3.6	4.34	179
180970078	2012	11	10	9	V	0.07	3.8	4.97	182
180970078	2012	11	10	10	V	0.04	4.3	6.09	187
180970078	2012	11	10	11	V	0.03	4.5	6.84	192
180970078	2012	11	10	12	V	0.02	4.4	7.18	187
180970078	2012	11	10	13	V	0.02	4.1	7.88	185
180970078	2012	11	10	14	V	0.01	3.9	7.69	181
180970078	2012	11	10	15	V	0.01	3.6	7.26	191
180970078	2012	11	10	16	V	0.03	3.1	7.08	188
180970078	2012	11	10	17	V	0.03	3	6.86	183
180970078	2012	11	10	18	V	0.03	3.6	5	183
180970078	2012	11	10	19	V	0.04	3.8	5.5	173
180970078	2012	11	10	20	V	0.04	3.6	5.21	169
180970078	2012	11	10	21	V	0.04	3.1	4.76	163
180970078	2012	11	10	22	V	0.04	2.8	4.15	160
180970078	2012	11	10	23	V	0.03	2.7	5.55	171
180970078	2012	11	10	24	V	0.03	2.7	6.89	181
180970078	2012	11	11	1	V	0.03	2.9	8.13	182
180970078	2012	11	11	2	V	0.03	3.4	7.5	183
180970078	2012	11	11	3	V	0.03	3.7	5.85	186
180970078	2012	11	11	4	V	0.03	3.9	5.7	178
180970078	2012	11	11	5	V	0.03	4.1	6.36	178
180970078	2012	11	11	6	V	0.03	3.8	6.36	177
180970078	2012	11	11	7	V	0.02	3	5.97	171
180970078	2012	11	11	8	V	0.04	2.7	4.99	158
180970078	2012	11	11	9	V	0.03	3.3	6.09	163
180970078	2012	11	11	10	V	0.02	4	7.13	171
180970078	2012	11	11	11	V	0.01	4.7	9.05	182
180970078	2012	11	11	12	V	0.01	4.1	10.41	181
180970078	2012	11	11	13	V	0.01	3.2	11.26	184
180970078	2012	11	11	14	V	0.01	2.7	10.17	184
180970078	2012	11	11	15	V	0.01	2.6	10.24	179
180970078	2012	11	11	16	V	0.03	2.6	8.2	174
180970078	2012	11	11	17	V	0.04	2.5	7.77	170
180970078	2012	11	11	18	V	0.05	2.4	7.26	164
180970078	2012	11	11	19	V	0.05	2.5	7.76	150
180970078	2012	11	11	20	V	0.05	2.8	8.93	167
180970078	2012	11	11	21	V	0.05	2.5	7.52	164
180970078	2012	11	11	22	V	0.05	2.3	9.35	177
180970078	2012	11	11	23	V	0.04	2.8	10.43	188
180970078	2012	11	11	24	V	0.04	2.3	8.57	186
180970078	2012	11	12	1	V	0.04	2	7.3	180
180970078	2012	11	12	2	V	0.04	1.9	8	191

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	12	3	V	2.4	1.9	5.26	202
180970078	2012	11	12	4	V	0.04	1.8	3.95	285
180970078	2012	11	12	5	V	0.04	1.6	3.37	280
180970078	2012	11	12	6	V	0.03	1.6	8.03	293
180970078	2012	11	12	7	V	0.04	1.5	5.44	303
180970078	2012	11	12	8	V	0.02	1.6	7.32	298
180970078	2012	11	12	9	V	0.01	1.6	7.52	283
180970078	2012	11	12	10	V	0.02	1.5	6.58	271
180970078	2012	11	12	11	V	0.02	1.5	6.5	270
180970078	2012	11	12	12	V	0.02	1.5	7.71	272
180970078	2012	11	12	13	V	0.02	1.6	7.96	268
180970078	2012	11	12	14	V	0.01	1.7	8.51	269
180970078	2012	11	12	15	V	0.05	1.7	8.47	269
180970078	2012	11	12	16	V	0.03	1.7	8.15	267
180970078	2012	11	12	17	V	0.04	1.8	7.35	262
180970078	2012	11	12	18	V	0.05	1.8	6.58	260
180970078	2012	11	12	19	V	0.04	1.6	6.33	263
180970078	2012	11	12	20	V	0.2	1.5	4.65	253
180970078	2012	11	12	21	V	0.08	1.6	3.88	238
180970078	2012	11	12	22	V	15.6	1.6	3.32	220
180970078	2012	11	12	23	V	2.9	2.6	3.35	226
180970078	2012	11	12	24	V	0.08	2.3	4.02	238
180970078	2012	11	13	1	V	0.3	1.9	3.64	246
180970078	2012	11	13	2	V	0.2	1.9	3.51	243
180970078	2012	11	13	3	V	0.06	1.8	3.32	240
180970078	2012	11	13	4	V	0.2	1.7	3.46	253
180970078	2012	11	13	5	V	0.03	1.7	3.29	261
180970078	2012	11	13	6	V	0.4	1.6	3.25	246
180970078	2012	11	13	7	V	0.1	2.3	2.93	237
180970078	2012	11	13	8	V	0.5	2.5	2.64	264
180970078	2012	11	13	9	V	0.3	2	2.93	297
180970078	2012	11	13	10	V	0.3	2.3	3.17	319
180970078	2012	11	13	11	V	0.2	2.2	3.9	323
180970078	2012	11	13	12	V	0.3	1.9	3.07	310
180970078	2012	11	13	13	V	0.2	1.8	2.96	314
180970078	2012	11	13	14	V	0.2	2	2.84	315
180970078	2012	11	13	15	V	0.07	2.1	2.57	327
180970078	2012	11	13	16	V	0.1	1.9	2.1	323
180970078	2012	11	13	17	V	0.08	1.8	2.3	301
180970078	2012	11	13	18	V	0.08	1.7	2.32	311
180970078	2012	11	13	19	V	0.1	1.6	2.15	324
180970078	2012	11	13	20	V	0.1	1.7	2.06	338
180970078	2012	11	13	21	V	0.06	1.9	2.61	30
180970078	2012	11	13	22	V	0.1	2.2	2.01	54
180970078	2012	11	13	23	V	0.09	2.5	2.1	73
180970078	2012	11	13	24	V	0.06	1.8	2.61	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	14	1	V	0.3	1.6	1.33	74
180970078	2012	11	14	2	V	0.4	1.8	1.28	68
180970078	2012	11	14	3	V	0.1	2	1.91	23
180970078	2012	11	14	4	V	0.06	2.1	2.56	47
180970078	2012	11	14	5	V	0.07	1.9	2.47	45
180970078	2012	11	14	6	V	0.06	1.8	2.5	61
180970078	2012	11	14	7	V	0.09	1.6	2.61	65
180970078	2012	11	14	8	V	0.4	1.7	2.59	58
180970078	2012	11	14	9	V	0.4	2.1	2.88	85
180970078	2012	11	14	10	V	0.3	2.4	3.4	91
180970078	2012	11	14	11	V	0.2	2.1	3.95	112
180970078	2012	11	14	12	V	0.1	2.3	4.02	114
180970078	2012	11	14	13	V	0.1	2.6	3.85	117
180970078	2012	11	14	14	V	0.2	2.6	2.72	105
180970078	2012	11	14	15	V	0.09	2.7	2.76	83
180970078	2012	11	14	16	V	0.06	2.5	2.44	84
180970078	2012	11	14	17	V	0.06	2.2	2.95	78
180970078	2012	11	14	18	V	0.05	2.1	3.39	67
180970078	2012	11	14	19	V	0.05	1.8	3.22	96
180970078	2012	11	14	20	V	0.06	1.7	2.45	80
180970078	2012	11	14	21	V	0.06	1.6	2.61	64
180970078	2012	11	14	22	V	0.09	1.7	2.18	57
180970078	2012	11	14	23	V	0.08	2.3	2.25	66
180970078	2012	11	14	24	V	0.06	2.2	2.71	74
180970078	2012	11	15	1	V	0.07	2.9	2.45	74
180970078	2012	11	15	2	V	0.1	3.1	2.05	52
180970078	2012	11	15	3	V	0.08	2.7	2.23	28
180970078	2012	11	15	4	V	0.09	2.3	2.16	18
180970078	2012	11	15	5	V	0.1	2.4	2.04	20
180970078	2012	11	15	6	V	0.08	2.6	2.28	31
180970078	2012	11	15	7	V	0.1	3	1.79	48
180970078	2012	11	15	8	V	0.8	2.9	1.77	42
180970078	2012	11	15	9	V	1.1	4	1.82	34
180970078	2012	11	15	10	V	3.9	3.3	1.18	41
180970078	2012	11	15	11	V	4.6	3.6	0.84	107
180970078	2012	11	15	12	V	1.6	4.6	1.37	57
180970078	2012	11	15	13	V	1.6	5	1.37	40
180970078	2012	11	15	14	V	1.6	4.7	1.06	27
180970078	2012	11	15	15	V	1.0	4.4	0.79	28
180970078	2012	11	15	16	V	2.1	4	0.65	137
180970078	2012	11	15	17	V	1.0	3.7	0.91	284
180970078	2012	11	15	18	V	0.4	2.9	1.3	275
180970078	2012	11	15	19	V	0.07	2.3	2.38	354
180970078	2012	11	15	20	V	0.1	3.3	1.96	35
180970078	2012	11	15	21	V	0.1	2.7	2.03	8
180970078	2012	11	15	22	V	0.2	-999	1.79	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	15	23	V	0.2	-999	1.72	20
180970078	2012	11	15	24	V	0.2	4.3	1.77	10
180970078	2012	11	16	1	V	0.7	4.3	1.06	30
180970078	2012	11	16	2	V	0.2	4.5	1.59	39
180970078	2012	11	16	3	V	0.3	4.4	1.28	2
180970078	2012	11	16	4	V	0.1	4	1.77	7
180970078	2012	11	16	5	V	0.07	3.6	2.33	29
180970078	2012	11	16	6	V	0.07	3.6	2.45	36
180970078	2012	11	16	7	V	0.2	4	1.67	5
180970078	2012	11	16	8	V	1.4	4.4	1.45	20
180970078	2012	11	16	9	V	1.4	5.7	1.74	46
180970078	2012	11	16	10	V	4.0	4.4	1.11	46
180970078	2012	11	16	11	V	0.9	3	1.91	70
180970078	2012	11	16	12	V	0.6	2.8	2.15	76
180970078	2012	11	16	13	V	0.6	3.5	1.96	84
180970078	2012	11	16	14	V	0.4	9	1.82	75
180970078	2012	11	16	15	V	0.1	7.8	1.7	56
180970078	2012	11	16	16	V	0.3	7.3	1.45	35
180970078	2012	11	16	17	V	0.2	7.7	1.79	34
180970078	2012	11	16	18	V	0.08	4.1	2.28	36
180970078	2012	11	16	19	V	0.06	2.6	2.72	22
180970078	2012	11	16	20	V	0.04	2.8	3.1	33
180970078	2012	11	16	21	V	0.04	3.1	3.15	46
180970078	2012	11	16	22	V	0.04	2.5	3.03	44
180970078	2012	11	16	23	V	0.06	2.7	2.56	50
180970078	2012	11	16	24	V	0.07	2.8	2.3	68
180970078	2012	11	17	1	V	0.04	3.2	2.95	83
180970078	2012	11	17	2	V	0.07	3	2.4	71
180970078	2012	11	17	3	V	0.06	3.5	2.59	72
180970078	2012	11	17	4	V	0.1	3.3	1.99	74
180970078	2012	11	17	5	V	0.1	3	1.94	78
180970078	2012	11	17	6	V	0.2	3	1.64	54
180970078	2012	11	17	7	V	0.1	2.8	1.93	14
180970078	2012	11	17	8	V	0.4	2.9	2.89	24
180970078	2012	11	17	9	V	0.4	2.7	3.37	40
180970078	2012	11	17	10	V	0.4	3.2	2.67	49
180970078	2012	11	17	11	V	0.5	5.1	2.57	89
180970078	2012	11	17	12	V	0.4	5	2.61	113
180970078	2012	11	17	13	V	0.3	7	2.62	103
180970078	2012	11	17	14	V	0.3	7.2	2.18	90
180970078	2012	11	17	15	V	0.07	7.1	3.05	88
180970078	2012	11	17	16	V	0.04	4.1	3.95	88
180970078	2012	11	17	17	V	0.04	4.7	3.52	83
180970078	2012	11	17	18	V	0.05	4.2	2.62	77
180970078	2012	11	17	19	V	0.07	3.2	2.37	59
180970078	2012	11	17	20	V	0.04	3	3.52	72

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	17	21	V	0.04	3.2	3.47	72
180970078	2012	11	17	22	V	0.04	2.6	3.35	67
180970078	2012	11	17	23	V	0.05	2.6	3.37	86
180970078	2012	11	17	24	V	0.04	2.5	3.05	91
180970078	2012	11	18	1	V	0.06	2.3	2.39	88
180970078	2012	11	18	2	V	0.04	2.4	2.93	91
180970078	2012	11	18	3	V	0.1	3.3	1.81	89
180970078	2012	11	18	4	V	0.08	3.4	2.11	83
180970078	2012	11	18	5	V	0.08	3.3	2.11	79
180970078	2012	11	18	6	V	0.04	2.9	2.79	72
180970078	2012	11	18	7	V	0.06	2.6	2.81	72
180970078	2012	11	18	8	V	0.6	2.5	1.91	60
180970078	2012	11	18	9	V	1.1	2.7	1.82	57
180970078	2012	11	18	10	V	1.0	3.3	2.01	84
180970078	2012	11	18	11	V	0.7	8.5	1.93	127
180970078	2012	11	18	12	V	1.1	9.1	1.42	68
180970078	2012	11	18	13	V	1.6	8.3	1.3	76
180970078	2012	11	18	14	V	0.4	6.9	1.94	99
180970078	2012	11	18	15	V	0.08	7.7	2.32	109
180970078	2012	11	18	16	V	0.03	7.3	3.13	111
180970078	2012	11	18	17	V	0.04	5.2	2.88	125
180970078	2012	11	18	18	V	0.08	4.9	1.84	137
180970078	2012	11	18	19	V	0.3	4.2	1.31	104
180970078	2012	11	18	20	V	0.1	4.9	2.05	97
180970078	2012	11	18	21	V	0.04	4.7	3.12	85
180970078	2012	11	18	22	V	0.04	4.7	3.17	101
180970078	2012	11	18	23	V	0.06	3.1	2.47	108
180970078	2012	11	18	24	V	0.2	2.8	1.54	132
180970078	2012	11	19	1	V	0.07	2.2	2.32	128
180970078	2012	11	19	2	V	0.07	2.3	2.13	110
180970078	2012	11	19	3	V	0.8	2.4	0.91	63
180970078	2012	11	19	4	V	0.4	3	1.13	81
180970078	2012	11	19	5	V	0.1	3.2	1.81	102
180970078	2012	11	19	6	V	0.4	3.1	1.2	101
180970078	2012	11	19	7	V	0.4	2.8	1.25	90
180970078	2012	11	19	8	V	1.0	3.4	1.59	107
180970078	2012	11	19	9	V	1.3	4	1.54	62
180970078	2012	11	19	10	V	1.0	5.6	1.98	118
180970078	2012	11	19	11	V	2.0	34.9	1.4	132
180970078	2012	11	19	12	V	0.9	54.6	1.7	136
180970078	2012	11	19	13	V	0.6	61.6	1.93	176
180970078	2012	11	19	14	V	0.5	58.4	1.64	178
180970078	2012	11	19	15	V	33.5	40	1.93	211
180970078	2012	11	19	16	V	0.7	34	1.25	250
180970078	2012	11	19	17	V	1.0	62.6	0.91	281
180970078	2012	11	19	18	V	0.4	35.5	1.28	128

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	19	19	V	0.06	24.2	2.42	146
180970078	2012	11	19	20	V	0.06	14.4	2.57	151
180970078	2012	11	19	21	V	0.06	9.4	2.33	150
180970078	2012	11	19	22	V	0.1	7.6	1.77	149
180970078	2012	11	19	23	V	0.07	6.9	2.06	152
180970078	2012	11	19	24	V	24.9	5.6	1.2	206
180970078	2012	11	20	1	V	35.4	4.9	1.65	217
180970078	2012	11	20	2	V	1.3	4.8	0.74	149
180970078	2012	11	20	3	V	0.3	4.3	1.25	57
180970078	2012	11	20	4	V	0.04	3.1	2.5	138
180970078	2012	11	20	5	V	0.06	3.1	1.99	189
180970078	2012	11	20	6	V	0.2	3.1	1.26	153
180970078	2012	11	20	7	V	0.09	3.4	1.82	125
180970078	2012	11	20	8	V	0.6	3.9	2.06	133
180970078	2012	11	20	9	V	0.4	4	2.93	137
180970078	2012	11	20	10	V	0.8	4.7	2.37	130
180970078	2012	11	20	11	V	4.4	6.5	2.27	194
180970078	2012	11	20	12	V	0.4	24.2	2.28	256
180970078	2012	11	20	13	V	32.4	14.1	1.03	219
180970078	2012	11	20	14	V	27.5	12.9	1.16	204
180970078	2012	11	20	15	V	0.7	19.8	2.23	232
180970078	2012	11	20	16	V	0.06	23.8	2.54	273
180970078	2012	11	20	17	V	0.1	7.9	1.87	299
180970078	2012	11	20	18	V	0.1	5.6	2.03	316
180970078	2012	11	20	19	V	0.07	5.1	2.27	323
180970078	2012	11	20	20	V	0.05	4.9	2.89	324
180970078	2012	11	20	21	V	0.06	4.4	2.55	323
180970078	2012	11	20	22	V	0.07	4.1	2.35	324
180970078	2012	11	20	23	V	0.06	3.2	2.4	338
180970078	2012	11	20	24	V	0.06	3.3	2.33	326
180970078	2012	11	21	1	V	0.05	3.3	2.91	323
180970078	2012	11	21	2	V	0.05	3.3	2.95	317
180970078	2012	11	21	3	V	0.05	3.3	2.84	324
180970078	2012	11	21	4	V	0.04	2.7	2.86	355
180970078	2012	11	21	5	V	0.07	2.2	2.27	341
180970078	2012	11	21	6	V	0.08	2.1	2.16	332
180970078	2012	11	21	7	V	0.07	2.2	2.16	333
180970078	2012	11	21	8	V	0.9	2.5	1.81	335
180970078	2012	11	21	9	V	5.3	4	0.87	300
180970078	2012	11	21	10	V	6.3	4.2	0.8	313
180970078	2012	11	21	11	V	1.0	4.9	1.93	323
180970078	2012	11	21	12	V	1.0	4.7	1.82	323
180970078	2012	11	21	13	V	0.8	4.4	1.79	304
180970078	2012	11	21	14	V	1.1	3.8	1.25	271
180970078	2012	11	21	15	V	0.2	3.5	1.55	282
180970078	2012	11	21	16	V	5.4	3.5	0.7	233

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	21	17	V	0.8	3.1	1.01	245
180970078	2012	11	21	18	V	0.5	3.2	1.03	174
180970078	2012	11	21	19	V	0.1	4	1.7	176
180970078	2012	11	21	20	V	0.2	6.1	1.67	186
180970078	2012	11	21	21	V	0.3	6.9	1.45	181
180970078	2012	11	21	22	V	0.7	6.8	1.98	248
180970078	2012	11	21	23	V	12.6	6.4	0.84	227
180970078	2012	11	21	24	V	17.1	7	1.54	207
180970078	2012	11	22	1	V	2.5	6.8	1.09	233
180970078	2012	11	22	2	V	0.6	6.2	0.94	166
180970078	2012	11	22	3	V	0.1	5.2	1.59	182
180970078	2012	11	22	4	V	0.2	4.5	1.42	169
180970078	2012	11	22	5	V	28.3	4.1	1.45	209
180970078	2012	11	22	6	V	0.1	3.4	1.69	165
180970078	2012	11	22	7	V	0.06	2.4	2.21	170
180970078	2012	11	22	8	V	0.5	2.1	2.41	156
180970078	2012	11	22	9	V	0.3	2	3.36	161
180970078	2012	11	22	10	V	0.3	2.4	3.36	174
180970078	2012	11	22	11	V	0.03	4.3	6.96	186
180970078	2012	11	22	12	V	0.02	5.7	8.46	193
180970078	2012	11	22	13	V	0.05	9.6	6.46	194
180970078	2012	11	22	14	V	1.1	13.1	6.46	202
180970078	2012	11	22	15	V	5.1	9.7	5.36	202
180970078	2012	11	22	16	V	0.06	7.4	7.46	193
180970078	2012	11	22	17	V	0.04	7.7	4.36	188
180970078	2012	11	22	18	V	0.03	7.5	5.36	189
180970078	2012	11	22	19	V	0.05	6.3	3.86	195
180970078	2012	11	22	20	V	0.04	6.6	4.36	187
180970078	2012	11	22	21	V	0.05	6.6	5.36	193
180970078	2012	11	22	22	V	19.2	-999	6.46	209
180970078	2012	11	22	23	V	20.9	-999	6.96	216
180970078	2012	11	22	24	V	0.9	17.6	11.06	232
180970078	2012	11	23	1	V	1.9	2.7	7.46	229
180970078	2012	11	23	2	V	0.8	2.2	7.69	232
180970078	2012	11	23	3	V	0.2	2	6.8	247
180970078	2012	11	23	4	V	0.03	2	8.64	285
180970078	2012	11	23	5	V	0.02	2	7.55	289
180970078	2012	11	23	6	V	0.02	1.9	7.32	290
180970078	2012	11	23	7	V	0.03	1.8	6.07	275
180970078	2012	11	23	8	V	0.1	1.7	5.09	248
180970078	2012	11	23	9	V	0.02	1.8	7.37	256
180970078	2012	11	23	10	V	0.01	2.1	10.6	276
180970078	2012	11	23	11	V	0.01	2.1	12.53	276
180970078	2012	11	23	12	V	0.01	1.9	10.78	279
180970078	2012	11	23	13	V	0.01	1.8	10.61	275
180970078	2012	11	23	14	V	0.01	1.8	10.8	279

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	23	15	V	0.03	1.8	11.26	285
180970078	2012	11	23	16	V	0.03	1.7	10.02	289
180970078	2012	11	23	17	V	0.03	1.7	9.34	295
180970078	2012	11	23	18	V	0.03	1.6	8.91	298
180970078	2012	11	23	19	V	0.04	1.6	7.06	301
180970078	2012	11	23	20	V	0.04	1.6	8.06	300
180970078	2012	11	23	21	V	0.03	1.6	9.58	302
180970078	2012	11	23	22	V	0.04	1.5	8.22	309
180970078	2012	11	23	23	V	0.04	1.5	6.89	298
180970078	2012	11	23	24	V	0.05	1.5	5.44	303
180970078	2012	11	24	1	V	0.05	1.5	5.29	305
180970078	2012	11	24	2	V	0.05	1.6	4.56	294
180970078	2012	11	24	3	V	0.05	1.6	4.39	285
180970078	2012	11	24	4	V	0.05	1.6	4.44	274
180970078	2012	11	24	5	V	0.05	1.6	4.61	284
180970078	2012	11	24	6	V	0.05	1.6	4.7	295
180970078	2012	11	24	7	V	0.05	1.7	5	306
180970078	2012	11	24	8	V	0.05	1.7	4.49	301
180970078	2012	11	24	9	V	0.06	1.8	5.05	287
180970078	2012	11	24	10	V	0.07	1.9	4.92	283
180970078	2012	11	24	11	V	0.06	1.7	4.54	293
180970078	2012	11	24	12	V	0.06	1.7	4.68	265
180970078	2012	11	24	13	V	0.1	1.8	4.03	266
180970078	2012	11	24	14	V	0.05	1.9	2.66	289
180970078	2012	11	24	15	V	0.06	1.8	2.86	272
180970078	2012	11	24	16	V	0.05	1.8	2.78	268
180970078	2012	11	24	17	V	0.2	1.8	3.06	254
180970078	2012	11	24	18	V	0.06	1.6	2.5	238
180970078	2012	11	24	19	V	4.7	1.7	2.59	205
180970078	2012	11	24	20	V	40.0	1.8	2.61	211
180970078	2012	11	24	21	V	21.5	2.1	3.05	208
180970078	2012	11	24	22	V	34.5	2.1	3.15	210
180970078	2012	11	24	23	V	21.2	2.9	3.68	208
180970078	2012	11	24	24	V	0.05	5.5	3.74	190
180970078	2012	11	25	1	V	0.05	2.4	3.61	181
180970078	2012	11	25	2	V	0.05	2.6	3.88	192
180970078	2012	11	25	3	V	0.07	3.8	3.68	196
180970078	2012	11	25	4	V	0.05	3.4	3.91	179
180970078	2012	11	25	5	V	0.05	2.7	4.56	178
180970078	2012	11	25	6	V	0.05	3.1	5.87	192
180970078	2012	11	25	7	V	0.08	4.2	5.68	193
180970078	2012	11	25	8	V	3.2	5.3	4.88	203
180970078	2012	11	25	9	V	13.9	38	4.95	208
180970078	2012	11	25	10	V	18.1	33.4	5.16	211
180970078	2012	11	25	11	V	1.4	17.1	6.09	229
180970078	2012	11	25	12	V	0.07	5.4	6.99	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	25	13	V	0.03	4.5	6.96	240
180970078	2012	11	25	14	V	0.03	4	6.16	241
180970078	2012	11	25	15	V	0.2	4	6.02	244
180970078	2012	11	25	16	V	0.2	4	5.63	255
180970078	2012	11	25	17	V	0.05	3.8	4.39	264
180970078	2012	11	25	18	V	0.1	4	2.73	256
180970078	2012	11	25	19	V	0.05	3.9	2.81	267
180970078	2012	11	25	20	V	0.07	4	2.18	278
180970078	2012	11	25	21	V	0.4	3.9	2.69	246
180970078	2012	11	25	22	V	0.4	3.7	2.62	251
180970078	2012	11	25	23	V	0.06	3.4	2.42	275
180970078	2012	11	25	24	V	0.1	3.2	2.03	239
180970078	2012	11	26	1	V	0.2	2.9	1.72	256
180970078	2012	11	26	2	V	0.05	2.7	2.69	332
180970078	2012	11	26	3	V	1.3	2.4	0.7	347
180970078	2012	11	26	4	V	0.4	2.3	1.26	269
180970078	2012	11	26	5	V	0.1	2.1	1.82	329
180970078	2012	11	26	6	V	0.3	2.1	1.35	355
180970078	2012	11	26	7	V	0.05	2	2.56	3
180970078	2012	11	26	8	V	0.6	1.9	2.35	13
180970078	2012	11	26	9	V	1.3	2.7	2.01	58
180970078	2012	11	26	10	V	0.7	4	2.28	36
180970078	2012	11	26	11	V	0.8	4.9	2.15	44
180970078	2012	11	26	12	V	1.5	5.1	1.53	82
180970078	2012	11	26	13	V	2.7	4.4	1.08	96
180970078	2012	11	26	14	V	0.4	4	2.06	4
180970078	2012	11	26	15	V	0.06	3.6	2.52	7
180970078	2012	11	26	16	V	0.08	3	2.16	332
180970078	2012	11	26	17	V	0.05	2.3	3.46	327
180970078	2012	11	26	18	V	0.05	2.6	4.9	341
180970078	2012	11	26	19	V	0.05	2.5	5.31	353
180970078	2012	11	26	20	V	0.05	2.2	5.67	350
180970078	2012	11	26	21	V	0.05	2.4	5.8	350
180970078	2012	11	26	22	V	0.05	2.2	6.84	348
180970078	2012	11	26	23	V	0.05	1.7	5.96	355
180970078	2012	11	26	24	V	0.04	1.6	6.14	4
180970078	2012	11	27	1	V	0.05	1.6	5.17	10
180970078	2012	11	27	2	V	0.05	1.6	5.46	10
180970078	2012	11	27	3	V	0.05	1.6	3.9	10
180970078	2012	11	27	4	V	0.04	1.6	3.76	2
180970078	2012	11	27	5	V	0.05	1.6	2.84	2
180970078	2012	11	27	6	V	0.1	1.5	1.98	346
180970078	2012	11	27	7	V	0.1	1.6	1.84	349
180970078	2012	11	27	8	V	0.9	1.8	1.81	352
180970078	2012	11	27	9	V	1.7	3.1	1.62	305
180970078	2012	11	27	10	V	1.5	2.4	1.59	312

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	27	11	V	0.5	2.4	2.45	359
180970078	2012	11	27	12	V	0.3	2.1	2.76	7
180970078	2012	11	27	13	V	0.6	1.9	1.93	4
180970078	2012	11	27	14	V	0.4	1.8	1.6	353
180970078	2012	11	27	15	V	0.1	1.8	1.74	330
180970078	2012	11	27	16	V	0.06	1.8	2.59	305
180970078	2012	11	27	17	V	0.08	1.8	2.22	309
180970078	2012	11	27	18	V	0.1	1.8	1.82	277
180970078	2012	11	27	19	V	0.4	2.3	1.35	285
180970078	2012	11	27	20	V	0.3	2.3	1.45	317
180970078	2012	11	27	21	V	1.3	3.5	0.89	243
180970078	2012	11	27	22	V	0.3	3.6	1.69	244
180970078	2012	11	27	23	V	0.2	4.8	1.76	238
180970078	2012	11	27	24	V	0.1	5.6	2.16	256
180970078	2012	11	28	1	V	0.1	5.4	2.42	242
180970078	2012	11	28	2	V	5.5	5.6	2.45	225
180970078	2012	11	28	3	V	4.1	4.3	3.03	225
180970078	2012	11	28	4	V	0.1	3.1	2.25	237
180970078	2012	11	28	5	V	0.06	2.3	2.74	239
180970078	2012	11	28	6	V	6.0	2.2	3.22	224
180970078	2012	11	28	7	V	0.1	2.2	3.25	236
180970078	2012	11	28	8	V	1.8	2.4	3.46	234
180970078	2012	11	28	9	V	0.6	2.7	3.73	241
180970078	2012	11	28	10	V	0.4	3.1	3.49	259
180970078	2012	11	28	11	V	0.4	3.4	2.83	271
180970078	2012	11	28	12	V	0.6	3.5	2.88	245
180970078	2012	11	28	13	V	0.3	3.3	3.05	248
180970078	2012	11	28	14	V	0.1	2.9	3.47	249
180970078	2012	11	28	15	V	0.05	2.4	4.39	263
180970078	2012	11	28	16	V	0.1	2.3	3.63	255
180970078	2012	11	28	17	V	0.4	2.3	3.52	250
180970078	2012	11	28	18	V	0.06	2.3	2.88	240
180970078	2012	11	28	19	V	0.2	3.1	2.22	234
180970078	2012	11	28	20	V	5.5	4.2	1.99	226
180970078	2012	11	28	21	V	41.4	5.3	2.35	215
180970078	2012	11	28	22	V	0.5	6.4	1.98	199
180970078	2012	11	28	23	V	1.9	6.6	1.42	232
180970078	2012	11	28	24	V	0.2	5.5	1.77	186
180970078	2012	11	29	1	V	0.1	4.6	1.89	194
180970078	2012	11	29	2	V	0.1	4.3	2.04	192
180970078	2012	11	29	3	V	0.07	3.6	2.39	171
180970078	2012	11	29	4	V	0.04	3.2	2.95	158
180970078	2012	11	29	5	V	0.04	3.1	3.85	184
180970078	2012	11	29	6	V	0.07	3	2.38	186
180970078	2012	11	29	7	V	0.1	3.9	1.79	151
180970078	2012	11	29	8	V	0.3	3.5	3.27	147

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	11	29	9	V	0.5	3.3	2.78	170
180970078	2012	11	29	10	V	1.0	6.3	3.18	188
180970078	2012	11	29	11	V	0.3	32.1	5.55	193
180970078	2012	11	29	12	V	0.05	8.8	6.43	193
180970078	2012	11	29	13	V	0.08	7.1	6.02	194
180970078	2012	11	29	14	V	0.1	7.1	4.92	195
180970078	2012	11	29	15	V	0.2	9	5.41	195
180970078	2012	11	29	16	V	0.04	7.6	5.29	182
180970078	2012	11	29	17	V	0.05	6.7	4.29	177
180970078	2012	11	29	18	V	0.05	5.9	4.03	165
180970078	2012	11	29	19	V	0.05	5.9	4.19	159
180970078	2012	11	29	20	V	0.05	6.8	5.02	157
180970078	2012	11	29	21	V	0.05	6	4.43	146
180970078	2012	11	29	22	V	0.05	-999	3.91	144
180970078	2012	11	29	23	V	0.05	-999	3.15	148
180970078	2012	11	29	24	V	0.05	4.1	3.39	170
180970078	2012	11	30	1	V	0.05	3.7	3.78	190
180970078	2012	11	30	2	V	0.05	3.7	3.69	190
180970078	2012	11	30	3	V	0.05	4.3	3.24	191
180970078	2012	11	30	4	V	2.3	4.1	3.27	203
180970078	2012	11	30	5	V	22.1	5.5	4.34	218
180970078	2012	11	30	6	V	1.9	9.1	4.76	228
180970078	2012	11	30	7	V	34.2	10.9	4.68	214
180970078	2012	11	30	8	V	16.2	14.3	4.12	206
180970078	2012	11	30	9	V	13.8	8.4	3.73	203
180970078	2012	11	30	10	V	7.2	9	5.02	203
180970078	2012	11	30	11	V	5.8	25.8	6.75	221
180970078	2012	11	30	12	V	0.5	13.5	7.64	230
180970078	2012	11	30	13	V	2.6	7.1	6.02	226
180970078	2012	11	30	14	V	3.7	9	5.44	225
180970078	2012	11	30	15	V	7.8	18.7	5.36	224
180970078	2012	11	30	16	V	0.2	35.8	5.07	198
180970078	2012	11	30	17	V	34.8	26	3.85	215
180970078	2012	11	30	18	V	0.04	15.3	3.42	195
180970078	2012	11	30	19	V	0.05	7.4	2.91	192
180970078	2012	11	30	20	V	0.05	6.2	2.84	187
180970078	2012	11	30	21	V	0.06	5	2.45	155
180970078	2012	11	30	22	V	0.04	4.3	3	142
180970078	2012	11	30	23	V	0.04	4.3	3.71	147
180970078	2012	11	30	24	V	0.04	4.4	3.17	157
180970078	2012	12	1	1	V	0.04	3.6	3.03	142
180970078	2012	12	1	2	V	0.07	3.1	2.42	127
180970078	2012	12	1	3	V	0.06	2.9	2.67	134
180970078	2012	12	1	4	V	0.05	2.4	2.96	122
180970078	2012	12	1	5	V	0.04	2.4	3.37	122
180970078	2012	12	1	6	V	0.04	2.5	3.64	159

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	1	7	V	0.09	2.4	1.88	141
180970078	2012	12	1	8	V	0.2	2.5	3.25	171
180970078	2012	12	1	9	V	0.2	3.4	3.35	163
180970078	2012	12	1	10	V	0.3	5	2.71	165
180970078	2012	12	1	11	V	0.2	6.1	3.35	165
180970078	2012	12	1	12	V	0.05	6.7	5.05	178
180970078	2012	12	1	13	V	0.03	6.3	6.09	184
180970078	2012	12	1	14	V	0.03	5.6	6.28	185
180970078	2012	12	1	15	V	0.08	4.9	6.65	193
180970078	2012	12	1	16	V	0.04	4.4	6.55	186
180970078	2012	12	1	17	V	0.04	4.2	6.02	186
180970078	2012	12	1	18	V	0.04	4	6.43	183
180970078	2012	12	1	19	V	0.04	4.2	6.58	170
180970078	2012	12	1	20	V	0.05	4.5	6.14	168
180970078	2012	12	1	21	V	0.05	3.6	5.94	167
180970078	2012	12	1	22	V	0.05	4.1	6.35	175
180970078	2012	12	1	23	V	0.04	3.8	6.69	182
180970078	2012	12	1	24	V	0.04	3.7	7.14	189
180970078	2012	12	2	1	V	0.03	3.9	7.08	188
180970078	2012	12	2	2	V	0.04	4.1	6.52	191
180970078	2012	12	2	3	V	0.04	4	5.87	193
180970078	2012	12	2	4	V	0.03	4.1	5.53	189
180970078	2012	12	2	5	V	0.05	3.2	6.11	194
180970078	2012	12	2	6	V	11.7	2.5	4.94	206
180970078	2012	12	2	7	V	1.5	2.3	6.07	200
180970078	2012	12	2	8	V	2.9	2.2	6.18	204
180970078	2012	12	2	9	V	14.5	3.3	5.87	210
180970078	2012	12	2	10	V	17.3	22.6	5.89	214
180970078	2012	12	2	11	V	5.5	34.4	6.29	222
180970078	2012	12	2	12	V	3.1	27	6.84	224
180970078	2012	12	2	13	V	4.8	8.9	6.11	223
180970078	2012	12	2	14	V	3.9	6.4	5.89	224
180970078	2012	12	2	15	V	4.1	5	4.82	227
180970078	2012	12	2	16	V	9.6	4.2	4.63	223
180970078	2012	12	2	17	V	2.5	7.6	3.56	203
180970078	2012	12	2	18	V	0.05	13.9	2.9	192
180970078	2012	12	2	19	V	0.05	8.1	3.78	182
180970078	2012	12	2	20	V	0.05	5.3	3.01	188
180970078	2012	12	2	21	V	0.3	4	1.35	193
180970078	2012	12	2	22	V	0.2	3.6	1.72	184
180970078	2012	12	2	23	V	0.2	3.3	1.48	180
180970078	2012	12	2	24	V	0.05	2.9	2.44	171
180970078	2012	12	3	1	V	0.04	2.6	2.81	172
180970078	2012	12	3	2	V	0.04	2.4	3.17	166
180970078	2012	12	3	3	V	0.04	2.2	3.56	186
180970078	2012	12	3	4	V	0.04	2.3	2.91	187

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	3	5	V	0.04	2.5	3.39	187
180970078	2012	12	3	6	V	0.04	2.5	2.96	179
180970078	2012	12	3	7	V	0.05	2.3	3.51	175
180970078	2012	12	3	8	V	0.07	2.2	4.14	177
180970078	2012	12	3	9	V	0.08	2.3	4.32	170
180970078	2012	12	3	10	V	0.05	2.4	5.21	171
180970078	2012	12	3	11	V	0.03	2.7	5.95	186
180970078	2012	12	3	12	V	0.06	3.2	7.15	194
180970078	2012	12	3	13	V	0.2	4.5	7.21	197
180970078	2012	12	3	14	V	0.5	3.9	7.72	200
180970078	2012	12	3	15	V	4.2	5	8.37	202
180970078	2012	12	3	16	V	0.2	4.4	8.54	196
180970078	2012	12	3	17	V	0.3	3.6	8.25	197
180970078	2012	12	3	18	V	0.04	3	7.4	190
180970078	2012	12	3	19	V	0.04	2.9	7.37	181
180970078	2012	12	3	20	V	0.04	2.8	7.42	185
180970078	2012	12	3	21	V	0.05	3	6.09	192
180970078	2012	12	3	22	V	0.2	2.9	5.5	196
180970078	2012	12	3	23	V	0.2	2.9	6.04	196
180970078	2012	12	3	24	V	0.04	3	6.35	193
180970078	2012	12	4	1	V	0.03	3	5.05	183
180970078	2012	12	4	2	V	0.03	3.3	5.29	187
180970078	2012	12	4	3	V	4.5	3.4	7.94	204
180970078	2012	12	4	4	V	1.0	3.3	7.5	200
180970078	2012	12	4	5	V	7.7	3	6.97	206
180970078	2012	12	4	6	V	9.9	2.7	6.89	207
180970078	2012	12	4	7	V	20.1	11.3	6.75	212
180970078	2012	12	4	8	V	5.2	24.7	6.57	221
180970078	2012	12	4	9	V	0.2	9.7	5.39	235
180970078	2012	12	4	10	V	0.08	4.4	4.7	275
180970078	2012	12	4	11	V	0.1	2.5	4.43	286
180970078	2012	12	4	12	V	0.04	2.1	5.62	347
180970078	2012	12	4	13	V	0.02	1.8	6.06	343
180970078	2012	12	4	14	V	0.02	1.8	5.55	359
180970078	2012	12	4	15	V	0.05	1.8	3.66	1
180970078	2012	12	4	16	V	0.04	2	3.95	347
180970078	2012	12	4	17	V	0.05	2.1	3.15	328
180970078	2012	12	4	18	V	0.05	2	2.44	291
180970078	2012	12	4	19	V	0.03	3	2.69	272
180970078	2012	12	4	20	V	0.04	3.2	2.44	259
180970078	2012	12	4	21	V	0.3	3.4	2.67	245
180970078	2012	12	4	22	V	0.04	3.1	3.29	239
180970078	2012	12	4	23	V	0.3	2.6	3.17	252
180970078	2012	12	4	24	V	0.03	2.4	3.03	268
180970078	2012	12	5	1	V	0.05	1.9	2.79	265
180970078	2012	12	5	2	V	0.03	1.6	3.4	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	5	3	V	0.03	1.7	3.42	305
180970078	2012	12	5	4	V	0.06	1.6	2.36	258
180970078	2012	12	5	5	V	0.1	1.6	2.86	254
180970078	2012	12	5	6	V	0.04	1.8	2.86	288
180970078	2012	12	5	7	V	0.04	2.3	3.86	344
180970078	2012	12	5	8	V	0.3	3.4	2.36	336
180970078	2012	12	5	9	V	0.4	2.1	2.62	358
180970078	2012	12	5	10	V	0.2	1.9	3.98	33
180970078	2012	12	5	11	V	0.2	2	4.12	26
180970078	2012	12	5	12	V	0.3	1.9	3.25	57
180970078	2012	12	5	13	V	0.6	2	1.82	59
180970078	2012	12	5	14	V	0.5	2	1.91	41
180970078	2012	12	5	15	V	0.06	2	2.35	19
180970078	2012	12	5	16	V	0.07	1.9	2.37	49
180970078	2012	12	5	17	V	0.04	1.8	3.42	31
180970078	2012	12	5	18	V	0.04	1.7	3.41	57
180970078	2012	12	5	19	V	0.04	1.7	3.17	83
180970078	2012	12	5	20	V	0.04	1.6	4.29	83
180970078	2012	12	5	21	V	0.04	1.5	4.87	83
180970078	2012	12	5	22	V	0.04	1.5	5.26	81
180970078	2012	12	5	23	V	0.04	1.5	4.49	85
180970078	2012	12	5	24	V	0.03	1.5	4.08	90
180970078	2012	12	6	1	V	0.03	1.6	4.24	94
180970078	2012	12	6	2	V	0.03	1.6	4.46	104
180970078	2012	12	6	3	V	0.03	1.6	4.1	113
180970078	2012	12	6	4	V	0.04	1.7	3.39	108
180970078	2012	12	6	5	V	0.05	1.7	2.67	110
180970078	2012	12	6	6	V	0.04	1.7	2.9	97
180970078	2012	12	6	7	V	0.04	2	2.98	99
180970078	2012	12	6	8	V	0.1	2.6	3.12	109
180970078	2012	12	6	9	V	0.2	3.3	3.75	114
180970078	2012	12	6	10	V	0.2	5.1	3.68	122
180970078	2012	12	6	11	V	0.2	7.6	3.95	130
180970078	2012	12	6	12	V	0.2	9.5	3.52	134
180970078	2012	12	6	13	V	0.2	8.8	3.69	128
180970078	2012	12	6	14	V	0.09	17.4	3.9	130
180970078	2012	12	6	15	V	0.05	8.6	3.66	143
180970078	2012	12	6	16	V	0.05	7.5	3.1	138
180970078	2012	12	6	17	V	0.05	6.4	2.59	131
180970078	2012	12	6	18	V	0.06	5.7	2.28	122
180970078	2012	12	6	19	V	0.05	5.5	3.13	126
180970078	2012	12	6	20	V	0.05	5.1	4.05	145
180970078	2012	12	6	21	V	0.05	4	3.35	157
180970078	2012	12	6	22	V	0.05	-999	2.83	184
180970078	2012	12	6	23	V	0.06	3.1	2.35	179
180970078	2012	12	6	24	V	0.05	3.2	2.54	181

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	7	1	V	0.05	3.2	2.79	192
180970078	2012	12	7	2	V	12.6	3.7	2.5	222
180970078	2012	12	7	3	V	31.8	5.4	2.38	216
180970078	2012	12	7	4	V	0.1	6.5	1.96	193
180970078	2012	12	7	5	V	5.3	6.9	1.82	226
180970078	2012	12	7	6	V	9.8	6.1	1.69	224
180970078	2012	12	7	7	V	0.1	6.1	1.84	194
180970078	2012	12	7	8	V	0.1	4.9	2.2	19
180970078	2012	12	7	9	V	0.3	4.4	2.89	189
180970078	2012	12	7	10	V	0.6	4.1	1.96	122
180970078	2012	12	7	11	V	0.3	4.2	2.71	96
180970078	2012	12	7	12	V	0.2	4.2	3.46	111
180970078	2012	12	7	13	V	0.2	4.1	3.73	105
180970078	2012	12	7	14	V	0.09	4	3.97	92
180970078	2012	12	7	15	V	0.05	3.4	3.42	109
180970078	2012	12	7	16	V	0.05	2.9	4.05	98
180970078	2012	12	7	17	V	0.04	2.8	4.85	107
180970078	2012	12	7	18	V	0.05	2.7	3.54	110
180970078	2012	12	7	19	V	0.1	2.5	1.76	101
180970078	2012	12	7	20	V	0.4	2.5	1.25	126
180970078	2012	12	7	21	V	11.1	2.5	2.18	223
180970078	2012	12	7	22	V	0.3	2.4	3.08	253
180970078	2012	12	7	23	V	0.2	2.5	3.47	242
180970078	2012	12	7	24	V	0.2	2.3	3	243
180970078	2012	12	8	1	V	0.2	2.1	4.49	243
180970078	2012	12	8	2	V	0.3	2.1	3.58	250
180970078	2012	12	8	3	V	0.5	2.1	1.5	251
180970078	2012	12	8	4	V	0.2	2.1	1.62	267
180970078	2012	12	8	5	V	0.3	2.1	1.4	274
180970078	2012	12	8	6	V	0.09	2.1	2.01	259
180970078	2012	12	8	7	V	4.1	2.1	2.59	226
180970078	2012	12	8	8	V	0.2	2.1	2.78	256
180970078	2012	12	8	9	V	0.2	2.1	3.32	278
180970078	2012	12	8	10	V	0.2	2.1	3.76	294
180970078	2012	12	8	11	V	0.1	2.3	4.49	295
180970078	2012	12	8	12	V	0.07	2.2	5.19	307
180970078	2012	12	8	13	V	0.1	2.4	4.34	320
180970078	2012	12	8	14	V	0.08	2.4	4.29	317
180970078	2012	12	8	15	V	0.05	2.6	3.73	321
180970078	2012	12	8	16	V	0.05	2.5	3.2	318
180970078	2012	12	8	17	V	0.05	2.4	3.83	341
180970078	2012	12	8	18	V	0.05	2.4	2.55	358
180970078	2012	12	8	19	V	0.06	2.3	2.45	15
180970078	2012	12	8	20	V	0.08	2.2	2.08	41
180970078	2012	12	8	21	V	0.05	2.1	2.78	5
180970078	2012	12	8	22	V	0.05	1.9	3.41	42

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	8	23	V	0.04	2.1	4.97	32
180970078	2012	12	8	24	V	0.04	2	5.56	43
180970078	2012	12	9	1	V	0.04	1.9	5.16	66
180970078	2012	12	9	2	V	0.04	1.9	5.7	71
180970078	2012	12	9	3	V	0.04	1.8	4.48	64
180970078	2012	12	9	4	V	0.04	1.8	4.65	81
180970078	2012	12	9	5	V	0.04	1.8	4.48	73
180970078	2012	12	9	6	V	0.04	1.9	5.17	76
180970078	2012	12	9	7	V	0.04	1.9	6.14	80
180970078	2012	12	9	8	V	0.05	2	5.56	92
180970078	2012	12	9	9	V	0.03	2.1	5.68	99
180970078	2012	12	9	10	V	0.07	2	4.53	74
180970078	2012	12	9	11	V	0.1	2	4.1	67
180970078	2012	12	9	12	V	0.1	2.1	4.24	99
180970078	2012	12	9	13	V	0.2	2.4	3.4	120
180970078	2012	12	9	14	V	0.09	2.6	3.98	135
180970078	2012	12	9	15	V	0.05	2.6	3.37	162
180970078	2012	12	9	16	V	0.05	2.5	2.79	183
180970078	2012	12	9	17	V	0.05	2.4	2.44	189
180970078	2012	12	9	18	V	0.06	2.5	2.27	160
180970078	2012	12	9	19	V	0.05	2.8	2.44	170
180970078	2012	12	9	20	V	15.0	2.9	2.13	207
180970078	2012	12	9	21	V	0.04	2.9	4.65	293
180970078	2012	12	9	22	V	0.04	2.1	4.56	291
180970078	2012	12	9	23	V	0.04	2	4.88	293
180970078	2012	12	9	24	V	0.04	2.1	5.39	298
180970078	2012	12	10	1	V	0.03	2	6.96	301
180970078	2012	12	10	2	V	0.03	2	6.07	298
180970078	2012	12	10	3	V	0.03	2	5.62	296
180970078	2012	12	10	4	V	0.03	2	5.46	286
180970078	2012	12	10	5	V	0.03	2	5.46	303
180970078	2012	12	10	6	V	0.04	2	3.78	281
180970078	2012	12	10	7	V	0.04	2	4.59	278
180970078	2012	12	10	8	V	0.05	2	6.23	291
180970078	2012	12	10	9	V	0.02	1.9	6.09	297
180970078	2012	12	10	10	V	0.02	1.8	6.65	289
180970078	2012	12	10	11	V	0.01	1.8	7.37	280
180970078	2012	12	10	12	V	0.02	1.8	6.57	296
180970078	2012	12	10	13	V	0.02	1.8	6.06	298
180970078	2012	12	10	14	V	0.01	1.8	6.72	287
180970078	2012	12	10	15	V	0.04	1.9	5.72	295
180970078	2012	12	10	16	V	0.04	1.8	5.97	281
180970078	2012	12	10	17	V	0.04	1.8	6.43	297
180970078	2012	12	10	18	V	0.04	1.7	5.65	291
180970078	2012	12	10	19	V	0.04	1.7	6.31	289
180970078	2012	12	10	20	V	0.04	1.7	6.97	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	10	21	V	0.04	1.7	5.62	291
180970078	2012	12	10	22	V	0.04	1.8	5.41	281
180970078	2012	12	10	23	V	0.04	1.7	4.56	285
180970078	2012	12	10	24	V	0.04	1.7	4.93	290
180970078	2012	12	11	1	V	0.04	1.7	5.28	272
180970078	2012	12	11	2	V	0.03	1.7	4.88	269
180970078	2012	12	11	3	V	0.03	1.7	4.95	267
180970078	2012	12	11	4	V	0.04	1.8	5.16	268
180970078	2012	12	11	5	V	0.05	1.8	4.87	262
180970078	2012	12	11	6	V	0.04	1.8	4.54	267
180970078	2012	12	11	7	V	0.2	1.8	4.97	252
180970078	2012	12	11	8	V	0.2	1.8	4.82	254
180970078	2012	12	11	9	V	0.06	1.9	4.78	264
180970078	2012	12	11	10	V	0.2	1.9	4.78	243
180970078	2012	12	11	11	V	0.4	2	3.01	249
180970078	2012	12	11	12	V	12.0	3	3.98	221
180970078	2012	12	11	13	V	0.4	6.1	4.99	234
180970078	2012	12	11	14	V	4.6	11.2	4.42	224
180970078	2012	12	11	15	V	13.6	24.5	4.25	221
180970078	2012	12	11	16	V	9.1	22	5.24	222
180970078	2012	12	11	17	V	6.1	19.9	5.04	224
180970078	2012	12	11	18	V	28.6	9.2	4.1	216
180970078	2012	12	11	19	V	0.5	5.1	3.47	230
180970078	2012	12	11	20	V	51.5	2.8	3.34	212
180970078	2012	12	11	21	V	1.0	4.8	3.61	203
180970078	2012	12	11	22	V	0.04	8.6	3.57	189
180970078	2012	12	11	23	V	4.2	12.9	3.66	205
180970078	2012	12	11	24	V	32.5	10.7	3.64	210
180970078	2012	12	12	1	V	27.2	12.2	2.88	217
180970078	2012	12	12	2	V	36.1	12.6	2.3	216
180970078	2012	12	12	3	V	0.8	12.3	2.86	203
180970078	2012	12	12	4	V	0.1	12	2.2	198
180970078	2012	12	12	5	V	52.0	9.3	1.25	212
180970078	2012	12	12	6	V	0.06	8.7	2.57	160
180970078	2012	12	12	7	V	0.06	6.3	2.62	152
180970078	2012	12	12	8	V	0.2	4.8	2.35	147
180970078	2012	12	12	9	V	0.7	5.1	2.01	143
180970078	2012	12	12	10	V	1.3	8	1.91	182
180970078	2012	12	12	11	V	24.3	6.8	1.59	204
180970078	2012	12	12	12	V	0.5	5.8	2.16	172
180970078	2012	12	12	13	V	0.1	5.9	3.78	166
180970078	2012	12	12	14	V	0.1	4.8	3.08	171
180970078	2012	12	12	15	V	0.05	5.2	2.84	179
180970078	2012	12	12	16	V	0.06	18.3	2.44	176
180970078	2012	12	12	17	V	0.04	10.3	3.12	174
180970078	2012	12	12	18	V	0.04	5.9	3.39	149

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	12	19	V	0.04	5.3	3.32	131
180970078	2012	12	12	20	V	0.04	4.7	3.66	142
180970078	2012	12	12	21	V	0.04	6.4	3.63	155
180970078	2012	12	12	22	V	0.04	6.9	3.17	156
180970078	2012	12	12	23	V	0.06	7.3	2.69	149
180970078	2012	12	12	24	V	0.04	6.3	3.17	142
180970078	2012	12	13	1	V	0.04	6.1	3.2	146
180970078	2012	12	13	2	V	0.05	4.1	2.45	147
180970078	2012	12	13	3	V	0.2	3.5	1.4	136
180970078	2012	12	13	4	V	0.2	3.4	1.62	193
180970078	2012	12	13	5	V	0.03	3.3	3.69	159
180970078	2012	12	13	6	V	0.03	3.3	3.23	165
180970078	2012	12	13	7	V	0.06	4	2.73	146
180970078	2012	12	13	8	V	0.1	4.7	3.75	153
180970078	2012	12	13	9	V	0.3	5.9	3.05	160
180970078	2012	12	13	10	V	0.3	7.7	3.25	172
180970078	2012	12	13	11	V	0.08	6.4	5.24	180
180970078	2012	12	13	12	V	0.2	5.4	4.27	185
180970078	2012	12	13	13	V	0.3	4.4	4.42	190
180970078	2012	12	13	14	V	0.1	3.8	4.77	187
180970078	2012	12	13	15	V	0.05	2.9	5.21	186
180970078	2012	12	13	16	V	0.04	2.8	4.95	173
180970078	2012	12	13	17	V	0.04	3.8	4.66	175
180970078	2012	12	13	18	V	0.04	3.9	3.76	168
180970078	2012	12	13	19	V	0.04	3.6	3.05	155
180970078	2012	12	13	20	V	0.04	3.7	3.47	147
180970078	2012	12	13	21	V	0.04	4	3.8	161
180970078	2012	12	13	22	V	0.04	-999	3.69	164
180970078	2012	12	13	23	V	0.04	3.8	3.61	174
180970078	2012	12	13	24	V	0.04	3.8	3.18	180
180970078	2012	12	14	1	V	0.03	3.4	4.25	181
180970078	2012	12	14	2	V	0.04	3.3	3.4	196
180970078	2012	12	14	3	V	0.1	2.8	1.94	320
180970078	2012	12	14	4	V	26.9	2.7	1.21	221
180970078	2012	12	14	5	V	0.05	3.8	2.96	192
180970078	2012	12	14	6	V	0.03	6.7	3.25	162
180970078	2012	12	14	7	V	0.04	5.2	3.39	159
180970078	2012	12	14	8	V	0.1	4.6	3.42	165
180970078	2012	12	14	9	V	0.4	14.4	2.95	175
180970078	2012	12	14	10	V	0.5	49.3	2.95	184
180970078	2012	12	14	11	V	36.0	50	3.68	216
180970078	2012	12	14	12	V	2.4	25.1	3.98	233
180970078	2012	12	14	13	V	15.0	32.8	3.59	203
180970078	2012	12	14	14	V	0.3	25.4	3.91	191
180970078	2012	12	14	15	V	3.8	43	3.25	203
180970078	2012	12	14	16	V	0.6	14	3.18	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	14	17	V	0.07	16.5	2.84	238
180970078	2012	12	14	18	V	14.6	6.2	1.79	222
180970078	2012	12	14	19	V	0.4	7.3	1.23	171
180970078	2012	12	14	20	V	0.05	9	2.62	132
180970078	2012	12	14	21	V	0.05	9.2	2.73	135
180970078	2012	12	14	22	V	0.05	7.2	2.95	128
180970078	2012	12	14	23	V	0.05	5.2	3.18	129
180970078	2012	12	14	24	V	0.05	5.6	3.8	143
180970078	2012	12	15	1	V	0.04	6.1	4.05	139
180970078	2012	12	15	2	V	0.04	5.4	4.12	144
180970078	2012	12	15	3	V	0.04	5	3.51	139
180970078	2012	12	15	4	V	0.03	5.8	3.69	133
180970078	2012	12	15	5	V	0.04	3.9	4.66	135
180970078	2012	12	15	6	V	0.04	3.6	4.49	143
180970078	2012	12	15	7	V	0.04	3.6	4.95	143
180970078	2012	12	15	8	V	0.03	3.8	5.63	138
180970078	2012	12	15	9	V	0.02	4.3	6.16	140
180970078	2012	12	15	10	V	0.08	4.2	4.56	149
180970078	2012	12	15	11	V	0.03	3.1	5.85	133
180970078	2012	12	15	12	V	0.01	2.8	8.67	147
180970078	2012	12	15	13	V	0.03	3	6.26	148
180970078	2012	12	15	14	V	0.02	3	6.72	148
180970078	2012	12	15	15	V	0.04	3.3	7.33	163
180970078	2012	12	15	16	V	0.04	3.5	7.79	168
180970078	2012	12	15	17	V	0.04	3	6.79	166
180970078	2012	12	15	18	V	0.04	3	6.26	173
180970078	2012	12	15	19	V	0.04	2.9	6.45	180
180970078	2012	12	15	20	V	0.05	2.4	4.49	189
180970078	2012	12	15	21	V	0.05	2.4	4.99	185
180970078	2012	12	15	22	V	1.4	2.7	6.55	200
180970078	2012	12	15	23	V	21.9	4.5	7.62	211
180970078	2012	12	15	24	V	6.1	20.4	7.94	205
180970078	2012	12	16	1	V	13.4	18.3	7.47	218
180970078	2012	12	16	2	V	7.9	26.2	6.84	222
180970078	2012	12	16	3	V	8.1	21.6	6.57	222
180970078	2012	12	16	4	V	6.6	13	7.08	223
180970078	2012	12	16	5	V	1.1	7.2	6.16	230
180970078	2012	12	16	6	V	6.3	4.4	5.29	224
180970078	2012	12	16	7	V	19.0	4.8	4.65	217
180970078	2012	12	16	8	V	18.1	8.8	4.29	210
180970078	2012	12	16	9	V	18.7	11.2	3.83	207
180970078	2012	12	16	10	V	14.0	18	3.64	204
180970078	2012	12	16	11	V	7.0	20.1	5.62	222
180970078	2012	12	16	12	V	2.3	10.4	6.58	226
180970078	2012	12	16	13	V	0.2	8.4	7.03	233
180970078	2012	12	16	14	V	0.3	6.1	6.33	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	16	15	V	3.5	4.8	5.92	227
180970078	2012	12	16	16	V	0.2	4	5.38	236
180970078	2012	12	16	17	V	0.2	3.4	4.37	243
180970078	2012	12	16	18	V	0.1	3.1	3.69	240
180970078	2012	12	16	19	V	0.5	3	3.2	247
180970078	2012	12	16	20	V	0.04	3.1	3.23	268
180970078	2012	12	16	21	V	0.05	2.8	3.01	302
180970078	2012	12	16	22	V	0.06	2.4	2.52	306
180970078	2012	12	16	23	V	0.05	2.2	2.66	345
180970078	2012	12	16	24	V	0.3	2.2	1.35	39
180970078	2012	12	17	1	V	1.4	2.5	0.75	357
180970078	2012	12	17	2	V	0.4	2.9	1.2	313
180970078	2012	12	17	3	V	0.8	2.4	0.91	264
180970078	2012	12	17	4	V	0.2	2	1.38	289
180970078	2012	12	17	5	V	0.2	2.1	1.52	274
180970078	2012	12	17	6	V	0.1	2.1	1.98	320
180970078	2012	12	17	7	V	0.05	2.1	2.42	346
180970078	2012	12	17	8	V	0.1	2.2	1.74	80
180970078	2012	12	17	9	V	0.3	2.2	2.81	82
180970078	2012	12	17	10	V	0.2	2.1	2.88	87
180970078	2012	12	17	11	V	0.4	2.3	1.79	105
180970078	2012	12	17	12	V	0.7	2.8	1.4	35
180970078	2012	12	17	13	V	0.1	3.4	2.64	353
180970078	2012	12	17	14	V	0.03	3.9	3.18	8
180970078	2012	12	17	15	V	0.06	5.4	2.47	20
180970078	2012	12	17	16	V	0.05	5.9	3.39	344
180970078	2012	12	17	17	V	0.05	4.1	3.47	332
180970078	2012	12	17	18	V	0.05	3.2	3.49	324
180970078	2012	12	17	19	V	0.05	2.8	2.81	349
180970078	2012	12	17	20	V	0.05	2.4	3.42	329
180970078	2012	12	17	21	V	0.05	2.4	4.26	319
180970078	2012	12	17	22	V	0.05	-999	4.02	328
180970078	2012	12	17	23	V	0.04	-999	4.48	319
180970078	2012	12	17	24	V	0.04	2.2	4.75	309
180970078	2012	12	18	1	V	0.04	2.2	4.63	307
180970078	2012	12	18	2	V	0.04	2.2	5.07	304
180970078	2012	12	18	3	V	0.04	2.2	5.43	309
180970078	2012	12	18	4	V	0.04	2.3	5.21	295
180970078	2012	12	18	5	V	0.04	2.3	4.8	289
180970078	2012	12	18	6	V	0.04	2.4	4.54	277
180970078	2012	12	18	7	V	0.05	2.6	4.26	266
180970078	2012	12	18	8	V	0.2	2.7	4.27	253
180970078	2012	12	18	9	V	0.3	2.7	3.74	250
180970078	2012	12	18	10	V	2.2	2.9	3.83	231
180970078	2012	12	18	11	V	7.1	-999	4.56	203
180970078	2012	12	18	12	V	0.8	10.3	5.67	199

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	18	13	V	0.2	-999	5.67	196
180970078	2012	12	18	14	V	0.02	4.2	6.24	185
180970078	2012	12	18	15	V	0.04	3.6	6.6	174
180970078	2012	12	18	16	V	0.04	3.4	6.81	154
180970078	2012	12	18	17	V	0.04	3.1	6.98	160
180970078	2012	12	18	18	V	0.04	2.7	5.94	171
180970078	2012	12	18	19	V	0.04	2.6	4.36	176
180970078	2012	12	18	20	V	0.04	2.5	3.56	171
180970078	2012	12	18	21	V	0.04	2.5	3.51	190
180970078	2012	12	18	22	V	0.04	2.7	3.66	191
180970078	2012	12	18	23	V	0.4	4.5	5.7	232
180970078	2012	12	18	24	V	0.05	4.8	7.79	259
180970078	2012	12	19	1	V	0.03	3.8	9.97	277
180970078	2012	12	19	2	V	0.04	2.9	6.58	262
180970078	2012	12	19	3	V	0.04	2.7	5.58	269
180970078	2012	12	19	4	V	0.03	2.5	5.79	284
180970078	2012	12	19	5	V	0.04	2.4	5.33	300
180970078	2012	12	19	6	V	0.04	2.4	4.73	297
180970078	2012	12	19	7	V	0.04	2.3	3.13	300
180970078	2012	12	19	8	V	0.06	2.2	3.34	306
180970078	2012	12	19	9	V	0.4	2.2	2.32	327
180970078	2012	12	19	10	V	0.9	2.4	1.79	26
180970078	2012	12	19	11	V	0.4	2.6	1.76	60
180970078	2012	12	19	12	V	0.5	2.9	1.45	124
180970078	2012	12	19	13	V	0.1	3.1	2.87	143
180970078	2012	12	19	14	V	0.03	3	3.12	136
180970078	2012	12	19	15	V	0.06	2.8	3.52	111
180970078	2012	12	19	16	V	0.05	2.6	4	111
180970078	2012	12	19	17	V	0.05	2.5	3.93	112
180970078	2012	12	19	18	V	0.05	2.4	4.27	95
180970078	2012	12	19	19	V	0.05	2.4	5	91
180970078	2012	12	19	20	V	0.05	2.4	5	94
180970078	2012	12	19	21	V	0.05	2.5	5.63	104
180970078	2012	12	19	22	V	0.04	2.7	6.45	102
180970078	2012	12	19	23	V	0.03	3	7.2	103
180970078	2012	12	19	24	V	0.03	2.9	7.35	115
180970078	2012	12	20	1	V	0.03	3.6	7.54	118
180970078	2012	12	20	2	V	0.03	4.8	7.91	123
180970078	2012	12	20	3	V	0.03	5.6	8.1	129
180970078	2012	12	20	4	V	0.03	4.8	7.52	126
180970078	2012	12	20	5	V	0.03	4	6.69	119
180970078	2012	12	20	6	V	0.03	4.7	5.07	135
180970078	2012	12	20	7	V	0.03	4.1	5.14	139
180970078	2012	12	20	8	V	0.05	3.2	4.83	141
180970078	2012	12	20	9	V	0.03	2.7	5.55	170
180970078	2012	12	20	10	V	0.02	2.7	6.36	148

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	20	11	V	0.01	2.6	10.58	135
180970078	2012	12	20	12	V	0.01	2.7	8.91	158
180970078	2012	12	20	13	V	0.01	2.7	8.83	160
180970078	2012	12	20	14	V	0.01	3.6	10.41	182
180970078	2012	12	20	15	V	20.9	3.5	11.36	213
180970078	2012	12	20	16	V	7.5	5.5	14.95	223
180970078	2012	12	20	17	V	12.7	3.8	14.39	220
180970078	2012	12	20	18	V	24.0	5.8	12.99	213
180970078	2012	12	20	19	V	13.9	6.5	12.47	220
180970078	2012	12	20	20	V	4.0	4.7	13.67	226
180970078	2012	12	20	21	V	0.1	3	15.49	236
180970078	2012	12	20	22	V	0.07	3	15.13	242
180970078	2012	12	20	23	V	0.1	2.6	13.72	248
180970078	2012	12	20	24	V	0.06	2.4	13.04	256
180970078	2012	12	21	1	V	0.04	2.3	12.14	260
180970078	2012	12	21	2	V	0.04	2.2	11.94	259
180970078	2012	12	21	3	V	0.04	2.1	12.43	259
180970078	2012	12	21	4	V	0.03	2	12.4	262
180970078	2012	12	21	5	V	0.02	2.1	12.41	268
180970078	2012	12	21	6	V	0.03	2	11.5	269
180970078	2012	12	21	7	V	0.03	2	11.32	273
180970078	2012	12	21	8	V	0.03	2.1	12.72	281
180970078	2012	12	21	9	V	0.01	2.1	12.96	283
180970078	2012	12	21	10	V	0.01	2	12.31	282
180970078	2012	12	21	11	V	0.01	1.9	11.68	280
180970078	2012	12	21	12	V	0.01	2	12.31	282
180970078	2012	12	21	13	V	0.01	2	11.41	282
180970078	2012	12	21	14	V	0.01	2	11.19	283
180970078	2012	12	21	15	V	0.03	1.9	9.12	282
180970078	2012	12	21	16	V	0.03	1.9	9.02	289
180970078	2012	12	21	17	V	0.03	1.9	9.51	294
180970078	2012	12	21	18	V	0.03	1.9	9.37	292
180970078	2012	12	21	19	V	0.04	1.8	8.11	295
180970078	2012	12	21	20	V	0.04	1.9	7.5	295
180970078	2012	12	21	21	V	0.03	1.8	8.23	287
180970078	2012	12	21	22	V	0.03	1.9	8.66	282
180970078	2012	12	21	23	V	0.03	1.9	7.76	281
180970078	2012	12	21	24	V	0.03	1.9	6.8	276
180970078	2012	12	22	1	V	0.03	1.9	6.75	274
180970078	2012	12	22	2	V	0.03	1.9	6.84	274
180970078	2012	12	22	3	V	0.03	2	5.97	282
180970078	2012	12	22	4	V	0.03	1.9	5.53	287
180970078	2012	12	22	5	V	0.03	1.9	3.27	279
180970078	2012	12	22	6	V	0.3	1.8	4.19	246
180970078	2012	12	22	7	V	0.03	1.8	3.64	259
180970078	2012	12	22	8	V	0.2	1.8	3.9	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	22	9	V	0.4	1.8	3.44	242
180970078	2012	12	22	10	V	0.6	2.4	3.37	242
180970078	2012	12	22	11	V	2.9	2.8	2.52	238
180970078	2012	12	22	12	V	1.1	3.4	3.22	240
180970078	2012	12	22	13	V	1.5	3	3.3	237
180970078	2012	12	22	14	V	0.5	2.8	3.44	241
180970078	2012	12	22	15	V	0.3	3.1	3.15	245
180970078	2012	12	22	16	V	0.04	12.2	3.18	239
180970078	2012	12	22	17	V	0.2	27.9	2.98	200
180970078	2012	12	22	18	V	0.04	7.7	3.4	187
180970078	2012	12	22	19	V	0.04	3.6	3.34	187
180970078	2012	12	22	20	V	0.04	3.4	3.15	153
180970078	2012	12	22	21	V	0.03	2.9	3.39	153
180970078	2012	12	22	22	V	0.05	2.8	2.84	154
180970078	2012	12	22	23	V	0.06	-999	2.62	110
180970078	2012	12	22	24	V	0.04	-999	3.05	147
180970078	2012	12	23	1	V	0.05	2.5	2.49	138
180970078	2012	12	23	2	V	0.04	2.9	2.84	145
180970078	2012	12	23	3	V	0.04	3.2	2.67	140
180970078	2012	12	23	4	V	0.03	3.1	3	142
180970078	2012	12	23	5	V	0.05	3.1	2.56	163
180970078	2012	12	23	6	V	0.08	3	1.99	178
180970078	2012	12	23	7	V	0.9	3.2	1.82	200
180970078	2012	12	23	8	V	2.9	3.8	1.98	231
180970078	2012	12	23	9	V	0.5	5.2	2.11	257
180970078	2012	12	23	10	V	2.9	8	1.04	286
180970078	2012	12	23	11	V	2.5	8.4	1.81	242
180970078	2012	12	23	12	V	3.0	6.8	1.3	253
180970078	2012	12	23	13	V	3.7	6	0.77	293
180970078	2012	12	23	14	V	17.2	5.6	0.69	207
180970078	2012	12	23	15	V	1.4	5.2	0.96	237
180970078	2012	12	23	16	V	1.4	5	0.67	188
180970078	2012	12	23	17	V	0.7	4.8	0.99	317
180970078	2012	12	23	18	V	0.06	4.1	2.11	331
180970078	2012	12	23	19	V	0.06	3.3	2.44	25
180970078	2012	12	23	20	V	0.05	2.9	3.95	23
180970078	2012	12	23	21	V	0.05	3	3.3	38
180970078	2012	12	23	22	V	0.05	3	4.15	42
180970078	2012	12	23	23	V	0.04	3	3.59	51
180970078	2012	12	23	24	V	0.05	3	2.61	54
180970078	2012	12	24	1	V	0.05	2.8	2.78	54
180970078	2012	12	24	2	V	0.05	2.9	3.13	57
180970078	2012	12	24	3	V	0.05	2.9	4.1	61
180970078	2012	12	24	4	V	0.05	2.9	3.66	71
180970078	2012	12	24	5	V	0.05	3.1	3.95	77
180970078	2012	12	24	6	V	0.05	3.3	3.32	83

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	24	7	V	0.05	3.6	2.95	101
180970078	2012	12	24	8	V	0.08	3.7	2.3	103
180970078	2012	12	24	9	V	0.7	3.8	1.69	78
180970078	2012	12	24	10	V	0.3	4.2	2.74	109
180970078	2012	12	24	11	V	0.5	4.4	2.44	175
180970078	2012	12	24	12	V	32.0	4.6	2.03	205
180970078	2012	12	24	13	V	0.6	5.1	2.5	250
180970078	2012	12	24	14	V	0.06	4.7	4.54	267
180970078	2012	12	24	15	V	0.05	4.4	6.07	295
180970078	2012	12	24	16	V	0.04	4.5	6.67	296
180970078	2012	12	24	17	V	0.04	3.4	6.55	299
180970078	2012	12	24	18	V	0.04	2.8	6.89	300
180970078	2012	12	24	19	V	0.05	3	5.29	310
180970078	2012	12	24	20	V	0.05	3.5	4.61	301
180970078	2012	12	24	21	V	0.05	3.6	4.78	307
180970078	2012	12	24	22	V	0.05	3.5	3.66	293
180970078	2012	12	24	23	V	0.05	3.4	4.29	279
180970078	2012	12	24	24	V	0.05	2.8	4.15	295
180970078	2012	12	25	1	V	0.05	2.5	3.46	301
180970078	2012	12	25	2	V	0.04	2.5	2.78	302
180970078	2012	12	25	3	V	0.04	2.5	3.22	312
180970078	2012	12	25	4	V	0.04	2.5	3.59	329
180970078	2012	12	25	5	V	0.05	2.6	3.81	330
180970078	2012	12	25	6	V	0.05	3.2	3.64	349
180970078	2012	12	25	7	V	0.05	3	4.54	8
180970078	2012	12	25	8	V	0.06	2.8	4.14	8
180970078	2012	12	25	9	V	0.06	2.8	4.82	16
180970078	2012	12	25	10	V	0.06	2.7	5.16	39
180970078	2012	12	25	11	V	0.09	2.9	3.95	42
180970078	2012	12	25	12	V	0.08	3	4.15	43
180970078	2012	12	25	13	V	0.05	3.1	4.56	32
180970078	2012	12	25	14	V	0.02	3.1	5.21	29
180970078	2012	12	25	15	V	0.05	3.3	5.17	47
180970078	2012	12	25	16	V	0.05	3	5.82	63
180970078	2012	12	25	17	V	0.04	2.6	6.09	59
180970078	2012	12	25	18	V	0.04	2.4	6.31	50
180970078	2012	12	25	19	V	0.04	2.4	6.99	55
180970078	2012	12	25	20	V	0.04	2.3	7.01	54
180970078	2012	12	25	21	V	0.04	2.4	7.72	57
180970078	2012	12	25	22	V	0.04	2.5	8.03	58
180970078	2012	12	25	23	V	0.04	2.4	7.94	56
180970078	2012	12	25	24	V	0.04	2.4	8.32	55
180970078	2012	12	26	1	V	0.03	2.6	8.85	53
180970078	2012	12	26	2	V	0.03	2.6	9.25	49
180970078	2012	12	26	3	V	0.03	2.5	10.32	52
180970078	2012	12	26	4	V	0.03	2.5	10.02	50

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	26	5	V	0.03	2.5	10.26	50
180970078	2012	12	26	6	V	0.03	2.5	10.95	44
180970078	2012	12	26	7	V	0.03	2.2	10.28	37
180970078	2012	12	26	8	V	0.04	2	10.66	30
180970078	2012	12	26	9	V	0.01	2	12.01	27
180970078	2012	12	26	10	V	0.01	2.1	12.11	21
180970078	2012	12	26	11	V	0.01	2.2	11.21	15
180970078	2012	12	26	12	V	0.01	2.2	11.67	14
180970078	2012	12	26	13	V	0.01	2.4	11.04	11
180970078	2012	12	26	14	V	0.01	2.4	10.09	8
180970078	2012	12	26	15	V	0.04	2.4	9.32	3
180970078	2012	12	26	16	V	0.04	2.5	9.51	350
180970078	2012	12	26	17	V	0.04	2.3	9.63	344
180970078	2012	12	26	18	V	0.04	2.1	9.81	349
180970078	2012	12	26	19	V	0.03	2.1	8.76	349
180970078	2012	12	26	20	V	0.02	2.1	8.18	341
180970078	2012	12	26	21	V	0.03	2.1	7.54	335
180970078	2012	12	26	22	V	0.02	2.1	7.04	328
180970078	2012	12	26	23	V	0.02	2	6.97	324
180970078	2012	12	26	24	V	0.02	2.1	6.94	323
180970078	2012	12	27	1	V	0.02	2.2	6.21	326
180970078	2012	12	27	2	V	0.03	2.2	4.99	329
180970078	2012	12	27	3	V	0.03	2.1	3.3	314
180970078	2012	12	27	4	V	0.03	2	3.3	306
180970078	2012	12	27	5	V	0.03	2.1	3.66	288
180970078	2012	12	27	6	V	0.03	2	4.41	323
180970078	2012	12	27	7	V	0.03	2	4.58	337
180970078	2012	12	27	8	V	0.05	2	3.75	332
180970078	2012	12	27	9	V	0.1	2.1	3.22	293
180970078	2012	12	27	10	V	0.2	2.4	3.12	325
180970078	2012	12	27	11	V	0.07	2.6	3.51	325
180970078	2012	12	27	12	V	0.08	2.8	3.29	301
180970078	2012	12	27	13	V	0.1	3.2	3.03	299
180970078	2012	12	27	14	V	0.2	3.1	2.06	285
180970078	2012	12	27	15	V	0.05	2.9	2.2	269
180970078	2012	12	27	16	V	0.06	2.5	2.13	317
180970078	2012	12	27	17	V	0.1	2.2	1.74	312
180970078	2012	12	27	18	V	0.04	2.1	2.32	317
180970078	2012	12	27	19	V	0.1	2.1	1.67	5
180970078	2012	12	27	20	V	0.1	2.1	1.64	32
180970078	2012	12	27	21	V	0.08	2.1	1.88	57
180970078	2012	12	27	22	V	0.03	2.1	2.86	107
180970078	2012	12	27	23	V	0.03	2	2.73	143
180970078	2012	12	27	24	V	0.03	2.1	2.47	132
180970078	2012	12	28	1	V	0.04	2	2.3	150
180970078	2012	12	28	2	V	0.05	2.1	2.11	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	28	3	V	0.1	2.1	1.71	126
180970078	2012	12	28	4	V	0.04	2	2.25	120
180970078	2012	12	28	5	V	0.03	1.9	3.1	102
180970078	2012	12	28	6	V	0.04	2	3.44	117
180970078	2012	12	28	7	V	0.04	2.1	2.64	131
180970078	2012	12	28	8	V	0.08	2.3	1.93	132
180970078	2012	12	28	9	V	0.4	2.6	1.89	160
180970078	2012	12	28	10	V	0.6	3.1	1.94	125
180970078	2012	12	28	11	V	0.2	3.5	2.81	112
180970078	2012	12	28	12	V	0.2	4	2.76	117
180970078	2012	12	28	13	V	0.05	6.2	4.1	130
180970078	2012	12	28	14	V	0.02	-999	3.93	125
180970078	2012	12	28	15	V	0.05	5.6	4.08	126
180970078	2012	12	28	16	V	0.05	4.7	4.19	137
180970078	2012	12	28	17	V	0.04	4.6	3.61	126
180970078	2012	12	28	18	V	0.04	5.6	3.12	105
180970078	2012	12	28	19	V	0.05	5.2	3.71	101
180970078	2012	12	28	20	V	0.05	5.1	3.22	104
180970078	2012	12	28	21	V	0.05	5.8	4.03	117
180970078	2012	12	28	22	V	0.05	4	2.72	115
180970078	2012	12	28	23	V	0.1	3.1	1.64	101
180970078	2012	12	28	24	V	0.1	3.1	1.82	33
180970078	2012	12	29	1	V	0.05	3.5	2.55	357
180970078	2012	12	29	2	V	0.04	3.9	3.01	353
180970078	2012	12	29	3	V	0.04	3.7	2.95	351
180970078	2012	12	29	4	V	0.04	4	3.61	339
180970078	2012	12	29	5	V	0.05	3.5	4	333
180970078	2012	12	29	6	V	0.04	3	4.28	327
180970078	2012	12	29	7	V	0.04	2.8	4.61	320
180970078	2012	12	29	8	V	0.05	3.2	5.5	321
180970078	2012	12	29	9	M	-999	3.8	5.68	316
180970078	2012	12	29	10	M	-999	4.7	5.12	307
180970078	2012	12	29	11	M	-999	6	4.97	292
180970078	2012	12	29	12	M	-999	6.1	4.31	288
180970078	2012	12	29	13	M	-999	4.9	6.47	285
180970078	2012	12	29	14	M	-999	4.1	9.24	292
180970078	2012	12	29	15	V	0.03	3.9	9.39	291
180970078	2012	12	29	16	V	0.03	3.6	8.62	288
180970078	2012	12	29	17	V	0.03	3.1	8.95	291
180970078	2012	12	29	18	V	0.03	2.9	8.22	291
180970078	2012	12	29	19	V	0.03	2.7	8.96	278
180970078	2012	12	29	20	V	0.04	2.7	5.96	270
180970078	2012	12	29	21	V	0.04	2.6	7.96	277
180970078	2012	12	29	22	V	0.03	2.5	8.46	291
180970078	2012	12	29	23	V	0.03	-999	9.06	298
180970078	2012	12	29	24	V	0.03	-999	6.96	288

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	30	1	V	0.04	2.2	5.36	287
180970078	2012	12	30	2	V	0.05	2.1	4.27	283
180970078	2012	12	30	3	V	0.04	2.1	5.85	274
180970078	2012	12	30	4	V	0.04	2.1	6.28	265
180970078	2012	12	30	5	V	0.04	2.2	4.88	268
180970078	2012	12	30	6	V	0.2	2.2	4.31	253
180970078	2012	12	30	7	V	0.07	2.1	4.78	239
180970078	2012	12	30	8	V	11.5	2	3.73	223
180970078	2012	12	30	9	V	32.7	2.9	2.86	208
180970078	2012	12	30	10	V	16.5	10.8	2.9	202
180970078	2012	12	30	11	V	31.0	32.3	2.84	207
180970078	2012	12	30	12	V	13.9	53.6	2.66	201
180970078	2012	12	30	13	V	31.1	52.2	3.3	211
180970078	2012	12	30	14	V	0.3	45.2	4.15	233
180970078	2012	12	30	15	V	0.07	31.9	2.95	196
180970078	2012	12	30	16	V	0.2	36.1	4.05	244
180970078	2012	12	30	17	V	18.5	22	3.83	219
180970078	2012	12	30	18	V	1.0	13.9	4.83	200
180970078	2012	12	30	19	V	32.6	28.8	4.97	212
180970078	2012	12	30	20	V	0.05	33.1	4.41	193
180970078	2012	12	30	21	V	0.05	9.6	4.54	191
180970078	2012	12	30	22	V	0.1	6.2	4.76	197
180970078	2012	12	30	23	V	0.05	5.3	4.68	187
180970078	2012	12	30	24	V	0.04	5.1	5.8	191
180970078	2012	12	31	1	V	0.04	5.6	4.71	190
180970078	2012	12	31	2	V	0.04	7	5.79	192
180970078	2012	12	31	3	V	0.1	6.3	5.6	196
180970078	2012	12	31	4	V	24.9	5.9	5.27	210
180970078	2012	12	31	5	V	15.7	20.7	5.12	208
180970078	2012	12	31	6	V	4.4	44	6.33	203
180970078	2012	12	31	7	V	8.8	39.8	5.77	205
180970078	2012	12	31	8	V	13.7	60.3	5.34	221
180970078	2012	12	31	9	V	1.1	26.5	6.72	228
180970078	2012	12	31	10	V	2.2	9.6	7.08	225
180970078	2012	12	31	11	V	1.8	7.8	6.96	226
180970078	2012	12	31	12	V	7.2	12.7	5.65	222
180970078	2012	12	31	13	V	3.8	21.5	6.11	224
180970078	2012	12	31	14	V	0.2	10.3	6.5	233
180970078	2012	12	31	15	V	5.2	3.7	4.53	226
180970078	2012	12	31	16	V	15.4	5.6	3.69	207
180970078	2012	12	31	17	V	29.9	8.4	4.66	215
180970078	2012	12	31	18	V	29.2	11.3	3.95	210
180970078	2012	12	31	19	V	0.2	10.9	4.23	197
180970078	2012	12	31	20	V	9.0	10.5	4.86	223
180970078	2012	12	31	21	V	2.6	5.9	4.36	228
180970078	2012	12	31	22	V	0.1	4.4	3.86	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2012	12	31	23	V	0.1	4.1	3.36	241
180970078	2012	12	31	24	V	0.1	3.8	1.76	238
180970078	2013	1	1	1	V	0.07	3.5	2.36	281
180970078	2013	1	1	2	V	0.07	3.4	2.36	288
180970078	2013	1	1	3	V	0.05	3	4.36	314
180970078	2013	1	1	4	V	0.05	2.5	4.36	343
180970078	2013	1	1	5	V	0.05	2.3	4.36	343
180970078	2013	1	1	6	V	0.05	2.4	3.36	332
180970078	2013	1	1	7	V	0.05	2.5	3.8	335
180970078	2013	1	1	8	V	0.07	2.5	3.47	332
180970078	2013	1	1	9	V	0.05	2.5	4.54	345
180970078	2013	1	1	10	V	0.08	2.8	3.61	355
180970078	2013	1	1	11	V	0.2	3.1	3.29	351
180970078	2013	1	1	12	V	0.1	3.3	3.27	2
180970078	2013	1	1	13	V	0.05	3.4	4.17	9
180970078	2013	1	1	14	V	0.1	3.3	3.18	320
180970078	2013	1	1	15	V	0.06	3.1	4.17	324
180970078	2013	1	1	16	V	0.04	3.3	3.66	323
180970078	2013	1	1	17	V	0.05	3	3.57	313
180970078	2013	1	1	18	V	0.05	2.5	3.37	313
180970078	2013	1	1	19	V	0.05	2.2	3.42	316
180970078	2013	1	1	20	V	0.05	2.1	3.49	306
180970078	2013	1	1	21	V	0.05	2.6	4.44	312
180970078	2013	1	1	22	V	0.04	2.8	4.24	316
180970078	2013	1	1	23	V	0.06	2.4	2.67	295
180970078	2013	1	1	24	V	0.05	2.2	2.76	299
180970078	2013	1	2	1	V	0.07	2.2	2.37	268
180970078	2013	1	2	2	V	0.09	2.2	2.18	260
180970078	2013	1	2	3	V	0.07	2.1	2.4	266
180970078	2013	1	2	4	V	0.08	2.3	2.45	285
180970078	2013	1	2	5	V	0.08	2.5	2.4	275
180970078	2013	1	2	6	V	0.08	2.9	2.42	311
180970078	2013	1	2	7	V	0.2	3.3	1.76	295
180970078	2013	1	2	8	V	0.4	3.5	2.15	258
180970078	2013	1	2	9	V	0.6	3.8	2.42	267
180970078	2013	1	2	10	V	4.7	4.8	1.43	243
180970078	2013	1	2	11	V	36.9	5	1.54	222
180970078	2013	1	2	12	V	19.2	3.6	1.18	230
180970078	2013	1	2	13	V	41.4	2.9	1.43	218
180970078	2013	1	2	14	V	21.8	3	1.26	198
180970078	2013	1	2	15	V	0.1	2.6	1.84	193
180970078	2013	1	2	16	V	34.4	5.9	1.89	218
180970078	2013	1	2	17	V	0.1	37.3	2.23	259
180970078	2013	1	2	18	V	0.2	15.3	1.89	279
180970078	2013	1	2	19	V	3.9	3.7	0.87	234
180970078	2013	1	2	20	V	0.05	4.2	2.86	167

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	2	21	V	0.06	5.5	2.81	164
180970078	2013	1	2	22	V	0.06	6	2.83	158
180970078	2013	1	2	23	V	0.1	-999	2.18	171
180970078	2013	1	2	24	V	0.07	-999	2.49	186
180970078	2013	1	3	1	V	1.2	-999	2.16	201
180970078	2013	1	3	2	V	0.1	3.7	2.13	194
180970078	2013	1	3	3	V	35.6	7.1	2.64	210
180970078	2013	1	3	4	V	0.5	12	2.66	231
180970078	2013	1	3	5	V	0.5	10.7	3.8	230
180970078	2013	1	3	6	V	7.5	17.1	3.64	223
180970078	2013	1	3	7	V	4.3	19	2.95	225
180970078	2013	1	3	8	V	5.4	13.6	3.78	226
180970078	2013	1	3	9	V	12.8	17.3	3.85	224
180970078	2013	1	3	10	V	0.5	15.7	4.93	235
180970078	2013	1	3	11	V	0.1	9.5	5.04	239
180970078	2013	1	3	12	V	0.09	7.2	5.16	245
180970078	2013	1	3	13	V	0.2	6.6	4.56	250
180970078	2013	1	3	14	V	0.07	4.8	5.12	243
180970078	2013	1	3	15	V	0.2	4	5.96	247
180970078	2013	1	3	16	V	0.2	3.5	5.89	248
180970078	2013	1	3	17	V	0.2	3.5	5.67	247
180970078	2013	1	3	18	V	0.2	4.7	5.12	246
180970078	2013	1	3	19	V	0.3	4.5	4.9	250
180970078	2013	1	3	20	V	0.3	3.1	5.1	249
180970078	2013	1	3	21	V	0.2	2.3	4.54	236
180970078	2013	1	3	22	V	0.2	2	4.31	236
180970078	2013	1	3	23	V	0.2	2.5	4.46	253
180970078	2013	1	3	24	V	0.03	2	6.01	280
180970078	2013	1	4	1	V	0.02	1.5	8.91	268
180970078	2013	1	4	2	V	0.02	1.2	6.92	263
180970078	2013	1	4	3	V	0.3	1.4	4.87	250
180970078	2013	1	4	4	V	0.05	1	4.2	239
180970078	2013	1	4	5	V	0.2	1	4.02	244
180970078	2013	1	4	6	V	0.3	1	4.54	250
180970078	2013	1	4	7	V	0.3	1.1	4.29	249
180970078	2013	1	4	8	V	0.1	1.1	4.22	241
180970078	2013	1	4	9	V	0.3	1.2	4.1	246
180970078	2013	1	4	10	V	0.1	2.6	5.46	249
180970078	2013	1	4	11	V	0.05	2.7	6.8	255
180970078	2013	1	4	12	V	0.06	2.7	7.06	248
180970078	2013	1	4	13	V	0.03	3.7	8.13	253
180970078	2013	1	4	14	V	0.04	2.9	7.52	245
180970078	2013	1	4	15	V	0.1	1.9	7.16	240
180970078	2013	1	4	16	V	0.2	4.3	6.4	234
180970078	2013	1	4	17	V	0.5	4.3	6.8	231
180970078	2013	1	4	18	V	0.8	1.6	6.48	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	4	19	V	1.1	1	5.84	229
180970078	2013	1	4	20	V	17.0	4.4	5.43	219
180970078	2013	1	4	21	V	6.8	12.8	5.63	223
180970078	2013	1	4	22	V	1.7	17.2	5.04	228
180970078	2013	1	4	23	V	0.1	6.4	4.32	235
180970078	2013	1	4	24	V	0.1	2.5	3.41	234
180970078	2013	1	5	1	V	0.7	5.2	3.08	229
180970078	2013	1	5	2	V	2.9	5.5	4.2	226
180970078	2013	1	5	3	V	2.5	5.7	3.71	226
180970078	2013	1	5	4	V	18.8	10.8	1.82	206
180970078	2013	1	5	5	V	0.1	6.3	2.16	180
180970078	2013	1	5	6	V	0.09	6	2.13	174
180970078	2013	1	5	7	V	0.07	5.8	2.56	165
180970078	2013	1	5	8	V	0.1	4.3	2.72	175
180970078	2013	1	5	9	V	0.6	4.3	2.28	170
180970078	2013	1	5	10	V	0.7	8.2	2.33	176
180970078	2013	1	5	11	V	0.2	13.6	3.35	180
180970078	2013	1	5	12	V	4.0	10.6	4.03	199
180970078	2013	1	5	13	V	14.8	38.3	3.15	202
180970078	2013	1	5	14	V	29.2	42.6	4.2	210
180970078	2013	1	5	15	V	0.2	42.7	4.43	196
180970078	2013	1	5	16	V	3.2	12.2	4.65	202
180970078	2013	1	5	17	V	30.3	18.6	6.28	215
180970078	2013	1	5	18	V	24.7	14.4	3.88	218
180970078	2013	1	5	19	V	0.1	18.4	3.57	197
180970078	2013	1	5	20	V	0.05	14.4	4.07	189
180970078	2013	1	5	21	V	0.05	7.5	3.8	193
180970078	2013	1	5	22	V	2.9	9.3	4.27	202
180970078	2013	1	5	23	V	0.1	-999	4.87	196
180970078	2013	1	5	24	V	2.1	-999	5.17	201
180970078	2013	1	6	1	V	13.1	33.6	5.26	206
180970078	2013	1	6	2	V	34.5	49.8	4.78	211
180970078	2013	1	6	3	V	33.9	53.9	4.87	214
180970078	2013	1	6	4	V	6.5	47.3	5.65	224
180970078	2013	1	6	5	V	15.6	41.2	5.33	220
180970078	2013	1	6	6	V	19.1	32.6	4.73	219
180970078	2013	1	6	7	V	15.4	28.2	4.87	220
180970078	2013	1	6	8	V	24.0	33.3	5.05	218
180970078	2013	1	6	9	V	0.2	18.9	5.51	231
180970078	2013	1	6	10	V	0.09	6.6	5.26	234
180970078	2013	1	6	11	V	0.01	4	10.19	272
180970078	2013	1	6	12	V	0.01	2.3	9.39	275
180970078	2013	1	6	13	V	0.01	1.8	8.88	279
180970078	2013	1	6	14	V	0.01	1.5	8.01	280
180970078	2013	1	6	15	V	0.04	1.5	7.89	290
180970078	2013	1	6	16	V	0.04	1.2	7.13	298

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	6	17	V	0.04	0.8	6.07	313
180970078	2013	1	6	18	V	0.05	0.8	3.64	316
180970078	2013	1	6	19	V	0.05	0.8	5.07	285
180970078	2013	1	6	20	V	0.05	0.8	4	278
180970078	2013	1	6	21	V	0.05	0.8	4.25	281
180970078	2013	1	6	22	V	0.05	0.6	4.61	298
180970078	2013	1	6	23	V	0.05	0.5	3.69	292
180970078	2013	1	6	24	V	0.04	0.5	3.34	306
180970078	2013	1	7	1	V	0.05	0.4	2.71	302
180970078	2013	1	7	2	V	0.06	0.4	2.52	272
180970078	2013	1	7	3	V	0.2	0.5	3.22	253
180970078	2013	1	7	4	V	0.3	0.4	2.35	252
180970078	2013	1	7	5	V	0.08	0.5	2.39	237
180970078	2013	1	7	6	V	0.5	0.7	2.78	249
180970078	2013	1	7	7	V	5.6	1.5	2.5	225
180970078	2013	1	7	8	V	13.8	3	2.33	204
180970078	2013	1	7	9	V	0.5	2.9	2.38	151
180970078	2013	1	7	10	V	0.5	2.1	2.81	149
180970078	2013	1	7	11	V	0.4	4.6	3.12	171
180970078	2013	1	7	12	V	10.2	2.7	3.3	201
180970078	2013	1	7	13	V	0.04	3.2	5.51	188
180970078	2013	1	7	14	V	0.02	2.9	6.41	190
180970078	2013	1	7	15	V	0.04	2.4	6.53	177
180970078	2013	1	7	16	V	0.03	3	5.75	169
180970078	2013	1	7	17	V	0.03	3.3	4.63	171
180970078	2013	1	7	18	V	0.03	2	3.64	135
180970078	2013	1	7	19	V	0.04	1.2	3.27	143
180970078	2013	1	7	20	V	0.04	1.1	4.49	150
180970078	2013	1	7	21	V	0.04	1.4	3.54	149
180970078	2013	1	7	22	V	0.04	1.4	3.56	149
180970078	2013	1	7	23	V	0.4	1.5	2.28	200
180970078	2013	1	7	24	V	0.1	1.3	1.98	166
180970078	2013	1	8	1	V	0.04	1.5	3.01	154
180970078	2013	1	8	2	V	0.03	1.6	3.18	180
180970078	2013	1	8	3	V	0.03	2.1	3.63	180
180970078	2013	1	8	4	V	0.09	2.4	1.77	158
180970078	2013	1	8	5	V	0.03	2.5	3.07	159
180970078	2013	1	8	6	V	0.03	2.5	3.42	165
180970078	2013	1	8	7	V	0.04	2.4	3.08	165
180970078	2013	1	8	8	V	1.3	2.4	1.18	153
180970078	2013	1	8	9	V	0.9	3.2	1.74	120
180970078	2013	1	8	10	V	0.6	4.8	2.37	115
180970078	2013	1	8	11	V	0.4	4.9	2.93	131
180970078	2013	1	8	12	V	0.2	5.3	3.5	159
180970078	2013	1	8	13	V	0.3	7.8	3.27	151
180970078	2013	1	8	14	V	0.3	9	2.96	164

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	8	15	V	0.07	6.9	3.07	157
180970078	2013	1	8	16	V	0.04	4.6	3.18	169
180970078	2013	1	8	17	V	0.03	3.6	3.39	162
180970078	2013	1	8	18	V	0.03	3.2	3.63	160
180970078	2013	1	8	19	V	0.04	2.5	3.75	151
180970078	2013	1	8	20	V	0.04	2.4	3.92	151
180970078	2013	1	8	21	V	0.05	2.6	2.84	157
180970078	2013	1	8	22	V	0.03	2.7	3.42	143
180970078	2013	1	8	23	V	0.04	2.5	2.89	148
180970078	2013	1	8	24	V	0.04	2.1	3.34	158
180970078	2013	1	9	1	V	0.04	2.4	4.36	163
180970078	2013	1	9	2	V	0.04	2.7	4.41	161
180970078	2013	1	9	3	V	0.04	2.9	3.35	187
180970078	2013	1	9	4	V	24.8	3	4.34	211
180970078	2013	1	9	5	V	4.9	9.6	5.75	225
180970078	2013	1	9	6	V	0.1	18.2	7.11	236
180970078	2013	1	9	7	V	1.6	3.5	6.38	229
180970078	2013	1	9	8	V	0.6	2.2	6.43	233
180970078	2013	1	9	9	V	0.08	1.4	5.92	237
180970078	2013	1	9	10	V	0.1	1.6	4.82	243
180970078	2013	1	9	11	V	0.2	3.1	4.75	244
180970078	2013	1	9	12	V	0.09	4.4	5.68	246
180970078	2013	1	9	13	V	0.1	4.4	5.34	247
180970078	2013	1	9	14	V	0.03	4.1	5.97	242
180970078	2013	1	9	15	V	0.2	3.5	5.41	248
180970078	2013	1	9	16	V	0.04	2.7	4.56	264
180970078	2013	1	9	17	V	0.04	2.1	3.9	271
180970078	2013	1	9	18	V	0.04	1.7	3.42	278
180970078	2013	1	9	19	V	0.1	1.6	2.95	255
180970078	2013	1	9	20	V	0.3	1.4	3.2	252
180970078	2013	1	9	21	V	0.09	1.7	2.45	237
180970078	2013	1	9	22	V	0.08	1.2	2.49	239
180970078	2013	1	9	23	V	0.4	1	2.3	251
180970078	2013	1	9	24	V	0.2	2.1	1.59	266
180970078	2013	1	10	1	V	0.3	2.6	1.33	340
180970078	2013	1	10	2	V	0.1	3.4	1.86	101
180970078	2013	1	10	3	V	0.1	3.8	1.96	133
180970078	2013	1	10	4	V	0.2	4.3	1.43	124
180970078	2013	1	10	5	V	0.1	3.8	1.79	80
180970078	2013	1	10	6	V	0.05	3.5	2.4	53
180970078	2013	1	10	7	V	0.09	3.5	2.06	64
180970078	2013	1	10	8	V	0.08	2.1	3.15	66
180970078	2013	1	10	9	V	0.1	1.5	3.95	85
180970078	2013	1	10	10	V	0.1	1.9	3.76	83
180970078	2013	1	10	11	V	0.1	2.1	4.09	88
180970078	2013	1	10	12	V	0.08	2	4.73	90

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	10	13	V	0.04	2	5.67	105
180970078	2013	1	10	14	V	0.03	2.2	6.3	101
180970078	2013	1	10	15	V	0.05	2.1	6.99	107
180970078	2013	1	10	16	V	0.04	2.6	7.06	116
180970078	2013	1	10	17	V	0.05	1.7	5.72	107
180970078	2013	1	10	18	V	0.05	1	6.41	109
180970078	2013	1	10	19	V	0.05	1.3	6.21	112
180970078	2013	1	10	20	V	0.05	1.5	6.33	115
180970078	2013	1	10	21	V	0.05	1.3	6.57	119
180970078	2013	1	10	22	V	0.04	1.6	6.46	125
180970078	2013	1	10	23	V	0.04	2.2	5.14	133
180970078	2013	1	10	24	V	0.04	2.7	5.11	126
180970078	2013	1	11	1	V	0.04	3.2	5.7	137
180970078	2013	1	11	2	V	0.03	3.5	6.75	132
180970078	2013	1	11	3	V	0.03	3.1	6.18	138
180970078	2013	1	11	4	V	0.04	2.2	5.21	148
180970078	2013	1	11	5	V	2.1	1.9	3.98	202
180970078	2013	1	11	6	V	0.04	2.2	5.33	132
180970078	2013	1	11	7	V	0.04	1.6	5.56	139
180970078	2013	1	11	8	V	0.04	1.4	5.36	170
180970078	2013	1	11	9	V	0.03	1.2	6.36	189
180970078	2013	1	11	10	V	14.9	11.6	6.75	210
180970078	2013	1	11	11	V	4.0	21.2	6.41	224
180970078	2013	1	11	12	V	2.7	7.6	6.94	225
180970078	2013	1	11	13	V	1.4	7.2	8.2	226
180970078	2013	1	11	14	V	0.9	5.5	8.62	227
180970078	2013	1	11	15	V	16.0	7.1	7.6	220
180970078	2013	1	11	16	V	12.9	13.1	7.33	220
180970078	2013	1	11	17	V	10.7	17	5.96	205
180970078	2013	1	11	18	V	0.05	5.6	4.22	187
180970078	2013	1	11	19	V	0.05	2.6	3.86	180
180970078	2013	1	11	20	V	0.05	2.4	4.37	178
180970078	2013	1	11	21	V	0.05	2	4.31	179
180970078	2013	1	11	22	V	0.04	2.3	4.78	186
180970078	2013	1	11	23	V	0.05	2.4	5.26	191
180970078	2013	1	11	24	V	0.04	2.1	5.12	191
180970078	2013	1	12	1	V	0.03	1.8	4.43	182
180970078	2013	1	12	2	V	0.03	1.6	3.91	174
180970078	2013	1	12	3	V	0.04	1.4	3.49	181
180970078	2013	1	12	4	V	0.04	1.2	3.39	183
180970078	2013	1	12	5	V	0.03	0.9	3.4	184
180970078	2013	1	12	6	V	6.5	0.9	4.22	205
180970078	2013	1	12	7	V	18.7	0.8	4.05	209
180970078	2013	1	12	8	V	4.3	0.7	3.42	201
180970078	2013	1	12	9	V	0.2	0.9	3.51	183
180970078	2013	1	12	10	V	1.0	1.1	3.24	191

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	12	11	V	7.0	4.6	4.68	202
180970078	2013	1	12	12	V	0.5	31.5	5.94	232
180970078	2013	1	12	13	V	0.1	10.6	5.16	238
180970078	2013	1	12	14	V	3.9	5.9	2.81	231
180970078	2013	1	12	15	V	3.6	12.1	1.96	201
180970078	2013	1	12	16	V	0.05	7.5	3.3	155
180970078	2013	1	12	17	V	0.06	3.1	3.3	133
180970078	2013	1	12	18	V	0.06	2.3	3.35	129
180970078	2013	1	12	19	V	0.06	1.7	3.12	99
180970078	2013	1	12	20	V	0.04	1.3	3.22	359
180970078	2013	1	12	21	V	0.04	1.1	3.91	48
180970078	2013	1	12	22	V	0.04	1	4.02	66
180970078	2013	1	12	23	V	0.04	-999	3.61	83
180970078	2013	1	12	24	V	0.04	-999	2.71	358
180970078	2013	1	13	1	V	0.03	1	3.34	30
180970078	2013	1	13	2	V	0.02	0.9	10.09	323
180970078	2013	1	13	3	V	0.02	0.5	5.73	340
180970078	2013	1	13	4	V	0.02	0.5	4.97	323
180970078	2013	1	13	5	V	0.03	0.5	4.83	314
180970078	2013	1	13	6	V	0.03	0.4	4.12	328
180970078	2013	1	13	7	V	0.04	0.4	3.24	340
180970078	2013	1	13	8	V	0.05	0.4	4.1	332
180970078	2013	1	13	9	V	0.06	0.4	3.85	339
180970078	2013	1	13	10	V	0.08	0.3	3.8	321
180970078	2013	1	13	11	V	0.09	0.4	3.54	334
180970078	2013	1	13	12	V	0.05	0.3	4.87	314
180970078	2013	1	13	13	V	0.05	0.4	4.41	345
180970078	2013	1	13	14	V	0.02	0.4	5.12	328
180970078	2013	1	13	15	V	0.04	0.4	7.71	301
180970078	2013	1	13	16	V	0.04	0.4	6.38	322
180970078	2013	1	13	17	V	0.04	0.3	6.28	324
180970078	2013	1	13	18	V	0.04	0.3	5.58	305
180970078	2013	1	13	19	V	0.04	0.4	6.58	300
180970078	2013	1	13	20	V	0.04	0.3	8.22	298
180970078	2013	1	13	21	V	0.04	0.2	7.84	297
180970078	2013	1	13	22	V	0.03	0.3	7.91	300
180970078	2013	1	13	23	V	0.03	0.3	6.69	297
180970078	2013	1	13	24	V	0.04	0.3	6.06	302
180970078	2013	1	14	1	V	0.04	0.2	6.35	304
180970078	2013	1	14	2	V	0.04	0.1	6.45	291
180970078	2013	1	14	3	V	0.04	0.1	5.94	283
180970078	2013	1	14	4	V	0.04	0.2	5.21	302
180970078	2013	1	14	5	V	0.04	0.1	4.43	311
180970078	2013	1	14	6	V	0.03	0.1	4.66	302
180970078	2013	1	14	7	V	0.04	0.1	4.51	309
180970078	2013	1	14	8	V	0.1	0.1	3.52	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	14	9	V	0.2	0.1	3.71	310
180970078	2013	1	14	10	V	0.2	0.2	3.58	337
180970078	2013	1	14	11	V	0.6	0.7	2.44	357
180970078	2013	1	14	12	V	0.7	0.6	1.89	33
180970078	2013	1	14	13	V	0.6	0.2	1.76	317
180970078	2013	1	14	14	V	0.2	0.2	2.78	313
180970078	2013	1	14	15	V	0.06	0.1	3.81	324
180970078	2013	1	14	16	V	0.05	0.2	3.63	327
180970078	2013	1	14	17	V	0.05	0.1	4	331
180970078	2013	1	14	18	V	0.04	0.1	3.27	357
180970078	2013	1	14	19	V	0.04	0.1	3.73	10
180970078	2013	1	14	20	V	0.05	0.4	3.39	13
180970078	2013	1	14	21	V	0.04	0.7	3.4	24
180970078	2013	1	14	22	V	0.04	0.4	3.35	10
180970078	2013	1	14	23	V	0.04	0.3	3.87	20
180970078	2013	1	14	24	V	0.05	0.2	3.39	12
180970078	2013	1	15	1	V	0.05	0.1	3.2	23
180970078	2013	1	15	2	V	0.04	0.2	3.07	10
180970078	2013	1	15	3	V	0.03	0.1	3.39	13
180970078	2013	1	15	4	V	0.03	0.1	3.92	14
180970078	2013	1	15	5	V	0.03	0.1	3.68	12
180970078	2013	1	15	6	V	0.03	0.1	3.8	16
180970078	2013	1	15	7	V	0.04	0.1	3.95	34
180970078	2013	1	15	8	V	0.08	0.2	4.26	46
180970078	2013	1	15	9	V	0.09	0.2	4.39	43
180970078	2013	1	15	10	V	0.08	0.3	4.88	53
180970078	2013	1	15	11	V	0.08	0.5	4.85	50
180970078	2013	1	15	12	V	0.06	0.5	5.22	56
180970078	2013	1	15	13	V	0.06	0.4	5.46	56
180970078	2013	1	15	14	V	0.06	0.4	5.22	54
180970078	2013	1	15	15	V	0.06	0.4	4.19	62
180970078	2013	1	15	16	V	0.05	0.4	4.03	68
180970078	2013	1	15	17	V	0.05	0.3	4.05	73
180970078	2013	1	15	18	V	0.05	0.3	4.03	57
180970078	2013	1	15	19	V	0.05	0.3	3.97	41
180970078	2013	1	15	20	V	0.05	0.3	4.1	45
180970078	2013	1	15	21	V	0.05	0.4	4.49	36
180970078	2013	1	15	22	V	0.05	0.6	3.97	44
180970078	2013	1	15	23	V	0.04	0.6	3.59	51
180970078	2013	1	15	24	V	0.03	0.6	3.25	41
180970078	2013	1	16	1	V	0.08	0.4	2.05	40
180970078	2013	1	16	2	V	0.3	0.4	1.25	344
180970078	2013	1	16	3	V	0.1	0.4	1.82	12
180970078	2013	1	16	4	V	0.08	0.5	1.93	354
180970078	2013	1	16	5	V	0.1	0.5	1.82	331
180970078	2013	1	16	6	V	0.1	0.4	1.96	308

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	16	7	V	0.2	0.4	1.69	302
180970078	2013	1	16	8	V	0.1	0.6	1.72	283
180970078	2013	1	16	9	V	0.4	1	2.66	248
180970078	2013	1	16	10	V	0.3	0.9	3.69	245
180970078	2013	1	16	11	V	0.06	1.2	5.09	270
180970078	2013	1	16	12	V	0.1	1.5	4.09	261
180970078	2013	1	16	13	V	0.1	1.6	4.2	241
180970078	2013	1	16	14	V	0.1	2	5.14	234
180970078	2013	1	16	15	V	10.8	2.5	5.33	223
180970078	2013	1	16	16	V	2.2	5.1	5.5	228
180970078	2013	1	16	17	V	7.7	5.4	5.65	223
180970078	2013	1	16	18	V	17.7	8.9	5.05	219
180970078	2013	1	16	19	V	38.1	35.2	3.93	214
180970078	2013	1	16	20	V	4.3	18.5	4.63	226
180970078	2013	1	16	21	V	0.2	4.3	6.14	235
180970078	2013	1	16	22	V	0.2	3.4	6.01	235
180970078	2013	1	16	23	V	0.2	2.7	5.05	235
180970078	2013	1	16	24	V	0.1	1.9	3.76	235
180970078	2013	1	17	1	V	0.07	1.6	3.56	240
180970078	2013	1	17	2	V	0.05	1.7	2.83	259
180970078	2013	1	17	3	V	0.4	1.8	2.54	248
180970078	2013	1	17	4	V	0.3	1.9	2.64	232
180970078	2013	1	17	5	V	0.2	2.3	2.37	244
180970078	2013	1	17	6	V	0.06	2.8	2.47	239
180970078	2013	1	17	7	V	0.1	3.1	1.84	263
180970078	2013	1	17	8	V	0.2	2.8	1.4	285
180970078	2013	1	17	9	V	0.6	2.5	2.1	325
180970078	2013	1	17	10	V	0.2	2.5	3.73	342
180970078	2013	1	17	11	V	0.07	3.4	4.7	344
180970078	2013	1	17	12	V	0.09	3.8	4.49	358
180970078	2013	1	17	13	V	0.1	2.8	4.1	339
180970078	2013	1	17	14	V	0.03	1.9	5.84	329
180970078	2013	1	17	15	V	0.01	1.4	7.54	326
180970078	2013	1	17	16	V	0.02	1.5	8.37	329
180970078	2013	1	17	17	V	0.03	3.5	7.88	326
180970078	2013	1	17	18	V	0.03	2.8	7.09	326
180970078	2013	1	17	19	V	0.03	2.1	6.04	338
180970078	2013	1	17	20	V	0.03	1.8	4.24	342
180970078	2013	1	17	21	V	0.04	1.3	4.1	341
180970078	2013	1	17	22	V	0.04	0.7	4.12	355
180970078	2013	1	17	23	V	0.03	0.9	4.2	346
180970078	2013	1	17	24	V	0.06	1	2.18	332
180970078	2013	1	18	1	V	0.3	0.8	1.28	283
180970078	2013	1	18	2	V	0.3	0.5	1.33	268
180970078	2013	1	18	3	V	0.3	0.5	1.59	253
180970078	2013	1	18	4	V	4.6	0.6	2.22	226

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	18	5	V	17.6	0.8	2.55	220
180970078	2013	1	18	6	V	11.8	1.6	2.91	222
180970078	2013	1	18	7	V	8.1	2.1	2.35	224
180970078	2013	1	18	8	V	3.9	2.1	1.86	194
180970078	2013	1	18	9	V	16.0	2.6	1.84	200
180970078	2013	1	18	10	V	7.3	5.1	2.59	197
180970078	2013	1	18	11	V	0.3	6.6	4.53	195
180970078	2013	1	18	12	V	0.2	2.3	5.44	196
180970078	2013	1	18	13	V	0.03	1.3	6.18	188
180970078	2013	1	18	14	V	0.02	1.4	6.91	190
180970078	2013	1	18	15	V	0.01	1.8	8.44	195
180970078	2013	1	18	16	V	0.04	1.8	8.78	192
180970078	2013	1	18	17	V	0.03	1.4	7.2	185
180970078	2013	1	18	18	V	0.03	1.6	6.96	182
180970078	2013	1	18	19	V	0.03	3.3	7.14	182
180970078	2013	1	18	20	V	0.03	4.2	7.03	187
180970078	2013	1	18	21	V	0.03	3.9	7.23	193
180970078	2013	1	18	22	V	0.7	3.7	8.91	199
180970078	2013	1	18	23	V	1.4	3.9	8.79	201
180970078	2013	1	18	24	V	5.5	3.7	7.88	205
180970078	2013	1	19	1	V	6.1	3.1	7.26	206
180970078	2013	1	19	2	V	22.6	7.6	7.43	213
180970078	2013	1	19	3	V	8.7	40.4	7.5	221
180970078	2013	1	19	4	V	5.7	29.3	8.54	223
180970078	2013	1	19	5	V	3.8	33.7	9.49	225
180970078	2013	1	19	6	V	9.1	37.9	8.64	221
180970078	2013	1	19	7	V	17.5	57.5	8.37	217
180970078	2013	1	19	8	V	11.8	65.1	7.4	215
180970078	2013	1	19	9	V	14.4	91.1	6.7	210
180970078	2013	1	19	10	V	8.9	70.8	7.47	209
180970078	2013	1	19	11	V	11.3	40.8	8.13	213
180970078	2013	1	19	12	V	10.0	46.2	8.79	212
180970078	2013	1	19	13	V	4.2	42.8	9.1	221
180970078	2013	1	19	14	V	1.2	44.7	10.19	226
180970078	2013	1	19	15	V	2.8	12.7	11.38	222
180970078	2013	1	19	16	V	8.0	21.7	10.32	222
180970078	2013	1	19	17	V	14.2	25.3	10.1	219
180970078	2013	1	19	18	V	1.1	8.1	9.95	230
180970078	2013	1	19	19	V	8.1	7.3	9.59	222
180970078	2013	1	19	20	V	19.3	15.6	9.64	217
180970078	2013	1	19	21	V	0.9	15.2	9.76	230
180970078	2013	1	19	22	V	0.1	4.7	9.08	235
180970078	2013	1	19	23	V	0.1	-999	8.2	236
180970078	2013	1	19	24	V	0.09	-999	7.86	242
180970078	2013	1	20	1	V	0.2	2	6.79	247
180970078	2013	1	20	2	V	0.02	2.2	8.69	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	20	3	V	0.02	1.7	9.24	289
180970078	2013	1	20	4	V	0.02	0.9	10.39	299
180970078	2013	1	20	5	V	0.02	0.3	9.8	297
180970078	2013	1	20	6	V	0.02	0.3	8.45	298
180970078	2013	1	20	7	V	0.02	0.3	8.3	298
180970078	2013	1	20	8	V	0.01	0.3	8.56	305
180970078	2013	1	20	9	V	0.01	0.3	8.57	300
180970078	2013	1	20	10	V	0.01	0.3	8.15	303
180970078	2013	1	20	11	V	0.02	0.3	6.77	309
180970078	2013	1	20	12	V	0.08	0.3	4.36	314
180970078	2013	1	20	13	V	0.07	0.3	4.44	296
180970078	2013	1	20	14	V	0.05	0.3	4.05	285
180970078	2013	1	20	15	V	0.06	0.4	3.9	291
180970078	2013	1	20	16	V	0.04	0.5	4.66	300
180970078	2013	1	20	17	V	0.04	0.3	5.63	304
180970078	2013	1	20	18	V	0.04	0.3	4.53	293
180970078	2013	1	20	19	V	0.05	0.2	4.6	298
180970078	2013	1	20	20	V	0.05	0.3	4.34	292
180970078	2013	1	20	21	V	0.05	0.3	3.85	289
180970078	2013	1	20	22	V	0.05	0.4	4.7	304
180970078	2013	1	20	23	V	0.05	0.4	4.94	297
180970078	2013	1	20	24	V	0.04	0.4	4.25	295
180970078	2013	1	21	1	V	0.03	0.4	5.36	289
180970078	2013	1	21	2	V	0.04	0.3	4.23	299
180970078	2013	1	21	3	V	0.03	0.2	4.8	284
180970078	2013	1	21	4	V	0.03	0.3	5.1	296
180970078	2013	1	21	5	V	0.03	0.3	6.04	301
180970078	2013	1	21	6	V	0.03	0.2	5.85	289
180970078	2013	1	21	7	V	0.03	0.3	6.18	282
180970078	2013	1	21	8	V	0.05	0.3	6.46	275
180970078	2013	1	21	9	V	0.01	0.4	7.48	266
180970078	2013	1	21	10	V	0.01	0.4	10	267
180970078	2013	1	21	11	V	0.01	0.3	9.73	281
180970078	2013	1	21	12	V	0.01	0.4	9.88	282
180970078	2013	1	21	13	V	0.01	0.4	10.39	278
180970078	2013	1	21	14	V	0.01	0.3	9.24	285
180970078	2013	1	21	15	V	0.01	0.6	9.51	291
180970078	2013	1	21	16	V	0.03	0.3	10.09	284
180970078	2013	1	21	17	V	0.03	0.4	9.34	285
180970078	2013	1	21	18	V	0.03	0.3	8.28	280
180970078	2013	1	21	19	V	0.03	0.3	7.42	288
180970078	2013	1	21	20	V	0.03	0.4	7.06	288
180970078	2013	1	21	21	V	0.04	0.4	6.41	277
180970078	2013	1	21	22	V	0.03	0.5	6.67	276
180970078	2013	1	21	23	V	0.03	0.4	7.18	278
180970078	2013	1	21	24	V	0.03	0.3	7.72	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	22	1	V	0.03	0.4	7.16	294
180970078	2013	1	22	2	V	0.04	0.4	6.53	300
180970078	2013	1	22	3	V	0.03	0.4	6.55	297
180970078	2013	1	22	4	V	0.03	0.4	5.72	291
180970078	2013	1	22	5	V	0.03	0.3	6.21	294
180970078	2013	1	22	6	V	0.03	0.2	5.73	296
180970078	2013	1	22	7	V	0.04	0.2	4.75	298
180970078	2013	1	22	8	V	0.1	0.2	4.66	295
180970078	2013	1	22	9	V	0.07	0.3	4.9	291
180970078	2013	1	22	10	V	0.05	0.4	5.6	291
180970078	2013	1	22	11	V	0.07	0.4	5.34	292
180970078	2013	1	22	12	V	0.08	0.4	4.85	282
180970078	2013	1	22	13	V	0.07	0.4	4.73	291
180970078	2013	1	22	14	V	0.04	0.6	5.21	280
180970078	2013	1	22	15	V	0.02	0.5	6.06	261
180970078	2013	1	22	16	V	0.04	0.5	6.36	273
180970078	2013	1	22	17	V	0.04	1.1	6.4	266
180970078	2013	1	22	18	V	0.2	0.5	6.26	247
180970078	2013	1	22	19	V	0.2	0.8	5.39	253
180970078	2013	1	22	20	V	0.2	1.1	5.14	253
180970078	2013	1	22	21	V	0.05	2.2	5.11	265
180970078	2013	1	22	22	V	0.05	1.3	5.65	273
180970078	2013	1	22	23	V	0.04	1.2	5.82	271
180970078	2013	1	22	24	V	0.05	2.2	4.99	283
180970078	2013	1	23	1	V	0.05	2.4	4.8	275
180970078	2013	1	23	2	V	0.05	2.2	4.34	267
180970078	2013	1	23	3	V	0.04	1.4	3.78	279
180970078	2013	1	23	4	V	0.08	0.9	2.44	269
180970078	2013	1	23	5	V	0.2	0.6	2.25	254
180970078	2013	1	23	6	V	0.6	0.6	2.16	248
180970078	2013	1	23	7	V	0.06	0.7	2.52	261
180970078	2013	1	23	8	V	0.1	1.2	2.28	264
180970078	2013	1	23	9	V	0.7	2.9	2.13	248
180970078	2013	1	23	10	V	33.1	2.6	2.81	220
180970078	2013	1	23	11	V	12.9	19.6	3.69	202
180970078	2013	1	23	12	V	44.9	28.3	3.95	214
180970078	2013	1	23	13	V	40.4	31.1	4.02	211
180970078	2013	1	23	14	V	29.9	31.4	4.02	215
180970078	2013	1	23	15	V	18.3	33.9	4.44	220
180970078	2013	1	23	16	V	38.9	7.5	2.61	215
180970078	2013	1	23	17	V	57.5	4.8	1.3	210
180970078	2013	1	23	18	V	2.4	4.4	0.63	98
180970078	2013	1	23	19	V	1.4	4.3	0.84	89
180970078	2013	1	23	20	V	0.2	11.8	1.76	148
180970078	2013	1	23	21	V	0.06	17.1	2.67	184
180970078	2013	1	23	22	V	53.9	6.8	2.5	212

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	23	23	V	0.3	7.5	2.91	252
180970078	2013	1	23	24	V	0.03	4.2	7.14	323
180970078	2013	1	24	1	V	0.03	1.9	8.05	333
180970078	2013	1	24	2	V	0.03	1	8.37	332
180970078	2013	1	24	3	V	0.03	0.8	6.7	323
180970078	2013	1	24	4	V	0.04	0.9	6.77	330
180970078	2013	1	24	5	V	0.04	0.7	5.82	327
180970078	2013	1	24	6	V	0.05	0.6	4.65	336
180970078	2013	1	24	7	V	0.04	0.5	4.46	329
180970078	2013	1	24	8	V	0.2	0.4	4.02	321
180970078	2013	1	24	9	V	0.1	0.5	3.69	324
180970078	2013	1	24	10	V	0.2	0.9	3.39	333
180970078	2013	1	24	11	V	0.2	1.2	3.08	4
180970078	2013	1	24	12	V	0.1	1.2	3.59	34
180970078	2013	1	24	13	V	0.1	1.2	3.79	52
180970078	2013	1	24	14	V	0.1	1.3	3.35	46
180970078	2013	1	24	15	V	0.04	0.9	3.29	62
180970078	2013	1	24	16	V	0.04	0.7	3.06	76
180970078	2013	1	24	17	V	0.05	0.8	3.34	86
180970078	2013	1	24	18	V	0.05	0.7	3.34	91
180970078	2013	1	24	19	V	0.05	0.8	3.54	94
180970078	2013	1	24	20	V	0.05	0.8	4.87	90
180970078	2013	1	24	21	V	0.06	0.8	4.63	94
180970078	2013	1	24	22	V	0.05	0.7	5.27	111
180970078	2013	1	24	23	V	0.04	0.8	5.75	110
180970078	2013	1	24	24	V	0.05	1.2	5.65	115
180970078	2013	1	25	1	V	0.04	1.2	6.43	116
180970078	2013	1	25	2	V	0.04	2.8	4.63	127
180970078	2013	1	25	3	V	0.03	9.2	5.34	125
180970078	2013	1	25	4	V	0.04	13	4.6	116
180970078	2013	1	25	5	V	0.03	12.3	5.67	116
180970078	2013	1	25	6	V	0.04	14.9	6.13	126
180970078	2013	1	25	7	V	0.04	14.5	6.19	133
180970078	2013	1	25	8	V	0.07	4.7	3.91	130
180970078	2013	1	25	9	V	0.3	5.2	2.79	121
180970078	2013	1	25	10	V	0.4	7.5	2.61	132
180970078	2013	1	25	11	V	0.6	9.5	2.27	161
180970078	2013	1	25	12	V	0.8	10.2	2.56	194
180970078	2013	1	25	13	V	0.2	16.7	3.75	235
180970078	2013	1	25	14	V	0.08	6	4.37	243
180970078	2013	1	25	15	V	0.2	6.2	4.46	256
180970078	2013	1	25	16	V	0.2	5.6	4.88	246
180970078	2013	1	25	17	V	0.2	5.3	5.5	251
180970078	2013	1	25	18	V	0.1	4.9	4.9	238
180970078	2013	1	25	19	V	10.0	5.7	4.46	222
180970078	2013	1	25	20	V	45.5	7.8	3.25	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	25	21	V	1.2	14.4	2.95	203
180970078	2013	1	25	22	V	0.9	9.8	3.4	203
180970078	2013	1	25	23	V	43.4	10	2.89	215
180970078	2013	1	25	24	V	0.06	11.8	3.52	257
180970078	2013	1	26	1	V	0.04	4.6	3.4	281
180970078	2013	1	26	2	V	0.05	2.2	3.13	265
180970078	2013	1	26	3	V	0.07	1.6	2.83	256
180970078	2013	1	26	4	V	0.3	1.6	2.89	252
180970078	2013	1	26	5	V	0.05	1.4	2.86	264
180970078	2013	1	26	6	V	0.06	1.3	2.59	302
180970078	2013	1	26	7	V	0.06	1.3	2.66	313
180970078	2013	1	26	8	V	0.2	1.4	2.64	295
180970078	2013	1	26	9	V	0.3	1.2	3.13	290
180970078	2013	1	26	10	V	0.2	2	4.02	322
180970078	2013	1	26	11	V	0.1	3.8	4.44	336
180970078	2013	1	26	12	V	0.3	2.8	2.91	335
180970078	2013	1	26	13	V	0.6	2	1.96	4
180970078	2013	1	26	14	V	0.8	1.9	1.57	15
180970078	2013	1	26	15	V	0.3	1.7	1.67	311
180970078	2013	1	26	16	V	0.3	1.6	1.53	287
180970078	2013	1	26	17	V	0.2	1.4	1.72	273
180970078	2013	1	26	18	V	0.1	1.4	2.22	318
180970078	2013	1	26	19	V	0.07	1.3	2.66	351
180970078	2013	1	26	20	V	0.06	1	2.83	60
180970078	2013	1	26	21	V	0.05	0.9	3.1	84
180970078	2013	1	26	22	V	0.06	0.8	2.74	72
180970078	2013	1	26	23	V	0.06	-999	2.84	96
180970078	2013	1	26	24	V	0.04	-999	3.91	100
180970078	2013	1	27	1	V	0.04	0.7	3.73	114
180970078	2013	1	27	2	V	0.04	0.7	3.76	110
180970078	2013	1	27	3	V	0.04	0.6	3.34	107
180970078	2013	1	27	4	V	0.04	0.6	3.24	119
180970078	2013	1	27	5	V	0.03	0.7	3.57	110
180970078	2013	1	27	6	V	0.03	1.1	4.02	105
180970078	2013	1	27	7	V	0.04	1.9	3.95	108
180970078	2013	1	27	8	V	0.2	4.5	3.3	115
180970078	2013	1	27	9	V	0.08	6.7	4.51	109
180970078	2013	1	27	10	V	0.1	9.4	4.34	133
180970078	2013	1	27	11	V	0.1	10.7	4.42	128
180970078	2013	1	27	12	V	0.1	11.9	4.36	128
180970078	2013	1	27	13	V	0.09	12.4	4.66	128
180970078	2013	1	27	14	V	0.08	9.7	4.99	120
180970078	2013	1	27	15	V	0.07	5.4	5.5	126
180970078	2013	1	27	16	V	0.05	4.6	5.58	134
180970078	2013	1	27	17	V	0.05	4.2	5.45	131
180970078	2013	1	27	18	V	0.05	4.1	6.13	137

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	27	19	V	0.05	2.7	5.17	144
180970078	2013	1	27	20	V	0.06	2.2	3.85	132
180970078	2013	1	27	21	V	0.05	1.4	4.88	123
180970078	2013	1	27	22	V	0.05	1.1	5.31	140
180970078	2013	1	27	23	V	0.04	1	6.16	142
180970078	2013	1	27	24	V	0.05	0.9	4.14	156
180970078	2013	1	28	1	V	0.05	0.9	2.79	169
180970078	2013	1	28	2	V	0.04	0.8	4.42	148
180970078	2013	1	28	3	V	0.04	0.9	3.03	160
180970078	2013	1	28	4	V	0.04	0.9	3.17	171
180970078	2013	1	28	5	V	0.04	1	2.62	152
180970078	2013	1	28	6	V	0.04	0.9	5.04	174
180970078	2013	1	28	7	V	27.4	1	3.83	210
180970078	2013	1	28	8	V	6.0	1.3	7.3	225
180970078	2013	1	28	9	V	7.4	10.3	7.28	219
180970078	2013	1	28	10	V	13.8	38.7	6.87	215
180970078	2013	1	28	11	V	13.5	40.2	6.77	216
180970078	2013	1	28	12	V	15.8	28.3	6.84	214
180970078	2013	1	28	13	V	14.5	41.4	6.58	216
180970078	2013	1	28	14	V	18.8	52.5	5.72	216
180970078	2013	1	28	15	V	30.7	50.6	5.16	215
180970078	2013	1	28	16	V	35.3	44.6	5.33	214
180970078	2013	1	28	17	V	36.1	33.9	5.11	211
180970078	2013	1	28	18	V	27.8	24.9	4.2	209
180970078	2013	1	28	19	V	0.06	10.1	3.59	194
180970078	2013	1	28	20	V	0.05	3.8	3.76	183
180970078	2013	1	28	21	V	0.05	2.5	3.68	185
180970078	2013	1	28	22	V	0.05	1.8	3.76	194
180970078	2013	1	28	23	V	0.04	1.6	3.97	188
180970078	2013	1	28	24	V	0.04	1.4	4.51	193
180970078	2013	1	29	1	V	0.04	1.2	4.68	190
180970078	2013	1	29	2	V	0.05	1.1	4.9	182
180970078	2013	1	29	3	V	0.05	1	4.58	179
180970078	2013	1	29	4	V	0.05	1	4.83	186
180970078	2013	1	29	5	V	0.05	1	5.39	183
180970078	2013	1	29	6	V	0.2	1.4	6.89	196
180970078	2013	1	29	7	V	0.1	1.9	8.73	194
180970078	2013	1	29	8	V	0.01	2.1	8.42	192
180970078	2013	1	29	9	V	0.02	2.3	7.65	193
180970078	2013	1	29	10	V	0.02	2.7	7.18	190
180970078	2013	1	29	11	V	0.2	3.1	8.57	198
180970078	2013	1	29	12	V	0.04	4.3	8.35	195
180970078	2013	1	29	13	V	0.2	3.7	8.16	198
180970078	2013	1	29	14	V	0.01	3.1	8.74	193
180970078	2013	1	29	15	V	0.01	3	8.22	186
180970078	2013	1	29	16	V	0.04	3.2	7.91	179

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	29	17	V	0.04	2.7	8.18	175
180970078	2013	1	29	18	V	0.04	2.3	8.96	176
180970078	2013	1	29	19	V	0.05	2	8.91	177
180970078	2013	1	29	20	V	0.04	1.7	7.91	172
180970078	2013	1	29	21	V	0.04	1.7	8.57	174
180970078	2013	1	29	22	V	0.04	1.8	10.73	177
180970078	2013	1	29	23	V	0.04	2.1	10.8	172
180970078	2013	1	29	24	V	0.04	2.1	11.96	174
180970078	2013	1	30	1	V	0.03	1.9	13.13	175
180970078	2013	1	30	2	V	0.02	1.8	12.59	273
180970078	2013	1	30	3	V	0.03	1	6.16	328
180970078	2013	1	30	4	V	0.04	0.8	2.45	351
180970078	2013	1	30	5	V	0.05	0.8	2.22	259
180970078	2013	1	30	6	V	0.04	0.8	3.18	139
180970078	2013	1	30	7	V	0.04	0.8	4.99	141
180970078	2013	1	30	8	V	0.02	0.8	6.31	142
180970078	2013	1	30	9	V	0.02	0.8	6.38	162
180970078	2013	1	30	10	V	0.06	0.8	5.04	189
180970078	2013	1	30	11	V	0.7	0.9	7.25	200
180970078	2013	1	30	12	V	11.2	3.1	7.89	214
180970078	2013	1	30	13	V	8.9	23.7	8.42	210
180970078	2013	1	30	14	V	6.0	34.8	7.57	207
180970078	2013	1	30	15	V	9.4	26.5	8.62	211
180970078	2013	1	30	16	V	0.04	5.2	10.49	273
180970078	2013	1	30	17	V	0.04	2	10.58	262
180970078	2013	1	30	18	V	0.04	1.4	11.45	263
180970078	2013	1	30	19	V	0.04	1.3	12.42	262
180970078	2013	1	30	20	V	0.04	1.1	11.84	270
180970078	2013	1	30	21	V	0.04	1	11.33	265
180970078	2013	1	30	22	V	0.04	1	11.46	269
180970078	2013	1	30	23	V	0.04	0.9	12.19	272
180970078	2013	1	30	24	V	0.03	0.8	13.03	267
180970078	2013	1	31	1	V	0.03	0.8	12.52	270
180970078	2013	1	31	2	V	0.03	0.8	12.21	268
180970078	2013	1	31	3	V	0.03	0.7	11.31	270
180970078	2013	1	31	4	V	0.03	0.7	11.6	268
180970078	2013	1	31	5	V	0.03	0.7	11.29	270
180970078	2013	1	31	6	V	0.03	0.7	11.68	269
180970078	2013	1	31	7	V	0.03	0.6	10.22	270
180970078	2013	1	31	8	V	0.06	0.6	8.2	262
180970078	2013	1	31	9	V	0.05	0.6	7.11	246
180970078	2013	1	31	10	V	0.03	0.9	8.18	235
180970078	2013	1	31	11	V	0.03	1.7	9.44	248
180970078	2013	1	31	12	V	0.02	1.3	10.1	254
180970078	2013	1	31	13	V	0.01	1	9.08	260
180970078	2013	1	31	14	V	0.01	1	8.62	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	1	31	15	V	0.05	1	8.52	273
180970078	2013	1	31	16	V	0.06	1	7.59	260
180970078	2013	1	31	17	V	0.04	1	7.59	268
180970078	2013	1	31	18	V	0.04	1	8.2	281
180970078	2013	1	31	19	V	0.04	0.7	9.25	290
180970078	2013	1	31	20	V	0.04	0.7	9.66	299
180970078	2013	1	31	21	V	0.04	0.7	9.64	304
180970078	2013	1	31	22	V	0.04	0.6	9.95	298
180970078	2013	1	31	23	V	0.03	0.6	9.47	301
180970078	2013	1	31	24	V	0.03	0.6	10.77	300
180970078	2013	2	1	1	V	0.03	0.5	10	294
180970078	2013	2	1	2	V	0.03	0.5	9.2	286
180970078	2013	2	1	3	V	0.04	0.5	8.52	285
180970078	2013	2	1	4	V	0.04	0.5	8.15	287
180970078	2013	2	1	5	V	0.04	0.5	8.44	285
180970078	2013	2	1	6	V	0.04	0.5	7.25	284
180970078	2013	2	1	7	V	0.04	0.5	7.3	280
180970078	2013	2	1	8	V	0.03	0.4	5.84	276
180970078	2013	2	1	9	V	0.07	0.5	4.75	281
180970078	2013	2	1	10	V	0.04	0.6	6.58	273
180970078	2013	2	1	11	V	0.03	0.8	6.75	267
180970078	2013	2	1	12	V	0.07	1	5.85	254
180970078	2013	2	1	13	V	0.08	1.2	5.87	243
180970078	2013	2	1	14	V	0.09	1.1	6.28	248
180970078	2013	2	1	15	V	0.2	0.8	6.74	237
180970078	2013	2	1	16	V	0.1	2.6	5.92	240
180970078	2013	2	1	17	V	0.8	4	5.97	231
180970078	2013	2	1	18	V	0.3	1.2	6.28	233
180970078	2013	2	1	19	V	49.7	0.7	4.53	212
180970078	2013	2	1	20	V	0.04	3.1	3.46	190
180970078	2013	2	1	21	V	4.6	5.7	4.14	204
180970078	2013	2	1	22	V	4.1	20.1	5.29	202
180970078	2013	2	1	23	V	12.4	28.2	5.26	205
180970078	2013	2	1	24	V	0.4	24.5	4.88	198
180970078	2013	2	2	1	V	0.2	12.6	4.73	197
180970078	2013	2	2	2	V	0.05	11.1	4.22	189
180970078	2013	2	2	3	V	0.04	6.3	4	191
180970078	2013	2	2	4	V	0.1	6.3	4.07	197
180970078	2013	2	2	5	V	0.06	5	2.57	194
180970078	2013	2	2	6	V	0.06	3.9	3.71	158
180970078	2013	2	2	7	V	0.06	3.6	4.56	165
180970078	2013	2	2	8	V	0.08	3.3	5.53	178
180970078	2013	2	2	9	V	0.09	3.1	4.49	182
180970078	2013	2	2	10	V	0.7	3.4	4.63	196
180970078	2013	2	2	11	V	24.6	14.5	5.34	216
180970078	2013	2	2	12	V	1.0	25.8	6.77	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	2	13	V	0.2	9.4	5.97	235
180970078	2013	2	2	14	V	0.07	4.9	6.57	247
180970078	2013	2	2	15	V	0.2	4.3	6.36	254
180970078	2013	2	2	16	V	0.2	4	5.46	252
180970078	2013	2	2	17	V	0.2	3.8	4.9	253
180970078	2013	2	2	18	V	0.05	2.5	5.94	275
180970078	2013	2	2	19	V	0.05	1.8	5.1	276
180970078	2013	2	2	20	V	0.06	1.4	4.1	272
180970078	2013	2	2	21	V	0.05	1.3	5.51	285
180970078	2013	2	2	22	V	0.04	1.1	7.62	302
180970078	2013	2	2	23	V	0.05	-999	6.64	295
180970078	2013	2	2	24	V	0.05	-999	6.29	279
180970078	2013	2	3	1	V	0.05	0.7	5.05	282
180970078	2013	2	3	2	V	0.04	0.7	3.52	277
180970078	2013	2	3	3	V	0.05	0.7	3.15	274
180970078	2013	2	3	4	V	0.08	0.7	2.54	274
180970078	2013	2	3	5	V	0.05	0.7	3.3	269
180970078	2013	2	3	6	V	0.06	0.8	2.93	275
180970078	2013	2	3	7	V	0.06	0.8	3.4	270
180970078	2013	2	3	8	V	0.2	0.8	4.09	256
180970078	2013	2	3	9	V	0.2	0.8	3.95	260
180970078	2013	2	3	10	V	0.3	0.9	3.32	268
180970078	2013	2	3	11	V	0.3	1.2	3.07	269
180970078	2013	2	3	12	V	0.4	2	2.89	273
180970078	2013	2	3	13	V	0.1	2.1	4.63	265
180970078	2013	2	3	14	V	0.04	2.2	5.85	269
180970078	2013	2	3	15	V	0.06	1.9	6.47	277
180970078	2013	2	3	16	V	0.04	1.5	7.2	281
180970078	2013	2	3	17	V	0.04	1.2	8.47	284
180970078	2013	2	3	18	V	0.04	1	6.99	290
180970078	2013	2	3	19	V	0.04	0.8	4.29	267
180970078	2013	2	3	20	V	0.3	0.7	3.51	246
180970078	2013	2	3	21	V	9.7	0.6	3.52	223
180970078	2013	2	3	22	V	8.1	0.8	3.83	224
180970078	2013	2	3	23	V	2.3	1	3.39	228
180970078	2013	2	3	24	V	0.07	1	3.69	238
180970078	2013	2	4	1	V	1.4	1.3	3.23	229
180970078	2013	2	4	2	V	17.9	2.6	2.5	207
180970078	2013	2	4	3	V	46.0	5.9	2.18	210
180970078	2013	2	4	4	V	0.2	12.2	1.96	196
180970078	2013	2	4	5	V	0.06	9.3	2.89	135
180970078	2013	2	4	6	V	0.06	3.2	3.66	146
180970078	2013	2	4	7	V	0.06	2.3	4.19	149
180970078	2013	2	4	8	V	0.06	2.2	4.44	149
180970078	2013	2	4	9	V	0.2	2	3.35	149
180970078	2013	2	4	10	V	0.1	3.5	4.26	160

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	4	11	V	0.3	10.5	3.3	155
180970078	2013	2	4	12	V	0.5	10.6	2.54	174
180970078	2013	2	4	13	V	2.8	13.8	2.84	234
180970078	2013	2	4	14	V	25.4	21.3	5.41	211
180970078	2013	2	4	15	V	9.8	30.6	6.48	208
180970078	2013	2	4	16	V	25.5	46	5.05	218
180970078	2013	2	4	17	V	0.1	13.7	4.63	242
180970078	2013	2	4	18	V	0.2	6.9	2.21	242
180970078	2013	2	4	19	V	5.1	3.4	1.42	201
180970078	2013	2	4	20	V	0.1	3.7	1.93	297
180970078	2013	2	4	21	V	0.06	3.9	4.32	334
180970078	2013	2	4	22	V	0.05	4.2	5.21	350
180970078	2013	2	4	23	V	0.06	3.5	3.13	4
180970078	2013	2	4	24	V	0.06	3.4	4	356
180970078	2013	2	5	1	V	0.05	3	3.34	359
180970078	2013	2	5	2	V	0.05	2.7	3.37	360
180970078	2013	2	5	3	V	0.04	2.5	4.58	344
180970078	2013	2	5	4	V	0.04	2.1	3.17	339
180970078	2013	2	5	5	V	0.06	1.9	2.18	346
180970078	2013	2	5	6	V	0.1	1.7	1.74	360
180970078	2013	2	5	7	V	0.4	1.7	1.38	315
180970078	2013	2	5	8	V	0.9	1.5	1.59	284
180970078	2013	2	5	9	V	7.4	2.1	0.53	234
180970078	2013	2	5	10	V	2.9	2.8	1.01	286
180970078	2013	2	5	11	V	9.6	3.4	2.49	198
180970078	2013	2	5	12	V	0.2	3.8	3.64	169
180970078	2013	2	5	13	V	0.06	4.4	4.39	172
180970078	2013	2	5	14	V	0.05	5.2	4.63	192
180970078	2013	2	5	15	V	0.03	4	5.53	196
180970078	2013	2	5	16	V	31.3	29.4	5.79	212
180970078	2013	2	5	17	V	0.2	23	6.48	235
180970078	2013	2	5	18	V	0.05	6.3	5.53	263
180970078	2013	2	5	19	V	0.08	5.3	4.12	259
180970078	2013	2	5	20	V	0.4	6.5	2.84	247
180970078	2013	2	5	21	V	0.3	5.7	3.34	246
180970078	2013	2	5	22	V	0.05	4.1	4.44	283
180970078	2013	2	5	23	V	0.04	2.9	6.16	306
180970078	2013	2	5	24	V	0.04	1.9	6.43	308
180970078	2013	2	6	1	V	0.04	1.4	5.72	315
180970078	2013	2	6	2	V	0.04	1.2	5.89	312
180970078	2013	2	6	3	V	0.04	1.1	5.16	308
180970078	2013	2	6	4	V	0.04	1	4.13	339
180970078	2013	2	6	5	V	0.04	0.9	3.66	332
180970078	2013	2	6	6	V	0.05	1	2.57	299
180970078	2013	2	6	7	V	0.06	1	2.76	328
180970078	2013	2	6	8	V	0.2	1	2.04	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	6	9	V	0.6	1.1	1.72	26
180970078	2013	2	6	10	V	0.4	1.2	2.54	58
180970078	2013	2	6	11	V	0.5	1.9	2.3	95
180970078	2013	2	6	12	V	0.6	2.2	2.49	116
180970078	2013	2	6	13	V	0.3	2	2.67	139
180970078	2013	2	6	14	V	0.09	1.9	3.81	167
180970078	2013	2	6	15	V	0.06	1.7	3.85	173
180970078	2013	2	6	16	V	0.06	1.5	3.39	159
180970078	2013	2	6	17	V	0.04	1.4	3.39	129
180970078	2013	2	6	18	V	0.04	1.1	3.47	139
180970078	2013	2	6	19	V	0.04	0.7	4.03	107
180970078	2013	2	6	20	V	0.04	0.5	3.63	113
180970078	2013	2	6	21	V	0.05	0.7	3.05	127
180970078	2013	2	6	22	V	0.1	0.7	1.98	120
180970078	2013	2	6	23	V	0.06	0.7	2.73	110
180970078	2013	2	6	24	V	0.06	1.3	3.15	111
180970078	2013	2	7	1	V	0.06	4.2	3.2	119
180970078	2013	2	7	2	V	0.06	4.6	2.81	128
180970078	2013	2	7	3	V	0.05	8.4	3.36	114
180970078	2013	2	7	4	V	0.07	8	2.49	118
180970078	2013	2	7	5	V	0.05	9.9	3.18	114
180970078	2013	2	7	6	V	0.05	11.5	3.51	119
180970078	2013	2	7	7	V	0.06	10.2	3.3	131
180970078	2013	2	7	8	V	0.1	8.5	3.17	105
180970078	2013	2	7	9	V	0.4	9.2	3.37	116
180970078	2013	2	7	10	V	0.2	14.9	4.2	136
180970078	2013	2	7	11	V	0.2	15.5	4.2	128
180970078	2013	2	7	12	V	0.4	12.7	3.57	127
180970078	2013	2	7	13	V	0.3	10.6	3.37	130
180970078	2013	2	7	14	V	0.4	9.2	2.55	119
180970078	2013	2	7	15	V	0.2	7.5	2.81	133
180970078	2013	2	7	16	V	0.05	6.4	3.44	126
180970078	2013	2	7	17	V	0.03	5.3	4.87	125
180970078	2013	2	7	18	V	0.03	5.7	4.46	118
180970078	2013	2	7	19	V	0.05	5.3	4.43	134
180970078	2013	2	7	20	V	0.06	4.8	4.09	157
180970078	2013	2	7	21	V	0.06	4.2	3.71	163
180970078	2013	2	7	22	V	0.05	3.5	4.15	282
180970078	2013	2	7	23	V	0.05	2	3.23	294
180970078	2013	2	7	24	V	0.04	1.6	4.46	292
180970078	2013	2	8	1	V	0.03	1.1	6.57	296
180970078	2013	2	8	2	V	0.03	0.9	7.54	297
180970078	2013	2	8	3	V	0.03	0.9	6.96	302
180970078	2013	2	8	4	V	0.03	1.3	6.75	303
180970078	2013	2	8	5	V	0.03	1.6	8.06	306
180970078	2013	2	8	6	V	0.03	1.5	8.83	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	8	7	V	0.03	1.6	8.35	315
180970078	2013	2	8	8	V	0.01	1.6	9.12	313
180970078	2013	2	8	9	V	0.01	1.6	7.54	317
180970078	2013	2	8	10	V	0.01	1.6	8.37	317
180970078	2013	2	8	11	V	0.01	1.6	7.62	315
180970078	2013	2	8	12	V	0.01	1.8	7.96	314
180970078	2013	2	8	13	V	0.01	2	7.94	314
180970078	2013	2	8	14	V	0.01	1.8	6.94	319
180970078	2013	2	8	15	V	0.01	1.5	6.8	314
180970078	2013	2	8	16	V	0.03	1.3	6.23	314
180970078	2013	2	8	17	V	0.03	1.2	5.58	314
180970078	2013	2	8	18	V	0.03	1.1	5.02	313
180970078	2013	2	8	19	V	0.03	1.1	5.41	319
180970078	2013	2	8	20	V	0.03	0.9	5.41	331
180970078	2013	2	8	21	V	0.03	0.7	4.48	331
180970078	2013	2	8	22	V	0.03	0.6	3.54	353
180970078	2013	2	8	23	V	0.04	0.6	4.15	5
180970078	2013	2	8	24	V	0.03	0.7	2.66	8
180970078	2013	2	9	1	V	0.04	0.6	2.25	31
180970078	2013	2	9	2	V	0.03	0.5	3.08	25
180970078	2013	2	9	3	V	0.05	0.6	2.35	20
180970078	2013	2	9	4	V	0.1	0.5	1.59	42
180970078	2013	2	9	5	V	0.5	0.4	1.06	53
180970078	2013	2	9	6	V	1.5	0.6	0.63	58
180970078	2013	2	9	7	V	0.2	0.9	1.52	98
180970078	2013	2	9	8	V	0.6	2.1	1.25	124
180970078	2013	2	9	9	V	1.7	1.9	0.94	131
180970078	2013	2	9	10	V	0.1	1.2	3.36	131
180970078	2013	2	9	11	V	0.1	1.2	3.36	141
180970078	2013	2	9	12	V	0.05	1.1	4.36	144
180970078	2013	2	9	13	V	0.04	1.3	4.86	139
180970078	2013	2	9	14	V	0.03	1.5	4.86	146
180970078	2013	2	9	15	V	0.01	1.4	6.46	137
180970078	2013	2	9	16	V	0.03	1.6	4.36	118
180970078	2013	2	9	17	V	0.03	1.6	3.86	132
180970078	2013	2	9	18	V	0.03	4.5	4.86	127
180970078	2013	2	9	19	V	0.03	6	4.36	107
180970078	2013	2	9	20	V	0.03	6.6	3.36	109
180970078	2013	2	9	21	V	0.04	11.7	2.86	116
180970078	2013	2	9	22	V	0.03	17.5	2.86	135
180970078	2013	2	9	23	V	0.03	-999	4.36	125
180970078	2013	2	9	24	V	0.03	-999	4.36	121
180970078	2013	2	10	1	V	0.03	19.9	3.86	135
180970078	2013	2	10	2	V	0.04	19.3	3.86	129
180970078	2013	2	10	3	V	0.04	16	2.86	150
180970078	2013	2	10	4	M	-999	7.8	3.36	999

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	10	5	V	0.05	3.9	2.36	96
180970078	2013	2	10	6	V	0.04	3.4	3.36	125
180970078	2013	2	10	7	V	0.04	3.3	4.86	121
180970078	2013	2	10	8	V	0.02	3.6	5.96	129
180970078	2013	2	10	9	V	0.06	3.8	4.36	137
180970078	2013	2	10	10	V	0.02	3.2	5.96	130
180970078	2013	2	10	11	V	0.04	2.9	5.36	131
180970078	2013	2	10	12	V	0.03	3.8	5.36	152
180970078	2013	2	10	13	V	0.03	3.7	5.87	144
180970078	2013	2	10	14	V	0.02	2.9	5.75	162
180970078	2013	2	10	15	V	0.04	2.2	4.7	147
180970078	2013	2	10	16	V	0.04	1.5	5.75	150
180970078	2013	2	10	17	V	0.03	1.9	6.87	157
180970078	2013	2	10	18	V	0.03	1.8	8.18	155
180970078	2013	2	10	19	V	0.03	1.7	9.2	166
180970078	2013	2	10	20	V	0.03	1.6	9.39	178
180970078	2013	2	10	21	V	0.03	1.3	9.02	185
180970078	2013	2	10	22	V	0.03	1.1	8.35	183
180970078	2013	2	10	23	V	0.03	1.2	8.32	181
180970078	2013	2	10	24	V	0.03	1.2	7.84	186
180970078	2013	2	11	1	V	0.04	1.2	7.33	193
180970078	2013	2	11	2	V	14.9	1.4	8.35	212
180970078	2013	2	11	3	V	8.5	5.6	9.03	220
180970078	2013	2	11	4	V	4.9	7.7	9.88	224
180970078	2013	2	11	5	V	0.1	3.7	11.77	236
180970078	2013	2	11	6	V	0.1	2.3	9	253
180970078	2013	2	11	7	V	0.1	1.9	10.78	251
180970078	2013	2	11	8	V	0.02	1.7	11.67	250
180970078	2013	2	11	9	V	0.03	1.5	9.22	247
180970078	2013	2	11	10	V	0.01	1.4	9.97	243
180970078	2013	2	11	11	V	0.01	1.2	11.72	253
180970078	2013	2	11	12	V	0.02	1.4	10.1	247
180970078	2013	2	11	13	V	0.02	2.9	10.05	254
180970078	2013	2	11	14	V	0.01	1.9	10.66	261
180970078	2013	2	11	15	V	0.01	1.4	11.68	261
180970078	2013	2	11	16	V	0.06	1.2	11.55	256
180970078	2013	2	11	17	V	0.05	1.1	9.25	258
180970078	2013	2	11	18	V	0.1	2	8.93	254
180970078	2013	2	11	19	V	0.04	1.3	8.2	260
180970078	2013	2	11	20	V	0.02	1.1	7.15	264
180970078	2013	2	11	21	V	0.03	0.9	4.53	261
180970078	2013	2	11	22	V	0.04	0.9	4.12	259
180970078	2013	2	11	23	V	0.02	0.8	4.76	264
180970078	2013	2	11	24	V	0.02	0.7	4.2	272
180970078	2013	2	12	1	V	0.02	0.6	3.52	268
180970078	2013	2	12	2	V	0.02	0.6	3.35	260

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	12	3	V	0.02	0.6	4.05	268
180970078	2013	2	12	4	V	0.02	0.5	3.59	283
180970078	2013	2	12	5	V	0.02	0.5	4.22	278
180970078	2013	2	12	6	V	0.03	0.5	3.08	281
180970078	2013	2	12	7	V	0.05	0.5	2.32	275
180970078	2013	2	12	8	V	0.5	0.9	2.25	252
180970078	2013	2	12	9	V	10.2	1.4	2.37	228
180970078	2013	2	12	10	V	0.4	1	2.81	245
180970078	2013	2	12	11	V	0.8	1	1.57	271
180970078	2013	2	12	12	V	2.0	1.1	2.5	237
180970078	2013	2	12	13	V	0.3	4.4	2.55	255
180970078	2013	2	12	14	V	0.2	1.6	3.73	245
180970078	2013	2	12	15	V	0.08	2.5	4.75	235
180970078	2013	2	12	16	V	0.2	1.4	4.92	242
180970078	2013	2	12	17	V	0.3	1.2	4.48	250
180970078	2013	2	12	18	V	0.03	1.3	4.44	269
180970078	2013	2	12	19	V	0.03	1.3	3.35	293
180970078	2013	2	12	20	V	0.03	0.9	3.66	313
180970078	2013	2	12	21	V	0.03	0.6	3.15	310
180970078	2013	2	12	22	V	0.03	0.6	3.08	339
180970078	2013	2	12	23	V	0.03	0.5	2.81	350
180970078	2013	2	12	24	V	0.05	0.6	2.23	10
180970078	2013	2	13	1	V	0.04	0.7	2.64	14
180970078	2013	2	13	2	V	0.04	0.7	2.3	34
180970078	2013	2	13	3	V	0.04	0.7	2.62	13
180970078	2013	2	13	4	V	0.04	0.6	2.66	22
180970078	2013	2	13	5	V	0.04	0.6	2.47	31
180970078	2013	2	13	6	V	0.03	0.6	3.49	20
180970078	2013	2	13	7	V	0.04	0.7	4.29	11
180970078	2013	2	13	8	V	0.1	0.9	2.5	27
180970078	2013	2	13	9	V	2.1	0.9	0.94	353
180970078	2013	2	13	10	V	0.8	1	1.81	350
180970078	2013	2	13	11	V	4.9	1.3	0.82	246
180970078	2013	2	13	12	V	8.9	1.6	1.03	234
180970078	2013	2	13	13	V	0.3	1.8	2.38	285
180970078	2013	2	13	14	V	0.2	1.9	2.54	278
180970078	2013	2	13	15	V	0.2	1.6	2.79	255
180970078	2013	2	13	16	V	0.2	1.5	4.22	254
180970078	2013	2	13	17	V	0.2	1.7	4.83	245
180970078	2013	2	13	18	V	0.1	1.7	5.05	240
180970078	2013	2	13	19	V	1.8	1.6	4.6	228
180970078	2013	2	13	20	V	23.0	4	4.27	218
180970078	2013	2	13	21	V	0.1	10	3.8	200
180970078	2013	2	13	22	V	0.2	8.4	4.41	199
180970078	2013	2	13	23	V	0.4	3.5	5	200
180970078	2013	2	13	24	V	12.0	3	4.61	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	14	1	V	34.9	7.1	4.78	210
180970078	2013	2	14	2	V	19.6	25.7	4.46	208
180970078	2013	2	14	3	V	1.1	19.2	4.19	202
180970078	2013	2	14	4	V	19.0	10.3	3.98	208
180970078	2013	2	14	5	V	38.3	17.9	4.19	211
180970078	2013	2	14	6	V	0.05	10.7	3.51	194
180970078	2013	2	14	7	V	0.06	5.7	3.56	193
180970078	2013	2	14	8	V	0.1	4.9	4.19	191
180970078	2013	2	14	9	V	0.07	4.4	5.12	187
180970078	2013	2	14	10	V	0.06	4.6	6.45	192
180970078	2013	2	14	11	V	3.3	7.6	7.2	205
180970078	2013	2	14	12	V	2.1	15.8	7.84	225
180970078	2013	2	14	13	V	0.02	9.4	9.01	237
180970078	2013	2	14	14	V	0.2	5.5	8.11	232
180970078	2013	2	14	15	V	0.01	4	8.83	236
180970078	2013	2	14	16	V	0.1	4	9.07	247
180970078	2013	2	14	17	V	0.02	2.8	9.22	278
180970078	2013	2	14	18	V	0.02	1.7	8.95	285
180970078	2013	2	14	19	V	0.02	1.4	7.45	287
180970078	2013	2	14	20	V	0.02	1.2	6.26	293
180970078	2013	2	14	21	V	0.03	1.1	5.58	294
180970078	2013	2	14	22	V	0.02	1.1	6.43	295
180970078	2013	2	14	23	V	0.03	1	4.49	285
180970078	2013	2	14	24	V	0.4	1	2.93	251
180970078	2013	2	15	1	V	5.6	0.8	2.55	225
180970078	2013	2	15	2	V	0.1	1	2.67	243
180970078	2013	2	15	3	V	0.2	1	2.4	244
180970078	2013	2	15	4	V	0.2	0.8	2.59	234
180970078	2013	2	15	5	V	1.8	0.9	2.78	228
180970078	2013	2	15	6	V	0.08	1	3.49	239
180970078	2013	2	15	7	V	0.2	1.3	3.59	244
180970078	2013	2	15	8	V	0.2	1.4	3.57	254
180970078	2013	2	15	9	V	0.2	1.3	2.78	254
180970078	2013	2	15	10	V	0.05	1.3	4.02	278
180970078	2013	2	15	11	V	0.03	1.2	4.63	290
180970078	2013	2	15	12	V	0.02	1.3	5.16	291
180970078	2013	2	15	13	V	0.01	1.3	6.82	304
180970078	2013	2	15	14	V	0.01	1.4	8.28	317
180970078	2013	2	15	15	V	0.01	1.2	7.6	337
180970078	2013	2	15	16	V	0.03	1.1	7.72	324
180970078	2013	2	15	17	V	0.02	1.2	7.33	314
180970078	2013	2	15	18	V	0.03	1	5.97	314
180970078	2013	2	15	19	V	0.02	0.7	4.65	312
180970078	2013	2	15	20	V	0.02	0.9	3.61	302
180970078	2013	2	15	21	V	0.02	0.8	3.63	304
180970078	2013	2	15	22	V	0.05	0.8	2.47	293

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	15	23	V	0.06	1.1	2.33	279
180970078	2013	2	15	24	V	0.5	1.5	2.01	250
180970078	2013	2	16	1	V	0.5	1.5	2.55	247
180970078	2013	2	16	2	V	0.2	1.2	2.69	233
180970078	2013	2	16	3	V	0.3	1	3.13	246
180970078	2013	2	16	4	V	0.02	0.8	3.93	291
180970078	2013	2	16	5	V	0.02	0.8	4.42	301
180970078	2013	2	16	6	V	0.02	0.6	4.24	295
180970078	2013	2	16	7	V	0.04	0.6	4.34	301
180970078	2013	2	16	8	V	0.04	0.8	4.95	300
180970078	2013	2	16	9	V	0.03	1	5.73	322
180970078	2013	2	16	10	V	0.02	0.9	6.45	309
180970078	2013	2	16	11	V	0.02	0.7	6.45	298
180970078	2013	2	16	12	V	0.01	0.7	7.23	294
180970078	2013	2	16	13	V	0.01	0.6	7.35	297
180970078	2013	2	16	14	V	0.01	0.7	7.59	291
180970078	2013	2	16	15	V	0.01	0.6	7.94	300
180970078	2013	2	16	16	V	0.03	0.7	8.22	293
180970078	2013	2	16	17	V	0.02	0.8	8.39	292
180970078	2013	2	16	18	V	0.03	0.6	6.65	297
180970078	2013	2	16	19	V	0.02	0.6	6.48	302
180970078	2013	2	16	20	V	0.03	0.6	4.46	299
180970078	2013	2	16	21	V	0.03	0.6	3.32	304
180970078	2013	2	16	22	V	0.03	0.6	3.25	293
180970078	2013	2	16	23	V	0.03	0.6	3.49	307
180970078	2013	2	16	24	V	0.03	0.6	4.15	308
180970078	2013	2	17	1	V	0.04	0.6	4.19	334
180970078	2013	2	17	2	V	0.03	0.6	5.19	327
180970078	2013	2	17	3	V	0.02	0.5	4.24	321
180970078	2013	2	17	4	V	0.02	0.6	3.51	323
180970078	2013	2	17	5	V	0.04	0.5	2.89	335
180970078	2013	2	17	6	V	0.07	0.6	2.23	324
180970078	2013	2	17	7	V	0.05	0.5	2.22	340
180970078	2013	2	17	8	V	0.6	0.6	1.81	321
180970078	2013	2	17	9	V	1.4	0.9	1.52	297
180970078	2013	2	17	10	V	2.8	1.9	0.94	333
180970078	2013	2	17	11	V	1.5	1.9	1.28	144
180970078	2013	2	17	12	V	0.4	1.6	2.33	177
180970078	2013	2	17	13	V	0.1	2.9	3.61	167
180970078	2013	2	17	14	V	0.2	3.1	2.76	183
180970078	2013	2	17	15	V	19.6	17.7	2.72	210
180970078	2013	2	17	16	V	7.4	21.5	2.4	225
180970078	2013	2	17	17	V	0.2	21.4	2.45	234
180970078	2013	2	17	18	V	3.2	11.8	1.82	203
180970078	2013	2	17	19	V	0.05	8.9	2.33	135
180970078	2013	2	17	20	V	0.04	5.3	2.66	124

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	17	21	V	0.03	1.7	3.64	131
180970078	2013	2	17	22	V	0.03	1.6	3.47	120
180970078	2013	2	17	23	V	0.03	1.3	4.22	126
180970078	2013	2	17	24	V	0.03	1.1	4.78	141
180970078	2013	2	18	1	V	0.03	1.7	5.31	137
180970078	2013	2	18	2	V	0.02	2.2	5.87	138
180970078	2013	2	18	3	V	0.02	2	6.52	139
180970078	2013	2	18	4	V	0.02	1.9	6.92	139
180970078	2013	2	18	5	V	0.03	1.6	5.94	141
180970078	2013	2	18	6	V	0.03	1.6	5.99	142
180970078	2013	2	18	7	V	0.04	1.9	5.8	144
180970078	2013	2	18	8	V	0.05	2.1	4.7	143
180970078	2013	2	18	9	V	0.08	2.1	4.43	143
180970078	2013	2	18	10	V	0.03	2.5	5.99	168
180970078	2013	2	18	11	V	0.02	2.8	7.38	188
180970078	2013	2	18	12	V	0.01	3.4	8.88	188
180970078	2013	2	18	13	V	0.02	3.9	8.64	191
180970078	2013	2	18	14	V	0.08	3.7	10.19	197
180970078	2013	2	18	15	V	0.01	3	11.5	193
180970078	2013	2	18	16	V	0.2	2.5	10.88	194
180970078	2013	2	18	17	V	0.04	2.1	10.41	189
180970078	2013	2	18	18	V	1.6	3.8	12.24	199
180970078	2013	2	18	19	V	7.0	11.4	11.41	203
180970078	2013	2	18	20	V	0.05	2.9	7.31	171
180970078	2013	2	18	21	V	0.04	2.4	10.02	180
180970078	2013	2	18	22	V	0.04	1.4	11.57	172
180970078	2013	2	18	23	V	0.04	1	12.11	173
180970078	2013	2	18	24	V	0.03	1	12.45	180
180970078	2013	2	19	1	V	0.05	1	11.46	192
180970078	2013	2	19	2	V	0.03	1	12.19	269
180970078	2013	2	19	3	V	0.03	0.7	11.34	267
180970078	2013	2	19	4	V	0.03	0.7	11.43	266
180970078	2013	2	19	5	V	0.03	0.7	12.55	269
180970078	2013	2	19	6	V	0.03	0.8	11.48	268
180970078	2013	2	19	7	V	0.03	0.8	10.24	266
180970078	2013	2	19	8	V	0.01	0.9	11.14	275
180970078	2013	2	19	9	V	0.01	0.8	8.98	263
180970078	2013	2	19	10	V	0.01	0.7	12.11	262
180970078	2013	2	19	11	V	0.01	0.7	10.17	261
180970078	2013	2	19	12	V	0.01	0.8	10.02	265
180970078	2013	2	19	13	V	0.01	0.7	11.41	265
180970078	2013	2	19	14	V	0.01	0.7	11.34	261
180970078	2013	2	19	15	V	0.01	0.8	11.31	267
180970078	2013	2	19	16	V	0.04	0.8	11.28	263
180970078	2013	2	19	17	V	0.04	0.8	11.67	269
180970078	2013	2	19	18	V	0.04	0.6	11.72	270

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	19	19	V	0.04	0.6	10.46	270
180970078	2013	2	19	20	V	0.04	0.7	10.41	276
180970078	2013	2	19	21	V	0.04	0.7	9.81	269
180970078	2013	2	19	22	V	0.04	0.7	9.8	274
180970078	2013	2	19	23	V	0.03	0.7	9.92	276
180970078	2013	2	19	24	V	0.04	0.6	10	276
180970078	2013	2	20	1	V	0.04	0.7	9.34	288
180970078	2013	2	20	2	V	0.04	0.6	8.37	288
180970078	2013	2	20	3	V	0.04	0.6	7.84	290
180970078	2013	2	20	4	V	0.04	0.6	7.65	295
180970078	2013	2	20	5	V	0.04	0.5	6.24	306
180970078	2013	2	20	6	V	0.04	0.5	6.65	303
180970078	2013	2	20	7	V	0.07	0.6	5.6	305
180970078	2013	2	20	8	V	0.06	0.5	5.21	311
180970078	2013	2	20	9	V	0.06	0.6	5.46	309
180970078	2013	2	20	10	V	0.08	0.9	5.33	315
180970078	2013	2	20	11	V	0.1	1.5	4.2	300
180970078	2013	2	20	12	V	0.1	1.3	4.14	281
180970078	2013	2	20	13	V	0.1	0.7	4.32	280
180970078	2013	2	20	14	V	0.08	0.6	4.76	287
180970078	2013	2	20	15	V	0.03	0.6	5.65	280
180970078	2013	2	20	16	V	0.07	0.6	5.19	297
180970078	2013	2	20	17	V	0.05	0.6	5.43	308
180970078	2013	2	20	18	V	0.05	0.6	4.65	313
180970078	2013	2	20	19	V	0.05	0.5	4.56	325
180970078	2013	2	20	20	V	0.06	0.8	4.37	336
180970078	2013	2	20	21	V	0.06	0.7	3.98	352
180970078	2013	2	20	22	V	0.06	0.5	4.02	11
180970078	2013	2	20	23	V	0.05	0.5	3.61	30
180970078	2013	2	20	24	V	0.07	0.6	2.44	25
180970078	2013	2	21	1	V	0.05	0.6	3.05	26
180970078	2013	2	21	2	V	0.1	0.5	2.04	19
180970078	2013	2	21	3	V	0.05	0.6	2.67	17
180970078	2013	2	21	4	V	0.08	0.6	2.05	356
180970078	2013	2	21	5	V	0.05	0.6	2.91	29
180970078	2013	2	21	6	V	0.05	0.5	3.91	19
180970078	2013	2	21	7	V	0.07	0.5	3.13	8
180970078	2013	2	21	8	V	0.09	0.5	4.27	46
180970078	2013	2	21	9	V	0.07	0.5	4.87	52
180970078	2013	2	21	10	V	0.1	0.5	4.39	72
180970078	2013	2	21	11	V	0.09	0.6	5.04	72
180970078	2013	2	21	12	V	0.09	0.7	4.8	84
180970078	2013	2	21	13	V	0.06	0.7	4.82	101
180970078	2013	2	21	14	V	0.02	0.7	6.24	90
180970078	2013	2	21	15	V	0.01	0.7	7.5	85
180970078	2013	2	21	16	V	0.06	0.7	6.12	97

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	21	17	V	0.05	0.6	6.57	74
180970078	2013	2	21	18	V	0.05	0.6	6.81	88
180970078	2013	2	21	19	V	0.05	0.6	5.65	101
180970078	2013	2	21	20	V	0.05	0.6	6.67	93
180970078	2013	2	21	21	V	0.04	0.6	8.16	98
180970078	2013	2	21	22	V	0.05	0.5	9.17	89
180970078	2013	2	21	23	V	0.04	0.6	8.28	95
180970078	2013	2	21	24	V	0.04	0.6	8.39	104
180970078	2013	2	22	1	V	0.04	0.6	9.07	106
180970078	2013	2	22	2	V	0.03	0.7	8.44	103
180970078	2013	2	22	3	V	0.03	0.7	7.47	112
180970078	2013	2	22	4	V	0.04	0.8	6.43	119
180970078	2013	2	22	5	V	0.04	1.2	5.17	123
180970078	2013	2	22	6	V	0.05	1.7	4.36	119
180970078	2013	2	22	7	V	0.06	1.9	3.47	121
180970078	2013	2	22	8	V	0.1	1.5	3.73	141
180970078	2013	2	22	9	V	0.2	1.1	3.88	149
180970078	2013	2	22	10	V	0.2	1	3.9	171
180970078	2013	2	22	11	V	4.4	0.9	4.58	200
180970078	2013	2	22	12	V	4.7	3.3	6.01	223
180970078	2013	2	22	13	V	3.2	3.4	6.5	224
180970078	2013	2	22	14	V	2.6	2.1	6.04	225
180970078	2013	2	22	15	V	4.4	2	5.48	223
180970078	2013	2	22	16	V	6.5	2.7	5.82	225
180970078	2013	2	22	17	V	13.8	2.7	5.44	221
180970078	2013	2	22	18	V	32.3	4.2	4.83	216
180970078	2013	2	22	19	V	14.8	5.9	4.99	221
180970078	2013	2	22	20	V	14.9	6.6	4.75	221
180970078	2013	2	22	21	V	0.1	3.2	7.04	238
180970078	2013	2	22	22	V	0.05	2	5.97	266
180970078	2013	2	22	23	V	0.05	1.5	5.26	280
180970078	2013	2	22	24	V	0.05	1.4	5.36	278
180970078	2013	2	23	1	V	0.05	1.6	5.53	281
180970078	2013	2	23	2	V	0.05	1.5	5.33	274
180970078	2013	2	23	3	V	0.05	1.4	5.48	270
180970078	2013	2	23	4	V	0.07	1.2	3.93	258
180970078	2013	2	23	5	V	0.2	1.2	4.03	243
180970078	2013	2	23	6	V	0.2	1.1	3.54	243
180970078	2013	2	23	7	V	0.2	1.4	3.63	244
180970078	2013	2	23	8	V	0.3	1.7	3.8	238
180970078	2013	2	23	9	V	0.2	2.3	3.71	249
180970078	2013	2	23	10	V	0.2	2.8	3.4	263
180970078	2013	2	23	11	V	0.1	2.5	4.25	280
180970078	2013	2	23	12	V	0.08	2.3	3.92	269
180970078	2013	2	23	13	V	0.1	2.2	4.03	251
180970078	2013	2	23	14	V	0.2	2.2	3.78	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	23	15	V	0.1	2.2	4.46	240
180970078	2013	2	23	16	V	0.04	1.8	4.94	244
180970078	2013	2	23	17	V	0.1	1.9	4.6	240
180970078	2013	2	23	18	V	0.1	3.9	4.32	257
180970078	2013	2	23	19	V	0.05	4.7	3.66	284
180970078	2013	2	23	20	V	0.05	1.6	4.42	305
180970078	2013	2	23	21	V	0.05	1.2	3.78	302
180970078	2013	2	23	22	V	0.05	1	4.29	299
180970078	2013	2	23	23	V	0.05	0.9	2.98	294
180970078	2013	2	23	24	V	0.08	1	2.42	292
180970078	2013	2	24	1	V	0.05	1.2	3.93	299
180970078	2013	2	24	2	V	0.05	1.1	4.15	301
180970078	2013	2	24	3	V	0.05	0.9	3.15	312
180970078	2013	2	24	4	V	0.1	0.7	2.06	287
180970078	2013	2	24	5	V	0.1	0.7	2.11	270
180970078	2013	2	24	6	V	0.1	0.7	2.08	270
180970078	2013	2	24	7	V	0.3	0.7	2.55	247
180970078	2013	2	24	8	V	0.9	0.7	2.04	251
180970078	2013	2	24	9	V	1.4	0.9	1.86	254
180970078	2013	2	24	10	V	0.5	1.4	2.57	320
180970078	2013	2	24	11	V	0.7	1.5	2.2	304
180970078	2013	2	24	12	V	0.5	1.9	2.55	283
180970078	2013	2	24	13	V	0.2	2	3.63	284
180970078	2013	2	24	14	V	0.1	2	4.32	293
180970078	2013	2	24	15	V	0.2	1.7	2.91	295
180970078	2013	2	24	16	V	0.02	1.6	3.25	299
180970078	2013	2	24	17	V	0.05	1.6	3.15	317
180970078	2013	2	24	18	V	0.06	1.6	2.98	328
180970078	2013	2	24	19	V	0.08	1.4	2.3	339
180970078	2013	2	24	20	V	0.1	1	2.23	7
180970078	2013	2	24	21	V	0.1	0.9	2.05	24
180970078	2013	2	24	22	V	0.06	1	2.78	55
180970078	2013	2	24	23	V	0.07	1.4	2.44	80
180970078	2013	2	24	24	V	0.07	0.9	2.56	66
180970078	2013	2	25	1	V	0.06	0.7	2.71	78
180970078	2013	2	25	2	V	0.04	0.7	3.03	68
180970078	2013	2	25	3	V	0.06	0.7	2.61	77
180970078	2013	2	25	4	V	0.05	0.6	2.93	75
180970078	2013	2	25	5	V	0.07	0.8	2.62	89
180970078	2013	2	25	6	V	0.07	0.7	2.54	94
180970078	2013	2	25	7	V	0.1	1.2	2.74	95
180970078	2013	2	25	8	V	0.5	1.5	2.79	78
180970078	2013	2	25	9	V	0.2	4.7	4.02	90
180970078	2013	2	25	10	V	0.1	24.8	4.99	113
180970078	2013	2	25	11	V	0.03	8.5	6.96	109
180970078	2013	2	25	12	V	0.03	4.3	6.75	113

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	25	13	V	0.04	2.8	6.4	106
180970078	2013	2	25	14	V	0.04	2.7	6.02	101
180970078	2013	2	25	15	V	0.03	2.3	5.99	88
180970078	2013	2	25	16	V	0.02	1.6	6.06	82
180970078	2013	2	25	17	V	0.05	1.5	6.41	72
180970078	2013	2	25	18	V	0.05	1.6	6.5	70
180970078	2013	2	25	19	V	0.05	1.5	6.21	78
180970078	2013	2	25	20	V	0.05	1.3	7.43	70
180970078	2013	2	25	21	V	0.05	1.1	7.33	70
180970078	2013	2	25	22	V	0.05	1.1	5.99	78
180970078	2013	2	25	23	V	0.05	1.1	7.06	77
180970078	2013	2	25	24	V	0.04	1.2	7.01	77
180970078	2013	2	26	1	V	0.04	1.5	6.43	80
180970078	2013	2	26	2	V	0.04	1.8	7.77	73
180970078	2013	2	26	3	V	0.04	1.8	8.2	66
180970078	2013	2	26	4	V	0.04	2	8.81	66
180970078	2013	2	26	5	V	0.04	2	8.79	65
180970078	2013	2	26	6	V	0.04	2.2	7.69	70
180970078	2013	2	26	7	V	0.06	1.3	6.28	52
180970078	2013	2	26	8	V	0.01	1.2	9.7	54
180970078	2013	2	26	9	V	0.01	1.3	10.32	61
180970078	2013	2	26	10	V	0.03	1.3	6.28	73
180970078	2013	2	26	11	V	0.05	1.2	5.5	65
180970078	2013	2	26	12	V	0.04	1.1	6.07	66
180970078	2013	2	26	13	V	0.03	1.1	6.36	72
180970078	2013	2	26	14	V	0.04	1.2	5.96	80
180970078	2013	2	26	15	V	0.2	1.2	3.42	83
180970078	2013	2	26	16	V	0.09	1.1	1.72	76
180970078	2013	2	26	17	V	0.1	1.2	1.98	50
180970078	2013	2	26	18	V	0.4	1.2	1.33	189
180970078	2013	2	26	19	V	0.1	1.3	2.1	195
180970078	2013	2	26	20	V	15.6	1.4	2.89	221
180970078	2013	2	26	21	V	14.9	1.3	4.03	221
180970078	2013	2	26	22	V	6.1	1.1	5.16	225
180970078	2013	2	26	23	V	6.4	1.3	6.97	224
180970078	2013	2	26	24	V	12.0	1.2	6.77	221
180970078	2013	2	27	1	V	7.8	1.9	7.2	223
180970078	2013	2	27	2	V	28.8	4.3	7.03	213
180970078	2013	2	27	3	V	19.9	10.1	6.72	218
180970078	2013	2	27	4	V	12.3	8.6	6.33	221
180970078	2013	2	27	5	V	1.6	4.3	9.67	229
180970078	2013	2	27	6	V	0.2	2.7	8.91	235
180970078	2013	2	27	7	V	0.2	1.9	7.21	237
180970078	2013	2	27	8	V	0.05	-999	7.45	236
180970078	2013	2	27	9	V	0.1	-999	7.25	234
180970078	2013	2	27	10	V	0.02	1.8	7.88	236

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	2	27	11	V	0.3	1.9	7.28	231
180970078	2013	2	27	12	V	1.9	2.2	8.49	225
180970078	2013	2	27	13	V	0.5	2	9.61	229
180970078	2013	2	27	14	V	0.7	2.1	9.32	228
180970078	2013	2	27	15	V	0.06	1.5	8.1	233
180970078	2013	2	27	16	V	0.1	1.3	7.55	238
180970078	2013	2	27	17	V	0.1	1.3	6.24	240
180970078	2013	2	27	18	V	0.1	1.2	6.46	241
180970078	2013	2	27	19	V	0.1	1.1	6.96	254
180970078	2013	2	27	20	V	0.2	1.3	6.79	250
180970078	2013	2	27	21	V	0.2	1.3	6.87	250
180970078	2013	2	27	22	V	0.1	1.4	7.25	256
180970078	2013	2	27	23	V	0.2	1.4	7.94	251
180970078	2013	2	27	24	V	0.2	1.4	7.65	252
180970078	2013	2	28	1	V	0.1	1.2	7.5	255
180970078	2013	2	28	2	V	0.09	1.2	6.87	257
180970078	2013	2	28	3	V	0.04	1.2	7.23	263
180970078	2013	2	28	4	V	0.04	1.2	7.04	267
180970078	2013	2	28	5	V	0.05	1	6.4	262
180970078	2013	2	28	6	V	0.05	0.9	6.02	267
180970078	2013	2	28	7	V	0.06	1	5.73	271
180970078	2013	2	28	8	V	0.05	1	5.41	271
180970078	2013	2	28	9	V	0.04	1	5.94	280
180970078	2013	2	28	10	V	0.05	1.1	5.97	289
180970078	2013	2	28	11	V	0.02	1.3	6.45	295
180970078	2013	2	28	12	V	0.03	1.4	6.23	300
180970078	2013	2	28	13	V	0.03	1.5	6.33	305
180970078	2013	2	28	14	V	0.02	1.6	6.41	308
180970078	2013	2	28	15	V	0.02	1.7	6.45	311
180970078	2013	2	28	16	V	0.06	1.7	5.9	305
180970078	2013	2	28	17	V	0.05	1.6	6.18	299
180970078	2013	2	28	18	V	0.05	1.3	5.85	299
180970078	2013	2	28	19	V	0.05	0.9	6.06	301
180970078	2013	2	28	20	V	0.04	0.9	6.82	321
180970078	2013	2	28	21	V	0.05	0.8	6.86	334
180970078	2013	2	28	22	V	0.05	0.8	5.5	334
180970078	2013	2	28	23	V	0.05	0.8	5.14	338
180970078	2013	2	28	24	V	0.06	0.8	4.66	331
180970078	2013	3	1	1	V	0.05	1	3.61	320
180970078	2013	3	1	2	V	0.05	0.9	4.92	320
180970078	2013	3	1	3	V	0.05	0.8	4.93	318
180970078	2013	3	1	4	V	0.05	0.8	4.46	315
180970078	2013	3	1	5	V	0.05	0.8	4.9	325
180970078	2013	3	1	6	V	0.05	0.8	4.85	323
180970078	2013	3	1	7	V	0.07	0.8	4.59	326
180970078	2013	3	1	8	V	0.1	0.7	4.48	323

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	1	9	V	0.1	0.8	4.42	325
180970078	2013	3	1	10	V	0.07	0.9	4.51	321
180970078	2013	3	1	11	V	0.09	1	4.36	312
180970078	2013	3	1	12	V	0.1	1	4.03	314
180970078	2013	3	1	13	V	0.1	0.9	3.73	316
180970078	2013	3	1	14	V	0.1	0.8	3.52	312
180970078	2013	3	1	15	V	0.06	0.8	4.12	15
180970078	2013	3	1	16	V	0.07	0.8	4.87	20
180970078	2013	3	1	17	V	0.06	0.9	4.32	14
180970078	2013	3	1	18	V	0.06	0.8	4.9	10
180970078	2013	3	1	19	V	0.06	0.8	4.63	23
180970078	2013	3	1	20	V	0.06	0.7	4.75	22
180970078	2013	3	1	21	V	0.06	0.7	3.8	17
180970078	2013	3	1	22	V	0.06	0.8	4.61	10
180970078	2013	3	1	23	V	0.06	0.7	4.51	10
180970078	2013	3	1	24	V	0.06	0.7	3.86	16
180970078	2013	3	2	1	V	0.06	0.7	4.15	21
180970078	2013	3	2	2	V	0.06	0.6	4.68	27
180970078	2013	3	2	3	V	0.06	0.6	4.68	33
180970078	2013	3	2	4	V	0.06	0.7	4.7	25
180970078	2013	3	2	5	V	0.06	0.6	4.31	10
180970078	2013	3	2	6	V	0.06	0.6	4.82	10
180970078	2013	3	2	7	V	0.07	0.6	5.24	5
180970078	2013	3	2	8	V	0.05	0.6	5.21	356
180970078	2013	3	2	9	V	0.05	0.7	4.68	9
180970078	2013	3	2	10	V	0.05	0.6	4.87	2
180970078	2013	3	2	11	V	0.05	0.7	4.9	4
180970078	2013	3	2	12	V	0.05	0.7	4.83	346
180970078	2013	3	2	13	V	0.05	0.7	4.82	353
180970078	2013	3	2	14	V	0.03	0.7	5.6	342
180970078	2013	3	2	15	V	0.03	0.7	5.38	326
180970078	2013	3	2	16	V	0.07	0.7	5.34	327
180970078	2013	3	2	17	V	0.05	0.8	5.44	323
180970078	2013	3	2	18	V	0.06	0.8	5	335
180970078	2013	3	2	19	V	0.05	0.7	5.28	311
180970078	2013	3	2	20	V	0.05	0.7	4.65	308
180970078	2013	3	2	21	V	0.05	0.8	5.43	309
180970078	2013	3	2	22	V	0.05	0.8	5.62	314
180970078	2013	3	2	23	V	0.05	-999	4.88	312
180970078	2013	3	2	24	V	0.05	-999	5.17	310
180970078	2013	3	3	1	V	0.05	0.8	5.51	311
180970078	2013	3	3	2	V	0.05	0.9	4.99	319
180970078	2013	3	3	3	V	0.05	0.8	4.66	309
180970078	2013	3	3	4	V	0.05	0.8	5.02	308
180970078	2013	3	3	5	V	0.05	1.1	4.07	304
180970078	2013	3	3	6	V	0.05	1.4	3.57	297

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	3	7	V	0.08	1.1	3.9	297
180970078	2013	3	3	8	V	0.2	1	3.85	300
180970078	2013	3	3	9	V	0.1	1.1	4.29	297
180970078	2013	3	3	10	V	0.1	1.4	4.75	309
180970078	2013	3	3	11	V	0.05	1.8	5.84	314
180970078	2013	3	3	12	V	0.07	1.8	4.8	298
180970078	2013	3	3	13	V	0.06	1.8	4.02	310
180970078	2013	3	3	14	V	0.05	1.7	4.54	313
180970078	2013	3	3	15	V	0.04	1.6	4.56	312
180970078	2013	3	3	16	V	0.03	1.4	4.41	317
180970078	2013	3	3	17	V	0.05	1.5	3.9	318
180970078	2013	3	3	18	V	0.05	1.5	3.42	330
180970078	2013	3	3	19	V	0.05	1.2	2.86	335
180970078	2013	3	3	20	V	0.1	1	2.03	341
180970078	2013	3	3	21	V	0.2	1	1.86	360
180970078	2013	3	3	22	V	0.7	1.5	1.11	342
180970078	2013	3	3	23	V	0.7	1.3	1.14	263
180970078	2013	3	3	24	V	0.4	1.3	1.43	242
180970078	2013	3	4	1	V	0.7	1.7	1.3	252
180970078	2013	3	4	2	V	0.3	2.1	1.72	242
180970078	2013	3	4	3	V	1.1	3.2	0.97	260
180970078	2013	3	4	4	V	2.6	4.4	0.57	289
180970078	2013	3	4	5	V	1.1	4.8	0.94	45
180970078	2013	3	4	6	V	0.2	4.8	1.65	109
180970078	2013	3	4	7	V	0.8	5.1	1.81	108
180970078	2013	3	4	8	V	0.6	6	2.3	97
180970078	2013	3	4	9	V	0.3	3.5	2.96	122
180970078	2013	3	4	10	V	0.1	1.8	4.58	142
180970078	2013	3	4	11	V	0.05	1.9	5.95	142
180970078	2013	3	4	12	V	0.04	2.5	5.67	135
180970078	2013	3	4	13	V	0.05	2.7	5.46	124
180970078	2013	3	4	14	V	0.03	4.2	5.53	131
180970078	2013	3	4	15	V	0.02	5.6	6.23	121
180970078	2013	3	4	16	V	0.06	4.1	6.13	114
180970078	2013	3	4	17	V	0.05	4.7	5.36	114
180970078	2013	3	4	18	V	0.05	3.2	6.23	107
180970078	2013	3	4	19	V	0.05	3.8	5.72	97
180970078	2013	3	4	20	V	0.05	8.2	6.11	101
180970078	2013	3	4	21	V	0.06	6.1	4.68	96
180970078	2013	3	4	22	V	0.06	3.3	4.41	87
180970078	2013	3	4	23	V	0.06	3.7	4.71	87
180970078	2013	3	4	24	V	0.05	8.4	5.65	79
180970078	2013	3	5	1	V	0.05	11.5	5.61	74
180970078	2013	3	5	2	V	0.05	9.4	5.51	77
180970078	2013	3	5	3	V	0.05	7.3	5.04	86
180970078	2013	3	5	4	V	0.05	6.7	5.45	83

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	5	5	V	0.05	6.8	5.51	93
180970078	2013	3	5	6	V	0.05	6.1	5	96
180970078	2013	3	5	7	V	0.09	3.7	4.56	95
180970078	2013	3	5	8	V	0.08	3	4.65	93
180970078	2013	3	5	9	V	0.1	2.9	4.19	89
180970078	2013	3	5	10	V	0.07	2.7	4.97	86
180970078	2013	3	5	11	V	0.04	3	5.82	91
180970078	2013	3	5	12	V	0.07	3.2	5.24	96
180970078	2013	3	5	13	V	0.1	1.9	4.58	90
180970078	2013	3	5	14	V	0.1	1.7	4.27	86
180970078	2013	3	5	15	V	0.2	1.6	3.76	83
180970078	2013	3	5	16	V	0.1	1.4	2.42	86
180970078	2013	3	5	17	V	0.08	1.2	2.25	312
180970078	2013	3	5	18	V	0.06	1.1	3.18	288
180970078	2013	3	5	19	V	0.05	1.1	5.96	276
180970078	2013	3	5	20	V	0.04	1	8.61	279
180970078	2013	3	5	21	V	0.04	0.8	9.73	282
180970078	2013	3	5	22	V	0.04	0.9	8.17	289
180970078	2013	3	5	23	V	0.05	1	6.35	312
180970078	2013	3	5	24	V	0.04	0.9	5.99	326
180970078	2013	3	6	1	V	0.04	1	7.01	321
180970078	2013	3	6	2	V	0.04	0.9	7.74	326
180970078	2013	3	6	3	V	0.04	0.9	8.39	329
180970078	2013	3	6	4	V	0.05	1	9.49	337
180970078	2013	3	6	5	V	0.04	0.9	8	340
180970078	2013	3	6	6	V	0.05	0.9	8.01	332
180970078	2013	3	6	7	V	0.05	0.8	9.9	340
180970078	2013	3	6	8	V	0.01	0.7	8.33	347
180970078	2013	3	6	9	V	0.02	0.7	7.83	344
180970078	2013	3	6	10	V	0.01	0.8	7.38	342
180970078	2013	3	6	11	V	0.02	0.8	7.21	341
180970078	2013	3	6	12	V	0.02	0.9	7.11	340
180970078	2013	3	6	13	V	0.03	1	5.92	326
180970078	2013	3	6	14	V	0.03	0.9	6.06	312
180970078	2013	3	6	15	V	0.02	0.9	6.43	308
180970078	2013	3	6	16	V	0.07	1.1	5.78	306
180970078	2013	3	6	17	V	0.05	1	5.46	296
180970078	2013	3	6	18	V	0.05	0.9	5.8	295
180970078	2013	3	6	19	V	0.05	0.8	5.24	293
180970078	2013	3	6	20	V	0.05	0.8	5.73	292
180970078	2013	3	6	21	V	0.05	0.7	5.56	297
180970078	2013	3	6	22	V	0.05	0.7	4.6	288
180970078	2013	3	6	23	V	0.06	0.7	4.27	294
180970078	2013	3	6	24	V	0.05	0.7	3.78	301
180970078	2013	3	7	1	V	0.06	0.6	3.71	301
180970078	2013	3	7	2	V	0.06	0.7	4	294

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	7	3	V	0.05	0.7	4.12	293
180970078	2013	3	7	4	V	0.05	0.7	4.32	299
180970078	2013	3	7	5	V	0.05	0.7	4.54	300
180970078	2013	3	7	6	V	0.05	0.7	4.75	307
180970078	2013	3	7	7	V	0.09	0.7	4.05	313
180970078	2013	3	7	8	V	0.2	0.8	3.46	302
180970078	2013	3	7	9	V	0.6	1	2.16	293
180970078	2013	3	7	10	V	0.5	1.4	2.47	302
180970078	2013	3	7	11	V	0.8	2	2.05	294
180970078	2013	3	7	12	V	0.6	2.5	2.42	274
180970078	2013	3	7	13	V	0.5	2.7	2.44	283
180970078	2013	3	7	14	V	0.6	2.4	2.33	291
180970078	2013	3	7	15	V	0.2	1.7	2.66	289
180970078	2013	3	7	16	V	0.1	1.5	3.15	307
180970078	2013	3	7	17	V	0.06	1.3	3.25	321
180970078	2013	3	7	18	V	0.1	1.1	2.01	318
180970078	2013	3	7	19	V	0.2	1	1.89	329
180970078	2013	3	7	20	V	0.07	0.9	2.32	335
180970078	2013	3	7	21	V	0.07	0.9	2.32	12
180970078	2013	3	7	22	V	0.1	0.9	1.98	45
180970078	2013	3	7	23	V	0.08	0.8	2.28	23
180970078	2013	3	7	24	V	0.1	0.7	1.89	32
180970078	2013	3	8	1	V	0.2	0.8	1.55	27
180970078	2013	3	8	2	V	0.1	0.7	1.64	331
180970078	2013	3	8	3	V	0.1	0.6	1.93	1
180970078	2013	3	8	4	V	0.06	0.8	2.25	351
180970078	2013	3	8	5	V	0.06	0.9	2.42	332
180970078	2013	3	8	6	V	0.1	0.9	2.18	4
180970078	2013	3	8	7	V	0.3	1.3	2.84	45
180970078	2013	3	8	8	V	0.5	0.9	2.95	39
180970078	2013	3	8	9	V	0.2	1.1	3.34	41
180970078	2013	3	8	10	V	0.5	1.3	2.33	59
180970078	2013	3	8	11	V	0.2	1.4	3.3	88
180970078	2013	3	8	12	V	0.1	1.1	3.37	104
180970078	2013	3	8	13	V	0.4	1	2.42	125
180970078	2013	3	8	14	V	0.3	0.9	2.5	138
180970078	2013	3	8	15	V	0.2	0.9	2.71	98
180970078	2013	3	8	16	V	0.08	1	3.17	98
180970078	2013	3	8	17	V	0.05	1.1	3.9	85
180970078	2013	3	8	18	V	0.05	1.1	4.34	94
180970078	2013	3	8	19	V	0.05	1	3.69	109
180970078	2013	3	8	20	V	0.05	0.8	3.12	93
180970078	2013	3	8	21	V	0.04	0.8	3.69	81
180970078	2013	3	8	22	V	0.04	0.7	3.74	90
180970078	2013	3	8	23	V	0.05	0.5	3.15	92
180970078	2013	3	8	24	V	0.05	0.6	3.34	87

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	9	1	V	0.05	0.7	3.39	101
180970078	2013	3	9	2	V	0.05	1	3.39	115
180970078	2013	3	9	3	V	0.04	0.9	4.02	113
180970078	2013	3	9	4	V	0.05	1	3.37	106
180970078	2013	3	9	5	V	0.05	1.3	4.71	99
180970078	2013	3	9	6	V	0.06	1.8	4.07	114
180970078	2013	3	9	7	V	0.3	4.3	3.17	147
180970078	2013	3	9	8	V	0.3	6	3.57	133
180970078	2013	3	9	9	V	0.1	11.3	4.46	125
180970078	2013	3	9	10	V	0.07	14.3	5.43	132
180970078	2013	3	9	11	V	0.03	8.7	6.53	143
180970078	2013	3	9	12	V	0.02	5.4	6.23	148
180970078	2013	3	9	13	V	0.03	4.7	5.94	137
180970078	2013	3	9	14	V	0.02	5	5.99	137
180970078	2013	3	9	15	V	0.03	4.8	5.36	139
180970078	2013	3	9	16	V	0.02	4.2	6.07	133
180970078	2013	3	9	17	V	0.05	5.3	6.16	136
180970078	2013	3	9	18	V	0.05	5.3	5.99	141
180970078	2013	3	9	19	V	0.05	2.5	5.22	141
180970078	2013	3	9	20	V	0.05	2.6	5.39	144
180970078	2013	3	9	21	V	0.05	2.5	5.72	149
180970078	2013	3	9	22	V	0.05	2	5.68	151
180970078	2013	3	9	23	V	0.05	-999	6.06	157
180970078	2013	3	9	24	V	0.05	-999	4.99	159
180970078	2013	3	10	1	V	0.05	1.6	4.99	150
180970078	2013	3	10	2	V	0.05	1.9	4.41	149
180970078	2013	3	10	3	V	0.05	2	4.42	164
180970078	2013	3	10	4	V	0.04	1.9	6.23	178
180970078	2013	3	10	5	V	0.04	2.1	6.86	178
180970078	2013	3	10	6	V	0.03	2.1	7.03	180
180970078	2013	3	10	7	V	0.02	2	6.04	180
180970078	2013	3	10	8	V	0.02	1.9	6.11	166
180970078	2013	3	10	9	V	0.04	2	5.33	157
180970078	2013	3	10	10	V	0.02	2.1	6.4	171
180970078	2013	3	10	11	V	0.02	2.3	7.46	182
180970078	2013	3	10	12	V	0.01	2.3	7.96	175
180970078	2013	3	10	13	V	0.01	2	10.06	169
180970078	2013	3	10	14	V	0.01	1.7	9.06	156
180970078	2013	3	10	15	V	0.01	1.6	9.06	170
180970078	2013	3	10	16	V	0.01	1.7	8.96	168
180970078	2013	3	10	17	V	0.04	1.7	7.46	158
180970078	2013	3	10	18	V	0.04	1.6	5.96	124
180970078	2013	3	10	19	V	0.04	1.6	6.96	146
180970078	2013	3	10	20	V	0.05	1.4	5.36	159
180970078	2013	3	10	21	V	0.04	1.4	8.46	166
180970078	2013	3	10	22	V	0.04	1.6	6.46	167

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	10	23	V	0.04	1.9	6.99	169
180970078	2013	3	10	24	V	0.04	1.8	8.27	179
180970078	2013	3	11	1	V	0.04	1.6	7.52	187
180970078	2013	3	11	2	V	0.05	1.4	6.5	192
180970078	2013	3	11	3	V	0.04	1.1	6.14	184
180970078	2013	3	11	4	V	0.04	0.6	6.58	178
180970078	2013	3	11	5	V	0.04	0	5.72	180
180970078	2013	3	11	6	V	0.08	0	4.59	194
180970078	2013	3	11	7	V	18.7	0	4.41	218
180970078	2013	3	11	8	V	21.6	-999	5.33	210
180970078	2013	3	11	9	V	0.03	-999	5.39	188
180970078	2013	3	11	10	V	0.05	-999	4.88	191
180970078	2013	3	11	11	V	0.02	-999	8.52	242
180970078	2013	3	11	12	V	0.04	-999	7.45	235
180970078	2013	3	11	13	V	0.03	-999	8.71	250
180970078	2013	3	11	14	V	0.01	-999	9.44	243
180970078	2013	3	11	15	V	0.01	-999	10.1	244
180970078	2013	3	11	16	V	0.09	-999	10.12	241
180970078	2013	3	11	17	V	0.09	-999	10.24	245
180970078	2013	3	11	18	V	0.1	-999	8.4	243
180970078	2013	3	11	19	V	0.1	-999	8.27	250
180970078	2013	3	11	20	V	0.1	-999	8.91	252
180970078	2013	3	11	21	V	0.1	-999	7.13	253
180970078	2013	3	11	22	V	0.1	-999	8.08	251
180970078	2013	3	11	23	V	0.1	-999	7.98	249
180970078	2013	3	11	24	V	0.2	-999	7.33	247
180970078	2013	3	12	1	V	0.1	-999	7.35	253
180970078	2013	3	12	2	V	0.04	-999	7.94	260
180970078	2013	3	12	3	V	0.04	-999	7.6	260
180970078	2013	3	12	4	V	0.03	-999	7.06	265
180970078	2013	3	12	5	V	0.03	-999	7.69	270
180970078	2013	3	12	6	V	0.03	-999	6.5	270
180970078	2013	3	12	7	V	0.02	-999	6.36	273
180970078	2013	3	12	8	V	0.01	-999	6.13	260
180970078	2013	3	12	9	V	0.01	-999	6.77	271
180970078	2013	3	12	10	V	0.01	-999	6.84	261
180970078	2013	3	12	11	V	0.01	-999	7.55	265
180970078	2013	3	12	12	V	0.04	-999	7.28	248
180970078	2013	3	12	13	V	0.03	-999	7.42	253
180970078	2013	3	12	14	V	0.02	-999	8.06	243
180970078	2013	3	12	15	V	0.02	-999	8.71	243
180970078	2013	3	12	16	V	0.03	-999	8.67	251
180970078	2013	3	12	17	V	0.03	0.9	8.78	265
180970078	2013	3	12	18	V	0.03	0.8	7.64	262
180970078	2013	3	12	19	V	0.03	0.8	6.24	265
180970078	2013	3	12	20	V	0.02	0.6	8.12	269

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	12	21	V	0.03	0.5	6.11	271
180970078	2013	3	12	22	V	0.03	0.5	5.21	270
180970078	2013	3	12	23	V	0.03	-999	4.92	267
180970078	2013	3	12	24	V	0.03	-999	6.28	271
180970078	2013	3	13	1	V	0.03	-999	6.74	278
180970078	2013	3	13	2	V	0.03	0.5	7.08	295
180970078	2013	3	13	3	V	0.02	0.5	8.39	287
180970078	2013	3	13	4	V	0.02	0.5	7.94	280
180970078	2013	3	13	5	V	0.03	0.5	6.82	284
180970078	2013	3	13	6	V	0.03	0.5	7.59	284
180970078	2013	3	13	7	V	0.01	0.5	7.08	279
180970078	2013	3	13	8	V	0.01	0.5	7.28	279
180970078	2013	3	13	9	V	0.01	0.5	7.5	283
180970078	2013	3	13	10	V	0.01	0.5	8.69	282
180970078	2013	3	13	11	V	0.01	0.5	8.71	291
180970078	2013	3	13	12	V	0.01	0.5	8.44	288
180970078	2013	3	13	13	V	0.01	0.5	8.69	292
180970078	2013	3	13	14	V	0.01	0.5	8.83	285
180970078	2013	3	13	15	V	0.01	0.5	7.72	284
180970078	2013	3	13	16	V	0.03	0.5	8.03	291
180970078	2013	3	13	17	V	0.02	0.5	8.56	298
180970078	2013	3	13	18	V	0.03	0.5	7.52	295
180970078	2013	3	13	19	V	0.03	0.5	6.45	294
180970078	2013	3	13	20	V	0.03	0.4	4.43	288
180970078	2013	3	13	21	V	0.03	0.5	3.86	278
180970078	2013	3	13	22	V	0.03	0.5	3.98	275
180970078	2013	3	13	23	V	0.03	0.4	3.42	268
180970078	2013	3	13	24	V	0.04	0.4	2.86	269
180970078	2013	3	14	1	V	0.05	0.4	2.64	257
180970078	2013	3	14	2	V	0.04	0.4	3.23	237
180970078	2013	3	14	3	V	0.08	0.4	3.56	236
180970078	2013	3	14	4	V	0.09	0.5	3.52	242
180970078	2013	3	14	5	V	0.2	0.5	3.25	244
180970078	2013	3	14	6	V	0.07	0.6	2.66	236
180970078	2013	3	14	7	V	2.6	0.8	2.84	232
180970078	2013	3	14	8	V	3.4	0.8	2.83	232
180970078	2013	3	14	9	V	0.3	1	3.56	247
180970078	2013	3	14	10	V	0.3	1.1	3.39	248
180970078	2013	3	14	11	V	0.2	1.3	4.12	252
180970078	2013	3	14	12	V	0.1	1.6	4.46	247
180970078	2013	3	14	13	V	0.1	1.5	4.14	240
180970078	2013	3	14	14	V	0.1	2	4.19	244
180970078	2013	3	14	15	V	0.1	4.7	4.2	246
180970078	2013	3	14	16	V	0.06	5.4	5.43	246
180970078	2013	3	14	17	V	0.3	1.9	4.53	249
180970078	2013	3	14	18	V	0.3	1.7	4.1	248

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	14	19	V	0.1	1.6	6.02	243
180970078	2013	3	14	20	V	0.2	0.9	5.43	235
180970078	2013	3	14	21	V	25.6	0.9	3.59	212
180970078	2013	3	14	22	V	5.9	5.5	4.71	205
180970078	2013	3	14	23	V	10.4	11.3	4	207
180970078	2013	3	14	24	V	0.04	4.4	4.43	197
180970078	2013	3	15	1	V	0.03	1.7	3.23	196
180970078	2013	3	15	2	V	0.03	1.2	3.1	182
180970078	2013	3	15	3	V	0.02	1.1	3.44	172
180970078	2013	3	15	4	V	0.07	1	2.03	181
180970078	2013	3	15	5	V	0.1	0.9	1.77	163
180970078	2013	3	15	6	V	0.04	0.8	2.59	156
180970078	2013	3	15	7	V	0.2	0.8	2.72	154
180970078	2013	3	15	8	V	0.4	0.9	2.08	129
180970078	2013	3	15	9	V	0.7	1.3	1.69	160
180970078	2013	3	15	10	V	15.4	5.1	2.54	224
180970078	2013	3	15	11	V	0.4	6.1	2.95	247
180970078	2013	3	15	12	V	4.6	6.3	1.94	235
180970078	2013	3	15	13	V	4.5	6.4	2.3	233
180970078	2013	3	15	14	V	23.1	14.1	3.01	219
180970078	2013	3	15	15	V	14.9	18.6	4.15	220
180970078	2013	3	15	16	V	4.0	6.7	3.68	227
180970078	2013	3	15	17	V	12.0	13.1	2.59	222
180970078	2013	3	15	18	V	0.04	22.8	2.44	156
180970078	2013	3	15	19	V	0.04	13.1	3.06	138
180970078	2013	3	15	20	V	0.04	6.4	2.37	77
180970078	2013	3	15	21	V	0.04	3.9	4.32	102
180970078	2013	3	15	22	V	0.04	3.1	4.36	87
180970078	2013	3	15	23	V	0.04	2	3.66	69
180970078	2013	3	15	24	V	0.03	1.5	3.44	74
180970078	2013	3	16	1	V	0.03	1.3	3.93	109
180970078	2013	3	16	2	V	0.03	1.4	3.12	130
180970078	2013	3	16	3	V	0.08	1.2	1.84	148
180970078	2013	3	16	4	V	0.04	1.2	2.44	143
180970078	2013	3	16	5	V	0.08	1.5	1.86	152
180970078	2013	3	16	6	V	0.7	1.2	2.69	202
180970078	2013	3	16	7	V	0.2	1.1	3.05	258
180970078	2013	3	16	8	V	0.1	1.2	3.97	291
180970078	2013	3	16	9	V	0.09	3.3	4.02	306
180970078	2013	3	16	10	V	0.01	3.9	7.03	316
180970078	2013	3	16	11	V	0.01	2.4	8.49	317
180970078	2013	3	16	12	V	0.01	1.2	7.09	312
180970078	2013	3	16	13	V	0.02	1.4	6.94	317
180970078	2013	3	16	14	V	0.01	1.3	7.74	318
180970078	2013	3	16	15	V	0.01	1.7	7.94	325
180970078	2013	3	16	16	V	0.01	1.4	6.92	328

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	16	17	V	0.04	1.1	5.99	337
180970078	2013	3	16	18	V	0.05	1	5.63	337
180970078	2013	3	16	19	V	0.05	1	5.09	342
180970078	2013	3	16	20	V	0.05	0.9	4.26	355
180970078	2013	3	16	21	V	0.05	0.8	4.41	323
180970078	2013	3	16	22	V	0.06	0.8	4.61	334
180970078	2013	3	16	23	V	0.06	-999	5.16	346
180970078	2013	3	16	24	V	0.06	-999	4.54	349
180970078	2013	3	17	1	V	0.06	0.7	4.15	354
180970078	2013	3	17	2	V	0.05	0.7	5.22	7
180970078	2013	3	17	3	V	0.05	0.8	5.65	10
180970078	2013	3	17	4	V	0.05	0.6	6.02	16
180970078	2013	3	17	5	V	0.05	0.6	3.98	27
180970078	2013	3	17	6	V	0.06	0.6	4.44	38
180970078	2013	3	17	7	V	0.05	0.6	5.09	38
180970078	2013	3	17	8	V	0.02	0.6	6.01	42
180970078	2013	3	17	9	V	0.03	0.6	5.92	52
180970078	2013	3	17	10	V	0.03	0.7	6.14	57
180970078	2013	3	17	11	V	0.03	0.7	6.02	56
180970078	2013	3	17	12	V	0.02	0.7	6.23	68
180970078	2013	3	17	13	V	0.03	0.7	6.04	73
180970078	2013	3	17	14	V	0.03	0.7	5.92	79
180970078	2013	3	17	15	V	0.02	0.7	6.31	84
180970078	2013	3	17	16	V	0.02	0.8	6.33	83
180970078	2013	3	17	17	V	0.05	0.8	6.98	83
180970078	2013	3	17	18	V	0.05	0.7	6.4	89
180970078	2013	3	17	19	V	0.05	0.7	6.28	86
180970078	2013	3	17	20	V	0.05	0.7	6.65	89
180970078	2013	3	17	21	V	0.05	0.7	7.4	79
180970078	2013	3	17	22	V	0.05	0.7	6.36	81
180970078	2013	3	17	23	V	0.05	0.7	7.47	85
180970078	2013	3	17	24	V	0.05	0.5	6.75	83
180970078	2013	3	18	1	V	0.05	0.5	6.75	73
180970078	2013	3	18	2	V	0.05	0.5	6.58	74
180970078	2013	3	18	3	V	0.05	0.5	5.39	67
180970078	2013	3	18	4	V	0.06	0.5	4.82	67
180970078	2013	3	18	5	V	0.05	0.5	6.5	76
180970078	2013	3	18	6	V	0.06	0.5	5.79	86
180970078	2013	3	18	7	V	0.03	0.5	5.73	88
180970078	2013	3	18	8	V	0.06	0.5	5.11	98
180970078	2013	3	18	9	V	0.07	0.6	4.99	105
180970078	2013	3	18	10	V	0.2	0.6	3.83	120
180970078	2013	3	18	11	V	0.3	0.7	3.46	146
180970078	2013	3	18	12	V	0.1	0.9	3.35	174
180970078	2013	3	18	13	V	23.6	3.1	4.19	211
180970078	2013	3	18	14	V	0.01	5.1	7.89	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	18	15	V	0.03	1.9	8.06	252
180970078	2013	3	18	16	V	0.01	1.9	8.37	260
180970078	2013	3	18	17	V	0.03	1.4	8.59	268
180970078	2013	3	18	18	V	0.03	1.1	8.23	266
180970078	2013	3	18	19	V	0.04	0.9	7.79	261
180970078	2013	3	18	20	V	0.09	0.8	6.7	256
180970078	2013	3	18	21	V	0.09	0.8	6.06	256
180970078	2013	3	18	22	V	0.1	0.9	4.82	239
180970078	2013	3	18	23	V	0.2	1	4.99	235
180970078	2013	3	18	24	V	0.03	1	6.74	272
180970078	2013	3	19	1	V	0.02	0.7	8.1	281
180970078	2013	3	19	2	V	0.02	0.7	8.83	287
180970078	2013	3	19	3	V	0.02	0.7	10.39	280
180970078	2013	3	19	4	V	0.02	0.7	7.81	273
180970078	2013	3	19	5	V	0.06	0.6	7.91	257
180970078	2013	3	19	6	V	0.1	0.6	7.88	253
180970078	2013	3	19	7	V	0.03	0.8	7.37	252
180970078	2013	3	19	8	V	0.01	0.8	8.32	258
180970078	2013	3	19	9	V	0.01	0.9	10.36	262
180970078	2013	3	19	10	V	0.01	0.7	11.57	260
180970078	2013	3	19	11	V	0.01	0.9	10.78	257
180970078	2013	3	19	12	V	0.01	1	11.74	259
180970078	2013	3	19	13	V	0.01	0.9	12.72	255
180970078	2013	3	19	14	V	0.01	0.9	12.28	259
180970078	2013	3	19	15	V	0.01	0.9	11.97	261
180970078	2013	3	19	16	V	0.01	0.8	10.99	268
180970078	2013	3	19	17	V	0.03	0.7	10.82	271
180970078	2013	3	19	18	V	0.02	0.7	9.75	277
180970078	2013	3	19	19	V	0.02	0.8	7.71	270
180970078	2013	3	19	20	V	0.05	0.7	5.99	260
180970078	2013	3	19	21	V	0.03	0.8	5.73	264
180970078	2013	3	19	22	V	0.2	0.9	4.85	254
180970078	2013	3	19	23	V	0.2	1.2	4.85	252
180970078	2013	3	19	24	V	0.2	1	4.66	251
180970078	2013	3	20	1	V	0.09	0.9	4.03	256
180970078	2013	3	20	2	V	0.05	0.8	3.37	238
180970078	2013	3	20	3	V	0.2	0.8	3.44	234
180970078	2013	3	20	4	V	0.3	0.8	3.73	252
180970078	2013	3	20	5	V	0.04	0.7	4.05	271
180970078	2013	3	20	6	V	0.06	0.7	4.07	265
180970078	2013	3	20	7	V	0.05	0.7	5.11	285
180970078	2013	3	20	8	V	0.07	0.8	4.78	288
180970078	2013	3	20	9	V	0.02	0.7	7.71	292
180970078	2013	3	20	10	V	0.01	0.6	9.51	290
180970078	2013	3	20	11	V	0.02	0.5	8.22	292
180970078	2013	3	20	12	V	0.01	0.5	8.91	283

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	20	13	V	0.01	0.5	9.03	286
180970078	2013	3	20	14	V	0.01	0.6	8.79	278
180970078	2013	3	20	15	V	0.01	0.6	9.3	277
180970078	2013	3	20	16	V	0.01	0.5	9.81	290
180970078	2013	3	20	17	V	0.04	0.5	9.2	285
180970078	2013	3	20	18	V	0.04	0.5	8.56	281
180970078	2013	3	20	19	V	0.04	0.5	7.69	282
180970078	2013	3	20	20	V	0.04	0.6	8.06	287
180970078	2013	3	20	21	V	0.04	0.6	6.84	295
180970078	2013	3	20	22	V	0.04	0.6	7.42	308
180970078	2013	3	20	23	V	0.04	0.5	6.98	304
180970078	2013	3	20	24	V	0.04	0.5	7.33	303
180970078	2013	3	21	1	V	0.05	0.5	6.24	301
180970078	2013	3	21	2	V	0.05	0.4	6.24	313
180970078	2013	3	21	3	V	0.05	0.4	5.46	302
180970078	2013	3	21	4	V	0.04	0.4	5.14	313
180970078	2013	3	21	5	V	0.04	0.5	4.76	305
180970078	2013	3	21	6	V	0.05	0.6	5.5	311
180970078	2013	3	21	7	V	0.1	0.6	4.66	318
180970078	2013	3	21	8	V	0.1	0.7	4.37	312
180970078	2013	3	21	9	V	0.08	1.1	4.6	317
180970078	2013	3	21	10	V	0.09	1.3	4.31	307
180970078	2013	3	21	11	V	0.09	1.5	4.07	294
180970078	2013	3	21	12	V	0.1	1.3	3.83	276
180970078	2013	3	21	13	V	0.1	1	3.39	284
180970078	2013	3	21	14	V	0.09	0.9	3.74	279
180970078	2013	3	21	15	V	0.06	0.9	4.08	266
180970078	2013	3	21	16	V	0.06	0.8	3.37	287
180970078	2013	3	21	17	V	0.05	0.8	3.44	289
180970078	2013	3	21	18	V	0.04	0.7	3.27	300
180970078	2013	3	21	19	V	0.05	0.7	3.1	310
180970078	2013	3	21	20	V	0.08	0.7	2.37	298
180970078	2013	3	21	21	V	0.2	0.7	1.87	285
180970078	2013	3	21	22	V	0.1	0.7	2.06	268
180970078	2013	3	21	23	V	0.3	0.7	1.99	234
180970078	2013	3	21	24	V	0.07	0.7	2.91	237
180970078	2013	3	22	1	V	0.3	0.7	2.76	245
180970078	2013	3	22	2	V	0.6	0.6	2.06	248
180970078	2013	3	22	3	V	0.6	0.6	1.18	287
180970078	2013	3	22	4	V	0.2	0.6	1.64	292
180970078	2013	3	22	5	V	0.1	0.7	2.08	279
180970078	2013	3	22	6	V	0.2	0.8	1.69	279
180970078	2013	3	22	7	V	2.3	1	1.03	311
180970078	2013	3	22	8	V	5.9	1.2	0.77	21
180970078	2013	3	22	9	V	5.3	1.4	0.55	50
180970078	2013	3	22	10	V	10.8	1.1	1.2	202

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	22	11	V	2.6	0.9	1.94	241
180970078	2013	3	22	12	V	0.4	0.9	2.13	254
180970078	2013	3	22	13	V	0.5	1.4	2.38	248
180970078	2013	3	22	14	V	0.3	1	2.44	249
180970078	2013	3	22	15	V	0.2	1.1	2.16	286
180970078	2013	3	22	16	V	0.2	1.4	1.99	302
180970078	2013	3	22	17	V	0.08	1.1	2.27	272
180970078	2013	3	22	18	V	0.1	1.8	2.08	277
180970078	2013	3	22	19	V	0.1	1.9	2.08	263
180970078	2013	3	22	20	V	0.3	1.8	1.55	322
180970078	2013	3	22	21	V	0.06	1.3	2.84	4
180970078	2013	3	22	22	V	0.1	1	1.87	46
180970078	2013	3	22	23	V	0.1	1.1	2.1	41
180970078	2013	3	22	24	V	0.1	1	1.86	32
180970078	2013	3	23	1	V	0.2	1.1	1.55	68
180970078	2013	3	23	2	V	0.2	1	1.57	87
180970078	2013	3	23	3	V	0.2	1	1.54	16
180970078	2013	3	23	4	V	0.08	0.8	2.22	18
180970078	2013	3	23	5	V	0.06	0.9	2.86	41
180970078	2013	3	23	6	V	0.07	0.8	3.03	31
180970078	2013	3	23	7	V	0.2	0.9	2.83	32
180970078	2013	3	23	8	V	0.4	1	2.64	33
180970078	2013	3	23	9	V	0.3	1.4	3.32	32
180970078	2013	3	23	10	V	0.5	1.5	2.45	66
180970078	2013	3	23	11	V	0.6	1.4	2.66	84
180970078	2013	3	23	12	V	1.0	1.4	1.91	35
180970078	2013	3	23	13	V	0.5	1.6	2.3	41
180970078	2013	3	23	14	V	0.4	1.5	2.38	360
180970078	2013	3	23	15	V	0.3	1.3	2.13	32
180970078	2013	3	23	16	V	0.07	1.2	3.22	35
180970078	2013	3	23	17	V	0.05	1.1	4.83	34
180970078	2013	3	23	18	V	0.04	1.3	4.94	32
180970078	2013	3	23	19	V	0.04	1.4	5.16	48
180970078	2013	3	23	20	V	0.05	1.1	5.05	50
180970078	2013	3	23	21	V	0.05	1.1	4.82	44
180970078	2013	3	23	22	V	0.04	0.9	5.33	52
180970078	2013	3	23	23	V	0.04	-999	5.17	65
180970078	2013	3	23	24	V	0.04	-999	5.36	50
180970078	2013	3	24	1	V	0.04	0.8	6.04	52
180970078	2013	3	24	2	V	0.05	0.9	5.67	57
180970078	2013	3	24	3	V	0.05	0.8	5.58	55
180970078	2013	3	24	4	V	0.05	0.7	6.33	50
180970078	2013	3	24	5	V	0.05	0.8	5.82	41
180970078	2013	3	24	6	V	0.05	1.1	6.48	29
180970078	2013	3	24	7	V	0.02	1.1	7.04	36
180970078	2013	3	24	8	V	0.03	0.8	6.6	50

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	24	9	V	0.02	0.8	6.99	35
180970078	2013	3	24	10	V	0.03	1	6.41	54
180970078	2013	3	24	11	V	0.01	1.1	7.67	61
180970078	2013	3	24	12	V	0.02	0.9	7.16	56
180970078	2013	3	24	13	V	0.01	0.9	9.95	60
180970078	2013	3	24	14	V	0.01	0.9	9.73	68
180970078	2013	3	24	15	V	0.01	0.8	9.58	66
180970078	2013	3	24	16	V	0.01	0.6	8.88	75
180970078	2013	3	24	17	V	0.05	0.5	7.48	68
180970078	2013	3	24	18	V	0.05	0.5	5.73	58
180970078	2013	3	24	19	V	0.04	0.7	6.67	48
180970078	2013	3	24	20	V	0.04	0.7	6.52	38
180970078	2013	3	24	21	V	0.04	0.6	6.86	23
180970078	2013	3	24	22	V	0.04	0.6	8.15	22
180970078	2013	3	24	23	V	0.04	0.6	7.93	22
180970078	2013	3	24	24	V	0.04	0.6	7.15	16
180970078	2013	3	25	1	V	0.04	0.6	6.99	10
180970078	2013	3	25	2	V	0.05	0.7	6.7	356
180970078	2013	3	25	3	V	0.05	0.6	6.91	337
180970078	2013	3	25	4	V	0.04	0.5	7.32	330
180970078	2013	3	25	5	V	0.04	0.5	7.69	324
180970078	2013	3	25	6	V	0.04	0.5	7.69	324
180970078	2013	3	25	7	V	0.02	0.5	7.38	320
180970078	2013	3	25	8	V	0.02	0.5	7.42	317
180970078	2013	3	25	9	V	0.02	0.6	7.4	315
180970078	2013	3	25	10	V	0.02	0.6	7.48	310
180970078	2013	3	25	11	V	0.02	0.7	7.43	310
180970078	2013	3	25	12	V	0.01	0.8	8.23	314
180970078	2013	3	25	13	V	0.01	0.8	8.66	314
180970078	2013	3	25	14	V	0.02	0.9	7.42	306
180970078	2013	3	25	15	V	0.02	0.8	6.43	304
180970078	2013	3	25	16	V	0.01	0.7	6.97	303
180970078	2013	3	25	17	V	0.05	0.7	5.77	297
180970078	2013	3	25	18	V	0.05	0.7	6.11	314
180970078	2013	3	25	19	V	0.05	0.6	5.6	308
180970078	2013	3	25	20	V	0.05	0.6	5.82	306
180970078	2013	3	25	21	V	0.04	0.7	6.7	310
180970078	2013	3	25	22	V	0.04	0.7	7.09	313
180970078	2013	3	25	23	V	0.04	0.7	6.52	316
180970078	2013	3	25	24	V	0.05	0.7	6.18	313
180970078	2013	3	26	1	V	0.05	0.7	6.41	313
180970078	2013	3	26	2	V	0.05	0.8	5.43	308
180970078	2013	3	26	3	V	0.05	0.7	5.53	312
180970078	2013	3	26	4	V	0.05	0.8	5.39	310
180970078	2013	3	26	5	V	0.05	0.9	4.73	309
180970078	2013	3	26	6	V	0.06	0.9	4.61	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	26	7	V	0.1	1	3.97	301
180970078	2013	3	26	8	V	0.1	1.2	4.46	296
180970078	2013	3	26	9	V	0.1	1.8	4.6	310
180970078	2013	3	26	10	V	0.04	2.4	6.18	323
180970078	2013	3	26	11	V	0.03	2.4	6.53	314
180970078	2013	3	26	12	V	0.03	2.2	6.69	316
180970078	2013	3	26	13	V	0.03	1.8	6.41	301
180970078	2013	3	26	14	V	0.03	1.9	6.46	303
180970078	2013	3	26	15	V	0.02	1.8	6.53	304
180970078	2013	3	26	16	V	0.02	1.5	7.01	306
180970078	2013	3	26	17	V	0.05	1.3	7.42	301
180970078	2013	3	26	18	V	0.05	1.1	6.7	295
180970078	2013	3	26	19	V	0.05	0.9	5.77	297
180970078	2013	3	26	20	V	0.05	0.8	5.36	298
180970078	2013	3	26	21	V	0.04	0.8	4.36	279
180970078	2013	3	26	22	V	0.05	0.8	4.36	282
180970078	2013	3	26	23	V	0.05	0.9	3.32	264
180970078	2013	3	26	24	V	0.05	0.9	3.68	262
180970078	2013	3	27	1	V	0.04	0.8	3.69	260
180970078	2013	3	27	2	V	0.06	0.7	3.46	257
180970078	2013	3	27	3	V	0.2	0.6	3.49	253
180970078	2013	3	27	4	V	0.05	0.6	3.54	258
180970078	2013	3	27	5	V	0.1	0.7	3.34	256
180970078	2013	3	27	6	V	0.3	0.6	2.93	246
180970078	2013	3	27	7	V	0.6	0.6	3.13	241
180970078	2013	3	27	8	V	0.6	1	3.12	249
180970078	2013	3	27	9	V	0.2	1.2	3.32	280
180970078	2013	3	27	10	V	0.09	1.5	3.52	277
180970078	2013	3	27	11	V	0.1	1.5	3.1	285
180970078	2013	3	27	12	V	0.06	1.3	3.92	289
180970078	2013	3	27	13	V	0.03	1.1	5.5	288
180970078	2013	3	27	14	V	0.03	0.8	5.31	299
180970078	2013	3	27	15	V	0.02	1.1	5.67	299
180970078	2013	3	27	16	V	0.02	0.9	5.6	306
180970078	2013	3	27	17	V	0.06	0.7	5.39	311
180970078	2013	3	27	18	V	0.05	0.6	4.87	316
180970078	2013	3	27	19	V	0.04	0.5	4.03	318
180970078	2013	3	27	20	V	0.06	0.6	2.84	322
180970078	2013	3	27	21	V	0.06	0.6	2.86	326
180970078	2013	3	27	22	V	0.09	0.7	2.37	309
180970078	2013	3	27	23	V	0.1	0.7	2.13	319
180970078	2013	3	27	24	V	0.09	0.7	2.32	309
180970078	2013	3	28	1	V	0.09	0.6	2.06	270
180970078	2013	3	28	2	V	0.07	0.5	2.3	274
180970078	2013	3	28	3	V	0.05	0.5	2.62	291
180970078	2013	3	28	4	V	0.03	0.5	3.46	299

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	28	5	V	0.04	0.5	3.52	308
180970078	2013	3	28	6	V	0.1	0.5	3.47	301
180970078	2013	3	28	7	V	0.4	0.6	2.78	298
180970078	2013	3	28	8	V	0.6	0.7	2.54	307
180970078	2013	3	28	9	V	0.4	0.9	2.86	316
180970078	2013	3	28	10	V	0.2	-999	3.05	326
180970078	2013	3	28	11	V	0.1	3.2	3.86	336
180970078	2013	3	28	12	V	0.1	1.7	3.51	323
180970078	2013	3	28	13	V	0.1	1.3	3.25	308
180970078	2013	3	28	14	V	0.1	1.1	3.54	290
180970078	2013	3	28	15	V	0.1	1.2	3.13	295
180970078	2013	3	28	16	V	0.1	1.1	2.69	305
180970078	2013	3	28	17	V	0.06	0.8	2.64	292
180970078	2013	3	28	18	V	0.08	0.8	2.5	325
180970078	2013	3	28	19	V	0.04	0.8	3.3	333
180970078	2013	3	28	20	V	0.05	0.8	3	350
180970078	2013	3	28	21	V	0.06	0.7	2.69	358
180970078	2013	3	28	22	V	0.07	0.7	2.44	357
180970078	2013	3	28	23	V	0.3	0.7	1.4	357
180970078	2013	3	28	24	V	1.6	0.7	0.8	127
180970078	2013	3	29	1	V	2.0	0.9	0.75	254
180970078	2013	3	29	2	V	2.8	1.1	0.53	345
180970078	2013	3	29	3	V	2.1	0.9	0.7	126
180970078	2013	3	29	4	V	0.9	0.9	1.01	54
180970078	2013	3	29	5	V	0.2	1.1	1.77	70
180970078	2013	3	29	6	V	0.2	1.1	2.16	280
180970078	2013	3	29	7	V	3.0	1.1	1.01	346
180970078	2013	3	29	8	V	2.0	1.4	1.31	135
180970078	2013	3	29	9	V	1.3	1.2	1.71	157
180970078	2013	3	29	10	V	0.9	1.2	2.16	157
180970078	2013	3	29	11	V	0.6	1.2	2.61	140
180970078	2013	3	29	12	V	1.0	1.3	1.59	130
180970078	2013	3	29	13	V	1.4	1.2	1.45	76
180970078	2013	3	29	14	V	0.6	1.2	1.72	102
180970078	2013	3	29	15	V	0.3	2.5	2.35	183
180970078	2013	3	29	16	V	0.2	4.7	2.3	269
180970078	2013	3	29	17	V	0.07	5.7	2.76	358
180970078	2013	3	29	18	V	0.05	3.7	3.24	321
180970078	2013	3	29	19	V	0.05	1.4	3.49	327
180970078	2013	3	29	20	V	0.05	1	2.95	356
180970078	2013	3	29	21	V	0.06	0.9	2.69	23
180970078	2013	3	29	22	V	0.07	0.8	2.59	44
180970078	2013	3	29	23	V	0.08	0.6	2.37	38
180970078	2013	3	29	24	V	1.5	0.7	0.75	9
180970078	2013	3	30	1	V	0.3	0.8	1.38	136
180970078	2013	3	30	2	V	1.8	0.9	0.67	186

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	3	30	3	V	2.2	0.9	0.52	289
180970078	2013	3	30	4	V	0.6	0.8	1.06	131
180970078	2013	3	30	5	V	0.2	0.9	1.62	43
180970078	2013	3	30	6	V	1.3	0.9	1.01	15
180970078	2013	3	30	7	V	1.9	1	1.23	85
180970078	2013	3	30	8	V	2.0	1.4	1.33	83
180970078	2013	3	30	9	V	0.5	2.7	2.4	157
180970078	2013	3	30	10	V	0.1	4.2	4.05	142
180970078	2013	3	30	11	V	0.08	2.3	4.56	146
180970078	2013	3	30	12	V	0.08	1.8	4.36	176
180970078	2013	3	30	13	V	0.05	2.3	4	167
180970078	2013	3	30	14	V	0.06	3.9	3.63	173
180970078	2013	3	30	15	V	0.05	5.3	3.76	182
180970078	2013	3	30	16	V	0.03	3.8	4.22	190
180970078	2013	3	30	17	V	16.1	2.2	4.24	206
180970078	2013	3	30	18	V	34.4	1.7	3.86	216
180970078	2013	3	30	19	V	42.7	1.7	3.23	211
180970078	2013	3	30	20	V	0.06	1.6	2.64	159
180970078	2013	3	30	21	V	0.06	1.5	3.2	154
180970078	2013	3	30	22	V	0.06	1.4	2.67	180
180970078	2013	3	30	23	V	31.4	-999	2.4	217
180970078	2013	3	30	24	V	1.0	-999	2.45	229
180970078	2013	3	31	1	V	4.1	1.1	3.01	226
180970078	2013	3	31	2	V	0.1	1.6	3.29	236
180970078	2013	3	31	3	V	4.0	1.4	2.69	226
180970078	2013	3	31	4	V	4.1	1.3	2.96	226
180970078	2013	3	31	5	V	1.9	1.4	2.84	228
180970078	2013	3	31	6	V	0.2	1.2	2.69	243
180970078	2013	3	31	7	V	0.2	1	3.32	245
180970078	2013	3	31	8	V	0.3	1	3.35	247
180970078	2013	3	31	9	V	0.06	0.9	4.46	261
180970078	2013	3	31	10	V	0.05	0.9	5.02	259
180970078	2013	3	31	11	V	0.04	0.9	5.28	268
180970078	2013	3	31	12	V	0.03	1.6	5.77	272
180970078	2013	3	31	13	V	0.06	1.5	5.29	254
180970078	2013	3	31	14	V	0.03	1.2	5.19	260
180970078	2013	3	31	15	V	0.02	0.8	6.35	258
180970078	2013	3	31	16	V	0.01	0.7	7.14	258
180970078	2013	3	31	17	V	0.1	0.6	7.79	255
180970078	2013	3	31	18	V	0.1	0.9	8.32	245
180970078	2013	3	31	19	V	0.09	1.3	9.39	243
180970078	2013	3	31	20	V	0.04	0.7	5.85	273
180970078	2013	3	31	21	V	0.2	0.6	5.33	249
180970078	2013	3	31	22	V	0.3	0.6	4.71	249
180970078	2013	3	31	23	V	0.04	0.7	4.97	288
180970078	2013	3	31	24	V	0.03	0.7	5.79	304

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	1	1	V	0.02	0.6	7.71	318
180970078	2013	4	1	2	V	0.03	0.6	6.99	316
180970078	2013	4	1	3	V	0.04	0.6	5.1	305
180970078	2013	4	1	4	V	0.03	0.7	5.38	312
180970078	2013	4	1	5	V	0.04	0.7	6.19	311
180970078	2013	4	1	6	V	0.06	0.7	5.97	313
180970078	2013	4	1	7	V	0.05	0.7	5.79	317
180970078	2013	4	1	8	V	0.07	0.9	5.02	320
180970078	2013	4	1	9	V	0.04	1.1	5.8	335
180970078	2013	4	1	10	V	0.05	1	5.63	329
180970078	2013	4	1	11	V	0.05	0.9	4.92	322
180970078	2013	4	1	12	V	0.03	0.9	6.23	310
180970078	2013	4	1	13	V	0.03	1.2	6.53	300
180970078	2013	4	1	14	V	0.02	0.7	6.96	299
180970078	2013	4	1	15	V	0.02	0.6	6.74	305
180970078	2013	4	1	16	V	0.01	0.6	7.76	296
180970078	2013	4	1	17	V	0.05	0.5	7.93	295
180970078	2013	4	1	18	V	0.04	0.4	7.16	296
180970078	2013	4	1	19	V	0.04	0.4	6.8	293
180970078	2013	4	1	20	V	0.04	0.4	4.85	296
180970078	2013	4	1	21	V	0.04	0.4	4.53	306
180970078	2013	4	1	22	V	0.04	0.7	4.36	313
180970078	2013	4	1	23	V	0.04	0.7	3.93	317
180970078	2013	4	1	24	V	0.04	0.7	3.32	316
180970078	2013	4	2	1	V	0.07	0.6	2.59	306
180970078	2013	4	2	2	V	0.1	0.6	2.27	280
180970078	2013	4	2	3	V	0.08	0.6	2.55	272
180970078	2013	4	2	4	V	0.07	0.7	2.69	287
180970078	2013	4	2	5	V	0.06	0.7	3.05	287
180970078	2013	4	2	6	V	0.1	0.7	3.1	302
180970078	2013	4	2	7	V	0.3	0.7	3.32	312
180970078	2013	4	2	8	V	0.3	1.3	2.89	311
180970078	2013	4	2	9	V	0.3	1.3	3.01	328
180970078	2013	4	2	10	V	0.5	1.1	2.37	334
180970078	2013	4	2	11	V	0.2	1.2	3.56	291
180970078	2013	4	2	12	V	0.1	1.1	3.78	296
180970078	2013	4	2	13	V	0.09	1.3	4.48	299
180970078	2013	4	2	14	V	0.07	1.2	4.75	304
180970078	2013	4	2	15	V	0.05	1.2	5.07	311
180970078	2013	4	2	16	V	0.03	0.8	5.33	308
180970078	2013	4	2	17	V	0.06	0.6	5.9	295
180970078	2013	4	2	18	V	0.04	0.6	5.87	298
180970078	2013	4	2	19	V	0.04	0.5	5.51	292
180970078	2013	4	2	20	V	0.04	0.5	3.83	291
180970078	2013	4	2	21	V	0.08	0.5	2.37	282
180970078	2013	4	2	22	V	0.07	0.7	2.81	297

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	2	23	V	0.06	0.7	2.84	322
180970078	2013	4	2	24	V	0.03	0.6	3.23	359
180970078	2013	4	3	1	V	0.03	0.6	3.1	39
180970078	2013	4	3	2	V	0.05	0.5	2.52	34
180970078	2013	4	3	3	V	0.08	0.5	2.04	35
180970078	2013	4	3	4	V	0.3	0.5	1.31	29
180970078	2013	4	3	5	V	0.2	0.5	1.57	30
180970078	2013	4	3	6	V	0.1	0.6	2.62	27
180970078	2013	4	3	7	V	0.2	0.7	3	32
180970078	2013	4	3	8	V	0.7	1	1.94	40
180970078	2013	4	3	9	V	0.1	1	3.17	56
180970078	2013	4	3	10	V	0.05	0.7	4.25	53
180970078	2013	4	3	11	V	0.06	0.6	4.09	39
180970078	2013	4	3	12	V	0.04	0.6	3.95	44
180970078	2013	4	3	13	V	0.05	0.6	4.02	27
180970078	2013	4	3	14	V	0.03	0.6	4.37	45
180970078	2013	4	3	15	V	0.03	0.6	4.05	58
180970078	2013	4	3	16	V	0.02	0.7	4.14	74
180970078	2013	4	3	17	V	0.05	0.6	4.19	108
180970078	2013	4	3	18	V	0.03	0.6	4.49	105
180970078	2013	4	3	19	V	0.03	0.7	4.27	93
180970078	2013	4	3	20	V	0.03	0.7	4.26	82
180970078	2013	4	3	21	V	0.03	0.7	3.25	83
180970078	2013	4	3	22	V	0.04	0.7	2.76	91
180970078	2013	4	3	23	V	0.04	0.7	3.2	93
180970078	2013	4	3	24	V	0.04	0.7	3.07	102
180970078	2013	4	4	1	V	0.04	0.7	2.71	87
180970078	2013	4	4	2	V	0.04	0.7	2.78	89
180970078	2013	4	4	3	V	0.04	0.6	3.32	77
180970078	2013	4	4	4	V	0.04	0.8	3.66	87
180970078	2013	4	4	5	V	0.04	1	4.51	84
180970078	2013	4	4	6	V	0.06	1.2	3.54	83
180970078	2013	4	4	7	V	0.2	1.3	3.25	88
180970078	2013	4	4	8	V	0.1	1.9	3.59	103
180970078	2013	4	4	9	V	0.2	3.1	3.44	116
180970078	2013	4	4	10	V	0.2	3.1	3.3	110
180970078	2013	4	4	11	V	0.07	2.2	4.15	117
180970078	2013	4	4	12	V	0.1	2.1	3.37	122
180970078	2013	4	4	13	V	0.2	1.9	2.37	91
180970078	2013	4	4	14	V	0.1	1.6	2.45	157
180970078	2013	4	4	15	V	0.2	1.6	1.81	148
180970078	2013	4	4	16	V	0.4	1.5	1.49	254
180970078	2013	4	4	17	V	9.8	4.9	1.31	204
180970078	2013	4	4	18	V	0.05	6.8	2.39	306
180970078	2013	4	4	19	V	0.03	5.3	3.03	310
180970078	2013	4	4	20	V	0.1	5.5	1.55	306

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	4	21	V	0.2	4.3	1.55	310
180970078	2013	4	4	22	V	0.3	3.4	1.31	296
180970078	2013	4	4	23	V	0.08	2.6	1.98	277
180970078	2013	4	4	24	V	0.1	2.4	1.74	279
180970078	2013	4	5	1	V	0.1	2.2	1.79	278
180970078	2013	4	5	2	V	0.6	1.6	2.16	249
180970078	2013	4	5	3	V	0.06	1.6	2.61	256
180970078	2013	4	5	4	V	0.5	1.4	3.2	249
180970078	2013	4	5	5	V	0.4	1.5	3.08	251
180970078	2013	4	5	6	V	0.2	1.5	2.4	258
180970078	2013	4	5	7	V	0.3	1.9	2.49	297
180970078	2013	4	5	8	V	0.1	2.1	3.98	341
180970078	2013	4	5	9	V	0.08	1.9	4.34	1
180970078	2013	4	5	10	V	0.06	1.6	4.75	2
180970078	2013	4	5	11	V	0.04	1.5	5.44	6
180970078	2013	4	5	12	V	0.03	1.1	5.5	358
180970078	2013	4	5	13	V	0.03	1	5.68	6
180970078	2013	4	5	14	V	0.03	1	5.55	20
180970078	2013	4	5	15	V	0.03	0.8	5.05	12
180970078	2013	4	5	16	V	0.05	0.8	3.64	13
180970078	2013	4	5	17	V	0.06	0.7	3.63	16
180970078	2013	4	5	18	V	0.03	0.7	3.68	346
180970078	2013	4	5	19	V	0.03	0.7	4.02	346
180970078	2013	4	5	20	V	0.03	0.6	4.03	350
180970078	2013	4	5	21	V	0.03	0.7	3.07	12
180970078	2013	4	5	22	V	0.03	0.7	2.88	33
180970078	2013	4	5	23	V	0.03	0.7	3.32	36
180970078	2013	4	5	24	V	0.03	0.7	4.41	23
180970078	2013	4	6	1	V	0.03	0.7	3.93	44
180970078	2013	4	6	2	V	0.04	0.7	2.88	65
180970078	2013	4	6	3	V	0.04	0.7	2.42	98
180970078	2013	4	6	4	V	0.06	0.7	2.23	103
180970078	2013	4	6	5	V	0.03	1.1	3.23	94
180970078	2013	4	6	6	V	0.03	1.6	4.92	111
180970078	2013	4	6	7	V	0.04	3.4	4.85	123
180970078	2013	4	6	8	V	0.02	3.6	6.38	126
180970078	2013	4	6	9	V	0.02	4.3	7.08	138
180970078	2013	4	6	10	V	0.02	4.1	6.74	146
180970078	2013	4	6	11	V	0.02	2.4	7.86	140
180970078	2013	4	6	12	V	0.02	2.4	6.65	147
180970078	2013	4	6	13	V	0.02	3.6	6.99	154
180970078	2013	4	6	14	V	0.02	2.5	6.89	161
180970078	2013	4	6	15	V	0.02	2.1	7.59	167
180970078	2013	4	6	16	V	0.01	2	8.2	165
180970078	2013	4	6	17	V	0.05	2.5	8.47	161
180970078	2013	4	6	18	V	0.04	2.3	9.42	177

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	6	19	V	0.04	1.3	8.22	190
180970078	2013	4	6	20	V	0.05	1.5	6.69	190
180970078	2013	4	6	21	V	0.04	1.5	6.86	182
180970078	2013	4	6	22	V	0.04	1.3	7.35	182
180970078	2013	4	6	23	V	0.03	-999	7.25	184
180970078	2013	4	6	24	V	0.04	-999	7.72	190
180970078	2013	4	7	1	V	0.05	1.9	7.09	191
180970078	2013	4	7	2	V	15.4	3	9.17	207
180970078	2013	4	7	3	V	5.7	20.3	10.9	225
180970078	2013	4	7	4	V	3.1	2.2	9.27	227
180970078	2013	4	7	5	V	1.3	2	8.23	230
180970078	2013	4	7	6	V	0.4	1.6	6.09	232
180970078	2013	4	7	7	V	0.07	1.5	5.31	240
180970078	2013	4	7	8	V	0.1	1.8	5.9	238
180970078	2013	4	7	9	V	0.04	2.1	6.86	254
180970078	2013	4	7	10	V	0.02	1.9	7.64	273
180970078	2013	4	7	11	V	0.02	1.4	7.88	260
180970078	2013	4	7	12	V	0.03	1.1	6.94	261
180970078	2013	4	7	13	V	0.03	0.8	6.97	271
180970078	2013	4	7	14	V	0.02	0.7	7.59	279
180970078	2013	4	7	15	V	0.02	0.8	7.28	283
180970078	2013	4	7	16	V	0.03	1.1	6.19	276
180970078	2013	4	7	17	V	0.02	1.1	4.36	284
180970078	2013	4	7	18	V	0.06	1	2.93	307
180970078	2013	4	7	19	V	0.08	0.9	2.28	326
180970078	2013	4	7	20	V	0.07	0.8	2.27	17
180970078	2013	4	7	21	V	0.1	0.8	1.89	55
180970078	2013	4	7	22	V	0.06	0.9	3	129
180970078	2013	4	7	23	V	0.06	0.9	3.03	179
180970078	2013	4	7	24	V	0.06	1.1	4	170
180970078	2013	4	8	1	V	0.05	1.1	5.27	185
180970078	2013	4	8	2	V	0.06	1	3.64	193
180970078	2013	4	8	3	V	10.3	1.2	1.77	224
180970078	2013	4	8	4	V	0.06	1.8	2.78	156
180970078	2013	4	8	5	V	0.06	1.1	4.02	146
180970078	2013	4	8	6	V	0.04	1.1	5.12	151
180970078	2013	4	8	7	V	0.06	1.1	4.78	148
180970078	2013	4	8	8	V	0.04	1.3	5.58	145
180970078	2013	4	8	9	V	0.02	1.7	6.74	161
180970078	2013	4	8	10	V	0.02	1.9	7.48	178
180970078	2013	4	8	11	V	0.02	2.4	8.37	195
180970078	2013	4	8	12	V	7.5	4.4	8.83	209
180970078	2013	4	8	13	V	0.9	8	10.27	227
180970078	2013	4	8	14	V	0.5	3	9.59	229
180970078	2013	4	8	15	V	2.9	3	8.72	223
180970078	2013	4	8	16	V	3.0	6.1	8.08	223

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	8	17	V	7.5	12.1	8.15	218
180970078	2013	4	8	18	V	10.3	12.8	8.61	222
180970078	2013	4	8	19	V	12.2	12.8	6.86	221
180970078	2013	4	8	20	V	38.5	19.4	4.34	215
180970078	2013	4	8	21	V	16.0	17.4	4.75	206
180970078	2013	4	8	22	V	0.08	31	3.22	199
180970078	2013	4	8	23	V	0.05	8.7	3.15	165
180970078	2013	4	8	24	V	0.05	3.7	3.41	174
180970078	2013	4	9	1	V	0.05	2.6	3.03	142
180970078	2013	4	9	2	V	0.05	1.6	3.83	170
180970078	2013	4	9	3	V	0.05	1.2	3.93	166
180970078	2013	4	9	4	V	0.06	1	2.55	114
180970078	2013	4	9	5	V	0.09	1	2.2	99
180970078	2013	4	9	6	V	0.2	1.2	3.42	104
180970078	2013	4	9	7	V	0.2	1.6	4	122
180970078	2013	4	9	8	V	0.2	2.1	3.39	135
180970078	2013	4	9	9	V	0.3	2.6	3.37	165
180970078	2013	4	9	10	V	0.02	3.6	7.6	187
180970078	2013	4	9	11	V	0.04	3.6	8.3	194
180970078	2013	4	9	12	V	0.04	4.5	10.61	195
180970078	2013	4	9	13	V	0.1	2.6	11.85	198
180970078	2013	4	9	14	V	2.3	2.4	11.85	205
180970078	2013	4	9	15	V	7.5	6.4	11.43	212
180970078	2013	4	9	16	V	0.8	5	11.96	227
180970078	2013	4	9	17	V	3.9	1.9	10.05	221
180970078	2013	4	9	18	V	6.7	7.1	8.5	224
180970078	2013	4	9	19	V	33.4	30.5	5.38	210
180970078	2013	4	9	20	V	28.3	53.3	5.5	209
180970078	2013	4	9	21	V	12.0	47.5	4.86	205
180970078	2013	4	9	22	V	15.7	24.9	6.46	206
180970078	2013	4	9	23	V	0.08	16.5	6.81	193
180970078	2013	4	9	24	V	0.2	5	6.3	195
180970078	2013	4	10	1	V	0.07	4.1	5.6	193
180970078	2013	4	10	2	V	0.05	3.2	3.98	179
180970078	2013	4	10	3	V	0.05	2.6	3.35	173
180970078	2013	4	10	4	V	0.06	2.2	4.02	178
180970078	2013	4	10	5	V	0.06	1.8	3.74	184
180970078	2013	4	10	6	V	0.2	1.5	3.42	172
180970078	2013	4	10	7	V	0.2	1.3	4.09	179
180970078	2013	4	10	8	V	5.4	1.7	6.18	204
180970078	2013	4	10	9	V	9.7	4.8	7.59	217
180970078	2013	4	10	10	V	6.4	18.6	9.56	217
180970078	2013	4	10	11	V	5.7	29.4	9.42	219
180970078	2013	4	10	12	V	2.0	23.9	10.44	224
180970078	2013	4	10	13	V	3.1	8.3	10.19	222
180970078	2013	4	10	14	V	1.7	6	10.19	225

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	10	15	V	1.2	6.6	10.63	226
180970078	2013	4	10	16	V	6.2	7.6	8.32	219
180970078	2013	4	10	17	V	3.8	10.1	7.11	206
180970078	2013	4	10	18	V	0.06	8.6	5.49	4
180970078	2013	4	10	19	V	0.06	2.9	3.66	29
180970078	2013	4	10	20	V	0.05	1.8	6.09	8
180970078	2013	4	10	21	V	0.05	1.1	6.5	24
180970078	2013	4	10	22	V	0.06	0.9	5.19	69
180970078	2013	4	10	23	V	0.06	0.9	5.02	88
180970078	2013	4	10	24	V	0.05	0.8	5.89	102
180970078	2013	4	11	1	V	0.05	0.8	5.73	123
180970078	2013	4	11	2	V	0.04	1	6.75	277
180970078	2013	4	11	3	V	0.05	0.8	4.7	282
180970078	2013	4	11	4	V	0.06	0.7	2.54	136
180970078	2013	4	11	5	V	0.06	0.8	2.61	114
180970078	2013	4	11	6	V	0.1	1.1	3.74	120
180970078	2013	4	11	7	V	0.08	0.9	4.58	132
180970078	2013	4	11	8	V	0.08	0.9	4.92	143
180970078	2013	4	11	9	V	0.07	1	5.22	138
180970078	2013	4	11	10	V	0.04	-999	6.16	146
180970078	2013	4	11	11	V	0.02	-999	6.72	162
180970078	2013	4	11	12	V	0.01	1.2	7.86	180
180970078	2013	4	11	13	V	0.01	1.2	7.57	180
180970078	2013	4	11	14	V	0.01	1	7.94	168
180970078	2013	4	11	15	V	0.02	0.8	6.11	186
180970078	2013	4	11	16	V	0.2	0.8	4.88	198
180970078	2013	4	11	17	V	0.07	0.7	4.73	173
180970078	2013	4	11	18	V	0.05	0.7	5.9	172
180970078	2013	4	11	19	V	10.6	0.7	6.11	222
180970078	2013	4	11	20	V	0.05	0.6	4.39	286
180970078	2013	4	11	21	V	0.06	0.5	4.41	280
180970078	2013	4	11	22	V	0.05	0.5	4.49	288
180970078	2013	4	11	23	V	0.04	0.5	6.8	286
180970078	2013	4	11	24	V	0.04	0.4	7.69	281
180970078	2013	4	12	1	V	0.04	0.4	8.83	280
180970078	2013	4	12	2	V	0.04	0.5	9.29	278
180970078	2013	4	12	3	V	0.04	0.5	8.25	280
180970078	2013	4	12	4	V	0.04	0.5	6.99	272
180970078	2013	4	12	5	V	0.05	0.5	7.47	262
180970078	2013	4	12	6	V	0.03	0.5	7.54	255
180970078	2013	4	12	7	V	0.07	0.5	6.01	245
180970078	2013	4	12	8	V	0.03	0.5	6.64	243
180970078	2013	4	12	9	V	0.4	0.8	6.74	231
180970078	2013	4	12	10	V	0.02	0.6	7.86	237
180970078	2013	4	12	11	V	0.02	0.6	7.86	238
180970078	2013	4	12	12	V	0.02	0.8	8.23	243

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	12	13	V	0.04	0.7	7.94	249
180970078	2013	4	12	14	V	0.04	0.6	8.25	249
180970078	2013	4	12	15	V	0.03	0.6	8.64	248
180970078	2013	4	12	16	V	0.02	0.7	9.2	243
180970078	2013	4	12	17	V	0.2	0.7	8.37	247
180970078	2013	4	12	18	V	0.1	1.1	7.81	254
180970078	2013	4	12	19	V	0.05	1.2	7.11	263
180970078	2013	4	12	20	V	0.04	0.5	7.64	276
180970078	2013	4	12	21	V	0.05	0.5	6.38	268
180970078	2013	4	12	22	V	0.1	0.5	5.22	257
180970078	2013	4	12	23	V	0.2	0.5	5.16	247
180970078	2013	4	12	24	V	0.2	0.5	5.36	248
180970078	2013	4	13	1	V	0.2	0.5	5.48	249
180970078	2013	4	13	2	V	0.2	0.9	5.5	246
180970078	2013	4	13	3	V	0.2	0.9	5.38	247
180970078	2013	4	13	4	V	0.2	0.8	5.68	247
180970078	2013	4	13	5	V	0.2	1	5.36	243
180970078	2013	4	13	6	V	0.07	1.2	5.62	245
180970078	2013	4	13	7	V	0.06	1.3	6.3	246
180970078	2013	4	13	8	V	0.05	1	6.4	253
180970078	2013	4	13	9	V	0.05	0.9	6.91	245
180970078	2013	4	13	10	V	0.02	1.3	8.33	237
180970078	2013	4	13	11	V	0.02	1	10.36	245
180970078	2013	4	13	12	V	0.01	1.3	9.75	257
180970078	2013	4	13	13	V	0.01	0.9	10.39	264
180970078	2013	4	13	14	V	0.01	0.9	8.91	278
180970078	2013	4	13	15	V	0.01	0.7	8.33	275
180970078	2013	4	13	16	V	0.01	0.7	8.03	273
180970078	2013	4	13	17	V	0.01	0.7	7.6	272
180970078	2013	4	13	18	V	0.03	0.8	6.18	276
180970078	2013	4	13	19	V	0.04	0.8	4.14	296
180970078	2013	4	13	20	V	0.06	0.7	2.47	322
180970078	2013	4	13	21	V	0.2	0.7	1.64	350
180970078	2013	4	13	22	V	0.7	0.6	1.03	59
180970078	2013	4	13	23	V	0.09	0.7	2.18	121
180970078	2013	4	13	24	V	0.05	0.6	2.84	121
180970078	2013	4	14	1	V	0.05	0.6	2.84	114
180970078	2013	4	14	2	V	0.04	0.5	3.57	112
180970078	2013	4	14	3	V	0.06	0.6	2.79	99
180970078	2013	4	14	4	V	0.05	0.6	3.63	109
180970078	2013	4	14	5	V	0.05	0.6	3.34	117
180970078	2013	4	14	6	V	0.1	0.5	3.66	93
180970078	2013	4	14	7	V	0.2	0.6	3.64	100
180970078	2013	4	14	8	V	0.2	1.1	3.91	120
180970078	2013	4	14	9	V	0.1	1.9	4.14	116
180970078	2013	4	14	10	V	0.07	3.9	5.02	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	14	11	V	0.05	4	5.41	135
180970078	2013	4	14	12	V	0.07	3.2	5.09	135
180970078	2013	4	14	13	V	0.09	3.2	4.73	142
180970078	2013	4	14	14	V	0.1	1.6	4.41	127
180970078	2013	4	14	15	V	0.03	1.1	6.01	144
180970078	2013	4	14	16	V	0.03	1.1	6.14	157
180970078	2013	4	14	17	V	0.06	1.1	7.18	138
180970078	2013	4	14	18	V	0.04	1.1	7.62	136
180970078	2013	4	14	19	V	0.04	1.1	7.09	138
180970078	2013	4	14	20	V	0.04	1.4	5.75	136
180970078	2013	4	14	21	V	0.04	1.9	4.77	140
180970078	2013	4	14	22	V	0.04	1.3	5.11	142
180970078	2013	4	14	23	V	0.04	1.4	5.77	152
180970078	2013	4	14	24	V	0.04	1.1	6.82	176
180970078	2013	4	15	1	V	0.03	1.1	6.38	176
180970078	2013	4	15	2	V	0.03	1.1	7.16	178
180970078	2013	4	15	3	V	0.04	1	5.9	181
180970078	2013	4	15	4	V	0.04	1.1	5.39	183
180970078	2013	4	15	5	V	0.06	0.9	4.56	159
180970078	2013	4	15	6	V	0.1	1.1	4.1	142
180970078	2013	4	15	7	V	0.2	1.1	3.1	150
180970078	2013	4	15	8	V	0.09	1.2	3.93	166
180970078	2013	4	15	9	V	0.05	1.2	5.05	174
180970078	2013	4	15	10	V	0.04	1.2	5.77	185
180970078	2013	4	15	11	V	0.03	1.4	6.21	192
180970078	2013	4	15	12	V	0.04	1.7	5.56	193
180970078	2013	4	15	13	V	0.1	2.4	5.89	197
180970078	2013	4	15	14	V	0.02	1.7	7.23	179
180970078	2013	4	15	15	V	0.02	1.8	6.7	175
180970078	2013	4	15	16	V	0.6	4.9	4.51	200
180970078	2013	4	15	17	V	0.02	2	4.46	178
180970078	2013	4	15	18	V	0.05	1.4	4.61	175
180970078	2013	4	15	19	V	0.05	1.3	5.09	174
180970078	2013	4	15	20	V	0.04	1.4	4.94	170
180970078	2013	4	15	21	V	0.04	1.2	4.12	142
180970078	2013	4	15	22	V	0.05	0.8	5.04	149
180970078	2013	4	15	23	V	0.04	0.7	6.01	151
180970078	2013	4	15	24	V	0.05	0.7	6.36	153
180970078	2013	4	16	1	V	0.05	0.7	5.94	152
180970078	2013	4	16	2	V	0.05	0.7	5.38	161
180970078	2013	4	16	3	V	0.05	0.8	5	164
180970078	2013	4	16	4	V	1.2	0.8	6.12	199
180970078	2013	4	16	5	V	0.05	1.7	6.01	307
180970078	2013	4	16	6	V	0.1	0.7	3.93	348
180970078	2013	4	16	7	V	0.8	0.6	1.84	23
180970078	2013	4	16	8	V	0.6	0.5	2.4	316

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	16	9	V	0.8	0.5	1.69	82
180970078	2013	4	16	10	V	0.2	0.6	3.25	3
180970078	2013	4	16	11	V	0.03	0.5	5.73	334
180970078	2013	4	16	12	V	0.1	0.6	3.97	358
180970078	2013	4	16	13	V	0.08	0.7	4.34	21
180970078	2013	4	16	14	V	0.03	0.5	5.5	6
180970078	2013	4	16	15	V	0.3	0.5	2.1	344
180970078	2013	4	16	16	V	0.1	0.4	2.71	31
180970078	2013	4	16	17	V	0.08	0.4	3.63	78
180970078	2013	4	16	18	V	0.05	0.4	6.79	8
180970078	2013	4	16	19	V	0.05	0.4	6.11	32
180970078	2013	4	16	20	V	0.05	0.4	5.04	38
180970078	2013	4	16	21	V	0.05	0.4	4.82	43
180970078	2013	4	16	22	V	0.06	0.4	4.49	51
180970078	2013	4	16	23	V	0.06	0.4	4.2	51
180970078	2013	4	16	24	V	0.05	0.4	5.02	52
180970078	2013	4	17	1	V	0.06	0.5	3.97	33
180970078	2013	4	17	2	V	0.06	0.5	4.63	37
180970078	2013	4	17	3	V	0.06	0.5	4.85	47
180970078	2013	4	17	4	V	0.05	0.5	5.21	42
180970078	2013	4	17	5	V	0.06	0.5	4.88	48
180970078	2013	4	17	6	V	0.07	0.5	4.87	53
180970078	2013	4	17	7	V	0.07	0.5	4.71	62
180970078	2013	4	17	8	V	0.1	0.5	4.48	67
180970078	2013	4	17	9	V	0.09	0.6	4.65	68
180970078	2013	4	17	10	V	0.07	0.8	5.14	97
180970078	2013	4	17	11	V	0.09	0.9	4.95	113
180970078	2013	4	17	12	V	0.04	0.8	5.5	115
180970078	2013	4	17	13	V	0.09	1.1	4.34	120
180970078	2013	4	17	14	V	0.04	1.6	5.56	130
180970078	2013	4	17	15	V	0.04	1.4	5.05	137
180970078	2013	4	17	16	V	0.02	1.6	6.52	130
180970078	2013	4	17	17	V	0.01	1.8	7.37	141
180970078	2013	4	17	18	V	0.04	1.5	7.89	156
180970078	2013	4	17	19	V	0.04	1.3	6.69	157
180970078	2013	4	17	20	V	0.05	1.1	6.23	168
180970078	2013	4	17	21	V	0.05	1	4.43	157
180970078	2013	4	17	22	V	0.04	0.9	3.97	140
180970078	2013	4	17	23	V	0.04	0.9	3.83	126
180970078	2013	4	17	24	V	0.05	0.9	4.97	131
180970078	2013	4	18	1	V	0.04	0.9	6.11	142
180970078	2013	4	18	2	V	0.04	0.9	6.87	153
180970078	2013	4	18	3	V	0.05	0.9	6.41	169
180970078	2013	4	18	4	V	0.04	0.9	7.52	177
180970078	2013	4	18	5	V	0.04	0.9	7.48	183
180970078	2013	4	18	6	V	0.02	0.8	7.91	173

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	18	7	V	0.02	0.9	7.37	168
180970078	2013	4	18	8	V	0.03	0.9	7.01	164
180970078	2013	4	18	9	V	0.01	1.2	9.61	172
180970078	2013	4	18	10	V	0.01	1.3	10	182
180970078	2013	4	18	11	V	0.01	1.3	11.33	193
180970078	2013	4	18	12	V	0.2	1.2	11.99	200
180970078	2013	4	18	13	V	4.1	1.1	10	207
180970078	2013	4	18	14	V	0.04	0.8	4.87	313
180970078	2013	4	18	15	V	0.2	0.7	2.52	11
180970078	2013	4	18	16	V	0.08	0.7	3.32	75
180970078	2013	4	18	17	V	0.07	0.7	5.97	9
180970078	2013	4	18	18	V	0.05	0.7	5.26	282
180970078	2013	4	18	19	V	0.9	0.6	2.4	230
180970078	2013	4	18	20	V	0.08	0.6	2.1	107
180970078	2013	4	18	21	V	0.1	0.6	1.87	122
180970078	2013	4	18	22	V	0.06	0.7	3.35	156
180970078	2013	4	18	23	V	0.06	0.6	4.61	160
180970078	2013	4	18	24	V	0.04	0.5	7.25	285
180970078	2013	4	19	1	V	0.03	0.5	7.06	289
180970078	2013	4	19	2	V	0.03	0.4	7.74	286
180970078	2013	4	19	3	V	0.04	0.5	7.43	278
180970078	2013	4	19	4	V	0.04	0.4	8.03	275
180970078	2013	4	19	5	V	0.04	0.4	9.92	274
180970078	2013	4	19	6	V	0.01	0.4	8.96	271
180970078	2013	4	19	7	V	0.01	0.4	9.64	267
180970078	2013	4	19	8	V	0.01	0.4	9.03	263
180970078	2013	4	19	9	V	0.01	0.5	9.47	259
180970078	2013	4	19	10	V	0.02	0.6	10.63	247
180970078	2013	4	19	11	V	0.02	0.6	10.58	246
180970078	2013	4	19	12	V	0.02	0.8	10.14	244
180970078	2013	4	19	13	V	0.02	0.7	11	249
180970078	2013	4	19	14	V	0.01	1	10.92	243
180970078	2013	4	19	15	V	0.01	0.6	11.06	241
180970078	2013	4	19	16	V	0.03	0.6	9.42	246
180970078	2013	4	19	17	V	0.1	0.5	9.24	244
180970078	2013	4	19	18	V	0.1	0.5	8.78	242
180970078	2013	4	19	19	V	0.1	0.5	7.64	241
180970078	2013	4	19	20	V	0.1	0.6	7.21	242
180970078	2013	4	19	21	V	0.4	0.8	5.72	234
180970078	2013	4	19	22	V	0.2	0.7	6.52	235
180970078	2013	4	19	23	V	0.06	-999	7.13	259
180970078	2013	4	19	24	V	0.1	-999	5.48	239
180970078	2013	4	20	1	V	0.2	0.5	5.79	243
180970078	2013	4	20	2	V	0.1	0.5	5.14	257
180970078	2013	4	20	3	V	0.2	0.5	4.6	253
180970078	2013	4	20	4	V	0.03	0.5	5.16	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	20	5	V	0.04	0.5	3.35	265
180970078	2013	4	20	6	V	0.2	0.5	3.3	262
180970078	2013	4	20	7	V	0.2	0.6	3.54	253
180970078	2013	4	20	8	V	0.1	0.6	4.25	264
180970078	2013	4	20	9	V	0.05	0.6	5.36	296
180970078	2013	4	20	10	V	0.04	0.6	5.67	291
180970078	2013	4	20	11	V	0.03	0.6	5.89	287
180970078	2013	4	20	12	V	0.03	0.5	5.46	294
180970078	2013	4	20	13	V	0.04	0.5	5.09	293
180970078	2013	4	20	14	V	0.03	0.5	5.72	299
180970078	2013	4	20	15	V	0.04	0.5	4.8	315
180970078	2013	4	20	16	V	0.04	0.5	4.49	311
180970078	2013	4	20	17	V	0.02	0.5	4.51	325
180970078	2013	4	20	18	V	0.04	0.5	4.24	329
180970078	2013	4	20	19	V	0.04	0.5	4.37	334
180970078	2013	4	20	20	V	0.04	0.6	3.25	3
180970078	2013	4	20	21	V	0.04	0.6	3.83	8
180970078	2013	4	20	22	V	0.04	0.6	3.63	14
180970078	2013	4	20	23	V	0.04	0.5	3.4	29
180970078	2013	4	20	24	V	0.05	0.6	3.05	41
180970078	2013	4	21	1	V	0.06	0.5	2.83	47
180970078	2013	4	21	2	V	0.04	0.6	4.09	58
180970078	2013	4	21	3	V	0.04	0.6	5.12	74
180970078	2013	4	21	4	V	0.04	0.6	3.95	83
180970078	2013	4	21	5	V	0.06	0.5	3.68	82
180970078	2013	4	21	6	V	0.2	0.5	3.59	78
180970078	2013	4	21	7	V	0.1	0.5	3.83	82
180970078	2013	4	21	8	V	0.1	0.6	4.51	93
180970078	2013	4	21	9	V	0.04	0.6	5.9	94
180970078	2013	4	21	10	V	0.03	0.7	6.62	108
180970078	2013	4	21	11	V	0.06	0.8	5.48	112
180970078	2013	4	21	12	V	0.04	0.8	5.31	114
180970078	2013	4	21	13	V	0.1	0.8	4.07	115
180970078	2013	4	21	14	V	0.09	0.8	3.93	101
180970078	2013	4	21	15	V	0.09	0.7	4.03	85
180970078	2013	4	21	16	V	0.07	0.7	4.31	83
180970078	2013	4	21	17	V	0.03	0.7	4.14	89
180970078	2013	4	21	18	V	0.05	0.8	4.49	97
180970078	2013	4	21	19	V	0.05	0.9	5.21	92
180970078	2013	4	21	20	V	0.06	1	4.75	82
180970078	2013	4	21	21	V	0.06	1.2	4.07	83
180970078	2013	4	21	22	V	0.05	1.4	4.19	89
180970078	2013	4	21	23	V	0.05	1.1	3.76	95
180970078	2013	4	21	24	V	0.04	0.9	3.37	95
180970078	2013	4	22	1	V	0.04	0.9	4.14	105
180970078	2013	4	22	2	V	0.04	0.8	3.66	112

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	22	3	V	0.04	0.8	3.07	108
180970078	2013	4	22	4	V	0.05	0.8	2.78	101
180970078	2013	4	22	5	V	0.05	0.7	2.55	85
180970078	2013	4	22	6	V	0.4	0.6	2.74	59
180970078	2013	4	22	7	V	0.6	0.6	2.54	43
180970078	2013	4	22	8	V	0.8	1.7	2.38	78
180970078	2013	4	22	9	V	0.4	5.6	2.96	110
180970078	2013	4	22	10	V	0.5	8.3	2.5	128
180970078	2013	4	22	11	V	0.7	6.5	2.08	120
180970078	2013	4	22	12	V	1.0	4.5	1.77	143
180970078	2013	4	22	13	V	0.4	2.6	2.44	124
180970078	2013	4	22	14	V	0.3	1.9	2.81	141
180970078	2013	4	22	15	V	0.4	1.6	2.18	150
180970078	2013	4	22	16	V	0.1	1.5	3	153
180970078	2013	4	22	17	V	0.05	1.6	3.39	144
180970078	2013	4	22	18	V	0.04	1.5	3.85	123
180970078	2013	4	22	19	V	0.04	1.2	4.29	119
180970078	2013	4	22	20	V	0.04	1.3	4.03	115
180970078	2013	4	22	21	V	0.04	1.4	3.24	131
180970078	2013	4	22	22	V	0.04	1.3	3.4	135
180970078	2013	4	22	23	V	0.04	1.7	3.71	146
180970078	2013	4	22	24	V	0.04	1.8	4	148
180970078	2013	4	23	1	V	0.05	1.5	3.17	160
180970078	2013	4	23	2	V	0.06	1.3	2.71	148
180970078	2013	4	23	3	V	0.06	1.2	2.61	137
180970078	2013	4	23	4	V	0.06	1.2	4.31	130
180970078	2013	4	23	5	V	0.06	1.3	4.39	157
180970078	2013	4	23	6	V	0.2	1.3	3.41	148
180970078	2013	4	23	7	V	0.1	1.8	4.39	146
180970078	2013	4	23	8	V	0.1	1.6	4.32	146
180970078	2013	4	23	9	V	0.08	1.7	4.82	161
180970078	2013	4	23	10	V	0.06	2.2	5.24	177
180970078	2013	4	23	11	V	0.09	2.5	5.41	191
180970078	2013	4	23	12	V	0.07	3.7	6.3	193
180970078	2013	4	23	13	V	0.02	14.7	7.35	190
180970078	2013	4	23	14	V	8.4	2.3	8.15	209
180970078	2013	4	23	15	V	0.04	6.7	6.43	196
180970078	2013	4	23	16	V	0.05	3.6	4.48	170
180970078	2013	4	23	17	V	0.1	2.6	4.14	175
180970078	2013	4	23	18	V	0.06	1.5	3.73	185
180970078	2013	4	23	19	V	0.06	1.2	3.98	163
180970078	2013	4	23	20	V	0.06	1.1	4.17	151
180970078	2013	4	23	21	V	0.06	1.2	4.88	159
180970078	2013	4	23	22	V	0.05	1.2	5.96	173
180970078	2013	4	23	23	V	0.3	0.9	3.75	247
180970078	2013	4	23	24	V	0.06	1	2.23	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	24	1	V	0.05	0.8	3.53	275
180970078	2013	4	24	2	V	0.05	0.6	5.77	315
180970078	2013	4	24	3	V	0.05	0.6	5.67	312
180970078	2013	4	24	4	V	0.05	0.5	6.33	317
180970078	2013	4	24	5	V	0.05	0.5	5.36	321
180970078	2013	4	24	6	V	0.04	0.5	5.72	317
180970078	2013	4	24	7	V	0.04	0.5	6.04	319
180970078	2013	4	24	8	V	0.02	0.5	6.21	331
180970078	2013	4	24	9	V	0.02	0.5	6.65	332
180970078	2013	4	24	10	V	0.02	0.5	6.99	319
180970078	2013	4	24	11	V	0.01	0.5	9.46	316
180970078	2013	4	24	12	V	0.02	0.6	7.86	324
180970078	2013	4	24	13	V	0.02	0.7	7.52	311
180970078	2013	4	24	14	V	0.02	1	7.03	291
180970078	2013	4	24	15	V	0.02	0.8	6.55	287
180970078	2013	4	24	16	V	0.02	0.8	7.14	282
180970078	2013	4	24	17	V	0.01	0.8	7.47	280
180970078	2013	4	24	18	V	0.04	0.8	7.06	278
180970078	2013	4	24	19	V	0.04	0.7	5.31	271
180970078	2013	4	24	20	V	0.05	0.7	4.05	266
180970078	2013	4	24	21	V	0.2	0.6	3.61	253
180970078	2013	4	24	22	V	0.2	0.6	3.35	244
180970078	2013	4	24	23	V	0.2	0.6	3.54	254
180970078	2013	4	24	24	V	0.3	0.6	3.69	246
180970078	2013	4	25	1	V	2.4	0.7	3.22	226
180970078	2013	4	25	2	V	22.8	0.7	3.25	218
180970078	2013	4	25	3	V	14.8	1.6	3.25	207
180970078	2013	4	25	4	V	23.2	2.1	3.97	208
180970078	2013	4	25	5	V	5.6	2.2	3.73	204
180970078	2013	4	25	6	V	0.2	2.5	4.36	190
180970078	2013	4	25	7	V	2.0	3.6	4.31	196
180970078	2013	4	25	8	V	7.9	20.9	5.97	205
180970078	2013	4	25	9	V	16.3	43.3	6.87	212
180970078	2013	4	25	10	V	0.03	14	8.35	239
180970078	2013	4	25	11	V	0.04	3.9	8.11	248
180970078	2013	4	25	12	V	0.01	2.8	8.42	267
180970078	2013	4	25	13	V	0.01	1.6	10	264
180970078	2013	4	25	14	V	0.01	1.1	9.78	273
180970078	2013	4	25	15	V	0.01	0.9	9.22	272
180970078	2013	4	25	16	V	0.01	0.7	8.1	281
180970078	2013	4	25	17	V	0.01	0.8	7.69	280
180970078	2013	4	25	18	V	0.04	0.8	6.35	285
180970078	2013	4	25	19	V	0.04	1	5.07	283
180970078	2013	4	25	20	V	0.04	0.9	3.42	296
180970078	2013	4	25	21	V	0.2	1.1	1.64	303
180970078	2013	4	25	22	V	1.2	1.2	0.91	294

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	25	23	V	2.5	1.1	0.58	113
180970078	2013	4	25	24	V	0.2	1.2	1.71	116
180970078	2013	4	26	1	V	0.2	1.3	1.81	93
180970078	2013	4	26	2	V	0.09	1.1	2.27	109
180970078	2013	4	26	3	V	0.06	0.9	2.76	119
180970078	2013	4	26	4	V	0.05	0.8	3.22	127
180970078	2013	4	26	5	V	0.1	0.7	1.89	130
180970078	2013	4	26	6	V	0.3	0.7	3.01	136
180970078	2013	4	26	7	V	0.2	1	4.12	134
180970078	2013	4	26	8	V	0.1	1.6	4.9	139
180970078	2013	4	26	9	V	0.05	5	5.82	137
180970078	2013	4	26	10	V	0.05	4.1	5.7	139
180970078	2013	4	26	11	V	0.07	2.4	4.95	136
180970078	2013	4	26	12	V	0.1	1.7	3.75	161
180970078	2013	4	26	13	V	0.1	1.4	3.22	146
180970078	2013	4	26	14	V	0.2	1.3	3.12	144
180970078	2013	4	26	15	V	0.2	1.3	2.55	127
180970078	2013	4	26	16	V	0.5	2.2	1.77	139
180970078	2013	4	26	17	V	0.05	2.7	3.15	148
180970078	2013	4	26	18	V	0.06	1.7	3.61	131
180970078	2013	4	26	19	V	0.05	1.7	4.29	123
180970078	2013	4	26	20	V	0.05	1.6	3.61	126
180970078	2013	4	26	21	V	0.06	1.4	3.27	132
180970078	2013	4	26	22	V	0.05	1.2	3.32	137
180970078	2013	4	26	23	V	0.06	-999	2.42	147
180970078	2013	4	26	24	V	0.3	-999	1.37	187
180970078	2013	4	27	1	V	0.3	0.9	1.33	121
180970078	2013	4	27	2	V	0.09	0.8	1.96	75
180970078	2013	4	27	3	V	0.1	0.9	1.86	71
180970078	2013	4	27	4	V	0.05	0.8	2.66	95
180970078	2013	4	27	5	V	0.1	0.9	1.62	86
180970078	2013	4	27	6	V	0.4	0.9	1.79	72
180970078	2013	4	27	7	V	0.3	1.1	2.5	85
180970078	2013	4	27	8	V	0.4	1.6	2.59	87
180970078	2013	4	27	9	V	0.4	2.4	2.86	87
180970078	2013	4	27	10	V	0.2	2.7	3.71	122
180970078	2013	4	27	11	V	0.1	3.9	4.8	107
180970078	2013	4	27	12	V	0.03	6.7	5.75	128
180970078	2013	4	27	13	V	0.02	4.2	6.33	131
180970078	2013	4	27	14	V	0.02	3.6	6.53	149
180970078	2013	4	27	15	V	0.05	3.3	4.61	131
180970078	2013	4	27	16	V	0.04	1.6	4.8	118
180970078	2013	4	27	17	V	0.02	1.7	5.9	129
180970078	2013	4	27	18	V	0.05	1.4	5.56	128
180970078	2013	4	27	19	V	0.05	1.1	5.16	118
180970078	2013	4	27	20	V	0.06	1	4.41	113

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	27	21	V	0.06	0.8	4.08	114
180970078	2013	4	27	22	V	0.05	0.8	4.82	107
180970078	2013	4	27	23	V	0.05	0.7	4.87	113
180970078	2013	4	27	24	V	0.05	0.7	5.02	113
180970078	2013	4	28	1	V	0.05	0.7	4.71	111
180970078	2013	4	28	2	V	0.06	0.6	4.14	111
180970078	2013	4	28	3	V	0.06	0.6	4.22	121
180970078	2013	4	28	4	V	0.06	0.6	3.86	124
180970078	2013	4	28	5	V	0.06	0.6	3.44	135
180970078	2013	4	28	6	V	0.3	0.6	2.47	131
180970078	2013	4	28	7	V	0.6	0.6	2.03	123
180970078	2013	4	28	8	V	0.7	0.6	2.13	121
180970078	2013	4	28	9	V	0.4	0.6	2.74	128
180970078	2013	4	28	10	V	0.2	0.6	2.83	148
180970078	2013	4	28	11	V	0.2	0.6	3.37	178
180970078	2013	4	28	12	V	5.9	0.7	4.09	202
180970078	2013	4	28	13	V	0.4	0.9	3.59	236
180970078	2013	4	28	14	V	0.1	1.3	4.36	252
180970078	2013	4	28	15	V	0.09	1.1	5.89	248
180970078	2013	4	28	16	V	0.04	0.9	5.7	242
180970078	2013	4	28	17	V	0.3	0.7	4.71	246
180970078	2013	4	28	18	V	0.2	0.7	4.14	242
180970078	2013	4	28	19	V	0.2	0.7	2.78	242
180970078	2013	4	28	20	V	19.2	0.7	2.55	220
180970078	2013	4	28	21	V	0.09	0.6	2.71	239
180970078	2013	4	28	22	V	0.2	0.6	2.69	244
180970078	2013	4	28	23	V	0.1	0.6	2.4	242
180970078	2013	4	28	24	V	0.2	0.6	2.84	243
180970078	2013	4	29	1	V	0.3	0.6	3.12	246
180970078	2013	4	29	2	V	0.3	0.6	3.61	250
180970078	2013	4	29	3	V	0.3	0.6	3.25	246
180970078	2013	4	29	4	V	0.1	0.6	2.88	241
180970078	2013	4	29	5	V	0.3	0.7	2.96	245
180970078	2013	4	29	6	V	0.2	0.8	3.12	257
180970078	2013	4	29	7	V	0.2	0.7	3.66	270
180970078	2013	4	29	8	V	0.4	0.7	2.72	285
180970078	2013	4	29	9	V	12.4	0.8	1.62	232
180970078	2013	4	29	10	V	45.7	1.2	1.99	209
180970078	2013	4	29	11	V	26.2	1.3	2.55	223
180970078	2013	4	29	12	V	5.8	2.7	3.03	196
180970078	2013	4	29	13	V	0.5	13.9	2.98	186
180970078	2013	4	29	14	V	0.3	6.2	4.19	194
180970078	2013	4	29	15	V	0.1	3	4.14	167
180970078	2013	4	29	16	V	0.09	2	4.31	161
180970078	2013	4	29	17	V	0.05	1.5	4.31	165
180970078	2013	4	29	18	V	0.05	1.4	4.17	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	4	29	19	V	0.04	1.1	4.97	140
180970078	2013	4	29	20	V	0.05	0.9	4.44	140
180970078	2013	4	29	21	V	0.04	0.8	4.58	146
180970078	2013	4	29	22	V	0.04	0.8	5	150
180970078	2013	4	29	23	V	0.04	0.8	5.17	149
180970078	2013	4	29	24	V	0.04	0.8	4.88	154
180970078	2013	4	30	1	V	0.04	0.7	3.22	145
180970078	2013	4	30	2	V	0.04	0.7	3.05	135
180970078	2013	4	30	3	V	0.03	0.6	3.29	138
180970078	2013	4	30	4	V	0.05	0.6	2.93	122
180970078	2013	4	30	5	V	0.06	0.6	3.88	136
180970078	2013	4	30	6	V	0.2	0.6	3.64	140
180970078	2013	4	30	7	V	0.4	0.8	3.32	144
180970078	2013	4	30	8	V	0.2	1	3.93	152
180970078	2013	4	30	9	V	0.1	1.3	4.24	167
180970078	2013	4	30	10	V	0.08	1.6	4.71	168
180970078	2013	4	30	11	V	0.06	1.8	5.14	170
180970078	2013	4	30	12	V	0.09	2.2	5.04	184
180970078	2013	4	30	13	V	0.08	2.4	5.11	181
180970078	2013	4	30	14	V	0.1	2.4	4.76	189
180970078	2013	4	30	15	V	0.1	2.2	4.48	170
180970078	2013	4	30	16	V	0.06	2.1	5.19	141
180970078	2013	4	30	17	V	0.03	1.9	5.41	138
180970078	2013	4	30	18	V	0.04	1.5	6.82	133
180970078	2013	4	30	19	V	0.04	1.2	6.48	139
180970078	2013	4	30	20	V	0.05	1.1	4.54	141
180970078	2013	4	30	21	V	0.04	1	4.1	147
180970078	2013	4	30	22	V	0.04	1.3	3.92	145
180970078	2013	4	30	23	V	0.04	1.5	3.86	140
180970078	2013	4	30	24	V	0.04	1.1	4.73	137
180970078	2013	5	1	1	V	0.04	1	4.51	153
180970078	2013	5	1	2	V	0.04	0.9	3.3	159
180970078	2013	5	1	3	V	0.04	0.8	3.47	152
180970078	2013	5	1	4	V	0.04	0.6	3.52	163
180970078	2013	5	1	5	V	0.2	0.6	1.55	101
180970078	2013	5	1	6	V	0.9	0.6	1.67	64
180970078	2013	5	1	7	V	1.1	0.7	1.74	66
180970078	2013	5	1	8	V	0.9	1.1	2.22	106
180970078	2013	5	1	9	V	0.6	1.5	2.16	131
180970078	2013	5	1	10	V	0.4	1.4	2.66	177
180970078	2013	5	1	11	V	0.7	1.1	2.49	179
180970078	2013	5	1	12	V	0.2	0.9	2.76	166
180970078	2013	5	1	13	V	0.2	0.8	2.79	164
180970078	2013	5	1	14	V	0.06	0.8	4.17	131
180970078	2013	5	1	15	V	0.05	0.9	4.44	132
180970078	2013	5	1	16	V	0.04	0.9	4.39	122

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	1	17	V	0.03	0.8	3.95	124
180970078	2013	5	1	18	V	0.04	0.8	5.36	125
180970078	2013	5	1	19	V	0.05	0.9	3.85	127
180970078	2013	5	1	20	V	0.07	0.9	2.49	133
180970078	2013	5	1	21	V	0.2	0.9	1.62	105
180970078	2013	5	1	22	V	0.07	1	2.38	95
180970078	2013	5	1	23	V	0.07	1	2.45	83
180970078	2013	5	1	24	V	0.05	0.9	2.84	86
180970078	2013	5	2	1	V	0.05	1	3.91	104
180970078	2013	5	2	2	V	0.05	1.1	3.9	115
180970078	2013	5	2	3	V	0.05	1.3	4.37	125
180970078	2013	5	2	4	V	0.05	1.4	4.49	136
180970078	2013	5	2	5	V	0.09	1.5	3.63	132
180970078	2013	5	2	6	V	0.2	1.4	3.42	116
180970078	2013	5	2	7	V	0.1	1.8	4.24	121
180970078	2013	5	2	8	V	0.05	1.9	5.96	138
180970078	2013	5	2	9	V	0.03	1.6	6.36	141
180970078	2013	5	2	10	V	0.06	1.5	4.7	142
180970078	2013	5	2	11	V	0.04	1.7	4.68	138
180970078	2013	5	2	12	V	0.05	1.9	4.54	141
180970078	2013	5	2	13	V	0.04	2.2	4.83	131
180970078	2013	5	2	14	V	0.03	2.2	5.21	118
180970078	2013	5	2	15	V	0.03	1.4	5.38	128
180970078	2013	5	2	16	V	0.02	1.3	5.43	121
180970078	2013	5	2	17	V	0.02	1.3	5.16	120
180970078	2013	5	2	18	V	0.05	1	5.6	123
180970078	2013	5	2	19	V	0.05	1.2	5.62	131
180970078	2013	5	2	20	V	0.05	1.1	4.65	133
180970078	2013	5	2	21	V	0.05	1.1	3.78	140
180970078	2013	5	2	22	V	0.05	1	3.44	143
180970078	2013	5	2	23	V	0.05	1	3.18	141
180970078	2013	5	2	24	V	0.05	1.3	3.92	130
180970078	2013	5	3	1	V	0.05	1.2	4.02	137
180970078	2013	5	3	2	V	0.04	1	3.69	141
180970078	2013	5	3	3	V	0.05	0.9	3.47	127
180970078	2013	5	3	4	V	0.05	0.9	3.42	126
180970078	2013	5	3	5	V	0.07	0.9	3.18	118
180970078	2013	5	3	6	V	0.2	0.9	3.22	118
180970078	2013	5	3	7	V	0.2	1	3.78	128
180970078	2013	5	3	8	V	0.2	0.9	3.61	140
180970078	2013	5	3	9	V	0.2	0.9	3.81	125
180970078	2013	5	3	10	V	0.2	1.3	4.2	143
180970078	2013	5	3	11	V	0.3	2	3.66	136
180970078	2013	5	3	12	V	0.2	2	3.73	134
180970078	2013	5	3	13	V	0.2	1.6	3.85	121
180970078	2013	5	3	14	V	0.07	1.3	5.21	124

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	3	15	V	0.07	1.3	5.14	144
180970078	2013	5	3	16	V	0.03	1.2	5.27	128
180970078	2013	5	3	17	V	0.04	1	4.44	111
180970078	2013	5	3	18	V	0.06	1	4.9	115
180970078	2013	5	3	19	V	0.05	0.8	6.33	124
180970078	2013	5	3	20	V	0.05	0.7	5.72	119
180970078	2013	5	3	21	V	0.06	0.7	4.54	116
180970078	2013	5	3	22	V	0.04	2.6	6.77	117
180970078	2013	5	3	23	V	0.05	-999	5.79	121
180970078	2013	5	3	24	V	0.06	-999	4.56	126
180970078	2013	5	4	1	V	0.06	3.1	4.66	121
180970078	2013	5	4	2	V	0.06	2.7	4.82	122
180970078	2013	5	4	3	V	0.04	1.3	5.39	117
180970078	2013	5	4	4	V	0.04	0.9	6.13	116
180970078	2013	5	4	5	V	0.03	1.2	5.9	115
180970078	2013	5	4	6	V	0.03	2.6	6.18	109
180970078	2013	5	4	7	V	0.02	2.3	6.67	104
180970078	2013	5	4	8	V	0.02	1.6	6.89	107
180970078	2013	5	4	9	V	0.03	1.7	6.79	112
180970078	2013	5	4	10	V	0.03	2	6.53	109
180970078	2013	5	4	11	V	0.04	2	6.21	114
180970078	2013	5	4	12	V	0.04	2.2	5.87	120
180970078	2013	5	4	13	V	0.04	2.8	5.29	123
180970078	2013	5	4	14	V	0.05	1.8	5.04	153
180970078	2013	5	4	15	V	0.4	2.6	5.39	199
180970078	2013	5	4	16	V	0.2	1.6	5.36	198
180970078	2013	5	4	17	V	6.7	5.5	3.78	206
180970078	2013	5	4	18	V	25.9	17.4	4.17	218
180970078	2013	5	4	19	V	0.1	14	3.8	240
180970078	2013	5	4	20	V	0.05	2.1	3.52	277
180970078	2013	5	4	21	V	0.09	1.2	2.11	321
180970078	2013	5	4	22	V	0.4	1	1.38	326
180970078	2013	5	4	23	V	0.3	0.8	1.65	244
180970078	2013	5	4	24	V	0.07	0.7	2.22	194
180970078	2013	5	5	1	V	0.6	0.7	1.91	250
180970078	2013	5	5	2	V	0.08	0.7	2.22	306
180970078	2013	5	5	3	V	0.06	0.7	2.49	322
180970078	2013	5	5	4	V	0.06	0.6	3.95	337
180970078	2013	5	5	5	V	0.08	0.6	2.55	8
180970078	2013	5	5	6	V	0.2	0.6	3.07	31
180970078	2013	5	5	7	V	0.1	0.6	4.36	29
180970078	2013	5	5	8	V	0.2	0.6	3.92	45
180970078	2013	5	5	9	V	0.06	0.8	4.54	74
180970078	2013	5	5	10	V	0.06	0.9	4.71	84
180970078	2013	5	5	11	V	0.03	0.9	5.56	70
180970078	2013	5	5	12	V	0.02	1	6.11	81

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	5	13	V	0.03	0.8	5.85	73
180970078	2013	5	5	14	V	0.02	0.9	6.38	82
180970078	2013	5	5	15	V	0.02	1	6.69	90
180970078	2013	5	5	16	V	0.02	0.9	6.18	93
180970078	2013	5	5	17	V	0.02	0.7	5.28	84
180970078	2013	5	5	18	V	0.05	0.7	5.75	83
180970078	2013	5	5	19	V	0.05	0.6	5.31	78
180970078	2013	5	5	20	V	0.05	0.6	3.76	82
180970078	2013	5	5	21	V	0.05	0.7	3.98	82
180970078	2013	5	5	22	V	0.06	0.7	3.66	80
180970078	2013	5	5	23	V	0.05	0.7	3.85	35
180970078	2013	5	5	24	V	0.08	0.7	1.89	72
180970078	2013	5	6	1	V	0.07	0.7	2.08	61
180970078	2013	5	6	2	V	0.04	0.6	2.9	67
180970078	2013	5	6	3	V	0.05	0.6	2.66	34
180970078	2013	5	6	4	V	0.05	0.7	3.64	42
180970078	2013	5	6	5	V	0.06	0.6	4.14	58
180970078	2013	5	6	6	V	0.1	0.6	3.61	64
180970078	2013	5	6	7	V	0.3	0.6	3.3	59
180970078	2013	5	6	8	V	0.2	0.7	3.83	61
180970078	2013	5	6	9	V	0.1	0.7	4.36	67
180970078	2013	5	6	10	V	0.08	0.7	4.68	66
180970078	2013	5	6	11	V	0.05	0.9	5.41	61
180970078	2013	5	6	12	V	0.02	0.8	6.21	78
180970078	2013	5	6	13	V	0.03	0.9	6.41	78
180970078	2013	5	6	14	V	0.03	0.8	6.16	85
180970078	2013	5	6	15	V	0.02	0.8	6.77	89
180970078	2013	5	6	16	V	0.02	0.7	6.23	92
180970078	2013	5	6	17	V	0.02	0.7	5.8	82
180970078	2013	5	6	18	V	0.05	0.7	4.82	82
180970078	2013	5	6	19	V	0.05	0.7	5.96	81
180970078	2013	5	6	20	V	0.05	0.6	4.8	72
180970078	2013	5	6	21	V	0.05	0.6	4.03	77
180970078	2013	5	6	22	V	0.05	0.6	2.59	97
180970078	2013	5	6	23	V	0.09	0.6	2.08	95
180970078	2013	5	6	24	V	0.06	0.6	2.76	83
180970078	2013	5	7	1	V	0.09	0.6	1.99	64
180970078	2013	5	7	2	V	0.1	0.6	1.93	16
180970078	2013	5	7	3	V	0.05	0.6	2.72	50
180970078	2013	5	7	4	V	0.06	0.6	2.25	37
180970078	2013	5	7	5	V	0.1	0.6	1.71	40
180970078	2013	5	7	6	V	2.2	0.6	1.13	40
180970078	2013	5	7	7	V	2.7	0.6	1.11	35
180970078	2013	5	7	8	V	0.2	0.7	3.63	84
180970078	2013	5	7	9	V	0.3	0.8	2.61	71
180970078	2013	5	7	10	V	0.3	0.8	2.79	68

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	7	11	V	0.1	0.8	3.25	39
180970078	2013	5	7	12	V	0.06	0.7	4.27	61
180970078	2013	5	7	13	V	0.06	0.7	4.05	52
180970078	2013	5	7	14	V	0.09	0.7	3.37	62
180970078	2013	5	7	15	V	0.07	0.7	3.57	67
180970078	2013	5	7	16	V	0.08	0.8	2.86	61
180970078	2013	5	7	17	V	0.05	0.7	3.17	47
180970078	2013	5	7	18	V	0.07	0.8	2.2	89
180970078	2013	5	7	19	V	0.05	0.8	2.79	8
180970078	2013	5	7	20	V	0.1	0.7	1.91	359
180970078	2013	5	7	21	V	0.1	0.7	1.94	333
180970078	2013	5	7	22	V	0.06	0.6	4.02	23
180970078	2013	5	7	23	V	0.07	0.6	2.13	92
180970078	2013	5	7	24	V	0.3	0.6	1.43	341
180970078	2013	5	8	1	V	0.7	0.6	1.06	333
180970078	2013	5	8	2	V	2.2	0.6	0.65	81
180970078	2013	5	8	3	V	0.2	0.6	1.74	356
180970078	2013	5	8	4	V	0.1	0.6	1.93	355
180970078	2013	5	8	5	V	0.09	0.6	2.45	27
180970078	2013	5	8	6	V	0.8	0.6	1.84	359
180970078	2013	5	8	7	V	1.7	0.6	1.52	16
180970078	2013	5	8	8	V	2.2	0.8	1.47	339
180970078	2013	5	8	9	V	1.4	0.9	1.65	311
180970078	2013	5	8	10	V	0.6	0.9	2.08	308
180970078	2013	5	8	11	V	0.3	0.9	2.81	305
180970078	2013	5	8	12	V	0.5	0.8	2.08	289
180970078	2013	5	8	13	V	0.2	0.8	2.78	288
180970078	2013	5	8	14	V	0.1	0.7	2.89	278
180970078	2013	5	8	15	V	0.1	0.7	3.34	254
180970078	2013	5	8	16	V	0.07	0.7	3.05	275
180970078	2013	5	8	17	V	0.08	0.8	2.32	288
180970078	2013	5	8	18	V	0.05	0.7	4.92	269
180970078	2013	5	8	19	V	0.05	1.2	2.98	278
180970078	2013	5	8	20	V	0.2	0.7	2.32	234
180970078	2013	5	8	21	V	33.8	0.8	2.71	209
180970078	2013	5	8	22	V	0.06	1.1	2.56	192
180970078	2013	5	8	23	V	0.05	1	3.98	132
180970078	2013	5	8	24	V	0.05	0.8	3.81	146
180970078	2013	5	9	1	V	0.06	0.6	2.79	155
180970078	2013	5	9	2	V	0.07	0.6	2.23	149
180970078	2013	5	9	3	C	-999	0.6	0	0
180970078	2013	5	9	4	V	0.5	0.6	2.3	201
180970078	2013	5	9	5	V	0.2	0.6	1.96	194
180970078	2013	5	9	6	V	26.8	0.6	2.45	205
180970078	2013	5	9	7	V	42.5	0.9	2.52	213
180970078	2013	5	9	8	V	25.7	3.1	2.45	218

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	9	9	V	12.2	8.2	1.93	222
180970078	2013	5	9	10	V	3.5	6.5	2.44	235
180970078	2013	5	9	11	V	0.3	2.5	3.69	244
180970078	2013	5	9	12	V	1.6	2.5	4.51	231
180970078	2013	5	9	13	V	0.4	2.8	4.76	236
180970078	2013	5	9	14	V	0.03	4.2	4.9	299
180970078	2013	5	9	15	V	0.05	1.5	3.42	360
180970078	2013	5	9	16	V	0.1	1.1	2.2	331
180970078	2013	5	9	17	V	1.2	1.2	4.94	227
180970078	2013	5	9	18	V	0.06	1	2.47	90
180970078	2013	5	9	19	V	0.06	2	3.35	94
180970078	2013	5	9	20	V	0.06	1.3	4.19	120
180970078	2013	5	9	21	V	0.06	0.9	3.63	127
180970078	2013	5	9	22	V	0.06	0.8	2.71	119
180970078	2013	5	9	23	V	0.05	0.7	4.36	160
180970078	2013	5	9	24	V	0.04	0.7	3.85	175
180970078	2013	5	10	1	V	0.03	0.7	4.42	179
180970078	2013	5	10	2	V	0.03	1.5	4.17	187
180970078	2013	5	10	3	V	0.03	2.2	3.22	196
180970078	2013	5	10	4	V	21.7	1.8	2.84	217
180970078	2013	5	10	5	V	1.8	1.1	3.66	200
180970078	2013	5	10	6	V	26.4	1.1	3.03	211
180970078	2013	5	10	7	V	35.6	2	2.54	217
180970078	2013	5	10	8	V	29.9	4.4	2.74	215
180970078	2013	5	10	9	V	0.6	7.8	4.54	235
180970078	2013	5	10	10	V	0.1	4	4.14	248
180970078	2013	5	10	11	V	0.3	3.6	4.22	235
180970078	2013	5	10	12	V	0.1	2.7	3.58	251
180970078	2013	5	10	13	V	2.3	2.1	3.74	229
180970078	2013	5	10	14	V	0.1	1.7	3.63	240
180970078	2013	5	10	15	V	0.09	2.6	3.47	259
180970078	2013	5	10	16	V	0.1	2.3	3.73	247
180970078	2013	5	10	17	V	0.06	1.9	4.75	243
180970078	2013	5	10	18	V	0.06	0.9	3.64	320
180970078	2013	5	10	19	V	0.05	0.8	5.72	318
180970078	2013	5	10	20	V	0.04	0.6	6.43	327
180970078	2013	5	10	21	V	0.05	0.6	5.63	319
180970078	2013	5	10	22	V	0.05	0.6	5.65	326
180970078	2013	5	10	23	V	0.05	-999	5.26	334
180970078	2013	5	10	24	V	0.05	-999	4.58	327
180970078	2013	5	11	1	V	0.05	0.6	4.22	312
180970078	2013	5	11	2	V	0.05	0.5	4.76	309
180970078	2013	5	11	3	V	0.04	0.5	4.99	305
180970078	2013	5	11	4	V	0.04	0.5	5.05	300
180970078	2013	5	11	5	V	0.06	0.5	4.17	296
180970078	2013	5	11	6	V	0.06	0.5	4.63	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	11	7	V	0.1	0.5	3.83	315
180970078	2013	5	11	8	V	0.07	0.5	4.34	309
180970078	2013	5	11	9	V	0.08	0.5	3.83	299
180970078	2013	5	11	10	V	0.07	0.6	4.31	288
180970078	2013	5	11	11	V	0.08	0.6	4.1	280
180970078	2013	5	11	12	V	0.1	0.6	3.86	259
180970078	2013	5	11	13	V	0.1	0.7	4.54	249
180970078	2013	5	11	14	V	1.3	0.8	5.14	231
180970078	2013	5	11	15	V	0.06	1	5.77	242
180970078	2013	5	11	16	V	0.04	0.9	6.58	253
180970078	2013	5	11	17	V	0.04	2	8.06	249
180970078	2013	5	11	18	V	0.03	1.4	9.27	283
180970078	2013	5	11	19	V	0.03	0.7	9.85	299
180970078	2013	5	11	20	V	0.03	0.6	7.84	299
180970078	2013	5	11	21	V	0.03	0.6	7.69	306
180970078	2013	5	11	22	V	0.03	0.6	5.72	317
180970078	2013	5	11	23	V	0.04	0.6	3.52	317
180970078	2013	5	11	24	V	0.05	0.6	2.76	299
180970078	2013	5	12	1	V	0.04	0.5	2.91	280
180970078	2013	5	12	2	V	0.03	0.5	3.83	276
180970078	2013	5	12	3	V	0.03	0.5	3.81	281
180970078	2013	5	12	4	V	0.03	0.5	3.69	272
180970078	2013	5	12	5	V	0.06	0.5	3.93	279
180970078	2013	5	12	6	V	0.2	0.5	3.54	279
180970078	2013	5	12	7	V	0.1	0.6	3.95	289
180970078	2013	5	12	8	V	0.05	0.9	5.31	310
180970078	2013	5	12	9	V	0.04	1	5.68	312
180970078	2013	5	12	10	V	0.02	0.7	6.77	312
180970078	2013	5	12	11	V	0.02	0.8	6.89	303
180970078	2013	5	12	12	V	0.02	0.7	7.47	299
180970078	2013	5	12	13	V	0.02	0.5	7.26	290
180970078	2013	5	12	14	V	0.02	0.5	6.58	292
180970078	2013	5	12	15	V	0.01	0.5	7.35	293
180970078	2013	5	12	16	V	0.01	0.5	7.26	292
180970078	2013	5	12	17	V	0.01	0.5	6.53	292
180970078	2013	5	12	18	V	0.04	0.5	5.51	288
180970078	2013	5	12	19	V	0.04	0.5	5.68	290
180970078	2013	5	12	20	V	0.04	0.6	3.66	269
180970078	2013	5	12	21	V	0.3	0.6	3.3	245
180970078	2013	5	12	22	V	0.1	0.6	3.35	256
180970078	2013	5	12	23	V	0.07	0.6	3.29	257
180970078	2013	5	12	24	V	0.3	0.6	3.59	246
180970078	2013	5	13	1	V	0.05	0.5	2.59	279
180970078	2013	5	13	2	V	0.1	0.5	1.65	294
180970078	2013	5	13	3	V	0.1	0.5	1.67	260
180970078	2013	5	13	4	V	0.05	0.5	2.78	237

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	13	5	V	0.2	0.5	2.86	253
180970078	2013	5	13	6	V	0.6	0.7	2.08	258
180970078	2013	5	13	7	V	0.7	0.8	2.71	249
180970078	2013	5	13	8	V	0.4	0.9	2.69	263
180970078	2013	5	13	9	V	0.1	0.8	3.86	283
180970078	2013	5	13	10	V	0.04	0.7	5.44	301
180970078	2013	5	13	11	V	0.04	0.6	5.55	296
180970078	2013	5	13	12	V	0.03	0.8	6.11	302
180970078	2013	5	13	13	V	0.02	0.7	7.01	295
180970078	2013	5	13	14	V	0.03	0.6	5.94	293
180970078	2013	5	13	15	V	0.02	0.6	6.18	302
180970078	2013	5	13	16	V	0.03	0.6	5	289
180970078	2013	5	13	17	V	0.02	0.6	5.02	293
180970078	2013	5	13	18	V	0.05	0.6	4.8	273
180970078	2013	5	13	19	V	0.04	0.6	4.14	268
180970078	2013	5	13	20	V	0.06	0.7	2.64	269
180970078	2013	5	13	21	V	48.8	0.7	2.13	214
180970078	2013	5	13	22	V	0.06	0.8	2.86	189
180970078	2013	5	13	23	V	0.05	1.2	3.32	191
180970078	2013	5	13	24	V	0.05	1.4	3.9	191
180970078	2013	5	14	1	V	28.4	2.7	3.05	215
180970078	2013	5	14	2	V	0.1	3.8	3.49	198
180970078	2013	5	14	3	V	0.2	1.2	3.69	198
180970078	2013	5	14	4	V	0.03	1.4	4.15	187
180970078	2013	5	14	5	V	0.08	1.6	3.97	181
180970078	2013	5	14	6	V	0.09	1.6	4.44	175
180970078	2013	5	14	7	V	0.08	2.1	5	175
180970078	2013	5	14	8	V	0.08	2.6	5.1	175
180970078	2013	5	14	9	V	0.04	2.4	6.33	179
180970078	2013	5	14	10	V	0.02	1.9	7.52	183
180970078	2013	5	14	11	V	0.04	1.8	8.1	194
180970078	2013	5	14	12	V	0.4	1.8	7.52	198
180970078	2013	5	14	13	V	1.3	12.6	7.47	201
180970078	2013	5	14	14	V	5.3	12.7	8.73	210
180970078	2013	5	14	15	V	2.0	13.1	8.88	224
180970078	2013	5	14	16	V	0.2	5.6	9.98	232
180970078	2013	5	14	17	V	0.01	5.1	9.17	237
180970078	2013	5	14	18	V	0.08	2.3	8.47	238
180970078	2013	5	14	19	V	0.5	2.9	7.33	232
180970078	2013	5	14	20	V	9.9	2.3	3.9	222
180970078	2013	5	14	21	V	0.04	2.5	2.66	182
180970078	2013	5	14	22	V	0.03	3.9	4.29	179
180970078	2013	5	14	23	V	2.8	3	5.55	204
180970078	2013	5	14	24	V	10.5	4.7	5.6	208
180970078	2013	5	15	1	V	15.1	12.9	5.82	216
180970078	2013	5	15	2	V	0.4	17.2	7.3	232

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	15	3	V	0.2	4.7	5.72	234
180970078	2013	5	15	4	V	0.4	2.8	6.53	232
180970078	2013	5	15	5	V	0.1	2.4	6.5	234
180970078	2013	5	15	6	V	0.3	2.2	6.77	233
180970078	2013	5	15	7	V	0.09	2.7	7.5	236
180970078	2013	5	15	8	V	0.02	3.4	9.29	246
180970078	2013	5	15	9	V	0.02	3.8	10.53	250
180970078	2013	5	15	10	V	0.02	3.7	9.95	251
180970078	2013	5	15	11	V	0.01	2.4	9.12	256
180970078	2013	5	15	12	V	0.03	1.5	8.69	249
180970078	2013	5	15	13	V	0.04	1.5	7.84	239
180970078	2013	5	15	14	V	0.2	3.2	8.56	233
180970078	2013	5	15	15	V	0.02	1.7	8.42	245
180970078	2013	5	15	16	V	0.02	1.3	8.32	243
180970078	2013	5	15	17	V	0.02	1.5	8.35	244
180970078	2013	5	15	18	V	0.1	1.6	8.11	247
180970078	2013	5	15	19	V	0.4	1.5	8.3	233
180970078	2013	5	15	20	V	1.1	1.5	6.6	230
180970078	2013	5	15	21	V	18.3	1.8	4.48	217
180970078	2013	5	15	22	V	21.6	12	4.71	213
180970078	2013	5	15	23	V	0.5	13.1	6.31	232
180970078	2013	5	15	24	V	0.2	1.9	4.44	235
180970078	2013	5	16	1	V	3.4	1.3	3.59	227
180970078	2013	5	16	2	V	2.3	1.1	3.39	228
180970078	2013	5	16	3	V	0.08	1.1	2.95	238
180970078	2013	5	16	4	V	18.0	0.9	3.1	219
180970078	2013	5	16	5	V	1.1	0.9	2.67	233
180970078	2013	5	16	6	V	0.2	0.9	3.59	240
180970078	2013	5	16	7	V	1.1	1.1	2.72	240
180970078	2013	5	16	8	V	0.8	1.6	2.76	241
180970078	2013	5	16	9	V	1.2	1.8	3.63	235
180970078	2013	5	16	10	V	1.1	2.2	3.01	238
180970078	2013	5	16	11	V	4.6	2	1.93	234
180970078	2013	5	16	12	V	7.1	3.4	4.39	217
180970078	2013	5	16	13	V	3.7	7	7.54	221
180970078	2013	5	16	14	V	0.5	4	7.04	232
180970078	2013	5	16	15	V	0.8	1.5	4.94	232
180970078	2013	5	16	16	V	0.1	1	4.63	240
180970078	2013	5	16	17	V	1.9	1	4.53	227
180970078	2013	5	16	18	V	32.5	3.8	3.85	213
180970078	2013	5	16	19	V	7.9	19.4	4.51	205
180970078	2013	5	16	20	V	14.0	45	4.19	207
180970078	2013	5	16	21	V	27.0	19.2	4.31	210
180970078	2013	5	16	22	V	18.3	23	3.37	208
180970078	2013	5	16	23	V	16.5	10.8	2.88	220
180970078	2013	5	16	24	V	0.3	5.1	1.26	256

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	17	1	V	0.9	2.5	0.87	303
180970078	2013	5	17	2	V	0.2	1.9	1.45	173
180970078	2013	5	17	3	V	0.05	2.2	2.35	164
180970078	2013	5	17	4	V	0.05	1.7	2.42	176
180970078	2013	5	17	5	V	0.4	1.4	1.7	189
180970078	2013	5	17	6	V	0.9	1.3	1.3	128
180970078	2013	5	17	7	V	0.6	1.5	2.25	123
180970078	2013	5	17	8	V	7.9	4.3	0.91	199
180970078	2013	5	17	9	V	0.8	27.6	1.89	178
180970078	2013	5	17	10	V	0.3	8.1	2.25	125
180970078	2013	5	17	11	V	0.2	5.5	2.84	155
180970078	2013	5	17	12	V	0.09	2.9	3.64	155
180970078	2013	5	17	13	V	0.09	2.5	3.46	142
180970078	2013	5	17	14	V	0.08	2.1	3.51	156
180970078	2013	5	17	15	V	1.5	2.6	4.17	229
180970078	2013	5	17	16	V	0.09	1.4	2.18	145
180970078	2013	5	17	17	V	0.03	1.2	4.53	144
180970078	2013	5	17	18	V	0.06	1.3	4.46	141
180970078	2013	5	17	19	V	0.06	1.1	3.12	134
180970078	2013	5	17	20	V	0.06	0.9	2.39	132
180970078	2013	5	17	21	V	0.06	0.8	2.93	147
180970078	2013	5	17	22	V	0.06	0.7	2.38	125
180970078	2013	5	17	23	V	0.06	-999	2.49	110
180970078	2013	5	17	24	V	0.06	-999	2.9	117
180970078	2013	5	18	1	V	0.06	0.7	2.49	102
180970078	2013	5	18	2	V	0.07	0.7	2.3	108
180970078	2013	5	18	3	V	0.1	0.6	1.77	103
180970078	2013	5	18	4	V	0.1	0.6	1.74	88
180970078	2013	5	18	5	V	0.2	0.5	2.03	92
180970078	2013	5	18	6	V	0.4	0.5	2.25	76
180970078	2013	5	18	7	V	0.4	0.5	2.64	63
180970078	2013	5	18	8	V	0.3	0.7	2.86	59
180970078	2013	5	18	9	V	0.3	0.8	3.4	75
180970078	2013	5	18	10	V	0.3	0.9	3.2	92
180970078	2013	5	18	11	V	0.4	1	2.23	64
180970078	2013	5	18	12	V	0.2	1.1	2.83	74
180970078	2013	5	18	13	V	0.2	1	2.64	57
180970078	2013	5	18	14	V	0.1	1.3	3.15	65
180970078	2013	5	18	15	V	0.1	1.4	2.81	77
180970078	2013	5	18	16	V	0.06	1.4	3.81	94
180970078	2013	5	18	17	V	0.1	1.3	3.13	98
180970078	2013	5	18	18	V	0.07	1	2.67	100
180970078	2013	5	18	19	V	0.05	1.1	3.83	57
180970078	2013	5	18	20	V	0.06	1	3.81	147
180970078	2013	5	18	21	V	0.1	0.8	1.53	129
180970078	2013	5	18	22	V	0.1	0.7	1.89	97

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	18	23	V	0.05	0.6	2.64	128
180970078	2013	5	18	24	V	0.05	0.6	2.81	125
180970078	2013	5	19	1	V	0.1	0.5	1.87	116
180970078	2013	5	19	2	V	0.06	0.5	2.47	104
180970078	2013	5	19	3	V	0.4	0.5	1.26	190
180970078	2013	5	19	4	V	0.07	0.5	2.16	117
180970078	2013	5	19	5	V	0.4	0.4	1.76	151
180970078	2013	5	19	6	V	0.7	0.4	1.74	124
180970078	2013	5	19	7	V	0.8	0.4	1.94	97
180970078	2013	5	19	8	V	0.7	0.6	2.3	168
180970078	2013	5	19	9	V	12.8	17.4	1.57	200
180970078	2013	5	19	10	V	10.2	60.1	1.43	198
180970078	2013	5	19	11	V	6.0	59.6	1.67	193
180970078	2013	5	19	12	V	0.2	11	2.79	131
180970078	2013	5	19	13	V	0.1	4.4	3.42	140
180970078	2013	5	19	14	V	0.07	2.4	4.09	114
180970078	2013	5	19	15	V	0.06	1.8	4.05	177
180970078	2013	5	19	16	V	0.1	1.4	3.12	164
180970078	2013	5	19	17	V	0.06	1.4	3.34	172
180970078	2013	5	19	18	V	0.06	1.3	4.53	139
180970078	2013	5	19	19	V	0.04	1.2	4.83	139
180970078	2013	5	19	20	V	0.05	1.1	3.76	141
180970078	2013	5	19	21	V	0.05	1.1	3.8	156
180970078	2013	5	19	22	V	0.04	1	3.57	148
180970078	2013	5	19	23	V	0.05	1	4.29	146
180970078	2013	5	19	24	V	0.06	1	4.36	154
180970078	2013	5	20	1	V	0.05	1	4.99	166
180970078	2013	5	20	2	V	0.04	1	4.83	169
180970078	2013	5	20	3	V	0.04	0.9	3.97	170
180970078	2013	5	20	4	V	0.04	0.8	3.8	178
180970078	2013	5	20	5	V	0.09	0.7	4.39	166
180970078	2013	5	20	6	V	0.07	0.7	5.04	170
180970078	2013	5	20	7	V	1.0	0.9	4.31	194
180970078	2013	5	20	8	V	10.5	10.9	4.71	204
180970078	2013	5	20	9	V	0.5	20.4	4.95	195
180970078	2013	5	20	10	V	4.1	16.4	5.94	204
180970078	2013	5	20	11	V	15.2	10.5	6.21	217
180970078	2013	5	20	12	V	0.4	10.8	6.48	197
180970078	2013	5	20	13	V	0.02	4.8	7.62	189
180970078	2013	5	20	14	V	0.01	2.7	7.89	190
180970078	2013	5	20	15	V	0.02	2	7.88	193
180970078	2013	5	20	16	V	1.3	1.9	7.91	203
180970078	2013	5	20	17	V	1.0	3.2	7.33	202
180970078	2013	5	20	18	V	0.09	2.8	6.99	192
180970078	2013	5	20	19	V	0.05	1.4	6.3	185
180970078	2013	5	20	20	V	0.05	1.2	6.06	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	20	21	V	0.04	1.3	5.39	168
180970078	2013	5	20	22	V	0.04	1.1	5.67	170
180970078	2013	5	20	23	V	0.04	1	6.31	169
180970078	2013	5	20	24	V	0.04	0.9	6.82	184
180970078	2013	5	21	1	V	0.05	0.8	7.52	191
180970078	2013	5	21	2	V	0.04	0.8	7.84	187
180970078	2013	5	21	3	V	0.1	0.7	8.88	254
180970078	2013	5	21	4	V	19.9	0.5	3.41	208
180970078	2013	5	21	5	V	0.05	0.8	4.9	162
180970078	2013	5	21	6	V	0.1	0.7	4.63	190
180970078	2013	5	21	7	V	5.6	3.3	5.92	204
180970078	2013	5	21	8	V	0.05	3.3	5.46	148
180970078	2013	5	21	9	V	0.05	2.3	5.5	179
180970078	2013	5	21	10	V	0.04	2.3	6.3	184
180970078	2013	5	21	11	V	3.2	9	7.15	203
180970078	2013	5	21	12	V	13.4	18.5	7.08	211
180970078	2013	5	21	13	V	1.9	14.7	7.52	226
180970078	2013	5	21	14	V	11.9	13	7.35	214
180970078	2013	5	21	15	V	4.8	9.4	8.35	206
180970078	2013	5	21	16	V	9.9	15.4	9.2	211
180970078	2013	5	21	17	V	6.2	10.5	8.54	219
180970078	2013	5	21	18	V	10.8	9	5.97	204
180970078	2013	5	21	19	V	0.05	2	5.82	179
180970078	2013	5	21	20	V	0.05	1.5	6.11	185
180970078	2013	5	21	21	V	0.05	1.3	4.82	187
180970078	2013	5	21	22	V	0.05	1.3	3.78	194
180970078	2013	5	21	23	V	0.06	1.4	4.12	186
180970078	2013	5	21	24	V	0.06	1.4	4.44	188
180970078	2013	5	22	1	V	0.06	2.2	4.41	162
180970078	2013	5	22	2	V	15.1	1.8	5.09	207
180970078	2013	5	22	3	V	0.1	7	5.73	195
180970078	2013	5	22	4	V	0.04	6.2	5.65	186
180970078	2013	5	22	5	V	0.02	2.9	6.01	170
180970078	2013	5	22	6	V	0.1	2.6	5.96	195
180970078	2013	5	22	7	V	3.4	2	5.16	201
180970078	2013	5	22	8	V	0.9	5.3	4.7	196
180970078	2013	5	22	9	V	0.05	5.1	5.5	161
180970078	2013	5	22	10	V	0.02	3.4	7.13	181
180970078	2013	5	22	11	V	0.7	2.7	8.23	200
180970078	2013	5	22	12	V	11.0	1.8	8.16	210
180970078	2013	5	22	13	V	8.6	5.8	8	209
180970078	2013	5	22	14	V	0.3	7.3	8.15	198
180970078	2013	5	22	15	V	3.5	4.9	7.25	204
180970078	2013	5	22	16	V	10.6	13.2	7.3	210
180970078	2013	5	22	17	V	0.04	13.2	6.16	245
180970078	2013	5	22	18	V	0.2	2.5	4.95	240

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	22	19	V	0.1	1.6	3.12	237
180970078	2013	5	22	20	V	0.2	1.4	2.71	233
180970078	2013	5	22	21	V	0.05	0.8	4.59	263
180970078	2013	5	22	22	V	0.1	0.7	3.22	242
180970078	2013	5	22	23	V	0.1	0.6	3.18	241
180970078	2013	5	22	24	V	0.04	0.6	4.46	278
180970078	2013	5	23	1	V	0.3	0.5	2.95	232
180970078	2013	5	23	2	V	4.9	0.5	3.42	225
180970078	2013	5	23	3	V	0.1	0.5	3.35	241
180970078	2013	5	23	4	V	0.3	0.5	4	246
180970078	2013	5	23	5	V	0.05	0.5	4.82	255
180970078	2013	5	23	6	V	0.06	0.5	4.31	258
180970078	2013	5	23	7	V	0.1	0.5	3.88	250
180970078	2013	5	23	8	V	0.06	0.6	5.38	253
180970078	2013	5	23	9	V	0.04	0.7	5.63	257
180970078	2013	5	23	10	V	0.03	0.6	5.7	272
180970078	2013	5	23	11	V	0.03	0.7	5.39	273
180970078	2013	5	23	12	V	0.04	0.7	5.09	272
180970078	2013	5	23	13	V	0.04	0.5	6.04	277
180970078	2013	5	23	14	V	0.02	0.5	6.8	302
180970078	2013	5	23	15	V	0.02	0.5	7.08	314
180970078	2013	5	23	16	V	0.01	0.5	7.69	316
180970078	2013	5	23	17	V	0.01	0.7	8.39	319
180970078	2013	5	23	18	V	0.04	0.8	7.81	328
180970078	2013	5	23	19	V	0.04	0.4	8.1	328
180970078	2013	5	23	20	V	0.05	0.3	8	335
180970078	2013	5	23	21	V	0.05	0.3	7.42	334
180970078	2013	5	23	22	V	0.05	0.3	7.21	336
180970078	2013	5	23	23	V	0.05	0.3	7.33	337
180970078	2013	5	23	24	V	0.04	0.3	6.02	339
180970078	2013	5	24	1	V	0.04	0.3	5.04	338
180970078	2013	5	24	2	V	0.05	0.3	4.02	352
180970078	2013	5	24	3	V	0.04	0.3	3.18	345
180970078	2013	5	24	4	V	0.04	0.3	4.15	332
180970078	2013	5	24	5	V	0.07	0.4	4.51	336
180970078	2013	5	24	6	V	0.08	0.4	4.29	345
180970078	2013	5	24	7	V	0.1	0.3	4.44	335
180970078	2013	5	24	8	V	0.3	0.4	3.83	339
180970078	2013	5	24	9	V	0.2	0.4	3.69	355
180970078	2013	5	24	10	V	0.2	0.4	4.1	341
180970078	2013	5	24	11	V	0.1	0.4	4.29	330
180970078	2013	5	24	12	V	0.1	0.4	4.37	346
180970078	2013	5	24	13	V	0.1	0.4	4.22	344
180970078	2013	5	24	14	V	0.2	0.4	3.3	358
180970078	2013	5	24	15	V	0.1	0.4	3.63	333
180970078	2013	5	24	16	V	0.1	0.4	3.49	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	24	17	V	0.06	0.4	3.66	327
180970078	2013	5	24	18	V	0.06	0.4	2.66	5
180970078	2013	5	24	19	V	0.09	0.4	2.28	30
180970078	2013	5	24	20	V	0.1	0.4	1.89	29
180970078	2013	5	24	21	V	0.2	0.4	1.59	350
180970078	2013	5	24	22	V	0.5	0.4	1.18	359
180970078	2013	5	24	23	V	1.0	-999	0.96	39
180970078	2013	5	24	24	V	0.09	-999	2.32	326
180970078	2013	5	25	1	V	0.04	0.4	3.27	6
180970078	2013	5	25	2	V	0.03	0.4	2.98	355
180970078	2013	5	25	3	V	0.05	0.4	2.45	22
180970078	2013	5	25	4	V	0.03	0.3	3.4	32
180970078	2013	5	25	5	V	0.3	0.3	2.52	29
180970078	2013	5	25	6	V	0.4	0.3	2.25	34
180970078	2013	5	25	7	V	0.5	0.4	2.13	18
180970078	2013	5	25	8	V	0.5	0.4	2.23	17
180970078	2013	5	25	9	V	0.8	0.5	2.04	61
180970078	2013	5	25	10	V	7.8	0.7	1.6	236
180970078	2013	5	25	11	V	10.6	7.2	1.57	193
180970078	2013	5	25	12	V	4.2	12	0.92	341
180970078	2013	5	25	13	V	1.3	63.6	1.72	268
180970078	2013	5	25	14	V	0.3	9.9	3.49	269
180970078	2013	5	25	15	V	0.3	1.9	3.24	275
180970078	2013	5	25	16	V	0.7	1.6	1.93	285
180970078	2013	5	25	17	V	1.4	1.6	1.16	328
180970078	2013	5	25	18	V	0.4	1.8	2.67	199
180970078	2013	5	25	19	V	0.1	2	4.48	237
180970078	2013	5	25	20	V	0.05	1.9	3.44	283
180970078	2013	5	25	21	V	0.06	0.9	3.08	275
180970078	2013	5	25	22	V	0.05	0.7	3.81	279
180970078	2013	5	25	23	V	0.05	0.6	3.13	288
180970078	2013	5	25	24	V	0.05	0.5	2.5	279
180970078	2013	5	26	1	V	0.2	0.5	1.55	280
180970078	2013	5	26	2	V	0.07	0.4	2.01	69
180970078	2013	5	26	3	V	0.04	0.5	3.07	50
180970078	2013	5	26	4	V	0.04	0.5	2.73	46
180970078	2013	5	26	5	V	0.1	0.5	2.18	54
180970078	2013	5	26	6	V	0.4	0.5	2.06	83
180970078	2013	5	26	7	V	0.4	0.5	2.35	111
180970078	2013	5	26	8	V	0.4	0.5	2.66	116
180970078	2013	5	26	9	V	0.3	0.6	3.17	113
180970078	2013	5	26	10	V	0.1	0.6	3.66	118
180970078	2013	5	26	11	V	0.2	0.8	3.64	134
180970078	2013	5	26	12	V	0.1	0.9	3.95	123
180970078	2013	5	26	13	V	0.2	1.2	3.52	128
180970078	2013	5	26	14	V	0.3	1.2	2.45	155

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	26	15	V	0.4	1.2	2.16	162
180970078	2013	5	26	16	V	0.1	1.1	3.46	137
180970078	2013	5	26	17	V	0.04	1	4.6	122
180970078	2013	5	26	18	V	0.07	1.1	3.54	144
180970078	2013	5	26	19	V	0.06	1	3.93	163
180970078	2013	5	26	20	V	0.06	0.9	3.41	161
180970078	2013	5	26	21	V	0.06	0.8	3.69	137
180970078	2013	5	26	22	V	0.06	0.9	3.63	121
180970078	2013	5	26	23	V	0.06	1.1	3.9	60
180970078	2013	5	26	24	V	0.05	0.5	4.9	81
180970078	2013	5	27	1	V	0.05	0.5	4.05	99
180970078	2013	5	27	2	V	0.04	0.4	6.5	123
180970078	2013	5	27	3	V	0.04	0.4	6.28	107
180970078	2013	5	27	4	V	0.04	0.5	5.67	115
180970078	2013	5	27	5	V	0.03	0.5	4.92	109
180970078	2013	5	27	6	V	0.04	0.6	5.14	115
180970078	2013	5	27	7	V	0.08	0.6	4.58	117
180970078	2013	5	27	8	V	0.09	0.9	4.75	117
180970078	2013	5	27	9	V	0.02	1.1	6.86	123
180970078	2013	5	27	10	V	0.02	1.1	6.36	129
180970078	2013	5	27	11	V	0.03	1	5.85	137
180970078	2013	5	27	12	V	0.05	1.1	5.7	138
180970078	2013	5	27	13	V	0.05	1.2	5.36	152
180970078	2013	5	27	14	V	0.04	1.2	5.72	158
180970078	2013	5	27	15	V	0.02	1.2	6.82	182
180970078	2013	5	27	16	V	7.9	3	7.11	209
180970078	2013	5	27	17	V	9.5	5.2	7.13	210
180970078	2013	5	27	18	V	0.09	4.9	6.65	192
180970078	2013	5	27	19	V	2.9	1.7	6.55	201
180970078	2013	5	27	20	V	0.05	1.2	5.16	279
180970078	2013	5	27	21	V	0.2	0.7	2.67	234
180970078	2013	5	27	22	V	0.1	0.7	2.76	240
180970078	2013	5	27	23	V	20.2	0.8	2.15	208
180970078	2013	5	27	24	V	20.9	1.5	3.22	218
180970078	2013	5	28	1	V	28.7	8	3.69	211
180970078	2013	5	28	2	V	0.05	9.9	2.83	199
180970078	2013	5	28	3	V	0.03	3.3	3.2	175
180970078	2013	5	28	4	V	0.04	1.9	3.9	179
180970078	2013	5	28	5	V	0.1	1.7	4.61	193
180970078	2013	5	28	6	V	0.3	1.7	3.66	189
180970078	2013	5	28	7	V	2.0	1.9	4.02	196
180970078	2013	5	28	8	V	0.9	2.6	5.44	198
180970078	2013	5	28	9	V	0.04	3.4	5.94	188
180970078	2013	5	28	10	V	0.07	2.4	6.91	194
180970078	2013	5	28	11	V	0.3	2.5	7.91	200
180970078	2013	5	28	12	V	8.0	15.1	9.03	210

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	28	13	V	0.4	12.7	10.22	201
180970078	2013	5	28	14	V	3.8	3.3	10.05	207
180970078	2013	5	28	15	V	7.4	9.4	9.71	210
180970078	2013	5	28	16	V	2.2	9.8	9.37	205
180970078	2013	5	28	17	V	3.1	3.1	8.32	206
180970078	2013	5	28	18	V	15.1	6.5	6.57	206
180970078	2013	5	28	19	V	14.0	3.4	5.63	206
180970078	2013	5	28	20	V	1.8	1.9	5.27	201
180970078	2013	5	28	21	V	0.05	1.4	4.82	184
180970078	2013	5	28	22	V	0.04	1.2	5.09	187
180970078	2013	5	28	23	V	0.1	1.1	5.07	195
180970078	2013	5	28	24	V	0.04	1.2	5.17	178
180970078	2013	5	29	1	V	0.5	1.2	5.11	199
180970078	2013	5	29	2	V	0.04	1.3	4.9	183
180970078	2013	5	29	3	V	0.1	1.7	5.19	196
180970078	2013	5	29	4	V	15.7	4.9	5	208
180970078	2013	5	29	5	V	4.9	12.4	5.73	222
180970078	2013	5	29	6	V	4.9	10.1	5.89	223
180970078	2013	5	29	7	V	15.9	30.5	6.04	215
180970078	2013	5	29	8	V	16.8	43.6	6.35	214
180970078	2013	5	29	9	V	16.2	41.8	6.5	213
180970078	2013	5	29	10	V	7.8	40.3	8.5	217
180970078	2013	5	29	11	V	3.0	22	8.61	223
180970078	2013	5	29	12	V	8.5	12.9	8.67	213
180970078	2013	5	29	13	V	6.8	10.2	8.52	217
180970078	2013	5	29	14	V	7.6	12.6	8.88	211
180970078	2013	5	29	15	V	8.3	7.3	7.96	214
180970078	2013	5	29	16	V	3.4	8.2	7.45	205
180970078	2013	5	29	17	V	8.5	1.6	7.04	210
180970078	2013	5	29	18	V	0.01	-999	6.01	195
180970078	2013	5	29	19	V	0.05	-999	5.8	178
180970078	2013	5	29	20	V	0.05	-999	5.17	176
180970078	2013	5	29	21	V	0.04	-999	4.22	170
180970078	2013	5	29	22	V	0.04	-999	3.78	168
180970078	2013	5	29	23	V	0.04	-999	5.05	166
180970078	2013	5	29	24	V	0.03	-999	5.56	169
180970078	2013	5	30	1	V	0.03	-999	5.02	174
180970078	2013	5	30	2	V	0.03	-999	4.95	175
180970078	2013	5	30	3	V	0.03	-999	4.58	171
180970078	2013	5	30	4	V	0.03	-999	4.76	162
180970078	2013	5	30	5	V	0.04	-999	5.21	173
180970078	2013	5	30	6	V	0.03	-999	6.62	183
180970078	2013	5	30	7	V	0.02	-999	6.75	186
180970078	2013	5	30	8	V	0.02	-999	7.09	181
180970078	2013	5	30	9	V	0.02	-999	7.72	182
180970078	2013	5	30	10	V	0.02	-999	7.64	182

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	5	30	11	V	0.02	-999	9.44	193
180970078	2013	5	30	12	V	0.01	-999	9.41	187
180970078	2013	5	30	13	V	0.01	-999	8.81	184
180970078	2013	5	30	14	V	0.01	1.2	9.9	184
180970078	2013	5	30	15	V	0.1	1.2	9.37	197
180970078	2013	5	30	16	V	0.01	1.1	9.54	179
180970078	2013	5	30	17	V	0.01	1	9.34	183
180970078	2013	5	30	18	V	0.05	0.9	7.71	186
180970078	2013	5	30	19	V	0.04	0.8	6.21	172
180970078	2013	5	30	20	V	0.04	0.8	7.26	168
180970078	2013	5	30	21	V	0.04	0.8	7.04	167
180970078	2013	5	30	22	V	0.04	0.9	6.33	169
180970078	2013	5	30	23	V	0.04	1	7.26	172
180970078	2013	5	30	24	V	0.03	1.2	8.46	173
180970078	2013	5	31	1	V	0.04	1.4	5.36	173
180970078	2013	5	31	2	V	0.04	1.5	6.46	172
180970078	2013	5	31	3	V	0.03	1.4	4.86	152
180970078	2013	5	31	4	V	0.03	1.3	6.46	161
180970078	2013	5	31	5	V	0.02	1.1	6.96	164
180970078	2013	5	31	6	V	0.07	1.1	5.96	237
180970078	2013	5	31	7	V	0.1	1	5.36	246
180970078	2013	5	31	8	V	0.2	0.8	3.86	179
180970078	2013	5	31	9	V	0.02	1.2	7.46	151
180970078	2013	5	31	10	V	0.05	1.2	4.86	152
180970078	2013	5	31	11	V	0.1	1	3.86	170
180970078	2013	5	31	12	V	0.02	1	6.46	179
180970078	2013	5	31	13	V	0.02	0.9	6.46	191
180970078	2013	5	31	14	V	4.0	0.8	6.96	205
180970078	2013	5	31	15	V	0.03	0.9	6.96	195
180970078	2013	5	31	16	V	0.04	2.9	5.36	183
180970078	2013	5	31	17	V	0.01	2.9	7.46	182
180970078	2013	5	31	18	V	0.06	1.8	6.46	184
180970078	2013	5	31	19	V	0.05	1.5	6.46	184
180970078	2013	5	31	20	V	0.05	1.3	5.36	174
180970078	2013	5	31	21	V	0.05	1.1	4.86	181
180970078	2013	5	31	22	V	0.2	1.1	6.46	195
180970078	2013	5	31	23	V	0.05	-999	6.58	175
180970078	2013	5	31	24	V	0.05	-999	5.92	168
180970078	2013	6	1	1	V	0.05	1	6.33	171
180970078	2013	6	1	2	V	0.04	0.9	6.43	187
180970078	2013	6	1	3	V	0.05	0.9	4.24	301
180970078	2013	6	1	4	V	0.05	0.7	2.23	268
180970078	2013	6	1	5	V	20.2	0.7	2.47	213
180970078	2013	6	1	6	V	0.1	0.6	3.44	177
180970078	2013	6	1	7	V	0.02	0.8	6.4	140
180970078	2013	6	1	8	V	0.02	0.8	6.7	155

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	1	9	V	0.02	0.7	7.64	167
180970078	2013	6	1	10	V	0.01	0.7	8.27	171
180970078	2013	6	1	11	V	6.9	1.7	8.57	209
180970078	2013	6	1	12	V	9.5	5.2	8.78	212
180970078	2013	6	1	13	V	0.01	4.6	7.74	183
180970078	2013	6	1	14	V	0.01	2.3	8.5	177
180970078	2013	6	1	15	V	2.6	1.6	5.67	201
180970078	2013	6	1	16	V	19.2	1.3	4.73	210
180970078	2013	6	1	17	V	2.8	5.1	6.01	204
180970078	2013	6	1	18	V	14.3	11.4	5.58	205
180970078	2013	6	1	19	V	2.2	13.7	7.77	229
180970078	2013	6	1	20	V	16.7	10.4	6.12	220
180970078	2013	6	1	21	V	33.5	9.4	5.55	211
180970078	2013	6	1	22	V	33.0	17.1	5.21	213
180970078	2013	6	1	23	V	29.0	18.4	6.7	214
180970078	2013	6	1	24	V	4.7	10.7	6.74	226
180970078	2013	6	2	1	V	0.4	4.1	6.65	234
180970078	2013	6	2	2	V	1.1	2.4	5.85	230
180970078	2013	6	2	3	V	0.1	1.7	4.87	236
180970078	2013	6	2	4	V	2.2	1.5	4.44	228
180970078	2013	6	2	5	V	1.3	1.5	4.51	231
180970078	2013	6	2	6	V	0.7	1.4	4.73	234
180970078	2013	6	2	7	V	0.1	2.5	4.61	246
180970078	2013	6	2	8	V	0.06	3	5.1	257
180970078	2013	6	2	9	V	0.03	2.3	5.33	274
180970078	2013	6	2	10	V	0.02	1.5	5.72	279
180970078	2013	6	2	11	V	0.03	1.2	5	287
180970078	2013	6	2	12	V	0.2	1.1	2.5	252
180970078	2013	6	2	13	V	0.06	1	3.86	283
180970078	2013	6	2	14	V	0.1	0.9	3.22	245
180970078	2013	6	2	15	V	0.07	0.9	4.02	244
180970078	2013	6	2	16	V	0.03	0.9	5.46	276
180970078	2013	6	2	17	V	0.02	0.9	6.19	324
180970078	2013	6	2	18	V	0.07	0.7	5.87	330
180970078	2013	6	2	19	V	0.05	0.7	6.55	333
180970078	2013	6	2	20	V	0.05	0.6	6.21	348
180970078	2013	6	2	21	V	0.06	0.6	4.63	355
180970078	2013	6	2	22	V	0.05	0.5	4.07	360
180970078	2013	6	2	23	V	0.05	0.5	3.54	353
180970078	2013	6	2	24	V	0.04	0.5	3.32	352
180970078	2013	6	3	1	V	0.04	0.5	3.61	345
180970078	2013	6	3	2	V	0.03	0.5	4.09	334
180970078	2013	6	3	3	V	0.03	0.5	3.52	338
180970078	2013	6	3	4	V	0.03	0.5	3.01	356
180970078	2013	6	3	5	V	0.2	0.5	2.47	11
180970078	2013	6	3	6	V	0.4	0.5	2.74	13

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	3	7	V	0.2	0.6	3.07	13
180970078	2013	6	3	8	V	0.2	0.7	2.86	25
180970078	2013	6	3	9	V	0.2	0.7	2.91	13
180970078	2013	6	3	10	V	0.2	0.7	2.84	11
180970078	2013	6	3	11	V	0.3	0.6	2.45	5
180970078	2013	6	3	12	V	0.1	0.6	3.4	10
180970078	2013	6	3	13	V	0.1	0.6	3.17	26
180970078	2013	6	3	14	V	0.2	0.6	2.79	49
180970078	2013	6	3	15	V	0.5	0.6	1.89	6
180970078	2013	6	3	16	V	0.4	0.6	1.96	59
180970078	2013	6	3	17	V	0.2	0.6	2.04	52
180970078	2013	6	3	18	V	0.08	0.6	2.91	31
180970078	2013	6	3	19	V	0.05	0.6	2.89	24
180970078	2013	6	3	20	V	0.05	0.6	3.4	33
180970078	2013	6	3	21	V	0.04	0.6	3.63	31
180970078	2013	6	3	22	V	0.06	0.6	2.71	31
180970078	2013	6	3	23	V	0.05	0.5	2.76	15
180970078	2013	6	3	24	V	0.04	0.6	2.95	21
180970078	2013	6	4	1	V	0.03	0.6	3.23	36
180970078	2013	6	4	2	V	0.03	0.5	2.98	46
180970078	2013	6	4	3	V	0.03	0.5	3.15	39
180970078	2013	6	4	4	V	0.04	0.5	2.86	59
180970078	2013	6	4	5	V	0.2	0.5	2.84	54
180970078	2013	6	4	6	V	0.6	0.5	2.28	72
180970078	2013	6	4	7	V	1.2	0.6	1.94	40
180970078	2013	6	4	8	V	0.1	1.7	3.52	75
180970078	2013	6	4	9	V	0.1	1	4.15	111
180970078	2013	6	4	10	V	0.06	1.3	5.22	116
180970078	2013	6	4	11	V	0.06	1.4	5.31	96
180970078	2013	6	4	12	V	0.05	1.2	5.29	105
180970078	2013	6	4	13	V	0.05	1.2	5.16	100
180970078	2013	6	4	14	V	0.06	1.2	4.87	97
180970078	2013	6	4	15	V	0.07	1.3	4.2	90
180970078	2013	6	4	16	V	0.06	1.4	4.12	93
180970078	2013	6	4	17	V	0.06	1.5	3.58	84
180970078	2013	6	4	18	V	0.09	1.2	4.6	110
180970078	2013	6	4	19	V	0.06	1.1	3.93	115
180970078	2013	6	4	20	V	0.05	0.8	3.98	108
180970078	2013	6	4	21	V	0.05	0.7	2.9	92
180970078	2013	6	4	22	V	0.06	0.8	2.81	86
180970078	2013	6	4	23	V	0.05	0.7	2.69	82
180970078	2013	6	4	24	V	0.04	0.7	2.89	86
180970078	2013	6	5	1	V	0.05	0.8	3.22	89
180970078	2013	6	5	2	V	0.04	0.8	4.75	91
180970078	2013	6	5	3	V	0.04	0.7	4.87	96
180970078	2013	6	5	4	V	0.04	0.6	3.78	100

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	5	5	V	0.1	0.6	3.63	89
180970078	2013	6	5	6	V	0.3	0.6	2.81	88
180970078	2013	6	5	7	V	0.3	0.7	3.27	81
180970078	2013	6	5	8	V	0.2	1	3.47	75
180970078	2013	6	5	9	V	0.09	1.8	3.95	85
180970078	2013	6	5	10	V	0.1	-999	3.71	107
180970078	2013	6	5	11	V	0.1	-999	3.39	114
180970078	2013	6	5	12	V	0.7	1.6	1.84	121
180970078	2013	6	5	13	V	1.9	1.2	1.82	182
180970078	2013	6	5	14	V	0.4	1	2.2	116
180970078	2013	6	5	15	V	0.3	0.9	2.28	168
180970078	2013	6	5	16	V	0.2	0.8	2.47	165
180970078	2013	6	5	17	V	4.0	0.8	1.48	194
180970078	2013	6	5	18	V	0.03	0.8	1.59	178
180970078	2013	6	5	19	V	0.1	0.8	1.99	191
180970078	2013	6	5	20	V	43.5	0.8	1.59	217
180970078	2013	6	5	21	V	0.1	0.8	1.86	279
180970078	2013	6	5	22	V	0.1	0.7	1.98	356
180970078	2013	6	5	23	V	0.06	0.7	2.59	17
180970078	2013	6	5	24	V	0.06	0.8	3.08	20
180970078	2013	6	6	1	V	0.05	0.8	5.5	44
180970078	2013	6	6	2	V	0.04	0.8	5.62	47
180970078	2013	6	6	3	V	0.04	0.7	4.61	51
180970078	2013	6	6	4	V	0.04	0.7	3.71	48
180970078	2013	6	6	5	V	0.06	0.8	4	45
180970078	2013	6	6	6	V	0.09	0.8	4.02	48
180970078	2013	6	6	7	V	0.1	0.8	4.41	44
180970078	2013	6	6	8	V	0.3	0.7	3.35	43
180970078	2013	6	6	9	V	0.4	0.6	2.9	46
180970078	2013	6	6	10	V	0.4	0.7	3.25	21
180970078	2013	6	6	11	V	0.3	1	3.27	39
180970078	2013	6	6	12	V	0.2	1	3.12	34
180970078	2013	6	6	13	V	0.7	1.1	2.3	36
180970078	2013	6	6	14	V	0.8	1.3	1.96	47
180970078	2013	6	6	15	V	0.6	1.3	1.88	26
180970078	2013	6	6	16	V	0.4	1.3	1.81	19
180970078	2013	6	6	17	V	0.4	1.1	1.54	337
180970078	2013	6	6	18	V	0.2	1.1	1.79	31
180970078	2013	6	6	19	V	0.05	1	3.17	14
180970078	2013	6	6	20	V	0.05	0.9	4.44	39
180970078	2013	6	6	21	V	0.05	0.8	4.46	36
180970078	2013	6	6	22	V	0.05	0.7	3.27	41
180970078	2013	6	6	23	V	0.06	0.7	2.52	64
180970078	2013	6	6	24	V	0.05	0.6	3.3	79
180970078	2013	6	7	1	V	0.05	0.6	2.79	106
180970078	2013	6	7	2	V	0.05	0.6	2.49	101

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	7	3	V	0.05	0.6	3.49	79
180970078	2013	6	7	4	V	0.04	0.8	2.81	66
180970078	2013	6	7	5	V	0.09	0.9	3.3	50
180970078	2013	6	7	6	V	0.08	0.8	4.14	54
180970078	2013	6	7	7	V	0.1	0.8	3.98	42
180970078	2013	6	7	8	V	0.2	0.9	3.76	51
180970078	2013	6	7	9	V	0.3	1	3.44	81
180970078	2013	6	7	10	V	0.4	1.1	2.81	49
180970078	2013	6	7	11	V	0.5	1.4	2.57	32
180970078	2013	6	7	12	V	0.2	1.6	3.37	17
180970078	2013	6	7	13	V	0.2	2	3.32	37
180970078	2013	6	7	14	V	0.08	1.9	3.54	11
180970078	2013	6	7	15	V	0.04	1.7	5.36	339
180970078	2013	6	7	16	V	0.02	1.5	5.27	350
180970078	2013	6	7	17	V	0.02	1.2	5.12	344
180970078	2013	6	7	18	V	0.08	1.1	4.31	340
180970078	2013	6	7	19	V	0.06	0.9	3.54	352
180970078	2013	6	7	20	V	0.06	0.9	3	360
180970078	2013	6	7	21	V	0.06	0.8	2.86	350
180970078	2013	6	7	22	V	0.07	0.8	2.44	325
180970078	2013	6	7	23	V	0.06	-999	2.56	325
180970078	2013	6	7	24	V	0.07	-999	2.45	323
180970078	2013	6	8	1	V	0.09	0.7	1.94	355
180970078	2013	6	8	2	V	0.09	0.6	1.87	72
180970078	2013	6	8	3	V	0.03	0.5	2.96	89
180970078	2013	6	8	4	V	0.04	0.5	3.08	60
180970078	2013	6	8	5	V	0.08	0.5	3.32	69
180970078	2013	6	8	6	V	0.1	0.6	3.81	91
180970078	2013	6	8	7	V	0.2	0.8	3.58	106
180970078	2013	6	8	8	V	0.5	1.1	2.61	113
180970078	2013	6	8	9	V	0.6	1.3	2.21	107
180970078	2013	6	8	10	V	0.3	1.5	2.59	116
180970078	2013	6	8	11	V	0.09	1.6	3.93	135
180970078	2013	6	8	12	V	0.2	1.6	2.88	117
180970078	2013	6	8	13	V	0.2	1.5	2.84	141
180970078	2013	6	8	14	V	0.2	1.2	2.64	128
180970078	2013	6	8	15	V	0.2	1.3	2.52	154
180970078	2013	6	8	16	V	0.2	1.2	2.25	134
180970078	2013	6	8	17	V	0.1	2.6	2.4	158
180970078	2013	6	8	18	V	0.03	1.4	2.72	173
180970078	2013	6	8	19	V	0.06	1.6	2.52	191
180970078	2013	6	8	20	V	0.08	0.9	2.22	179
180970078	2013	6	8	21	V	0.08	0.8	2.4	193
180970078	2013	6	8	22	V	0.05	0.8	3.42	144
180970078	2013	6	8	23	V	0.05	0.8	3.95	130
180970078	2013	6	8	24	V	0.04	0.9	3.8	136

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	9	1	V	0.04	1	3.39	130
180970078	2013	6	9	2	V	0.04	0.9	2.83	125
180970078	2013	6	9	3	V	0.05	0.7	2.44	110
180970078	2013	6	9	4	V	0.05	0.7	2.72	131
180970078	2013	6	9	5	V	0.3	0.8	2.45	135
180970078	2013	6	9	6	V	1.9	0.8	1.13	100
180970078	2013	6	9	7	V	0.6	0.9	2.08	137
180970078	2013	6	9	8	V	0.5	1.3	2.25	139
180970078	2013	6	9	9	V	0.6	1.6	1.88	132
180970078	2013	6	9	10	V	0.1	2.4	3.13	167
180970078	2013	6	9	11	V	0.03	3.9	5.31	178
180970078	2013	6	9	12	V	0.05	2.5	4.6	173
180970078	2013	6	9	13	V	0.05	1.3	4.26	148
180970078	2013	6	9	14	V	0.03	0.9	4.63	165
180970078	2013	6	9	15	V	0.02	0.8	5.92	168
180970078	2013	6	9	16	V	0.02	0.7	5.72	163
180970078	2013	6	9	17	V	0.01	0.9	6.45	167
180970078	2013	6	9	18	V	0.08	1	4.88	157
180970078	2013	6	9	19	V	0.06	0.9	4.05	145
180970078	2013	6	9	20	V	0.06	0.8	3.05	136
180970078	2013	6	9	21	V	0.07	0.7	2.47	147
180970078	2013	6	9	22	V	0.3	0.7	1.38	100
180970078	2013	6	9	23	V	0.07	0.7	2.3	130
180970078	2013	6	9	24	V	0.06	0.7	4.17	151
180970078	2013	6	10	1	V	0.05	0.6	5	151
180970078	2013	6	10	2	V	2.1	0.6	5.48	229
180970078	2013	6	10	3	V	0.1	0.6	3.76	239
180970078	2013	6	10	4	V	0.9	0.5	2.16	230
180970078	2013	6	10	5	V	0.09	0.5	3.36	180
180970078	2013	6	10	6	V	27.8	0.6	3.86	211
180970078	2013	6	10	7	V	11.6	0.6	4.6	222
180970078	2013	6	10	8	V	0.7	0.9	5.22	233
180970078	2013	6	10	9	V	3.7	1.5	5.17	226
180970078	2013	6	10	10	V	7.9	3.3	5.51	220
180970078	2013	6	10	11	V	3.4	2.8	5.63	225
180970078	2013	6	10	12	V	0.08	1.5	6.28	240
180970078	2013	6	10	13	V	0.06	1.1	6.5	240
180970078	2013	6	10	14	V	0.06	0.9	7.06	239
180970078	2013	6	10	15	V	0.04	0.8	5.51	251
180970078	2013	6	10	16	V	0.03	0.7	6.19	254
180970078	2013	6	10	17	V	0.04	0.7	6.23	245
180970078	2013	6	10	18	V	0.03	0.8	6.45	251
180970078	2013	6	10	19	V	0.2	0.7	5.9	248
180970078	2013	6	10	20	V	0.2	0.7	4.94	242
180970078	2013	6	10	21	V	13.9	0.6	3.76	221
180970078	2013	6	10	22	V	0.8	0.7	3.44	230

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	10	23	V	0.3	0.6	3.42	232
180970078	2013	6	10	24	V	6.4	0.6	3.05	224
180970078	2013	6	11	1	V	2.1	0.6	3.3	227
180970078	2013	6	11	2	V	0.08	0.6	3.76	239
180970078	2013	6	11	3	V	0.2	0.6	3.61	244
180970078	2013	6	11	4	V	0.4	0.5	3.18	249
180970078	2013	6	11	5	V	0.3	0.5	3.1	245
180970078	2013	6	11	6	V	0.4	0.5	3.25	244
180970078	2013	6	11	7	V	2.9	0.7	2.54	238
180970078	2013	6	11	8	V	1.1	0.8	2.52	243
180970078	2013	6	11	9	V	0.4	0.8	2.59	260
180970078	2013	6	11	10	V	0.2	0.8	3.59	277
180970078	2013	6	11	11	V	0.2	0.9	3.56	267
180970078	2013	6	11	12	V	0.2	0.9	3.17	276
180970078	2013	6	11	13	V	4.0	0.9	3.52	229
180970078	2013	6	11	14	V	8.3	1.2	4.41	220
180970078	2013	6	11	15	V	9.2	1.3	4.77	218
180970078	2013	6	11	16	V	0.5	4.8	5.16	233
180970078	2013	6	11	17	V	1.0	2	5.92	228
180970078	2013	6	11	18	V	12.7	9.7	4.49	212
180970078	2013	6	11	19	V	36.4	6.2	4.97	215
180970078	2013	6	11	20	V	6.2	4	3.9	225
180970078	2013	6	11	21	V	5.4	9.9	3.3	204
180970078	2013	6	11	22	V	0.06	6.4	3.56	169
180970078	2013	6	11	23	V	0.06	-999	2.56	163
180970078	2013	6	11	24	V	0.05	-999	3.06	183
180970078	2013	6	12	1	V	0.05	-999	2.79	197
180970078	2013	6	12	2	V	33.1	-999	2.05	212
180970078	2013	6	12	3	V	34.4	-999	2.38	212
180970078	2013	6	12	4	V	1.5	-999	3.92	230
180970078	2013	6	12	5	V	0.2	-999	3.63	249
180970078	2013	6	12	6	V	0.3	-999	3.2	262
180970078	2013	6	12	7	V	1.9	-999	1.45	36
180970078	2013	6	12	8	V	4.5	-999	1.5	188
180970078	2013	6	12	9	V	5.4	-999	2.11	231
180970078	2013	6	12	10	V	1.6	-999	3.51	234
180970078	2013	6	12	11	V	0.7	-999	4.31	236
180970078	2013	6	12	12	V	0.2	-999	4.77	242
180970078	2013	6	12	13	V	1.5	-999	5.5	229
180970078	2013	6	12	14	V	9.2	-999	7.08	215
180970078	2013	6	12	15	V	6.5	-999	7.64	209
180970078	2013	6	12	16	V	8.3	-999	5.34	217
180970078	2013	6	12	17	V	7.1	-999	5.97	208
180970078	2013	6	12	18	V	12.0	-999	5.27	212
180970078	2013	6	12	19	V	27.4	-999	5.7	217
180970078	2013	6	12	20	V	12.1	-999	5.51	205

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	12	21	V	22.2	-999	6.86	208
180970078	2013	6	12	22	V	26.7	-999	6.52	214
180970078	2013	6	12	23	V	24.4	-999	8.67	212
180970078	2013	6	12	24	V	8.0	-999	9.76	224
180970078	2013	6	13	1	V	0.7	-999	9.25	233
180970078	2013	6	13	2	V	0.1	4.3	9.07	239
180970078	2013	6	13	3	V	0.2	2.5	7.71	249
180970078	2013	6	13	4	V	0.05	1.9	4.49	301
180970078	2013	6	13	5	V	1.4	1.4	2.11	236
180970078	2013	6	13	6	V	0.5	1.1	2.86	236
180970078	2013	6	13	7	V	0.01	0.9	8.39	327
180970078	2013	6	13	8	V	0.06	0.8	5.41	328
180970078	2013	6	13	9	V	0.02	0.8	7.59	328
180970078	2013	6	13	10	V	0.02	0.6	6.87	332
180970078	2013	6	13	11	V	0.02	0.6	6.5	331
180970078	2013	6	13	12	V	0.04	0.6	6.45	351
180970078	2013	6	13	13	V	0.03	0.6	7.15	2
180970078	2013	6	13	14	V	0.03	0.5	7.28	347
180970078	2013	6	13	15	V	0.02	0.5	7.91	333
180970078	2013	6	13	16	V	0.01	0.5	8.86	334
180970078	2013	6	13	17	V	0.01	0.6	9.39	339
180970078	2013	6	13	18	V	0.06	0.6	9	336
180970078	2013	6	13	19	V	0.05	0.6	8.73	342
180970078	2013	6	13	20	V	0.04	0.6	7.06	341
180970078	2013	6	13	21	V	0.04	0.4	5.36	334
180970078	2013	6	13	22	V	0.04	0.4	5.92	340
180970078	2013	6	13	23	V	0.04	0.4	5.45	337
180970078	2013	6	13	24	V	0.04	0.4	4.25	343
180970078	2013	6	14	1	V	0.03	0.3	3.63	350
180970078	2013	6	14	2	V	0.03	0.3	4.46	347
180970078	2013	6	14	3	V	0.03	0.4	3.8	353
180970078	2013	6	14	4	V	0.05	0.4	2.25	332
180970078	2013	6	14	5	V	0.2	0.4	2.5	316
180970078	2013	6	14	6	V	0.2	0.4	3.3	333
180970078	2013	6	14	7	V	0.2	0.5	3.57	356
180970078	2013	6	14	8	V	0.2	0.6	3.81	10
180970078	2013	6	14	9	V	0.2	0.7	3.83	22
180970078	2013	6	14	10	V	0.3	0.8	2.98	27
180970078	2013	6	14	11	V	0.6	1	2.16	31
180970078	2013	6	14	12	V	0.3	1	2.71	359
180970078	2013	6	14	13	V	0.2	0.8	2.98	9
180970078	2013	6	14	14	V	0.2	0.6	2.74	46
180970078	2013	6	14	15	V	0.3	0.5	2.28	32
180970078	2013	6	14	16	V	0.2	0.5	2.42	359
180970078	2013	6	14	17	V	0.1	0.5	2.5	322
180970078	2013	6	14	18	V	0.03	0.5	3.2	309

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	14	19	V	0.05	0.5	3.27	324
180970078	2013	6	14	20	V	0.05	0.5	3	355
180970078	2013	6	14	21	V	0.07	0.5	2.47	37
180970078	2013	6	14	22	V	0.07	0.5	2.33	71
180970078	2013	6	14	23	V	0.08	-999	2.04	86
180970078	2013	6	14	24	V	0.2	-999	1.62	98
180970078	2013	6	15	1	V	0.3	0.5	1.37	109
180970078	2013	6	15	2	V	0.6	0.4	1.01	119
180970078	2013	6	15	3	V	0.07	0.4	2.06	129
180970078	2013	6	15	4	V	0.05	0.4	2.42	124
180970078	2013	6	15	5	V	0.2	0.4	2.79	146
180970078	2013	6	15	6	V	1.1	0.4	1.21	138
180970078	2013	6	15	7	V	0.5	0.4	1.98	146
180970078	2013	6	15	8	V	24.4	1.7	2.22	205
180970078	2013	6	15	9	V	0.3	48.1	3.29	190
180970078	2013	6	15	10	V	0.2	58.4	3.37	178
180970078	2013	6	15	11	V	0.06	5.1	5.51	154
180970078	2013	6	15	12	V	0.05	3.8	6.26	188
180970078	2013	6	15	13	V	11.4	5.9	6.23	217
180970078	2013	6	15	14	V	13.4	11.1	6.21	213
180970078	2013	6	15	15	V	8.6	3.1	5.87	219
180970078	2013	6	15	16	V	7.9	2.7	5.7	220
180970078	2013	6	15	17	V	0.03	2.6	6.48	243
180970078	2013	6	15	18	V	0.3	2.8	4.73	231
180970078	2013	6	15	19	V	11.6	3.1	3.86	206
180970078	2013	6	15	20	V	21.0	17.3	3.46	208
180970078	2013	6	15	21	V	33.5	16.6	3.22	215
180970078	2013	6	15	22	V	42.3	4.7	2.32	213
180970078	2013	6	15	23	V	11.2	2.9	2.1	206
180970078	2013	6	15	24	V	2.2	2.2	2.3	203
180970078	2013	6	16	1	V	8.1	3.7	3.85	224
180970078	2013	6	16	2	V	0.04	3.1	10.1	263
180970078	2013	6	16	3	V	0.03	1.6	5.29	303
180970078	2013	6	16	4	V	0.5	1	3.22	233
180970078	2013	6	16	5	V	7.2	0.9	3.58	224
180970078	2013	6	16	6	V	6.6	1.5	4.24	204
180970078	2013	6	16	7	V	19.9	3.6	3.17	221
180970078	2013	6	16	8	V	0.1	3	4.9	238
180970078	2013	6	16	9	V	0.1	2.4	4.41	241
180970078	2013	6	16	10	V	0.08	2.1	5.11	243
180970078	2013	6	16	11	V	0.05	1.7	5.8	241
180970078	2013	6	16	12	V	1.6	1.8	5.61	228
180970078	2013	6	16	13	V	0.4	1.5	6.09	233
180970078	2013	6	16	14	V	0.2	1.3	5.99	233
180970078	2013	6	16	15	V	1.9	1	6.16	226
180970078	2013	6	16	16	V	0.2	1	5.14	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	16	17	V	0.05	1	5.39	244
180970078	2013	6	16	18	V	0.03	0.9	5.9	236
180970078	2013	6	16	19	V	0.2	0.8	4.9	243
180970078	2013	6	16	20	V	0.3	0.7	3.64	234
180970078	2013	6	16	21	V	25.4	0.7	4.03	208
180970078	2013	6	16	22	V	47.0	2.4	3.73	212
180970078	2013	6	16	23	V	23.7	5.4	3.22	218
180970078	2013	6	16	24	V	16.6	3.2	3.01	220
180970078	2013	6	17	1	V	1.5	2	2.13	229
180970078	2013	6	17	2	V	21.6	1.4	2.2	219
180970078	2013	6	17	3	V	34.8	1.2	2.27	213
180970078	2013	6	17	4	V	27.2	1.3	2.25	210
180970078	2013	6	17	5	V	9.2	1.5	1.47	231
180970078	2013	6	17	6	V	6.9	1.4	1.98	196
180970078	2013	6	17	7	V	23.6	1.3	1.67	204
180970078	2013	6	17	8	V	6.3	6.1	1.5	189
180970078	2013	6	17	9	V	12.8	7.6	1.14	222
180970078	2013	6	17	10	V	7.3	4.2	2.16	210
180970078	2013	6	17	11	V	7.1	8.9	2.52	216
180970078	2013	6	17	12	V	4.1	28.6	2.13	197
180970078	2013	6	17	13	V	6.2	17.8	2.52	207
180970078	2013	6	17	14	V	4.5	8.5	2.57	225
180970078	2013	6	17	15	V	0.4	9.2	1.99	283
180970078	2013	6	17	16	V	0.4	3	1.65	303
180970078	2013	6	17	17	V	0.1	1.6	1.86	300
180970078	2013	6	17	18	V	0.02	1.2	2.59	322
180970078	2013	6	17	19	V	0.08	1.6	2.08	333
180970078	2013	6	17	20	V	0.1	1.7	1.96	354
180970078	2013	6	17	21	V	0.2	1.6	1.69	1
180970078	2013	6	17	22	V	0.1	1.4	1.77	19
180970078	2013	6	17	23	V	10.6	1.6	4.36	223
180970078	2013	6	17	24	V	0.09	4.4	4.36	259
180970078	2013	6	18	1	V	0.3	2.2	2.86	250
180970078	2013	6	18	2	V	0.2	1.3	2.86	242
180970078	2013	6	18	3	V	0.05	1	2.86	274
180970078	2013	6	18	4	V	0.05	0.8	2.56	280
180970078	2013	6	18	5	V	0.4	0.7	2.27	260
180970078	2013	6	18	6	V	0.2	0.8	3.78	176
180970078	2013	6	18	7	V	32.5	4.1	3.29	211
180970078	2013	6	18	8	V	0.5	3.8	3.57	247
180970078	2013	6	18	9	V	0.6	2.8	2.55	307
180970078	2013	6	18	10	V	1.7	2.2	1.54	324
180970078	2013	6	18	11	V	0.5	1.8	2.2	351
180970078	2013	6	18	12	V	0.3	1.6	2.49	7
180970078	2013	6	18	13	V	0.3	1.3	2.57	48
180970078	2013	6	18	14	V	0.1	1.1	3.41	26

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	18	15	V	0.07	0.9	3.76	32
180970078	2013	6	18	16	V	0.03	0.8	5.16	16
180970078	2013	6	18	17	V	0.02	0.6	5.36	20
180970078	2013	6	18	18	V	0.02	0.7	5.44	30
180970078	2013	6	18	19	V	0.05	0.8	6.45	31
180970078	2013	6	18	20	V	0.05	0.7	5.39	41
180970078	2013	6	18	21	V	0.05	0.7	4.73	42
180970078	2013	6	18	22	V	0.05	0.6	3.07	31
180970078	2013	6	18	23	V	0.05	0.6	3.66	28
180970078	2013	6	18	24	V	0.04	0.8	4.83	67
180970078	2013	6	19	1	V	0.04	0.7	4.1	88
180970078	2013	6	19	2	V	0.03	0.6	4.73	76
180970078	2013	6	19	3	V	0.03	0.5	4.27	84
180970078	2013	6	19	4	V	0.03	0.5	3.86	85
180970078	2013	6	19	5	V	0.08	0.4	3.9	77
180970078	2013	6	19	6	V	0.1	0.4	3.78	77
180970078	2013	6	19	7	V	0.05	0.5	5.19	70
180970078	2013	6	19	8	V	0.1	0.6	4.75	78
180970078	2013	6	19	9	V	0.2	0.7	4.15	87
180970078	2013	6	19	10	V	0.2	0.8	3.73	82
180970078	2013	6	19	11	V	0.2	0.8	3.37	92
180970078	2013	6	19	12	V	0.2	0.7	3.42	115
180970078	2013	6	19	13	V	0.2	0.7	3.01	72
180970078	2013	6	19	14	V	0.4	0.7	2.18	20
180970078	2013	6	19	15	V	0.2	0.6	2.86	85
180970078	2013	6	19	16	V	0.1	0.6	2.61	103
180970078	2013	6	19	17	V	0.09	0.5	2.84	103
180970078	2013	6	19	18	V	0.03	0.5	2.55	149
180970078	2013	6	19	19	V	0.05	0.5	2.88	161
180970078	2013	6	19	20	V	0.05	0.5	2.81	181
180970078	2013	6	19	21	V	0.08	0.5	2.35	182
180970078	2013	6	19	22	V	0.2	0.6	1.48	155
180970078	2013	6	19	23	V	0.07	0.5	2.69	53
180970078	2013	6	19	24	V	0.07	0.5	2.35	81
180970078	2013	6	20	1	V	0.06	0.5	2.42	105
180970078	2013	6	20	2	V	0.08	0.4	1.98	103
180970078	2013	6	20	3	V	0.1	0.4	1.71	103
180970078	2013	6	20	4	V	0.1	0.4	1.69	127
180970078	2013	6	20	5	V	1.0	0.4	1.3	125
180970078	2013	6	20	6	V	0.6	0.5	2.01	114
180970078	2013	6	20	7	V	0.3	1.3	3.03	141
180970078	2013	6	20	8	V	0.2	2.2	3.85	145
180970078	2013	6	20	9	V	0.1	2.2	3.93	171
180970078	2013	6	20	10	V	0.09	2.5	3.85	178
180970078	2013	6	20	11	V	0.2	2.1	3.18	176
180970078	2013	6	20	12	V	0.2	2.4	3.06	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	20	13	V	0.2	1.7	3.71	181
180970078	2013	6	20	14	V	0.4	1.5	3.69	186
180970078	2013	6	20	15	V	0.2	0.9	2.54	166
180970078	2013	6	20	16	V	0.1	1	2.72	140
180970078	2013	6	20	17	V	0.1	0.8	2.52	172
180970078	2013	6	20	18	V	0.03	0.8	3.35	160
180970078	2013	6	20	19	V	0.05	0.7	2.93	176
180970078	2013	6	20	20	V	0.05	0.6	3.49	177
180970078	2013	6	20	21	V	0.05	0.7	3.08	171
180970078	2013	6	20	22	V	0.05	0.7	3.03	166
180970078	2013	6	20	23	V	0.05	0.7	3.12	151
180970078	2013	6	20	24	V	0.05	0.6	3.13	144
180970078	2013	6	21	1	V	0.06	0.5	2.44	131
180970078	2013	6	21	2	V	0.06	0.5	2.38	134
180970078	2013	6	21	3	V	0.05	0.5	2.57	125
180970078	2013	6	21	4	V	0.03	0.7	3.66	136
180970078	2013	6	21	5	V	0.1	0.8	3.52	134
180970078	2013	6	21	6	V	1.6	0.9	1.52	105
180970078	2013	6	21	7	V	0.4	2	3.29	123
180970078	2013	6	21	8	V	0.4	1.6	2.93	145
180970078	2013	6	21	9	V	0.3	1.3	2.83	144
180970078	2013	6	21	10	V	0.1	1.1	3.47	170
180970078	2013	6	21	11	V	0.09	0.9	4.12	161
180970078	2013	6	21	12	V	0.09	1.3	4.05	176
180970078	2013	6	21	13	V	0.06	1.1	4.7	168
180970078	2013	6	21	14	V	0.7	0.9	4.61	193
180970078	2013	6	21	15	V	0.09	2.2	4.7	187
180970078	2013	6	21	16	V	0.03	5	4.85	182
180970078	2013	6	21	17	V	2.6	8.2	4.22	201
180970078	2013	6	21	18	V	7.9	10	3.49	208
180970078	2013	6	21	19	V	34.2	12.6	3.12	209
180970078	2013	6	21	20	V	0.2	4.4	3.15	237
180970078	2013	6	21	21	V	2.1	1.3	3.54	202
180970078	2013	6	21	22	V	0.05	1.5	5.58	170
180970078	2013	6	21	23	V	0.06	-999	2.62	197
180970078	2013	6	21	24	V	0.5	-999	2.74	248
180970078	2013	6	22	1	V	0.3	2.2	1.7	253
180970078	2013	6	22	2	V	0.7	1.5	1.6	199
180970078	2013	6	22	3	V	0.04	2.2	3	164
180970078	2013	6	22	4	V	0.04	2.6	3	193
180970078	2013	6	22	5	V	30.0	2.1	3	214
180970078	2013	6	22	6	V	10.6	2.5	2.84	201
180970078	2013	6	22	7	V	4.2	6.7	3.47	199
180970078	2013	6	22	8	V	21.8	20.6	4.58	211
180970078	2013	6	22	9	V	21.7	25.3	4.46	208
180970078	2013	6	22	10	V	0.2	7.8	5.97	236

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	22	11	V	1.4	3.8	5.7	230
180970078	2013	6	22	12	V	0.8	2.4	5.04	231
180970078	2013	6	22	13	V	1.0	1.7	4.42	231
180970078	2013	6	22	14	V	9.4	1.3	5.99	217
180970078	2013	6	22	15	V	8.0	1.7	7.62	215
180970078	2013	6	22	16	V	0.03	6.7	5.95	243
180970078	2013	6	22	17	V	0.02	2.7	5.6	171
180970078	2013	6	22	18	V	0.07	1.5	6.45	172
180970078	2013	6	22	19	V	0.06	1.2	4.27	173
180970078	2013	6	22	20	V	0.2	2.8	3.44	244
180970078	2013	6	22	21	V	0.3	3.8	2.45	245
180970078	2013	6	22	22	V	0.8	2	1.21	248
180970078	2013	6	22	23	V	0.05	1.4	3.35	137
180970078	2013	6	22	24	V	0.04	1.2	3.17	122
180970078	2013	6	23	1	V	0.08	1	1.93	127
180970078	2013	6	23	2	V	0.05	0.7	2.56	115
180970078	2013	6	23	3	V	0.07	0.7	2.11	142
180970078	2013	6	23	4	V	0.5	0.6	2.15	251
180970078	2013	6	23	5	V	1.0	0.5	1.43	324
180970078	2013	6	23	6	V	0.8	0.5	1.84	91
180970078	2013	6	23	7	V	0.8	0.7	2.04	121
180970078	2013	6	23	8	V	1.0	8.1	2.06	176
180970078	2013	6	23	9	V	0.1	11.9	3.85	164
180970078	2013	6	23	10	V	0.09	4.9	4.39	177
180970078	2013	6	23	11	V	0.1	2.8	5.75	191
180970078	2013	6	23	12	V	7.2	14.7	7.13	209
180970078	2013	6	23	13	V	8.2	18.2	6.5	215
180970078	2013	6	23	14	V	0.4	5	6.65	196
180970078	2013	6	23	15	V	2.3	6.3	11.23	205
180970078	2013	6	23	16	V	0.01	2.9	7.48	264
180970078	2013	6	23	17	V	0.04	1.6	3.32	172
180970078	2013	6	23	18	V	0.03	4	3	147
180970078	2013	6	23	19	V	0.2	3.4	1.55	135
180970078	2013	6	23	20	V	0.06	2.5	2.66	142
180970078	2013	6	23	21	V	0.05	1.6	3.78	162
180970078	2013	6	23	22	V	0.05	1.2	2.93	157
180970078	2013	6	23	23	V	0.05	0.9	2.86	138
180970078	2013	6	23	24	V	0.05	0.8	3.64	136
180970078	2013	6	24	1	V	0.04	0.7	3.76	147
180970078	2013	6	24	2	V	0.04	0.6	3.17	139
180970078	2013	6	24	3	V	0.04	0.6	3.07	149
180970078	2013	6	24	4	V	0.05	0.7	2.4	145
180970078	2013	6	24	5	V	0.1	0.6	3.66	136
180970078	2013	6	24	6	V	0.2	0.5	3.57	155
180970078	2013	6	24	7	V	14.5	0.6	3.64	204
180970078	2013	6	24	8	V	4.0	2.6	4.41	229

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	24	9	V	0.4	2.7	6.06	233
180970078	2013	6	24	10	V	6.0	1.8	4.09	227
180970078	2013	6	24	11	V	15.9	14.8	3.86	214
180970078	2013	6	24	12	V	11.0	31	3.35	210
180970078	2013	6	24	13	V	5.1	17.1	3.1	227
180970078	2013	6	24	14	V	4.9	20.4	3.56	202
180970078	2013	6	24	15	V	0.7	8.3	4.7	194
180970078	2013	6	24	16	V	0.8	8.9	4.76	196
180970078	2013	6	24	17	V	5.5	28.8	4.97	206
180970078	2013	6	24	18	V	10.9	28.1	6.04	215
180970078	2013	6	24	19	V	30.2	11.7	5.99	216
180970078	2013	6	24	20	V	16.3	10	4.75	206
180970078	2013	6	24	21	V	34.0	43.8	3.42	209
180970078	2013	6	24	22	V	0.06	31.5	3.32	178
180970078	2013	6	24	23	V	0.05	6.6	5.11	170
180970078	2013	6	24	24	V	0.05	3.3	4.87	181
180970078	2013	6	25	1	V	0.05	2.3	4.31	187
180970078	2013	6	25	2	V	0.04	1.7	2.76	189
180970078	2013	6	25	3	V	0.04	1.4	2.78	192
180970078	2013	6	25	4	V	0.03	1.2	3.25	183
180970078	2013	6	25	5	V	0.2	1.1	2.76	174
180970078	2013	6	25	6	V	1.1	1.4	2.72	189
180970078	2013	6	25	7	V	2.7	8.6	4.14	197
180970078	2013	6	25	8	V	22.3	30.2	4.9	210
180970078	2013	6	25	9	V	9.1	30.6	6.14	220
180970078	2013	6	25	10	V	1.8	11.2	5.26	228
180970078	2013	6	25	11	V	0.06	4.3	5.62	241
180970078	2013	6	25	12	V	0.1	2.6	5.53	242
180970078	2013	6	25	13	V	0.2	1.9	6.75	236
180970078	2013	6	25	14	V	1.4	1.6	6.99	228
180970078	2013	6	25	15	V	0.7	1.4	6.52	231
180970078	2013	6	25	16	V	8.7	1.2	7.06	216
180970078	2013	6	25	17	V	10.3	1.5	6.7	212
180970078	2013	6	25	18	V	5.8	2.8	6.24	207
180970078	2013	6	25	19	V	3.7	5.7	5.07	201
180970078	2013	6	25	20	V	22.1	18.6	4.14	207
180970078	2013	6	25	21	V	0.2	15.2	5.1	195
180970078	2013	6	25	22	V	0.05	13.2	7.13	287
180970078	2013	6	25	23	V	32.6	4.5	5.89	211
180970078	2013	6	25	24	V	0.06	5.7	2.81	171
180970078	2013	6	26	1	V	8.2	5.6	2.52	224
180970078	2013	6	26	2	V	0.09	3.7	4.19	194
180970078	2013	6	26	3	V	8.3	5.2	4.36	224
180970078	2013	6	26	4	V	0.05	5.2	5.43	174
180970078	2013	6	26	5	V	0.1	4.8	3.98	182
180970078	2013	6	26	6	V	0.4	3.9	2.96	158

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	26	7	V	0.3	2.5	3.17	168
180970078	2013	6	26	8	V	0.3	2.5	3.2	179
180970078	2013	6	26	9	V	0.2	2.4	3.8	171
180970078	2013	6	26	10	V	0.09	2.2	3.98	173
180970078	2013	6	26	11	V	0.08	2.1	3.8	181
180970078	2013	6	26	12	V	9.1	3.2	5.31	214
180970078	2013	6	26	13	V	6.2	5.8	6.41	215
180970078	2013	6	26	14	V	2.1	6.9	7.3	205
180970078	2013	6	26	15	V	0.3	7	6.14	199
180970078	2013	6	26	16	V	0.03	5.7	4.2	258
180970078	2013	6	26	17	V	0.04	4.5	5.24	241
180970078	2013	6	26	18	V	8.6	2.8	3.61	205
180970078	2013	6	26	19	V	0.04	7	3.37	188
180970078	2013	6	26	20	V	0.04	8.1	3.66	160
180970078	2013	6	26	21	V	0.04	3.7	2.89	157
180970078	2013	6	26	22	V	0.04	2.3	3.86	176
180970078	2013	6	26	23	V	22.0	1.6	2.38	210
180970078	2013	6	26	24	V	0.03	1.9	2.74	187
180970078	2013	6	27	1	V	0.04	1.8	3.3	196
180970078	2013	6	27	2	V	4.9	1.4	3.15	226
180970078	2013	6	27	3	V	0.1	1.7	3.76	241
180970078	2013	6	27	4	V	0.3	1.6	3.49	246
180970078	2013	6	27	5	V	0.2	1.4	3.78	247
180970078	2013	6	27	6	V	0.3	1.2	3.25	246
180970078	2013	6	27	7	V	0.1	1.2	3.71	262
180970078	2013	6	27	8	V	0.09	1.4	4.37	292
180970078	2013	6	27	9	V	0.04	1.9	5.62	300
180970078	2013	6	27	10	V	0.03	-999	5.7	315
180970078	2013	6	27	11	V	0.02	-999	6.01	320
180970078	2013	6	27	12	V	0.02	1.6	6.04	315
180970078	2013	6	27	13	V	0.02	1.5	6.41	317
180970078	2013	6	27	14	V	0.02	1.4	5.9	312
180970078	2013	6	27	15	V	0.01	1.4	6.77	321
180970078	2013	6	27	16	V	0.01	1.1	6.4	305
180970078	2013	6	27	17	V	0.01	0.9	7.43	289
180970078	2013	6	27	18	V	0.01	0.8	7.08	291
180970078	2013	6	27	19	V	0.03	0.7	6.5	286
180970078	2013	6	27	20	V	0.03	0.6	4.92	268
180970078	2013	6	27	21	V	0.2	0.6	4.19	244
180970078	2013	6	27	22	V	0.3	0.6	3.42	251
180970078	2013	6	27	23	V	0.09	0.8	4.53	257
180970078	2013	6	27	24	V	0.1	0.9	5.26	256
180970078	2013	6	28	1	V	0.02	0.8	6.23	265
180970078	2013	6	28	2	V	0.02	0.8	6.16	275
180970078	2013	6	28	3	V	0.02	0.7	5.79	274
180970078	2013	6	28	4	V	0.02	0.7	5.27	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	28	5	V	0.02	0.6	5.44	273
180970078	2013	6	28	6	V	0.06	0.6	4.41	268
180970078	2013	6	28	7	V	0.05	0.7	4.82	275
180970078	2013	6	28	8	V	0.03	0.8	5.77	275
180970078	2013	6	28	9	V	0.03	0.9	5.7	273
180970078	2013	6	28	10	V	0.02	0.8	6.02	284
180970078	2013	6	28	11	V	0.01	0.8	6.97	288
180970078	2013	6	28	12	V	0.01	0.6	6.79	295
180970078	2013	6	28	13	V	0.01	0.6	7.69	293
180970078	2013	6	28	14	V	0.01	0.5	7.94	280
180970078	2013	6	28	15	V	0.01	0.5	6.69	306
180970078	2013	6	28	16	V	0.04	0.4	3.51	352
180970078	2013	6	28	17	V	0.01	0.5	5.77	294
180970078	2013	6	28	18	V	0.01	0.5	5.8	310
180970078	2013	6	28	19	V	0.03	0.5	5.44	279
180970078	2013	6	28	20	V	0.03	0.4	5.79	305
180970078	2013	6	28	21	V	0.03	0.4	5.41	343
180970078	2013	6	28	22	V	0.03	0.4	2.69	274
180970078	2013	6	28	23	V	0.07	-999	3.49	239
180970078	2013	6	28	24	V	0.2	-999	3.8	245
180970078	2013	6	29	1	V	0.03	0.4	3.2	259
180970078	2013	6	29	2	V	0.3	0.4	2.78	245
180970078	2013	6	29	3	V	0.09	0.3	3.91	240
180970078	2013	6	29	4	V	0.2	0.3	3.15	244
180970078	2013	6	29	5	V	0.2	0.3	3.2	249
180970078	2013	6	29	6	V	0.2	0.3	3.25	261
180970078	2013	6	29	7	V	0.1	0.3	3.23	270
180970078	2013	6	29	8	V	0.09	0.4	3.56	278
180970078	2013	6	29	9	V	0.1	0.5	3.22	284
180970078	2013	6	29	10	V	0.09	0.5	2.84	284
180970078	2013	6	29	11	V	0.09	0.5	2.79	284
180970078	2013	6	29	12	V	0.08	0.8	2.88	4
180970078	2013	6	29	13	V	0.2	1	2.08	356
180970078	2013	6	29	14	V	0.1	0.7	2.44	359
180970078	2013	6	29	15	V	0.03	0.5	3.8	352
180970078	2013	6	29	16	V	0.1	0.4	1.99	57
180970078	2013	6	29	17	V	0.09	0.5	1.84	49
180970078	2013	6	29	18	V	0.06	0.5	3.68	26
180970078	2013	6	29	19	V	0.04	0.4	3.61	24
180970078	2013	6	29	20	V	0.04	0.4	3.76	32
180970078	2013	6	29	21	V	0.04	0.4	2.57	52
180970078	2013	6	29	22	V	0.04	0.4	2.71	34
180970078	2013	6	29	23	V	0.03	0.3	2.84	24
180970078	2013	6	29	24	V	0.03	0.3	3.07	10
180970078	2013	6	30	1	V	0.03	0.3	2.54	1
180970078	2013	6	30	2	V	0.03	0.3	2.67	2

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	6	30	3	V	0.05	0.3	1.98	356
180970078	2013	6	30	4	V	0.05	0.3	2.22	3
180970078	2013	6	30	5	V	0.08	0.3	3.49	14
180970078	2013	6	30	6	V	0.1	0.3	3.32	16
180970078	2013	6	30	7	V	0.1	0.3	3.58	24
180970078	2013	6	30	8	V	0.4	0.3	2.33	37
180970078	2013	6	30	9	V	0.4	0.3	2.55	45
180970078	2013	6	30	10	V	0.1	0.3	3.75	18
180970078	2013	6	30	11	V	0.04	0.4	5.21	19
180970078	2013	6	30	12	V	0.06	0.4	5.26	13
180970078	2013	6	30	13	V	0.05	0.4	5.26	9
180970078	2013	6	30	14	V	0.03	0.4	6.36	4
180970078	2013	6	30	15	V	0.02	0.4	6.11	20
180970078	2013	6	30	16	V	0.02	0.4	5.56	353
180970078	2013	6	30	17	V	0.02	0.3	6.06	44
180970078	2013	6	30	18	V	0.07	0.3	5.43	52
180970078	2013	6	30	19	V	0.06	0.4	4.32	39
180970078	2013	6	30	20	V	0.06	0.4	4.68	39
180970078	2013	6	30	21	V	0.05	0.4	5.92	23
180970078	2013	6	30	22	V	0.06	0.4	3.39	15
180970078	2013	6	30	23	V	0.05	0.4	4.09	17
180970078	2013	6	30	24	V	0.04	0.4	5.02	19
180970078	2013	7	1	1	V	0.04	0.4	4.49	33
180970078	2013	7	1	2	V	0.04	0.4	4.54	39
180970078	2013	7	1	3	V	0.04	0.3	5.05	29
180970078	2013	7	1	4	V	0.04	0.4	4.83	34
180970078	2013	7	1	5	V	0.02	0.5	6.53	31
180970078	2013	7	1	6	V	0.02	1	6.58	31
180970078	2013	7	1	7	V	0.03	1.2	5.62	40
180970078	2013	7	1	8	V	0.06	1.7	5.36	39
180970078	2013	7	1	9	V	0.04	1.9	5.94	42
180970078	2013	7	1	10	V	0.05	1.9	5.6	37
180970078	2013	7	1	11	V	0.05	1.5	5.85	47
180970078	2013	7	1	12	V	0.03	1.2	6.09	46
180970078	2013	7	1	13	V	0.03	0.7	5.89	47
180970078	2013	7	1	14	V	0.03	0.5	4.88	43
180970078	2013	7	1	15	V	0.03	0.5	4.73	39
180970078	2013	7	1	16	V	0.04	0.6	4.03	28
180970078	2013	7	1	17	V	0.02	0.5	6.19	30
180970078	2013	7	1	18	V	0.06	0.4	6.72	31
180970078	2013	7	1	19	V	0.05	0.4	6.64	37
180970078	2013	7	1	20	V	0.05	0.4	5.79	33
180970078	2013	7	1	21	V	0.05	0.5	5.48	44
180970078	2013	7	1	22	V	0.05	0.5	6.43	53
180970078	2013	7	1	23	V	0.05	0.4	5.26	48
180970078	2013	7	1	24	V	0.04	0.4	5.82	49

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	2	1	V	0.04	0.4	5.38	55
180970078	2013	7	2	2	V	0.03	0.3	5.87	31
180970078	2013	7	2	3	V	0.04	0.3	5.5	31
180970078	2013	7	2	4	V	0.04	0.3	4.54	38
180970078	2013	7	2	5	V	0.04	0.3	4.41	48
180970078	2013	7	2	6	V	0.09	0.3	4.17	40
180970078	2013	7	2	7	V	0.08	0.3	4.36	33
180970078	2013	7	2	8	V	0.06	0.3	3.93	40
180970078	2013	7	2	9	V	0.08	0.4	3.73	37
180970078	2013	7	2	10	V	0.1	0.4	3.18	60
180970078	2013	7	2	11	V	0.2	0.4	2.59	44
180970078	2013	7	2	12	V	0.2	0.4	2.42	35
180970078	2013	7	2	13	V	0.1	0.5	2.96	20
180970078	2013	7	2	14	V	0.2	0.5	3.42	3
180970078	2013	7	2	15	V	0.08	0.5	3.64	4
180970078	2013	7	2	16	V	0.2	0.5	3.1	7
180970078	2013	7	2	17	V	0.2	0.5	2.76	41
180970078	2013	7	2	18	V	0.09	0.4	4.03	38
180970078	2013	7	2	19	V	0.06	0.4	4	326
180970078	2013	7	2	20	V	0.05	0.4	3.59	352
180970078	2013	7	2	21	V	0.4	0.4	1.08	357
180970078	2013	7	2	22	V	0.3	0.4	1.37	314
180970078	2013	7	2	23	V	0.3	0.4	1.43	24
180970078	2013	7	2	24	V	0.1	0.4	1.69	96
180970078	2013	7	3	1	V	0.6	0.4	0.97	92
180970078	2013	7	3	2	C	-999	0.4	0	0
180970078	2013	7	3	3	V	0.5	0.4	1.06	124
180970078	2013	7	3	4	V	0.05	0.4	2.13	118
180970078	2013	7	3	5	V	0.6	0.4	1.35	120
180970078	2013	7	3	6	V	2.7	0.5	0.87	161
180970078	2013	7	3	7	V	1.5	0.5	1.52	131
180970078	2013	7	3	8	V	0.1	0.5	4.17	185
180970078	2013	7	3	9	V	0.4	0.5	4.75	190
180970078	2013	7	3	10	V	1.1	1.2	5.77	196
180970078	2013	7	3	11	V	6.5	2.9	5.63	205
180970078	2013	7	3	12	V	6.3	6.2	5.65	206
180970078	2013	7	3	13	V	7.8	16.8	5.21	215
180970078	2013	7	3	14	V	0.4	9.5	6.16	198
180970078	2013	7	3	15	V	1.6	4.5	5.72	201
180970078	2013	7	3	16	V	0.5	4.5	5.99	198
180970078	2013	7	3	17	V	0.01	2.2	6.41	177
180970078	2013	7	3	18	V	0.01	1.6	5.94	182
180970078	2013	7	3	19	V	0.03	1.2	4.82	186
180970078	2013	7	3	20	V	0.09	1.1	3.59	198
180970078	2013	7	3	21	V	29.7	1	2.83	213
180970078	2013	7	3	22	V	4.1	1.6	1.45	228

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	3	23	V	0.4	1.3	1.3	244
180970078	2013	7	3	24	V	1.3	0.9	1.64	231
180970078	2013	7	4	1	V	0.2	0.7	1.3	239
180970078	2013	7	4	2	V	1.5	0.7	1.2	233
180970078	2013	7	4	3	V	0.7	0.7	0.55	312
180970078	2013	7	4	4	C	-999	0.6	0	0
180970078	2013	7	4	5	V	0.7	0.5	0.96	321
180970078	2013	7	4	6	V	0.4	0.5	1.47	330
180970078	2013	7	4	7	V	0.4	0.5	1.38	88
180970078	2013	7	4	8	V	0.5	0.6	1.37	60
180970078	2013	7	4	9	V	0.3	0.7	1.67	56
180970078	2013	7	4	10	V	0.08	0.9	2.13	58
180970078	2013	7	4	11	V	0.2	1.9	1.81	55
180970078	2013	7	4	12	V	0.08	2.2	2.01	109
180970078	2013	7	4	13	V	0.07	1.5	2.15	116
180970078	2013	7	4	14	V	0.08	1.4	1.94	116
180970078	2013	7	4	15	V	0.04	1.2	2.5	134
180970078	2013	7	4	16	V	0.02	1	3.24	125
180970078	2013	7	4	17	V	0.02	0.7	2.93	142
180970078	2013	7	4	18	V	0.04	0.6	1.98	161
180970078	2013	7	4	19	V	0.02	0.6	2.61	162
180970078	2013	7	4	20	V	0.02	0.6	2.93	160
180970078	2013	7	4	21	V	0.02	0.8	2.84	143
180970078	2013	7	4	22	V	0.1	0.9	0.86	146
180970078	2013	7	4	23	V	0.02	1	2.25	148
180970078	2013	7	4	24	V	0.02	0.9	2.83	152
180970078	2013	7	5	1	V	0.02	0.9	2.84	150
180970078	2013	7	5	2	V	0.02	0.7	2.21	159
180970078	2013	7	5	3	V	0.03	0.6	1.77	176
180970078	2013	7	5	4	V	0.4	0.6	1.06	246
180970078	2013	7	5	5	V	0.3	0.5	1.35	112
180970078	2013	7	5	6	V	0.1	0.5	2.06	148
180970078	2013	7	5	7	V	0.2	0.5	1.84	133
180970078	2013	7	5	8	V	1.5	0.6	0.72	132
180970078	2013	7	5	9	V	0.9	2.1	1.4	189
180970078	2013	7	5	10	V	0.1	3.2	2.44	143
180970078	2013	7	5	11	V	0.2	1.7	1.89	141
180970078	2013	7	5	12	V	0.08	1.1	2.71	140
180970078	2013	7	5	13	V	0.08	0.9	2.45	141
180970078	2013	7	5	14	V	0.03	0.7	3.66	167
180970078	2013	7	5	15	V	0.02	0.7	4.14	154
180970078	2013	7	5	16	V	0.01	0.6	4.32	160
180970078	2013	7	5	17	V	0.01	0.5	4.14	166
180970078	2013	7	5	18	V	0.01	0.5	3.66	181
180970078	2013	7	5	19	V	0.02	0.5	3.95	180
180970078	2013	7	5	20	V	0.01	0.5	4.12	160

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	5	21	V	0.01	0.5	3.35	165
180970078	2013	7	5	22	V	0.02	0.5	3.47	153
180970078	2013	7	5	23	V	0.01	-999	3.44	154
180970078	2013	7	5	24	V	0.01	-999	2.76	150
180970078	2013	7	6	1	V	0.02	0.5	2.78	148
180970078	2013	7	6	2	V	0.02	0.5	2.91	153
180970078	2013	7	6	3	V	0.02	0.4	2.64	149
180970078	2013	7	6	4	V	0.02	0.4	2.4	152
180970078	2013	7	6	5	V	0.02	0.4	3.57	151
180970078	2013	7	6	6	V	0.04	0.4	3.47	151
180970078	2013	7	6	7	V	0.06	0.4	3.2	164
180970078	2013	7	6	8	V	0.08	0.4	3.17	175
180970078	2013	7	6	9	V	0.03	0.4	3.73	175
180970078	2013	7	6	10	V	0.06	0.4	3.1	260
180970078	2013	7	6	11	V	0.1	0.6	2.33	255
180970078	2013	7	6	12	V	0.2	0.7	2.91	255
180970078	2013	7	6	13	V	0.04	0.5	4.09	250
180970078	2013	7	6	14	V	0.2	0.5	2.89	246
180970078	2013	7	6	15	V	0.2	0.5	5.22	235
180970078	2013	7	6	16	V	0.03	0.5	6.96	250
180970078	2013	7	6	17	V	0.02	0.5	5.53	238
180970078	2013	7	6	18	V	0.2	0.5	3.73	240
180970078	2013	7	6	19	V	10.8	0.5	3.47	218
180970078	2013	7	6	20	V	0.01	1	3.4	181
180970078	2013	7	6	21	V	0.01	0.6	2.86	149
180970078	2013	7	6	22	V	0.02	0.5	2.42	160
180970078	2013	7	6	23	V	0.02	0.5	2.4	161
180970078	2013	7	6	24	V	0.02	0.4	2.52	170
180970078	2013	7	7	1	V	0.05	0.4	1.59	182
180970078	2013	7	7	2	V	0.04	0.4	1.84	114
180970078	2013	7	7	3	V	0.05	0.4	1.82	111
180970078	2013	7	7	4	V	0.04	0.4	2.1	106
180970078	2013	7	7	5	V	0.1	0.3	2.23	122
180970078	2013	7	7	6	V	0.4	0.3	2.04	140
180970078	2013	7	7	7	V	0.3	0.3	2.56	168
180970078	2013	7	7	8	V	0.8	0.3	2.72	190
180970078	2013	7	7	9	V	12.4	6.3	3.74	208
180970078	2013	7	7	10	V	14.4	17.8	3.93	212
180970078	2013	7	7	11	V	5.1	9.7	3.27	223
180970078	2013	7	7	12	V	2.9	12.6	2.91	225
180970078	2013	7	7	13	V	2.3	9	2.49	216
180970078	2013	7	7	14	V	1.3	12.5	2.61	213
180970078	2013	7	7	15	V	1.6	8	3.95	224
180970078	2013	7	7	16	V	2.5	7.2	4.49	217
180970078	2013	7	7	17	V	2.3	3.8	4.68	223
180970078	2013	7	7	18	V	0.2	1.5	4.71	235

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	7	19	V	19.2	1.8	4.83	212
180970078	2013	7	7	20	V	10.5	2.1	3.57	207
180970078	2013	7	7	21	V	5.4	3.2	3.29	205
180970078	2013	7	7	22	V	0.04	7.3	2.71	193
180970078	2013	7	7	23	V	0.04	4.4	2.95	192
180970078	2013	7	7	24	V	0.04	2.3	2.76	196
180970078	2013	7	8	1	V	17.8	3	3.13	208
180970078	2013	7	8	2	V	35.1	20.2	3.24	211
180970078	2013	7	8	3	V	14.0	21.3	3.12	207
180970078	2013	7	8	4	V	24.2	15.2	2.98	217
180970078	2013	7	8	5	V	26.1	10.4	2.93	219
180970078	2013	7	8	6	V	29.6	12.4	2.73	217
180970078	2013	7	8	7	V	21.9	10.4	2.5	206
180970078	2013	7	8	8	V	24.1	16	3.58	213
180970078	2013	7	8	9	V	0.9	13.1	5.07	234
180970078	2013	7	8	10	V	0.8	5.3	5.17	234
180970078	2013	7	8	11	V	0.2	3	6.02	240
180970078	2013	7	8	12	V	0.2	2.3	5.9	236
180970078	2013	7	8	13	V	2.9	2.2	5.82	224
180970078	2013	7	8	14	V	3.1	2.1	5.39	224
180970078	2013	7	8	15	V	5.8	1.6	4.99	219
180970078	2013	7	8	16	V	6.1	2.1	6.63	212
180970078	2013	7	8	17	V	6.3	6.4	6.62	212
180970078	2013	7	8	18	V	7.0	7	7.01	217
180970078	2013	7	8	19	V	17.1	4.1	6.12	219
180970078	2013	7	8	20	V	33.6	2.4	4.83	212
180970078	2013	7	8	21	V	11.4	5.2	4.12	222
180970078	2013	7	8	22	V	9.4	4.1	3.88	223
180970078	2013	7	8	23	V	30.7	3.2	4	214
180970078	2013	7	8	24	V	20.2	2.8	4.1	217
180970078	2013	7	9	1	V	16.9	3.1	4.1	218
180970078	2013	7	9	2	V	2.1	2.7	5	229
180970078	2013	7	9	3	V	0.6	1.9	5.16	233
180970078	2013	7	9	4	V	0.2	1.6	4.17	237
180970078	2013	7	9	5	V	2.3	1.5	4.39	228
180970078	2013	7	9	6	V	2.4	1.6	4.73	228
180970078	2013	7	9	7	V	3.5	1.7	4.97	227
180970078	2013	7	9	8	V	1.0	1.7	5.38	232
180970078	2013	7	9	9	V	0.3	1.5	5.51	235
180970078	2013	7	9	10	V	0.2	1.2	4.09	241
180970078	2013	7	9	11	V	1.0	0.9	4.24	235
180970078	2013	7	9	12	V	0.4	0.9	5.21	235
180970078	2013	7	9	13	V	1.0	0.9	5.51	230
180970078	2013	7	9	14	V	1.8	0.8	5.8	226
180970078	2013	7	9	15	V	0.4	0.7	6.14	235
180970078	2013	7	9	16	V	0.7	0.6	6.46	231

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	9	17	V	0.7	0.5	6.53	231
180970078	2013	7	9	18	V	10.0	0.5	5.51	213
180970078	2013	7	9	19	V	3.4	0.5	6.07	201
180970078	2013	7	9	20	V	23.1	12.1	3.51	208
180970078	2013	7	9	21	V	0.06	11.4	2.78	189
180970078	2013	7	9	22	V	0.06	2.7	3.73	190
180970078	2013	7	9	23	V	0.06	1.4	3.35	188
180970078	2013	7	9	24	V	0.1	1.2	3.49	196
180970078	2013	7	10	1	V	2.6	1.5	3.37	202
180970078	2013	7	10	2	V	43.9	3.1	3.27	213
180970078	2013	7	10	3	V	45.6	8.6	2.91	213
180970078	2013	7	10	4	V	33.0	10.5	4.08	212
180970078	2013	7	10	5	V	28.0	16.7	3.85	212
180970078	2013	7	10	6	V	28.2	24	3.61	216
180970078	2013	7	10	7	V	21.6	23.3	3.73	207
180970078	2013	7	10	8	V	15.7	23.4	4.61	215
180970078	2013	7	10	9	V	6.3	9.3	5.29	221
180970078	2013	7	10	10	V	5.5	9.4	4.87	214
180970078	2013	7	10	11	V	5.5	7.6	4.88	208
180970078	2013	7	10	12	V	0.02	5.1	8.4	253
180970078	2013	7	10	13	V	0.01	4.6	9.47	272
180970078	2013	7	10	14	V	0.03	4.7	5.1	283
180970078	2013	7	10	15	V	0.2	3.1	3.1	20
180970078	2013	7	10	16	V	0.1	2.6	3.17	354
180970078	2013	7	10	17	V	1.1	2	4.2	232
180970078	2013	7	10	18	V	0.03	4	3.78	185
180970078	2013	7	10	19	V	11.6	22.9	3.35	222
180970078	2013	7	10	20	V	7.5	20.5	3.92	224
180970078	2013	7	10	21	V	1.1	9.2	3	229
180970078	2013	7	10	22	V	0.06	6.3	4.14	336
180970078	2013	7	10	23	V	0.05	3.6	6.21	16
180970078	2013	7	10	24	V	0.04	2.1	5.96	15
180970078	2013	7	11	1	V	0.04	1.3	4.73	14
180970078	2013	7	11	2	V	0.04	1	3.93	9
180970078	2013	7	11	3	V	0.03	0.8	4.42	360
180970078	2013	7	11	4	V	0.03	0.8	4.03	8
180970078	2013	7	11	5	V	0.1	0.8	3.69	8
180970078	2013	7	11	6	V	0.2	0.7	3.73	12
180970078	2013	7	11	7	V	0.07	0.8	3.8	23
180970078	2013	7	11	8	V	0.06	0.9	4.36	20
180970078	2013	7	11	9	V	0.04	1	5.73	28
180970078	2013	7	11	10	V	0.03	0.8	6.23	35
180970078	2013	7	11	11	V	0.02	0.6	7.72	28
180970078	2013	7	11	12	V	0.02	0.5	7.79	31
180970078	2013	7	11	13	V	0.03	0.5	6.87	27
180970078	2013	7	11	14	V	0.02	0.5	6.77	18

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	11	15	V	0.02	0.5	6.55	20
180970078	2013	7	11	16	V	0.03	0.5	5.94	27
180970078	2013	7	11	17	V	0.02	0.5	5.73	15
180970078	2013	7	11	18	V	0.01	0.4	5.68	24
180970078	2013	7	11	19	V	0.04	0.4	5.53	16
180970078	2013	7	11	20	V	0.04	0.4	5.09	25
180970078	2013	7	11	21	V	0.04	0.5	2.93	15
180970078	2013	7	11	22	V	0.04	0.5	2.96	360
180970078	2013	7	11	23	V	0.04	0.5	3.32	349
180970078	2013	7	11	24	V	0.04	0.5	3.39	4
180970078	2013	7	12	1	V	0.05	0.5	2.54	12
180970078	2013	7	12	2	V	0.09	0.5	1.87	341
180970078	2013	7	12	3	V	0.08	0.4	1.94	344
180970078	2013	7	12	4	V	0.06	0.4	2.13	351
180970078	2013	7	12	5	V	0.4	0.4	1.94	348
180970078	2013	7	12	6	V	0.9	0.4	1.81	357
180970078	2013	7	12	7	V	0.3	0.5	2.57	13
180970078	2013	7	12	8	V	0.2	0.7	3.18	30
180970078	2013	7	12	9	V	1.0	0.8	1.94	28
180970078	2013	7	12	10	V	0.3	0.8	3.22	31
180970078	2013	7	12	11	V	0.07	0.8	5.16	55
180970078	2013	7	12	12	V	0.1	0.6	4.31	49
180970078	2013	7	12	13	V	0.1	0.6	4.07	52
180970078	2013	7	12	14	V	0.1	0.5	4.1	41
180970078	2013	7	12	15	V	0.07	0.5	4.46	31
180970078	2013	7	12	16	V	0.04	0.6	5.31	13
180970078	2013	7	12	17	V	0.03	0.5	4.99	23
180970078	2013	7	12	18	V	0.01	0.5	5.77	29
180970078	2013	7	12	19	V	0.04	0.6	5.87	34
180970078	2013	7	12	20	V	0.04	0.6	5.39	45
180970078	2013	7	12	21	V	0.05	0.6	4.07	35
180970078	2013	7	12	22	V	0.05	0.6	3.15	38
180970078	2013	7	12	23	V	0.05	-999	2.88	29
180970078	2013	7	12	24	V	0.04	-999	3.2	30
180970078	2013	7	13	1	V	0.04	0.6	3.66	33
180970078	2013	7	13	2	V	0.03	0.6	3.37	33
180970078	2013	7	13	3	V	0.04	0.5	2.88	41
180970078	2013	7	13	4	V	0.04	0.5	2.95	27
180970078	2013	7	13	5	V	0.1	0.5	3.69	31
180970078	2013	7	13	6	V	0.1	0.5	4.15	34
180970078	2013	7	13	7	V	0.1	0.6	3.91	35
180970078	2013	7	13	8	V	0.2	1	3.18	46
180970078	2013	7	13	9	V	0.2	1.3	3.44	72
180970078	2013	7	13	10	V	0.1	1.2	4.61	89
180970078	2013	7	13	11	V	0.07	1.1	5.26	76
180970078	2013	7	13	12	V	0.1	1.1	4.42	88

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	13	13	V	0.05	1.4	5.43	86
180970078	2013	7	13	14	V	0.04	1.5	5.77	93
180970078	2013	7	13	15	V	0.04	1.3	5.31	79
180970078	2013	7	13	16	V	0.03	0.8	5.56	89
180970078	2013	7	13	17	V	0.02	0.6	5.87	93
180970078	2013	7	13	18	V	0.01	0.7	5.46	99
180970078	2013	7	13	19	V	0.05	0.7	4.56	121
180970078	2013	7	13	20	V	0.04	0.7	6.11	93
180970078	2013	7	13	21	V	0.04	0.7	4.9	94
180970078	2013	7	13	22	V	0.05	0.7	3.95	88
180970078	2013	7	13	23	V	0.04	0.7	4.31	90
180970078	2013	7	13	24	V	0.04	0.7	4.6	98
180970078	2013	7	14	1	V	0.04	0.8	4.37	109
180970078	2013	7	14	2	V	0.04	0.9	3.54	99
180970078	2013	7	14	3	V	0.03	0.9	3.76	77
180970078	2013	7	14	4	V	0.03	0.8	4.29	71
180970078	2013	7	14	5	V	0.1	0.7	3.47	85
180970078	2013	7	14	6	V	0.4	0.7	2.56	87
180970078	2013	7	14	7	V	0.2	0.9	3.07	108
180970078	2013	7	14	8	V	0.2	2.4	3.37	109
180970078	2013	7	14	9	V	0.1	4.6	4.29	125
180970078	2013	7	14	10	V	0.1	3.4	3.71	132
180970078	2013	7	14	11	V	0.5	2.7	2.35	139
180970078	2013	7	14	12	V	0.2	2	3.25	122
180970078	2013	7	14	13	V	0.1	1.5	3.83	117
180970078	2013	7	14	14	V	0.08	1.2	4.1	124
180970078	2013	7	14	15	V	0.08	1.2	3.98	133
180970078	2013	7	14	16	V	0.05	1.1	4.32	132
180970078	2013	7	14	17	V	0.04	0.9	4.46	137
180970078	2013	7	14	18	V	0.02	0.8	4.53	134
180970078	2013	7	14	19	V	0.06	0.8	2.91	150
180970078	2013	7	14	20	V	0.05	1.2	2.88	115
180970078	2013	7	14	21	V	0.07	1.3	2.54	101
180970078	2013	7	14	22	V	0.08	1.3	2.18	95
180970078	2013	7	14	23	V	0.06	1.3	2.61	93
180970078	2013	7	14	24	V	0.06	1.1	4.97	123
180970078	2013	7	15	1	V	0.05	1	2.95	162
180970078	2013	7	15	2	V	0.04	1	3.01	140
180970078	2013	7	15	3	V	0.04	1.2	3.12	126
180970078	2013	7	15	4	V	0.04	1.4	2.84	120
180970078	2013	7	15	5	V	0.2	1.3	3.25	114
180970078	2013	7	15	6	V	0.3	1.2	3.3	119
180970078	2013	7	15	7	V	0.2	1.2	3.86	132
180970078	2013	7	15	8	V	0.1	1.3	3.73	153
180970078	2013	7	15	9	V	0.1	1.5	4.34	179
180970078	2013	7	15	10	V	0.2	1.3	5.75	188

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	15	11	V	0.5	1.1	4.46	187
180970078	2013	7	15	12	V	2.0	0.9	3.75	195
180970078	2013	7	15	13	V	1.4	0.9	3.75	192
180970078	2013	7	15	14	V	0.3	0.8	3.56	179
180970078	2013	7	15	15	V	0.2	0.7	4.02	179
180970078	2013	7	15	16	V	0.3	0.6	4.17	185
180970078	2013	7	15	17	V	0.06	0.6	3.85	163
180970078	2013	7	15	18	V	0.03	0.6	3.51	176
180970078	2013	7	15	19	V	0.05	0.6	3.12	188
180970078	2013	7	15	20	V	0.05	0.6	2.76	185
180970078	2013	7	15	21	V	0.1	0.6	2.11	185
180970078	2013	7	15	22	V	0.09	0.6	2.1	169
180970078	2013	7	15	23	V	0.1	0.7	1.82	155
180970078	2013	7	15	24	V	13.9	0.7	1.31	203
180970078	2013	7	16	1	V	37.3	0.6	0.94	206
180970078	2013	7	16	2	V	0.7	0.6	0.99	100
180970078	2013	7	16	3	V	0.5	0.6	1.11	100
180970078	2013	7	16	4	V	0.5	0.6	1.09	70
180970078	2013	7	16	5	V	3.5	0.6	0.69	147
180970078	2013	7	16	6	C	-999	0.6	0	0
180970078	2013	7	16	7	V	4.1	0.6	0.79	6
180970078	2013	7	16	8	V	1.7	0.8	1.54	71
180970078	2013	7	16	9	V	1.7	0.8	1.47	130
180970078	2013	7	16	10	V	1.5	0.7	1.28	207
180970078	2013	7	16	11	V	1.4	1	1.31	210
180970078	2013	7	16	12	V	0.6	1.1	2.15	268
180970078	2013	7	16	13	V	0.4	0.9	2.39	303
180970078	2013	7	16	14	V	0.7	0.8	1.93	278
180970078	2013	7	16	15	V	0.2	0.7	3.01	288
180970078	2013	7	16	16	V	0.1	0.6	3.29	307
180970078	2013	7	16	17	V	0.08	0.6	3.27	11
180970078	2013	7	16	18	V	0.04	0.6	3.32	11
180970078	2013	7	16	19	V	0.06	0.6	2.71	24
180970078	2013	7	16	20	V	0.06	0.6	2.81	23
180970078	2013	7	16	21	V	0.06	0.6	2.67	38
180970078	2013	7	16	22	V	0.07	0.6	2.44	17
180970078	2013	7	16	23	V	0.1	0.6	1.89	24
180970078	2013	7	16	24	V	0.5	0.5	1.16	347
180970078	2013	7	17	1	V	0.9	0.5	0.94	298
180970078	2013	7	17	2	V	0.3	0.5	1.33	287
180970078	2013	7	17	3	V	0.1	0.5	1.91	292
180970078	2013	7	17	4	V	0.06	0.5	2.4	321
180970078	2013	7	17	5	V	0.7	0.5	1.62	342
180970078	2013	7	17	6	V	2.9	0.5	1.2	334
180970078	2013	7	17	7	V	1.4	0.5	1.54	340
180970078	2013	7	17	8	V	0.4	0.5	2.39	347

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	17	9	V	0.2	0.6	3.23	352
180970078	2013	7	17	10	V	0.2	1.4	3.34	346
180970078	2013	7	17	11	V	0.2	2.2	3.32	1
180970078	2013	7	17	12	V	0.2	1.9	3.25	335
180970078	2013	7	17	13	V	0.3	1.1	2.69	339
180970078	2013	7	17	14	V	0.4	0.8	2.55	327
180970078	2013	7	17	15	V	0.2	0.7	3.27	314
180970078	2013	7	17	16	V	0.1	0.6	3.12	322
180970078	2013	7	17	17	V	0.07	0.6	3.54	314
180970078	2013	7	17	18	V	0.03	0.6	4.09	301
180970078	2013	7	17	19	V	0.05	0.6	3.93	309
180970078	2013	7	17	20	V	0.05	0.6	2.95	313
180970078	2013	7	17	21	V	0.1	0.6	1.91	316
180970078	2013	7	17	22	V	0.2	0.5	1.65	312
180970078	2013	7	17	23	V	0.9	0.5	1.01	304
180970078	2013	7	17	24	V	0.3	0.6	1.43	283
180970078	2013	7	18	1	V	0.6	0.6	1.11	288
180970078	2013	7	18	2	V	2.1	0.6	0.62	288
180970078	2013	7	18	3	V	1.4	0.6	0.8	325
180970078	2013	7	18	4	V	0.1	0.6	1.91	306
180970078	2013	7	18	5	V	0.9	0.6	1.52	310
180970078	2013	7	18	6	V	1.5	0.6	1.7	309
180970078	2013	7	18	7	V	3.3	0.5	1.01	310
180970078	2013	7	18	8	V	1.8	0.5	1.48	306
180970078	2013	7	18	9	V	1.3	0.5	1.64	303
180970078	2013	7	18	10	V	1.2	0.6	1.43	292
180970078	2013	7	18	11	V	1.0	0.6	1.76	231
180970078	2013	7	18	12	V	2.5	0.6	2.52	217
180970078	2013	7	18	13	V	2.7	3.3	3.3	205
180970078	2013	7	18	14	V	2.9	6.2	3.88	208
180970078	2013	7	18	15	V	2.3	3.6	3.9	226
180970078	2013	7	18	16	V	1.2	1.4	3.12	237
180970078	2013	7	18	17	V	4.6	1.4	3.8	212
180970078	2013	7	18	18	V	1.4	1.4	3.35	230
180970078	2013	7	18	19	V	0.4	0.9	3.49	232
180970078	2013	7	18	20	V	0.7	0.8	3.85	231
180970078	2013	7	18	21	V	6.5	0.7	2.98	224
180970078	2013	7	18	22	V	50.7	0.6	3.12	211
180970078	2013	7	18	23	V	38.3	0.6	2.81	216
180970078	2013	7	18	24	V	6.9	0.6	2.71	224
180970078	2013	7	19	1	V	9.4	0.7	2.83	223
180970078	2013	7	19	2	V	38.5	0.9	3.07	215
180970078	2013	7	19	3	V	0.07	1.4	2.61	237
180970078	2013	7	19	4	V	31.5	2	3.88	216
180970078	2013	7	19	5	V	20.8	2.2	4.15	211
180970078	2013	7	19	6	V	34.5	6.8	3.54	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	19	7	V	38.5	10.9	3.42	214
180970078	2013	7	19	8	V	2.3	5.9	4.19	232
180970078	2013	7	19	9	V	0.4	3.3	4.87	240
180970078	2013	7	19	10	V	0.3	2.4	5.94	240
180970078	2013	7	19	11	V	0.2	2.2	6.62	239
180970078	2013	7	19	12	V	0.04	2	7.28	249
180970078	2013	7	19	13	V	0.3	1.9	6.7	239
180970078	2013	7	19	14	V	0.6	2.2	7.25	233
180970078	2013	7	19	15	V	0.4	1.8	7.38	235
180970078	2013	7	19	16	V	0.5	1.4	7.45	233
180970078	2013	7	19	17	V	2.8	1.3	7.4	223
180970078	2013	7	19	18	V	2.0	1.2	7.11	225
180970078	2013	7	19	19	V	28.9	1.1	6.47	215
180970078	2013	7	19	20	V	34.4	1.1	5.29	214
180970078	2013	7	19	21	V	29.0	2.4	4.51	209
180970078	2013	7	19	22	V	23.6	8.1	4.65	208
180970078	2013	7	19	23	V	37.0	-999	5.24	213
180970078	2013	7	19	24	V	14.9	-999	5.12	220
180970078	2013	7	20	1	V	2.8	4.7	6.41	227
180970078	2013	7	20	2	V	14.2	2.9	5.39	220
180970078	2013	7	20	3	V	2.8	3.4	5.53	227
180970078	2013	7	20	4	V	0.6	2.5	5.85	232
180970078	2013	7	20	5	V	0.4	1.8	6.01	232
180970078	2013	7	20	6	V	0.2	1.5	5.67	237
180970078	2013	7	20	7	V	0.9	1.4	5.51	231
180970078	2013	7	20	8	V	0.8	1.5	6.26	231
180970078	2013	7	20	9	V	0.05	1.7	6.53	250
180970078	2013	7	20	10	V	0.1	1.8	3.54	265
180970078	2013	7	20	11	V	0.2	1.7	3.08	251
180970078	2013	7	20	12	V	0.3	1.4	6.26	233
180970078	2013	7	20	13	V	0.01	1.4	5.11	194
180970078	2013	7	20	14	V	0.03	1	3.52	191
180970078	2013	7	20	15	V	2.5	0.9	4.03	223
180970078	2013	7	20	16	V	0.04	1.1	3.57	249
180970078	2013	7	20	17	V	1.7	2	3.59	227
180970078	2013	7	20	18	V	0.6	3.6	2.88	205
180970078	2013	7	20	19	V	7.8	5.3	2.33	224
180970078	2013	7	20	20	V	0.3	4.1	2.62	249
180970078	2013	7	20	21	V	0.3	2.5	3.29	248
180970078	2013	7	20	22	V	0.01	1.7	3.18	276
180970078	2013	7	20	23	V	0.01	1.3	2.83	269
180970078	2013	7	20	24	V	0.02	1.1	2.05	298
180970078	2013	7	21	1	V	0.01	0.9	3.07	308
180970078	2013	7	21	2	V	11.1	1.1	2.23	216
180970078	2013	7	21	3	V	0.04	1.8	1.62	198
180970078	2013	7	21	4	V	0.6	1.6	0.69	251

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	21	5	V	5.5	1.4	1.74	209
180970078	2013	7	21	6	V	9.1	1.2	2.18	218
180970078	2013	7	21	7	V	0.7	1.1	2.44	242
180970078	2013	7	21	8	V	0.3	2	2.78	251
180970078	2013	7	21	9	V	1.7	5.1	2.07	241
180970078	2013	7	21	10	C	-999	9.3	0	0
180970078	2013	7	21	11	V	0.09	14.2	2.86	181
180970078	2013	7	21	12	C	-999	7.5	0	0
180970078	2013	7	21	13	V	2.3	4.4	1.76	198
180970078	2013	7	21	14	V	3.8	3.2	2.86	205
180970078	2013	7	21	15	C	-999	3.4	0	0
180970078	2013	7	21	16	M	-999	2.6	2.36	999
180970078	2013	7	21	17	V	0.2	1.5	2.56	188
180970078	2013	7	21	18	V	0.1	1.2	2.37	199
180970078	2013	7	21	19	V	31.1	1.1	2.66	216
180970078	2013	7	21	20	V	0.06	1	2.13	193
180970078	2013	7	21	21	V	0.2	0.9	1.47	192
180970078	2013	7	21	22	V	0.4	0.8	1.16	135
180970078	2013	7	21	23	V	0.2	0.8	1.38	109
180970078	2013	7	21	24	V	0.05	0.8	2.86	95
180970078	2013	7	22	1	V	0.04	0.7	5.21	149
180970078	2013	7	22	2	V	1.2	1.8	3.8	231
180970078	2013	7	22	3	V	0.2	3.3	1.26	191
180970078	2013	7	22	4	V	0.4	3.4	0.99	155
180970078	2013	7	22	5	V	0.3	3.4	1.33	333
180970078	2013	7	22	6	V	0.5	3.1	1.84	46
180970078	2013	7	22	7	V	0.4	2.4	2.74	110
180970078	2013	7	22	8	V	0.5	2.7	2.49	80
180970078	2013	7	22	9	V	0.2	2.4	2.78	106
180970078	2013	7	22	10	V	0.4	2.6	2.18	145
180970078	2013	7	22	11	V	0.2	2.2	2.81	112
180970078	2013	7	22	12	V	1.2	1.8	1.6	87
180970078	2013	7	22	13	V	0.6	1.8	1.98	349
180970078	2013	7	22	14	V	0.3	2.1	2.55	325
180970078	2013	7	22	15	V	0.1	2.1	3.2	321
180970078	2013	7	22	16	V	0.1	1.7	3.01	305
180970078	2013	7	22	17	V	0.04	1.1	4.46	329
180970078	2013	7	22	18	V	0.02	0.9	4.27	325
180970078	2013	7	22	19	V	0.05	0.8	4.12	329
180970078	2013	7	22	20	V	0.04	0.7	3.34	309
180970078	2013	7	22	21	V	0.07	0.6	2.5	287
180970078	2013	7	22	22	V	0.06	0.6	2.76	282
180970078	2013	7	22	23	V	0.1	0.6	1.94	256
180970078	2013	7	22	24	V	13.7	0.6	2.3	222
180970078	2013	7	23	1	V	0.07	0.6	2.42	238
180970078	2013	7	23	2	V	0.3	0.5	2.52	232

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	23	3	V	20.2	0.5	2.59	219
180970078	2013	7	23	4	V	8.6	0.7	3.07	223
180970078	2013	7	23	5	V	8.9	1.3	3.63	204
180970078	2013	7	23	6	V	14.7	5.4	3.81	221
180970078	2013	7	23	7	V	24.4	12.5	3.85	212
180970078	2013	7	23	8	V	2.0	14.8	3.81	234
180970078	2013	7	23	9	V	0.2	5.2	4.56	245
180970078	2013	7	23	10	V	0.06	2.9	5.24	258
180970078	2013	7	23	11	V	0.03	2.1	6.43	266
180970078	2013	7	23	12	V	0.02	1.7	7.48	263
180970078	2013	7	23	13	V	0.03	1.6	6.86	273
180970078	2013	7	23	14	V	0.02	1.4	7.21	282
180970078	2013	7	23	15	V	0.02	1.1	6.58	298
180970078	2013	7	23	16	V	0.02	0.9	7.04	298
180970078	2013	7	23	17	V	0.02	0.8	6.67	305
180970078	2013	7	23	18	V	0.01	0.7	7.72	311
180970078	2013	7	23	19	V	0.04	0.7	6.62	334
180970078	2013	7	23	20	V	0.04	0.8	7.42	356
180970078	2013	7	23	21	V	0.04	0.6	7.37	358
180970078	2013	7	23	22	V	0.04	0.5	5.68	2
180970078	2013	7	23	23	V	0.04	0.4	5.17	354
180970078	2013	7	23	24	V	0.04	0.5	5.6	347
180970078	2013	7	24	1	V	0.02	0.5	6.53	351
180970078	2013	7	24	2	V	0.02	0.4	5.05	358
180970078	2013	7	24	3	V	0.02	0.4	2.96	360
180970078	2013	7	24	4	V	0.02	0.4	3	358
180970078	2013	7	24	5	V	0.03	0.4	4.66	8
180970078	2013	7	24	6	V	0.04	0.4	5.1	18
180970078	2013	7	24	7	V	0.04	0.5	5.19	27
180970078	2013	7	24	8	V	0.02	0.5	6.33	27
180970078	2013	7	24	9	V	0.03	0.6	6.07	35
180970078	2013	7	24	10	V	0.07	0.8	4.31	39
180970078	2013	7	24	11	V	0.09	0.9	3.93	26
180970078	2013	7	24	12	V	0.06	0.9	4.65	21
180970078	2013	7	24	13	V	0.06	0.8	4.53	39
180970078	2013	7	24	14	V	0.05	0.7	4.42	31
180970078	2013	7	24	15	V	0.06	0.6	4.07	18
180970078	2013	7	24	16	V	0.05	0.6	4	21
180970078	2013	7	24	17	V	0.03	0.6	4.22	18
180970078	2013	7	24	18	V	0.05	0.5	4.17	14
180970078	2013	7	24	19	V	0.03	0.5	4.63	25
180970078	2013	7	24	20	V	0.03	0.5	5.09	20
180970078	2013	7	24	21	V	0.03	0.4	4.54	29
180970078	2013	7	24	22	V	0.03	0.4	3.83	34
180970078	2013	7	24	23	V	0.02	0.5	3.42	35
180970078	2013	7	24	24	V	0.03	0.4	2.76	32

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	25	1	V	0.03	0.4	2.5	43
180970078	2013	7	25	2	V	0.03	0.4	2.47	38
180970078	2013	7	25	3	V	0.03	0.4	2.66	68
180970078	2013	7	25	4	V	0.03	0.4	2.39	61
180970078	2013	7	25	5	V	0.06	0.3	1.91	15
180970078	2013	7	25	6	V	0.4	0.3	2.15	17
180970078	2013	7	25	7	V	0.3	0.5	2.42	38
180970078	2013	7	25	8	V	0.5	0.6	1.76	39
180970078	2013	7	25	9	V	0.3	0.8	2.23	38
180970078	2013	7	25	10	V	0.09	0.9	3.75	37
180970078	2013	7	25	11	V	0.06	0.7	4.39	48
180970078	2013	7	25	12	V	0.07	0.7	4	41
180970078	2013	7	25	13	V	0.1	0.8	3.47	26
180970078	2013	7	25	14	V	0.1	0.8	3.1	7
180970078	2013	7	25	15	V	0.1	0.7	3.12	37
180970078	2013	7	25	16	V	0.08	0.6	3.13	19
180970078	2013	7	25	17	V	0.08	0.5	2.76	36
180970078	2013	7	25	18	V	0.07	0.5	2.67	12
180970078	2013	7	25	19	V	0.03	0.5	3.93	346
180970078	2013	7	25	20	V	0.03	0.5	3.34	3
180970078	2013	7	25	21	V	0.04	0.5	2.49	355
180970078	2013	7	25	22	V	0.04	0.5	2.49	50
180970078	2013	7	25	23	V	0.08	0.4	1.6	4
180970078	2013	7	25	24	V	0.07	0.4	1.38	33
180970078	2013	7	26	1	V	0.02	0.4	2.15	41
180970078	2013	7	26	2	V	0.02	0.4	2.05	76
180970078	2013	7	26	3	V	0.05	0.4	1.45	73
180970078	2013	7	26	4	V	0.02	0.4	2.08	97
180970078	2013	7	26	5	V	0.06	0.3	2.3	111
180970078	2013	7	26	6	V	0.5	0.4	1.33	91
180970078	2013	7	26	7	V	0.3	0.5	1.65	116
180970078	2013	7	26	8	V	0.2	0.9	2.03	125
180970078	2013	7	26	9	V	0.1	1.1	2.61	159
180970078	2013	7	26	10	V	0.05	2.3	3.42	177
180970078	2013	7	26	11	V	0.02	5.9	4.15	169
180970078	2013	7	26	12	V	0.1	2	4.27	189
180970078	2013	7	26	13	V	1.2	2	4.44	212
180970078	2013	7	26	14	V	1.0	3.7	4.32	227
180970078	2013	7	26	15	V	1.3	3.5	4.27	213
180970078	2013	7	26	16	V	1.8	2.7	5.14	219
180970078	2013	7	26	17	V	1.4	3.7	5.34	227
180970078	2013	7	26	18	V	7.0	1.6	5.63	216
180970078	2013	7	26	19	V	0.1	1.4	4.85	239
180970078	2013	7	26	20	V	0.2	1.4	4.1	236
180970078	2013	7	26	21	V	0.4	1.6	4.12	234
180970078	2013	7	26	22	V	0.2	1.5	3.27	201

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	26	23	V	0.08	-999	2.91	200
180970078	2013	7	26	24	V	9.8	-999	4.08	219
180970078	2013	7	27	1	V	0.02	1.1	3.44	195
180970078	2013	7	27	2	V	0.02	0.8	4.15	195
180970078	2013	7	27	3	V	0.7	0.8	4.54	204
180970078	2013	7	27	4	V	9.5	0.7	3.13	216
180970078	2013	7	27	5	V	4.2	0.8	4.05	210
180970078	2013	7	27	6	V	3.8	2	5.34	219
180970078	2013	7	27	7	V	2.2	1.8	5.73	225
180970078	2013	7	27	8	V	0.8	1.2	5.72	231
180970078	2013	7	27	9	V	0.06	1.2	5.48	246
180970078	2013	7	27	10	V	0.02	1.5	5.97	257
180970078	2013	7	27	11	V	0.02	1.2	5.99	258
180970078	2013	7	27	12	V	0.02	0.8	6.38	256
180970078	2013	7	27	13	V	0.01	0.6	6.74	257
180970078	2013	7	27	14	V	0.01	0.5	6.91	257
180970078	2013	7	27	15	V	0.01	0.5	7.65	266
180970078	2013	7	27	16	V	0.01	0.4	7.69	273
180970078	2013	7	27	17	V	0.004	0.4	7.94	281
180970078	2013	7	27	18	V	0.01	0.5	8.16	282
180970078	2013	7	27	19	V	0.01	0.4	7.16	282
180970078	2013	7	27	20	V	0.01	0.4	6.45	288
180970078	2013	7	27	21	V	0.01	0.4	4.85	289
180970078	2013	7	27	22	V	0.01	0.4	4.32	284
180970078	2013	7	27	23	V	0.01	0.4	4.87	300
180970078	2013	7	27	24	V	0.01	0.4	3.46	299
180970078	2013	7	28	1	V	0.01	0.3	2.74	278
180970078	2013	7	28	2	V	0.01	0.3	3.15	268
180970078	2013	7	28	3	V	0.4	0.3	3.17	249
180970078	2013	7	28	4	V	0.03	0.3	2.64	237
180970078	2013	7	28	5	V	0.2	0.4	3.17	237
180970078	2013	7	28	6	V	0.4	0.4	3.44	240
180970078	2013	7	28	7	V	0.2	0.6	3.51	245
180970078	2013	7	28	8	V	0.2	1.3	4.07	242
180970078	2013	7	28	9	V	0.3	1.9	4.49	241
180970078	2013	7	28	10	V	0.2	1.7	5.19	240
180970078	2013	7	28	11	V	0.06	1	6.57	245
180970078	2013	7	28	12	V	0.02	0.6	6.99	252
180970078	2013	7	28	13	V	0.04	1.2	7.26	244
180970078	2013	7	28	14	V	0.2	1	7.37	236
180970078	2013	7	28	15	V	0.09	0.7	7.77	239
180970078	2013	7	28	16	V	0.01	0.8	8.13	240
180970078	2013	7	28	17	V	0.02	1	7.13	246
180970078	2013	7	28	18	V	0.1	1	6.48	249
180970078	2013	7	28	19	V	0.2	0.9	4.97	252
180970078	2013	7	28	20	V	0.2	0.8	4.15	246

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	28	21	V	6.0	0.8	3	225
180970078	2013	7	28	22	V	10.6	0.8	3.1	216
180970078	2013	7	28	23	V	0.3	0.6	2.08	233
180970078	2013	7	28	24	V	0.2	0.5	2.69	244
180970078	2013	7	29	1	V	0.5	0.4	1.99	249
180970078	2013	7	29	2	V	0.04	0.4	1.77	265
180970078	2013	7	29	3	V	0.07	0.4	2.04	242
180970078	2013	7	29	4	V	0.2	0.4	2.23	244
180970078	2013	7	29	5	V	0.3	0.4	2.2	244
180970078	2013	7	29	6	V	0.5	0.5	2.13	260
180970078	2013	7	29	7	V	0.8	0.7	1.71	277
180970078	2013	7	29	8	V	1.0	1	1.72	270
180970078	2013	7	29	9	V	1.5	0.7	1.38	290
180970078	2013	7	29	10	V	0.3	0.6	2.74	277
180970078	2013	7	29	11	V	0.2	0.6	3.47	278
180970078	2013	7	29	12	V	0.06	0.6	4.87	278
180970078	2013	7	29	13	V	0.07	0.6	4.63	271
180970078	2013	7	29	14	V	0.08	0.5	4.29	268
180970078	2013	7	29	15	V	0.1	0.5	3.71	262
180970078	2013	7	29	16	V	0.07	0.5	3.68	271
180970078	2013	7	29	17	V	0.06	0.5	3.76	258
180970078	2013	7	29	18	V	0.08	0.5	3.98	272
180970078	2013	7	29	19	V	0.05	0.6	3.8	289
180970078	2013	7	29	20	V	0.05	0.6	2.86	299
180970078	2013	7	29	21	V	0.2	0.5	1.76	322
180970078	2013	7	29	22	V	0.2	0.5	1.48	347
180970078	2013	7	29	23	V	1.1	0.5	0.8	353
180970078	2013	7	29	24	V	0.6	0.5	0.97	64
180970078	2013	7	30	1	V	0.2	0.5	1.45	107
180970078	2013	7	30	2	V	0.07	0.5	2.08	125
180970078	2013	7	30	3	V	0.08	0.4	1.93	118
180970078	2013	7	30	4	V	0.09	0.4	1.84	113
180970078	2013	7	30	5	V	0.2	0.4	2.2	116
180970078	2013	7	30	6	V	0.5	0.4	2.47	112
180970078	2013	7	30	7	V	1.0	0.5	1.82	102
180970078	2013	7	30	8	V	0.4	0.7	2.66	118
180970078	2013	7	30	9	V	0.2	0.8	3.46	140
180970078	2013	7	30	10	V	0.2	0.8	3.2	162
180970078	2013	7	30	11	V	0.2	0.7	3.05	157
180970078	2013	7	30	12	V	0.1	0.7	3.23	149
180970078	2013	7	30	13	V	0.2	0.8	3.07	148
180970078	2013	7	30	14	V	0.1	1	3.27	143
180970078	2013	7	30	15	V	0.06	1.1	4.02	138
180970078	2013	7	30	16	V	0.1	0.9	2.93	128
180970078	2013	7	30	17	V	0.08	0.8	2.56	109
180970078	2013	7	30	18	V	0.07	0.7	3.3	98

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	7	30	19	V	0.06	0.8	2.96	111
180970078	2013	7	30	20	V	0.06	0.8	2.98	142
180970078	2013	7	30	21	V	0.06	0.8	4.36	167
180970078	2013	7	30	22	V	0.06	0.8	3.25	154
180970078	2013	7	30	23	V	0.06	0.8	3.32	162
180970078	2013	7	30	24	V	0.05	0.7	3.05	147
180970078	2013	7	31	1	V	0.05	0.6	2.74	128
180970078	2013	7	31	2	V	0.04	0.8	3.74	137
180970078	2013	7	31	3	V	0.04	0.5	3.59	141
180970078	2013	7	31	4	V	0.04	0.5	3.73	146
180970078	2013	7	31	5	V	0.06	0.4	3.85	138
180970078	2013	7	31	6	V	0.2	0.4	3.51	149
180970078	2013	7	31	7	V	0.4	0.4	2.98	142
180970078	2013	7	31	8	V	0.3	0.4	3.13	146
180970078	2013	7	31	9	V	0.4	0.4	2.71	162
180970078	2013	7	31	10	V	0.3	0.4	2.96	180
180970078	2013	7	31	11	V	0.6	2.4	2.81	187
180970078	2013	7	31	12	V	20.4	8.4	2.37	208
180970078	2013	7	31	13	V	17.8	11.5	2.13	218
180970078	2013	7	31	14	V	5.1	14.7	1.99	233
180970078	2013	7	31	15	V	0.2	4.8	2.89	246
180970078	2013	7	31	16	V	2.1	2.5	3.03	231
180970078	2013	7	31	17	V	0.4	1.7	2.72	237
180970078	2013	7	31	18	V	2.1	1.3	3.22	230
180970078	2013	7	31	19	V	0.4	1.1	2.91	250
180970078	2013	7	31	20	V	0.05	0.9	2.59	269
180970078	2013	7	31	21	V	0.2	0.8	1.62	274
180970078	2013	7	31	22	V	0.06	0.7	2.49	290
180970078	2013	7	31	23	V	0.05	0.6	3.15	307
180970078	2013	7	31	24	V	0.04	0.6	3.17	316
180970078	2013	8	1	1	V	0.07	0.5	2.27	316
180970078	2013	8	1	2	V	0.07	0.5	2.22	285
180970078	2013	8	1	3	V	0.05	0.5	2.54	276
180970078	2013	8	1	4	V	0.05	0.5	2.76	293
180970078	2013	8	1	5	V	0.07	0.5	2.39	291
180970078	2013	8	1	6	V	0.5	0.5	2.56	291
180970078	2013	8	1	7	V	0.5	0.5	2.55	270
180970078	2013	8	1	8	V	0.1	0.6	4.2	320
180970078	2013	8	1	9	V	0.3	1.1	2.81	303
180970078	2013	8	1	10	V	0.3	1.1	3.2	307
180970078	2013	8	1	11	V	0.08	1	4.85	320
180970078	2013	8	1	12	V	0.07	0.8	4.92	310
180970078	2013	8	1	13	V	0.04	1	5.62	288
180970078	2013	8	1	14	V	0.02	0.6	7.83	298
180970078	2013	8	1	15	V	0.01	0.5	9.07	295
180970078	2013	8	1	16	V	0.01	0.4	8.73	296

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	1	17	V	0.01	0.4	8.2	306
180970078	2013	8	1	18	V	0.06	0.4	6.45	301
180970078	2013	8	1	19	V	0.04	0.5	5.79	288
180970078	2013	8	1	20	V	0.05	0.5	3.93	279
180970078	2013	8	1	21	V	0.05	0.5	3.58	265
180970078	2013	8	1	22	V	0.05	0.5	3	283
180970078	2013	8	1	23	V	0.06	0.4	2.76	282
180970078	2013	8	1	24	V	0.05	0.4	2.83	283
180970078	2013	8	2	1	V	0.06	0.4	2.54	300
180970078	2013	8	2	2	V	0.08	0.4	2.16	288
180970078	2013	8	2	3	V	0.1	0.4	1.82	287
180970078	2013	8	2	4	V	0.2	0.3	1.98	244
180970078	2013	8	2	5	V	9.6	0.4	1.89	224
180970078	2013	8	2	6	V	11.4	0.5	1.76	196
180970078	2013	8	2	7	V	30.7	0.6	1.84	218
180970078	2013	8	2	8	V	10.5	2.2	1.81	210
180970078	2013	8	2	9	V	0.9	2.9	4.03	190
180970078	2013	8	2	10	V	4.0	2.1	5.05	202
180970078	2013	8	2	11	V	6.2	17.5	6.36	211
180970078	2013	8	2	12	V	0.7	4.5	7.64	231
180970078	2013	8	2	13	V	0.6	2	8.64	231
180970078	2013	8	2	14	V	0.6	1.5	8.85	231
180970078	2013	8	2	15	V	2.6	1.2	8.93	223
180970078	2013	8	2	16	V	7.5	1.6	6.77	215
180970078	2013	8	2	17	V	9.1	2.1	5.41	215
180970078	2013	8	2	18	V	28.3	9.8	5.96	210
180970078	2013	8	2	19	V	36.1	17.2	4.9	213
180970078	2013	8	2	20	V	39.0	18.6	4.05	213
180970078	2013	8	2	21	V	11.0	19.6	3.29	205
180970078	2013	8	2	22	V	0.1	16.7	3.46	196
180970078	2013	8	2	23	V	17.7	-999	3.81	207
180970078	2013	8	2	24	V	0.3	-999	3.37	234
180970078	2013	8	3	1	V	2.9	4	3.46	228
180970078	2013	8	3	2	V	0.2	2.1	4.19	251
180970078	2013	8	3	3	V	0.05	1.2	2.49	301
180970078	2013	8	3	4	V	2.1	0.9	1.71	229
180970078	2013	8	3	5	V	0.06	0.7	3.12	180
180970078	2013	8	3	6	V	11.5	0.7	3.08	224
180970078	2013	8	3	7	V	0.4	0.7	2.69	254
180970078	2013	8	3	8	V	0.5	0.6	2.73	249
180970078	2013	8	3	9	V	0.4	0.6	2.4	277
180970078	2013	8	3	10	V	0.2	0.7	3.44	354
180970078	2013	8	3	11	V	0.8	0.8	1.74	344
180970078	2013	8	3	12	V	1.3	0.8	1.76	342
180970078	2013	8	3	13	V	0.2	0.8	3.15	2
180970078	2013	8	3	14	V	0.2	0.7	3.13	334

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	3	15	V	0.1	0.5	3.63	352
180970078	2013	8	3	16	V	0.1	0.5	3.44	355
180970078	2013	8	3	17	V	0.04	0.4	4.48	329
180970078	2013	8	3	18	V	0.06	0.5	4.92	337
180970078	2013	8	3	19	V	0.05	0.6	5.24	345
180970078	2013	8	3	20	V	0.04	0.6	5.84	356
180970078	2013	8	3	21	V	0.04	0.5	6.02	5
180970078	2013	8	3	22	V	0.04	0.5	4.88	4
180970078	2013	8	3	23	V	0.04	0.4	3.54	1
180970078	2013	8	3	24	V	0.05	0.4	3.69	8
180970078	2013	8	4	1	V	0.03	0.3	2.88	359
180970078	2013	8	4	2	V	0.05	0.3	2.54	335
180970078	2013	8	4	3	V	0.03	0.3	2.93	341
180970078	2013	8	4	4	V	0.03	0.3	3.49	353
180970078	2013	8	4	5	V	0.05	0.5	3.73	5
180970078	2013	8	4	6	V	0.2	0.6	3.47	6
180970078	2013	8	4	7	V	0.2	0.8	3.12	14
180970078	2013	8	4	8	V	0.2	0.8	3.03	34
180970078	2013	8	4	9	V	0.1	0.7	3.52	56
180970078	2013	8	4	10	V	0.1	0.6	3.44	49
180970078	2013	8	4	11	V	0.1	0.5	3.69	54
180970078	2013	8	4	12	V	0.08	0.5	4.07	34
180970078	2013	8	4	13	V	0.07	0.5	4.6	17
180970078	2013	8	4	14	V	0.07	0.4	4.48	1
180970078	2013	8	4	15	V	0.08	0.4	3.86	21
180970078	2013	8	4	16	V	0.09	0.4	3.3	16
180970078	2013	8	4	17	V	0.08	0.4	3.22	351
180970078	2013	8	4	18	V	0.06	0.4	3.15	342
180970078	2013	8	4	19	V	0.05	0.4	3.9	328
180970078	2013	8	4	20	V	0.05	0.4	3.56	346
180970078	2013	8	4	21	V	0.08	0.5	2.21	14
180970078	2013	8	4	22	V	0.1	0.4	1.77	67
180970078	2013	8	4	23	V	0.2	0.5	1.55	112
180970078	2013	8	4	24	V	0.5	0.4	1.09	100
180970078	2013	8	5	1	V	1.5	0.5	0.69	104
180970078	2013	8	5	2	C	-999	0.5	0	0
180970078	2013	8	5	3	C	-999	0.4	0	0
180970078	2013	8	5	4	V	1.5	0.5	0.69	144
180970078	2013	8	5	5	V	2.3	0.5	0.87	190
180970078	2013	8	5	6	V	2.0	0.5	1.13	112
180970078	2013	8	5	7	V	2.4	0.6	1.57	183
180970078	2013	8	5	8	V	5.6	0.7	2.96	200
180970078	2013	8	5	9	V	0.8	1.5	3.95	188
180970078	2013	8	5	10	V	0.8	3.8	4.32	189
180970078	2013	8	5	11	V	4.0	2.7	3.18	203
180970078	2013	8	5	12	V	4.4	13.1	2.73	211

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	5	13	V	1.0	4.4	3.83	190
180970078	2013	8	5	14	V	0.4	1	4.48	188
180970078	2013	8	5	15	V	0.06	3.3	4.39	175
180970078	2013	8	5	16	V	2.2	1.7	4.03	200
180970078	2013	8	5	17	V	4.5	1.8	4.49	205
180970078	2013	8	5	18	V	0.07	2.5	4.59	186
180970078	2013	8	5	19	V	0.07	0.8	2.21	159
180970078	2013	8	5	20	V	0.05	0.7	3.13	125
180970078	2013	8	5	21	V	0.05	0.6	3.05	135
180970078	2013	8	5	22	V	0.05	0.5	3.42	133
180970078	2013	8	5	23	V	0.06	0.5	2.95	135
180970078	2013	8	5	24	V	0.05	0.5	3.86	149
180970078	2013	8	6	1	V	0.05	0.5	3.66	155
180970078	2013	8	6	2	V	0.05	0.5	3.93	175
180970078	2013	8	6	3	V	0.05	0.5	2.62	187
180970078	2013	8	6	4	V	0.05	0.5	2.56	181
180970078	2013	8	6	5	V	0.06	0.5	2.81	167
180970078	2013	8	6	6	V	0.2	0.6	2.96	168
180970078	2013	8	6	7	V	0.2	0.6	3.35	171
180970078	2013	8	6	8	V	0.1	0.9	3.51	178
180970078	2013	8	6	9	V	0.1	1.5	4.26	171
180970078	2013	8	6	10	V	0.2	1.8	3.59	167
180970078	2013	8	6	11	V	0.2	2.2	3.03	179
180970078	2013	8	6	12	V	0.2	1.9	3.88	188
180970078	2013	8	6	13	V	6.2	2.7	2.33	196
180970078	2013	8	6	14	V	4.8	7.6	2.56	196
180970078	2013	8	6	15	V	0.1	11.1	3.32	180
180970078	2013	8	6	16	V	0.6	4.6	2.08	185
180970078	2013	8	6	17	V	0.06	3.1	3.61	176
180970078	2013	8	6	18	V	0.07	2.1	3.9	174
180970078	2013	8	6	19	V	0.05	1.3	3.78	183
180970078	2013	8	6	20	V	0.05	1	2.96	174
180970078	2013	8	6	21	V	0.07	0.8	2.42	140
180970078	2013	8	6	22	V	0.05	0.7	2.98	151
180970078	2013	8	6	23	V	0.05	0.6	3.68	184
180970078	2013	8	6	24	V	0.05	0.6	3.3	194
180970078	2013	8	7	1	V	32.8	1.5	3.49	212
180970078	2013	8	7	2	V	34.6	3	3.13	214
180970078	2013	8	7	3	V	23.3	2.5	1.84	219
180970078	2013	8	7	4	V	3.6	2	2.66	205
180970078	2013	8	7	5	V	0.1	2	2.49	177
180970078	2013	8	7	6	V	0.3	1.9	2.59	174
180970078	2013	8	7	7	V	0.2	1.4	3.81	181
180970078	2013	8	7	8	V	0.1	1.5	4.32	170
180970078	2013	8	7	9	V	4.6	1.9	4.24	200
180970078	2013	8	7	10	V	15.2	4	4.61	208

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	7	11	V	18.5	7.8	5.11	217
180970078	2013	8	7	12	V	5.7	7.4	4.48	224
180970078	2013	8	7	13	V	8.6	3.9	2.98	218
180970078	2013	8	7	14	V	1.9	2.3	3.86	197
180970078	2013	8	7	15	V	2.0	7.4	3.61	197
180970078	2013	8	7	16	V	0.4	13.3	4.05	194
180970078	2013	8	7	17	V	7.3	15.7	3.93	206
180970078	2013	8	7	18	V	2.0	8.1	4.78	199
180970078	2013	8	7	19	V	0.07	3.5	4.82	192
180970078	2013	8	7	20	V	20.3	1.9	3.17	207
180970078	2013	8	7	21	V	45.7	2	2.64	211
180970078	2013	8	7	22	V	0.4	1.8	2.08	232
180970078	2013	8	7	23	V	0.5	1.4	3.24	233
180970078	2013	8	7	24	V	0.8	1.2	3.66	232
180970078	2013	8	8	1	V	0.09	1	1.82	264
180970078	2013	8	8	2	V	0.7	0.9	0.82	301
180970078	2013	8	8	3	V	2.1	0.8	1.72	229
180970078	2013	8	8	4	V	0.07	0.7	2.16	264
180970078	2013	8	8	5	V	0.3	0.7	1.23	329
180970078	2013	8	8	6	V	1.5	0.6	1.18	23
180970078	2013	8	8	7	V	1.1	0.6	2.11	67
180970078	2013	8	8	8	V	0.5	0.6	2.32	75
180970078	2013	8	8	9	V	1.7	0.7	1.71	117
180970078	2013	8	8	10	V	0.7	0.7	2.28	126
180970078	2013	8	8	11	V	0.2	0.6	3.2	155
180970078	2013	8	8	12	V	0.2	1.2	4.21	181
180970078	2013	8	8	13	V	3.1	8.6	4.56	226
180970078	2013	8	8	14	V	0.1	4.4	4.54	250
180970078	2013	8	8	15	V	0.02	1.8	5.53	279
180970078	2013	8	8	16	V	0.02	1	4.99	349
180970078	2013	8	8	17	V	0.05	0.7	3.15	46
180970078	2013	8	8	18	V	0.06	0.6	3.57	42
180970078	2013	8	8	19	V	0.05	0.6	3.08	20
180970078	2013	8	8	20	V	0.06	0.5	3.78	14
180970078	2013	8	8	21	V	0.06	0.5	4.8	15
180970078	2013	8	8	22	V	0.06	0.5	4.36	40
180970078	2013	8	8	23	V	0.04	0.4	4.2	45
180970078	2013	8	8	24	V	0.02	0.4	3.88	36
180970078	2013	8	9	1	V	0.02	0.4	4	41
180970078	2013	8	9	2	V	0.02	0.4	3.37	38
180970078	2013	8	9	3	V	0.02	0.4	3.13	23
180970078	2013	8	9	4	V	0.02	0.4	3.59	3
180970078	2013	8	9	5	V	0.02	0.4	3.27	2
180970078	2013	8	9	6	V	0.06	0.4	2.93	10
180970078	2013	8	9	7	V	0.1	0.3	2.59	2
180970078	2013	8	9	8	V	0.06	0.4	3.4	7

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	9	9	V	0.06	0.3	3.69	16
180970078	2013	8	9	10	V	0.04	0.4	3.83	21
180970078	2013	8	9	11	V	0.08	0.4	2.62	32
180970078	2013	8	9	12	V	0.2	0.4	2.06	3
180970078	2013	8	9	13	V	0.2	0.4	2.03	349
180970078	2013	8	9	14	V	0.2	0.4	2.01	308
180970078	2013	8	9	15	V	0.07	0.4	2.61	317
180970078	2013	8	9	16	V	0.03	0.4	3.35	321
180970078	2013	8	9	17	V	0.01	0.4	4.15	325
180970078	2013	8	9	18	V	0.02	0.4	4.85	340
180970078	2013	8	9	19	V	0.02	0.4	4.41	332
180970078	2013	8	9	20	V	0.02	0.4	3.83	342
180970078	2013	8	9	21	V	0.02	0.4	2.56	5
180970078	2013	8	9	22	V	0.02	0.4	2.32	17
180970078	2013	8	9	23	V	0.05	-999	1.62	2
180970078	2013	8	9	24	V	0.2	-999	0.97	357
180970078	2013	8	10	1	V	0.7	0.4	0.57	32
180970078	2013	8	10	2	V	0.05	0.4	1.6	325
180970078	2013	8	10	3	V	0.04	0.4	1.69	319
180970078	2013	8	10	4	V	0.02	0.4	2.44	360
180970078	2013	8	10	5	V	0.04	0.4	1.5	311
180970078	2013	8	10	6	V	0.1	0.4	1.91	360
180970078	2013	8	10	7	V	1.0	0.4	1.09	351
180970078	2013	8	10	8	V	1.0	0.4	0.8	291
180970078	2013	8	10	9	V	0.4	0.6	1.55	30
180970078	2013	8	10	10	V	0.6	1.5	0.87	77
180970078	2013	8	10	11	V	0.5	1.5	1.08	130
180970078	2013	8	10	12	V	0.3	1.5	1.76	220
180970078	2013	8	10	13	V	0.5	5.1	2.27	238
180970078	2013	8	10	14	V	0.07	3.7	2.9	266
180970078	2013	8	10	15	V	0.09	1.6	3	258
180970078	2013	8	10	16	V	0.02	0.8	3.35	275
180970078	2013	8	10	17	V	0.02	0.6	3.61	277
180970078	2013	8	10	18	V	0.02	0.5	3.91	291
180970078	2013	8	10	19	V	0.01	0.5	4.24	321
180970078	2013	8	10	20	V	0.01	0.5	3.97	347
180970078	2013	8	10	21	V	0.01	0.5	2.73	351
180970078	2013	8	10	22	V	0.02	0.5	2.4	321
180970078	2013	8	10	23	V	0.02	0.4	2.62	323
180970078	2013	8	10	24	V	0.02	0.5	3.03	331
180970078	2013	8	11	1	V	0.02	0.5	2.01	350
180970078	2013	8	11	2	V	0.03	0.5	2.01	358
180970078	2013	8	11	3	V	0.04	0.4	1.65	4
180970078	2013	8	11	4	V	0.03	0.4	1.76	15
180970078	2013	8	11	5	V	0.05	0.4	1.42	27
180970078	2013	8	11	6	V	0.4	0.3	1.13	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	11	7	V	0.2	0.3	2.1	315
180970078	2013	8	11	8	V	0.2	0.4	2.23	320
180970078	2013	8	11	9	V	0.4	0.6	1.59	311
180970078	2013	8	11	10	V	0.2	0.7	2.23	310
180970078	2013	8	11	11	V	0.1	0.6	2.67	320
180970078	2013	8	11	12	V	0.1	0.7	2.38	270
180970078	2013	8	11	13	V	0.03	0.6	3.9	277
180970078	2013	8	11	14	V	0.02	0.6	4.41	282
180970078	2013	8	11	15	V	0.02	0.5	4.34	281
180970078	2013	8	11	16	V	0.02	0.4	3.76	288
180970078	2013	8	11	17	V	0.02	0.4	3.56	309
180970078	2013	8	11	18	V	0.02	0.4	3.51	304
180970078	2013	8	11	19	V	0.01	0.4	3.22	310
180970078	2013	8	11	20	V	0.01	0.4	2.93	316
180970078	2013	8	11	21	V	0.02	0.4	2.57	331
180970078	2013	8	11	22	V	0.02	0.4	2.4	330
180970078	2013	8	11	23	V	0.04	0.4	1.76	357
180970078	2013	8	11	24	V	0.2	0.4	1.08	328
180970078	2013	8	12	1	V	0.2	0.4	1.14	242
180970078	2013	8	12	2	V	0.07	0.4	1.45	352
180970078	2013	8	12	3	V	0.06	0.5	1.47	166
180970078	2013	8	12	4	V	1.0	0.5	1.28	234
180970078	2013	8	12	5	V	0.5	0.5	1.3	236
180970078	2013	8	12	6	V	12.1	0.4	0.91	208
180970078	2013	8	12	7	V	2.6	0.4	1.03	44
180970078	2013	8	12	8	V	1.9	0.5	1.25	115
180970078	2013	8	12	9	V	1.5	15.1	1.64	175
180970078	2013	8	12	10	V	5.9	45.6	3.59	214
180970078	2013	8	12	11	V	4.4	24.6	2.93	212
180970078	2013	8	12	12	V	2.5	6.9	2.61	230
180970078	2013	8	12	13	V	3.8	10.7	3.57	206
180970078	2013	8	12	14	V	4.3	17	4	210
180970078	2013	8	12	15	V	1.2	8.9	4.66	232
180970078	2013	8	12	16	V	0.03	2.1	4.68	259
180970078	2013	8	12	17	V	0.02	1.7	4.46	272
180970078	2013	8	12	18	V	0.06	1.7	4.17	266
180970078	2013	8	12	19	V	0.3	1.5	3.27	251
180970078	2013	8	12	20	V	0.7	1.4	3.35	232
180970078	2013	8	12	21	V	0.05	1.3	3.25	272
180970078	2013	8	12	22	V	0.05	1.1	2.73	278
180970078	2013	8	12	23	V	0.04	0.9	3.61	263
180970078	2013	8	12	24	V	0.04	0.8	3.47	282
180970078	2013	8	13	1	V	0.05	0.8	2.36	292
180970078	2013	8	13	2	V	0.05	0.7	2.86	265
180970078	2013	8	13	3	V	0.06	0.6	2.36	303
180970078	2013	8	13	4	V	0.04	0.5	2.81	310

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	13	5	V	0.06	0.5	3.05	324
180970078	2013	8	13	6	V	0.3	0.5	3.03	355
180970078	2013	8	13	7	V	0.2	0.6	3.63	3
180970078	2013	8	13	8	V	0.05	0.8	5.12	8
180970078	2013	8	13	9	V	0.06	0.7	4.75	11
180970078	2013	8	13	10	V	0.04	0.7	5.02	359
180970078	2013	8	13	11	V	0.03	0.6	5.63	4
180970078	2013	8	13	12	V	0.03	0.5	5.38	345
180970078	2013	8	13	13	V	0.03	0.4	5.9	344
180970078	2013	8	13	14	V	0.03	0.4	6.21	347
180970078	2013	8	13	15	V	0.02	0.5	7.52	334
180970078	2013	8	13	16	V	0.01	0.4	8.44	334
180970078	2013	8	13	17	V	0.01	0.4	7.84	348
180970078	2013	8	13	18	V	0.04	0.4	8.32	346
180970078	2013	8	13	19	V	0.04	0.5	7.89	358
180970078	2013	8	13	20	V	0.04	0.4	6.53	355
180970078	2013	8	13	21	V	0.03	0.3	5.46	354
180970078	2013	8	13	22	V	0.03	0.3	5.62	354
180970078	2013	8	13	23	V	0.03	0.3	4.43	355
180970078	2013	8	13	24	V	0.03	0.3	4.34	1
180970078	2013	8	14	1	V	0.03	0.3	3.73	4
180970078	2013	8	14	2	V	0.02	0.3	3.95	2
180970078	2013	8	14	3	V	0.01	0.3	3.29	357
180970078	2013	8	14	4	V	0.01	0.3	3.54	9
180970078	2013	8	14	5	V	0.01	0.3	2.93	16
180970078	2013	8	14	6	V	0.06	0.3	3.29	11
180970078	2013	8	14	7	V	0.07	0.4	3.17	354
180970078	2013	8	14	8	V	0.03	0.5	4.32	19
180970078	2013	8	14	9	V	0.02	0.5	4.56	27
180970078	2013	8	14	10	V	0.02	0.4	4.92	25
180970078	2013	8	14	11	V	0.02	0.3	4.95	13
180970078	2013	8	14	12	V	0.02	0.3	4.34	22
180970078	2013	8	14	13	V	0.02	0.3	4.7	20
180970078	2013	8	14	14	V	0.02	0.3	4.43	21
180970078	2013	8	14	15	V	0.02	0.3	4.49	14
180970078	2013	8	14	16	V	0.02	0.3	4.19	28
180970078	2013	8	14	17	V	0.01	0.3	4.1	22
180970078	2013	8	14	18	V	0.01	0.3	4.41	21
180970078	2013	8	14	19	V	0.01	0.3	3.8	23
180970078	2013	8	14	20	V	0.01	0.4	3.81	26
180970078	2013	8	14	21	V	0.01	0.3	2.98	24
180970078	2013	8	14	22	V	0.02	0.3	2.56	6
180970078	2013	8	14	23	V	0.02	0.3	2.52	23
180970078	2013	8	14	24	V	0.02	0.3	2.49	27
180970078	2013	8	15	1	V	0.02	0.3	2.42	20
180970078	2013	8	15	2	V	0.03	0.3	1.98	53

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	15	3	V	0.1	0.3	1.2	10
180970078	2013	8	15	4	V	0.03	0.3	1.88	3
180970078	2013	8	15	5	V	0.02	0.3	2.42	26
180970078	2013	8	15	6	V	0.1	0.3	2.16	47
180970078	2013	8	15	7	V	0.4	0.4	1.33	49
180970078	2013	8	15	8	V	0.3	0.5	1.67	74
180970078	2013	8	15	9	V	0.09	0.6	2.64	93
180970078	2013	8	15	10	V	0.1	0.4	2.4	101
180970078	2013	8	15	11	V	0.05	0.4	2.57	120
180970078	2013	8	15	12	V	0.1	0.4	2.27	88
180970078	2013	8	15	13	V	0.05	0.4	2.32	10
180970078	2013	8	15	14	V	0.05	0.4	2.84	32
180970078	2013	8	15	15	V	0.08	0.4	2.35	45
180970078	2013	8	15	16	V	0.02	0.4	3.4	16
180970078	2013	8	15	17	V	0.02	0.4	3.22	47
180970078	2013	8	15	18	V	0.01	0.4	3.17	43
180970078	2013	8	15	19	V	0.01	0.4	3.32	49
180970078	2013	8	15	20	V	0.01	0.4	3.49	79
180970078	2013	8	15	21	V	0.01	0.4	3.42	95
180970078	2013	8	15	22	V	0.01	0.4	2.66	90
180970078	2013	8	15	23	V	0.03	0.4	2.06	90
180970078	2013	8	15	24	V	0.03	0.4	1.96	72
180970078	2013	8	16	1	V	0.04	0.4	1.71	9
180970078	2013	8	16	2	V	0.05	0.4	1.48	30
180970078	2013	8	16	3	V	0.02	0.4	2.47	26
180970078	2013	8	16	4	V	0.02	0.4	2.74	46
180970078	2013	8	16	5	V	0.02	0.4	2.55	38
180970078	2013	8	16	6	V	0.08	0.4	2.83	29
180970078	2013	8	16	7	V	0.07	0.4	2.9	40
180970078	2013	8	16	8	V	0.07	0.4	2.64	34
180970078	2013	8	16	9	V	0.08	0.5	2.62	35
180970078	2013	8	16	10	V	0.08	0.5	2.49	30
180970078	2013	8	16	11	V	0.08	0.5	2.62	36
180970078	2013	8	16	12	V	0.04	0.5	3.22	63
180970078	2013	8	16	13	V	0.01	0.5	4.92	50
180970078	2013	8	16	14	V	0.01	0.5	5.17	48
180970078	2013	8	16	15	V	0.01	0.5	4.9	53
180970078	2013	8	16	16	V	0.01	0.5	4.85	66
180970078	2013	8	16	17	V	0.01	0.5	4.71	58
180970078	2013	8	16	18	V	0.01	0.5	4.22	85
180970078	2013	8	16	19	V	0.01	0.5	4.09	91
180970078	2013	8	16	20	V	0.01	0.6	4.03	90
180970078	2013	8	16	21	V	0.01	0.5	2.84	80
180970078	2013	8	16	22	V	0.01	0.4	2.72	44
180970078	2013	8	16	23	V	0.02	-999	2.93	42
180970078	2013	8	16	24	V	0.02	-999	3.39	36

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	17	1	V	0.01	0.4	3.15	33
180970078	2013	8	17	2	V	0.01	0.4	3.29	38
180970078	2013	8	17	3	V	0.02	0.4	2.98	37
180970078	2013	8	17	4	V	0.02	0.4	2.69	34
180970078	2013	8	17	5	V	0.02	0.4	2.88	31
180970078	2013	8	17	6	V	0.05	0.4	2.88	40
180970078	2013	8	17	7	V	0.07	0.4	3.27	35
180970078	2013	8	17	8	V	0.06	0.5	2.96	44
180970078	2013	8	17	9	V	0.04	0.8	3.29	44
180970078	2013	8	17	10	V	0.04	1	3.13	53
180970078	2013	8	17	11	V	0.03	1.4	3.95	85
180970078	2013	8	17	12	V	0.02	1.7	4.17	98
180970078	2013	8	17	13	V	0.02	1.8	4.03	99
180970078	2013	8	17	14	V	0.02	2.8	4.03	75
180970078	2013	8	17	15	V	0.01	3	4.75	99
180970078	2013	8	17	16	V	0.01	2.6	4.09	65
180970078	2013	8	17	17	V	0.01	1.9	4.31	53
180970078	2013	8	17	18	V	0.01	1.4	4.14	55
180970078	2013	8	17	19	V	0.01	1.3	4.7	68
180970078	2013	8	17	20	V	0.01	1.1	5.07	42
180970078	2013	8	17	21	V	0.01	1	4.05	34
180970078	2013	8	17	22	V	0.01	0.8	4.15	35
180970078	2013	8	17	23	V	0.01	0.7	3.85	33
180970078	2013	8	17	24	V	0.01	0.6	3.83	31
180970078	2013	8	18	1	V	0.01	0.5	3.52	41
180970078	2013	8	18	2	V	0.01	0.5	3.01	44
180970078	2013	8	18	3	V	0.02	0.5	2.54	34
180970078	2013	8	18	4	V	0.02	0.4	2.37	41
180970078	2013	8	18	5	V	0.03	0.4	1.98	55
180970078	2013	8	18	6	V	0.08	0.4	2.91	41
180970078	2013	8	18	7	V	0.3	0.4	1.82	47
180970078	2013	8	18	8	V	0.6	0.6	1.31	69
180970078	2013	8	18	9	V	0.2	1.3	1.79	57
180970078	2013	8	18	10	V	0.3	3.5	1.72	96
180970078	2013	8	18	11	V	0.08	3.9	2.81	112
180970078	2013	8	18	12	V	0.03	2.3	3.71	106
180970078	2013	8	18	13	V	0.03	1.7	3.41	87
180970078	2013	8	18	14	V	0.05	1.4	2.91	107
180970078	2013	8	18	15	V	0.09	1	2.15	88
180970078	2013	8	18	16	V	0.03	0.9	2.84	124
180970078	2013	8	18	17	V	0.04	1	2.25	152
180970078	2013	8	18	18	V	0.02	1	2.4	150
180970078	2013	8	18	19	V	0.02	1	2.15	161
180970078	2013	8	18	20	V	0.02	0.9	2.62	178
180970078	2013	8	18	21	V	6.7	0.7	2.37	211
180970078	2013	8	18	22	V	12.7	0.7	1.26	222

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	18	23	V	2.6	0.7	1.42	230
180970078	2013	8	18	24	V	0.07	0.7	1.43	188
180970078	2013	8	19	1	V	0.5	0.6	1.47	249
180970078	2013	8	19	2	V	1.0	0.6	1.59	232
180970078	2013	8	19	3	V	0.4	0.5	0.96	272
180970078	2013	8	19	4	V	1.1	0.5	0.62	157
180970078	2013	8	19	5	V	0.1	0.5	1.45	281
180970078	2013	8	19	6	V	0.6	0.5	1.6	174
180970078	2013	8	19	7	V	15.2	0.5	1.43	216
180970078	2013	8	19	8	V	1.7	1	0.69	251
180970078	2013	8	19	9	V	0.9	5.6	1.45	228
180970078	2013	8	19	10	V	0.5	3.1	1.93	269
180970078	2013	8	19	11	V	0.7	1.7	1.62	267
180970078	2013	8	19	12	V	0.6	1.4	1.87	264
180970078	2013	8	19	13	V	0.5	1.2	1.96	259
180970078	2013	8	19	14	V	0.2	1.3	2.45	269
180970078	2013	8	19	15	V	0.1	1.3	2.69	270
180970078	2013	8	19	16	V	0.1	1.1	2.35	273
180970078	2013	8	19	17	V	0.06	1.1	2.49	288
180970078	2013	8	19	18	V	0.03	1.4	3.15	278
180970078	2013	8	19	19	V	0.03	1.9	3.25	295
180970078	2013	8	19	20	V	0.04	1.4	2.66	321
180970078	2013	8	19	21	V	0.09	0.9	1.76	332
180970078	2013	8	19	22	V	0.1	0.7	1.59	335
180970078	2013	8	19	23	V	0.2	0.6	1.25	305
180970078	2013	8	19	24	V	0.1	0.6	1.43	267
180970078	2013	8	20	1	V	0.5	0.5	2.1	250
180970078	2013	8	20	2	V	0.7	0.6	0.84	320
180970078	2013	8	20	3	V	0.5	0.6	0.92	64
180970078	2013	8	20	4	V	0.3	0.5	1.11	305
180970078	2013	8	20	5	V	0.4	0.5	0.97	10
180970078	2013	8	20	6	V	0.7	0.6	1.52	113
180970078	2013	8	20	7	V	1.7	0.7	1.13	127
180970078	2013	8	20	8	V	1.1	0.9	1.42	125
180970078	2013	8	20	9	V	0.7	1.9	1.69	135
180970078	2013	8	20	10	V	0.4	4.2	2.16	160
180970078	2013	8	20	11	V	0.07	3.8	3.75	161
180970078	2013	8	20	12	V	0.06	3.5	4.12	148
180970078	2013	8	20	13	V	0.07	2.7	3.56	136
180970078	2013	8	20	14	V	0.05	1.3	4.02	159
180970078	2013	8	20	15	V	0.08	1.1	3.59	126
180970078	2013	8	20	16	V	0.06	2.8	3.63	130
180970078	2013	8	20	17	V	0.05	2.4	3.32	145
180970078	2013	8	20	18	V	0.05	1.7	4.37	121
180970078	2013	8	20	19	V	0.05	1.3	5.27	154
180970078	2013	8	20	20	V	0.05	1.1	4.17	154

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	20	21	V	0.06	1.2	4.41	166
180970078	2013	8	20	22	V	0.06	1	4.22	174
180970078	2013	8	20	23	V	0.04	0.8	3.15	150
180970078	2013	8	20	24	V	0.03	0.7	2.95	148
180970078	2013	8	21	1	V	0.03	0.6	2.69	180
180970078	2013	8	21	2	V	0.05	0.6	1.99	170
180970078	2013	8	21	3	V	0.08	0.5	2.27	199
180970078	2013	8	21	4	V	0.06	0.4	1.84	161
180970078	2013	8	21	5	V	0.03	0.4	2.4	125
180970078	2013	8	21	6	V	0.5	0.4	1.76	138
180970078	2013	8	21	7	V	0.9	0.4	1.72	154
180970078	2013	8	21	8	V	1.4	1.4	1.18	197
180970078	2013	8	21	9	V	2.0	9	1.79	222
180970078	2013	8	21	10	V	1.1	15.9	1.93	208
180970078	2013	8	21	11	V	1.1	24	2.03	201
180970078	2013	8	21	12	V	0.5	15.4	1.79	169
180970078	2013	8	21	13	V	0.9	8.3	2.16	188
180970078	2013	8	21	14	V	0.4	10.5	3.12	182
180970078	2013	8	21	15	V	2.5	8.9	3.69	209
180970078	2013	8	21	16	V	0.5	3.9	4.2	236
180970078	2013	8	21	17	V	0.03	2.2	5.05	250
180970078	2013	8	21	18	V	0.06	1.6	4.71	259
180970078	2013	8	21	19	V	0.3	1.4	3.98	249
180970078	2013	8	21	20	V	0.1	1.4	3.52	235
180970078	2013	8	21	21	V	0.3	1.3	2.4	233
180970078	2013	8	21	22	V	0.5	1.2	2.23	246
180970078	2013	8	21	23	V	0.2	1	1.65	265
180970078	2013	8	21	24	V	0.07	0.9	2.44	239
180970078	2013	8	22	1	V	0.4	0.8	2.42	246
180970078	2013	8	22	2	V	0.5	0.8	2.98	231
180970078	2013	8	22	3	V	0.6	0.8	2.18	248
180970078	2013	8	22	4	V	0.4	0.8	2.47	249
180970078	2013	8	22	5	V	0.2	0.8	2.16	255
180970078	2013	8	22	6	V	29.2	0.9	2.33	216
180970078	2013	8	22	7	V	26.9	1.4	3.25	214
180970078	2013	8	22	8	V	1.8	2.3	3.51	234
180970078	2013	8	22	9	V	0.2	2.5	4.31	245
180970078	2013	8	22	10	V	0.08	1.8	4.76	251
180970078	2013	8	22	11	V	0.05	1.4	4.76	266
180970078	2013	8	22	12	V	0.05	1.3	4.56	280
180970078	2013	8	22	13	V	0.03	1.5	5.8	290
180970078	2013	8	22	14	V	0.03	1.2	5.14	325
180970078	2013	8	22	15	V	0.02	1.1	5.56	335
180970078	2013	8	22	16	V	0.01	0.9	6.87	354
180970078	2013	8	22	17	V	0.01	0.7	7.74	355
180970078	2013	8	22	18	V	0.03	0.6	6.12	14

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	22	19	V	0.04	0.7	3.42	84
180970078	2013	8	22	20	V	0.04	0.6	3.46	152
180970078	2013	8	22	21	V	0.2	0.6	1.31	119
180970078	2013	8	22	22	V	0.3	0.6	1.23	162
180970078	2013	8	22	23	V	0.05	0.6	2.54	352
180970078	2013	8	22	24	V	0.04	0.5	3.81	347
180970078	2013	8	23	1	V	0.03	0.5	2.89	10
180970078	2013	8	23	2	V	0.05	0.5	1.98	8
180970078	2013	8	23	3	V	0.04	0.4	2.16	359
180970078	2013	8	23	4	V	0.03	0.4	3.4	28
180970078	2013	8	23	5	V	0.03	0.4	4.25	30
180970078	2013	8	23	6	V	0.2	0.5	2.98	34
180970078	2013	8	23	7	V	0.4	0.5	2.3	8
180970078	2013	8	23	8	V	0.4	0.7	2.2	24
180970078	2013	8	23	9	V	0.1	1.1	3.32	43
180970078	2013	8	23	10	V	0.09	0.9	3.69	39
180970078	2013	8	23	11	V	0.08	0.8	3.8	34
180970078	2013	8	23	12	V	0.05	0.7	4.2	20
180970078	2013	8	23	13	V	0.03	0.6	4.54	34
180970078	2013	8	23	14	V	0.03	0.5	4.7	34
180970078	2013	8	23	15	V	0.05	0.5	3.74	32
180970078	2013	8	23	16	V	0.03	0.5	3.85	34
180970078	2013	8	23	17	V	0.02	0.5	3.68	31
180970078	2013	8	23	18	V	0.02	0.5	4.39	20
180970078	2013	8	23	19	V	0.03	0.5	4.8	20
180970078	2013	8	23	20	V	0.03	0.6	4.41	30
180970078	2013	8	23	21	V	0.03	0.6	3.61	49
180970078	2013	8	23	22	V	0.03	0.6	3.35	52
180970078	2013	8	23	23	V	0.03	-999	3.88	62
180970078	2013	8	23	24	V	0.03	-999	3.9	68
180970078	2013	8	24	1	V	0.03	0.8	3.97	78
180970078	2013	8	24	2	V	0.03	0.7	4.22	94
180970078	2013	8	24	3	V	0.03	0.5	3	97
180970078	2013	8	24	4	V	0.03	0.5	3.24	93
180970078	2013	8	24	5	V	0.04	0.4	3.03	80
180970078	2013	8	24	6	V	0.7	0.4	1.71	66
180970078	2013	8	24	7	V	1.3	0.4	1.62	20
180970078	2013	8	24	8	V	0.8	0.7	1.82	47
180970078	2013	8	24	9	V	0.4	1.3	2.37	85
180970078	2013	8	24	10	V	0.3	1.2	2.73	86
180970078	2013	8	24	11	V	0.3	1.4	2.98	81
180970078	2013	8	24	12	V	0.5	1.3	2.4	96
180970078	2013	8	24	13	V	0.8	1.1	1.99	55
180970078	2013	8	24	14	V	0.8	1.1	1.89	322
180970078	2013	8	24	15	V	0.3	1	2.45	282
180970078	2013	8	24	16	V	4.8	1	2.16	206

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	24	17	V	0.1	0.9	2.33	177
180970078	2013	8	24	18	V	0.04	0.8	3.63	158
180970078	2013	8	24	19	V	0.05	0.7	2.84	147
180970078	2013	8	24	20	V	0.09	0.7	2.21	318
180970078	2013	8	24	21	V	0.2	0.7	1.72	335
180970078	2013	8	24	22	V	0.4	0.7	1.18	42
180970078	2013	8	24	23	V	0.3	0.6	1.23	94
180970078	2013	8	24	24	V	1.7	0.5	0.63	43
180970078	2013	8	25	1	V	0.2	0.5	1.55	104
180970078	2013	8	25	2	V	0.1	0.5	1.81	107
180970078	2013	8	25	3	V	0.2	0.4	1.52	131
180970078	2013	8	25	4	V	0.3	0.4	1.23	189
180970078	2013	8	25	5	V	0.6	0.4	1.01	140
180970078	2013	8	25	6	V	0.6	0.4	1.93	111
180970078	2013	8	25	7	V	1.1	0.5	1.74	116
180970078	2013	8	25	8	V	0.6	0.9	2.06	131
180970078	2013	8	25	9	V	2.1	2	2.45	189
180970078	2013	8	25	10	V	6.7	9.5	3.29	211
180970078	2013	8	25	11	V	4.1	34.7	3.63	217
180970078	2013	8	25	12	V	3.3	13.7	2.86	204
180970078	2013	8	25	13	V	0.5	19.2	2.86	252
180970078	2013	8	25	14	V	0.4	13.6	2.36	277
180970078	2013	8	25	15	M	-999	8.8	2.36	999
180970078	2013	8	25	16	V	0.2	4.6	2.36	143
180970078	2013	8	25	17	V	0.2	1.4	1.76	153
180970078	2013	8	25	18	V	0.05	1	4.24	189
180970078	2013	8	25	19	V	0.05	0.9	4.1	193
180970078	2013	8	25	20	V	6.5	0.9	3.3	205
180970078	2013	8	25	21	V	0.2	0.9	1.74	237
180970078	2013	8	25	22	V	53.8	0.8	1.96	213
180970078	2013	8	25	23	V	48.7	0.7	1.35	210
180970078	2013	8	25	24	V	0.3	0.6	1.25	169
180970078	2013	8	26	1	V	7.9	0.6	1.4	203
180970078	2013	8	26	2	V	4.5	0.6	1.47	228
180970078	2013	8	26	3	V	24.4	0.5	2.13	218
180970078	2013	8	26	4	V	32.4	0.5	1.86	211
180970078	2013	8	26	5	V	0.08	0.7	2.13	237
180970078	2013	8	26	6	V	1.1	1.2	2.73	239
180970078	2013	8	26	7	V	17.9	1.5	2.25	224
180970078	2013	8	26	8	V	19.3	3.8	2.78	218
180970078	2013	8	26	9	V	0.4	4.1	3.73	244
180970078	2013	8	26	10	V	0.06	2.9	5.17	257
180970078	2013	8	26	11	V	0.06	2.1	5.43	257
180970078	2013	8	26	12	V	0.05	1.9	5.63	262
180970078	2013	8	26	13	V	0.06	1.3	5.09	259
180970078	2013	8	26	14	V	0.05	1.5	4.36	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	26	15	V	0.03	1.3	4.73	268
180970078	2013	8	26	16	V	0.04	1	5.16	249
180970078	2013	8	26	17	V	0.03	1.2	4.97	240
180970078	2013	8	26	18	V	4.3	1.6	5.38	226
180970078	2013	8	26	19	V	4.9	1	3.93	226
180970078	2013	8	26	20	V	37.8	0.8	2.96	216
180970078	2013	8	26	21	V	38.6	0.7	2.78	216
180970078	2013	8	26	22	V	48.1	0.7	2.96	214
180970078	2013	8	26	23	V	38.6	0.7	2.62	216
180970078	2013	8	26	24	V	11.5	1	2.88	222
180970078	2013	8	27	1	V	16.4	1.5	3.51	219
180970078	2013	8	27	2	V	0.5	1.5	3.73	231
180970078	2013	8	27	3	V	0.1	1.2	3.98	241
180970078	2013	8	27	4	V	0.2	0.9	3.63	244
180970078	2013	8	27	5	V	0.1	0.9	3.44	240
180970078	2013	8	27	6	V	2.6	1	3.58	232
180970078	2013	8	27	7	V	2.2	1.1	3.74	232
180970078	2013	8	27	8	V	6.0	1.3	4.03	227
180970078	2013	8	27	9	V	0.2	1.8	4.39	245
180970078	2013	8	27	10	V	0.1	2.2	3.98	256
180970078	2013	8	27	11	V	0.2	2.1	3.57	260
180970078	2013	8	27	12	V	0.1	1.6	4.32	255
180970078	2013	8	27	13	V	0.08	1.3	4.37	257
180970078	2013	8	27	14	V	0.04	1	5.67	262
180970078	2013	8	27	15	V	0.04	0.8	5.6	257
180970078	2013	8	27	16	V	0.03	0.7	6.43	252
180970078	2013	8	27	17	V	0.03	0.7	6.36	242
180970078	2013	8	27	18	V	0.5	0.9	5.9	233
180970078	2013	8	27	19	V	0.2	2.4	6.53	245
180970078	2013	8	27	20	V	0.2	1.3	5.14	235
180970078	2013	8	27	21	V	1.4	0.9	3.88	229
180970078	2013	8	27	22	V	0.8	0.7	4.22	231
180970078	2013	8	27	23	V	1.0	0.7	4.12	230
180970078	2013	8	27	24	V	0.4	0.7	4.08	232
180970078	2013	8	28	1	V	0.8	0.7	4.71	231
180970078	2013	8	28	2	V	0.3	0.7	5.02	233
180970078	2013	8	28	3	V	0.1	0.6	4.39	238
180970078	2013	8	28	4	V	0.2	0.6	4.75	235
180970078	2013	8	28	5	V	0.2	0.5	4.71	246
180970078	2013	8	28	6	V	0.1	0.7	4.6	247
180970078	2013	8	28	7	V	0.1	1	5.04	242
180970078	2013	8	28	8	V	0.05	1.7	6.69	251
180970078	2013	8	28	9	V	0.03	1.8	7.2	259
180970078	2013	8	28	10	V	0.03	1.7	7.64	272
180970078	2013	8	28	11	V	0.02	1.5	8.1	280
180970078	2013	8	28	12	V	0.03	1.4	6.48	284

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	28	13	V	0.03	1.2	6.7	273
180970078	2013	8	28	14	V	0.03	0.9	6.45	287
180970078	2013	8	28	15	V	0.02	0.6	6.79	287
180970078	2013	8	28	16	V	0.02	0.5	6.94	278
180970078	2013	8	28	17	V	0.01	0.5	6.84	275
180970078	2013	8	28	18	V	0.05	0.4	5.96	287
180970078	2013	8	28	19	V	0.05	0.4	5.14	330
180970078	2013	8	28	20	V	0.05	0.4	4.66	357
180970078	2013	8	28	21	V	0.05	0.4	3.81	350
180970078	2013	8	28	22	V	0.05	0.4	3.73	340
180970078	2013	8	28	23	V	0.05	0.4	4.37	350
180970078	2013	8	28	24	V	0.04	0.4	3.2	355
180970078	2013	8	29	1	V	0.04	0.4	2.56	353
180970078	2013	8	29	2	V	0.05	0.4	2.5	357
180970078	2013	8	29	3	V	0.03	0.4	2.88	12
180970078	2013	8	29	4	V	0.03	0.4	3.42	30
180970078	2013	8	29	5	V	0.04	0.3	3.57	27
180970078	2013	8	29	6	V	0.2	0.3	3.49	34
180970078	2013	8	29	7	V	0.3	0.3	3.44	35
180970078	2013	8	29	8	V	0.3	0.3	3.85	41
180970078	2013	8	29	9	V	0.3	0.4	3.32	62
180970078	2013	8	29	10	V	0.1	1.4	3.9	78
180970078	2013	8	29	11	V	0.2	3.5	3.15	80
180970078	2013	8	29	12	V	0.2	3.5	3	46
180970078	2013	8	29	13	V	0.3	2.5	2.69	55
180970078	2013	8	29	14	V	0.3	1.7	2.76	48
180970078	2013	8	29	15	V	0.2	1.3	2.89	60
180970078	2013	8	29	16	V	0.06	1.5	3.64	65
180970078	2013	8	29	17	V	0.07	1.1	2.64	76
180970078	2013	8	29	18	V	0.06	0.7	2.54	88
180970078	2013	8	29	19	V	0.05	0.6	2.78	115
180970078	2013	8	29	20	V	0.05	0.6	3.47	106
180970078	2013	8	29	21	V	0.05	0.6	4.39	98
180970078	2013	8	29	22	V	0.04	0.6	3.23	101
180970078	2013	8	29	23	V	0.04	0.6	3.01	106
180970078	2013	8	29	24	V	0.05	0.5	2.37	113
180970078	2013	8	30	1	V	0.05	0.5	2.45	110
180970078	2013	8	30	2	V	0.07	0.4	1.99	119
180970078	2013	8	30	3	V	0.07	0.4	2.04	115
180970078	2013	8	30	4	V	0.05	0.4	2.49	146
180970078	2013	8	30	5	V	0.1	0.4	1.59	137
180970078	2013	8	30	6	V	0.5	0.4	1.98	149
180970078	2013	8	30	7	V	1.2	0.4	1.77	142
180970078	2013	8	30	8	V	0.8	0.5	1.99	164
180970078	2013	8	30	9	V	6.3	4.4	2.33	197
180970078	2013	8	30	10	V	7.0	63.8	3.39	216

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	8	30	11	V	3.2	29.4	3.12	213
180970078	2013	8	30	12	V	1.0	8.9	3.66	238
180970078	2013	8	30	13	V	0.8	3.7	3.88	239
180970078	2013	8	30	14	V	0.1	2.2	3.69	258
180970078	2013	8	30	15	V	0.08	2.1	3.74	278
180970078	2013	8	30	16	V	0.08	2	3.47	257
180970078	2013	8	30	17	V	0.04	1.2	3.46	272
180970078	2013	8	30	18	V	0.2	1	4.14	243
180970078	2013	8	30	19	V	11.7	1.2	4.68	222
180970078	2013	8	30	20	V	11.8	1.7	4.02	222
180970078	2013	8	30	21	V	24.0	1.7	4	218
180970078	2013	8	30	22	V	0.8	1.4	3.56	231
180970078	2013	8	30	23	V	2.6	-999	4.41	228
180970078	2013	8	30	24	V	0.04	-999	5.39	287
180970078	2013	8	31	1	V	0.1	0.9	2.79	237
180970078	2013	8	31	2	V	0.05	0.6	2.81	289
180970078	2013	8	31	3	V	0.04	0.6	2.96	1
180970078	2013	8	31	4	V	0.05	0.5	2.67	13
180970078	2013	8	31	5	V	0.09	0.5	1.98	320
180970078	2013	8	31	6	V	2.1	0.5	1.06	278
180970078	2013	8	31	7	V	9.4	0.5	1.5	233
180970078	2013	8	31	8	V	12.6	0.7	1.72	216
180970078	2013	8	31	9	V	6.1	5.1	1.79	199
180970078	2013	8	31	10	V	5.9	67.8	2.35	205
180970078	2013	8	31	11	V	5.5	50.6	2.78	208
180970078	2013	8	31	12	V	2.9	64.5	4.09	215
180970078	2013	8	31	13	V	2.9	43.3	4.36	213
180970078	2013	8	31	14	V	0.08	15.1	4.07	260
180970078	2013	8	31	15	V	0.03	3.2	4.82	266
180970078	2013	8	31	16	V	0.02	2.8	7.06	276
180970078	2013	8	31	17	V	0.01	1.5	8.62	26
180970078	2013	8	31	18	V	0.05	0.9	4.85	88
180970078	2013	8	31	19	V	0.06	0.7	5.26	157
180970078	2013	8	31	20	V	0.04	0.6	6.16	129
180970078	2013	8	31	21	V	0.05	0.5	4.99	135
180970078	2013	8	31	22	V	0.05	0.5	5.44	127
180970078	2013	8	31	23	V	0.06	0.5	4.88	177
180970078	2013	8	31	24	V	1.3	0.4	5.89	199
180970078	2013	9	1	1	V	0.05	0.4	4.6	176
180970078	2013	9	1	2	V	22.4	1	5	211
180970078	2013	9	1	3	V	0.6	2.7	4.02	199
180970078	2013	9	1	4	V	0.05	1.4	2.15	178
180970078	2013	9	1	5	V	0.2	0.9	1.35	111
180970078	2013	9	1	6	V	0.3	0.7	2.54	149
180970078	2013	9	1	7	V	0.4	0.6	2.4	181
180970078	2013	9	1	8	V	0.7	0.6	2.16	183

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	1	9	V	0.4	1.1	2.18	175
180970078	2013	9	1	10	V	24.3	5.3	2.95	211
180970078	2013	9	1	11	V	11.8	10.4	2.91	222
180970078	2013	9	1	12	V	6.2	4.8	3.05	228
180970078	2013	9	1	13	V	0.09	2.2	4.32	245
180970078	2013	9	1	14	V	0.1	1.4	4.26	246
180970078	2013	9	1	15	V	0.06	1	3.83	262
180970078	2013	9	1	16	V	0.04	0.8	4.85	268
180970078	2013	9	1	17	V	0.03	0.7	4.31	280
180970078	2013	9	1	18	V	0.4	0.6	2.96	249
180970078	2013	9	1	19	V	0.08	0.5	3.61	259
180970078	2013	9	1	20	V	0.05	0.5	2.93	268
180970078	2013	9	1	21	V	0.05	0.5	3.2	299
180970078	2013	9	1	22	V	0.1	0.4	2.08	302
180970078	2013	9	1	23	V	0.05	0.4	2.59	289
180970078	2013	9	1	24	V	0.03	0.4	3.13	327
180970078	2013	9	2	1	V	0.09	0.4	2.47	255
180970078	2013	9	2	2	V	6.5	0.4	3.66	224
180970078	2013	9	2	3	V	28.3	0.4	2.52	210
180970078	2013	9	2	4	V	34.2	0.5	1.81	211
180970078	2013	9	2	5	V	0.6	0.6	2.33	231
180970078	2013	9	2	6	V	0.3	0.6	3.12	240
180970078	2013	9	2	7	V	0.1	0.6	3.46	265
180970078	2013	9	2	8	V	0.3	0.6	2.91	294
180970078	2013	9	2	9	V	0.3	0.6	3.03	268
180970078	2013	9	2	10	V	0.2	0.5	3.73	299
180970078	2013	9	2	11	V	0.2	0.6	3.9	325
180970078	2013	9	2	12	V	0.1	0.6	4.03	335
180970078	2013	9	2	13	V	0.2	0.6	3.03	344
180970078	2013	9	2	14	V	0.1	0.6	3.08	325
180970078	2013	9	2	15	V	0.03	0.5	5.34	327
180970078	2013	9	2	16	V	0.02	0.4	5.16	327
180970078	2013	9	2	17	V	0.01	0.4	6.07	337
180970078	2013	9	2	18	V	0.03	0.4	5.9	332
180970078	2013	9	2	19	V	0.03	0.4	5.33	351
180970078	2013	9	2	20	V	0.03	0.4	3.85	354
180970078	2013	9	2	21	V	0.03	0.4	3.05	5
180970078	2013	9	2	22	V	0.02	0.4	5.02	15
180970078	2013	9	2	23	V	0.02	0.4	5.92	13
180970078	2013	9	2	24	V	0.02	0.3	5.62	16
180970078	2013	9	3	1	V	0.02	0.3	5.31	13
180970078	2013	9	3	2	V	0.02	0.3	5.68	22
180970078	2013	9	3	3	V	0.02	0.3	6.16	22
180970078	2013	9	3	4	V	0.02	0.3	5.31	32
180970078	2013	9	3	5	V	0.02	0.3	4.1	38
180970078	2013	9	3	6	V	0.2	0.3	2.57	17

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	3	7	V	0.3	0.3	2.42	8
180970078	2013	9	3	8	V	0.2	0.4	2.76	19
180970078	2013	9	3	9	V	0.1	0.4	3.35	37
180970078	2013	9	3	10	V	0.1	0.3	3.41	22
180970078	2013	9	3	11	V	0.06	0.3	4.03	25
180970078	2013	9	3	12	V	0.05	0.3	4.48	16
180970078	2013	9	3	13	V	0.05	0.3	4.19	358
180970078	2013	9	3	14	V	0.03	0.3	5.02	340
180970078	2013	9	3	15	V	0.04	0.3	4.37	356
180970078	2013	9	3	16	V	0.03	0.4	3.97	336
180970078	2013	9	3	17	V	0.02	0.6	3.54	356
180970078	2013	9	3	18	V	0.03	0.7	3.51	334
180970078	2013	9	3	19	V	0.04	0.4	3.39	341
180970078	2013	9	3	20	V	0.03	0.4	3	332
180970078	2013	9	3	21	V	0.05	0.3	2.33	355
180970078	2013	9	3	22	V	0.05	0.4	2.16	34
180970078	2013	9	3	23	V	0.08	0.4	1.82	52
180970078	2013	9	3	24	V	1.0	0.5	0.7	92
180970078	2013	9	4	1	V	0.09	0.5	1.69	269
180970078	2013	9	4	2	V	0.5	0.5	1.91	250
180970078	2013	9	4	3	V	0.1	0.6	1.55	263
180970078	2013	9	4	4	V	0.2	0.7	1.3	296
180970078	2013	9	4	5	V	0.2	0.7	1.74	254
180970078	2013	9	4	6	V	1.1	0.8	1.04	267
180970078	2013	9	4	7	V	4.6	0.8	0.53	293
180970078	2013	9	4	8	V	5.7	1	0.92	239
180970078	2013	9	4	9	V	3.3	1.3	1.72	242
180970078	2013	9	4	10	V	0.4	1	2.32	272
180970078	2013	9	4	11	V	0.3	0.9	2.64	303
180970078	2013	9	4	12	V	0.2	0.9	3.1	329
180970078	2013	9	4	13	V	0.4	0.8	2.37	307
180970078	2013	9	4	14	V	0.4	0.6	2.34	291
180970078	2013	9	4	15	V	0.1	0.6	3.36	295
180970078	2013	9	4	16	V	0.08	0.6	3.56	273
180970078	2013	9	4	17	V	0.03	0.6	3.49	290
180970078	2013	9	4	18	V	0.05	0.7	3.51	287
180970078	2013	9	4	19	V	0.05	0.6	3.03	281
180970078	2013	9	4	20	V	0.05	0.6	2.96	262
180970078	2013	9	4	21	V	0.07	0.5	2.59	264
180970078	2013	9	4	22	V	0.07	0.5	2.67	264
180970078	2013	9	4	23	V	0.1	0.5	2.11	262
180970078	2013	9	4	24	V	0.6	0.5	2.72	248
180970078	2013	9	5	1	V	0.4	0.4	2.83	251
180970078	2013	9	5	2	V	0.07	0.4	2.15	268
180970078	2013	9	5	3	V	0.08	0.4	2.04	271
180970078	2013	9	5	4	V	0.05	0.4	2.47	266

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	5	5	V	0.05	0.4	2.62	263
180970078	2013	9	5	6	V	0.4	0.5	2.3	256
180970078	2013	9	5	7	V	0.9	0.5	1.81	292
180970078	2013	9	5	8	V	3.8	0.7	1.04	303
180970078	2013	9	5	9	V	3.5	1.6	1.18	342
180970078	2013	9	5	10	V	0.4	1.5	2.78	360
180970078	2013	9	5	11	V	0.2	2	3.18	26
180970078	2013	9	5	12	V	0.2	3.8	3.08	30
180970078	2013	9	5	13	V	0.5	5.1	2.13	22
180970078	2013	9	5	14	V	0.9	3.8	1.64	344
180970078	2013	9	5	15	V	0.3	2.1	2.33	327
180970078	2013	9	5	16	V	0.1	1.7	3.17	359
180970078	2013	9	5	17	V	0.03	1.7	3.29	345
180970078	2013	9	5	18	V	0.05	1.5	3.73	345
180970078	2013	9	5	19	V	0.05	1.2	4.09	354
180970078	2013	9	5	20	V	0.05	1	3.9	20
180970078	2013	9	5	21	V	0.05	0.7	4.39	38
180970078	2013	9	5	22	V	0.05	0.5	4.02	49
180970078	2013	9	5	23	V	0.04	0.5	3.15	50
180970078	2013	9	5	24	V	0.04	0.4	3.23	46
180970078	2013	9	6	1	V	0.04	0.5	3.75	80
180970078	2013	9	6	2	V	0.03	0.8	4.42	88
180970078	2013	9	6	3	V	0.03	0.9	3.88	89
180970078	2013	9	6	4	V	0.03	0.7	4.05	99
180970078	2013	9	6	5	V	0.04	0.6	4.24	97
180970078	2013	9	6	6	V	0.1	0.6	3.64	89
180970078	2013	9	6	7	V	0.2	1.1	3.51	94
180970078	2013	9	6	8	V	0.2	2	4.2	99
180970078	2013	9	6	9	V	0.2	2.1	3.9	109
180970078	2013	9	6	10	V	0.2	1.6	3.61	129
180970078	2013	9	6	11	V	0.3	1.4	2.73	121
180970078	2013	9	6	12	V	0.3	1.2	2.66	146
180970078	2013	9	6	13	V	0.6	1	2.03	137
180970078	2013	9	6	14	V	6.4	0.9	2.03	203
180970078	2013	9	6	15	V	0.8	0.8	1.45	85
180970078	2013	9	6	16	V	8.1	1.8	1.52	211
180970078	2013	9	6	17	V	0.07	3.3	1.77	292
180970078	2013	9	6	18	V	0.3	7.3	1.33	89
180970078	2013	9	6	19	V	0.06	2.8	2.91	166
180970078	2013	9	6	20	V	0.05	1	3.05	150
180970078	2013	9	6	21	V	0.06	0.8	2.69	124
180970078	2013	9	6	22	V	0.05	0.8	3.39	142
180970078	2013	9	6	23	V	0.05	-999	2.83	134
180970078	2013	9	6	24	V	0.07	-999	2.54	140
180970078	2013	9	7	1	V	0.06	1	2.44	147
180970078	2013	9	7	2	V	0.09	0.7	1.87	174

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	7	3	V	0.08	0.6	1.96	175
180970078	2013	9	7	4	V	0.09	0.6	1.89	170
180970078	2013	9	7	5	V	0.08	0.5	1.94	165
180970078	2013	9	7	6	V	0.7	0.5	1.59	152
180970078	2013	9	7	7	V	0.6	0.6	1.99	119
180970078	2013	9	7	8	V	0.8	1.4	1.86	134
180970078	2013	9	7	9	V	5.7	8	2.35	193
180970078	2013	9	7	10	V	0.3	14.8	3.4	245
180970078	2013	9	7	11	V	0.1	3.9	5.16	248
180970078	2013	9	7	12	V	0.06	2.5	5.92	253
180970078	2013	9	7	13	V	0.2	3.2	5.43	238
180970078	2013	9	7	14	V	6.8	3.2	4.71	221
180970078	2013	9	7	15	V	0.5	2.7	4.54	236
180970078	2013	9	7	16	V	1.9	1.9	4.58	228
180970078	2013	9	7	17	V	3.5	1.8	5.19	223
180970078	2013	9	7	18	V	0.1	1.6	4.42	238
180970078	2013	9	7	19	V	0.2	1.1	3.39	243
180970078	2013	9	7	20	V	36.7	1.1	3.46	216
180970078	2013	9	7	21	V	25.5	1.7	3.2	218
180970078	2013	9	7	22	V	44.3	1.4	2.76	210
180970078	2013	9	7	23	V	8.2	2.9	2.13	205
180970078	2013	9	7	24	V	0.08	2.2	2.2	193
180970078	2013	9	8	1	V	25.5	1.4	1.43	206
180970078	2013	9	8	2	V	0.2	1	2.78	243
180970078	2013	9	8	3	V	0.1	0.8	3.47	238
180970078	2013	9	8	4	V	12.1	0.9	2.78	222
180970078	2013	9	8	5	V	45.8	1	1.62	215
180970078	2013	9	8	6	V	29.7	0.9	1.76	218
180970078	2013	9	8	7	V	13.0	0.9	1.01	198
180970078	2013	9	8	8	V	2.3	1.5	1.3	119
180970078	2013	9	8	9	V	1.8	3.7	1.42	171
180970078	2013	9	8	10	V	3.1	3.9	1.03	152
180970078	2013	9	8	11	V	1.0	3.2	1.42	121
180970078	2013	9	8	12	V	2.8	2.4	2.57	191
180970078	2013	9	8	13	V	14.5	2.5	4.58	217
180970078	2013	9	8	14	V	15.1	18.8	3.3	213
180970078	2013	9	8	15	V	1.6	14.4	2.38	239
180970078	2013	9	8	16	V	0.2	8.3	2.59	257
180970078	2013	9	8	17	V	0.07	5.4	2.69	254
180970078	2013	9	8	18	V	7.4	4.3	2.69	224
180970078	2013	9	8	19	V	0.4	2.8	3.81	233
180970078	2013	9	8	20	V	0.3	1.9	2.64	253
180970078	2013	9	8	21	V	0.05	1.2	3.73	25
180970078	2013	9	8	22	V	0.05	0.9	4.83	75
180970078	2013	9	8	23	V	0.04	0.7	4.02	84
180970078	2013	9	8	24	V	0.03	0.6	3.63	109

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	9	1	V	0.03	0.5	3.35	130
180970078	2013	9	9	2	V	0.04	0.5	2.89	124
180970078	2013	9	9	3	V	0.03	0.5	2.96	134
180970078	2013	9	9	4	V	0.03	0.4	3.34	130
180970078	2013	9	9	5	V	0.04	0.4	2.89	145
180970078	2013	9	9	6	V	0.3	0.4	2.55	158
180970078	2013	9	9	7	V	0.7	0.4	2.4	166
180970078	2013	9	9	8	V	0.5	0.6	2.93	162
180970078	2013	9	9	9	V	0.2	1.6	3.85	179
180970078	2013	9	9	10	V	0.09	2.5	4.85	188
180970078	2013	9	9	11	V	1.6	4.8	5.58	199
180970078	2013	9	9	12	V	2.8	24.7	6.16	201
180970078	2013	9	9	13	V	4.0	18.9	6.55	203
180970078	2013	9	9	14	V	8.8	21.4	7.2	209
180970078	2013	9	9	15	V	7.2	22.2	6.74	219
180970078	2013	9	9	16	V	2.8	16	7.03	204
180970078	2013	9	9	17	V	10.9	19.2	7.18	215
180970078	2013	9	9	18	V	14.1	14.3	6.77	206
180970078	2013	9	9	19	V	14.2	22.6	5.67	206
180970078	2013	9	9	20	V	6.4	29.8	4.63	204
180970078	2013	9	9	21	V	1.6	12.3	3.95	202
180970078	2013	9	9	22	V	0.2	8.1	4.1	199
180970078	2013	9	9	23	V	9.2	7.1	4.56	205
180970078	2013	9	9	24	V	27.4	5.6	4.12	209
180970078	2013	9	10	1	V	12.2	4.5	4.12	206
180970078	2013	9	10	2	V	43.8	11.5	3.83	212
180970078	2013	9	10	3	V	42.6	18.1	3.34	211
180970078	2013	9	10	4	V	16.2	16.7	3.42	220
180970078	2013	9	10	5	V	42.1	14.9	3.27	215
180970078	2013	9	10	6	V	37.0	12.4	2.71	211
180970078	2013	9	10	7	V	26.9	11.6	2.78	205
180970078	2013	9	10	8	V	39.7	13.7	2.52	211
180970078	2013	9	10	9	V	2.8	21.3	4.65	229
180970078	2013	9	10	10	V	2.3	10.3	4.22	231
180970078	2013	9	10	11	V	2.2	5.8	3.73	232
180970078	2013	9	10	12	V	0.8	3.7	3.41	240
180970078	2013	9	10	13	V	3.2	2.4	3.93	227
180970078	2013	9	10	14	V	2.0	1.8	4.92	228
180970078	2013	9	10	15	V	0.06	1.2	5.21	245
180970078	2013	9	10	16	V	0.04	1	4.9	254
180970078	2013	9	10	17	V	0.3	-999	4.12	231
180970078	2013	9	10	18	V	0.05	-999	7.47	188
180970078	2013	9	10	19	V	0.2	3.9	7.3	245
180970078	2013	9	10	20	V	0.3	2.7	3.88	234
180970078	2013	9	10	21	V	0.9	8.4	4.02	199
180970078	2013	9	10	22	V	0.09	11	3.47	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	10	23	V	43.8	5	3.86	212
180970078	2013	9	10	24	V	0.04	5.5	3.27	195
180970078	2013	9	11	1	V	1.1	7.3	2.93	229
180970078	2013	9	11	2	V	29.1	14.1	3.05	210
180970078	2013	9	11	3	V	23.7	17.3	3.69	210
180970078	2013	9	11	4	V	2.4	26.7	2.96	228
180970078	2013	9	11	5	V	3.1	20.8	3.59	227
180970078	2013	9	11	6	V	34.4	15.6	2.98	216
180970078	2013	9	11	7	V	41.4	12.3	2.72	214
180970078	2013	9	11	8	V	40.1	13.2	3.37	211
180970078	2013	9	11	9	V	2.3	12.1	4.73	231
180970078	2013	9	11	10	V	0.2	6.4	4.12	244
180970078	2013	9	11	11	V	1.0	4.8	3.39	239
180970078	2013	9	11	12	V	0.1	3.7	4.02	252
180970078	2013	9	11	13	V	0.04	2.6	5.26	258
180970078	2013	9	11	14	V	0.03	1.9	5.92	256
180970078	2013	9	11	15	V	0.03	2	6.16	257
180970078	2013	9	11	16	V	0.02	-999	7.11	258
180970078	2013	9	11	17	V	0.1	-999	7.47	254
180970078	2013	9	11	18	V	0.2	-999	6.77	249
180970078	2013	9	11	19	V	0.2	-999	5.34	246
180970078	2013	9	11	20	V	42.0	0.9	3.71	215
180970078	2013	9	11	21	V	47.4	2.2	3.68	214
180970078	2013	9	11	22	V	3.5	1.8	3.37	226
180970078	2013	9	11	23	V	0.1	-999	3.42	235
180970078	2013	9	11	24	V	0.3	-999	3.15	232
180970078	2013	9	12	1	V	0.3	-999	3.59	232
180970078	2013	9	12	2	V	0.2	-999	3.93	244
180970078	2013	9	12	3	V	0.04	-999	3.03	283
180970078	2013	9	12	4	V	0.1	-999	3.13	237
180970078	2013	9	12	5	V	0.05	-999	3.73	274
180970078	2013	9	12	6	V	0.1	-999	3.23	350
180970078	2013	9	12	7	V	1.1	-999	1.81	317
180970078	2013	9	12	8	V	42.0	-999	1.96	219
180970078	2013	9	12	9	V	0.4	-999	3.07	239
180970078	2013	9	12	10	V	0.3	-999	3.68	249
180970078	2013	9	12	11	V	0.1	-999	3.8	257
180970078	2013	9	12	12	V	0.1	-999	4.07	279
180970078	2013	9	12	13	V	0.1	-999	4.09	274
180970078	2013	9	12	14	V	0.09	-999	4.36	283
180970078	2013	9	12	15	V	0.04	-999	5.27	270
180970078	2013	9	12	16	V	0.03	-999	5.58	263
180970078	2013	9	12	17	V	0.08	-999	6.58	260
180970078	2013	9	12	18	V	0.09	-999	6.92	257
180970078	2013	9	12	19	V	0.04	-999	6.01	267
180970078	2013	9	12	20	V	0.03	-999	7.52	324

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	12	21	V	0.04	-999	7.93	331
180970078	2013	9	12	22	V	0.04	-999	7.33	346
180970078	2013	9	12	23	V	0.03	-999	7.33	354
180970078	2013	9	12	24	V	0.03	-999	6.62	354
180970078	2013	9	13	1	V	0.03	-999	6.58	358
180970078	2013	9	13	2	V	0.02	0.2	5.55	2
180970078	2013	9	13	3	V	0.02	0.1	5.22	10
180970078	2013	9	13	4	V	0.02	0.1	5.28	15
180970078	2013	9	13	5	V	0.02	0.1	4.32	15
180970078	2013	9	13	6	V	0.1	0.1	3.15	359
180970078	2013	9	13	7	V	0.1	0.1	3.63	2
180970078	2013	9	13	8	V	0.07	0.1	4.76	13
180970078	2013	9	13	9	V	0.02	0.1	6.3	16
180970078	2013	9	13	10	V	0.03	0.1	6.09	6
180970078	2013	9	13	11	V	0.01	0	7.47	352
180970078	2013	9	13	12	V	0.02	0.1	6.98	358
180970078	2013	9	13	13	V	0.01	0	7.82	350
180970078	2013	9	13	14	V	0.01	0	6.81	344
180970078	2013	9	13	15	V	0.01	0	6.19	349
180970078	2013	9	13	16	V	0.01	0	5.79	359
180970078	2013	9	13	17	V	0.03	0	6.29	356
180970078	2013	9	13	18	V	0.03	0.1	5.21	350
180970078	2013	9	13	19	V	0.03	0.1	4.68	359
180970078	2013	9	13	20	V	0.03	0.2	5.28	357
180970078	2013	9	13	21	V	0.03	0.3	5.17	358
180970078	2013	9	13	22	V	0.02	0.2	5.05	9
180970078	2013	9	13	23	V	0.02	-999	4.34	19
180970078	2013	9	13	24	V	0.01	-999	4.22	39
180970078	2013	9	14	1	V	0.01	0.1	3.83	50
180970078	2013	9	14	2	V	0.01	0.1	3.25	52
180970078	2013	9	14	3	V	0.01	0	2.95	50
180970078	2013	9	14	4	V	0.01	0	3.37	60
180970078	2013	9	14	5	V	0.01	0	2.93	59
180970078	2013	9	14	6	V	0.04	0	2.93	60
180970078	2013	9	14	7	V	0.09	0.1	2.86	68
180970078	2013	9	14	8	V	0.1	0.3	3.01	79
180970078	2013	9	14	9	V	0.1	0.5	2.62	90
180970078	2013	9	14	10	V	0.1	0.4	2.4	95
180970078	2013	9	14	11	V	0.09	0.3	2.62	137
180970078	2013	9	14	12	V	0.08	0.2	2.67	75
180970078	2013	9	14	13	V	0.09	0.1	2.4	79
180970078	2013	9	14	14	V	0.06	0.2	2.59	79
180970078	2013	9	14	15	V	0.05	0.2	2.55	106
180970078	2013	9	14	16	V	0.04	0.2	2.06	155
180970078	2013	9	14	17	V	0.04	0.1	1.62	183
180970078	2013	9	14	18	V	0.02	0.1	2.13	183

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	14	19	V	0.02	0.2	2.28	169
180970078	2013	9	14	20	V	0.04	0.4	1.69	124
180970078	2013	9	14	21	V	0.02	0.6	2.14	116
180970078	2013	9	14	22	V	0.02	0.6	3.36	130
180970078	2013	9	14	23	V	0.01	0.4	3.36	162
180970078	2013	9	14	24	V	0.01	0.2	2.86	160
180970078	2013	9	15	1	V	0.01	0.2	2.86	164
180970078	2013	9	15	2	V	0.02	0.2	2.36	182
180970078	2013	9	15	3	V	9.1	0.2	1.28	212
180970078	2013	9	15	4	V	0.03	0.2	1.91	170
180970078	2013	9	15	5	V	0.03	0.2	2.04	145
180970078	2013	9	15	6	V	0.2	0.2	1.67	136
180970078	2013	9	15	7	V	0.2	0.2	1.43	133
180970078	2013	9	15	8	V	0.1	0.7	2.01	142
180970078	2013	9	15	9	V	0.2	1.2	2.06	159
180970078	2013	9	15	10	V	0.2	1.9	2.59	188
180970078	2013	9	15	11	V	0.5	1.8	4.1	199
180970078	2013	9	15	12	V	0.9	6.3	4.29	202
180970078	2013	9	15	13	V	6.7	5.8	4.2	216
180970078	2013	9	15	14	V	1.4	2.8	4.73	205
180970078	2013	9	15	15	V	0.6	2.2	5.45	203
180970078	2013	9	15	16	V	1.7	2.7	6.11	210
180970078	2013	9	15	17	V	4.6	4.2	6.23	225
180970078	2013	9	15	18	V	8.5	2.7	5.34	219
180970078	2013	9	15	19	V	2.7	7.2	3.97	207
180970078	2013	9	15	20	V	0.04	4.1	1.62	288
180970078	2013	9	15	21	V	0.1	0.8	0.96	63
180970078	2013	9	15	22	V	0.02	0.5	2.47	37
180970078	2013	9	15	23	V	0.02	0.4	5.07	34
180970078	2013	9	15	24	V	0.02	0.3	5.62	28
180970078	2013	9	16	1	V	0.02	0.2	5.46	42
180970078	2013	9	16	2	V	0.03	0.2	3.52	71
180970078	2013	9	16	3	V	0.04	0.2	2.52	86
180970078	2013	9	16	4	V	0.04	0.2	2.78	54
180970078	2013	9	16	5	V	0.04	0.1	3.93	32
180970078	2013	9	16	6	V	0.07	0.1	3.73	38
180970078	2013	9	16	7	V	0.06	0.1	4.49	29
180970078	2013	9	16	8	V	0.05	0.2	5.05	33
180970078	2013	9	16	9	V	0.03	0.2	5.73	37
180970078	2013	9	16	10	V	0.05	0.3	5.6	42
180970078	2013	9	16	11	V	0.06	-999	5.38	44
180970078	2013	9	16	12	V	0.07	0.5	5.16	37
180970078	2013	9	16	13	V	0.05	0.4	5.44	39
180970078	2013	9	16	14	V	0.05	0.2	5.31	40
180970078	2013	9	16	15	V	0.03	0.2	5.68	28
180970078	2013	9	16	16	V	0.02	0.1	6.31	31

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	16	17	V	0.04	0.1	6.48	26
180970078	2013	9	16	18	V	0.04	0.1	5.77	27
180970078	2013	9	16	19	V	0.04	0	5.63	38
180970078	2013	9	16	20	V	0.04	0	4.36	42
180970078	2013	9	16	21	V	0.04	0	4.29	50
180970078	2013	9	16	22	V	0.04	0	3.63	46
180970078	2013	9	16	23	V	0.03	0	3.75	47
180970078	2013	9	16	24	V	0.03	0	3.2	57
180970078	2013	9	17	1	V	0.03	0.1	3.68	70
180970078	2013	9	17	2	V	0.04	0.1	4.95	80
180970078	2013	9	17	3	V	0.03	0	4.56	79
180970078	2013	9	17	4	V	0.03	0	4.24	80
180970078	2013	9	17	5	V	0.03	0	4.63	79
180970078	2013	9	17	6	V	0.1	0.1	3.78	79
180970078	2013	9	17	7	V	0.2	0.1	3.75	75
180970078	2013	9	17	8	V	0.1	0.3	4.05	84
180970078	2013	9	17	9	V	0.1	0.5	4.09	99
180970078	2013	9	17	10	V	0.1	0.7	3.9	101
180970078	2013	9	17	11	V	0.1	1.1	3.9	112
180970078	2013	9	17	12	V	0.06	0.9	4.24	112
180970078	2013	9	17	13	V	0.05	0.6	4.2	109
180970078	2013	9	17	14	V	0.05	0.5	4.1	107
180970078	2013	9	17	15	V	0.05	0.4	3.95	92
180970078	2013	9	17	16	V	0.03	0.5	4	84
180970078	2013	9	17	17	V	0.04	0.6	3.97	87
180970078	2013	9	17	18	V	0.04	0.7	3.91	93
180970078	2013	9	17	19	V	0.04	0.7	3.3	101
180970078	2013	9	17	20	V	0.04	0.7	3.3	108
180970078	2013	9	17	21	V	0.04	0.7	2.9	114
180970078	2013	9	17	22	V	0.05	0.6	2.45	111
180970078	2013	9	17	23	V	0.07	-999	2.06	106
180970078	2013	9	17	24	V	0.05	-999	2.25	101
180970078	2013	9	18	1	V	0.04	-999	3.32	119
180970078	2013	9	18	2	V	0.03	3.7	3.73	131
180970078	2013	9	18	3	V	0.03	2.7	3.63	135
180970078	2013	9	18	4	V	0.03	2	2.23	120
180970078	2013	9	18	5	V	0.07	1.6	1.77	107
180970078	2013	9	18	6	V	0.09	2.9	2.1	101
180970078	2013	9	18	7	V	0.5	4.3	1.94	114
180970078	2013	9	18	8	V	0.6	4.6	1.96	125
180970078	2013	9	18	9	V	0.6	5.5	2.06	154
180970078	2013	9	18	10	V	0.7	8.2	2.03	184
180970078	2013	9	18	11	V	14.5	17	3.17	216
180970078	2013	9	18	12	V	11.3	12	2.49	209
180970078	2013	9	18	13	V	11.7	14.5	2.79	214
180970078	2013	9	18	14	V	1.8	11	2.89	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	18	15	V	1.2	20.1	3.01	194
180970078	2013	9	18	16	V	10.4	14.4	2.74	216
180970078	2013	9	18	17	V	1.3	14.4	4.05	201
180970078	2013	9	18	18	V	18.6	14.8	4.82	210
180970078	2013	9	18	19	V	1.1	9.4	5.34	201
180970078	2013	9	18	20	V	0.03	2.2	5.21	187
180970078	2013	9	18	21	V	0.03	1.2	4.75	183
180970078	2013	9	18	22	V	0.03	0.9	4.61	174
180970078	2013	9	18	23	V	0.02	0.7	4.12	170
180970078	2013	9	18	24	V	0.03	0.6	3.64	173
180970078	2013	9	19	1	V	0.03	0.6	3.78	172
180970078	2013	9	19	2	V	0.03	0.6	3.3	178
180970078	2013	9	19	3	V	0.03	0.6	3.35	187
180970078	2013	9	19	4	V	5.8	0.7	4.27	206
180970078	2013	9	19	5	V	0.2	1.8	5.09	247
180970078	2013	9	19	6	V	14.3	1.5	3.37	218
180970078	2013	9	19	7	V	0.4	0.8	2.78	190
180970078	2013	9	19	8	V	29.1	0.6	2.72	214
180970078	2013	9	19	9	V	9.3	0.6	2.28	229
180970078	2013	9	19	10	V	0.03	0.5	5.43	184
180970078	2013	9	19	11	V	0.04	0.4	6.77	194
180970078	2013	9	19	12	V	1.3	1.3	6.4	203
180970078	2013	9	19	13	V	0.01	5.9	6.41	189
180970078	2013	9	19	14	V	0.02	2.8	5.63	187
180970078	2013	9	19	15	V	0.2	1.6	6.01	198
180970078	2013	9	19	16	V	0.2	3.7	5.38	199
180970078	2013	9	19	17	V	2.5	7.6	5.6	202
180970078	2013	9	19	18	V	0.03	6.3	5.24	186
180970078	2013	9	19	19	V	0.03	2.6	4.82	169
180970078	2013	9	19	20	V	0.03	1.5	4.68	170
180970078	2013	9	19	21	V	0.03	1	4.56	181
180970078	2013	9	19	22	V	0.03	0.8	4.36	182
180970078	2013	9	19	23	V	0.03	0.7	4.85	188
180970078	2013	9	19	24	V	6.7	0.6	5.48	206
180970078	2013	9	20	1	V	10.7	1.2	4.63	208
180970078	2013	9	20	2	V	0.03	4.8	4.02	191
180970078	2013	9	20	3	V	0.03	3	3.66	184
180970078	2013	9	20	4	V	0.2	2.1	4.83	197
180970078	2013	9	20	5	V	0.03	2	3.93	189
180970078	2013	9	20	6	V	0.1	1.9	3.37	179
180970078	2013	9	20	7	V	0.4	1.8	2.9	187
180970078	2013	9	20	8	V	0.1	3.7	3.71	188
180970078	2013	9	20	9	V	2.1	13.9	5.12	201
180970078	2013	9	20	10	V	10.2	17.9	5.75	214
180970078	2013	9	20	11	V	9.6	12.7	5.85	214
180970078	2013	9	20	12	V	6.0	5.2	6.31	219

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	20	13	V	3.3	4.4	6.09	223
180970078	2013	9	20	14	V	8.0	2.6	6.26	214
180970078	2013	9	20	15	V	3.9	2.6	5.63	222
180970078	2013	9	20	16	V	1.3	1.9	5.43	227
180970078	2013	9	20	17	V	0.6	1.2	6.21	233
180970078	2013	9	20	18	V	0.1	0.8	5.14	241
180970078	2013	9	20	19	V	0.2	0.6	4.07	237
180970078	2013	9	20	20	V	0.2	0.5	3.61	245
180970078	2013	9	20	21	V	0.2	0.4	3.74	244
180970078	2013	9	20	22	V	0.2	0.4	3.56	243
180970078	2013	9	20	23	V	0.3	-999	3.39	247
180970078	2013	9	20	24	V	0.03	-999	4.42	307
180970078	2013	9	21	1	V	0.03	0.3	4	317
180970078	2013	9	21	2	V	0.03	0.2	5.56	329
180970078	2013	9	21	3	V	0.03	0.2	3.8	313
180970078	2013	9	21	4	V	0.03	0.2	4.31	318
180970078	2013	9	21	5	V	0.03	0.2	3.8	321
180970078	2013	9	21	6	V	0.06	0.2	3.98	315
180970078	2013	9	21	7	V	0.09	0.2	4.26	311
180970078	2013	9	21	8	V	0.08	0.2	4.71	312
180970078	2013	9	21	9	V	0.05	0.8	5.09	313
180970078	2013	9	21	10	V	0.03	1	5.5	322
180970078	2013	9	21	11	V	0.03	1.1	5.63	320
180970078	2013	9	21	12	V	0.02	0.8	6.46	324
180970078	2013	9	21	13	V	0.01	0.6	7.08	322
180970078	2013	9	21	14	V	0.01	0.5	6.94	325
180970078	2013	9	21	15	V	0.01	0.5	6.35	330
180970078	2013	9	21	16	V	0.01	0.6	6.69	313
180970078	2013	9	21	17	V	0.02	0.4	5.97	308
180970078	2013	9	21	18	V	0.02	0.5	5.9	323
180970078	2013	9	21	19	V	0.03	0.3	4.1	323
180970078	2013	9	21	20	V	0.03	0.3	3.03	318
180970078	2013	9	21	21	V	0.03	0.4	3.25	345
180970078	2013	9	21	22	V	0.02	0.3	3.97	16
180970078	2013	9	21	23	V	0.02	0.2	3.88	23
180970078	2013	9	21	24	V	0.03	0.2	2.71	23
180970078	2013	9	22	1	V	0.03	0.2	2.76	19
180970078	2013	9	22	2	V	0.03	0.2	2.84	10
180970078	2013	9	22	3	V	0.03	0.2	2.44	360
180970078	2013	9	22	4	V	0.05	0.2	1.98	331
180970078	2013	9	22	5	V	0.05	0.2	1.99	331
180970078	2013	9	22	6	V	0.1	0.2	1.67	337
180970078	2013	9	22	7	V	0.7	0.2	1.4	325
180970078	2013	9	22	8	V	0.4	0.3	2.27	8
180970078	2013	9	22	9	V	0.2	1	3.05	30
180970078	2013	9	22	10	V	0.2	1	2.78	38

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	22	11	V	0.1	0.8	3.01	35
180970078	2013	9	22	12	V	0.2	0.6	2.69	37
180970078	2013	9	22	13	V	0.1	0.4	2.83	32
180970078	2013	9	22	14	V	0.1	0.3	2.91	5
180970078	2013	9	22	15	V	0.07	0.3	3	21
180970078	2013	9	22	16	V	0.04	0.3	3.22	32
180970078	2013	9	22	17	V	0.03	0.2	3.17	9
180970078	2013	9	22	18	V	0.03	0.2	3.32	39
180970078	2013	9	22	19	V	0.03	0.3	3.61	40
180970078	2013	9	22	20	V	0.03	0.3	3.03	32
180970078	2013	9	22	21	V	0.03	0.2	2.88	41
180970078	2013	9	22	22	V	0.04	0.2	2.47	33
180970078	2013	9	22	23	V	0.03	0.2	3.13	37
180970078	2013	9	22	24	V	0.04	0.2	2.69	46
180970078	2013	9	23	1	V	0.04	0.2	2.62	39
180970078	2013	9	23	2	V	0.02	0.2	3.91	38
180970078	2013	9	23	3	V	0.02	0.2	4.05	40
180970078	2013	9	23	4	V	0.03	0.2	3.07	45
180970078	2013	9	23	5	V	0.05	0.2	2.67	69
180970078	2013	9	23	6	V	0.08	0.2	2.81	85
180970078	2013	9	23	7	V	0.4	0.2	2.5	88
180970078	2013	9	23	8	V	0.4	-999	3	96
180970078	2013	9	23	9	V	0.2	-999	3.91	122
180970078	2013	9	23	10	V	0.2	-999	3.9	131
180970078	2013	9	23	11	V	0.2	3.3	3.59	130
180970078	2013	9	23	12	V	0.2	1.8	3.64	110
180970078	2013	9	23	13	V	0.1	0.7	3.9	99
180970078	2013	9	23	14	V	0.09	0.7	3.8	89
180970078	2013	9	23	15	V	0.06	0.7	4.05	99
180970078	2013	9	23	16	V	0.03	0.7	4.14	85
180970078	2013	9	23	17	V	0.04	0.6	4.22	82
180970078	2013	9	23	18	V	0.04	0.6	4.1	99
180970078	2013	9	23	19	V	0.04	0.7	3.85	99
180970078	2013	9	23	20	V	0.04	0.6	3.27	102
180970078	2013	9	23	21	V	0.04	0.6	4.15	108
180970078	2013	9	23	22	V	0.04	0.5	3.54	105
180970078	2013	9	23	23	V	0.03	0.4	4.46	102
180970078	2013	9	23	24	V	0.03	0.5	4.39	100
180970078	2013	9	24	1	V	0.03	0.5	3.98	104
180970078	2013	9	24	2	V	0.03	0.4	3.46	105
180970078	2013	9	24	3	V	0.03	0.4	3.88	103
180970078	2013	9	24	4	V	0.03	0.4	4.14	101
180970078	2013	9	24	5	V	0.04	0.4	4.22	95
180970078	2013	9	24	6	V	0.09	0.4	3.88	89
180970078	2013	9	24	7	V	0.2	0.8	3.74	88
180970078	2013	9	24	8	V	0.2	1.9	3.88	91

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	24	9	V	0.1	2.6	4.59	100
180970078	2013	9	24	10	V	0.1	2.1	4.39	106
180970078	2013	9	24	11	V	0.1	2	4.51	113
180970078	2013	9	24	12	V	0.08	1.8	4.85	116
180970078	2013	9	24	13	V	0.1	1.7	3.95	111
180970078	2013	9	24	14	V	0.2	1.4	3.08	113
180970078	2013	9	24	15	V	0.2	1.1	2.69	103
180970078	2013	9	24	16	V	0.1	1	2.42	118
180970078	2013	9	24	17	V	0.09	0.9	2.23	146
180970078	2013	9	24	18	V	0.1	1	1.93	148
180970078	2013	9	24	19	V	0.08	1.1	2.23	150
180970078	2013	9	24	20	V	0.08	0.9	2.33	86
180970078	2013	9	24	21	V	0.05	0.9	4.09	96
180970078	2013	9	24	22	V	0.05	0.7	3.4	100
180970078	2013	9	24	23	V	0.04	0.6	3.17	75
180970078	2013	9	24	24	V	0.05	0.6	3.49	81
180970078	2013	9	25	1	V	0.04	0.7	3.53	91
180970078	2013	9	25	2	V	0.04	1	2.86	90
180970078	2013	9	25	3	V	0.04	1.1	3.21	81
180970078	2013	9	25	4	V	0.04	1	2.76	73
180970078	2013	9	25	5	V	0.05	0.7	2.74	74
180970078	2013	9	25	6	V	0.2	0.6	3.05	59
180970078	2013	9	25	7	V	0.2	0.6	3.44	43
180970078	2013	9	25	8	V	0.4	1.1	2.93	46
180970078	2013	9	25	9	V	0.6	3.9	2.83	40
180970078	2013	9	25	10	V	0.4	5.5	2.95	54
180970078	2013	9	25	11	V	0.1	3.6	3.88	84
180970078	2013	9	25	12	V	0.07	3	4.36	75
180970078	2013	9	25	13	V	0.1	2.6	3.4	59
180970078	2013	9	25	14	V	0.2	1.9	2.67	53
180970078	2013	9	25	15	V	0.3	1.6	2.13	76
180970078	2013	9	25	16	V	0.1	1.4	2.37	30
180970078	2013	9	25	17	V	0.08	1.2	2.44	3
180970078	2013	9	25	18	V	0.05	1.2	3.81	32
180970078	2013	9	25	19	V	0.04	1.1	3.73	37
180970078	2013	9	25	20	V	0.04	1	4.09	38
180970078	2013	9	25	21	V	0.04	1.1	3.92	46
180970078	2013	9	25	22	V	0.04	1.3	3.35	54
180970078	2013	9	25	23	V	0.05	1.1	2.74	35
180970078	2013	9	25	24	V	0.06	0.7	2.67	35
180970078	2013	9	26	1	V	0.05	0.5	2.86	48
180970078	2013	9	26	2	V	0.03	0.4	3.24	44
180970078	2013	9	26	3	V	0.06	0.3	2.3	40
180970078	2013	9	26	4	V	0.08	0.3	2.1	40
180970078	2013	9	26	5	V	0.06	0.3	2.67	33
180970078	2013	9	26	6	V	0.1	0.3	2.16	24

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	26	7	V	0.3	0.3	3.37	30
180970078	2013	9	26	8	V	0.2	0.4	3.88	40
180970078	2013	9	26	9	V	1.0	0.9	2.13	35
180970078	2013	9	26	10	V	2.0	1.6	1.42	28
180970078	2013	9	26	11	V	0.4	2.5	2.54	53
180970078	2013	9	26	12	V	0.1	2.8	3.3	49
180970078	2013	9	26	13	V	0.1	2.6	3.37	98
180970078	2013	9	26	14	V	0.1	2.1	3.12	79
180970078	2013	9	26	15	V	0.2	1.8	2.67	78
180970078	2013	9	26	16	V	0.08	2	2.57	81
180970078	2013	9	26	17	V	0.09	2.1	2.23	93
180970078	2013	9	26	18	V	0.06	2.8	2.81	93
180970078	2013	9	26	19	V	0.1	1.9	1.84	74
180970078	2013	9	26	20	V	0.2	1	1.55	45
180970078	2013	9	26	21	V	0.1	1	2.16	50
180970078	2013	9	26	22	V	0.2	0.8	1.64	77
180970078	2013	9	26	23	V	0.2	0.7	1.5	78
180970078	2013	9	26	24	V	0.3	0.5	1.35	63
180970078	2013	9	27	1	V	0.07	0.6	2.16	44
180970078	2013	9	27	2	V	0.03	0.7	2.95	61
180970078	2013	9	27	3	V	0.05	0.5	2.49	65
180970078	2013	9	27	4	V	0.1	0.3	1.82	60
180970078	2013	9	27	5	V	0.08	0.3	2.16	44
180970078	2013	9	27	6	V	0.08	0.3	2.27	38
180970078	2013	9	27	7	V	0.4	0.3	2.61	36
180970078	2013	9	27	8	V	0.4	0.4	2.86	42
180970078	2013	9	27	9	V	1.6	1	1.76	63
180970078	2013	9	27	10	V	4.4	1.7	0.96	101
180970078	2013	9	27	11	V	3.6	3.9	0.94	21
180970078	2013	9	27	12	V	2.7	2.8	1.14	81
180970078	2013	9	27	13	V	0.5	1.7	2.04	79
180970078	2013	9	27	14	V	0.4	1.3	2.11	91
180970078	2013	9	27	15	V	0.3	1.2	2.15	100
180970078	2013	9	27	16	V	0.1	1	2.62	93
180970078	2013	9	27	17	V	0.08	1	2.4	100
180970078	2013	9	27	18	V	0.06	0.9	2.84	106
180970078	2013	9	27	19	V	0.08	0.9	2.35	94
180970078	2013	9	27	20	V	0.1	0.8	2.1	184
180970078	2013	9	27	21	V	0.2	0.8	1.62	165
180970078	2013	9	27	22	V	0.4	0.9	1.28	124
180970078	2013	9	27	23	V	0.07	-999	2.23	127
180970078	2013	9	27	24	V	0.05	-999	2.74	136
180970078	2013	9	28	1	V	0.3	0.5	1.38	132
180970078	2013	9	28	2	V	0.3	0.4	1.35	101
180970078	2013	9	28	3	V	0.8	0.4	0.94	93
180970078	2013	9	28	4	V	0.4	0.4	1.21	108

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	28	5	V	0.2	0.4	1.48	81
180970078	2013	9	28	6	V	0.2	0.4	1.74	76
180970078	2013	9	28	7	V	0.8	0.4	1.86	90
180970078	2013	9	28	8	V	0.9	0.4	1.88	108
180970078	2013	9	28	9	V	0.7	1.4	2.59	122
180970078	2013	9	28	10	V	0.5	2	2.66	177
180970078	2013	9	28	11	V	0.2	1.7	3.22	164
180970078	2013	9	28	12	V	0.1	1.2	3.9	181
180970078	2013	9	28	13	V	2.6	4.6	5.02	201
180970078	2013	9	28	14	V	2.2	11.4	5.36	201
180970078	2013	9	28	15	V	0.5	5.4	4.94	196
180970078	2013	9	28	16	V	0.02	1	5.41	186
180970078	2013	9	28	17	V	0.05	0.9	5.33	184
180970078	2013	9	28	18	V	0.05	0.7	4.85	177
180970078	2013	9	28	19	V	0.05	0.8	4.56	173
180970078	2013	9	28	20	V	0.05	0.8	4.14	180
180970078	2013	9	28	21	V	0.04	0.8	4.71	182
180970078	2013	9	28	22	V	0.04	0.9	4.39	182
180970078	2013	9	28	23	V	0.04	1.4	4.56	183
180970078	2013	9	28	24	V	0.03	1.2	3.73	186
180970078	2013	9	29	1	V	0.04	1	3.07	189
180970078	2013	9	29	2	V	0.04	1.1	3.32	182
180970078	2013	9	29	3	V	0.04	1.5	3.08	183
180970078	2013	9	29	4	V	0.04	3	3.2	185
180970078	2013	9	29	5	V	0.07	5.1	3.66	195
180970078	2013	9	29	6	V	22.4	12.5	3.66	211
180970078	2013	9	29	7	V	14.4	5	4.03	220
180970078	2013	9	29	8	V	24.0	1.1	4.31	212
180970078	2013	9	29	9	V	8.2	1.5	3.83	202
180970078	2013	9	29	10	V	9.7	1.3	3.8	202
180970078	2013	9	29	11	V	29.1	1.4	4.31	211
180970078	2013	9	29	12	V	0.4	1.3	5.24	232
180970078	2013	9	29	13	V	7.9	0.9	4.12	224
180970078	2013	9	29	14	V	0.3	0.7	3.9	235
180970078	2013	9	29	15	V	0.2	0.6	2.22	272
180970078	2013	9	29	16	V	0.1	0.6	3.17	306
180970078	2013	9	29	17	V	0.07	0.6	2.13	337
180970078	2013	9	29	18	V	0.5	0.5	1.14	25
180970078	2013	9	29	19	V	0.3	0.5	1.35	86
180970078	2013	9	29	20	V	0.7	0.5	1.06	95
180970078	2013	9	29	21	V	0.06	0.4	2.52	131
180970078	2013	9	29	22	V	0.06	0.4	2.45	148
180970078	2013	9	29	23	V	0.06	0.4	2.16	174
180970078	2013	9	29	24	V	0.08	0.4	2.03	194
180970078	2013	9	30	1	V	0.2	0.4	1.59	243
180970078	2013	9	30	2	V	0.5	0.3	1.42	246

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	9	30	3	V	38.8	0.3	1.55	211
180970078	2013	9	30	4	V	10.4	0.3	1.65	205
180970078	2013	9	30	5	V	1.1	0.3	2.25	202
180970078	2013	9	30	6	V	0.4	0.4	1.47	245
180970078	2013	9	30	7	V	3.5	0.4	0.72	294
180970078	2013	9	30	8	V	3.1	0.5	1.13	287
180970078	2013	9	30	9	V	3.2	0.7	1.23	256
180970078	2013	9	30	10	V	8.1	2.2	3.22	198
180970078	2013	9	30	11	V	11.0	17	3.49	203
180970078	2013	9	30	12	V	8.7	14.5	4.19	205
180970078	2013	9	30	13	V	9.0	18.2	5.38	208
180970078	2013	9	30	14	V	12.1	25	4.63	213
180970078	2013	9	30	15	V	0.6	29.1	4.83	197
180970078	2013	9	30	16	V	0.02	21.5	5.77	193
180970078	2013	9	30	17	V	0.1	20.6	5.8	196
180970078	2013	9	30	18	V	10.4	18.1	5.17	205
180970078	2013	9	30	19	V	0.05	12.8	4	192
180970078	2013	9	30	20	V	0.04	3.7	3.46	172
180970078	2013	9	30	21	V	0.05	2.1	3.01	186
180970078	2013	9	30	22	V	0.04	1.3	3.41	178
180970078	2013	9	30	23	V	0.04	0.9	3	167
180970078	2013	9	30	24	V	0.03	0.7	3.56	180
180970078	2013	10	1	1	V	0.03	0.5	4.31	180
180970078	2013	10	1	2	V	0.04	0.4	4.07	177
180970078	2013	10	1	3	V	0.04	0.4	2.81	191
180970078	2013	10	1	4	V	0.09	0.3	3.08	199
180970078	2013	10	1	5	V	0.04	0.3	2.83	187
180970078	2013	10	1	6	V	0.1	0.3	2.49	195
180970078	2013	10	1	7	V	6.6	0.4	3.56	201
180970078	2013	10	1	8	V	38.3	0.5	3.22	216
180970078	2013	10	1	9	V	10.3	0.6	3.73	224
180970078	2013	10	1	10	V	25.7	1.1	4.09	218
180970078	2013	10	1	11	V	0.9	1.5	4.56	231
180970078	2013	10	1	12	V	25.1	1.7	4.56	216
180970078	2013	10	1	13	V	4.1	2.9	4.8	225
180970078	2013	10	1	14	V	13.1	2.6	5.58	219
180970078	2013	10	1	15	V	10.4	21.3	4.56	205
180970078	2013	10	1	16	V	22.4	21.3	4.14	212
180970078	2013	10	1	17	V	40.0	8.1	3.73	210
180970078	2013	10	1	18	V	8.4	12.2	3.95	205
180970078	2013	10	1	19	V	0.05	11.3	3.61	181
180970078	2013	10	1	20	V	0.05	4.1	4.75	174
180970078	2013	10	1	21	V	0.04	1.9	3.59	185
180970078	2013	10	1	22	V	0.05	1.2	3.01	188
180970078	2013	10	1	23	V	0.05	1	2.83	196
180970078	2013	10	1	24	V	0.2	0.8	3.58	200

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	2	1	V	46.9	0.7	2.79	213
180970078	2013	10	2	2	V	4.1	0.8	2.28	226
180970078	2013	10	2	3	V	0.3	0.7	1.37	261
180970078	2013	10	2	4	V	5.1	0.7	2.88	225
180970078	2013	10	2	5	V	0.1	0.7	2.21	242
180970078	2013	10	2	6	V	0.4	0.6	1.2	265
180970078	2013	10	2	7	V	37.0	0.7	2.08	218
180970078	2013	10	2	8	V	43.9	0.8	2.37	210
180970078	2013	10	2	9	V	0.4	1.6	3.17	250
180970078	2013	10	2	10	V	0.8	1.3	2.18	270
180970078	2013	10	2	11	V	1.2	1.2	1.38	319
180970078	2013	10	2	12	V	3.0	1.1	0.82	121
180970078	2013	10	2	13	V	5.4	1.1	0.79	181
180970078	2013	10	2	14	V	0.7	2.2	1.52	325
180970078	2013	10	2	15	V	1.0	4.1	1.5	109
180970078	2013	10	2	16	V	0.09	5	3.35	161
180970078	2013	10	2	17	V	0.05	2.6	3.66	154
180970078	2013	10	2	18	V	0.05	1.2	3.29	158
180970078	2013	10	2	19	V	0.06	0.8	3.01	174
180970078	2013	10	2	20	V	0.06	0.7	3.3	169
180970078	2013	10	2	21	V	0.06	0.6	3.35	166
180970078	2013	10	2	22	V	0.06	0.5	3.52	160
180970078	2013	10	2	23	V	0.05	0.4	3.01	177
180970078	2013	10	2	24	V	0.05	0.4	3.8	150
180970078	2013	10	3	1	V	0.04	0.3	2.89	184
180970078	2013	10	3	2	V	0.08	0.3	2.42	198
180970078	2013	10	3	3	V	21.5	0.4	2.47	209
180970078	2013	10	3	4	V	19.7	1.1	3.56	209
180970078	2013	10	3	5	V	13.1	1.6	3.32	207
180970078	2013	10	3	6	V	0.07	1.7	3.17	184
180970078	2013	10	3	7	V	2.8	1.2	2.98	194
180970078	2013	10	3	8	V	14.9	1.6	2.73	201
180970078	2013	10	3	9	V	9.7	5.7	3.85	202
180970078	2013	10	3	10	V	5.9	17.8	4.19	201
180970078	2013	10	3	11	V	9.0	33.6	5.51	205
180970078	2013	10	3	12	V	8.7	30.3	6.31	207
180970078	2013	10	3	13	V	7.1	24.6	6.18	206
180970078	2013	10	3	14	V	10.1	20.6	6.18	208
180970078	2013	10	3	15	V	3.6	15.4	6.53	204
180970078	2013	10	3	16	V	1.5	12.4	6.64	203
180970078	2013	10	3	17	V	10.8	8.9	6.21	205
180970078	2013	10	3	18	V	0.04	5.6	5.5	184
180970078	2013	10	3	19	V	0.05	2.5	4.41	169
180970078	2013	10	3	20	V	0.05	1.8	4.32	159
180970078	2013	10	3	21	V	0.05	1.5	4.1	167
180970078	2013	10	3	22	V	0.05	1.4	4.76	167

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	3	23	V	0.05	1.1	4.58	172
180970078	2013	10	3	24	V	0.06	0.9	4.68	172
180970078	2013	10	4	1	V	6.0	0.8	3.13	204
180970078	2013	10	4	2	V	24.8	0.7	2.96	209
180970078	2013	10	4	3	V	0.06	2.4	3.59	194
180970078	2013	10	4	4	V	0.04	2.3	3.75	180
180970078	2013	10	4	5	V	0.04	1.3	3	176
180970078	2013	10	4	6	V	0.1	0.9	2.55	158
180970078	2013	10	4	7	V	0.4	0.8	3.05	167
180970078	2013	10	4	8	V	0.5	0.8	2.96	171
180970078	2013	10	4	9	V	4.9	4.3	3.15	195
180970078	2013	10	4	10	V	12.1	10.8	5.96	208
180970078	2013	10	4	11	V	2.8	14.8	4.24	198
180970078	2013	10	4	12	V	0.6	21.3	2.32	178
180970078	2013	10	4	13	V	0.1	28.3	3.49	175
180970078	2013	10	4	14	V	0.2	7.3	3.88	187
180970078	2013	10	4	15	V	6.2	13.8	5.27	205
180970078	2013	10	4	16	V	2.6	22.3	5.51	204
180970078	2013	10	4	17	V	0.7	11.7	4.88	199
180970078	2013	10	4	18	V	0.05	4.3	3.64	175
180970078	2013	10	4	19	V	0.05	2.5	3.25	167
180970078	2013	10	4	20	V	0.05	1.8	3.3	169
180970078	2013	10	4	21	V	0.05	1.5	3.88	172
180970078	2013	10	4	22	V	0.06	1.2	4.17	173
180970078	2013	10	4	23	V	0.05	-999	4.09	173
180970078	2013	10	4	24	V	0.05	-999	3.85	173
180970078	2013	10	5	1	V	0.05	1	3.1	191
180970078	2013	10	5	2	V	3.3	0.9	5.28	201
180970078	2013	10	5	3	V	40.7	3.5	3.46	212
180970078	2013	10	5	4	V	0.2	3.7	2.91	244
180970078	2013	10	5	5	V	0.2	2.7	1.4	121
180970078	2013	10	5	6	V	0.08	1.4	2.78	81
180970078	2013	10	5	7	V	0.4	1	2.86	170
180970078	2013	10	5	8	V	0.5	0.8	2.47	165
180970078	2013	10	5	9	V	0.4	0.7	3.13	157
180970078	2013	10	5	10	V	0.3	1	3.41	166
180970078	2013	10	5	11	V	0.05	1.3	5.65	187
180970078	2013	10	5	12	V	23.8	1.2	3.95	207
180970078	2013	10	5	13	V	0.2	2.2	3.54	173
180970078	2013	10	5	14	V	0.03	3.2	5.27	174
180970078	2013	10	5	15	V	0.02	2.4	5.7	172
180970078	2013	10	5	16	V	7.5	1.8	5.21	202
180970078	2013	10	5	17	V	0.06	1.4	3.78	170
180970078	2013	10	5	18	V	0.06	1.1	3	157
180970078	2013	10	5	19	V	0.06	0.9	5.12	176
180970078	2013	10	5	20	V	3.5	0.7	6.62	201

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	5	21	V	0.06	0.6	4.8	171
180970078	2013	10	5	22	V	0.05	0.6	5.51	166
180970078	2013	10	5	23	V	0.05	0.5	6.48	169
180970078	2013	10	5	24	V	0.06	0.4	4.31	153
180970078	2013	10	6	1	V	0.06	0.4	3	162
180970078	2013	10	6	2	V	0.06	0.4	3.18	165
180970078	2013	10	6	3	V	0.05	0.3	4.48	143
180970078	2013	10	6	4	V	0.05	0.3	5.16	155
180970078	2013	10	6	5	V	0.05	0.3	5.41	150
180970078	2013	10	6	6	V	0.06	0.3	6.02	145
180970078	2013	10	6	7	V	0.03	0.3	5.97	142
180970078	2013	10	6	8	V	2.0	0.3	6.33	202
180970078	2013	10	6	9	V	0.1	0.3	4.48	275
180970078	2013	10	6	10	V	0.1	0.3	4.58	261
180970078	2013	10	6	11	V	0.2	0.3	4.32	249
180970078	2013	10	6	12	V	0.05	0.3	5.02	259
180970078	2013	10	6	13	V	0.1	0.3	4.44	242
180970078	2013	10	6	14	V	0.07	0.3	4.71	240
180970078	2013	10	6	15	V	1.7	0.4	5.19	228
180970078	2013	10	6	16	V	20.0	0.9	4.83	207
180970078	2013	10	6	17	V	0.2	7.2	4.99	195
180970078	2013	10	6	18	V	1.1	4	4.83	200
180970078	2013	10	6	19	V	25.0	1.5	5.26	217
180970078	2013	10	6	20	V	0.04	1.5	8.83	286
180970078	2013	10	6	21	V	0.04	1.3	6.43	279
180970078	2013	10	6	22	V	0.04	0.7	3.59	262
180970078	2013	10	6	23	V	0.6	0.5	2.83	230
180970078	2013	10	6	24	V	27.4	0.4	3.25	215
180970078	2013	10	7	1	V	8.6	0.5	4.59	223
180970078	2013	10	7	2	V	5.4	0.4	5.17	225
180970078	2013	10	7	3	V	22.0	0.5	3.52	217
180970078	2013	10	7	4	V	12.8	2.7	3.86	207
180970078	2013	10	7	5	V	0.1	3.9	5.96	241
180970078	2013	10	7	6	V	0.04	1.6	6.74	281
180970078	2013	10	7	7	V	0.03	0.8	5.9	294
180970078	2013	10	7	8	V	0.06	0.7	5.5	284
180970078	2013	10	7	9	V	0.03	1	6.3	276
180970078	2013	10	7	10	V	0.03	1.1	6.4	272
180970078	2013	10	7	11	V	0.05	1.1	5.68	264
180970078	2013	10	7	12	V	0.04	1	5.94	269
180970078	2013	10	7	13	V	0.03	1	6.47	279
180970078	2013	10	7	14	V	0.02	1.1	7.2	268
180970078	2013	10	7	15	V	0.02	0.8	6.12	276
180970078	2013	10	7	16	V	0.02	0.8	4.66	264
180970078	2013	10	7	17	V	0.04	0.7	3.58	286
180970078	2013	10	7	18	V	0.04	0.6	3.64	274

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	7	19	V	0.09	0.6	2.54	236
180970078	2013	10	7	20	V	0.05	0.7	2.73	194
180970078	2013	10	7	21	V	0.05	0.8	2.83	195
180970078	2013	10	7	22	V	0.07	0.8	2.39	187
180970078	2013	10	7	23	V	0.07	0.7	2.52	198
180970078	2013	10	7	24	V	0.2	0.6	2.79	201
180970078	2013	10	8	1	V	0.2	0.6	2.27	200
180970078	2013	10	8	2	V	0.08	0.6	1.99	186
180970078	2013	10	8	3	V	0.3	0.6	1.25	177
180970078	2013	10	8	4	V	7.2	0.6	1.69	204
180970078	2013	10	8	5	V	0.2	0.6	1.55	166
180970078	2013	10	8	6	V	0.1	0.7	1.86	157
180970078	2013	10	8	7	V	1.8	0.9	1.21	134
180970078	2013	10	8	8	V	0.9	1	1.94	115
180970078	2013	10	8	9	V	1.1	1.3	1.94	134
180970078	2013	10	8	10	V	0.6	2	2.38	144
180970078	2013	10	8	11	V	0.6	1.9	2.22	128
180970078	2013	10	8	12	V	0.2	1.3	3.3	125
180970078	2013	10	8	13	V	0.1	1.2	3.39	118
180970078	2013	10	8	14	V	0.1	1.1	3.39	120
180970078	2013	10	8	15	V	0.05	1	3.8	116
180970078	2013	10	8	16	V	0.07	0.9	4.25	110
180970078	2013	10	8	17	V	0.04	0.8	4.31	118
180970078	2013	10	8	18	V	0.04	0.8	3.63	116
180970078	2013	10	8	19	V	0.07	0.8	2.52	108
180970078	2013	10	8	20	V	0.05	0.8	2.97	95
180970078	2013	10	8	21	V	0.04	1	3.86	125
180970078	2013	10	8	22	V	0.04	0.8	4.36	124
180970078	2013	10	8	23	V	0.03	0.7	3.86	117
180970078	2013	10	8	24	V	0.04	0.7	2.86	101
180970078	2013	10	9	1	V	0.04	0.6	2.86	106
180970078	2013	10	9	2	V	0.05	0.7	2.36	113
180970078	2013	10	9	3	V	0.05	0.7	2.36	84
180970078	2013	10	9	4	V	0.1	0.7	1.76	92
180970078	2013	10	9	5	V	0.05	0.7	2.36	87
180970078	2013	10	9	6	C	-999	0.7	0	0
180970078	2013	10	9	7	V	0.8	0.7	1.76	43
180970078	2013	10	9	8	V	0.6	0.7	2.3	41
180970078	2013	10	9	9	V	1.0	2	2.11	70
180970078	2013	10	9	10	V	0.6	4.5	2.06	98
180970078	2013	10	9	11	V	1.0	4.5	1.65	88
180970078	2013	10	9	12	V	0.8	3.5	1.82	81
180970078	2013	10	9	13	V	0.2	2.5	2.86	85
180970078	2013	10	9	14	V	0.2	2.2	3.08	109
180970078	2013	10	9	15	V	0.1	2	2.79	120
180970078	2013	10	9	16	V	0.08	2	2.16	125

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	9	17	V	0.2	1.8	1.62	165
180970078	2013	10	9	18	V	0.4	1.6	1.26	161
180970078	2013	10	9	19	V	0.4	1.2	1.3	190
180970078	2013	10	9	20	V	56.9	1.2	1.55	212
180970078	2013	10	9	21	V	0.6	1.2	1.09	83
180970078	2013	10	9	22	V	0.4	1.5	1.31	140
180970078	2013	10	9	23	V	0.07	1.7	2.25	137
180970078	2013	10	9	24	V	0.09	1.7	2.06	100
180970078	2013	10	10	1	V	0.3	1.7	1.23	73
180970078	2013	10	10	2	V	1.8	1.8	0.55	32
180970078	2013	10	10	3	V	0.3	2	1.25	45
180970078	2013	10	10	4	V	0.1	2.2	1.7	49
180970078	2013	10	10	5	V	0.09	2.4	1.96	57
180970078	2013	10	10	6	V	0.07	2.5	2.06	65
180970078	2013	10	10	7	V	0.8	2.4	1.76	73
180970078	2013	10	10	8	V	2.4	2.5	1.18	90
180970078	2013	10	10	9	V	3.7	2.7	1.11	110
180970078	2013	10	10	10	V	3.2	24.3	1.06	124
180970078	2013	10	10	11	V	1.8	75.9	1.14	122
180970078	2013	10	10	12	V	1.9	48.3	1.01	157
180970078	2013	10	10	13	V	1.2	18.7	1.31	71
180970078	2013	10	10	14	V	0.6	12.3	1.55	351
180970078	2013	10	10	15	V	0.5	10.6	1.48	148
180970078	2013	10	10	16	V	0.2	8.1	1.76	106
180970078	2013	10	10	17	V	0.07	6.6	2.38	89
180970078	2013	10	10	18	V	0.06	5.1	2.64	117
180970078	2013	10	10	19	V	0.07	2.9	2.59	128
180970078	2013	10	10	20	V	0.3	2.3	1.42	165
180970078	2013	10	10	21	C	-999	2	0	0
180970078	2013	10	10	22	V	2.6	1.9	0.52	257
180970078	2013	10	10	23	V	0.2	1.9	1.48	103
180970078	2013	10	10	24	V	1.2	2	0.82	3
180970078	2013	10	11	1	V	0.3	2	1.4	17
180970078	2013	10	11	2	V	0.2	2.1	1.4	48
180970078	2013	10	11	3	V	0.2	2.1	1.38	25
180970078	2013	10	11	4	V	0.08	2.1	2.1	44
180970078	2013	10	11	5	V	0.07	2.1	2.1	39
180970078	2013	10	11	6	V	0.4	2.2	1.28	12
180970078	2013	10	11	7	V	4.7	2.3	0.77	355
180970078	2013	10	11	8	V	6.4	2.3	0.52	359
180970078	2013	10	11	9	C	-999	2.6	0	0
180970078	2013	10	11	10	V	4.3	-999	0.8	87
180970078	2013	10	11	11	V	2.4	-999	1.13	111
180970078	2013	10	11	12	V	1.9	-999	1.54	179
180970078	2013	10	11	13	V	0.8	-999	1.54	153
180970078	2013	10	11	14	V	2.7	1.1	1.48	239

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	11	15	V	5.0	1.6	1.62	227
180970078	2013	10	11	16	V	0.09	2.2	2.5	166
180970078	2013	10	11	17	V	0.09	0.9	2.18	161
180970078	2013	10	11	18	V	0.07	0.9	2.47	179
180970078	2013	10	11	19	V	0.6	0.7	2.59	202
180970078	2013	10	11	20	V	0.09	0.6	2.15	161
180970078	2013	10	11	21	V	0.1	0.7	1.96	169
180970078	2013	10	11	22	V	2.9	0.6	1.03	197
180970078	2013	10	11	23	V	37.1	-999	0.99	209
180970078	2013	10	11	24	V	0.6	-999	1.26	246
180970078	2013	10	12	1	V	1.4	-999	0.7	87
180970078	2013	10	12	2	V	0.4	-999	1.16	95
180970078	2013	10	12	3	V	1.1	-999	0.77	65
180970078	2013	10	12	4	V	0.7	0.5	0.92	112
180970078	2013	10	12	5	V	0.8	0.5	0.91	81
180970078	2013	10	12	6	V	0.1	0.5	1.67	86
180970078	2013	10	12	7	V	0.5	0.4	2.06	103
180970078	2013	10	12	8	V	2.0	0.3	1.25	112
180970078	2013	10	12	9	V	0.9	0.7	2.15	138
180970078	2013	10	12	10	V	0.7	2.2	2.64	126
180970078	2013	10	12	11	V	0.5	3.8	2.44	159
180970078	2013	10	12	12	V	11.3	6.1	2.74	202
180970078	2013	10	12	13	V	15.6	61.2	4.12	210
180970078	2013	10	12	14	V	15.4	18.6	3.52	212
180970078	2013	10	12	15	V	10.2	20.7	4.2	207
180970078	2013	10	12	16	V	34.5	9.6	3.78	212
180970078	2013	10	12	17	V	35.4	5	3.12	216
180970078	2013	10	12	18	V	45.2	5.2	2.03	211
180970078	2013	10	12	19	V	0.09	3.6	2.15	180
180970078	2013	10	12	20	V	0.06	1.7	2.57	165
180970078	2013	10	12	21	V	1.2	1.2	1.35	198
180970078	2013	10	12	22	V	0.2	1.2	1.64	290
180970078	2013	10	12	23	V	0.1	1	1.74	276
180970078	2013	10	12	24	V	0.05	0.7	2.13	284
180970078	2013	10	13	1	V	0.03	0.5	4.66	329
180970078	2013	10	13	2	V	0.04	0.6	5.03	345
180970078	2013	10	13	3	V	0.03	0.8	4.86	342
180970078	2013	10	13	4	V	0.03	0.8	5.36	360
180970078	2013	10	13	5	V	0.03	0.6	3.36	358
180970078	2013	10	13	6	V	0.04	0.4	3.86	357
180970078	2013	10	13	7	V	0.1	0.3	3.86	1
180970078	2013	10	13	8	V	0.1	0.3	4.36	4
180970078	2013	10	13	9	V	0.04	0.6	5.96	356
180970078	2013	10	13	10	V	0.05	0.7	5.36	18
180970078	2013	10	13	11	V	0.03	0.6	6.46	356
180970078	2013	10	13	12	V	0.08	0.5	4.12	7

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	13	13	V	0.08	0.3	4.05	8
180970078	2013	10	13	14	V	0.06	0.3	3.98	353
180970078	2013	10	13	15	V	0.04	0.3	3.97	353
180970078	2013	10	13	16	V	0.06	0.3	4.12	350
180970078	2013	10	13	17	V	0.04	0.3	3.9	354
180970078	2013	10	13	18	V	0.04	0.3	4	350
180970078	2013	10	13	19	V	0.04	0.4	3.35	346
180970078	2013	10	13	20	V	0.04	0.4	3.68	357
180970078	2013	10	13	21	V	0.04	0.7	5.44	6
180970078	2013	10	13	22	V	0.04	0.4	5.41	22
180970078	2013	10	13	23	V	0.03	0.3	4.66	17
180970078	2013	10	13	24	V	0.03	0.2	4.14	17
180970078	2013	10	14	1	V	0.03	0.2	4.34	27
180970078	2013	10	14	2	V	0.03	0.2	3.98	28
180970078	2013	10	14	3	V	0.03	0.1	3.73	23
180970078	2013	10	14	4	V	0.03	0.1	4.05	30
180970078	2013	10	14	5	V	0.04	0.1	3.37	28
180970078	2013	10	14	6	V	0.05	0.1	3.59	29
180970078	2013	10	14	7	V	0.2	0.1	3.25	33
180970078	2013	10	14	8	V	0.3	0.2	3.25	32
180970078	2013	10	14	9	V	0.3	0.4	3.81	44
180970078	2013	10	14	10	V	0.2	0.7	3.27	57
180970078	2013	10	14	11	V	0.2	0.8	3.34	83
180970078	2013	10	14	12	V	0.2	0.9	3.22	95
180970078	2013	10	14	13	V	0.6	0.8	1.91	79
180970078	2013	10	14	14	V	0.3	0.7	2.2	101
180970078	2013	10	14	15	V	0.2	0.6	2.27	74
180970078	2013	10	14	16	V	0.09	0.6	2.4	106
180970078	2013	10	14	17	V	0.07	0.7	2.52	109
180970078	2013	10	14	18	V	0.08	0.6	2.37	90
180970078	2013	10	14	19	V	0.08	0.5	2.28	56
180970078	2013	10	14	20	V	0.06	0.3	2.66	37
180970078	2013	10	14	21	V	0.05	0.3	2.71	45
180970078	2013	10	14	22	V	0.05	0.3	2.76	45
180970078	2013	10	14	23	V	0.04	0.3	3.12	72
180970078	2013	10	14	24	V	0.04	0.3	2.56	87
180970078	2013	10	15	1	V	0.04	0.3	2.5	88
180970078	2013	10	15	2	V	0.04	0.2	3.17	100
180970078	2013	10	15	3	V	0.04	0.3	3.07	102
180970078	2013	10	15	4	V	0.05	0.4	2.32	100
180970078	2013	10	15	5	V	0.05	0.4	2.35	119
180970078	2013	10	15	6	V	0.05	0.4	3.51	124
180970078	2013	10	15	7	V	0.1	0.4	3.64	125
180970078	2013	10	15	8	V	0.1	0.5	3.86	130
180970078	2013	10	15	9	V	0.2	0.6	3.69	137
180970078	2013	10	15	10	V	0.2	0.7	3.54	149

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	15	11	V	0.2	0.8	3.83	160
180970078	2013	10	15	12	V	0.4	0.9	3.1	145
180970078	2013	10	15	13	V	0.1	0.8	4.31	175
180970078	2013	10	15	14	V	0.08	0.7	4.66	186
180970078	2013	10	15	15	V	0.02	0.7	7.06	180
180970078	2013	10	15	16	V	0.06	0.6	5.82	186
180970078	2013	10	15	17	V	0.05	0.5	5.7	182
180970078	2013	10	15	18	V	0.05	0.5	5.77	178
180970078	2013	10	15	19	V	0.05	0.5	5.82	189
180970078	2013	10	15	20	V	0.9	0.4	5.78	198
180970078	2013	10	15	21	V	6.8	0.4	6.7	203
180970078	2013	10	15	22	V	8.5	2.2	5.97	204
180970078	2013	10	15	23	V	24.4	-999	5.27	215
180970078	2013	10	15	24	V	22.2	-999	4.65	216
180970078	2013	10	16	1	V	12.8	-999	3.95	221
180970078	2013	10	16	2	V	17.4	2.4	3.34	219
180970078	2013	10	16	3	V	0.05	1.5	4.34	262
180970078	2013	10	16	4	V	0.04	1.6	4.44	306
180970078	2013	10	16	5	V	0.04	1.3	3.78	301
180970078	2013	10	16	6	V	0.05	1	3.85	294
180970078	2013	10	16	7	V	0.08	0.8	4.77	292
180970078	2013	10	16	8	V	0.1	0.6	3.58	288
180970078	2013	10	16	9	V	0.09	0.7	4.12	275
180970078	2013	10	16	10	V	0.05	0.8	5.09	274
180970078	2013	10	16	11	V	0.06	1	5.04	264
180970078	2013	10	16	12	V	0.1	1.3	4.12	250
180970078	2013	10	16	13	V	0.07	1.2	5.56	239
180970078	2013	10	16	14	V	0.06	0.9	5.43	252
180970078	2013	10	16	15	V	0.04	0.9	5.16	259
180970078	2013	10	16	16	V	0.06	0.7	4.77	278
180970078	2013	10	16	17	V	0.04	0.7	5.14	272
180970078	2013	10	16	18	V	0.04	0.5	4.87	302
180970078	2013	10	16	19	V	0.04	0.3	4.92	314
180970078	2013	10	16	20	V	0.04	0.2	3.9	306
180970078	2013	10	16	21	V	0.08	0.2	2.37	290
180970078	2013	10	16	22	V	0.1	0.2	2.03	280
180970078	2013	10	16	23	V	0.4	0.2	1.35	281
180970078	2013	10	16	24	V	0.1	0.1	1.81	257
180970078	2013	10	17	1	V	0.6	0.1	1.98	248
180970078	2013	10	17	2	V	0.4	0.2	1.98	233
180970078	2013	10	17	3	V	7.1	0.2	1.5	226
180970078	2013	10	17	4	V	0.1	0.2	1.91	239
180970078	2013	10	17	5	V	0.1	0.2	1.81	265
180970078	2013	10	17	6	V	0.07	0.3	2.23	262
180970078	2013	10	17	7	V	0.5	0.3	2.21	246
180970078	2013	10	17	8	V	1.5	0.3	1.84	186

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	17	9	V	28.8	0.6	3.08	220
180970078	2013	10	17	10	V	0.4	0.4	3.08	238
180970078	2013	10	17	11	V	6.7	0.5	3.6	200
180970078	2013	10	17	12	V	1.6	2.7	4.85	228
180970078	2013	10	17	13	V	0.03	0.7	7.11	255
180970078	2013	10	17	14	V	0.03	0.7	7.11	253
180970078	2013	10	17	15	V	0.02	0.5	6.96	261
180970078	2013	10	17	16	V	0.05	0.5	6.6	266
180970078	2013	10	17	17	V	0.05	0.6	5.02	268
180970078	2013	10	17	18	V	0.04	0.4	3.07	269
180970078	2013	10	17	19	V	0.06	0.3	3	238
180970078	2013	10	17	20	V	25.8	0.3	2.52	208
180970078	2013	10	17	21	V	47.2	0.5	3.54	211
180970078	2013	10	17	22	V	15.2	0.6	3.34	207
180970078	2013	10	17	23	V	40.3	0.9	3.52	214
180970078	2013	10	17	24	V	25.2	1.4	2.9	217
180970078	2013	10	18	1	V	30.8	1.1	2.71	216
180970078	2013	10	18	2	V	35.4	1	2.69	210
180970078	2013	10	18	3	V	45.1	0.6	3.2	212
180970078	2013	10	18	4	V	20.6	0.6	3.73	218
180970078	2013	10	18	5	V	29.9	0.6	3.47	209
180970078	2013	10	18	6	V	43.0	0.6	3.42	211
180970078	2013	10	18	7	V	41.2	0.8	3.44	211
180970078	2013	10	18	8	V	34.6	0.9	3.52	209
180970078	2013	10	18	9	V	21.7	8.4	4.58	209
180970078	2013	10	18	10	V	9.5	39.9	5.12	205
180970078	2013	10	18	11	V	18.9	43.7	5.51	210
180970078	2013	10	18	12	V	7.3	20.2	6.65	220
180970078	2013	10	18	13	V	0.5	3.8	7.83	230
180970078	2013	10	18	14	V	0.09	1.9	8.4	234
180970078	2013	10	18	15	V	0.05	1.5	7.31	248
180970078	2013	10	18	16	V	0.2	1.5	6.91	249
180970078	2013	10	18	17	V	0.2	1.3	6.38	247
180970078	2013	10	18	18	V	0.04	1.1	5.19	266
180970078	2013	10	18	19	V	0.04	1.4	5.43	305
180970078	2013	10	18	20	V	0.04	1.1	3.97	313
180970078	2013	10	18	21	V	0.05	0.8	3.98	331
180970078	2013	10	18	22	V	0.05	0.5	3.61	346
180970078	2013	10	18	23	V	0.1	-999	1.89	26
180970078	2013	10	18	24	V	0.7	-999	0.99	77
180970078	2013	10	19	1	V	1.4	0.3	0.82	307
180970078	2013	10	19	2	V	0.6	0.4	1.06	60
180970078	2013	10	19	3	V	1.4	0.4	0.72	153
180970078	2013	10	19	4	V	0.06	0.4	2.01	172
180970078	2013	10	19	5	V	0.2	0.2	1.55	283
180970078	2013	10	19	6	V	44.8	0.2	1.21	214

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	19	7	V	0.2	0.2	2.11	277
180970078	2013	10	19	8	V	0.06	0.2	4.9	298
180970078	2013	10	19	9	V	0.2	0.1	3.93	310
180970078	2013	10	19	10	V	0.08	0.2	4.83	287
180970078	2013	10	19	11	V	0.04	0.2	5.72	284
180970078	2013	10	19	12	V	0.1	0.4	3.81	275
180970078	2013	10	19	13	V	0.04	0.6	5.24	276
180970078	2013	10	19	14	V	0.02	0.6	6.99	269
180970078	2013	10	19	15	V	0.01	0.5	7.4	261
180970078	2013	10	19	16	V	0.1	0.4	6.47	256
180970078	2013	10	19	17	V	0.1	0.4	5.36	256
180970078	2013	10	19	18	V	0.1	0.5	5.07	242
180970078	2013	10	19	19	V	38.9	0.4	3.85	210
180970078	2013	10	19	20	V	2.6	2.6	4.14	203
180970078	2013	10	19	21	V	1.7	5.6	4.39	202
180970078	2013	10	19	22	V	43.6	5.8	3.97	213
180970078	2013	10	19	23	V	34.1	5.9	3.85	215
180970078	2013	10	19	24	V	35.2	6.3	3.49	212
180970078	2013	10	20	1	V	14.2	7.7	3.69	208
180970078	2013	10	20	2	V	6.3	8.1	3.56	206
180970078	2013	10	20	3	V	24.5	6.8	4.2	210
180970078	2013	10	20	4	V	19.3	6.3	4.27	209
180970078	2013	10	20	5	V	18.2	6.9	3.98	208
180970078	2013	10	20	6	V	13.1	6.4	4	207
180970078	2013	10	20	7	M	-999	6.1	4.12	207
180970078	2013	10	20	8	M	-999	5.4	3.1	211
180970078	2013	10	20	9	M	-999	16.9	3.95	211
180970078	2013	10	20	10	M	-999	35.2	4.76	206
180970078	2013	10	20	11	M	-999	29.7	5.16	214
180970078	2013	10	20	12	M	-999	38.1	5.92	203
180970078	2013	10	20	13	M	-999	6.8	7.47	195
180970078	2013	10	20	14	M	-999	4.4	7.96	202
180970078	2013	10	20	15	M	-999	6.8	9.39	204
180970078	2013	10	20	16	V	11.1	7.2	8.49	206
180970078	2013	10	20	17	V	3.9	2	8.52	202
180970078	2013	10	20	18	V	0.04	1.7	6.97	191
180970078	2013	10	20	19	V	0.04	2.2	5.63	178
180970078	2013	10	20	20	V	0.04	3.9	5.38	180
180970078	2013	10	20	21	V	0.04	3.1	5.43	183
180970078	2013	10	20	22	V	0.04	2.5	4.7	190
180970078	2013	10	20	23	V	0.03	2.5	5.29	191
180970078	2013	10	20	24	V	0.05	2	4.87	196
180970078	2013	10	21	1	V	0.03	1.6	3.86	191
180970078	2013	10	21	2	V	0.03	1.4	4.27	187
180970078	2013	10	21	3	V	0.03	1.2	3.78	193
180970078	2013	10	21	4	V	0.03	1.3	4.34	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	21	5	V	0.03	1.1	4.48	192
180970078	2013	10	21	6	V	0.07	1	4.53	196
180970078	2013	10	21	7	V	20.6	0.9	3.78	206
180970078	2013	10	21	8	V	29.1	1.2	3.44	208
180970078	2013	10	21	9	V	20.7	15.7	4.73	211
180970078	2013	10	21	10	V	0.3	11.7	6.24	234
180970078	2013	10	21	11	V	0.06	3.9	6.16	241
180970078	2013	10	21	12	V	0.2	3.1	4.94	237
180970078	2013	10	21	13	V	0.05	2.5	6.55	238
180970078	2013	10	21	14	V	0.04	2.1	7.3	235
180970078	2013	10	21	15	V	0.02	1.8	5	273
180970078	2013	10	21	16	V	0.05	1.6	4.97	276
180970078	2013	10	21	17	V	0.05	1	5.46	284
180970078	2013	10	21	18	V	0.05	0.7	5.46	275
180970078	2013	10	21	19	V	0.05	0.6	5.16	279
180970078	2013	10	21	20	V	0.06	0.5	4.71	284
180970078	2013	10	21	21	V	0.04	0.6	6.92	296
180970078	2013	10	21	22	V	0.04	0.6	5.84	302
180970078	2013	10	21	23	V	0.03	0.5	6.16	319
180970078	2013	10	21	24	V	0.04	0.3	3.97	311
180970078	2013	10	22	1	V	0.07	0.3	2.28	304
180970078	2013	10	22	2	V	0.6	0.2	1.98	249
180970078	2013	10	22	3	V	14.6	0.2	2.86	221
180970078	2013	10	22	4	V	0.1	0.1	2.11	240
180970078	2013	10	22	5	V	0.5	0.2	1.4	253
180970078	2013	10	22	6	V	0.4	0.4	2.47	251
180970078	2013	10	22	7	V	0.5	0.6	2.32	253
180970078	2013	10	22	8	V	2.9	0.8	2.4	237
180970078	2013	10	22	9	V	0.6	0.8	3.39	243
180970078	2013	10	22	10	V	0.3	1.6	3.51	242
180970078	2013	10	22	11	V	0.2	2.5	4.14	250
180970078	2013	10	22	12	V	0.1	2.3	2.88	262
180970078	2013	10	22	13	V	0.3	1.6	2.03	248
180970078	2013	10	22	14	V	0.3	1.2	1.57	276
180970078	2013	10	22	15	V	0.04	0.8	1.96	285
180970078	2013	10	22	16	V	1.1	4.1	3.51	200
180970078	2013	10	22	17	V	0.2	1.1	1.47	286
180970078	2013	10	22	18	V	0.06	0.5	2.74	79
180970078	2013	10	22	19	V	0.1	0.7	1.89	109
180970078	2013	10	22	20	V	0.06	1	3.25	44
180970078	2013	10	22	21	V	0.06	0.9	4.15	68
180970078	2013	10	22	22	V	0.05	0.4	5.07	69
180970078	2013	10	22	23	V	0.04	0.3	4.65	58
180970078	2013	10	22	24	V	0.04	0.2	5.29	45
180970078	2013	10	23	1	V	0.04	0.2	6.06	39
180970078	2013	10	23	2	V	0.04	0.1	7.42	18

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	23	3	V	0.04	0.1	6.84	15
180970078	2013	10	23	4	V	0.04	0.1	5.71	358
180970078	2013	10	23	5	V	0.05	0.1	4.86	345
180970078	2013	10	23	6	V	0.05	0.1	5.75	329
180970078	2013	10	23	7	V	0.08	0.1	5.1	320
180970078	2013	10	23	8	V	0.1	0.2	4.24	302
180970078	2013	10	23	9	V	0.08	0.2	4.85	288
180970078	2013	10	23	10	V	0.07	0.2	5.22	293
180970078	2013	10	23	11	V	0.08	0.4	5.05	282
180970078	2013	10	23	12	V	0.05	0.6	5.68	290
180970078	2013	10	23	13	V	0.02	0.4	7.35	300
180970078	2013	10	23	14	V	0.02	0.3	7.23	290
180970078	2013	10	23	15	V	0.01	0.3	7.38	287
180970078	2013	10	23	16	V	0.04	0.5	7.62	274
180970078	2013	10	23	17	V	0.04	0.5	6.36	269
180970078	2013	10	23	18	V	0.05	0.4	4.97	271
180970078	2013	10	23	19	V	0.06	0.3	3.74	267
180970078	2013	10	23	20	V	0.06	0.3	3	271
180970078	2013	10	23	21	V	0.06	0.3	3.69	266
180970078	2013	10	23	22	V	0.05	0.2	4.1	266
180970078	2013	10	23	23	V	0.05	0.2	4.59	272
180970078	2013	10	23	24	V	0.05	0.3	4.65	269
180970078	2013	10	24	1	V	0.05	0.3	3.81	264
180970078	2013	10	24	2	V	0.05	0.3	4.51	279
180970078	2013	10	24	3	V	0.05	0.3	4.03	275
180970078	2013	10	24	4	V	0.05	0.3	4.1	270
180970078	2013	10	24	5	V	0.07	0.3	3.47	260
180970078	2013	10	24	6	V	0.2	0.3	3.68	243
180970078	2013	10	24	7	V	0.1	0.4	3.8	242
180970078	2013	10	24	8	V	0.07	0.3	3.78	240
180970078	2013	10	24	9	V	0.1	0.3	4.03	251
180970078	2013	10	24	10	V	0.05	0.4	4.29	254
180970078	2013	10	24	11	V	0.08	0.4	3.97	241
180970078	2013	10	24	12	V	0.03	0.4	4.53	259
180970078	2013	10	24	13	V	0.02	0.2	4.97	285
180970078	2013	10	24	14	V	0.02	0.2	5.82	293
180970078	2013	10	24	15	V	0.07	0.3	6.23	285
180970078	2013	10	24	16	V	0.05	0.2	5.51	285
180970078	2013	10	24	17	V	0.05	0.2	4.68	275
180970078	2013	10	24	18	V	0.05	0.2	4.49	283
180970078	2013	10	24	19	V	0.05	0.3	3.76	279
180970078	2013	10	24	20	V	0.05	0.2	4.41	286
180970078	2013	10	24	21	V	0.04	0.2	4.34	291
180970078	2013	10	24	22	V	0.05	0.2	4.46	284
180970078	2013	10	24	23	V	0.04	0.2	3.42	286
180970078	2013	10	24	24	V	0.04	0.2	3.73	285

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	25	1	V	0.04	0.2	3.54	272
180970078	2013	10	25	2	V	0.04	0.2	3.44	265
180970078	2013	10	25	3	V	0.04	0.2	3.44	266
180970078	2013	10	25	4	V	0.2	0.2	3.29	253
180970078	2013	10	25	5	V	0.2	0.2	3.56	244
180970078	2013	10	25	6	V	0.3	0.2	3.46	250
180970078	2013	10	25	7	V	0.2	0.3	3.22	263
180970078	2013	10	25	8	V	0.4	0.5	3.34	248
180970078	2013	10	25	9	V	0.5	0.4	2.84	255
180970078	2013	10	25	10	V	0.6	0.7	2.16	263
180970078	2013	10	25	11	V	0.2	0.5	3.22	283
180970078	2013	10	25	12	V	0.05	0.6	5.05	288
180970078	2013	10	25	13	V	0.04	0.5	5.36	278
180970078	2013	10	25	14	V	0.04	0.3	4.54	267
180970078	2013	10	25	15	V	0.04	0.2	4.31	256
180970078	2013	10	25	16	V	0.2	0.3	4.95	253
180970078	2013	10	25	17	V	0.3	0.4	4.75	247
180970078	2013	10	25	18	V	0.1	0.5	4.53	236
180970078	2013	10	25	19	V	10.1	0.7	3.63	206
180970078	2013	10	25	20	V	0.2	2.7	3.83	200
180970078	2013	10	25	21	V	0.5	13.7	4.54	200
180970078	2013	10	25	22	V	2.9	39.2	4.59	203
180970078	2013	10	25	23	V	9.6	-999	4.51	206
180970078	2013	10	25	24	V	18.7	-999	4.27	209
180970078	2013	10	26	1	V	4.3	23	3.95	205
180970078	2013	10	26	2	V	4.9	31.6	4.32	205
180970078	2013	10	26	3	V	0.8	20	4.83	201
180970078	2013	10	26	4	V	9.7	58.9	5.29	206
180970078	2013	10	26	5	V	7.0	44.6	5.26	205
180970078	2013	10	26	6	V	16.8	41	5.21	208
180970078	2013	10	26	7	V	2.7	29.5	6.53	204
180970078	2013	10	26	8	V	9.0	47.4	6.86	209
180970078	2013	10	26	9	V	11.4	69.7	7.48	212
180970078	2013	10	26	10	V	9.9	64.8	8.27	214
180970078	2013	10	26	11	V	4.1	17.8	8.08	221
180970078	2013	10	26	12	V	1.8	7.1	8.03	225
180970078	2013	10	26	13	V	6.7	14.3	9.56	215
180970078	2013	10	26	14	V	0.02	5.8	8.3	241
180970078	2013	10	26	15	V	0.04	3.1	7.21	246
180970078	2013	10	26	16	V	0.1	2.9	8.2	252
180970078	2013	10	26	17	V	0.04	2.7	6.62	274
180970078	2013	10	26	18	V	0.04	1.5	6.67	293
180970078	2013	10	26	19	V	0.04	1.3	5.14	304
180970078	2013	10	26	20	V	0.04	1	5.04	313
180970078	2013	10	26	21	V	0.04	1.1	3.4	296
180970078	2013	10	26	22	V	0.06	1	2.69	290

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	26	23	V	0.04	0.7	3.32	311
180970078	2013	10	26	24	V	0.04	0.6	3.35	316
180970078	2013	10	27	1	V	0.08	0.5	2.23	294
180970078	2013	10	27	2	V	0.6	0.5	2.25	249
180970078	2013	10	27	3	V	0.1	0.5	2.35	255
180970078	2013	10	27	4	V	0.2	0.6	1.38	281
180970078	2013	10	27	5	V	35.7	0.6	1.48	216
180970078	2013	10	27	6	V	0.2	0.7	1.64	239
180970078	2013	10	27	7	V	0.5	0.8	1.84	258
180970078	2013	10	27	8	V	1.3	0.8	1.5	258
180970078	2013	10	27	9	V	16.7	1	0.89	224
180970078	2013	10	27	10	V	10.7	1.8	0.82	222
180970078	2013	10	27	11	V	17.3	9.9	2.25	225
180970078	2013	10	27	12	V	0.2	5.6	3.9	242
180970078	2013	10	27	13	V	0.3	1.3	3.72	240
180970078	2013	10	27	14	V	0.3	1.1	3.49	239
180970078	2013	10	27	15	V	0.08	0.7	3.3	246
180970078	2013	10	27	16	V	0.3	0.5	3.92	251
180970078	2013	10	27	17	V	0.4	0.5	3.18	231
180970078	2013	10	27	18	V	0.08	0.7	2.96	242
180970078	2013	10	27	19	V	21.3	1	2.1	220
180970078	2013	10	27	20	V	2.7	1	1.99	228
180970078	2013	10	27	21	V	7.7	1	1.5	226
180970078	2013	10	27	22	V	7.2	1	1.2	228
180970078	2013	10	27	23	V	47.0	1	0.94	215
180970078	2013	10	27	24	V	9.4	0.8	0.63	229
180970078	2013	10	28	1	V	0.7	0.7	0.94	272
180970078	2013	10	28	2	V	1.4	0.6	0.7	288
180970078	2013	10	28	3	V	0.7	0.6	0.97	96
180970078	2013	10	28	4	V	1.1	0.6	0.82	24
180970078	2013	10	28	5	V	0.4	0.7	1.21	56
180970078	2013	10	28	6	V	0.7	1	1.04	114
180970078	2013	10	28	7	V	1.8	1.1	1.09	38
180970078	2013	10	28	8	V	5.6	1.3	0.74	137
180970078	2013	10	28	9	V	7.0	1.3	0.52	73
180970078	2013	10	28	10	V	5.7	2.8	0.75	115
180970078	2013	10	28	11	V	4.1	4	1.06	99
180970078	2013	10	28	12	V	1.1	3.5	1.65	125
180970078	2013	10	28	13	V	0.3	2.3	2.42	99
180970078	2013	10	28	14	V	1.0	2	1.33	354
180970078	2013	10	28	15	V	0.4	2	1.45	127
180970078	2013	10	28	16	V	0.7	1.9	0.96	8
180970078	2013	10	28	17	V	0.3	1.6	1.33	347
180970078	2013	10	28	18	V	0.08	1.3	2.27	1
180970078	2013	10	28	19	V	0.06	0.9	2.67	18
180970078	2013	10	28	20	V	0.07	0.6	2.57	27

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	28	21	V	0.07	0.6	2.49	30
180970078	2013	10	28	22	V	0.07	0.7	2.42	27
180970078	2013	10	28	23	V	0.04	0.7	3.15	35
180970078	2013	10	28	24	V	0.06	0.6	2.56	44
180970078	2013	10	29	1	V	0.05	0.4	2.56	44
180970078	2013	10	29	2	V	0.09	0.4	2.13	43
180970078	2013	10	29	3	V	0.09	0.3	2.08	55
180970078	2013	10	29	4	V	0.1	0.4	1.99	74
180970078	2013	10	29	5	V	0.1	0.4	2.03	63
180970078	2013	10	29	6	V	0.07	0.3	2.62	43
180970078	2013	10	29	7	V	0.2	0.2	3.05	48
180970078	2013	10	29	8	V	0.4	0.3	2.79	60
180970078	2013	10	29	9	V	0.5	0.5	2.18	73
180970078	2013	10	29	10	V	0.4	1	2.52	85
180970078	2013	10	29	11	V	0.3	1.8	2.83	113
180970078	2013	10	29	12	V	0.3	2.8	2.83	107
180970078	2013	10	29	13	V	0.4	3.4	2.76	114
180970078	2013	10	29	14	V	0.3	3.8	2.67	114
180970078	2013	10	29	15	V	0.1	4	3	121
180970078	2013	10	29	16	V	0.06	4.3	2.59	110
180970078	2013	10	29	17	V	0.06	3.7	2.81	108
180970078	2013	10	29	18	V	0.06	3	3.13	81
180970078	2013	10	29	19	V	0.06	2.7	3.35	95
180970078	2013	10	29	20	V	0.06	2.5	3.61	104
180970078	2013	10	29	21	V	0.06	2.6	2.74	138
180970078	2013	10	29	22	V	0.06	2.4	3.01	110
180970078	2013	10	29	23	V	0.05	1.8	2.83	103
180970078	2013	10	29	24	V	0.05	1.1	3.3	117
180970078	2013	10	30	1	V	0.05	0.9	2.5	102
180970078	2013	10	30	2	V	0.08	0.8	1.89	75
180970078	2013	10	30	3	V	0.06	0.7	2.23	90
180970078	2013	10	30	4	V	0.09	0.6	2.01	93
180970078	2013	10	30	5	V	0.06	0.5	2.71	103
180970078	2013	10	30	6	V	0.09	0.5	2.05	104
180970078	2013	10	30	7	V	0.1	0.5	2.73	123
180970078	2013	10	30	8	V	0.4	0.5	2.23	126
180970078	2013	10	30	9	V	0.3	0.5	3.2	138
180970078	2013	10	30	10	V	0.6	0.6	2.32	127
180970078	2013	10	30	11	V	0.4	0.7	2.86	108
180970078	2013	10	30	12	V	0.4	0.8	2.66	124
180970078	2013	10	30	13	V	0.3	0.8	3.1	125
180970078	2013	10	30	14	V	0.3	0.9	3.05	132
180970078	2013	10	30	15	V	0.1	0.8	3.2	138
180970078	2013	10	30	16	V	0.06	0.7	4	129
180970078	2013	10	30	17	V	0.06	0.7	3.74	141
180970078	2013	10	30	18	V	0.06	0.6	3.49	150

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	10	30	19	V	0.06	0.6	4.19	138
180970078	2013	10	30	20	V	0.06	0.6	4.53	141
180970078	2013	10	30	21	V	0.06	0.6	4.68	146
180970078	2013	10	30	22	V	0.06	0.7	4.27	162
180970078	2013	10	30	23	V	0.05	0.6	5.96	189
180970078	2013	10	30	24	V	0.05	0.5	3.86	187
180970078	2013	10	31	1	V	0.04	0.5	3.86	190
180970078	2013	10	31	2	V	0.04	0.5	4.86	190
180970078	2013	10	31	3	V	0.04	0.6	4.86	176
180970078	2013	10	31	4	V	0.04	0.8	6.96	177
180970078	2013	10	31	5	V	0.04	1.1	6.96	190
180970078	2013	10	31	6	V	0.2	1.3	9.18	195
180970078	2013	10	31	7	V	0.01	1.2	7.6	184
180970078	2013	10	31	8	V	0.01	1.1	8.16	185
180970078	2013	10	31	9	V	0.01	0.9	8.03	191
180970078	2013	10	31	10	V	0.01	0.9	7.96	188
180970078	2013	10	31	11	V	0.03	1	8.01	193
180970078	2013	10	31	12	V	0.01	0.7	7.01	178
180970078	2013	10	31	13	V	0.02	0.5	6.11	163
180970078	2013	10	31	14	V	0.01	0.4	6.91	161
180970078	2013	10	31	15	V	0.01	0.4	8.88	185
180970078	2013	10	31	16	V	0.05	0.3	6.99	191
180970078	2013	10	31	17	V	0.04	0.3	7.64	189
180970078	2013	10	31	18	V	0.04	0.3	9.73	188
180970078	2013	10	31	19	V	10.0	0.4	9.13	222
180970078	2013	10	31	20	V	1.9	0.8	6.94	200
180970078	2013	10	31	21	V	0.08	1.6	11.91	244
180970078	2013	10	31	22	V	0.2	0.9	7.11	250
180970078	2013	10	31	23	V	0.03	0.6	8.66	270
180970078	2013	10	31	24	V	0.03	0.4	6.41	275
180970078	2013	11	1	1	V	0.04	0.3	6.96	262
180970078	2013	11	1	2	V	0.03	0.3	8.95	266
180970078	2013	11	1	3	V	0.1	0.3	8.37	253
180970078	2013	11	1	4	V	0.1	0.4	7.84	246
180970078	2013	11	1	5	V	0.7	0.3	5.36	231
180970078	2013	11	1	6	V	4.1	0.3	6.8	226
180970078	2013	11	1	7	V	3.8	0.3	6.16	223
180970078	2013	11	1	8	V	2.6	0.5	5.46	227
180970078	2013	11	1	9	V	4.0	0.5	5.33	225
180970078	2013	11	1	10	V	0.7	0.6	6.11	230
180970078	2013	11	1	11	V	0.1	1	6.79	233
180970078	2013	11	1	12	V	0.2	1.3	7.21	233
180970078	2013	11	1	13	V	0.03	1.1	7.89	237
180970078	2013	11	1	14	V	0.03	1	8.16	245
180970078	2013	11	1	15	V	0.02	0.9	7.64	254
180970078	2013	11	1	16	V	0.08	0.9	7.35	257

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	1	17	V	0.03	0.7	6.02	276
180970078	2013	11	1	18	V	0.04	0.6	5.22	277
180970078	2013	11	1	19	V	0.03	0.5	7.26	282
180970078	2013	11	1	20	V	0.04	0.5	5.36	275
180970078	2013	11	1	21	V	0.05	0.4	5.55	278
180970078	2013	11	1	22	V	0.05	0.5	5.34	278
180970078	2013	11	1	23	V	0.04	-999	5.43	268
180970078	2013	11	1	24	V	0.04	-999	5.96	288
180970078	2013	11	2	1	V	0.04	0.3	4.53	282
180970078	2013	11	2	2	V	0.03	0.2	4.54	289
180970078	2013	11	2	3	V	0.03	0.2	3.15	267
180970078	2013	11	2	4	V	0.07	0.2	3.9	258
180970078	2013	11	2	5	V	0.07	0.2	3.27	257
180970078	2013	11	2	6	V	0.04	0.2	3.34	261
180970078	2013	11	2	7	V	0.07	0.2	3.13	264
180970078	2013	11	2	8	V	0.6	0.2	2.56	249
180970078	2013	11	2	9	V	0.4	0.3	3.2	262
180970078	2013	11	2	10	V	0.2	0.6	4.1	291
180970078	2013	11	2	11	V	0.04	0.8	6.09	303
180970078	2013	11	2	12	V	0.02	0.7	7.18	302
180970078	2013	11	2	13	V	0.02	0.6	7.94	307
180970078	2013	11	2	14	V	0.02	0.5	7.38	301
180970078	2013	11	2	15	V	0.01	0.4	7.84	302
180970078	2013	11	2	16	V	0.04	0.5	7.42	307
180970078	2013	11	2	17	V	0.05	0.4	6.24	308
180970078	2013	11	2	18	V	0.05	0.3	5.63	301
180970078	2013	11	2	19	V	0.04	0.3	5.77	306
180970078	2013	11	2	20	V	0.05	0.3	5.41	310
180970078	2013	11	2	21	V	0.05	0.2	4.9	309
180970078	2013	11	2	22	V	0.05	0.2	4.37	321
180970078	2013	11	2	23	V	0.05	0.2	3.18	315
180970078	2013	11	2	24	V	0.05	0.2	2.95	299
180970078	2013	11	3	1	V	0.04	0.2	2.97	296
180970078	2013	11	3	2	V	0.05	0.2	2.44	281
180970078	2013	11	3	3	V	0.06	0.2	2.25	282
180970078	2013	11	3	4	V	0.07	0.2	2.15	280
180970078	2013	11	3	5	V	0.2	0.2	1.62	276
180970078	2013	11	3	6	V	0.06	0.2	2.35	274
180970078	2013	11	3	7	V	0.3	0.3	1.96	271
180970078	2013	11	3	8	V	0.7	0.3	2.21	249
180970078	2013	11	3	9	V	2.9	0.3	1.01	278
180970078	2013	11	3	10	V	3.9	0.5	0.82	22
180970078	2013	11	3	11	V	1.5	0.7	1.33	74
180970078	2013	11	3	12	V	2.0	0.7	1.11	74
180970078	2013	11	3	13	V	0.5	0.5	1.71	90
180970078	2013	11	3	14	V	0.1	0.4	3.05	129

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	3	15	V	0.04	0.3	3.68	142
180970078	2013	11	3	16	V	0.04	0.3	3.71	144
180970078	2013	11	3	17	V	0.04	0.4	3.17	132
180970078	2013	11	3	18	V	0.04	0.4	2.9	121
180970078	2013	11	3	19	V	0.04	0.3	3.2	101
180970078	2013	11	3	20	V	0.06	0.4	2.74	105
180970078	2013	11	3	21	V	0.05	0.4	3	105
180970078	2013	11	3	22	V	0.05	0.3	3.56	122
180970078	2013	11	3	23	V	0.04	0.2	3.39	118
180970078	2013	11	3	24	V	0.04	0.3	3.48	123
180970078	2013	11	4	1	V	0.04	0.5	3.83	118
180970078	2013	11	4	2	V	0.03	0.7	4.05	121
180970078	2013	11	4	3	V	0.04	0.7	3.42	127
180970078	2013	11	4	4	V	0.04	0.6	3.15	114
180970078	2013	11	4	5	V	0.04	0.6	3.95	111
180970078	2013	11	4	6	V	0.05	0.5	3.95	115
180970078	2013	11	4	7	V	0.05	1.3	4.8	114
180970078	2013	11	4	8	V	0.05	2.3	5.55	122
180970078	2013	11	4	9	V	0.03	3.8	6.43	131
180970078	2013	11	4	10	V	0.02	4.7	7.72	138
180970078	2013	11	4	11	V	0.03	2.8	7.04	146
180970078	2013	11	4	12	V	0.04	2.3	5.46	151
180970078	2013	11	4	13	V	0.1	2.3	4.03	149
180970078	2013	11	4	14	V	0.1	1.9	3.92	160
180970078	2013	11	4	15	V	0.08	1.6	4.46	153
180970078	2013	11	4	16	V	0.05	1.6	4.78	154
180970078	2013	11	4	17	V	0.05	1.7	4.34	143
180970078	2013	11	4	18	V	0.05	1.9	4.42	139
180970078	2013	11	4	19	V	0.05	2.2	4.82	143
180970078	2013	11	4	20	V	0.05	3	5.46	149
180970078	2013	11	4	21	V	0.05	2.8	4.43	152
180970078	2013	11	4	22	V	0.05	2	4.15	163
180970078	2013	11	4	23	V	0.05	1.5	3.61	160
180970078	2013	11	4	24	V	0.05	1.1	4.05	157
180970078	2013	11	5	1	V	0.05	0.9	4.73	157
180970078	2013	11	5	2	V	0.05	1.1	4.03	161
180970078	2013	11	5	3	V	0.05	1	3.81	161
180970078	2013	11	5	4	V	0.05	1.1	3.9	163
180970078	2013	11	5	5	V	0.05	1.2	4.29	187
180970078	2013	11	5	6	V	0.05	1.7	3.37	185
180970078	2013	11	5	7	V	0.08	0.9	2.96	149
180970078	2013	11	5	8	V	0.2	0.8	3.46	131
180970078	2013	11	5	9	V	0.2	1.1	4	135
180970078	2013	11	5	10	V	0.1	1.6	3.9	139
180970078	2013	11	5	11	V	0.09	1.6	3.83	170
180970078	2013	11	5	12	V	0.06	1.8	4.29	179

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	5	13	V	0.1	2.7	4.17	189
180970078	2013	11	5	14	V	0.07	2.2	3.63	159
180970078	2013	11	5	15	V	0.05	2	3.52	154
180970078	2013	11	5	16	V	0.03	1.7	4.58	134
180970078	2013	11	5	17	V	0.02	1.5	4.83	136
180970078	2013	11	5	18	V	0.03	1.1	4.31	116
180970078	2013	11	5	19	V	0.03	0.9	3.73	130
180970078	2013	11	5	20	V	0.03	0.9	4.06	137
180970078	2013	11	5	21	V	0.03	0.9	4.51	141
180970078	2013	11	5	22	V	0.03	0.8	5.28	142
180970078	2013	11	5	23	V	0.03	0.9	5.89	142
180970078	2013	11	5	24	V	0.03	0.9	4.68	142
180970078	2013	11	6	1	V	0.04	0.9	4.41	147
180970078	2013	11	6	2	V	0.04	1	4.73	170
180970078	2013	11	6	3	V	0.04	1.2	5.56	175
180970078	2013	11	6	4	V	0.04	1.2	7.42	189
180970078	2013	11	6	5	V	0.03	1.2	6.79	182
180970078	2013	11	6	6	V	0.04	1.5	6.8	178
180970078	2013	11	6	7	V	0.05	1.6	6.14	178
180970078	2013	11	6	8	V	0.03	1.3	6.04	182
180970078	2013	11	6	9	V	0.02	1.1	6.43	179
180970078	2013	11	6	10	V	0.03	0.5	5.63	185
180970078	2013	11	6	11	V	0.02	0.4	6.24	181
180970078	2013	11	6	12	V	0.02	0.4	6.18	182
180970078	2013	11	6	13	V	0.03	0.3	7.86	196
180970078	2013	11	6	14	V	2.3	0.4	9.3	205
180970078	2013	11	6	15	V	4.3	1.5	9.64	227
180970078	2013	11	6	16	V	3.6	1	8.39	227
180970078	2013	11	6	17	V	0.8	0.8	7.71	232
180970078	2013	11	6	18	V	0.2	0.6	6.77	249
180970078	2013	11	6	19	V	0.04	0.4	7.82	295
180970078	2013	11	6	20	V	0.04	0.2	7.25	300
180970078	2013	11	6	21	V	0.04	0.2	6.6	299
180970078	2013	11	6	22	V	0.04	0.2	7.01	309
180970078	2013	11	6	23	V	0.04	0.2	6.24	310
180970078	2013	11	6	24	V	0.04	0.2	5.31	317
180970078	2013	11	7	1	V	0.03	0.2	4.56	309
180970078	2013	11	7	2	V	0.04	0.2	4.83	303
180970078	2013	11	7	3	V	0.03	0.3	4.58	303
180970078	2013	11	7	4	V	0.03	0.2	3.76	303
180970078	2013	11	7	5	V	0.03	0.2	4.63	308
180970078	2013	11	7	6	V	0.03	0.2	4.83	315
180970078	2013	11	7	7	V	0.06	0.3	4.1	321
180970078	2013	11	7	8	V	0.2	0.3	3.86	316
180970078	2013	11	7	9	V	0.5	0.7	2.79	294
180970078	2013	11	7	10	V	0.2	1.1	3.85	305

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	7	11	V	0.2	1.3	3.54	281
180970078	2013	11	7	12	V	0.1	0.7	3.88	296
180970078	2013	11	7	13	V	0.05	0.5	4.73	281
180970078	2013	11	7	14	V	0.02	0.4	6.23	270
180970078	2013	11	7	15	V	0.01	0.4	6.96	260
180970078	2013	11	7	16	V	0.09	0.6	7.08	256
180970078	2013	11	7	17	V	0.08	0.4	6.92	257
180970078	2013	11	7	18	V	0.04	0.6	5.84	266
180970078	2013	11	7	19	V	0.3	0.6	3.91	251
180970078	2013	11	7	20	V	12.5	0.6	3.49	221
180970078	2013	11	7	21	V	0.2	0.9	6.02	247
180970078	2013	11	7	22	V	0.03	0.5	9	289
180970078	2013	11	7	23	V	0.03	0.2	6.74	295
180970078	2013	11	7	24	V	0.02	0.2	5.02	295
180970078	2013	11	8	1	V	0.03	0.2	2.81	276
180970078	2013	11	8	2	V	0.03	0.2	2.64	239
180970078	2013	11	8	3	V	0.2	0.2	2.25	234
180970078	2013	11	8	4	V	2.5	0.2	3.17	226
180970078	2013	11	8	5	V	0.3	0.3	3.51	249
180970078	2013	11	8	6	V	0.02	0.3	3.32	260
180970078	2013	11	8	7	V	0.1	0.3	2.67	255
180970078	2013	11	8	8	V	0.1	0.5	2.71	258
180970078	2013	11	8	9	V	0.2	0.5	2.03	266
180970078	2013	11	8	10	V	0.2	0.7	2.01	296
180970078	2013	11	8	11	V	0.3	0.8	1.53	276
180970078	2013	11	8	12	V	1.1	0.7	1.2	250
180970078	2013	11	8	13	V	1.0	0.8	2.23	239
180970078	2013	11	8	14	V	2.3	0.8	2.81	228
180970078	2013	11	8	15	V	0.4	0.7	2.11	205
180970078	2013	11	8	16	V	1.1	1.8	2.39	210
180970078	2013	11	8	17	V	0.01	1.1	3.13	197
180970078	2013	11	8	18	V	0.01	1.3	3.32	191
180970078	2013	11	8	19	V	0.01	1.1	3	177
180970078	2013	11	8	20	V	0.02	0.7	3.4	166
180970078	2013	11	8	21	V	0.02	0.6	3	173
180970078	2013	11	8	22	V	0.03	0.6	4.22	168
180970078	2013	11	8	23	V	0.03	-999	3.73	172
180970078	2013	11	8	24	V	0.02	-999	4.87	166
180970078	2013	11	9	1	V	0.02	0.5	4.61	171
180970078	2013	11	9	2	V	0.02	0.4	5.24	180
180970078	2013	11	9	3	V	0.02	0.4	6.79	179
180970078	2013	11	9	4	V	0.03	0.5	6.14	186
180970078	2013	11	9	5	V	0.03	1.1	6.35	190
180970078	2013	11	9	6	V	0.2	1.1	6.87	197
180970078	2013	11	9	7	V	0.4	1.3	6.84	200
180970078	2013	11	9	8	V	3.1	2.3	5.97	203

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	9	9	V	1.5	6	5.31	199
180970078	2013	11	9	10	V	3.9	40	7.38	222
180970078	2013	11	9	11	V	0.1	13.7	9.88	233
180970078	2013	11	9	12	V	0.02	2.5	10.44	239
180970078	2013	11	9	13	V	0.05	2	10.07	235
180970078	2013	11	9	14	V	0.7	1.7	9.47	228
180970078	2013	11	9	15	V	3.4	1.3	10	228
180970078	2013	11	9	16	V	4.3	1.5	9.41	226
180970078	2013	11	9	17	V	0.4	1.4	8.59	233
180970078	2013	11	9	18	V	0.1	1.3	6.98	238
180970078	2013	11	9	19	V	0.1	1.3	5.43	239
180970078	2013	11	9	20	V	0.1	1.2	4.51	238
180970078	2013	11	9	21	V	0.2	1	4.66	245
180970078	2013	11	9	22	V	0.3	1.2	4.61	249
180970078	2013	11	9	23	V	0.1	1.1	4.05	256
180970078	2013	11	9	24	V	0.03	0.9	3.81	262
180970078	2013	11	10	1	V	0.03	0.7	4.19	267
180970078	2013	11	10	2	V	0.03	0.6	4.93	274
180970078	2013	11	10	3	V	0.03	0.5	6.55	293
180970078	2013	11	10	4	V	0.03	0.4	7.3	298
180970078	2013	11	10	5	V	0.03	0.3	6.45	293
180970078	2013	11	10	6	V	0.03	0.2	5.67	294
180970078	2013	11	10	7	V	0.06	0.2	5.27	291
180970078	2013	11	10	8	V	0.09	0.2	4.39	285
180970078	2013	11	10	9	V	0.03	0.3	5.73	281
180970078	2013	11	10	10	V	0.02	0.4	6.81	299
180970078	2013	11	10	11	V	0.02	0.4	6.75	305
180970078	2013	11	10	12	V	0.04	0.4	5.65	305
180970078	2013	11	10	13	V	0.04	0.4	5.12	300
180970078	2013	11	10	14	V	0.04	0.4	4.6	299
180970078	2013	11	10	15	V	0.01	0.3	4.61	299
180970078	2013	11	10	16	V	0.03	0.3	4.02	302
180970078	2013	11	10	17	V	0.03	0.3	3.88	309
180970078	2013	11	10	18	V	0.05	0.3	2.61	305
180970078	2013	11	10	19	V	0.1	0.3	1.79	311
180970078	2013	11	10	20	V	0.3	0.5	1.5	266
180970078	2013	11	10	21	V	10.6	0.6	1.08	227
180970078	2013	11	10	22	V	0.06	1	2.66	147
180970078	2013	11	10	23	V	0.1	0.9	2.55	236
180970078	2013	11	10	24	V	23.0	0.8	1.77	219
180970078	2013	11	11	1	V	22.5	0.7	1.91	209
180970078	2013	11	11	2	V	0.1	0.5	1.89	241
180970078	2013	11	11	3	V	30.0	0.4	2.28	216
180970078	2013	11	11	4	V	0.05	0.3	2.44	179
180970078	2013	11	11	5	V	3.3	0.3	1.93	203
180970078	2013	11	11	6	V	0.05	0.3	2.52	194

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	11	7	V	0.05	0.4	3.05	188
180970078	2013	11	11	8	V	0.3	0.5	3.73	191
180970078	2013	11	11	9	V	1.2	3.4	4.87	198
180970078	2013	11	11	10	V	3.0	31.5	6.7	204
180970078	2013	11	11	11	V	5.1	74.9	6.74	206
180970078	2013	11	11	12	V	4.3	51.8	6.13	223
180970078	2013	11	11	13	V	1.5	11	5.85	228
180970078	2013	11	11	14	V	2.1	11.6	5.97	226
180970078	2013	11	11	15	V	0.2	7	6.01	245
180970078	2013	11	11	16	V	0.1	6.6	6.35	241
180970078	2013	11	11	17	V	0.1	4.8	5.27	256
180970078	2013	11	11	18	V	0.04	3	4.58	281
180970078	2013	11	11	19	V	0.03	1.3	6.69	324
180970078	2013	11	11	20	V	0.03	0.5	7.72	353
180970078	2013	11	11	21	V	0.04	0.3	7.69	357
180970078	2013	11	11	22	V	0.04	0.2	7.84	1
180970078	2013	11	11	23	V	0.04	0.2	6.5	358
180970078	2013	11	11	24	V	0.03	0.2	8.18	11
180970078	2013	11	12	1	V	0.03	0.2	5.72	5
180970078	2013	11	12	2	V	0.03	0.2	5.7	11
180970078	2013	11	12	3	V	0.04	0.3	5.16	359
180970078	2013	11	12	4	V	0.03	0.3	5.36	6
180970078	2013	11	12	5	V	0.04	0.3	4.22	353
180970078	2013	11	12	6	V	0.03	0.2	4.53	353
180970078	2013	11	12	7	V	0.08	0.2	3.91	350
180970078	2013	11	12	8	V	0.1	0.2	4.44	351
180970078	2013	11	12	9	V	0.1	0.3	4.39	339
180970078	2013	11	12	10	V	0.04	0.4	5.72	339
180970078	2013	11	12	11	V	0.04	0.4	5.96	346
180970078	2013	11	12	12	V	0.04	0.3	5.67	358
180970078	2013	11	12	13	V	0.03	0.3	5.84	338
180970078	2013	11	12	14	V	0.01	0.3	6.53	337
180970078	2013	11	12	15	V	0.01	0.3	6.92	325
180970078	2013	11	12	16	V	0.04	0.3	6.35	327
180970078	2013	11	12	17	V	0.04	0.3	6.06	324
180970078	2013	11	12	18	V	0.04	0.4	5.19	327
180970078	2013	11	12	19	V	0.05	0.4	2.74	319
180970078	2013	11	12	20	V	0.05	0.4	3.47	308
180970078	2013	11	12	21	V	0.04	0.3	5.26	305
180970078	2013	11	12	22	V	0.04	0.2	3.91	304
180970078	2013	11	12	23	V	0.05	0.2	3.03	300
180970078	2013	11	12	24	V	0.05	0.2	2.84	279
180970078	2013	11	13	1	V	0.05	0.2	2.69	265
180970078	2013	11	13	2	V	0.04	0.2	2.83	271
180970078	2013	11	13	3	V	0.05	0.2	2.59	282
180970078	2013	11	13	4	V	0.05	0.2	2.64	262

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	13	5	V	0.2	0.2	2.15	244
180970078	2013	11	13	6	V	0.3	0.2	3.32	246
180970078	2013	11	13	7	V	0.2	0.2	3.2	242
180970078	2013	11	13	8	V	4.0	0.3	2.61	233
180970078	2013	11	13	9	V	14.3	0.4	3.1	226
180970078	2013	11	13	10	V	0.5	0.7	3.86	237
180970078	2013	11	13	11	V	0.2	1.9	4.41	246
180970078	2013	11	13	12	V	1.6	2.6	4.86	230
180970078	2013	11	13	13	V	0.4	4.3	5.36	233
180970078	2013	11	13	14	V	0.6	1.8	5.36	231
180970078	2013	11	13	15	V	0.5	2.5	6.96	235
180970078	2013	11	13	16	V	27.2	31	5.36	214
180970078	2013	11	13	17	V	11.7	39.6	6.46	220
180970078	2013	11	13	18	V	0.07	51.9	4.36	197
180970078	2013	11	13	19	V	1.3	12.8	3.36	203
180970078	2013	11	13	20	V	0.04	3.4	3.36	197
180970078	2013	11	13	21	V	0.04	4.4	3.49	197
180970078	2013	11	13	22	V	0.07	5.1	3.98	198
180970078	2013	11	13	23	V	0.04	4.7	4.09	196
180970078	2013	11	13	24	V	0.1	3	5.67	197
180970078	2013	11	14	1	V	0.2	2.2	5.38	198
180970078	2013	11	14	2	V	2.4	5.6	4.78	203
180970078	2013	11	14	3	V	16.0	42.2	4.54	208
180970078	2013	11	14	4	V	3.3	52.9	4.44	204
180970078	2013	11	14	5	V	10.5	22.3	4.99	207
180970078	2013	11	14	6	V	3.2	28.7	4.2	204
180970078	2013	11	14	7	V	13.8	26	3.56	206
180970078	2013	11	14	8	V	3.0	18.1	4.17	199
180970078	2013	11	14	9	V	5.0	17.1	4.58	201
180970078	2013	11	14	10	V	8.5	55	6.79	218
180970078	2013	11	14	11	V	5.9	50.5	7.2	219
180970078	2013	11	14	12	V	3.4	49.1	7.88	222
180970078	2013	11	14	13	V	6.5	41.3	7.89	218
180970078	2013	11	14	14	V	4.8	35.4	8.42	220
180970078	2013	11	14	15	V	26.3	26.3	7.62	212
180970078	2013	11	14	16	V	7.8	14.5	7.45	204
180970078	2013	11	14	17	V	22.0	20.6	6.45	209
180970078	2013	11	14	18	V	0.05	4.5	4.9	192
180970078	2013	11	14	19	V	0.05	2.3	5.68	190
180970078	2013	11	14	20	V	0.04	3.6	5.78	189
180970078	2013	11	14	21	V	0.06	4.6	6.02	193
180970078	2013	11	14	22	V	0.06	3.6	5.46	193
180970078	2013	11	14	23	V	0.04	3.6	5.72	183
180970078	2013	11	14	24	V	0.04	3.6	5.1	187
180970078	2013	11	15	1	V	0.07	3.2	4.63	193
180970078	2013	11	15	2	V	8.2	6.9	4.46	205

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	15	3	V	23.2	16.6	4.97	212
180970078	2013	11	15	4	V	3.0	11.2	5.31	202
180970078	2013	11	15	5	V	24.4	29	5.21	211
180970078	2013	11	15	6	V	27.3	48.9	4.43	210
180970078	2013	11	15	7	V	6.6	13.7	4.87	202
180970078	2013	11	15	8	V	1.0	5.6	4.65	197
180970078	2013	11	15	9	V	0.08	6.1	4.54	188
180970078	2013	11	15	10	V	2.2	6.8	4.08	198
180970078	2013	11	15	11	V	1.6	7	4.43	198
180970078	2013	11	15	12	V	4.7	27.9	4.83	201
180970078	2013	11	15	13	V	0.2	43.6	5.21	193
180970078	2013	11	15	14	V	0.05	37.4	5.43	188
180970078	2013	11	15	15	V	2.0	16.3	5.12	198
180970078	2013	11	15	16	V	7.5	20.7	5.43	204
180970078	2013	11	15	17	V	2.3	7.9	4.19	202
180970078	2013	11	15	18	V	0.05	5.1	4.32	186
180970078	2013	11	15	19	V	0.05	3.7	4.15	160
180970078	2013	11	15	20	V	0.04	4	4.32	161
180970078	2013	11	15	21	V	0.04	4.2	5.28	168
180970078	2013	11	15	22	V	0.04	3.8	3.83	163
180970078	2013	11	15	23	V	0.03	-999	3.05	141
180970078	2013	11	15	24	V	0.03	-999	3.9	137
180970078	2013	11	16	1	V	0.03	1.3	3.93	139
180970078	2013	11	16	2	V	0.03	1.4	4.51	148
180970078	2013	11	16	3	V	0.03	1.1	3.9	140
180970078	2013	11	16	4	V	0.03	0.9	4.1	145
180970078	2013	11	16	5	V	0.03	0.9	4.73	151
180970078	2013	11	16	6	V	0.03	0.8	3.68	143
180970078	2013	11	16	7	V	0.04	0.8	3.78	141
180970078	2013	11	16	8	V	0.04	0.6	4.03	143
180970078	2013	11	16	9	V	0.04	0.5	4.51	155
180970078	2013	11	16	10	V	0.03	0.5	5.21	158
180970078	2013	11	16	11	V	0.02	0.5	5.68	157
180970078	2013	11	16	12	V	0.02	0.6	6.43	158
180970078	2013	11	16	13	V	0.01	0.7	6.89	159
180970078	2013	11	16	14	V	0.01	1	7.74	160
180970078	2013	11	16	15	V	0.01	1.6	7.52	153
180970078	2013	11	16	16	V	0.03	1.2	6.93	151
180970078	2013	11	16	17	V	0.03	1.1	4.86	148
180970078	2013	11	16	18	V	0.03	0.7	5.56	153
180970078	2013	11	16	19	V	0.03	0.7	7.31	166
180970078	2013	11	16	20	V	0.03	0.6	6.26	163
180970078	2013	11	16	21	V	0.03	0.5	5.09	157
180970078	2013	11	16	22	V	0.03	0.5	6.55	167
180970078	2013	11	16	23	V	0.02	0.5	10.94	173
180970078	2013	11	16	24	V	0.02	0.4	10.75	176

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	17	1	V	0.03	0.4	7.03	191
180970078	2013	11	17	2	V	0.03	0.4	4.46	145
180970078	2013	11	17	3	V	0.03	0.3	3.18	103
180970078	2013	11	17	4	V	0.03	0.3	4.99	160
180970078	2013	11	17	5	V	0.02	0.3	5.72	148
180970078	2013	11	17	6	V	0.02	0.2	5.53	146
180970078	2013	11	17	7	V	0.04	0.3	4.07	145
180970078	2013	11	17	8	V	0.02	0.2	5.48	158
180970078	2013	11	17	9	V	0.01	0.3	7.62	174
180970078	2013	11	17	10	V	0.01	0.4	9.15	172
180970078	2013	11	17	11	V	0.01	0.5	9.61	175
180970078	2013	11	17	12	V	0.01	0.4	9.95	176
180970078	2013	11	17	13	V	0.01	0.4	9.81	173
180970078	2013	11	17	14	V	0.01	0.4	10.83	177
180970078	2013	11	17	15	V	0.04	0.5	10.77	183
180970078	2013	11	17	16	V	3.4	0.5	12.92	201
180970078	2013	11	17	17	V	0.08	0.4	13.84	240
180970078	2013	11	17	18	V	0.03	0.7	14.57	274
180970078	2013	11	17	19	V	0.04	0.5	12.16	275
180970078	2013	11	17	20	V	0.04	0.4	12.11	268
180970078	2013	11	17	21	V	0.04	0.3	9.92	270
180970078	2013	11	17	22	V	0.03	0.3	7.83	274
180970078	2013	11	17	23	V	0.03	0.2	6.6	269
180970078	2013	11	17	24	V	0.03	0.2	8.08	273
180970078	2013	11	18	1	V	0.03	0.2	8.04	275
180970078	2013	11	18	2	V	0.02	0.2	6.96	285
180970078	2013	11	18	3	V	0.03	0.2	5.85	272
180970078	2013	11	18	4	V	0.1	0.2	5.16	255
180970078	2013	11	18	5	V	0.2	0.2	4.99	243
180970078	2013	11	18	6	V	0.2	0.2	4.88	243
180970078	2013	11	18	7	V	0.05	0.2	5.63	260
180970078	2013	11	18	8	V	0.01	0.3	6.82	271
180970078	2013	11	18	9	V	0.01	0.3	7.3	272
180970078	2013	11	18	10	V	0.01	0.4	9.69	280
180970078	2013	11	18	11	V	0.01	0.4	9.7	282
180970078	2013	11	18	12	V	0.01	0.3	10.1	282
180970078	2013	11	18	13	V	0.01	0.3	10.94	276
180970078	2013	11	18	14	V	0.01	0.3	10.6	277
180970078	2013	11	18	15	V	0.03	0.3	10.83	279
180970078	2013	11	18	16	V	0.02	0.3	10.03	286
180970078	2013	11	18	17	V	0.02	0.2	9.97	289
180970078	2013	11	18	18	V	0.02	0.2	7.15	294
180970078	2013	11	18	19	V	0.02	0.2	6.97	298
180970078	2013	11	18	20	V	0.02	0.2	5.53	311
180970078	2013	11	18	21	V	0.02	0.2	4.15	310
180970078	2013	11	18	22	V	0.02	0.2	4.36	308

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	18	23	V	0.02	0.3	3.8	307
180970078	2013	11	18	24	V	0.03	0.2	3.1	310
180970078	2013	11	19	1	V	0.02	0.4	3.52	313
180970078	2013	11	19	2	V	0.03	0.2	3.15	286
180970078	2013	11	19	3	V	0.04	0.2	2.5	299
180970078	2013	11	19	4	V	0.06	0.2	2.28	312
180970078	2013	11	19	5	V	0.02	0.2	3.32	316
180970078	2013	11	19	6	V	0.02	0.2	3.81	315
180970078	2013	11	19	7	V	0.04	0.2	3.76	339
180970078	2013	11	19	8	V	0.1	0.2	3.32	353
180970078	2013	11	19	9	V	0.2	0.4	3.22	3
180970078	2013	11	19	10	V	0.07	0.6	4.14	34
180970078	2013	11	19	11	V	0.05	0.4	4.61	43
180970078	2013	11	19	12	V	0.1	0.4	3.27	55
180970078	2013	11	19	13	V	0.09	0.4	3.39	59
180970078	2013	11	19	14	V	0.1	0.3	2.93	72
180970078	2013	11	19	15	V	0.06	0.3	3.13	102
180970078	2013	11	19	16	V	0.03	0.3	3.42	93
180970078	2013	11	19	17	V	0.04	0.3	3.8	105
180970078	2013	11	19	18	V	0.04	0.3	3.61	103
180970078	2013	11	19	19	V	0.05	0.2	2.49	96
180970078	2013	11	19	20	V	0.07	0.2	2.25	104
180970078	2013	11	19	21	V	0.04	0.2	3.22	92
180970078	2013	11	19	22	V	0.04	0.2	3.56	83
180970078	2013	11	19	23	V	0.04	0.2	3.56	89
180970078	2013	11	19	24	V	0.04	0.2	3.15	90
180970078	2013	11	20	1	V	0.04	0.1	2.91	87
180970078	2013	11	20	2	V	0.04	0.2	2.93	83
180970078	2013	11	20	3	V	0.04	0.2	3.83	81
180970078	2013	11	20	4	V	0.04	0.2	3.97	82
180970078	2013	11	20	5	V	0.04	0.1	3.39	81
180970078	2013	11	20	6	V	0.04	0.2	4	86
180970078	2013	11	20	7	V	0.06	0.2	4.14	86
180970078	2013	11	20	8	V	0.05	0.4	5.22	90
180970078	2013	11	20	9	V	0.04	1	5.84	99
180970078	2013	11	20	10	V	0.03	1.3	6.26	114
180970078	2013	11	20	11	V	0.03	1.8	6.3	118
180970078	2013	11	20	12	V	0.03	3.1	6.07	135
180970078	2013	11	20	13	V	0.03	4.9	5.53	123
180970078	2013	11	20	14	V	0.06	5.6	4.56	124
180970078	2013	11	20	15	V	0.07	4.4	4.75	128
180970078	2013	11	20	16	V	0.05	2.5	4.53	131
180970078	2013	11	20	17	V	0.05	2.1	4.17	139
180970078	2013	11	20	18	V	0.05	1.4	3.01	127
180970078	2013	11	20	19	V	0.06	1.5	3.34	136
180970078	2013	11	20	20	V	0.06	1.5	3.56	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	20	21	V	0.05	1.2	4.19	133
180970078	2013	11	20	22	V	0.05	0.9	4.8	143
180970078	2013	11	20	23	V	0.05	1.3	4.58	143
180970078	2013	11	20	24	V	0.05	1.3	5.16	140
180970078	2013	11	21	1	V	0.05	1.1	4.58	141
180970078	2013	11	21	2	V	0.04	1	4.66	142
180970078	2013	11	21	3	V	0.04	0.9	4.24	146
180970078	2013	11	21	4	V	0.05	1	3.83	151
180970078	2013	11	21	5	V	0.04	0.5	4.65	139
180970078	2013	11	21	6	V	0.05	0.5	4.63	140
180970078	2013	11	21	7	V	0.06	0.6	4.95	140
180970078	2013	11	21	8	V	0.05	0.7	4.75	137
180970078	2013	11	21	9	V	0.05	0.7	5	141
180970078	2013	11	21	10	V	0.07	0.7	4.71	148
180970078	2013	11	21	11	V	0.07	0.5	4.71	143
180970078	2013	11	21	12	V	0.3	0.5	3	141
180970078	2013	11	21	13	V	0.5	0.9	2.3	134
180970078	2013	11	21	14	V	0.3	1.1	2.35	152
180970078	2013	11	21	15	V	0.7	1.1	1.33	197
180970078	2013	11	21	16	V	0.7	0.6	1.04	127
180970078	2013	11	21	17	V	0.8	0.4	0.97	345
180970078	2013	11	21	18	V	2.6	0.6	0.52	251
180970078	2013	11	21	19	V	1.5	0.7	0.79	126
180970078	2013	11	21	20	V	0.07	0.6	2.23	118
180970078	2013	11	21	21	V	0.06	0.4	2.62	125
180970078	2013	11	21	22	V	0.05	0.3	3.56	162
180970078	2013	11	21	23	V	0.04	0.3	2.83	190
180970078	2013	11	21	24	V	0.04	0.3	2.83	182
180970078	2013	11	22	1	V	0.04	0.3	3.17	181
180970078	2013	11	22	2	V	6.2	0.5	2.78	205
180970078	2013	11	22	3	V	0.1	0.9	3.13	237
180970078	2013	11	22	4	V	0.05	0.5	2.44	277
180970078	2013	11	22	5	V	0.1	0.4	1.76	311
180970078	2013	11	22	6	V	0.05	0.4	2.36	320
180970078	2013	11	22	7	V	0.05	0.3	3.36	312
180970078	2013	11	22	8	V	0.1	0.3	3.86	314
180970078	2013	11	22	9	V	0.2	0.3	3.86	314
180970078	2013	11	22	10	V	0.03	0.3	6.46	323
180970078	2013	11	22	11	V	0.02	0.3	6.96	328
180970078	2013	11	22	12	V	0.03	0.4	5.36	331
180970078	2013	11	22	13	V	0.01	0.4	7.46	332
180970078	2013	11	22	14	V	0.01	0.3	7.78	338
180970078	2013	11	22	15	V	0.05	0.2	7.83	340
180970078	2013	11	22	16	V	0.04	0.3	6.82	345
180970078	2013	11	22	17	V	0.04	0.3	7.11	340
180970078	2013	11	22	18	V	0.05	0.3	7.42	336

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	22	19	V	0.05	0.2	8.61	337
180970078	2013	11	22	20	V	0.04	0.2	7.83	342
180970078	2013	11	22	21	V	0.05	0.2	6.82	342
180970078	2013	11	22	22	V	0.05	0.2	5.14	338
180970078	2013	11	22	23	V	0.04	-999	4.56	343
180970078	2013	11	22	24	V	0.04	-999	4.63	336
180970078	2013	11	23	1	V	0.04	0.1	3.86	333
180970078	2013	11	23	2	V	0.03	0.1	3.83	329
180970078	2013	11	23	3	V	0.04	0.1	3.1	325
180970078	2013	11	23	4	V	0.05	0.1	2.67	305
180970078	2013	11	23	5	V	0.04	0.1	2.98	303
180970078	2013	11	23	6	V	0.04	0.2	3.8	310
180970078	2013	11	23	7	V	0.06	0.3	2.98	287
180970078	2013	11	23	8	V	0.2	0.2	3.57	277
180970078	2013	11	23	9	V	0.2	0.3	3.85	270
180970078	2013	11	23	10	V	0.05	0.4	5.85	295
180970078	2013	11	23	11	V	0.02	0.4	7.98	306
180970078	2013	11	23	12	V	0.02	0.4	8.62	316
180970078	2013	11	23	13	V	0.01	0.4	8.64	312
180970078	2013	11	23	14	V	0.01	0.2	9.15	315
180970078	2013	11	23	15	V	0.04	0.3	9.83	325
180970078	2013	11	23	16	V	0.04	0.4	8.85	326
180970078	2013	11	23	17	V	0.03	0.4	8.28	326
180970078	2013	11	23	18	V	0.04	0.4	8.13	323
180970078	2013	11	23	19	V	0.03	0.3	7.94	326
180970078	2013	11	23	20	V	0.04	0.2	7.43	330
180970078	2013	11	23	21	V	0.04	0.3	7.31	328
180970078	2013	11	23	22	V	0.04	0.3	6.67	331
180970078	2013	11	23	23	V	0.04	0.3	5.22	326
180970078	2013	11	23	24	V	0.04	0.3	5.79	318
180970078	2013	11	24	1	V	0.04	0.3	6.43	316
180970078	2013	11	24	2	V	0.04	0.3	5.55	314
180970078	2013	11	24	3	V	0.04	0.2	5.31	311
180970078	2013	11	24	4	V	0.04	0.2	5.04	312
180970078	2013	11	24	5	V	0.04	0.2	4.51	326
180970078	2013	11	24	6	V	0.04	0.2	4.66	330
180970078	2013	11	24	7	V	0.05	0.2	3.08	318
180970078	2013	11	24	8	V	0.4	0.2	2.76	301
180970078	2013	11	24	9	V	0.3	0.3	3.57	310
180970078	2013	11	24	10	V	0.2	0.6	3.24	312
180970078	2013	11	24	11	V	0.4	0.8	2.45	327
180970078	2013	11	24	12	V	0.5	0.7	2.16	330
180970078	2013	11	24	13	V	0.2	0.5	2.76	316
180970078	2013	11	24	14	V	0.2	0.4	2.66	303
180970078	2013	11	24	15	V	0.07	0.3	2.19	279
180970078	2013	11	24	16	V	0.1	0.3	1.77	321

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	24	17	V	0.1	0.4	1.81	292
180970078	2013	11	24	18	V	0.1	0.5	2.01	300
180970078	2013	11	24	19	V	0.3	0.4	1.42	324
180970078	2013	11	24	20	V	2.4	0.4	0.62	295
180970078	2013	11	24	21	V	0.5	0.4	1.2	144
180970078	2013	11	24	22	V	0.06	0.5	2.62	166
180970078	2013	11	24	23	V	0.05	0.6	2.91	197
180970078	2013	11	24	24	V	0.04	0.4	3.01	195
180970078	2013	11	25	1	V	0.04	0.7	3.22	181
180970078	2013	11	25	2	V	0.04	0.8	3.69	176
180970078	2013	11	25	3	V	0.05	0.8	3.51	172
180970078	2013	11	25	4	V	0.05	0.6	3.63	182
180970078	2013	11	25	5	V	0.05	0.5	4.03	175
180970078	2013	11	25	6	V	0.05	0.5	3.97	165
180970078	2013	11	25	7	V	0.06	0.6	4.08	175
180970078	2013	11	25	8	V	0.2	0.7	3.9	173
180970078	2013	11	25	9	V	0.09	0.8	4.34	188
180970078	2013	11	25	10	V	0.03	0.9	5.38	191
180970078	2013	11	25	11	V	0.05	1.1	4.78	193
180970078	2013	11	25	12	V	8.6	5.1	5.63	207
180970078	2013	11	25	13	V	17.0	36.3	5.97	213
180970078	2013	11	25	14	V	6.1	28.6	5.77	220
180970078	2013	11	25	15	V	14.9	18.3	5	221
180970078	2013	11	25	16	V	33.8	16.4	4.82	215
180970078	2013	11	25	17	V	18.3	31.9	5.22	207
180970078	2013	11	25	18	V	15.0	31.9	5.24	206
180970078	2013	11	25	19	V	1.7	6.9	4.65	200
180970078	2013	11	25	20	V	32.0	38.3	5.22	215
180970078	2013	11	25	21	V	15.8	23.7	5.73	220
180970078	2013	11	25	22	V	32.8	11.4	4.8	215
180970078	2013	11	25	23	V	38.6	24.1	3.63	213
180970078	2013	11	25	24	V	20.5	11.3	2.95	219
180970078	2013	11	26	1	V	1.9	5.1	2.42	228
180970078	2013	11	26	2	V	9.5	10.1	3.86	223
180970078	2013	11	26	3	V	4.7	4.5	4.61	226
180970078	2013	11	26	4	V	12.3	3.4	4.46	221
180970078	2013	11	26	5	V	7.6	2.6	3.56	224
180970078	2013	11	26	6	V	13.3	2.3	3.25	221
180970078	2013	11	26	7	V	6.4	2.2	2.15	225
180970078	2013	11	26	8	V	8.5	2.5	2.03	226
180970078	2013	11	26	9	V	0.4	2.8	2.2	258
180970078	2013	11	26	10	V	0.7	3.2	1.91	258
180970078	2013	11	26	11	V	0.5	3.7	2.22	300
180970078	2013	11	26	12	V	2.1	3.2	1.08	265
180970078	2013	11	26	13	V	1.6	2.5	1.16	298
180970078	2013	11	26	14	V	0.5	2.8	1.81	315

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	26	15	V	0.06	2.7	3.22	312
180970078	2013	11	26	16	V	0.05	2.4	2.78	305
180970078	2013	11	26	17	V	0.05	1.8	2.98	310
180970078	2013	11	26	18	V	0.05	1.4	3.25	319
180970078	2013	11	26	19	V	0.05	1.2	4.58	312
180970078	2013	11	26	20	V	0.04	1.1	6.28	318
180970078	2013	11	26	21	V	0.05	0.9	5.77	313
180970078	2013	11	26	22	V	0.04	0.8	7.43	317
180970078	2013	11	26	23	V	0.04	0.5	7.69	327
180970078	2013	11	26	24	V	0.04	0.4	7.98	340
180970078	2013	11	27	1	V	0.05	0.3	6.43	340
180970078	2013	11	27	2	V	0.04	0.4	6.35	320
180970078	2013	11	27	3	V	0.04	0.4	7.33	318
180970078	2013	11	27	4	V	0.04	0.4	7.98	329
180970078	2013	11	27	5	V	0.04	0.5	7.16	317
180970078	2013	11	27	6	V	0.04	0.5	6.81	306
180970078	2013	11	27	7	V	0.04	0.5	7.08	304
180970078	2013	11	27	8	V	0.06	0.4	7.21	301
180970078	2013	11	27	9	V	0.02	0.4	7.03	302
180970078	2013	11	27	10	V	0.02	0.5	6.72	309
180970078	2013	11	27	11	V	0.02	0.6	6.62	307
180970078	2013	11	27	12	V	0.02	0.6	6.28	306
180970078	2013	11	27	13	V	0.03	0.5	6.21	296
180970078	2013	11	27	14	V	0.02	0.7	6.52	300
180970078	2013	11	27	15	V	0.04	0.7	6.75	299
180970078	2013	11	27	16	V	0.03	0.5	6.62	292
180970078	2013	11	27	17	V	0.03	0.6	6.19	290
180970078	2013	11	27	18	V	0.04	0.6	5.33	272
180970078	2013	11	27	19	V	0.04	0.6	3.51	263
180970078	2013	11	27	20	V	0.04	0.5	3.27	263
180970078	2013	11	27	21	V	0.4	0.4	3.25	248
180970078	2013	11	27	22	V	0.07	0.3	3.52	238
180970078	2013	11	27	23	V	0.3	0.4	3.46	245
180970078	2013	11	27	24	V	0.4	0.3	3.18	247
180970078	2013	11	28	1	V	0.1	0.3	3.08	238
180970078	2013	11	28	2	V	0.3	0.4	2.86	245
180970078	2013	11	28	3	V	6.6	0.3	3.12	224
180970078	2013	11	28	4	V	0.05	0.3	2.79	240
180970078	2013	11	28	5	V	9.6	0.5	2.86	223
180970078	2013	11	28	6	V	7.6	0.6	3.22	224
180970078	2013	11	28	7	V	6.5	2.8	3.3	204
180970078	2013	11	28	8	V	0.1	9.8	4	181
180970078	2013	11	28	9	V	0.1	8	4.19	176
180970078	2013	11	28	10	V	0.05	4.1	5.73	184
180970078	2013	11	28	11	V	0.03	3	7.33	191
180970078	2013	11	28	12	V	0.1	4.3	7.25	195

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	28	13	V	0.02	6.4	6.72	193
180970078	2013	11	28	14	V	0.6	16.5	6.24	201
180970078	2013	11	28	15	V	7.4	11.3	7.37	223
180970078	2013	11	28	16	V	0.2	4.3	7.54	235
180970078	2013	11	28	17	V	0.9	5.5	5.65	230
180970078	2013	11	28	18	V	0.09	3.9	4.34	239
180970078	2013	11	28	19	V	0.3	3	3.03	232
180970078	2013	11	28	20	V	0.6	2.2	2.39	231
180970078	2013	11	28	21	V	3.3	1.6	2.78	226
180970078	2013	11	28	22	V	0.5	1.5	2.71	247
180970078	2013	11	28	23	V	0.04	1.2	2.47	275
180970078	2013	11	28	24	V	0.09	0.9	1.89	294
180970078	2013	11	29	1	V	0.1	0.8	1.74	294
180970078	2013	11	29	2	V	0.1	0.6	1.65	304
180970078	2013	11	29	3	V	0.05	0.5	2.44	323
180970078	2013	11	29	4	V	0.04	0.5	2.4	340
180970078	2013	11	29	5	V	0.07	0.5	2.01	359
180970078	2013	11	29	6	V	0.09	0.5	1.81	19
180970078	2013	11	29	7	V	0.2	0.4	1.35	16
180970078	2013	11	29	8	V	1.5	0.6	0.94	25
180970078	2013	11	29	9	V	3.7	0.7	0.69	347
180970078	2013	11	29	10	V	0.6	1.4	1.96	43
180970078	2013	11	29	11	V	0.3	1.4	2.62	71
180970078	2013	11	29	12	V	0.1	1.2	3.2	103
180970078	2013	11	29	13	V	0.09	1.1	3.11	116
180970078	2013	11	29	14	V	0.06	0.9	3.18	118
180970078	2013	11	29	15	V	0.03	0.8	3.01	111
180970078	2013	11	29	16	V	0.02	0.7	3.12	107
180970078	2013	11	29	17	V	0.02	0.6	2.81	95
180970078	2013	11	29	18	V	0.03	0.6	2.74	116
180970078	2013	11	29	19	V	0.04	0.7	2.55	89
180970078	2013	11	29	20	V	0.04	0.8	2.49	98
180970078	2013	11	29	21	V	0.03	0.6	2.95	110
180970078	2013	11	29	22	V	0.02	0.7	3.22	116
180970078	2013	11	29	23	V	0.02	-999	3.59	124
180970078	2013	11	29	24	V	0.03	-999	3.66	133
180970078	2013	11	30	1	V	0.02	1	3.56	130
180970078	2013	11	30	2	V	0.03	1	2.64	130
180970078	2013	11	30	3	V	0.02	1	2.81	136
180970078	2013	11	30	4	V	0.05	0.9	2.11	126
180970078	2013	11	30	5	V	0.04	1.2	2.28	121
180970078	2013	11	30	6	V	0.1	1.4	1.64	124
180970078	2013	11	30	7	V	0.03	1.4	2.81	133
180970078	2013	11	30	8	V	0.2	1.3	2.71	142
180970078	2013	11	30	9	V	0.3	1.8	2.57	142
180970078	2013	11	30	10	V	0.2	3.3	3.29	170

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	11	30	11	V	0.1	6	4.1	185
180970078	2013	11	30	12	V	0.08	17.8	4.9	190
180970078	2013	11	30	13	V	0.04	9.9	5.77	190
180970078	2013	11	30	14	V	0.03	16.7	5.92	191
180970078	2013	11	30	15	V	0.03	12.4	6.06	191
180970078	2013	11	30	16	V	0.03	6.3	6.89	194
180970078	2013	11	30	17	V	0.3	5	6.01	199
180970078	2013	11	30	18	V	14.1	2.9	4.75	209
180970078	2013	11	30	19	V	0.03	2	3.98	191
180970078	2013	11	30	20	V	0.03	1.9	3.49	189
180970078	2013	11	30	21	V	0.03	1.8	3.81	182
180970078	2013	11	30	22	V	0.03	2.2	3.17	172
180970078	2013	11	30	23	V	0.03	3.4	3.18	191
180970078	2013	11	30	24	V	1.5	4.1	3.34	204
180970078	2013	12	1	1	V	16.4	3.9	3.56	209
180970078	2013	12	1	2	V	15.9	4.4	3.18	220
180970078	2013	12	1	3	V	21.2	6.2	2.69	217
180970078	2013	12	1	4	V	15.6	5.6	3.98	218
180970078	2013	12	1	5	V	0.2	7.5	4.03	233
180970078	2013	12	1	6	V	0.07	5.3	4.27	237
180970078	2013	12	1	7	V	1.6	5.3	3.68	228
180970078	2013	12	1	8	V	1.2	3.8	2.88	235
180970078	2013	12	1	9	V	4.0	6.6	2.76	232
180970078	2013	12	1	10	V	6.5	12.2	4.2	226
180970078	2013	12	1	11	V	0.1	6.3	4.92	240
180970078	2013	12	1	12	V	0.3	6	3.68	244
180970078	2013	12	1	13	V	0.3	5.6	3.25	241
180970078	2013	12	1	14	V	0.1	4.7	4.05	244
180970078	2013	12	1	15	V	0.03	3.9	4.15	264
180970078	2013	12	1	16	V	0.4	3	3.63	250
180970078	2013	12	1	17	V	0.03	2.7	2.89	264
180970078	2013	12	1	18	V	0.04	2.7	2.71	322
180970078	2013	12	1	19	V	0.05	1.9	2.61	329
180970078	2013	12	1	20	V	0.1	1.2	1.67	347
180970078	2013	12	1	21	V	0.07	1.1	2.1	3
180970078	2013	12	1	22	V	0.03	1.1	3.1	32
180970078	2013	12	1	23	V	0.05	1.3	2.4	48
180970078	2013	12	1	24	V	0.04	1	2.83	40
180970078	2013	12	2	1	V	0.05	0.8	2.45	49
180970078	2013	12	2	2	V	0.04	0.6	2.52	43
180970078	2013	12	2	3	V	0.04	0.5	2.86	38
180970078	2013	12	2	4	V	0.04	0.5	3.12	39
180970078	2013	12	2	5	V	0.04	0.5	2.96	47
180970078	2013	12	2	6	V	0.04	0.6	3.86	36
180970078	2013	12	2	7	V	0.05	0.6	3.44	52
180970078	2013	12	2	8	V	0.09	0.5	3.32	52

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	2	9	V	0.2	0.7	2.64	52
180970078	2013	12	2	10	V	0.4	1	2.37	73
180970078	2013	12	2	11	V	0.2	1.4	3.68	97
180970078	2013	12	2	12	V	0.1	1.8	4.32	107
180970078	2013	12	2	13	V	0.3	2.3	3.05	111
180970078	2013	12	2	14	V	0.4	2.8	2.62	95
180970078	2013	12	2	15	V	0.06	3.8	3.68	100
180970078	2013	12	2	16	V	0.05	3.2	3.9	94
180970078	2013	12	2	17	V	0.06	2.7	2.48	114
180970078	2013	12	2	18	V	0.05	1.5	2.86	79
180970078	2013	12	2	19	V	0.05	1	3.11	80
180970078	2013	12	2	20	V	0.05	0.7	3.29	77
180970078	2013	12	2	21	V	0.05	0.6	3.68	78
180970078	2013	12	2	22	V	0.05	0.6	3.66	92
180970078	2013	12	2	23	V	0.05	0.7	3.97	110
180970078	2013	12	2	24	V	0.05	0.7	3.9	107
180970078	2013	12	3	1	V	0.04	0.7	3.37	103
180970078	2013	12	3	2	V	0.03	0.6	4.54	116
180970078	2013	12	3	3	V	0.03	0.4	3.8	99
180970078	2013	12	3	4	V	0.05	0.4	2.88	90
180970078	2013	12	3	5	V	0.1	0.4	2.03	89
180970078	2013	12	3	6	V	0.04	0.4	3.35	111
180970078	2013	12	3	7	V	0.05	0.4	3.01	104
180970078	2013	12	3	8	V	0.2	0.4	3.24	95
180970078	2013	12	3	9	V	0.1	0.5	3.76	111
180970078	2013	12	3	10	V	0.2	0.5	3.34	147
180970078	2013	12	3	11	V	0.1	0.5	3.76	133
180970078	2013	12	3	12	V	0.2	0.6	3.18	147
180970078	2013	12	3	13	V	0.05	1	4.93	132
180970078	2013	12	3	14	V	0.05	0.9	4.58	140
180970078	2013	12	3	15	V	0.05	0.8	4.27	138
180970078	2013	12	3	16	V	0.04	0.9	5.55	137
180970078	2013	12	3	17	V	0.05	0.9	4.54	148
180970078	2013	12	3	18	V	0.05	0.9	2.76	155
180970078	2013	12	3	19	V	0.05	0.9	3.42	129
180970078	2013	12	3	20	V	0.05	0.8	3.59	120
180970078	2013	12	3	21	V	0.05	0.8	3.92	123
180970078	2013	12	3	22	V	0.05	0.8	3.27	127
180970078	2013	12	3	23	V	0.04	0.8	3.35	136
180970078	2013	12	3	24	V	0.03	-999	4.2	126
180970078	2013	12	4	1	V	0.03	-999	5	137
180970078	2013	12	4	2	V	0.02	-999	4.36	137
180970078	2013	12	4	3	V	0.03	-999	4.26	143
180970078	2013	12	4	4	V	0.03	-999	4.15	159
180970078	2013	12	4	5	V	0.03	-999	4.36	163
180970078	2013	12	4	6	V	0.03	-999	3.83	134

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	4	7	V	0.03	-999	4.41	132
180970078	2013	12	4	8	V	0.06	-999	3.88	144
180970078	2013	12	4	9	V	0.07	-999	3.9	132
180970078	2013	12	4	10	V	0.04	-999	4.71	135
180970078	2013	12	4	11	V	0.03	-999	5.12	128
180970078	2013	12	4	12	V	0.02	-999	5.87	132
180970078	2013	12	4	13	V	0.01	-999	6.46	142
180970078	2013	12	4	14	V	0.02	-999	5.38	156
180970078	2013	12	4	15	V	0.03	-999	5.48	163
180970078	2013	12	4	16	V	0.03	-999	5.62	161
180970078	2013	12	4	17	V	0.03	-999	5.04	148
180970078	2013	12	4	18	V	0.03	-999	4.14	146
180970078	2013	12	4	19	V	0.03	-999	3.76	143
180970078	2013	12	4	20	V	0.03	-999	4.17	142
180970078	2013	12	4	21	V	0.03	-999	4.14	165
180970078	2013	12	4	22	V	0.02	-999	5.22	192
180970078	2013	12	4	23	V	16.1	-999	5.62	214
180970078	2013	12	4	24	V	3.1	-999	6.96	226
180970078	2013	12	5	1	V	13.7	-999	5.34	218
180970078	2013	12	5	2	V	0.2	-999	7.14	235
180970078	2013	12	5	3	V	0.02	-999	6.77	273
180970078	2013	12	5	4	V	0.02	-999	5.63	269
180970078	2013	12	5	5	V	0.02	-999	6.3	277
180970078	2013	12	5	6	V	0.02	-999	5.84	285
180970078	2013	12	5	7	V	0.02	-999	6.6	284
180970078	2013	12	5	8	V	0.03	-999	6.96	280
180970078	2013	12	5	9	V	0.01	-999	6.6	297
180970078	2013	12	5	10	V	0.01	-999	7.06	296
180970078	2013	12	5	11	V	0.01	-999	6.41	297
180970078	2013	12	5	12	V	0.01	-999	6.62	299
180970078	2013	12	5	13	V	0.01	-999	5.29	297
180970078	2013	12	5	14	V	0.02	-999	5.36	297
180970078	2013	12	5	15	V	0.03	-999	6.04	309
180970078	2013	12	5	16	V	0.03	-999	5.34	301
180970078	2013	12	5	17	V	0.03	-999	4.95	301
180970078	2013	12	5	18	V	0.03	-999	3.85	311
180970078	2013	12	5	19	V	0.03	-999	5.9	318
180970078	2013	12	5	20	V	0.02	-999	6.26	316
180970078	2013	12	5	21	V	0.03	-999	5.84	315
180970078	2013	12	5	22	V	0.03	-999	4.07	319
180970078	2013	12	5	23	V	0.03	-999	5.36	326
180970078	2013	12	5	24	V	0.03	-999	4.36	310
180970078	2013	12	6	1	V	0.03	-999	4.14	322
180970078	2013	12	6	2	V	0.03	-999	4.66	325
180970078	2013	12	6	3	V	0.03	-999	4.92	326
180970078	2013	12	6	4	V	0.03	-999	4.29	333

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	6	5	V	0.03	-999	4.49	328
180970078	2013	12	6	6	V	0.03	-999	3.85	352
180970078	2013	12	6	7	V	0.03	-999	4.9	347
180970078	2013	12	6	8	V	0.05	-999	4.66	346
180970078	2013	12	6	9	V	0.02	-999	4.32	353
180970078	2013	12	6	10	V	0.02	-999	4.46	352
180970078	2013	12	6	11	V	0.02	-999	4.6	342
180970078	2013	12	6	12	V	0.03	-999	3.78	7
180970078	2013	12	6	13	V	0.03	-999	3.9	5
180970078	2013	12	6	14	V	0.01	-999	4.78	349
180970078	2013	12	6	15	V	0.03	-999	6.41	340
180970078	2013	12	6	16	V	0.03	-999	4.95	348
180970078	2013	12	6	17	V	0.03	-999	5.56	339
180970078	2013	12	6	18	V	0.03	-999	5.41	337
180970078	2013	12	6	19	V	0.03	-999	5.07	329
180970078	2013	12	6	20	V	0.03	-999	4.68	334
180970078	2013	12	6	21	V	0.03	-999	4.63	326
180970078	2013	12	6	22	V	0.03	-999	5.12	325
180970078	2013	12	6	23	V	0.03	-999	5.53	332
180970078	2013	12	6	24	V	0.02	-999	5.12	326
180970078	2013	12	7	1	V	0.02	-999	5.09	314
180970078	2013	12	7	2	V	0.02	-999	5.7	322
180970078	2013	12	7	3	V	0.02	-999	4.56	317
180970078	2013	12	7	4	V	0.02	-999	4.66	318
180970078	2013	12	7	5	V	0.02	-999	4.09	315
180970078	2013	12	7	6	V	0.02	-999	4.73	325
180970078	2013	12	7	7	V	0.02	-999	3.68	328
180970078	2013	12	7	8	V	0.1	-999	3.18	338
180970078	2013	12	7	9	V	0.2	-999	3.64	333
180970078	2013	12	7	10	V	0.07	-999	4.14	341
180970078	2013	12	7	11	V	0.2	-999	2.78	331
180970078	2013	12	7	12	V	0.3	-999	2.11	324
180970078	2013	12	7	13	V	0.1	-999	3.37	1
180970078	2013	12	7	14	V	0.07	-999	3.23	14
180970078	2013	12	7	15	V	0.04	-999	2.78	8
180970078	2013	12	7	16	V	0.03	-999	3.47	351
180970078	2013	12	7	17	V	0.03	-999	3.91	19
180970078	2013	12	7	18	V	0.03	-999	3.03	17
180970078	2013	12	7	19	V	0.1	-999	1.6	15
180970078	2013	12	7	20	V	0.2	-999	1.47	41
180970078	2013	12	7	21	V	0.1	-999	1.59	29
180970078	2013	12	7	22	V	0.05	-999	2.32	37
180970078	2013	12	7	23	V	0.03	-999	3.12	61
180970078	2013	12	7	24	V	0.03	-999	3.12	73
180970078	2013	12	8	1	V	0.03	-999	3.71	73
180970078	2013	12	8	2	V	0.03	0.6	4.2	89

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	8	3	V	0.03	0	4.56	87
180970078	2013	12	8	4	V	0.03	0.1	4.95	83
180970078	2013	12	8	5	V	0.03	0	4.61	75
180970078	2013	12	8	6	V	0.03	0	5.11	70
180970078	2013	12	8	7	V	0.03	0	5.34	51
180970078	2013	12	8	8	V	0.04	0	5.87	59
180970078	2013	12	8	9	V	0.02	0.1	5.92	67
180970078	2013	12	8	10	V	0.01	0.2	6.52	74
180970078	2013	12	8	11	V	0.01	0.1	6.47	76
180970078	2013	12	8	12	V	0.02	0.7	6.38	88
180970078	2013	12	8	13	V	0.02	1.1	6.38	90
180970078	2013	12	8	14	V	0.02	0.2	5.97	91
180970078	2013	12	8	15	V	0.03	1.8	5.75	89
180970078	2013	12	8	16	V	0.03	2.6	5.84	100
180970078	2013	12	8	17	V	0.03	1	4.95	104
180970078	2013	12	8	18	V	0.03	1.1	4.54	110
180970078	2013	12	8	19	V	0.03	1.5	4.68	118
180970078	2013	12	8	20	V	0.03	0.8	3.71	123
180970078	2013	12	8	21	V	0.03	1.1	3.3	161
180970078	2013	12	8	22	V	0.03	0.7	3.8	167
180970078	2013	12	8	23	V	0.03	2.4	3.76	193
180970078	2013	12	8	24	V	8.2	3.4	4.29	207
180970078	2013	12	9	1	V	1.7	8.2	5.39	229
180970078	2013	12	9	2	V	0.1	3	6.58	242
180970078	2013	12	9	3	V	0.2	1.4	7.13	247
180970078	2013	12	9	4	V	0.1	3	7.04	252
180970078	2013	12	9	5	V	0.1	2.6	7.31	253
180970078	2013	12	9	6	V	0.1	2.4	7.2	254
180970078	2013	12	9	7	V	0.1	2.3	6.64	255
180970078	2013	12	9	8	V	0.07	2.3	6.21	258
180970078	2013	12	9	9	V	0.02	2.1	6.11	266
180970078	2013	12	9	10	V	0.01	1.5	7.96	270
180970078	2013	12	9	11	V	0.01	2	6.45	277
180970078	2013	12	9	12	V	0.01	2.5	6.16	265
180970078	2013	12	9	13	V	0.01	1.4	7.98	259
180970078	2013	12	9	14	V	0.01	1.9	8.16	257
180970078	2013	12	9	15	V	0.03	2.2	6.45	269
180970078	2013	12	9	16	V	0.02	1.2	6.53	267
180970078	2013	12	9	17	V	0.02	1.4	5.67	280
180970078	2013	12	9	18	V	0.02	1.8	5.53	274
180970078	2013	12	9	19	V	0.02	1.5	5.84	269
180970078	2013	12	9	20	V	0.03	1.3	4.17	272
180970078	2013	12	9	21	V	0.03	1.4	3.41	275
180970078	2013	12	9	22	V	0.03	2.2	4.25	286
180970078	2013	12	9	23	V	0.03	1.2	4.42	284
180970078	2013	12	9	24	V	0.03	1.3	3.93	286

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	10	1	V	0.03	0.3	2.79	281
180970078	2013	12	10	2	V	0.04	1.5	2.39	273
180970078	2013	12	10	3	V	0.03	1.5	3.06	289
180970078	2013	12	10	4	V	0.03	0.6	3.76	303
180970078	2013	12	10	5	V	0.03	1.7	3.51	307
180970078	2013	12	10	6	V	0.03	1.2	3.23	277
180970078	2013	12	10	7	V	0.03	0.7	4.24	290
180970078	2013	12	10	8	V	0.1	1	3.17	284
180970078	2013	12	10	9	V	3.6	0.7	3.03	232
180970078	2013	12	10	10	V	4.2	8.3	5.5	204
180970078	2013	12	10	11	V	3.7	18.7	7.65	221
180970078	2013	12	10	12	V	0.7	6.8	9.1	228
180970078	2013	12	10	13	V	0.08	3.8	9.44	233
180970078	2013	12	10	14	V	0.02	2.8	10.92	245
180970078	2013	12	10	15	V	0.1	3.8	9.39	248
180970078	2013	12	10	16	V	0.1	4.7	7.98	243
180970078	2013	12	10	17	V	0.1	4.1	6.74	236
180970078	2013	12	10	18	V	0.7	3	6.79	230
180970078	2013	12	10	19	V	0.2	1.8	6.21	233
180970078	2013	12	10	20	V	0.8	2	3.98	229
180970078	2013	12	10	21	V	10.4	1.3	3.32	222
180970078	2013	12	10	22	V	0.07	1.4	3.71	236
180970078	2013	12	10	23	V	0.4	1.4	3.64	249
180970078	2013	12	10	24	V	3.7	1.7	3.49	225
180970078	2013	12	11	1	V	0.9	1.4	2.78	229
180970078	2013	12	11	2	V	1.1	0.8	2.21	230
180970078	2013	12	11	3	V	21.0	1.6	2.3	218
180970078	2013	12	11	4	V	7.9	1.3	2.23	224
180970078	2013	12	11	5	V	0.1	1.9	1.64	163
180970078	2013	12	11	6	V	0.04	3.2	2.57	159
180970078	2013	12	11	7	V	0.03	2.2	3.17	178
180970078	2013	12	11	8	V	0.3	1.6	2.86	190
180970078	2013	12	11	9	V	0.2	1.9	2.84	183
180970078	2013	12	11	10	V	8.7	5.5	3.39	203
180970078	2013	12	11	11	V	7.4	13.4	4.29	204
180970078	2013	12	11	12	V	1.5	20.1	4.02	234
180970078	2013	12	11	13	V	0.07	9.1	5.62	254
180970078	2013	12	11	14	V	0.01	5.8	7.52	292
180970078	2013	12	11	15	V	0.02	4.8	7.09	301
180970078	2013	12	11	16	V	0.02	3.2	7.59	317
180970078	2013	12	11	17	V	0.02	1.4	6.58	309
180970078	2013	12	11	18	V	0.02	1.3	6.35	315
180970078	2013	12	11	19	V	0.03	1.7	5.53	305
180970078	2013	12	11	20	V	0.02	1.2	7.72	307
180970078	2013	12	11	21	V	0.02	1.3	3.98	312
180970078	2013	12	11	22	V	0.02	0.7	4.14	314

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	11	23	V	0.02	0.5	3.97	308
180970078	2013	12	11	24	V	0.02	1	4.24	306
180970078	2013	12	12	1	V	0.02	1.1	4.03	306
180970078	2013	12	12	2	V	0.02	0.4	4.03	308
180970078	2013	12	12	3	V	0.03	0.9	2.76	297
180970078	2013	12	12	4	V	0.03	0.8	3.35	289
180970078	2013	12	12	5	V	0.03	0.9	3.24	271
180970078	2013	12	12	6	V	0.3	0.9	2.64	252
180970078	2013	12	12	7	V	0.4	0.9	2.11	247
180970078	2013	12	12	8	V	0.2	1.2	2.98	246
180970078	2013	12	12	9	V	24.2	0.8	2.67	210
180970078	2013	12	12	10	V	11.9	3.8	3.49	224
180970078	2013	12	12	11	V	22.1	21.6	3.61	218
180970078	2013	12	12	12	V	23.1	32.7	3.64	210
180970078	2013	12	12	13	V	4.6	39.8	3.73	200
180970078	2013	12	12	14	V	0.7	28.9	6.77	230
180970078	2013	12	12	15	V	2.8	28.3	6.96	227
180970078	2013	12	12	16	V	4.3	21.7	5.99	225
180970078	2013	12	12	17	V	19.1	36.7	4.9	211
180970078	2013	12	12	18	V	10.4	33.7	5.45	208
180970078	2013	12	12	19	V	21.4	24.8	4.46	212
180970078	2013	12	12	20	V	0.4	45	3.25	248
180970078	2013	12	12	21	V	0.6	20.1	4.53	231
180970078	2013	12	12	22	V	14.0	14.7	4.6	219
180970078	2013	12	12	23	V	13.5	15.3	4.73	219
180970078	2013	12	12	24	V	26.0	25.4	3.3	213
180970078	2013	12	13	1	V	0.1	32.4	2.49	200
180970078	2013	12	13	2	V	10.5	24.8	3.29	222
180970078	2013	12	13	3	V	1.1	18.9	2.86	206
180970078	2013	12	13	4	V	0.02	15.8	2.69	192
180970078	2013	12	13	5	V	0.01	14.1	3.18	194
180970078	2013	12	13	6	V	2.4	9.6	4.02	210
180970078	2013	12	13	7	V	0.3	9.2	3.07	204
180970078	2013	12	13	8	V	0.6	10.5	2.66	198
180970078	2013	12	13	9	V	0.2	9.5	2.28	187
180970078	2013	12	13	10	V	0.3	13.2	2.47	188
180970078	2013	12	13	11	V	5.7	20.5	3.42	209
180970078	2013	12	13	12	V	0.2	25.5	2.93	190
180970078	2013	12	13	13	V	0.09	24.8	2.84	168
180970078	2013	12	13	14	V	0.03	15	4	178
180970078	2013	12	13	15	V	0.02	7.3	4.24	170
180970078	2013	12	13	16	V	0.02	6.1	3.25	149
180970078	2013	12	13	17	V	0.01	5.3	3.03	140
180970078	2013	12	13	18	V	0.02	5.7	2.79	154
180970078	2013	12	13	19	V	0.02	6.9	4.41	196
180970078	2013	12	13	20	V	1.0	6.2	4.73	205

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	13	21	V	0.01	2.4	3.15	147
180970078	2013	12	13	22	V	0.01	2.6	3.49	127
180970078	2013	12	13	23	V	0.01	-999	4.07	122
180970078	2013	12	13	24	V	0.01	-999	3.9	132
180970078	2013	12	14	1	V	0.01	-999	4.12	125
180970078	2013	12	14	2	V	0.01	-999	4.54	123
180970078	2013	12	14	3	V	0.01	-999	3.51	110
180970078	2013	12	14	4	V	0.01	-999	3.3	110
180970078	2013	12	14	5	V	0.01	-999	4.03	105
180970078	2013	12	14	6	V	0.02	-999	4.14	112
180970078	2013	12	14	7	V	0.02	-999	3.73	113
180970078	2013	12	14	8	V	0.02	-999	4.7	106
180970078	2013	12	14	9	V	0.01	-999	4.82	105
180970078	2013	12	14	10	V	0.02	-999	4.68	97
180970078	2013	12	14	11	V	0.03	-999	4.09	81
180970078	2013	12	14	12	V	0.04	-999	3.64	87
180970078	2013	12	14	13	V	0.1	-999	2.08	60
180970078	2013	12	14	14	V	0.05	-999	2.16	28
180970078	2013	12	14	15	V	0.02	-999	2.84	341
180970078	2013	12	14	16	V	0.01	-999	3.32	323
180970078	2013	12	14	17	V	0.01	-999	3.51	327
180970078	2013	12	14	18	V	0.01	-999	5.96	320
180970078	2013	12	14	19	V	0.01	-999	6.38	318
180970078	2013	12	14	20	V	0.01	-999	6.57	318
180970078	2013	12	14	21	V	0.02	-999	7.31	316
180970078	2013	12	14	22	V	0.02	-999	7.15	305
180970078	2013	12	14	23	V	0.02	-999	6.72	307
180970078	2013	12	14	24	V	0.02	-999	6.69	309
180970078	2013	12	15	1	V	0.02	-999	6.36	305
180970078	2013	12	15	2	V	0.02	-999	7.13	301
180970078	2013	12	15	3	V	0.02	-999	8.01	298
180970078	2013	12	15	4	V	0.01	-999	7.69	295
180970078	2013	12	15	5	V	0.01	-999	6.43	294
180970078	2013	12	15	6	V	0.01	-999	6.86	287
180970078	2013	12	15	7	V	0.01	-999	7.3	274
180970078	2013	12	15	8	V	0.04	-999	8.06	258
180970078	2013	12	15	9	V	0.004	-999	8.22	262
180970078	2013	12	15	10	V	0.003	-999	10.05	268
180970078	2013	12	15	11	V	0.004	-999	8.44	264
180970078	2013	12	15	12	V	0.01	-999	8.78	257
180970078	2013	12	15	13	V	0.03	-999	8.49	250
180970078	2013	12	15	14	V	0.1	-999	8.47	251
180970078	2013	12	15	15	V	0.1	-999	7.93	252
180970078	2013	12	15	16	V	0.2	-999	7.11	249
180970078	2013	12	15	17	V	0.2	-999	6.5	249
180970078	2013	12	15	18	V	0.1	-999	6.67	244

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	15	19	V	0.2	-999	6.09	250
180970078	2013	12	15	20	V	0.2	-999	5.77	248
180970078	2013	12	15	21	V	0.08	-999	5.02	239
180970078	2013	12	15	22	V	0.2	-999	4.66	247
180970078	2013	12	15	23	V	0.2	-999	3.61	251
180970078	2013	12	15	24	V	0.02	-999	2.61	271
180970078	2013	12	16	1	V	0.03	-999	2.03	291
180970078	2013	12	16	2	V	0.03	-999	1.99	305
180970078	2013	12	16	3	V	0.04	-999	1.69	342
180970078	2013	12	16	4	V	0.03	-999	1.96	37
180970078	2013	12	16	5	V	0.02	-999	2.69	43
180970078	2013	12	16	6	V	0.02	-999	2.88	37
180970078	2013	12	16	7	V	0.02	-999	3.71	43
180970078	2013	12	16	8	V	0.02	-999	4.66	41
180970078	2013	12	16	9	V	0.04	-999	3.52	58
180970078	2013	12	16	10	V	0.05	-999	3.52	71
180970078	2013	12	16	11	V	0.04	-999	3.63	81
180970078	2013	12	16	12	V	0.06	-999	3.1	59
180970078	2013	12	16	13	V	0.05	-999	3.22	53
180970078	2013	12	16	14	V	0.05	-999	2.61	82
180970078	2013	12	16	15	V	0.02	-999	2.33	52
180970078	2013	12	16	16	V	0.02	-999	2.69	83
180970078	2013	12	16	17	V	0.04	-999	1.72	125
180970078	2013	12	16	18	V	0.06	-999	1.45	157
180970078	2013	12	16	19	V	0.06	-999	1.52	166
180970078	2013	12	16	20	V	0.02	-999	2.23	135
180970078	2013	12	16	21	V	0.02	-999	2.42	174
180970078	2013	12	16	22	V	0.05	-999	1.96	240
180970078	2013	12	16	23	V	0.02	-999	2.83	289
180970078	2013	12	16	24	V	0.03	-999	4.03	303
180970078	2013	12	17	1	V	0.02	-999	5.79	297
180970078	2013	12	17	2	V	0.02	-999	5.41	305
180970078	2013	12	17	3	V	0.02	-999	5.39	326
180970078	2013	12	17	4	V	0.03	-999	4.07	311
180970078	2013	12	17	5	V	0.03	-999	4.7	290
180970078	2013	12	17	6	V	0.03	-999	4.48	283
180970078	2013	12	17	7	V	0.03	-999	4.41	285
180970078	2013	12	17	8	V	0.04	-999	4.42	263
180970078	2013	12	17	9	V	0.04	-999	4.7	289
180970078	2013	12	17	10	V	0.03	-999	5.53	267
180970078	2013	12	17	11	V	0.07	-999	4.66	259
180970078	2013	12	17	12	V	0.1	-999	4.73	240
180970078	2013	12	17	13	V	0.5	-999	5.05	233
180970078	2013	12	17	14	V	0.06	-999	6.04	238
180970078	2013	12	17	15	V	0.1	-999	6.55	242
180970078	2013	12	17	16	V	0.09	-999	7.18	241

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	17	17	V	0.2	-999	6.94	247
180970078	2013	12	17	18	V	0.2	-999	5.99	250
180970078	2013	12	17	19	V	0.2	-999	6.43	245
180970078	2013	12	17	20	V	0.1	-999	5.33	236
180970078	2013	12	17	21	V	0.1	-999	5.41	235
180970078	2013	12	17	22	V	0.2	-999	4.97	235
180970078	2013	12	17	23	V	0.06	-999	4.51	239
180970078	2013	12	17	24	V	0.08	-999	4.12	236
180970078	2013	12	18	1	V	0.2	-999	4.71	245
180970078	2013	12	18	2	V	0.1	-999	4.8	255
180970078	2013	12	18	3	V	0.1	-999	4.44	255
180970078	2013	12	18	4	V	0.03	-999	4.41	260
180970078	2013	12	18	5	V	0.2	-999	4.12	253
180970078	2013	12	18	6	V	0.2	-999	4.7	251
180970078	2013	12	18	7	V	0.2	-999	4.71	246
180970078	2013	12	18	8	V	0.09	-999	4.19	239
180970078	2013	12	18	9	V	0.2	-999	3.83	243
180970078	2013	12	18	10	V	0.6	-999	4.15	236
180970078	2013	12	18	11	V	2.0	-999	3.23	235
180970078	2013	12	18	12	V	5.2	-999	4.14	228
180970078	2013	12	18	13	V	0.3	-999	3.35	246
180970078	2013	12	18	14	V	25.4	-999	2.81	218
180970078	2013	12	18	15	V	0.03	-999	4.65	173
180970078	2013	12	18	16	V	0.02	-999	5.77	175
180970078	2013	12	18	17	V	0.02	-999	5.43	163
180970078	2013	12	18	18	V	0.02	-999	5.63	165
180970078	2013	12	18	19	V	0.02	-999	5.87	167
180970078	2013	12	18	20	V	0.03	-999	5.27	175
180970078	2013	12	18	21	V	0.02	-999	5.58	183
180970078	2013	12	18	22	V	0.02	-999	5.56	190
180970078	2013	12	18	23	V	0.2	-999	6.86	199
180970078	2013	12	18	24	V	0.02	-999	4.43	195
180970078	2013	12	19	1	V	0.02	-999	5.29	188
180970078	2013	12	19	2	V	16.6	-999	6.46	215
180970078	2013	12	19	3	V	2.8	-999	8.85	226
180970078	2013	12	19	4	V	2.2	-999	9.05	227
180970078	2013	12	19	5	V	2.1	-999	8.78	227
180970078	2013	12	19	6	V	1.1	-999	8.81	229
180970078	2013	12	19	7	V	10.1	-999	6.96	220
180970078	2013	12	19	8	V	4.4	-999	5.36	205
180970078	2013	12	19	9	V	7.3	-999	5.96	208
180970078	2013	12	19	10	V	0.08	-999	4.86	191
180970078	2013	12	19	11	V	9.1	-999	5.36	208
180970078	2013	12	19	12	V	13.5	-999	5.36	210
180970078	2013	12	19	13	V	18.1	-999	4.86	212
180970078	2013	12	19	14	V	0.1	-999	5.96	197

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	19	15	V	0.04	-999	3.86	181
180970078	2013	12	19	16	V	0.04	-999	4.12	173
180970078	2013	12	19	17	V	0.04	-999	4.82	179
180970078	2013	12	19	18	V	0.03	-999	5.73	178
180970078	2013	12	19	19	V	0.03	-999	5	180
180970078	2013	12	19	20	V	0.04	-999	3.73	178
180970078	2013	12	19	21	V	0.04	-999	3.93	175
180970078	2013	12	19	22	V	0.04	-999	4.25	164
180970078	2013	12	19	23	V	0.03	-999	5.85	186
180970078	2013	12	19	24	V	0.03	-999	5.85	188
180970078	2013	12	20	1	V	0.03	-999	5.24	182
180970078	2013	12	20	2	V	0.03	-999	4.87	177
180970078	2013	12	20	3	V	0.06	-999	5.9	195
180970078	2013	12	20	4	V	0.9	-999	7.59	200
180970078	2013	12	20	5	V	8.2	-999	9.13	207
180970078	2013	12	20	6	V	12.9	-999	9.56	210
180970078	2013	12	20	7	V	16.9	-999	8.57	213
180970078	2013	12	20	8	V	12.9	-999	8.27	209
180970078	2013	12	20	9	V	2.7	-999	6.7	205
180970078	2013	12	20	10	V	0.9	-999	7.28	202
180970078	2013	12	20	11	V	0.4	-999	6.92	200
180970078	2013	12	20	12	V	0.5	-999	7.65	201
180970078	2013	12	20	13	V	4.5	-999	8.06	209
180970078	2013	12	20	14	V	6.1	-999	8.59	212
180970078	2013	12	20	15	V	11.7	-999	7.23	208
180970078	2013	12	20	16	V	8.0	-999	6.79	206
180970078	2013	12	20	17	V	8.3	-999	6.38	206
180970078	2013	12	20	18	V	1.5	-999	6.01	201
180970078	2013	12	20	19	V	18.0	-999	5.9	210
180970078	2013	12	20	20	V	18.4	-999	6.26	216
180970078	2013	12	20	21	V	8.4	-999	5.56	206
180970078	2013	12	20	22	V	0.6	-999	5.92	199
180970078	2013	12	20	23	V	0.3	-999	6.75	234
180970078	2013	12	20	24	V	0.03	-999	4.97	272
180970078	2013	12	21	1	V	0.1	-999	3.71	255
180970078	2013	12	21	2	V	0.03	-999	3.08	268
180970078	2013	12	21	3	V	0.03	-999	3.24	281
180970078	2013	12	21	4	V	0.07	-999	1.89	260
180970078	2013	12	21	5	V	0.03	-999	2.69	314
180970078	2013	12	21	6	V	0.03	-999	3.07	322
180970078	2013	12	21	7	V	0.03	-999	3.78	344
180970078	2013	12	21	8	V	0.04	-999	3.54	358
180970078	2013	12	21	9	V	0.09	-999	3.63	6
180970078	2013	12	21	10	V	0.05	-999	4.58	10
180970078	2013	12	21	11	V	0.07	-999	4.25	54
180970078	2013	12	21	12	V	0.2	-999	2.88	75

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	21	13	V	0.3	-999	2.45	53
180970078	2013	12	21	14	V	0.04	-999	4.46	343
180970078	2013	12	21	15	V	0.05	-999	3.61	9
180970078	2013	12	21	16	V	0.05	-999	4	23
180970078	2013	12	21	17	V	0.04	-999	5.16	52
180970078	2013	12	21	18	V	0.05	-999	3.92	61
180970078	2013	12	21	19	V	0.04	-999	4.31	45
180970078	2013	12	21	20	V	0.04	-999	4.54	37
180970078	2013	12	21	21	V	0.04	-999	4.73	27
180970078	2013	12	21	22	V	0.04	-999	5.72	36
180970078	2013	12	21	23	V	0.04	-999	3.68	52
180970078	2013	12	21	24	V	0.04	-999	3.76	47
180970078	2013	12	22	1	V	0.03	-999	6.31	24
180970078	2013	12	22	2	V	0.03	-999	5.17	298
180970078	2013	12	22	3	V	0.06	-999	1.96	152
180970078	2013	12	22	4	V	12.6	-999	7.57	219
180970078	2013	12	22	5	V	0.1	-999	8.44	237
180970078	2013	12	22	6	V	0.4	-999	7.76	233
180970078	2013	12	22	7	V	0.8	-999	8.88	231
180970078	2013	12	22	8	V	1.2	-999	8.69	230
180970078	2013	12	22	9	V	0.4	-999	8.93	230
180970078	2013	12	22	10	V	1.2	-999	8.5	226
180970078	2013	12	22	11	V	0.08	-999	8.78	234
180970078	2013	12	22	12	V	0.2	-999	8.59	232
180970078	2013	12	22	13	V	2.3	-999	8.64	223
180970078	2013	12	22	14	V	0.2	-999	7.86	232
180970078	2013	12	22	15	V	0.1	-999	7.21	242
180970078	2013	12	22	16	V	0.2	-999	6.96	247
180970078	2013	12	22	17	V	0.05	-999	6.38	260
180970078	2013	12	22	18	V	0.03	-999	5.58	266
180970078	2013	12	22	19	V	0.06	-999	4.12	259
180970078	2013	12	22	20	V	0.09	-999	4.63	257
180970078	2013	12	22	21	V	0.03	-999	6.36	274
180970078	2013	12	22	22	V	0.03	-999	6.01	283
180970078	2013	12	22	23	V	0.03	-999	6.26	280
180970078	2013	12	22	24	V	0.03	-999	5.97	289
180970078	2013	12	23	1	V	0.03	-999	5.9	294
180970078	2013	12	23	2	V	0.03	-999	6.23	287
180970078	2013	12	23	3	V	0.03	-999	6.02	289
180970078	2013	12	23	4	V	0.03	-999	6.6	289
180970078	2013	12	23	5	V	0.03	-999	6.23	290
180970078	2013	12	23	6	V	0.03	-999	5.48	290
180970078	2013	12	23	7	V	0.03	-999	6.43	292
180970078	2013	12	23	8	V	0.04	-999	5.56	289
180970078	2013	12	23	9	V	0.01	-999	7.43	280
180970078	2013	12	23	10	V	0.02	-999	5.38	295

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	23	11	V	0.02	-999	5.95	278
180970078	2013	12	23	12	V	0.03	-999	5.33	287
180970078	2013	12	23	13	V	0.03	-999	4.97	279
180970078	2013	12	23	14	V	0.02	-999	5.5	257
180970078	2013	12	23	15	V	0.05	-999	5.94	261
180970078	2013	12	23	16	V	0.04	-999	5.72	263
180970078	2013	12	23	17	V	0.2	-999	5.38	253
180970078	2013	12	23	18	V	0.2	-999	4.8	245
180970078	2013	12	23	19	V	0.3	-999	4.73	248
180970078	2013	12	23	20	V	0.03	-999	5.29	264
180970078	2013	12	23	21	V	0.03	-999	6.84	283
180970078	2013	12	23	22	V	0.03	-999	7.35	288
180970078	2013	12	23	23	V	0.03	-999	7.16	288
180970078	2013	12	23	24	V	0.03	0	6.58	299
180970078	2013	12	24	1	V	0.03	0.8	6.41	300
180970078	2013	12	24	2	V	0.03	0.3	6.12	286
180970078	2013	12	24	3	V	0.03	0	6.28	273
180970078	2013	12	24	4	V	0.03	0	6.8	273
180970078	2013	12	24	5	V	0.03	0.2	6.01	278
180970078	2013	12	24	6	V	0.03	0.4	5.77	286
180970078	2013	12	24	7	V	0.04	0	5.16	305
180970078	2013	12	24	8	V	0.02	0.1	5.41	294
180970078	2013	12	24	9	V	0.05	0.1	4.78	276
180970078	2013	12	24	10	V	0.08	0.1	4.39	279
180970078	2013	12	24	11	V	0.1	0.5	3.9	275
180970078	2013	12	24	12	V	0.2	0.4	3.22	277
180970078	2013	12	24	13	V	0.2	0	3.08	268
180970078	2013	12	24	14	V	0.3	1.1	2.5	240
180970078	2013	12	24	15	V	0.5	0.6	1.82	248
180970078	2013	12	24	16	V	4.8	1.9	1.57	202
180970078	2013	12	24	17	V	0.5	8.3	1.14	149
180970078	2013	12	24	18	V	0.08	22.5	2.1	167
180970078	2013	12	24	19	V	0.05	6.3	2.55	131
180970078	2013	12	24	20	V	0.03	1.9	3.15	137
180970078	2013	12	24	21	V	0.04	1.4	2.89	131
180970078	2013	12	24	22	V	0.03	0.7	3.81	133
180970078	2013	12	24	23	V	0.03	0.3	4	135
180970078	2013	12	24	24	V	0.04	0.5	4.8	135
180970078	2013	12	25	1	V	0.04	0.7	4.07	152
180970078	2013	12	25	2	V	0.04	1.2	4.05	168
180970078	2013	12	25	3	V	0.04	0.7	4.36	156
180970078	2013	12	25	4	V	0.04	0.9	4.44	150
180970078	2013	12	25	5	V	0.04	1.1	5.21	159
180970078	2013	12	25	6	V	0.04	1.3	5.72	165
180970078	2013	12	25	7	V	0.04	0.7	5.7	165
180970078	2013	12	25	8	V	0.04	1.1	6.18	171

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	25	9	V	0.02	0.5	6.24	171
180970078	2013	12	25	10	V	0.03	0.3	5.72	177
180970078	2013	12	25	11	V	0.02	1.8	6.5	183
180970078	2013	12	25	12	V	0.05	2.1	5.99	198
180970078	2013	12	25	13	V	16.6	10.9	5.38	214
180970078	2013	12	25	14	V	9.5	12	4.73	210
180970078	2013	12	25	15	V	25.5	14.7	4.95	212
180970078	2013	12	25	16	V	12.2	10.6	4.83	221
180970078	2013	12	25	17	V	12.1	5.7	4.9	221
180970078	2013	12	25	18	V	14.0	4.5	4.94	220
180970078	2013	12	25	19	V	27.1	5.5	3.97	211
180970078	2013	12	25	20	V	30.7	11.8	3.69	214
180970078	2013	12	25	21	V	20.8	4.2	4.05	209
180970078	2013	12	25	22	V	24.3	5.2	4.27	210
180970078	2013	12	25	23	V	6.4	3.5	5.43	224
180970078	2013	12	25	24	V	0.9	2.9	5.73	231
180970078	2013	12	26	1	V	0.2	1.9	7.04	235
180970078	2013	12	26	2	V	0.1	1.4	7.99	254
180970078	2013	12	26	3	V	0.03	1.1	7.67	267
180970078	2013	12	26	4	V	0.03	1.4	7.43	267
180970078	2013	12	26	5	V	0.03	1.1	6.13	265
180970078	2013	12	26	6	V	0.02	1.8	8.03	277
180970078	2013	12	26	7	V	0.03	0.7	5.38	273
180970078	2013	12	26	8	V	0.1	1	4.17	260
180970078	2013	12	26	9	V	0.2	0.6	4.27	258
180970078	2013	12	26	10	V	0.07	1.1	5.04	266
180970078	2013	12	26	11	V	0.03	0.9	6.36	273
180970078	2013	12	26	12	V	0.09	1.2	5	258
180970078	2013	12	26	13	V	0.2	1	4.03	245
180970078	2013	12	26	14	V	5.0	0.5	3.4	226
180970078	2013	12	26	15	V	17.2	1.4	3.71	220
180970078	2013	12	26	16	V	18.3	9.6	2.89	220
180970078	2013	12	26	17	V	46.3	16.7	3.17	210
180970078	2013	12	26	18	V	0.8	13.3	3.93	201
180970078	2013	12	26	19	V	1.0	5.3	4.09	200
180970078	2013	12	26	20	V	0.8	2.8	3.83	200
180970078	2013	12	26	21	V	0.1	1.1	4.34	198
180970078	2013	12	26	22	V	6.8	1.6	4.88	204
180970078	2013	12	26	23	V	2.2	2.5	4.75	202
180970078	2013	12	26	24	V	46.1	6.1	3.88	211
180970078	2013	12	27	1	V	33.7	19.2	4.75	210
180970078	2013	12	27	2	V	11.2	39.7	5.29	205
180970078	2013	12	27	3	V	18.5	54.4	4.48	207
180970078	2013	12	27	4	V	36.1	47.9	3.97	210
180970078	2013	12	27	5	V	0.9	9.2	4.32	229
180970078	2013	12	27	6	V	11.8	5.8	4.24	221

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	27	7	V	4.4	4	4.36	225
180970078	2013	12	27	8	V	30.0	5.6	3.58	215
180970078	2013	12	27	9	V	12.1	8.5	3.06	226
180970078	2013	12	27	10	V	0.8	7.7	3.86	237
180970078	2013	12	27	11	V	10.2	5.7	4.17	225
180970078	2013	12	27	12	V	5.9	6.5	3.85	229
180970078	2013	12	27	13	V	33.1	11.9	3.52	219
180970078	2013	12	27	14	V	10.2	60.3	3.56	201
180970078	2013	12	27	15	V	7.2	43.9	4.9	224
180970078	2013	12	27	16	V	5.3	32.6	6.07	224
180970078	2013	12	27	17	V	4.6	25.9	5.17	225
180970078	2013	12	27	18	V	7.8	21	4.02	223
180970078	2013	12	27	19	V	4.2	11.9	3.83	225
180970078	2013	12	27	20	V	54.9	32.5	3.4	213
180970078	2013	12	27	21	V	32.6	13.1	4.19	216
180970078	2013	12	27	22	V	35.4	36.2	4.95	210
180970078	2013	12	27	23	V	35.2	-999	4.7	210
180970078	2013	12	27	24	V	31.5	-999	4.05	216
180970078	2013	12	28	1	V	22.7	46.1	4.17	217
180970078	2013	12	28	2	V	26.5	37.8	4.03	211
180970078	2013	12	28	3	V	17.8	30.6	4.19	211
180970078	2013	12	28	4	V	15.8	28.3	4.26	217
180970078	2013	12	28	5	V	2.2	18.1	4.54	227
180970078	2013	12	28	6	V	11.0	12.7	4.1	221
180970078	2013	12	28	7	V	9.6	11.1	3.76	222
180970078	2013	12	28	8	V	16.9	11.6	3.93	212
180970078	2013	12	28	9	V	0.2	12.3	3.03	184
180970078	2013	12	28	10	V	8.7	20.2	3.73	203
180970078	2013	12	28	11	V	6.5	20.8	3.3	201
180970078	2013	12	28	12	V	0.6	15	3.25	191
180970078	2013	12	28	13	V	0.2	25.4	4.15	189
180970078	2013	12	28	14	V	0.04	39.5	5.33	189
180970078	2013	12	28	15	V	17.5	43.3	5.73	215
180970078	2013	12	28	16	V	12.9	33.4	4.32	220
180970078	2013	12	28	17	V	0.03	14.2	5	193
180970078	2013	12	28	18	V	0.02	9.1	5.05	182
180970078	2013	12	28	19	V	0.03	5.3	4.43	182
180970078	2013	12	28	20	V	0.04	3.9	4.37	184
180970078	2013	12	28	21	V	0.05	4.3	3.54	184
180970078	2013	12	28	22	V	0.05	5	2.93	172
180970078	2013	12	28	23	V	0.05	5.6	2.57	177
180970078	2013	12	28	24	V	0.04	5.4	3.05	158
180970078	2013	12	29	1	V	0.05	3.6	2.4	172
180970078	2013	12	29	2	V	0.05	4	2.64	172
180970078	2013	12	29	3	V	0.05	4	2.2	154
180970078	2013	12	29	4	V	0.04	3.1	3.08	166

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	29	5	V	0.04	3.5	2.81	189
180970078	2013	12	29	6	V	0.04	4.7	2.64	194
180970078	2013	12	29	7	V	29.9	11.7	3.08	214
180970078	2013	12	29	8	V	18.4	11.1	3.06	209
180970078	2013	12	29	9	V	22.7	9.7	3.44	216
180970078	2013	12	29	10	V	26.4	19.7	3.95	219
180970078	2013	12	29	11	V	1.6	23.8	5.8	229
180970078	2013	12	29	12	V	0.06	8	6.74	247
180970078	2013	12	29	13	V	0.01	6.5	7.98	261
180970078	2013	12	29	14	V	0.01	4.4	8.98	283
180970078	2013	12	29	15	V	0.04	0.7	7.65	285
180970078	2013	12	29	16	V	0.04	1	6.64	283
180970078	2013	12	29	17	V	0.04	1	7.5	285
180970078	2013	12	29	18	V	0.05	1	5.92	276
180970078	2013	12	29	19	V	0.05	0.7	4.94	291
180970078	2013	12	29	20	V	0.04	1.2	6.6	319
180970078	2013	12	29	21	V	0.04	1.1	6.28	317
180970078	2013	12	29	22	V	0.05	1.6	5.82	316
180970078	2013	12	29	23	V	0.04	0.7	6.82	306
180970078	2013	12	29	24	V	0.04	0.4	6.99	303
180970078	2013	12	30	1	V	0.04	0.5	6.21	300
180970078	2013	12	30	2	V	0.04	0.3	6.47	303
180970078	2013	12	30	3	V	0.04	0.6	6.16	301
180970078	2013	12	30	4	V	0.04	0.2	5.75	297
180970078	2013	12	30	5	V	0.05	0.1	5.53	294
180970078	2013	12	30	6	V	0.05	0.8	4.73	292
180970078	2013	12	30	7	V	0.05	0.4	5.24	293
180970078	2013	12	30	8	V	0.1	0.5	4.2	305
180970078	2013	12	30	9	V	0.3	0.5	3.63	304
180970078	2013	12	30	10	V	0.3	0.8	2.66	307
180970078	2013	12	30	11	V	0.3	0.9	2.78	328
180970078	2013	12	30	12	V	0.5	0.8	2.18	311
180970078	2013	12	30	13	V	0.3	0.5	2.59	319
180970078	2013	12	30	14	V	0.4	1.3	2.03	262
180970078	2013	12	30	15	V	0.2	1.1	2.13	255
180970078	2013	12	30	16	V	0.1	1	2.28	240
180970078	2013	12	30	17	V	0.1	1	3.32	255
180970078	2013	12	30	18	V	0.06	1.3	3.2	258
180970078	2013	12	30	19	V	0.1	0.6	1.96	267
180970078	2013	12	30	20	V	0.4	0.6	2.28	251
180970078	2013	12	30	21	V	0.2	0.6	3.8	245
180970078	2013	12	30	22	V	34.5	1.4	3.95	216
180970078	2013	12	30	23	V	40.4	7.1	4.61	213
180970078	2013	12	30	24	V	1.3	2.5	4.9	230
180970078	2013	12	31	1	V	0.2	1	5.16	244
180970078	2013	12	31	2	V	0.2	2.1	5.45	249

Indianapolis SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
180970078	2013	12	31	3	V	0.2	1.8	5.41	251
180970078	2013	12	31	4	V	0.2	2.1	5.63	252
180970078	2013	12	31	5	V	0.2	2.2	5.24	252
180970078	2013	12	31	6	V	0.04	1.9	5.79	273
180970078	2013	12	31	7	V	0.04	1.1	6.19	292
180970078	2013	12	31	8	V	0.06	2	5.44	279
180970078	2013	12	31	9	V	0.04	1.3	6.4	269
180970078	2013	12	31	10	V	0.02	0.8	7.5	261
180970078	2013	12	31	11	V	0.02	2	7.54	260
180970078	2013	12	31	12	V	0.03	2.1	6.64	269
180970078	2013	12	31	13	V	0.04	2.1	5.85	262
180970078	2013	12	31	14	V	0.1	1.6	4.99	249
180970078	2013	12	31	15	V	2.0	1.4	4.77	230
180970078	2013	12	31	16	V	0.4	2.3	4.98	233
180970078	2013	12	31	17	V	0.09	3.5	3.86	240
180970078	2013	12	31	18	V	18.4	3.3	2.36	207
180970078	2013	12	31	19	V	0.07	4.6	2.36	183
180970078	2013	12	31	20	V	0.06	4.2	2.86	167
180970078	2013	12	31	21	V	0.05	4.1	2.86	159
180970078	2013	12	31	22	V	0.05	2.6	4.36	182
180970078	2013	12	31	23	V	0.06	6.1	2.36	354
180970078	2013	12	31	24	C	-999	4.3	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	1	1	V	2.4	0	3.37	339
401430175	2011	1	1	2	V	2.4	0	3.22	336
401430175	2011	1	1	3	V	1.9	0	2.64	336
401430175	2011	1	1	4	V	1.9	0	2.13	327
401430175	2011	1	1	5	V	2.1	0	2.5	321
401430175	2011	1	1	6	V	2.0	0	2.35	315
401430175	2011	1	1	7	V	1.7	0	1.65	306
401430175	2011	1	1	8	V	2.8	0	1.2	284
401430175	2011	1	1	9	V	2.1	0	1.65	284
401430175	2011	1	1	10	V	3.3	0	2.59	306
401430175	2011	1	1	11	V	3.6	0	2.3	307
401430175	2011	1	1	12	V	6.1	0	2.33	303
401430175	2011	1	1	13	V	6.7	0	2.95	300
401430175	2011	1	1	14	V	3.3	0	3.08	307
401430175	2011	1	1	15	V	2.3	0	3.08	313
401430175	2011	1	1	16	V	3.5	0	2.81	298
401430175	2011	1	1	17	V	3.4	0	2.06	297
401430175	2011	1	1	18	V	4.4	0	1.76	294
401430175	2011	1	1	19	V	3.6	0	1.06	304
401430175	2011	1	1	20	V	4.5	0	0.77	283
401430175	2011	1	1	21	V	4.8	0	0.77	276
401430175	2011	1	1	22	C	-999	0	0	0
401430175	2011	1	1	23	V	28.8	0	0.91	233
401430175	2011	1	1	24	V	23.6	0	0.62	240
401430175	2011	1	2	1	V	12.9	0	1.01	191
401430175	2011	1	2	2	V	26.3	0	0.7	197
401430175	2011	1	2	3	V	44.8	0	0.91	223
401430175	2011	1	2	4	V	39.7	0	0.74	210
401430175	2011	1	2	5	V	17.1	0	0.57	244
401430175	2011	1	2	6	V	26.0	0	0.97	233
401430175	2011	1	2	7	V	33.4	0	0.79	232
401430175	2011	1	2	8	V	51.7	1	0.62	223
401430175	2011	1	2	9	V	15.1	1	0.92	187
401430175	2011	1	2	10	V	16.1	5	1.28	186
401430175	2011	1	2	11	V	15.3	5	1.96	177
401430175	2011	1	2	12	V	15.1	7	3.15	181
401430175	2011	1	2	13	V	15.4	16	3.9	181
401430175	2011	1	2	14	V	11.1	10	5.05	183
401430175	2011	1	2	15	V	10.0	9	4.66	187
401430175	2011	1	2	16	V	10.3	15	4.61	186
401430175	2011	1	2	17	V	6.2	3	4.46	186
401430175	2011	1	2	18	V	5.4	7	1.91	194
401430175	2011	1	2	19	V	28.8	4	0.82	207
401430175	2011	1	2	20	V	14.8	1	1.09	184
401430175	2011	1	2	21	V	18.4	8	1.23	206
401430175	2011	1	2	22	V	3.7	6	2.52	203

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	2	23	V	4.2	8	2.18	191
401430175	2011	1	2	24	V	18.5	13	1.28	207
401430175	2011	1	3	1	V	26.1	9	0.86	164
401430175	2011	1	3	2	V	9.9	14	1.14	190
401430175	2011	1	3	3	V	11.7	1	1.03	159
401430175	2011	1	3	4	V	22.9	1	1.7	170
401430175	2011	1	3	5	V	4.0	2	2.64	161
401430175	2011	1	3	6	V	2.7	4	2.9	159
401430175	2011	1	3	7	V	7.2	4	3.3	163
401430175	2011	1	3	8	V	9.3	4	4.1	166
401430175	2011	1	3	9	V	11.8	5	3.61	168
401430175	2011	1	3	10	V	9.8	18	5.07	182
401430175	2011	1	3	11	V	8.2	13	7.25	190
401430175	2011	1	3	12	V	16.5	20	7.5	199
401430175	2011	1	3	13	V	16.1	22	7.06	197
401430175	2011	1	3	14	V	15.5	26	6.4	201
401430175	2011	1	3	15	V	7.6	40	5.8	187
401430175	2011	1	3	16	V	8.0	47	5.8	188
401430175	2011	1	3	17	V	4.4	36	4.14	194
401430175	2011	1	3	18	V	4.7	8	2.42	194
401430175	2011	1	3	19	V	38.0	4	1.23	219
401430175	2011	1	3	20	V	2.4	2	2.03	358
401430175	2011	1	3	21	V	2.6	1	2.27	359
401430175	2011	1	3	22	V	2.8	1	1.6	2
401430175	2011	1	3	23	V	3.8	1	1.77	7
401430175	2011	1	3	24	V	3.4	1	1.55	355
401430175	2011	1	4	1	V	2.4	1	1.81	6
401430175	2011	1	4	2	V	3.1	1	1.08	348
401430175	2011	1	4	3	V	1.9	1	2.52	7
401430175	2011	1	4	4	V	1.9	1	3	14
401430175	2011	1	4	5	V	2.1	1	3.57	11
401430175	2011	1	4	6	V	2.0	0	3.58	10
401430175	2011	1	4	7	V	1.6	0	3.57	12
401430175	2011	1	4	8	V	2.4	1	3.2	8
401430175	2011	1	4	9	V	2.1	1	2.81	18
401430175	2011	1	4	10	V	3.2	2	4.14	28
401430175	2011	1	4	11	V	4.6	3	5.55	38
401430175	2011	1	4	12	V	6.6	2	6.38	38
401430175	2011	1	4	13	V	9.7	1	5.24	45
401430175	2011	1	4	14	V	5.4	1	4.63	49
401430175	2011	1	4	15	V	2.4	5	3.58	59
401430175	2011	1	4	16	V	3.4	2	2.79	64
401430175	2011	1	4	17	V	3.5	1	2.81	60
401430175	2011	1	4	18	V	6.5	1	2.18	49
401430175	2011	1	4	19	V	3.7	2	1.37	36
401430175	2011	1	4	20	V	2.4	1	1.82	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	4	21	V	2.7	1	1.69	10
401430175	2011	1	4	22	V	2.9	1	1.35	357
401430175	2011	1	4	23	V	3.9	1	1.45	352
401430175	2011	1	4	24	V	3.5	1	1.31	328
401430175	2011	1	5	1	V	2.5	1	1.42	342
401430175	2011	1	5	2	V	5.4	1	0.86	149
401430175	2011	1	5	3	V	2.2	1	1.31	319
401430175	2011	1	5	4	V	2.3	1	1.21	320
401430175	2011	1	5	5	V	3.2	1	0.92	282
401430175	2011	1	5	6	V	2.9	1	0.96	306
401430175	2011	1	5	7	V	20.1	1	0.62	241
401430175	2011	1	5	8	V	9.1	2	0.55	254
401430175	2011	1	5	9	C	-999	2	0	0
401430175	2011	1	5	10	V	14.1	2	0.94	247
401430175	2011	1	5	11	V	3.7	2	2.37	330
401430175	2011	1	5	12	V	5.8	2	2.76	318
401430175	2011	1	5	13	V	6.7	1	2.88	307
401430175	2011	1	5	14	V	3.3	1	3.56	298
401430175	2011	1	5	15	V	2.2	1	3.81	294
401430175	2011	1	5	16	V	3.5	-999	3.25	286
401430175	2011	1	5	17	V	3.4	-999	2.66	288
401430175	2011	1	5	18	V	4.5	4	1.42	271
401430175	2011	1	5	19	V	3.1	3	1.48	256
401430175	2011	1	5	20	V	2.4	3	1.94	268
401430175	2011	1	5	21	V	2.9	3	1.33	274
401430175	2011	1	5	22	V	2.7	2	1.84	305
401430175	2011	1	5	23	V	3.7	1	2.37	321
401430175	2011	1	5	24	V	3.2	0	2.84	333
401430175	2011	1	6	1	V	2.3	0	2.64	335
401430175	2011	1	6	2	V	2.4	0	2.01	312
401430175	2011	1	6	3	V	2.7	1	1.01	290
401430175	2011	1	6	4	V	3.7	0	0.79	293
401430175	2011	1	6	5	V	2.3	1	1.42	276
401430175	2011	1	6	6	V	3.7	1	1.09	245
401430175	2011	1	6	7	V	2.6	1	1.04	250
401430175	2011	1	6	8	V	46.2	1	1.06	221
401430175	2011	1	6	9	V	12.5	1	0.89	158
401430175	2011	1	6	10	V	3.4	1	2.5	289
401430175	2011	1	6	11	V	3.1	1	3.44	272
401430175	2011	1	6	12	V	5.6	0	4.23	285
401430175	2011	1	6	13	V	6.5	1	4.19	278
401430175	2011	1	6	14	V	3.2	1	4.14	281
401430175	2011	1	6	15	V	2.1	4	4.36	297
401430175	2011	1	6	16	V	3.4	2	3.93	293
401430175	2011	1	6	17	V	3.5	1	3.03	288
401430175	2011	1	6	18	V	4.4	2	1.6	256

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	6	19	V	3.5	2	1.48	243
401430175	2011	1	6	20	V	2.6	1	1.94	243
401430175	2011	1	6	21	V	2.7	1	1.76	263
401430175	2011	1	6	22	V	2.7	1	2.56	255
401430175	2011	1	6	23	V	3.7	1	2.62	260
401430175	2011	1	6	24	V	3.3	1	2.08	261
401430175	2011	1	7	1	V	2.4	1	1.98	268
401430175	2011	1	7	2	V	2.4	1	1.88	279
401430175	2011	1	7	3	V	2.1	1	1.43	267
401430175	2011	1	7	4	V	2.0	1	1.72	274
401430175	2011	1	7	5	V	2.1	1	2.44	263
401430175	2011	1	7	6	V	2.0	1	2.76	267
401430175	2011	1	7	7	V	1.7	2	3.71	268
401430175	2011	1	7	8	V	2.4	1	3.91	296
401430175	2011	1	7	9	V	2.1	1	3.76	297
401430175	2011	1	7	10	V	3.2	1	3.58	305
401430175	2011	1	7	11	V	3.1	1	3.73	315
401430175	2011	1	7	12	V	5.5	1	4.82	332
401430175	2011	1	7	13	V	6.4	1	4.78	328
401430175	2011	1	7	14	V	3.0	0	6.04	331
401430175	2011	1	7	15	V	2.1	0	5.43	333
401430175	2011	1	7	16	V	3.3	0	5.7	333
401430175	2011	1	7	17	V	3.5	1	4.9	328
401430175	2011	1	7	18	V	4.3	0	4.6	338
401430175	2011	1	7	19	V	2.9	0	3.03	338
401430175	2011	1	7	20	V	2.4	0	2.52	339
401430175	2011	1	7	21	V	2.6	0	4.12	355
401430175	2011	1	7	22	V	2.7	0	3.8	4
401430175	2011	1	7	23	V	3.7	0	2.62	341
401430175	2011	1	7	24	V	3.2	0	2.61	339
401430175	2011	1	8	1	V	2.4	0	1.65	312
401430175	2011	1	8	2	V	2.5	0	1.82	287
401430175	2011	1	8	3	V	1.9	0	2.47	321
401430175	2011	1	8	4	V	1.9	0	2.16	322
401430175	2011	1	8	5	V	2.3	0	1.43	306
401430175	2011	1	8	6	V	2.0	0	2.01	328
401430175	2011	1	8	7	V	1.6	0	2.37	343
401430175	2011	1	8	8	V	2.4	0	1.89	331
401430175	2011	1	8	9	V	2.1	0	3.18	1
401430175	2011	1	8	10	V	3.1	0	4.32	17
401430175	2011	1	8	11	V	3.1	0	4.07	8
401430175	2011	1	8	12	V	5.7	0	4.09	27
401430175	2011	1	8	13	V	6.5	0	3.68	20
401430175	2011	1	8	14	V	5.2	0	2.93	38
401430175	2011	1	8	15	V	2.4	0	3.13	62
401430175	2011	1	8	16	V	3.6	0	2.72	62

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	8	17	V	3.4	7	3.22	62
401430175	2011	1	8	18	V	4.3	4	3.03	63
401430175	2011	1	8	19	V	2.9	0	3.25	74
401430175	2011	1	8	20	V	2.4	1	3.15	66
401430175	2011	1	8	21	V	2.6	1	2.91	57
401430175	2011	1	8	22	V	4.7	1	3.08	40
401430175	2011	1	8	23	V	4.0	1	2.71	37
401430175	2011	1	8	24	V	3.2	1	2.69	28
401430175	2011	1	9	1	V	2.3	1	3.1	23
401430175	2011	1	9	2	V	2.4	1	3.52	30
401430175	2011	1	9	3	V	2.3	0	3.78	38
401430175	2011	1	9	4	V	5.8	1	3.74	45
401430175	2011	1	9	5	V	2.1	1	3.27	55
401430175	2011	1	9	6	V	2.0	1	2.98	85
401430175	2011	1	9	7	V	1.7	1	3.75	114
401430175	2011	1	9	8	V	2.4	1	5.75	128
401430175	2011	1	9	9	V	2.0	1	5.89	125
401430175	2011	1	9	10	V	3.0	2	6.01	128
401430175	2011	1	9	11	V	2.9	4	5.96	126
401430175	2011	1	9	12	V	5.4	2	6.07	122
401430175	2011	1	9	13	V	6.3	5	5.33	128
401430175	2011	1	9	14	V	3.0	6	5.19	115
401430175	2011	1	9	15	V	2.0	2	5.36	115
401430175	2011	1	9	16	V	3.3	2	4.65	117
401430175	2011	1	9	17	V	3.4	1	5.19	106
401430175	2011	1	9	18	V	4.4	1	4.66	106
401430175	2011	1	9	19	V	3.0	1	3.81	115
401430175	2011	1	9	20	V	2.4	2	3.88	116
401430175	2011	1	9	21	V	2.6	1	4.1	121
401430175	2011	1	9	22	V	2.7	1	3.66	117
401430175	2011	1	9	23	V	3.8	1	2.73	108
401430175	2011	1	9	24	V	3.3	1	2.86	98
401430175	2011	1	10	1	V	2.4	0	2.61	104
401430175	2011	1	10	2	V	2.4	1	3.25	108
401430175	2011	1	10	3	V	1.9	3	3.23	128
401430175	2011	1	10	4	V	1.9	5	3.18	134
401430175	2011	1	10	5	V	2.1	4	3.49	133
401430175	2011	1	10	6	V	2.0	2	2.96	145
401430175	2011	1	10	7	V	8.3	1	2.71	162
401430175	2011	1	10	8	V	2.4	1	2.86	146
401430175	2011	1	10	9	V	2.1	1	2.32	140
401430175	2011	1	10	10	V	3.3	1	2.47	132
401430175	2011	1	10	11	V	3.1	1	2.35	138
401430175	2011	1	10	12	V	6.5	1	1.82	145
401430175	2011	1	10	13	V	15.5	2	2.11	189
401430175	2011	1	10	14	V	22.0	1	1.64	212

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	10	15	V	2.5	1	1.47	280
401430175	2011	1	10	16	V	3.4	0	1.69	299
401430175	2011	1	10	17	V	3.5	0	1.93	306
401430175	2011	1	10	18	V	4.5	0	1.42	280
401430175	2011	1	10	19	V	3.6	0	1.04	273
401430175	2011	1	10	20	V	2.5	0	3.12	310
401430175	2011	1	10	21	V	2.7	0	3.69	328
401430175	2011	1	10	22	V	2.7	0	3.64	320
401430175	2011	1	10	23	V	3.8	0	4.48	310
401430175	2011	1	10	24	V	3.3	0	4.19	306
401430175	2011	1	11	1	V	2.3	0	3.86	309
401430175	2011	1	11	2	V	2.4	0	3.98	312
401430175	2011	1	11	3	V	1.9	0	4.07	315
401430175	2011	1	11	4	V	1.9	0	3.59	317
401430175	2011	1	11	5	V	2.1	0	3.69	311
401430175	2011	1	11	6	V	2.0	0	3.92	304
401430175	2011	1	11	7	V	1.6	0	3.69	304
401430175	2011	1	11	8	V	2.4	0	3.66	306
401430175	2011	1	11	9	V	2.1	0	4.09	312
401430175	2011	1	11	10	V	3.1	0	4.09	312
401430175	2011	1	11	11	V	3.1	1	4.05	314
401430175	2011	1	11	12	V	5.6	1	4.1	325
401430175	2011	1	11	13	V	6.4	1	4.63	324
401430175	2011	1	11	14	V	3.1	0	4.53	316
401430175	2011	1	11	15	V	2.1	0	4.07	316
401430175	2011	1	11	16	V	3.3	0	4.19	315
401430175	2011	1	11	17	V	3.4	0	4.07	309
401430175	2011	1	11	18	V	4.3	0	2.57	324
401430175	2011	1	11	19	V	2.9	0	2.78	337
401430175	2011	1	11	20	V	2.4	0	2.27	308
401430175	2011	1	11	21	V	2.7	0	1.76	313
401430175	2011	1	11	22	V	2.9	0	1.42	320
401430175	2011	1	11	23	V	3.8	0	1.82	323
401430175	2011	1	11	24	V	3.2	0	2.4	330
401430175	2011	1	12	1	V	2.3	0	3.34	340
401430175	2011	1	12	2	V	2.4	0	2.57	343
401430175	2011	1	12	3	V	2.0	0	1.67	314
401430175	2011	1	12	4	V	1.9	0	2.04	308
401430175	2011	1	12	5	V	2.1	0	2.38	315
401430175	2011	1	12	6	V	2.0	0	2.54	326
401430175	2011	1	12	7	V	1.6	1	2.37	321
401430175	2011	1	12	8	V	2.4	1	2.71	334
401430175	2011	1	12	9	V	2.1	1	2.98	331
401430175	2011	1	12	10	V	3.2	1	3.18	336
401430175	2011	1	12	11	V	3.5	1	2.47	341
401430175	2011	1	12	12	V	6.4	1	2.03	303

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	12	13	V	7.1	1	2.2	317
401430175	2011	1	12	14	V	3.8	1	2.18	317
401430175	2011	1	12	15	V	2.6	1	2.32	307
401430175	2011	1	12	16	V	3.6	1	2.57	341
401430175	2011	1	12	17	V	3.5	1	2.04	336
401430175	2011	1	12	18	V	4.5	1	1.59	331
401430175	2011	1	12	19	V	3.4	1	1.18	324
401430175	2011	1	12	20	V	2.6	1	1.47	336
401430175	2011	1	12	21	V	3.8	1	0.92	337
401430175	2011	1	12	22	V	6.0	0	0.65	9
401430175	2011	1	12	23	V	7.3	0	0.7	255
401430175	2011	1	12	24	V	7.5	1	0.58	274
401430175	2011	1	13	1	V	5.1	0	0.7	264
401430175	2011	1	13	2	V	51.9	0	0.52	215
401430175	2011	1	13	3	V	8.4	1	0.52	258
401430175	2011	1	13	4	V	46.3	1	0.92	221
401430175	2011	1	13	5	V	5.6	2	0.65	268
401430175	2011	1	13	6	V	11.0	2	0.55	250
401430175	2011	1	13	7	V	43.6	3	1.09	224
401430175	2011	1	13	8	V	44.6	4	0.52	229
401430175	2011	1	13	9	V	6.4	5	1.26	190
401430175	2011	1	13	10	V	12.1	10	2.61	187
401430175	2011	1	13	11	V	9.8	6	4.39	185
401430175	2011	1	13	12	V	12.4	9	4.99	184
401430175	2011	1	13	13	V	12.5	8	5.53	187
401430175	2011	1	13	14	V	9.6	6	6.01	191
401430175	2011	1	13	15	V	9.9	3	6.6	194
401430175	2011	1	13	16	V	9.9	3	6.04	192
401430175	2011	1	13	17	V	7.4	5	6.13	186
401430175	2011	1	13	18	V	5.5	2	4.95	189
401430175	2011	1	13	19	V	4.0	1	4.05	188
401430175	2011	1	13	20	V	2.9	2	3.2	189
401430175	2011	1	13	21	V	3.9	3	3.64	187
401430175	2011	1	13	22	V	3.4	3	3.75	190
401430175	2011	1	13	23	V	4.3	5	3.91	195
401430175	2011	1	13	24	V	3.5	4	3.18	192
401430175	2011	1	14	1	V	3.1	3	3.13	187
401430175	2011	1	14	2	V	14.4	7	2.18	176
401430175	2011	1	14	3	V	2.6	10	1.94	188
401430175	2011	1	14	4	V	2.2	9	2.47	191
401430175	2011	1	14	5	V	3.0	9	1.86	191
401430175	2011	1	14	6	V	2.5	9	1.26	150
401430175	2011	1	14	7	V	22.9	5	1.69	170
401430175	2011	1	14	8	V	16.2	7	2.06	168
401430175	2011	1	14	9	V	14.5	6	2.16	166
401430175	2011	1	14	10	V	11.5	9	4	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	14	11	V	11.4	-999	4.63	195
401430175	2011	1	14	12	V	15.6	-999	3.13	180
401430175	2011	1	14	13	V	15.5	2	2.59	165
401430175	2011	1	14	14	V	8.9	1	2.93	159
401430175	2011	1	14	15	V	8.9	1	2.81	161
401430175	2011	1	14	16	V	6.2	1	3.07	154
401430175	2011	1	14	17	V	6.9	1	3.32	157
401430175	2011	1	14	18	V	6.4	1	3.03	159
401430175	2011	1	14	19	V	4.4	1	1.6	189
401430175	2011	1	14	20	V	5.8	2	1.55	194
401430175	2011	1	14	21	V	4.2	7	2.28	203
401430175	2011	1	14	22	V	6.9	10	1.91	212
401430175	2011	1	14	23	V	5.5	9	2.16	200
401430175	2011	1	14	24	V	41.1	9	1.18	219
401430175	2011	1	15	1	V	8.5	20	1.59	203
401430175	2011	1	15	2	V	18.8	10	1.28	208
401430175	2011	1	15	3	V	17.7	5	1.2	205
401430175	2011	1	15	4	V	19.8	2	1.52	230
401430175	2011	1	15	5	V	4.8	4	1.98	204
401430175	2011	1	15	6	V	22.1	7	0.75	187
401430175	2011	1	15	7	V	31.6	6	0.52	197
401430175	2011	1	15	8	V	33.3	3	0.63	201
401430175	2011	1	15	9	C	-999	3	0	0
401430175	2011	1	15	10	V	16.2	3	1.59	182
401430175	2011	1	15	11	V	20.2	2	3.17	215
401430175	2011	1	15	12	V	23.5	10	2.33	204
401430175	2011	1	15	13	V	19.2	7	2.21	195
401430175	2011	1	15	14	V	13.9	9	1.26	212
401430175	2011	1	15	15	V	9.6	2	1.67	171
401430175	2011	1	15	16	V	12.8	1	1.79	175
401430175	2011	1	15	17	V	24.5	1	1.5	169
401430175	2011	1	15	18	V	4.5	1	1.48	100
401430175	2011	1	15	19	V	4.2	1	1.45	37
401430175	2011	1	15	20	V	2.4	1	4.77	11
401430175	2011	1	15	21	V	2.6	1	4.37	15
401430175	2011	1	15	22	V	2.7	1	4.41	14
401430175	2011	1	15	23	V	3.8	1	4.61	17
401430175	2011	1	15	24	V	3.2	1	3.95	20
401430175	2011	1	16	1	V	2.3	1	3.29	14
401430175	2011	1	16	2	V	2.4	1	3.39	13
401430175	2011	1	16	3	V	1.9	1	3.8	14
401430175	2011	1	16	4	V	1.9	1	3.75	12
401430175	2011	1	16	5	V	2.1	1	4.1	10
401430175	2011	1	16	6	V	2.0	2	4.14	14
401430175	2011	1	16	7	V	1.6	2	4.54	17
401430175	2011	1	16	8	V	2.4	2	4.63	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	16	9	V	2.0	1	3.81	10
401430175	2011	1	16	10	V	3.1	2	3.73	17
401430175	2011	1	16	11	V	3.2	3	3.25	13
401430175	2011	1	16	12	V	6.7	3	2.45	30
401430175	2011	1	16	13	V	6.6	5	3.22	22
401430175	2011	1	16	14	V	3.7	4	2.33	16
401430175	2011	1	16	15	V	4.6	3	2.03	37
401430175	2011	1	16	16	V	6.3	4	1.84	41
401430175	2011	1	16	17	V	3.6	4	1.65	16
401430175	2011	1	16	18	V	5.2	4	0.92	345
401430175	2011	1	16	19	V	4.1	3	0.91	359
401430175	2011	1	16	20	V	7.6	3	0.52	349
401430175	2011	1	16	21	C	-999	3	0	0
401430175	2011	1	16	22	V	23.5	3	0.67	239
401430175	2011	1	16	23	V	6.0	3	0.75	276
401430175	2011	1	16	24	V	14.4	3	0.77	242
401430175	2011	1	17	1	V	18.1	3	1.03	200
401430175	2011	1	17	2	V	34.6	3	1.08	214
401430175	2011	1	17	3	V	15.8	3	2.49	172
401430175	2011	1	17	4	V	2.6	5	1.65	156
401430175	2011	1	17	5	V	2.8	2	1.13	147
401430175	2011	1	17	6	V	6.1	5	1.14	157
401430175	2011	1	17	7	V	15.3	10	2.57	175
401430175	2011	1	17	8	V	16.2	12	3.01	171
401430175	2011	1	17	9	V	7.0	5	3.17	159
401430175	2011	1	17	10	V	14.4	13	3.32	170
401430175	2011	1	17	11	V	13.7	8	3.49	173
401430175	2011	1	17	12	V	11.6	7	4.6	189
401430175	2011	1	17	13	V	14.8	8	6.31	196
401430175	2011	1	17	14	V	16.5	13	5.58	200
401430175	2011	1	17	15	V	14.1	15	5.51	198
401430175	2011	1	17	16	V	8.3	8	4.44	191
401430175	2011	1	17	17	V	5.6	3	3.59	189
401430175	2011	1	17	18	V	9.9	2	2.93	182
401430175	2011	1	17	19	V	7.4	5	2.37	183
401430175	2011	1	17	20	V	8.1	4	2.45	182
401430175	2011	1	17	21	V	4.4	6	2.74	187
401430175	2011	1	17	22	V	4.7	6	1.84	196
401430175	2011	1	17	23	V	34.0	2	0.77	205
401430175	2011	1	17	24	C	-999	1	0	0
401430175	2011	1	18	1	V	6.1	1	0.63	315
401430175	2011	1	18	2	V	6.7	1	0.62	260
401430175	2011	1	18	3	V	1.9	1	1.93	309
401430175	2011	1	18	4	V	1.9	1	4.58	4
401430175	2011	1	18	5	V	2.1	1	4.87	6
401430175	2011	1	18	6	V	2.0	1	3.83	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	18	7	V	1.7	1	3.95	6
401430175	2011	1	18	8	V	2.4	0	5.22	8
401430175	2011	1	18	9	V	2.0	0	4.48	353
401430175	2011	1	18	10	V	3.1	0	3.85	344
401430175	2011	1	18	11	V	3.0	0	3.95	342
401430175	2011	1	18	12	V	5.5	0	3.69	341
401430175	2011	1	18	13	V	6.3	0	3.78	339
401430175	2011	1	18	14	V	3.0	0	3.61	342
401430175	2011	1	18	15	V	2.0	0	3.2	332
401430175	2011	1	18	16	V	3.3	0	2.86	333
401430175	2011	1	18	17	V	3.5	0	2.98	349
401430175	2011	1	18	18	V	4.4	0	1.76	334
401430175	2011	1	18	19	V	3.0	0	1.84	347
401430175	2011	1	18	20	V	2.4	0	2.25	2
401430175	2011	1	18	21	V	2.7	0	1.98	356
401430175	2011	1	18	22	V	2.7	0	2.45	16
401430175	2011	1	18	23	V	3.7	0	2.3	11
401430175	2011	1	18	24	V	3.3	0	1.69	354
401430175	2011	1	19	1	V	3.1	0	1.04	360
401430175	2011	1	19	2	V	2.8	0	1.21	352
401430175	2011	1	19	3	V	1.9	0	2.71	27
401430175	2011	1	19	4	V	1.9	0	1.98	24
401430175	2011	1	19	5	V	4.8	0	2.35	40
401430175	2011	1	19	6	V	2.0	0	2.27	29
401430175	2011	1	19	7	V	1.7	0	1.87	6
401430175	2011	1	19	8	V	2.4	0	2.39	28
401430175	2011	1	19	9	V	4.9	0	3.73	47
401430175	2011	1	19	10	V	3.1	1	3.81	69
401430175	2011	1	19	11	V	3.1	1	4.02	67
401430175	2011	1	19	12	V	5.7	4	3.34	75
401430175	2011	1	19	13	V	6.5	5	4.07	91
401430175	2011	1	19	14	V	3.2	-999	3.97	103
401430175	2011	1	19	15	V	2.1	2	3.95	93
401430175	2011	1	19	16	V	3.3	2	4.78	99
401430175	2011	1	19	17	V	3.4	2	5.14	114
401430175	2011	1	19	18	V	4.9	1	3.69	51
401430175	2011	1	19	19	V	3.0	1	3.52	16
401430175	2011	1	19	20	V	2.4	1	4.42	13
401430175	2011	1	19	21	V	2.7	1	4.58	16
401430175	2011	1	19	22	V	2.7	1	4.54	16
401430175	2011	1	19	23	V	3.8	1	4.8	14
401430175	2011	1	19	24	V	3.3	1	5.02	7
401430175	2011	1	20	1	V	2.4	1	5.31	6
401430175	2011	1	20	2	V	2.4	0	5.99	3
401430175	2011	1	20	3	V	1.9	1	5.29	1
401430175	2011	1	20	4	V	1.9	1	5.38	359

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	20	5	V	2.1	1	4.83	357
401430175	2011	1	20	6	V	2.0	1	4.83	352
401430175	2011	1	20	7	V	1.7	1	4.34	346
401430175	2011	1	20	8	V	2.4	0	4	346
401430175	2011	1	20	9	V	2.0	0	4.75	345
401430175	2011	1	20	10	V	3.0	1	4.93	347
401430175	2011	1	20	11	V	3.1	1	4.42	353
401430175	2011	1	20	12	V	5.5	1	4.51	348
401430175	2011	1	20	13	V	6.4	0	5	350
401430175	2011	1	20	14	V	3.1	1	4.34	355
401430175	2011	1	20	15	V	2.0	1	4.99	12
401430175	2011	1	20	16	V	3.3	1	4.49	7
401430175	2011	1	20	17	V	3.5	0	3.37	12
401430175	2011	1	20	18	V	4.4	0	1.62	1
401430175	2011	1	20	19	V	4.4	1	0.74	260
401430175	2011	1	20	20	V	7.1	2	0.65	255
401430175	2011	1	20	21	V	8.1	1	0.52	274
401430175	2011	1	20	22	V	24.8	1	0.74	237
401430175	2011	1	20	23	V	52.0	1	0.63	224
401430175	2011	1	20	24	V	52.7	1	0.63	217
401430175	2011	1	21	1	C	-999	1	0	0
401430175	2011	1	21	2	V	5.4	1	0.69	273
401430175	2011	1	21	3	C	-999	1	0	0
401430175	2011	1	21	4	V	44.6	1	0.86	225
401430175	2011	1	21	5	V	26.6	2	0.62	238
401430175	2011	1	21	6	V	13.4	2	1.11	197
401430175	2011	1	21	7	V	14.0	4	1.14	199
401430175	2011	1	21	8	V	17.1	6	2.03	175
401430175	2011	1	21	9	V	5.5	15	3.27	190
401430175	2011	1	21	10	V	10.3	15	3.76	189
401430175	2011	1	21	11	V	9.4	7	4.83	189
401430175	2011	1	21	12	V	13.8	8	4.9	193
401430175	2011	1	21	13	V	10.7	12	5.67	189
401430175	2011	1	21	14	V	13.8	11	5.77	197
401430175	2011	1	21	15	V	7.9	6	5.84	192
401430175	2011	1	21	16	V	11.0	10	4.42	194
401430175	2011	1	21	17	V	7.3	8	3.63	184
401430175	2011	1	21	18	V	9.0	3	3.34	183
401430175	2011	1	21	19	V	11.7	9	1.99	178
401430175	2011	1	21	20	V	3.5	9	1.89	185
401430175	2011	1	21	21	V	20.2	4	0.96	183
401430175	2011	1	21	22	V	16.2	2	0.92	194
401430175	2011	1	21	23	V	8.3	2	0.84	246
401430175	2011	1	21	24	V	4.8	1	0.82	325
401430175	2011	1	22	1	V	5.2	1	0.67	59
401430175	2011	1	22	2	V	31.1	1	0.92	209

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	22	3	V	43.3	1	0.89	218
401430175	2011	1	22	4	V	3.1	1	0.89	277
401430175	2011	1	22	5	V	6.3	1	0.65	257
401430175	2011	1	22	6	V	6.0	1	0.62	266
401430175	2011	1	22	7	V	11.1	1	1.11	186
401430175	2011	1	22	8	V	43.9	1	0.77	228
401430175	2011	1	22	9	V	10.3	1	1.06	188
401430175	2011	1	22	10	V	15.9	2	1.21	178
401430175	2011	1	22	11	V	14.9	4	1.59	174
401430175	2011	1	22	12	V	14.8	1	3.59	180
401430175	2011	1	22	13	V	15.3	1	4.39	173
401430175	2011	1	22	14	V	11.7	1	4.93	180
401430175	2011	1	22	15	V	11.0	1	4.71	169
401430175	2011	1	22	16	V	8.4	1	5.28	159
401430175	2011	1	22	17	V	3.4	1	4.37	137
401430175	2011	1	22	18	V	4.5	1	3.47	150
401430175	2011	1	22	19	V	2.9	1	3.54	136
401430175	2011	1	22	20	V	2.4	1	4.32	141
401430175	2011	1	22	21	V	2.9	1	3.44	151
401430175	2011	1	22	22	V	3.2	1	2.33	157
401430175	2011	1	22	23	V	7.9	1	1.96	162
401430175	2011	1	22	24	V	11.1	1	2.64	177
401430175	2011	1	23	1	V	18.2	1	1.26	233
401430175	2011	1	23	2	V	3.5	1	0.91	345
401430175	2011	1	23	3	V	3.4	1	0.84	258
401430175	2011	1	23	4	V	5.6	1	0.7	254
401430175	2011	1	23	5	V	2.7	2	1.08	257
401430175	2011	1	23	6	V	2.0	1	2.16	317
401430175	2011	1	23	7	V	1.6	1	3.88	346
401430175	2011	1	23	8	V	2.4	0	2.27	327
401430175	2011	1	23	9	V	2.1	0	3.39	319
401430175	2011	1	23	10	V	3.1	0	3.91	320
401430175	2011	1	23	11	V	3.0	0	4	324
401430175	2011	1	23	12	V	5.5	0	4.09	315
401430175	2011	1	23	13	V	6.4	0	3.57	325
401430175	2011	1	23	14	V	3.0	0	3.74	323
401430175	2011	1	23	15	V	2.0	0	3.27	326
401430175	2011	1	23	16	V	3.3	1	2.81	340
401430175	2011	1	23	17	V	3.5	1	2.93	321
401430175	2011	1	23	18	V	4.4	1	2.45	338
401430175	2011	1	23	19	V	3.0	1	2.32	338
401430175	2011	1	23	20	V	2.4	1	1.82	358
401430175	2011	1	23	21	V	3.2	1	1.06	14
401430175	2011	1	23	22	V	5.7	1	0.69	9
401430175	2011	1	23	23	V	23.0	1	0.75	161
401430175	2011	1	23	24	V	38.2	5	1.23	219

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	24	1	V	31.7	1	0.57	236
401430175	2011	1	24	2	V	14.0	2	0.52	248
401430175	2011	1	24	3	C	-999	2	0	0
401430175	2011	1	24	4	V	33.0	1	1.04	230
401430175	2011	1	24	5	V	7.3	1	1.06	241
401430175	2011	1	24	6	V	28.4	1	0.53	188
401430175	2011	1	24	7	V	3.4	1	0.91	250
401430175	2011	1	24	8	V	20.8	2	1.04	203
401430175	2011	1	24	9	V	29.3	2	1.06	167
401430175	2011	1	24	10	V	11.9	1	1.01	152
401430175	2011	1	24	11	V	15.6	17	1.62	176
401430175	2011	1	24	12	V	14.8	2	1.57	160
401430175	2011	1	24	13	V	15.6	4	2.11	169
401430175	2011	1	24	14	V	5.0	13	1.54	120
401430175	2011	1	24	15	V	4.8	-999	1.25	110
401430175	2011	1	24	16	V	4.8	-999	1.77	30
401430175	2011	1	24	17	V	3.5	3	2.03	9
401430175	2011	1	24	18	V	7.6	2	1.89	40
401430175	2011	1	24	19	V	3.0	2	2.15	19
401430175	2011	1	24	20	V	2.4	1	3.29	10
401430175	2011	1	24	21	V	2.6	1	2.25	5
401430175	2011	1	24	22	V	2.7	1	2.03	5
401430175	2011	1	24	23	V	3.7	1	2.33	6
401430175	2011	1	24	24	V	3.3	1	2.13	8
401430175	2011	1	25	1	V	2.4	1	1.72	3
401430175	2011	1	25	2	V	3.1	1	1.08	349
401430175	2011	1	25	3	V	5.0	0	0.65	34
401430175	2011	1	25	4	V	4.7	1	0.7	349
401430175	2011	1	25	5	C	-999	1	0	0
401430175	2011	1	25	6	V	4.8	1	0.7	346
401430175	2011	1	25	7	V	6.8	1	0.55	262
401430175	2011	1	25	8	V	3.6	1	0.89	8
401430175	2011	1	25	9	V	3.3	2	0.86	299
401430175	2011	1	25	10	V	3.4	1	2.45	21
401430175	2011	1	25	11	V	3.6	1	2.66	26
401430175	2011	1	25	12	V	6.3	1	2.25	7
401430175	2011	1	25	13	V	8.2	2	2.25	35
401430175	2011	1	25	14	V	4.3	2	2.1	66
401430175	2011	1	25	15	V	3.2	1	1.99	286
401430175	2011	1	25	16	V	3.9	0	2.39	326
401430175	2011	1	25	17	V	3.6	1	2.13	335
401430175	2011	1	25	18	V	4.8	0	1.04	313
401430175	2011	1	25	19	V	7.0	1	0.58	294
401430175	2011	1	25	20	V	46.5	1	0.63	228
401430175	2011	1	25	21	V	8.1	1	0.55	259
401430175	2011	1	25	22	V	36.6	1	0.53	234

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	25	23	V	6.5	2	0.7	278
401430175	2011	1	25	24	C	-999	2	0	0
401430175	2011	1	26	1	C	-999	1	0	0
401430175	2011	1	26	2	V	44.6	1	0.75	213
401430175	2011	1	26	3	C	-999	1	0	0
401430175	2011	1	26	4	V	14.0	1	0.63	245
401430175	2011	1	26	5	V	47.7	1	0.72	215
401430175	2011	1	26	6	V	50.4	1	0.75	223
401430175	2011	1	26	7	V	5.8	1	0.58	279
401430175	2011	1	26	8	V	12.2	1	1.28	199
401430175	2011	1	26	9	V	2.2	1	1.57	308
401430175	2011	1	26	10	V	3.6	1	2.32	312
401430175	2011	1	26	11	V	3.2	1	3.4	310
401430175	2011	1	26	12	V	5.7	1	3.49	303
401430175	2011	1	26	13	V	6.5	1	4.05	298
401430175	2011	1	26	14	V	3.2	1	4.07	309
401430175	2011	1	26	15	V	2.3	1	3.54	301
401430175	2011	1	26	16	V	3.6	1	3.42	307
401430175	2011	1	26	17	V	3.5	1	3.54	308
401430175	2011	1	26	18	V	4.4	1	2.06	303
401430175	2011	1	26	19	V	3.4	0	1.09	312
401430175	2011	1	26	20	V	2.5	0	1.71	331
401430175	2011	1	26	21	V	2.7	0	1.74	336
401430175	2011	1	26	22	V	2.9	0	1.54	339
401430175	2011	1	26	23	V	4.2	0	1.14	316
401430175	2011	1	26	24	V	7.1	0	0.6	285
401430175	2011	1	27	1	V	3.4	0	0.92	278
401430175	2011	1	27	2	V	3.9	0	0.94	250
401430175	2011	1	27	3	V	46.1	0	0.72	227
401430175	2011	1	27	4	V	24.6	1	0.69	195
401430175	2011	1	27	5	V	13.8	1	1.04	195
401430175	2011	1	27	6	V	4.5	1	0.74	258
401430175	2011	1	27	7	V	8.8	1	1.21	186
401430175	2011	1	27	8	V	52.7	1	0.6	222
401430175	2011	1	27	9	V	13.2	1	1.33	206
401430175	2011	1	27	10	V	14.4	2	1.86	177
401430175	2011	1	27	11	V	20.2	3	3.42	220
401430175	2011	1	27	12	V	21.1	1	4.42	228
401430175	2011	1	27	13	V	11.7	1	4.19	240
401430175	2011	1	27	14	V	3.2	1	4.19	280
401430175	2011	1	27	15	V	2.2	1	4.17	286
401430175	2011	1	27	16	V	3.5	2	3.52	275
401430175	2011	1	27	17	V	3.5	2	3.2	280
401430175	2011	1	27	18	V	4.3	2	2.47	291
401430175	2011	1	27	19	V	3.1	2	1.43	249
401430175	2011	1	27	20	V	2.5	2	1.5	251

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	27	21	V	2.9	2	1.3	252
401430175	2011	1	27	22	C	-999	2	0	0
401430175	2011	1	27	23	V	50.4	2	0.79	224
401430175	2011	1	27	24	V	5.2	2	0.89	250
401430175	2011	1	28	1	V	5.3	2	0.77	252
401430175	2011	1	28	2	V	7.5	2	0.53	284
401430175	2011	1	28	3	V	8.3	2	0.52	258
401430175	2011	1	28	4	C	-999	1	0	0
401430175	2011	1	28	5	V	33.7	1	0.55	235
401430175	2011	1	28	6	C	-999	1	0	0
401430175	2011	1	28	7	V	5.1	1	0.7	255
401430175	2011	1	28	8	V	50.5	2	0.53	225
401430175	2011	1	28	9	V	41.2	3	0.87	216
401430175	2011	1	28	10	V	13.6	4	1.16	165
401430175	2011	1	28	11	V	15.8	4	1.73	181
401430175	2011	1	28	12	V	15.6	17	2	191
401430175	2011	1	28	13	V	19.4	5	2.96	211
401430175	2011	1	28	14	V	10.6	2	3.35	240
401430175	2011	1	28	15	V	9.6	1	3.81	240
401430175	2011	1	28	16	V	17.2	1	3.98	231
401430175	2011	1	28	17	V	23.1	1	3.15	226
401430175	2011	1	28	18	V	21.4	1	1.47	216
401430175	2011	1	28	19	V	43.1	2	1.08	224
401430175	2011	1	28	20	C	-999	3	0	0
401430175	2011	1	28	21	V	6.9	3	0.57	292
401430175	2011	1	28	22	V	6.0	2	0.65	272
401430175	2011	1	28	23	V	5.6	3	0.77	313
401430175	2011	1	28	24	C	-999	3	0	0
401430175	2011	1	29	1	V	43.6	3	0.72	229
401430175	2011	1	29	2	V	3.1	2	1.06	299
401430175	2011	1	29	3	V	4.3	2	0.75	257
401430175	2011	1	29	4	V	3.2	2	0.84	304
401430175	2011	1	29	5	V	3.2	2	0.89	328
401430175	2011	1	29	6	V	7.0	2	1.06	241
401430175	2011	1	29	7	V	5.3	2	0.62	294
401430175	2011	1	29	8	C	-999	2	0	0
401430175	2011	1	29	9	V	26.7	2	0.52	163
401430175	2011	1	29	10	V	16.4	2	0.84	171
401430175	2011	1	29	11	V	13.4	2	2.32	174
401430175	2011	1	29	12	V	13.5	1	4.07	185
401430175	2011	1	29	13	V	14.6	1	4.61	183
401430175	2011	1	29	14	V	10.0	3	6.43	189
401430175	2011	1	29	15	V	9.8	5	6.3	191
401430175	2011	1	29	16	V	10.0	2	6.36	189
401430175	2011	1	29	17	V	10.3	3	5.44	183
401430175	2011	1	29	18	V	8.1	3	4.37	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	29	19	V	8.2	4	3	180
401430175	2011	1	29	20	V	10.4	3	2.28	178
401430175	2011	1	29	21	V	42.9	3	0.77	213
401430175	2011	1	29	22	V	5.9	2	0.67	323
401430175	2011	1	29	23	V	5.8	2	0.75	315
401430175	2011	1	29	24	V	6.9	2	0.63	307
401430175	2011	1	30	1	V	2.3	2	2.32	340
401430175	2011	1	30	2	V	2.4	1	5.53	14
401430175	2011	1	30	3	V	2.0	1	6.28	14
401430175	2011	1	30	4	V	1.9	1	5.92	17
401430175	2011	1	30	5	V	2.2	1	6.35	13
401430175	2011	1	30	6	V	2.1	1	6.33	13
401430175	2011	1	30	7	V	1.7	1	6.14	15
401430175	2011	1	30	8	V	2.4	1	5.53	9
401430175	2011	1	30	9	V	2.1	1	6.35	17
401430175	2011	1	30	10	V	3.0	1	6.53	20
401430175	2011	1	30	11	V	2.9	1	5.94	16
401430175	2011	1	30	12	V	5.4	1	5.79	13
401430175	2011	1	30	13	V	6.3	1	5.68	11
401430175	2011	1	30	14	V	2.9	1	5.82	14
401430175	2011	1	30	15	V	1.9	0	6.04	23
401430175	2011	1	30	16	V	3.2	0	4.87	13
401430175	2011	1	30	17	V	3.5	1	5.36	28
401430175	2011	1	30	18	V	4.4	3	4.54	22
401430175	2011	1	30	19	V	3.0	5	4.59	21
401430175	2011	1	30	20	V	2.4	4	4.65	24
401430175	2011	1	30	21	V	2.7	3	4.08	22
401430175	2011	1	30	22	V	2.7	4	3.47	18
401430175	2011	1	30	23	V	3.8	3	2.72	4
401430175	2011	1	30	24	V	3.3	1	3.08	19
401430175	2011	1	31	1	V	2.4	1	2.5	16
401430175	2011	1	31	2	V	2.4	1	2.16	358
401430175	2011	1	31	3	V	1.9	1	2.13	340
401430175	2011	1	31	4	V	1.9	1	2.52	350
401430175	2011	1	31	5	V	2.1	1	1.99	357
401430175	2011	1	31	6	V	2.1	1	1.48	322
401430175	2011	1	31	7	V	1.8	1	1.45	334
401430175	2011	1	31	8	V	2.4	1	1.94	327
401430175	2011	1	31	9	V	2.2	1	2.16	294
401430175	2011	1	31	10	V	3.2	1	1.77	308
401430175	2011	1	31	11	V	3.2	1	2.05	297
401430175	2011	1	31	12	V	5.8	1	2.13	283
401430175	2011	1	31	13	V	6.4	1	3.13	288
401430175	2011	1	31	14	V	3.2	1	2.5	303
401430175	2011	1	31	15	V	2.1	1	3.05	310
401430175	2011	1	31	16	V	3.3	1	3.39	319

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	1	31	17	V	3.5	1	3.3	329
401430175	2011	1	31	18	V	4.4	1	3.39	340
401430175	2011	1	31	19	V	3.0	1	3.85	339
401430175	2011	1	31	20	V	2.4	0	3.49	340
401430175	2011	1	31	21	V	2.7	0	4.6	350
401430175	2011	1	31	22	V	2.7	0	4.39	353
401430175	2011	1	31	23	V	3.8	0	4.83	341
401430175	2011	1	31	24	V	3.3	0	4.54	346
401430175	2011	2	1	1	V	2.4	0	4.78	347
401430175	2011	2	1	2	V	2.4	0	4.97	351
401430175	2011	2	1	3	V	1.9	0	5.82	353
401430175	2011	2	1	4	V	1.9	0	6.09	355
401430175	2011	2	1	5	V	2.2	0	6.75	354
401430175	2011	2	1	6	V	2.0	0	5.8	344
401430175	2011	2	1	7	V	1.7	0	5.53	338
401430175	2011	2	1	8	V	2.4	0	5.8	346
401430175	2011	2	1	9	V	2.0	0	5.22	334
401430175	2011	2	1	10	V	3.0	1	6.74	328
401430175	2011	2	1	11	V	2.9	0	5.68	327
401430175	2011	2	1	12	V	5.4	0	6.13	317
401430175	2011	2	1	13	V	6.3	0	6.64	325
401430175	2011	2	1	14	V	2.9	0	5.63	322
401430175	2011	2	1	15	V	1.9	0	5.85	313
401430175	2011	2	1	16	V	3.2	0	6.16	315
401430175	2011	2	1	17	V	3.5	0	5.72	321
401430175	2011	2	1	18	V	4.4	0	5.24	320
401430175	2011	2	1	19	V	3.0	0	5.19	316
401430175	2011	2	1	20	V	2.4	0	4.88	321
401430175	2011	2	1	21	V	2.7	0	4.8	315
401430175	2011	2	1	22	V	2.7	0	4.37	316
401430175	2011	2	1	23	V	3.8	1	4.6	329
401430175	2011	2	1	24	V	3.3	1	3.81	327
401430175	2011	2	2	1	V	2.4	0	3.76	318
401430175	2011	2	2	2	V	2.4	1	3.73	327
401430175	2011	2	2	3	V	1.9	1	3.8	331
401430175	2011	2	2	4	V	1.9	1	4.27	345
401430175	2011	2	2	5	V	2.1	0	4.6	345
401430175	2011	2	2	6	V	2.0	0	4.41	347
401430175	2011	2	2	7	V	1.6	0	3.59	344
401430175	2011	2	2	8	V	2.4	0	2.67	330
401430175	2011	2	2	9	V	2.2	0	2.86	324
401430175	2011	2	2	10	V	3.1	0	4.32	350
401430175	2011	2	2	11	V	3.1	0	4.24	341
401430175	2011	2	2	12	V	5.5	0	4.7	359
401430175	2011	2	2	13	V	6.5	0	4.02	12
401430175	2011	2	2	14	V	3.1	0	3.92	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	2	15	V	2.1	0	3.8	12
401430175	2011	2	2	16	V	3.3	0	4.49	19
401430175	2011	2	2	17	V	3.4	0	4.44	21
401430175	2011	2	2	18	V	4.4	0	3.61	17
401430175	2011	2	2	19	V	2.9	0	2.93	11
401430175	2011	2	2	20	V	2.4	0	2.44	5
401430175	2011	2	2	21	V	2.6	0	2.47	353
401430175	2011	2	2	22	V	2.7	0	1.96	349
401430175	2011	2	2	23	V	3.8	0	3.32	9
401430175	2011	2	2	24	V	3.3	0	4.15	10
401430175	2011	2	3	1	V	2.3	0	3.68	18
401430175	2011	2	3	2	V	2.4	0	3.46	11
401430175	2011	2	3	3	V	1.9	0	3.1	14
401430175	2011	2	3	4	V	1.9	0	2.86	6
401430175	2011	2	3	5	V	2.1	0	2.79	7
401430175	2011	2	3	6	V	2.0	1	2.32	4
401430175	2011	2	3	7	V	1.6	0	3.07	2
401430175	2011	2	3	8	V	2.4	1	3.29	14
401430175	2011	2	3	9	V	2.3	1	2.62	20
401430175	2011	2	3	10	V	3.6	1	2.62	21
401430175	2011	2	3	11	V	4.8	1	1.79	56
401430175	2011	2	3	12	V	8.0	2	1.21	90
401430175	2011	2	3	13	V	7.4	3	1.84	30
401430175	2011	2	3	14	V	3.0	2	3.56	26
401430175	2011	2	3	15	V	2.3	2	1.47	75
401430175	2011	2	3	16	V	3.9	2	2.21	33
401430175	2011	2	3	17	V	3.7	1	2.49	21
401430175	2011	2	3	18	V	4.5	3	2.01	53
401430175	2011	2	3	19	V	3.0	4	2.25	24
401430175	2011	2	3	20	V	3.7	4	1.04	36
401430175	2011	2	3	21	C	-999	3	0	0
401430175	2011	2	3	22	V	3.6	3	0.99	352
401430175	2011	2	3	23	V	3.8	2	1.71	9
401430175	2011	2	3	24	V	3.3	2	1.65	8
401430175	2011	2	4	1	V	2.9	1	1.13	3
401430175	2011	2	4	2	V	6.2	2	0.65	275
401430175	2011	2	4	3	V	2.6	2	1.03	312
401430175	2011	2	4	4	V	3.1	2	0.89	268
401430175	2011	2	4	5	V	5.1	1	0.69	307
401430175	2011	2	4	6	V	4.9	1	0.72	332
401430175	2011	2	4	7	C	-999	1	0	0
401430175	2011	2	4	8	V	3.9	1	0.84	259
401430175	2011	2	4	9	V	14.1	2	0.94	238
401430175	2011	2	4	10	V	27.5	4	1.79	217
401430175	2011	2	4	11	V	12.7	5	0.94	250
401430175	2011	2	4	12	V	10.2	10	0.91	95

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	4	13	V	6.9	9	1.33	20
401430175	2011	2	4	14	V	3.2	5	1.88	333
401430175	2011	2	4	15	V	2.1	3	1.84	310
401430175	2011	2	4	16	V	3.4	2	1.45	301
401430175	2011	2	4	17	V	4.7	1	1.06	276
401430175	2011	2	4	18	V	6.0	1	0.82	291
401430175	2011	2	4	19	C	-999	1	0	0
401430175	2011	2	4	20	V	45.6	1	0.84	215
401430175	2011	2	4	21	V	44.9	1	0.72	210
401430175	2011	2	4	22	V	16.5	1	1.25	204
401430175	2011	2	4	23	V	17.3	3	1.28	163
401430175	2011	2	4	24	V	4.3	5	1.82	186
401430175	2011	2	5	1	V	12.0	5	1.6	180
401430175	2011	2	5	2	V	4.5	4	1.55	186
401430175	2011	2	5	3	V	26.0	2	1.69	173
401430175	2011	2	5	4	V	22.6	2	1.72	175
401430175	2011	2	5	5	V	10.6	8	1.48	182
401430175	2011	2	5	6	V	30.0	7	1.26	176
401430175	2011	2	5	7	V	16.8	4	1.18	202
401430175	2011	2	5	8	V	22.8	5	1.03	203
401430175	2011	2	5	9	V	14.1	4	1.18	183
401430175	2011	2	5	10	V	12.6	4	3.23	181
401430175	2011	2	5	11	V	13.0	6	3.37	176
401430175	2011	2	5	12	V	13.4	6	3.93	185
401430175	2011	2	5	13	V	14.2	3	4.03	188
401430175	2011	2	5	14	V	11.7	7	3.32	188
401430175	2011	2	5	15	V	9.8	17	4.03	187
401430175	2011	2	5	16	V	14.8	7	4.17	198
401430175	2011	2	5	17	V	13.2	5	4.24	195
401430175	2011	2	5	18	V	4.8	2	2.98	194
401430175	2011	2	5	19	V	4.5	2	1.55	187
401430175	2011	2	5	20	V	7.7	2	1.89	181
401430175	2011	2	5	21	V	4.4	4	1.53	187
401430175	2011	2	5	22	V	6.2	2	1.89	182
401430175	2011	2	5	23	V	12.1	2	2.01	179
401430175	2011	2	5	24	V	4.4	4	1.72	188
401430175	2011	2	6	1	V	36.9	2	1.08	175
401430175	2011	2	6	2	V	15.7	1	1.01	160
401430175	2011	2	6	3	V	51.2	1	0.72	227
401430175	2011	2	6	4	V	16.3	1	0.65	244
401430175	2011	2	6	5	V	5.7	1	0.67	269
401430175	2011	2	6	6	V	6.6	1	0.6	324
401430175	2011	2	6	7	V	51.0	1	0.86	221
401430175	2011	2	6	8	V	4.8	1	0.75	276
401430175	2011	2	6	9	C	-999	1	0	0
401430175	2011	2	6	10	V	4.1	1	1.21	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	6	11	V	3.9	1	1.74	14
401430175	2011	2	6	12	V	5.8	1	3.03	17
401430175	2011	2	6	13	V	6.4	1	4.09	13
401430175	2011	2	6	14	V	3.0	1	4.9	15
401430175	2011	2	6	15	V	2.0	1	4.7	16
401430175	2011	2	6	16	V	3.3	1	3.63	14
401430175	2011	2	6	17	V	3.5	1	3.44	15
401430175	2011	2	6	18	V	4.4	1	2.95	12
401430175	2011	2	6	19	V	3.0	1	4.46	12
401430175	2011	2	6	20	V	2.4	0	4.22	15
401430175	2011	2	6	21	V	2.7	0	3.85	4
401430175	2011	2	6	22	V	2.7	0	3.93	354
401430175	2011	2	6	23	V	3.7	0	4.17	358
401430175	2011	2	6	24	V	3.3	0	3.3	352
401430175	2011	2	7	1	V	2.4	0	3.54	340
401430175	2011	2	7	2	V	2.4	0	3.47	333
401430175	2011	2	7	3	V	2.0	0	3.12	329
401430175	2011	2	7	4	V	1.9	0	4.46	339
401430175	2011	2	7	5	V	2.1	1	3.81	342
401430175	2011	2	7	6	V	2.0	0	3.9	341
401430175	2011	2	7	7	V	1.7	0	3.9	342
401430175	2011	2	7	8	V	2.4	0	3.34	344
401430175	2011	2	7	9	V	2.2	0	2.49	313
401430175	2011	2	7	10	V	3.3	0	2.88	320
401430175	2011	2	7	11	V	3.0	0	4.17	347
401430175	2011	2	7	12	V	5.5	0	3.73	342
401430175	2011	2	7	13	V	6.4	0	3.35	315
401430175	2011	2	7	14	V	3.1	0	3.03	317
401430175	2011	2	7	15	V	2.0	0	3.27	294
401430175	2011	2	7	16	V	3.5	0	2.71	311
401430175	2011	2	7	17	V	3.4	0	1.72	332
401430175	2011	2	7	18	V	4.6	0	1.31	261
401430175	2011	2	7	19	C	-999	0	0	0
401430175	2011	2	7	20	V	3.2	1	1.07	135
401430175	2011	2	7	21	V	36.5	1	0.84	177
401430175	2011	2	7	22	V	27.0	0	1.04	180
401430175	2011	2	7	23	V	4.3	0	1.21	123
401430175	2011	2	7	24	V	3.4	0	1.72	139
401430175	2011	2	8	1	V	2.4	0	1.94	129
401430175	2011	2	8	2	V	3.0	1	1.14	107
401430175	2011	2	8	3	V	1.9	1	2.59	94
401430175	2011	2	8	4	V	1.9	1	1.94	119
401430175	2011	2	8	5	V	2.1	1	2.27	73
401430175	2011	2	8	6	V	5.4	1	3.63	46
401430175	2011	2	8	7	V	1.7	0	3.85	36
401430175	2011	2	8	8	V	2.4	0	4.66	29

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	8	9	V	3.1	1	6.89	38
401430175	2011	2	8	10	V	3.7	1	6.5	38
401430175	2011	2	8	11	V	5.5	1	6.38	43
401430175	2011	2	8	12	V	7.7	1	6.53	46
401430175	2011	2	8	13	V	8.4	0	6.75	46
401430175	2011	2	8	14	V	4.1	0	6.58	49
401430175	2011	2	8	15	V	4.0	0	6.5	47
401430175	2011	2	8	16	V	5.2	1	7.01	42
401430175	2011	2	8	17	V	3.4	2	6.47	27
401430175	2011	2	8	18	V	4.4	1	6.14	14
401430175	2011	2	8	19	V	3.0	1	6.14	11
401430175	2011	2	8	20	V	2.5	1	5.97	4
401430175	2011	2	8	21	V	2.7	1	7.35	16
401430175	2011	2	8	22	V	2.8	1	8.16	26
401430175	2011	2	8	23	V	3.8	1	6.94	24
401430175	2011	2	8	24	V	3.3	1	7.35	18
401430175	2011	2	9	1	V	2.4	0	6.67	16
401430175	2011	2	9	2	V	2.5	1	7.23	17
401430175	2011	2	9	3	V	2.0	1	7.48	19
401430175	2011	2	9	4	V	2.0	1	6.57	17
401430175	2011	2	9	5	V	2.1	1	5.62	5
401430175	2011	2	9	6	V	2.0	1	5.09	12
401430175	2011	2	9	7	V	1.7	1	4.63	1
401430175	2011	2	9	8	V	2.4	1	5.65	358
401430175	2011	2	9	9	V	2.0	1	5.31	356
401430175	2011	2	9	10	V	3.1	1	5.31	4
401430175	2011	2	9	11	V	3.0	1	4.37	354
401430175	2011	2	9	12	V	5.4	2	6.11	10
401430175	2011	2	9	13	V	6.3	2	5.5	6
401430175	2011	2	9	14	V	2.9	1	5.53	7
401430175	2011	2	9	15	V	1.9	1	6.12	6
401430175	2011	2	9	16	V	3.2	1	5.9	11
401430175	2011	2	9	17	V	3.4	0	4.49	2
401430175	2011	2	9	18	V	4.4	0	3.03	347
401430175	2011	2	9	19	V	3.0	0	2.16	324
401430175	2011	2	9	20	V	2.5	0	1.74	319
401430175	2011	2	9	21	V	2.7	0	1.76	316
401430175	2011	2	9	22	V	2.9	0	1.4	308
401430175	2011	2	9	23	V	4.2	1	1.2	288
401430175	2011	2	9	24	V	4.7	1	0.87	285
401430175	2011	2	10	1	V	3.3	0	0.99	298
401430175	2011	2	10	2	V	19.2	0	1.33	210
401430175	2011	2	10	3	V	42.6	0	0.84	229
401430175	2011	2	10	4	V	47.0	0	0.91	225
401430175	2011	2	10	5	V	2.6	0	1.14	263
401430175	2011	2	10	6	V	2.5	0	1.14	268

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	10	7	V	2.6	0	0.99	270
401430175	2011	2	10	8	V	19.0	1	1.04	200
401430175	2011	2	10	9	V	12.6	2	1.91	236
401430175	2011	2	10	10	V	12.7	1	2.15	238
401430175	2011	2	10	11	V	20.5	1	1.96	200
401430175	2011	2	10	12	V	15.2	9	2.86	183
401430175	2011	2	10	13	V	15.3	10	3.2	183
401430175	2011	2	10	14	V	15.1	3	2.66	171
401430175	2011	2	10	15	V	15.0	3	3.54	171
401430175	2011	2	10	16	V	13.4	3	2.86	187
401430175	2011	2	10	17	V	17.7	7	3.24	177
401430175	2011	2	10	18	V	6.8	3	3.2	185
401430175	2011	2	10	19	V	4.3	4	2.06	185
401430175	2011	2	10	20	V	13.1	4	1.06	192
401430175	2011	2	10	21	V	45.8	6	0.99	227
401430175	2011	2	10	22	V	6.2	4	0.79	251
401430175	2011	2	10	23	V	42.5	2	1.3	220
401430175	2011	2	10	24	V	22.2	2	0.86	237
401430175	2011	2	11	1	V	8.8	3	0.63	253
401430175	2011	2	11	2	V	6.8	2	0.6	289
401430175	2011	2	11	3	V	3.8	3	0.8	260
401430175	2011	2	11	4	V	14.2	1	0.96	190
401430175	2011	2	11	5	V	13.5	1	1.09	186
401430175	2011	2	11	6	V	18.2	2	1.06	200
401430175	2011	2	11	7	V	14.3	2	0.94	191
401430175	2011	2	11	8	V	46.0	3	0.67	230
401430175	2011	2	11	9	V	24.4	1	1.79	213
401430175	2011	2	11	10	V	21.8	1	1.94	230
401430175	2011	2	11	11	V	25.0	2	2.3	207
401430175	2011	2	11	12	V	26.5	3	2.49	206
401430175	2011	2	11	13	V	29.8	4	3.07	212
401430175	2011	2	11	14	V	27.1	1	4.02	223
401430175	2011	2	11	15	V	27.5	1	4.09	221
401430175	2011	2	11	16	V	20.1	0	4.24	230
401430175	2011	2	11	17	V	9.5	1	3.51	237
401430175	2011	2	11	18	V	11.7	1	2.86	234
401430175	2011	2	11	19	V	5.9	1	1.79	237
401430175	2011	2	11	20	V	4.7	1	0.72	289
401430175	2011	2	11	21	V	5.3	1	0.81	252
401430175	2011	2	11	22	V	45.8	1	0.57	231
401430175	2011	2	11	23	V	4.2	1	1.18	260
401430175	2011	2	11	24	V	55.8	0	0.77	219
401430175	2011	2	12	1	M	-999	1	999	999
401430175	2011	2	12	2	V	5.4	0	0.72	281
401430175	2011	2	12	3	V	58.1	0	0.6	218
401430175	2011	2	12	4	M	-999	1	999	999

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	12	5	M	-999	0	999	999
401430175	2011	2	12	6	M	-999	0	999	999
401430175	2011	2	12	7	M	-999	1	999	999
401430175	2011	2	12	8	V	31.4	1	0.7	181
401430175	2011	2	12	9	V	14.4	1	1.2	176
401430175	2011	2	12	10	V	10.5	1	0.82	139
401430175	2011	2	12	11	V	14.8	2	2.01	171
401430175	2011	2	12	12	V	17.3	4	2.35	179
401430175	2011	2	12	13	V	17.2	5	3.32	181
401430175	2011	2	12	14	V	13.3	11	4.22	182
401430175	2011	2	12	15	V	12.2	32	4.29	183
401430175	2011	2	12	16	V	12.9	17	4.61	183
401430175	2011	2	12	17	V	12.0	15	3.88	191
401430175	2011	2	12	18	V	5.0	6	2.3	196
401430175	2011	2	12	19	V	9.7	1	1.57	203
401430175	2011	2	12	20	V	27.3	2	0.94	181
401430175	2011	2	12	21	V	27.4	3	1.04	206
401430175	2011	2	12	22	V	9.9	3	1.54	201
401430175	2011	2	12	23	V	48.6	2	0.8	214
401430175	2011	2	12	24	V	16.8	4	0.91	192
401430175	2011	2	13	1	V	12.6	4	1.21	184
401430175	2011	2	13	2	C	-999	2	0	0
401430175	2011	2	13	3	C	-999	1	0	0
401430175	2011	2	13	4	C	-999	1	0	0
401430175	2011	2	13	5	V	58.3	1	0.57	218
401430175	2011	2	13	6	V	40.7	1	1.06	215
401430175	2011	2	13	7	V	44.2	1	0.82	229
401430175	2011	2	13	8	C	-999	1	0	0
401430175	2011	2	13	9	V	17.4	2	1.3	199
401430175	2011	2	13	10	V	13.8	5	2.71	181
401430175	2011	2	13	11	V	12.6	4	3.75	177
401430175	2011	2	13	12	V	13.1	3	4.48	184
401430175	2011	2	13	13	V	13.6	3	4.83	190
401430175	2011	2	13	14	V	9.8	9	4.99	189
401430175	2011	2	13	15	V	9.2	12	4.95	184
401430175	2011	2	13	16	V	11.8	16	4.15	183
401430175	2011	2	13	17	V	9.1	27	3.68	187
401430175	2011	2	13	18	V	5.6	9	2.67	187
401430175	2011	2	13	19	V	3.8	11	2.64	184
401430175	2011	2	13	20	V	9.5	4	1.28	185
401430175	2011	2	13	21	V	52.6	3	0.86	223
401430175	2011	2	13	22	V	4.0	9	1.14	52
401430175	2011	2	13	23	V	8.0	5	0.6	293
401430175	2011	2	13	24	V	7.1	2	0.63	277
401430175	2011	2	14	1	V	12.5	2	0.75	244
401430175	2011	2	14	2	C	-999	2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	14	3	V	1.9	2	4.1	15
401430175	2011	2	14	4	V	2.6	1	0.91	332
401430175	2011	2	14	5	V	2.2	1	1.74	14
401430175	2011	2	14	6	V	2.0	1	2.25	18
401430175	2011	2	14	7	V	1.7	1	2.18	16
401430175	2011	2	14	8	V	2.4	1	2.13	17
401430175	2011	2	14	9	V	2.2	1	3.25	20
401430175	2011	2	14	10	V	3.3	1	3.63	26
401430175	2011	2	14	11	V	3.6	-999	4.87	34
401430175	2011	2	14	12	V	10.1	-999	4.37	43
401430175	2011	2	14	13	V	7.7	-999	3.05	34
401430175	2011	2	14	14	V	3.4	1	3.83	31
401430175	2011	2	14	15	V	2.4	1	4.31	33
401430175	2011	2	14	16	V	4.2	1	3.76	35
401430175	2011	2	14	17	V	3.8	1	3.47	33
401430175	2011	2	14	18	V	4.4	1	2.11	11
401430175	2011	2	14	19	V	2.9	1	2.69	12
401430175	2011	2	14	20	V	2.4	1	3.34	18
401430175	2011	2	14	21	V	2.6	1	3.05	25
401430175	2011	2	14	22	V	2.7	1	1.91	20
401430175	2011	2	14	23	V	5.2	1	0.84	328
401430175	2011	2	14	24	V	6.3	1	0.7	337
401430175	2011	2	15	1	V	4.3	1	0.79	298
401430175	2011	2	15	2	C	-999	1	0	0
401430175	2011	2	15	3	V	4.8	1	0.72	1
401430175	2011	2	15	4	C	-999	1	0	0
401430175	2011	2	15	5	V	52.9	1	0.84	221
401430175	2011	2	15	6	V	25.1	1	1.16	211
401430175	2011	2	15	7	V	25.6	2	1.11	210
401430175	2011	2	15	8	V	5.5	2	2.91	157
401430175	2011	2	15	9	V	5.7	2	4.36	158
401430175	2011	2	15	10	V	14.2	2	4.78	168
401430175	2011	2	15	11	V	12.4	2	5	166
401430175	2011	2	15	12	V	6.4	1	3.81	150
401430175	2011	2	15	13	V	10.7	3	4.42	158
401430175	2011	2	15	14	V	6.0	2	3.54	154
401430175	2011	2	15	15	V	10.6	5	5.84	193
401430175	2011	2	15	16	V	12.4	13	5.11	193
401430175	2011	2	15	17	V	10.2	7	3.81	188
401430175	2011	2	15	18	V	17.1	5	2.27	168
401430175	2011	2	15	19	V	6.1	1	0.52	318
401430175	2011	2	15	20	V	4.9	2	0.75	122
401430175	2011	2	15	21	V	12.1	1	0.86	156
401430175	2011	2	15	22	V	7.1	1	0.65	145
401430175	2011	2	15	23	C	-999	1	0	0
401430175	2011	2	15	24	V	8.6	2	0.53	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	16	1	C	-999	1	0	0
401430175	2011	2	16	2	C	-999	1	0	0
401430175	2011	2	16	3	V	54.0	1	0.77	218
401430175	2011	2	16	4	C	-999	1	0	0
401430175	2011	2	16	5	C	-999	1	0	0
401430175	2011	2	16	6	C	-999	1	0	0
401430175	2011	2	16	7	C	-999	1	0	0
401430175	2011	2	16	8	V	20.0	2	1.28	209
401430175	2011	2	16	9	V	12.6	4	2.18	182
401430175	2011	2	16	10	V	8.6	3	5.34	186
401430175	2011	2	16	11	V	9.8	3	6.13	182
401430175	2011	2	16	12	V	10.7	7	7.3	184
401430175	2011	2	16	13	V	14.5	6	7.21	179
401430175	2011	2	16	14	V	12.2	14	7.21	179
401430175	2011	2	16	15	V	7.9	18	7.64	183
401430175	2011	2	16	16	V	11.8	22	7.35	180
401430175	2011	2	16	17	V	16.9	30	7.71	170
401430175	2011	2	16	18	V	22.2	27	7.48	169
401430175	2011	2	16	19	V	20.8	22	7.76	169
401430175	2011	2	16	20	V	13.9	21	8.28	181
401430175	2011	2	16	21	V	14.3	25	8.73	181
401430175	2011	2	16	22	V	16.9	6	6.92	178
401430175	2011	2	16	23	V	17.9	20	5.68	172
401430175	2011	2	16	24	V	15.8	19	4.82	172
401430175	2011	2	17	1	V	11.8	3	7.3	181
401430175	2011	2	17	2	V	9.2	3	7.4	185
401430175	2011	2	17	3	V	8.3	3	7.71	187
401430175	2011	2	17	4	V	6.4	4	7.01	190
401430175	2011	2	17	5	V	6.4	3	6.74	187
401430175	2011	2	17	6	V	8.7	3	7.54	191
401430175	2011	2	17	7	V	9.8	6	7.86	192
401430175	2011	2	17	8	V	10.5	14	7.77	192
401430175	2011	2	17	9	V	10.1	34	7.33	194
401430175	2011	2	17	10	V	16.6	32	8.9	200
401430175	2011	2	17	11	V	17.0	35	8.39	202
401430175	2011	2	17	12	V	20.1	38	9	205
401430175	2011	2	17	13	V	23.2	30	8.62	209
401430175	2011	2	17	14	V	14.7	30	7.77	198
401430175	2011	2	17	15	V	9.6	26	6.99	192
401430175	2011	2	17	16	V	9.7	42	7.38	191
401430175	2011	2	17	17	V	7.9	38	6.82	188
401430175	2011	2	17	18	V	7.2	23	6.09	189
401430175	2011	2	17	19	V	5.1	3	6.26	190
401430175	2011	2	17	20	V	12.5	2	4.34	176
401430175	2011	2	17	21	V	3.8	22	2.76	184
401430175	2011	2	17	22	V	4.5	25	3.08	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	17	23	V	10.2	12	2.4	179
401430175	2011	2	17	24	V	13.0	17	1.84	179
401430175	2011	2	18	1	V	4.6	5	1.79	195
401430175	2011	2	18	2	V	2.4	1	1.84	306
401430175	2011	2	18	3	V	12.4	1	0.8	156
401430175	2011	2	18	4	V	6.3	1	1.98	211
401430175	2011	2	18	5	V	2.1	1	4.25	5
401430175	2011	2	18	6	V	2.1	1	5.9	11
401430175	2011	2	18	7	V	1.7	1	5.38	18
401430175	2011	2	18	8	V	2.4	1	4.56	14
401430175	2011	2	18	9	V	2.1	1	4.24	16
401430175	2011	2	18	10	V	3.1	2	5.29	24
401430175	2011	2	18	11	V	4.9	1	6.69	41
401430175	2011	2	18	12	V	5.5	1	6.06	63
401430175	2011	2	18	13	V	6.3	1	5.24	59
401430175	2011	2	18	14	V	3.0	1	4.99	70
401430175	2011	2	18	15	V	2.2	1	3.69	82
401430175	2011	2	18	16	V	3.4	2	4.39	83
401430175	2011	2	18	17	V	3.5	2	3.49	103
401430175	2011	2	18	18	V	4.4	1	3.54	115
401430175	2011	2	18	19	V	2.9	1	2.98	106
401430175	2011	2	18	20	V	2.4	1	2.9	109
401430175	2011	2	18	21	V	2.7	1	2.95	113
401430175	2011	2	18	22	V	2.7	1	2.71	115
401430175	2011	2	18	23	V	3.8	1	1.72	138
401430175	2011	2	18	24	V	4.8	1	0.84	103
401430175	2011	2	19	1	V	2.9	1	1.14	122
401430175	2011	2	19	2	V	5.7	1	0.67	138
401430175	2011	2	19	3	V	1.9	1	2.1	124
401430175	2011	2	19	4	V	1.9	1	1.99	145
401430175	2011	2	19	5	V	3.0	0	1.59	156
401430175	2011	2	19	6	V	2.4	0	1.3	132
401430175	2011	2	19	7	V	2.5	1	0.99	86
401430175	2011	2	19	8	V	2.6	1	1.45	120
401430175	2011	2	19	9	V	3.9	1	2.37	150
401430175	2011	2	19	10	V	13.0	2	4.19	167
401430175	2011	2	19	11	V	13.9	2	4.88	169
401430175	2011	2	19	12	V	16.1	9	4.85	166
401430175	2011	2	19	13	V	13.3	6	4.15	161
401430175	2011	2	19	14	V	10.5	7	4.54	162
401430175	2011	2	19	15	V	15.9	3	5.12	168
401430175	2011	2	19	16	V	13.8	5	5.79	166
401430175	2011	2	19	17	V	12.7	4	5.77	164
401430175	2011	2	19	18	V	13.8	2	5.31	163
401430175	2011	2	19	19	V	12.9	2	5.38	164
401430175	2011	2	19	20	V	13.7	3	5.21	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	19	21	V	12.4	3	5.17	165
401430175	2011	2	19	22	V	14.9	14	5.77	166
401430175	2011	2	19	23	V	15.1	4	5.94	165
401430175	2011	2	19	24	V	18.1	29	6.13	169
401430175	2011	2	20	1	V	13.4	12	5.6	165
401430175	2011	2	20	2	V	8.6	5	5.73	160
401430175	2011	2	20	3	V	10.6	17	6.38	162
401430175	2011	2	20	4	V	19.1	29	6.72	171
401430175	2011	2	20	5	V	15.3	29	4.75	173
401430175	2011	2	20	6	V	12.6	24	7.37	181
401430175	2011	2	20	7	V	8.3	5	7.84	187
401430175	2011	2	20	8	V	8.8	4	7.67	189
401430175	2011	2	20	9	V	6.4	5	8.86	189
401430175	2011	2	20	10	V	8.5	5	9.59	192
401430175	2011	2	20	11	V	8.8	10	8.25	192
401430175	2011	2	20	12	V	13.3	17	8.57	194
401430175	2011	2	20	13	V	16.2	22	9.13	196
401430175	2011	2	20	14	V	12.5	23	9.93	196
401430175	2011	2	20	15	V	11.5	16	9.41	196
401430175	2011	2	20	16	V	11.4	24	8.57	194
401430175	2011	2	20	17	V	9.9	13	7.5	192
401430175	2011	2	20	18	V	6.7	4	5.89	190
401430175	2011	2	20	19	V	3.5	4	3.78	192
401430175	2011	2	20	20	V	2.7	13	2.73	188
401430175	2011	2	20	21	V	4.4	18	3.35	186
401430175	2011	2	20	22	V	4.3	3	3.68	187
401430175	2011	2	20	23	V	6.8	12	4.59	185
401430175	2011	2	20	24	V	6.5	12	4.71	185
401430175	2011	2	21	1	V	3.1	3	4.32	191
401430175	2011	2	21	2	V	3.1	8	3.92	191
401430175	2011	2	21	3	V	2.7	13	5	195
401430175	2011	2	21	4	V	16.0	4	4.46	219
401430175	2011	2	21	5	V	2.1	1	5.51	355
401430175	2011	2	21	6	V	2.0	1	5.12	348
401430175	2011	2	21	7	V	1.7	1	4.99	343
401430175	2011	2	21	8	V	2.4	1	4.85	343
401430175	2011	2	21	9	V	2.0	1	3.91	339
401430175	2011	2	21	10	V	3.1	1	4.02	328
401430175	2011	2	21	11	V	3.0	1	5.12	320
401430175	2011	2	21	12	V	5.5	1	4.85	332
401430175	2011	2	21	13	V	6.3	1	4.39	348
401430175	2011	2	21	14	V	3.0	1	3.29	333
401430175	2011	2	21	15	V	2.0	1	3.44	343
401430175	2011	2	21	16	V	4.0	1	1.93	302
401430175	2011	2	21	17	V	3.5	1	3.49	349
401430175	2011	2	21	18	V	4.4	1	2.27	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	21	19	V	2.9	1	2.3	343
401430175	2011	2	21	20	V	2.4	1	2.1	338
401430175	2011	2	21	21	V	2.6	1	2.28	346
401430175	2011	2	21	22	V	2.7	0	2.86	359
401430175	2011	2	21	23	V	3.7	1	4.03	11
401430175	2011	2	21	24	V	3.2	0	4.36	13
401430175	2011	2	22	1	V	2.3	0	3.2	5
401430175	2011	2	22	2	V	2.4	0	3.75	10
401430175	2011	2	22	3	V	1.9	0	3.27	20
401430175	2011	2	22	4	V	1.9	0	3.03	20
401430175	2011	2	22	5	V	2.1	0	2.83	28
401430175	2011	2	22	6	V	8.0	0	2.25	46
401430175	2011	2	22	7	V	2.4	1	3.54	39
401430175	2011	2	22	8	V	2.9	1	2.78	38
401430175	2011	2	22	9	V	6.3	1	2.67	43
401430175	2011	2	22	10	V	3.5	1	4.37	32
401430175	2011	2	22	11	V	5.6	1	5.05	40
401430175	2011	2	22	12	V	10.1	7	4.36	43
401430175	2011	2	22	13	V	8.0	12	1.59	127
401430175	2011	2	22	14	V	5.1	11	2.03	54
401430175	2011	2	22	15	V	2.4	2	2.83	80
401430175	2011	2	22	16	V	3.6	1	2.79	102
401430175	2011	2	22	17	V	3.6	1	3.2	113
401430175	2011	2	22	18	V	4.4	2	3.27	117
401430175	2011	2	22	19	V	3.1	3	1.45	107
401430175	2011	2	22	20	V	4.0	2	0.8	93
401430175	2011	2	22	21	V	6.0	2	0.67	27
401430175	2011	2	22	22	V	6.3	2	0.67	315
401430175	2011	2	22	23	V	28.2	2	0.96	181
401430175	2011	2	22	24	V	8.5	1	0.92	154
401430175	2011	2	23	1	V	2.4	1	2.76	148
401430175	2011	2	23	2	V	2.5	1	2.88	149
401430175	2011	2	23	3	V	2.0	1	2.78	149
401430175	2011	2	23	4	V	7.0	1	3.23	160
401430175	2011	2	23	5	V	11.4	1	4.32	165
401430175	2011	2	23	6	V	10.6	1	4.44	164
401430175	2011	2	23	7	V	12.3	2	3.9	168
401430175	2011	2	23	8	V	11.9	2	4.39	165
401430175	2011	2	23	9	V	11.4	2	4.58	165
401430175	2011	2	23	10	V	12.1	1	4.49	165
401430175	2011	2	23	11	V	13.4	4	5.24	168
401430175	2011	2	23	12	V	15.4	33	6.01	175
401430175	2011	2	23	13	V	15.4	19	5.92	180
401430175	2011	2	23	14	V	9.0	29	6.99	190
401430175	2011	2	23	15	V	11.7	20	6.77	195
401430175	2011	2	23	16	V	13.4	10	6.28	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	23	17	V	9.0	11	6.11	190
401430175	2011	2	23	18	V	12.5	24	5.31	181
401430175	2011	2	23	19	V	13.6	9	4.54	176
401430175	2011	2	23	20	V	13.5	28	4.15	172
401430175	2011	2	23	21	V	9.7	35	4.53	180
401430175	2011	2	23	22	V	12.0	12	3.42	165
401430175	2011	2	23	23	V	17.5	7	2.81	169
401430175	2011	2	23	24	V	14.4	7	1.35	163
401430175	2011	2	24	1	V	2.4	2	1.99	133
401430175	2011	2	24	2	V	2.5	2	1.77	130
401430175	2011	2	24	3	V	1.9	2	1.99	103
401430175	2011	2	24	4	V	1.9	1	2.42	116
401430175	2011	2	24	5	V	2.1	1	2.81	96
401430175	2011	2	24	6	V	2.0	1	2.89	121
401430175	2011	2	24	7	V	1.7	1	3.34	137
401430175	2011	2	24	8	V	2.4	1	3.66	137
401430175	2011	2	24	9	V	2.3	1	2.62	141
401430175	2011	2	24	10	V	3.4	1	2.64	22
401430175	2011	2	24	11	V	3.2	1	2.38	27
401430175	2011	2	24	12	V	5.5	-999	3.39	13
401430175	2011	2	24	13	V	7.6	-999	4.25	37
401430175	2011	2	24	14	V	3.0	1	3.86	26
401430175	2011	2	24	15	V	2.1	1	3.12	12
401430175	2011	2	24	16	V	3.4	2	3	2
401430175	2011	2	24	17	V	3.5	1	3.52	353
401430175	2011	2	24	18	V	4.4	1	3.27	353
401430175	2011	2	24	19	V	3.0	1	3.44	336
401430175	2011	2	24	20	V	2.5	1	4.58	324
401430175	2011	2	24	21	V	2.7	1	4.82	335
401430175	2011	2	24	22	V	2.8	1	4.78	328
401430175	2011	2	24	23	V	3.8	0	4.71	334
401430175	2011	2	24	24	V	3.3	1	4.37	341
401430175	2011	2	25	1	V	2.4	0	4.75	354
401430175	2011	2	25	2	V	2.4	0	4.82	359
401430175	2011	2	25	3	V	1.9	0	4.22	8
401430175	2011	2	25	4	V	1.9	0	4.07	5
401430175	2011	2	25	5	V	2.1	0	4.59	10
401430175	2011	2	25	6	V	2.0	0	4.68	2
401430175	2011	2	25	7	V	1.7	0	3.88	6
401430175	2011	2	25	8	V	2.4	0	3.98	3
401430175	2011	2	25	9	V	2.1	0	3.68	6
401430175	2011	2	25	10	V	3.1	0	3.03	3
401430175	2011	2	25	11	V	3.1	0	3.2	2
401430175	2011	2	25	12	V	5.5	0	3.69	13
401430175	2011	2	25	13	V	6.4	1	3.39	13
401430175	2011	2	25	14	V	3.1	1	3.3	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	25	15	V	3.8	1	3.12	38
401430175	2011	2	25	16	V	4.1	1	2.18	33
401430175	2011	2	25	17	V	3.5	1	2.15	15
401430175	2011	2	25	18	V	4.4	1	2.39	7
401430175	2011	2	25	19	V	3.0	1	3.25	17
401430175	2011	2	25	20	V	2.4	1	3.54	27
401430175	2011	2	25	21	V	2.7	0	2.03	6
401430175	2011	2	25	22	V	2.7	0	1.94	348
401430175	2011	2	25	23	V	3.8	0	2.22	359
401430175	2011	2	25	24	V	3.3	0	3.1	12
401430175	2011	2	26	1	V	2.4	0	2.98	8
401430175	2011	2	26	2	V	2.5	1	2.74	13
401430175	2011	2	26	3	V	2.0	1	2.62	19
401430175	2011	2	26	4	V	2.0	1	2.66	20
401430175	2011	2	26	5	V	2.2	1	2.83	20
401430175	2011	2	26	6	V	2.0	1	2.49	33
401430175	2011	2	26	7	V	8.0	1	2.33	43
401430175	2011	2	26	8	V	2.4	1	1.84	70
401430175	2011	2	26	9	V	2.3	1	2.22	126
401430175	2011	2	26	10	V	3.6	1	2.86	146
401430175	2011	2	26	11	V	18.5	2	3.58	168
401430175	2011	2	26	12	V	15.2	5	3.91	181
401430175	2011	2	26	13	V	14.6	13	4.36	193
401430175	2011	2	26	14	V	18.2	14	4.65	200
401430175	2011	2	26	15	V	25.9	14	4.02	213
401430175	2011	2	26	16	V	27.6	9	2.59	224
401430175	2011	2	26	17	V	5.1	3	1.08	269
401430175	2011	2	26	18	V	4.4	4	1.76	28
401430175	2011	2	26	19	V	2.9	4	2.27	23
401430175	2011	2	26	20	V	2.4	2	2.66	32
401430175	2011	2	26	21	V	2.6	2	3.13	34
401430175	2011	2	26	22	V	2.7	1	2.95	24
401430175	2011	2	26	23	V	3.8	1	2.91	22
401430175	2011	2	26	24	V	3.4	1	1.82	35
401430175	2011	2	27	1	V	2.8	1	1.18	12
401430175	2011	2	27	2	C	-999	1	0	0
401430175	2011	2	27	3	C	-999	1	0	0
401430175	2011	2	27	4	V	11.5	1	1.09	186
401430175	2011	2	27	5	V	38.6	1	1.16	173
401430175	2011	2	27	6	V	3.6	1	1.33	156
401430175	2011	2	27	7	V	14.0	4	3.52	169
401430175	2011	2	27	8	V	9.7	18	4.37	181
401430175	2011	2	27	9	V	13.4	23	5.3	176
401430175	2011	2	27	10	V	14.5	28	5.92	173
401430175	2011	2	27	11	V	18.7	32	5.63	171
401430175	2011	2	27	12	V	20.9	16	5.44	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	2	27	13	V	17.7	39	7.59	177
401430175	2011	2	27	14	V	11.1	24	8.05	180
401430175	2011	2	27	15	V	6.6	22	8.79	184
401430175	2011	2	27	16	V	8.7	11	9.02	183
401430175	2011	2	27	17	V	7.6	12	7.84	186
401430175	2011	2	27	18	V	18.7	31	5.53	175
401430175	2011	2	27	19	V	10.7	3	4.42	164
401430175	2011	2	27	20	V	13.5	12	4.51	168
401430175	2011	2	27	21	V	12.1	31	2.84	180
401430175	2011	2	27	22	V	3.5	18	4.76	192
401430175	2011	2	27	23	V	7.9	24	3.64	211
401430175	2011	2	27	24	V	3.3	12	3.46	254
401430175	2011	2	28	1	V	2.4	1	5.55	5
401430175	2011	2	28	2	V	2.4	1	3.91	358
401430175	2011	2	28	3	V	2.0	1	3.32	329
401430175	2011	2	28	4	V	2.0	1	4.65	320
401430175	2011	2	28	5	V	2.1	1	5.99	330
401430175	2011	2	28	6	V	2.0	0	6.3	350
401430175	2011	2	28	7	V	1.7	1	5.72	355
401430175	2011	2	28	8	V	2.4	0	4.99	346
401430175	2011	2	28	9	V	2.0	1	4.83	346
401430175	2011	2	28	10	V	3.0	0	4.54	344
401430175	2011	2	28	11	V	3.0	0	4.65	356
401430175	2011	2	28	12	V	5.7	1	3.91	354
401430175	2011	2	28	13	V	6.4	1	4.7	358
401430175	2011	2	28	14	V	3.1	1	4.63	11
401430175	2011	2	28	15	V	2.1	1	4.63	13
401430175	2011	2	28	16	V	3.4	1	4.12	17
401430175	2011	2	28	17	V	3.6	1	3.8	9
401430175	2011	2	28	18	V	4.4	0	4.1	26
401430175	2011	2	28	19	V	2.9	1	2.62	32
401430175	2011	2	28	20	V	2.4	1	2.28	25
401430175	2011	2	28	21	V	3.8	1	1.09	35
401430175	2011	2	28	22	C	-999	1	0	0
401430175	2011	2	28	23	V	6.9	1	0.69	263
401430175	2011	2	28	24	V	5.2	1	0.8	272
401430175	2011	3	1	1	V	41.8	1	0.87	226
401430175	2011	3	1	2	V	21.7	1	0.67	238
401430175	2011	3	1	3	C	-999	1	0	0
401430175	2011	3	1	4	V	44.7	1	0.67	225
401430175	2011	3	1	5	V	42.9	1	0.53	212
401430175	2011	3	1	6	V	43.3	3	0.79	220
401430175	2011	3	1	7	V	29.5	4	1.03	213
401430175	2011	3	1	8	V	26.8	14	1.25	177
401430175	2011	3	1	9	V	12.3	20	1.79	171
401430175	2011	3	1	10	V	10.3	16	4.15	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	1	11	V	8.7	7	4.75	190
401430175	2011	3	1	12	V	8.6	12	5.48	189
401430175	2011	3	1	13	V	15.6	27	5.38	205
401430175	2011	3	1	14	V	18.0	29	5.73	209
401430175	2011	3	1	15	V	18.0	24	5.34	209
401430175	2011	3	1	16	V	18.8	19	4.83	213
401430175	2011	3	1	17	V	23.3	22	4	215
401430175	2011	3	1	18	V	6.2	23	3.63	203
401430175	2011	3	1	19	V	2.9	13	1.65	190
401430175	2011	3	1	20	V	6.9	6	1.55	198
401430175	2011	3	1	21	V	5.5	2	0.86	41
401430175	2011	3	1	22	V	5.6	6	0.6	305
401430175	2011	3	1	23	V	44.2	9	0.67	215
401430175	2011	3	1	24	V	40.9	1	0.8	216
401430175	2011	3	2	1	V	6.4	12	0.65	253
401430175	2011	3	2	2	C	-999	6	0	0
401430175	2011	3	2	3	C	-999	2	0	0
401430175	2011	3	2	4	C	-999	1	0	0
401430175	2011	3	2	5	C	-999	1	0	0
401430175	2011	3	2	6	V	1.2	1	1.04	347
401430175	2011	3	2	7	V	1.1	1	2.04	11
401430175	2011	3	2	8	V	4.2	1	1.3	25
401430175	2011	3	2	9	V	10.6	2	0.7	64
401430175	2011	3	2	10	V	6.4	1	1.33	74
401430175	2011	3	2	11	V	2.9	1	2.1	93
401430175	2011	3	2	12	V	3.3	2	2.35	129
401430175	2011	3	2	13	V	4.3	2	2.83	144
401430175	2011	3	2	14	V	3.0	1	3	110
401430175	2011	3	2	15	V	2.2	2	3.66	104
401430175	2011	3	2	16	V	2.3	2	4.66	132
401430175	2011	3	2	17	V	3.9	2	4.75	131
401430175	2011	3	2	18	V	3.9	2	3.95	145
401430175	2011	3	2	19	V	10.3	2	2.88	166
401430175	2011	3	2	20	V	2.9	1	2.22	138
401430175	2011	3	2	21	V	2.9	1	1.87	153
401430175	2011	3	2	22	V	30.9	1	0.96	167
401430175	2011	3	2	23	V	45.2	1	0.82	224
401430175	2011	3	2	24	V	15.4	1	1.6	178
401430175	2011	3	3	1	V	17.8	1	1.37	165
401430175	2011	3	3	2	V	1.0	1	2.23	154
401430175	2011	3	3	3	V	27.2	1	1.11	167
401430175	2011	3	3	4	V	4.1	1	2.79	163
401430175	2011	3	3	5	V	2.4	1	3.29	155
401430175	2011	3	3	6	V	15.0	1	1.81	176
401430175	2011	3	3	7	V	1.6	1	2.83	157
401430175	2011	3	3	8	V	4.8	1	2.74	153

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	3	9	V	2.1	1	4.03	149
401430175	2011	3	3	10	V	7.2	3	5.45	160
401430175	2011	3	3	11	V	10.0	3	5.99	166
401430175	2011	3	3	12	V	7.8	9	6.11	162
401430175	2011	3	3	13	V	9.9	5	5.85	167
401430175	2011	3	3	14	V	10.9	9	7.01	171
401430175	2011	3	3	15	V	10.7	21	7.45	172
401430175	2011	3	3	16	V	11.4	30	7.11	170
401430175	2011	3	3	17	V	10.2	25	7.46	182
401430175	2011	3	3	18	V	11.0	11	3.36	179
401430175	2011	3	3	19	V	14.4	7	2.36	173
401430175	2011	3	3	20	V	3.2	3	2.36	156
401430175	2011	3	3	21	V	15.8	2	2.86	172
401430175	2011	3	3	22	V	5.3	3	1.33	193
401430175	2011	3	3	23	V	11.3	3	1.21	183
401430175	2011	3	3	24	V	2.8	2	1.42	156
401430175	2011	3	4	1	V	14.5	2	1.54	165
401430175	2011	3	4	2	V	17.1	2	1.38	165
401430175	2011	3	4	3	V	1.3	2	1.74	157
401430175	2011	3	4	4	V	0.6	2	2.35	148
401430175	2011	3	4	5	V	1.4	2	2.42	150
401430175	2011	3	4	6	V	0.5	1	2.2	143
401430175	2011	3	4	7	V	1.6	1	2.88	151
401430175	2011	3	4	8	V	4.8	1	3.34	151
401430175	2011	3	4	9	V	4.7	1	3.73	157
401430175	2011	3	4	10	V	12.3	4	4.78	173
401430175	2011	3	4	11	V	12.2	12	5.46	178
401430175	2011	3	4	12	V	9.1	11	5.67	182
401430175	2011	3	4	13	V	13.6	12	4.36	199
401430175	2011	3	4	14	V	23.9	22	3.12	222
401430175	2011	3	4	15	V	2.8	10	1.47	267
401430175	2011	3	4	16	V	2.2	1	3.25	300
401430175	2011	3	4	17	V	3.7	1	4.63	349
401430175	2011	3	4	18	V	3.8	1	4.71	354
401430175	2011	3	4	19	V	1.6	1	4.58	347
401430175	2011	3	4	20	V	3.0	1	5.63	349
401430175	2011	3	4	21	V	2.8	1	5.19	353
401430175	2011	3	4	22	V	1.5	0	5.51	356
401430175	2011	3	4	23	V	1.2	0	5.8	357
401430175	2011	3	4	24	V	1.6	0	5.44	351
401430175	2011	3	5	1	V	1.4	0	5	342
401430175	2011	3	5	2	V	1.0	0	4.68	347
401430175	2011	3	5	3	V	0.5	0	4.9	346
401430175	2011	3	5	4	V	0.6	0	5.5	347
401430175	2011	3	5	5	V	1.5	1	4.9	347
401430175	2011	3	5	6	V	0.6	0	3.98	347

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	5	7	V	1.2	0	4.68	338
401430175	2011	3	5	8	V	4.0	0	4.95	337
401430175	2011	3	5	9	V	1.4	0	4.49	349
401430175	2011	3	5	10	V	2.5	0	4.54	348
401430175	2011	3	5	11	V	2.2	0	4.36	343
401430175	2011	3	5	12	V	2.4	0	5.12	344
401430175	2011	3	5	13	V	2.5	0	5.26	1
401430175	2011	3	5	14	V	2.5	0	5.67	5
401430175	2011	3	5	15	V	1.9	0	5.36	4
401430175	2011	3	5	16	V	2.2	0	5.31	359
401430175	2011	3	5	17	V	3.8	0	4.54	359
401430175	2011	3	5	18	V	3.8	0	3.73	3
401430175	2011	3	5	19	V	1.5	0	3.08	20
401430175	2011	3	5	20	V	3.0	1	1.93	7
401430175	2011	3	5	21	V	2.7	0	2.37	22
401430175	2011	3	5	22	V	1.5	0	1.54	2
401430175	2011	3	5	23	V	1.1	0	1.84	9
401430175	2011	3	5	24	V	2.0	0	1.08	340
401430175	2011	3	6	1	V	1.8	0	1.09	3
401430175	2011	3	6	2	V	1.9	0	0.92	7
401430175	2011	3	6	3	V	0.8	1	1.25	16
401430175	2011	3	6	4	V	0.8	0	1.33	16
401430175	2011	3	6	5	V	1.5	0	1.55	13
401430175	2011	3	6	6	V	0.8	1	1.28	22
401430175	2011	3	6	7	V	3.7	0	0.7	296
401430175	2011	3	6	8	V	18.3	1	0.82	189
401430175	2011	3	6	9	V	1.7	2	2.66	136
401430175	2011	3	6	10	V	3.1	2	2.76	133
401430175	2011	3	6	11	V	2.9	1	2.2	129
401430175	2011	3	6	12	V	3.7	1	2.32	136
401430175	2011	3	6	13	V	4.3	4	2.57	142
401430175	2011	3	6	14	V	7.2	3	4.14	159
401430175	2011	3	6	15	V	7.3	2	4.51	161
401430175	2011	3	6	16	V	6.2	1	4.05	156
401430175	2011	3	6	17	V	4.8	1	4.48	149
401430175	2011	3	6	18	V	3.8	1	4.22	138
401430175	2011	3	6	19	V	1.5	1	4.2	136
401430175	2011	3	6	20	V	2.9	1	3.8	139
401430175	2011	3	6	21	V	2.7	1	3.9	139
401430175	2011	3	6	22	V	1.4	1	4.39	138
401430175	2011	3	6	23	V	1.1	1	3.81	144
401430175	2011	3	6	24	V	1.5	1	3.18	146
401430175	2011	3	7	1	V	1.3	1	3.29	144
401430175	2011	3	7	2	V	0.9	1	3.54	144
401430175	2011	3	7	3	V	1.3	1	3.95	154
401430175	2011	3	7	4	V	0.7	1	4.46	148

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	7	5	V	1.7	1	4.48	149
401430175	2011	3	7	6	V	0.6	1	4.58	142
401430175	2011	3	7	7	V	1.1	1	5.51	140
401430175	2011	3	7	8	V	4.0	1	5.51	134
401430175	2011	3	7	9	V	1.4	1	5.8	139
401430175	2011	3	7	10	V	3.3	1	5.68	151
401430175	2011	3	7	11	V	3.9	1	6.74	155
401430175	2011	3	7	12	V	4.9	1	7.28	157
401430175	2011	3	7	13	V	9.6	1	6.43	166
401430175	2011	3	7	14	V	6.1	6	6.24	158
401430175	2011	3	7	15	V	1.9	1	6.87	118
401430175	2011	3	7	16	V	2.1	1	6.91	111
401430175	2011	3	7	17	V	3.7	1	7.08	119
401430175	2011	3	7	18	V	3.8	1	6.11	123
401430175	2011	3	7	19	V	1.6	1	4.88	124
401430175	2011	3	7	20	V	3.0	2	3.86	124
401430175	2011	3	7	21	V	2.8	3	3.18	112
401430175	2011	3	7	22	V	1.5	2	3.64	105
401430175	2011	3	7	23	V	1.1	1	4.49	108
401430175	2011	3	7	24	V	1.5	3	4.49	109
401430175	2011	3	8	1	V	1.4	3	4.6	113
401430175	2011	3	8	2	V	1.0	2	4.2	107
401430175	2011	3	8	3	V	0.5	1	5.38	109
401430175	2011	3	8	4	V	0.6	1	5.05	112
401430175	2011	3	8	5	V	1.5	1	3.12	74
401430175	2011	3	8	6	V	0.6	1	3.05	65
401430175	2011	3	8	7	V	1.1	1	2.2	75
401430175	2011	3	8	8	V	4.0	1	3.37	115
401430175	2011	3	8	9	V	1.6	1	2.61	80
401430175	2011	3	8	10	V	4.9	1	2.64	45
401430175	2011	3	8	11	V	3.8	1	2.79	39
401430175	2011	3	8	12	V	2.5	1	3.08	81
401430175	2011	3	8	13	V	3.2	1	1.76	62
401430175	2011	3	8	14	V	2.8	1	2.33	13
401430175	2011	3	8	15	V	2.0	1	3.1	13
401430175	2011	3	8	16	V	2.2	1	3.66	9
401430175	2011	3	8	17	V	3.8	1	3.74	356
401430175	2011	3	8	18	V	3.9	1	2.91	2
401430175	2011	3	8	19	V	1.6	1	1.62	349
401430175	2011	3	8	20	V	3.0	1	2.18	328
401430175	2011	3	8	21	V	2.8	1	3.44	322
401430175	2011	3	8	22	V	1.5	1	2.66	337
401430175	2011	3	8	23	V	1.2	1	3.12	347
401430175	2011	3	8	24	V	1.5	1	3.54	343
401430175	2011	3	9	1	V	1.4	1	3.3	336
401430175	2011	3	9	2	V	1.0	1	3.3	331

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	9	3	V	0.6	1	2.96	319
401430175	2011	3	9	4	V	0.6	1	3.2	314
401430175	2011	3	9	5	V	1.5	1	3.29	328
401430175	2011	3	9	6	V	0.6	1	3.24	319
401430175	2011	3	9	7	V	1.2	1	3.61	312
401430175	2011	3	9	8	V	4.1	1	3.18	316
401430175	2011	3	9	9	V	1.4	1	3.69	304
401430175	2011	3	9	10	V	2.6	1	3.91	310
401430175	2011	3	9	11	V	2.1	1	4.07	311
401430175	2011	3	9	12	V	2.5	1	3.58	304
401430175	2011	3	9	13	V	2.5	1	4.27	296
401430175	2011	3	9	14	V	2.5	0	4.27	297
401430175	2011	3	9	15	V	2.0	0	4.41	301
401430175	2011	3	9	16	V	2.2	0	4.53	310
401430175	2011	3	9	17	V	3.8	0	4.76	322
401430175	2011	3	9	18	V	3.8	0	4.09	330
401430175	2011	3	9	19	V	1.6	0	2.76	328
401430175	2011	3	9	20	V	3.4	0	0.97	303
401430175	2011	3	9	21	V	4.0	1	0.82	266
401430175	2011	3	9	22	V	1.5	1	1.67	282
401430175	2011	3	9	23	V	1.1	0	2.61	314
401430175	2011	3	9	24	V	1.5	0	2.93	323
401430175	2011	3	10	1	V	1.4	0	3.47	328
401430175	2011	3	10	2	V	1.0	0	4.32	338
401430175	2011	3	10	3	V	0.5	0	3.42	333
401430175	2011	3	10	4	V	0.6	0	2.23	317
401430175	2011	3	10	5	V	1.5	0	1.5	308
401430175	2011	3	10	6	V	0.8	0	1.26	305
401430175	2011	3	10	7	V	1.2	0	1.5	323
401430175	2011	3	10	8	V	4.1	0	2.83	357
401430175	2011	3	10	9	V	1.6	0	3.15	342
401430175	2011	3	10	10	V	2.7	0	3.44	1
401430175	2011	3	10	11	V	2.2	1	4.24	16
401430175	2011	3	10	12	V	2.8	0	3.05	344
401430175	2011	3	10	13	V	3.0	0	3.13	336
401430175	2011	3	10	14	V	3.0	-999	2.91	314
401430175	2011	3	10	15	V	2.8	1	2.33	313
401430175	2011	3	10	16	V	2.9	1	2.47	315
401430175	2011	3	10	17	V	4.2	1	2.86	312
401430175	2011	3	10	18	V	3.9	0	1.64	329
401430175	2011	3	10	19	C	-999	1	0	0
401430175	2011	3	10	20	V	7.7	1	0.6	259
401430175	2011	3	10	21	V	44.7	2	0.67	214
401430175	2011	3	10	22	V	12.8	1	1.01	186
401430175	2011	3	10	23	V	8.2	1	1.81	180
401430175	2011	3	10	24	V	10.6	1	2.28	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	11	1	V	12.0	2	2.3	167
401430175	2011	3	11	2	V	3.2	3	1.47	158
401430175	2011	3	11	3	V	14.9	1	0.96	199
401430175	2011	3	11	4	V	35.3	2	0.97	215
401430175	2011	3	11	5	V	13.6	11	0.96	196
401430175	2011	3	11	6	V	27.1	4	1.09	177
401430175	2011	3	11	7	V	21.1	2	1.31	166
401430175	2011	3	11	8	V	27.9	6	1.21	167
401430175	2011	3	11	9	V	9.6	27	4.17	178
401430175	2011	3	11	10	V	7.5	20	6.64	188
401430175	2011	3	11	11	V	9.2	17	8.49	196
401430175	2011	3	11	12	V	7.2	20	10.05	192
401430175	2011	3	11	13	V	8.0	15	9.63	193
401430175	2011	3	11	14	V	7.9	19	10.04	193
401430175	2011	3	11	15	V	6.2	13	9.88	188
401430175	2011	3	11	16	V	7.4	11	8.71	191
401430175	2011	3	11	17	V	8.9	14	9.08	192
401430175	2011	3	11	18	V	8.7	15	7.26	192
401430175	2011	3	11	19	V	4.0	4	4.97	187
401430175	2011	3	11	20	V	12.4	8	3.9	170
401430175	2011	3	11	21	V	11.7	25	2.1	178
401430175	2011	3	11	22	V	6.4	5	1.77	162
401430175	2011	3	11	23	V	15.1	2	2.49	171
401430175	2011	3	11	24	V	4.0	2	1.08	154
401430175	2011	3	12	1	V	44.2	3	0.96	220
401430175	2011	3	12	2	V	48.5	8	0.62	221
401430175	2011	3	12	3	V	0.8	3	1.23	353
401430175	2011	3	12	4	V	0.6	2	2.42	13
401430175	2011	3	12	5	V	1.4	1	2.4	16
401430175	2011	3	12	6	V	0.9	1	1.14	348
401430175	2011	3	12	7	V	39.8	1	0.63	210
401430175	2011	3	12	8	V	34.8	2	0.62	202
401430175	2011	3	12	9	V	6.4	3	2.04	154
401430175	2011	3	12	10	V	9.6	2	3.15	162
401430175	2011	3	12	11	V	4.2	2	2.79	148
401430175	2011	3	12	12	V	2.9	2	2.59	123
401430175	2011	3	12	13	V	3.4	2	2.3	101
401430175	2011	3	12	14	V	3.2	2	2.55	25
401430175	2011	3	12	15	V	2.2	2	2.89	27
401430175	2011	3	12	16	V	2.3	2	3.41	17
401430175	2011	3	12	17	V	3.8	2	3.78	31
401430175	2011	3	12	18	V	3.8	2	4.95	18
401430175	2011	3	12	19	V	1.6	1	5.97	35
401430175	2011	3	12	20	V	3.0	1	4.32	30
401430175	2011	3	12	21	V	2.8	1	4.44	28
401430175	2011	3	12	22	V	1.5	2	3.8	20

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	12	23	V	1.2	3	4.2	18
401430175	2011	3	12	24	V	1.6	2	4.58	24
401430175	2011	3	13	1	V	1.4	1	4.99	30
401430175	2011	3	13	2	V	1.0	1	4.76	27
401430175	2011	3	13	3	V	0.5	1	4.07	26
401430175	2011	3	13	4	V	0.6	1	4.54	23
401430175	2011	3	13	5	V	1.5	1	5.63	28
401430175	2011	3	13	6	V	0.5	1	4.9	30
401430175	2011	3	13	7	V	1.2	1	4.54	25
401430175	2011	3	13	8	V	4.0	1	4.66	35
401430175	2011	3	13	9	V	1.4	1	4.87	44
401430175	2011	3	13	10	V	2.6	1	3.83	23
401430175	2011	3	13	11	V	2.1	1	3.8	26
401430175	2011	3	13	12	V	2.4	1	4.14	28
401430175	2011	3	13	13	V	2.5	1	3.97	31
401430175	2011	3	13	14	V	2.6	1	3.25	26
401430175	2011	3	13	15	V	1.9	1	3.15	26
401430175	2011	3	13	16	V	2.1	1	4.07	10
401430175	2011	3	13	17	V	3.7	1	4.39	2
401430175	2011	3	13	18	V	3.9	1	5.51	19
401430175	2011	3	13	19	V	1.6	1	5.1	26
401430175	2011	3	13	20	V	3.0	1	3.93	25
401430175	2011	3	13	21	V	2.8	1	3.66	353
401430175	2011	3	13	22	V	1.5	1	4.85	356
401430175	2011	3	13	23	V	1.2	1	5.21	347
401430175	2011	3	13	24	V	1.6	0	5.44	355
401430175	2011	3	14	1	V	1.4	1	5.73	5
401430175	2011	3	14	2	V	1.0	0	4.92	352
401430175	2011	3	14	3	V	0.5	0	4.82	350
401430175	2011	3	14	4	V	0.6	0	4.78	344
401430175	2011	3	14	5	V	1.5	1	4.59	347
401430175	2011	3	14	6	V	0.6	1	4.78	343
401430175	2011	3	14	7	V	1.2	1	5.46	354
401430175	2011	3	14	8	V	4.1	0	5.5	1
401430175	2011	3	14	9	V	1.3	0	5.53	359
401430175	2011	3	14	10	V	2.5	0	5.21	360
401430175	2011	3	14	11	V	2.0	1	4.9	356
401430175	2011	3	14	12	V	2.4	0	4.36	348
401430175	2011	3	14	13	V	2.5	0	3.93	340
401430175	2011	3	14	14	V	2.5	0	4.14	326
401430175	2011	3	14	15	V	1.9	0	4.14	330
401430175	2011	3	14	16	V	2.2	0	3.97	333
401430175	2011	3	14	17	V	3.8	0	3.34	334
401430175	2011	3	14	18	V	4.0	0	2.55	326
401430175	2011	3	14	19	V	1.6	0	3.41	7
401430175	2011	3	14	20	V	3.0	0	2.96	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	14	21	V	2.8	0	2.36	348
401430175	2011	3	14	22	V	1.5	0	3.36	30
401430175	2011	3	14	23	V	1.1	0	3.36	17
401430175	2011	3	14	24	V	1.5	0	3.86	20
401430175	2011	3	15	1	V	1.4	0	2.47	20
401430175	2011	3	15	2	V	1.0	0	2.81	21
401430175	2011	3	15	3	V	0.5	0	2.57	17
401430175	2011	3	15	4	V	0.6	0	2.56	11
401430175	2011	3	15	5	C	-999	0	0	0
401430175	2011	3	15	6	V	0.6	0	1.76	46
401430175	2011	3	15	7	C	-999	0	0	0
401430175	2011	3	15	8	V	4.7	1	0.95	54
401430175	2011	3	15	9	V	7.8	7	1.16	142
401430175	2011	3	15	10	V	19.1	21	1.62	209
401430175	2011	3	15	11	V	5.9	22	1.23	126
401430175	2011	3	15	12	V	6.6	24	1.31	152
401430175	2011	3	15	13	V	3.7	5	1.98	90
401430175	2011	3	15	14	V	4.6	5	1.72	129
401430175	2011	3	15	15	V	4.6	7	1.42	125
401430175	2011	3	15	16	V	3.2	4	1.98	88
401430175	2011	3	15	17	V	4.3	1	2.47	118
401430175	2011	3	15	18	V	3.9	1	2.83	134
401430175	2011	3	15	19	V	1.5	1	2.86	135
401430175	2011	3	15	20	V	3.3	1	1.77	155
401430175	2011	3	15	21	V	25.3	1	0.69	163
401430175	2011	3	15	22	V	2.7	1	0.86	126
401430175	2011	3	15	23	V	16.8	2	1.35	165
401430175	2011	3	15	24	V	14.1	2	1.25	181
401430175	2011	3	16	1	V	2.3	2	1.69	189
401430175	2011	3	16	2	V	4.9	2	2.15	181
401430175	2011	3	16	3	V	30.7	4	0.75	232
401430175	2011	3	16	4	V	25.0	2	0.8	164
401430175	2011	3	16	5	V	13.8	1	1.59	165
401430175	2011	3	16	6	V	2.4	1	0.72	266
401430175	2011	3	16	7	V	2.2	1	0.87	84
401430175	2011	3	16	8	V	15.5	1	1.45	159
401430175	2011	3	16	9	V	3.6	1	2.57	150
401430175	2011	3	16	10	V	6.4	2	3.95	157
401430175	2011	3	16	11	V	10.3	9	5.48	165
401430175	2011	3	16	12	V	14.2	23	6.23	173
401430175	2011	3	16	13	V	13.5	26	6.31	175
401430175	2011	3	16	14	V	10.2	18	6.06	169
401430175	2011	3	16	15	V	9.1	13	6.45	166
401430175	2011	3	16	16	V	11.4	7	7.25	172
401430175	2011	3	16	17	V	9.3	26	7.23	186
401430175	2011	3	16	18	V	8.6	11	7.42	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	16	19	V	13.3	16	5.73	176
401430175	2011	3	16	20	V	12.4	27	4.9	166
401430175	2011	3	16	21	V	12.7	5	4.71	167
401430175	2011	3	16	22	V	13.7	7	4.8	173
401430175	2011	3	16	23	V	8.7	5	6.99	184
401430175	2011	3	16	24	V	9.1	3	6.6	182
401430175	2011	3	17	1	V	10.0	4	6.01	180
401430175	2011	3	17	2	V	13.0	11	6.38	178
401430175	2011	3	17	3	V	10.0	4	7.13	182
401430175	2011	3	17	4	V	7.9	3	7.28	185
401430175	2011	3	17	5	V	9.9	6	7.06	183
401430175	2011	3	17	6	V	10.1	9	7.15	182
401430175	2011	3	17	7	V	10.2	12	6.92	182
401430175	2011	3	17	8	V	9.2	9	6.87	183
401430175	2011	3	17	9	V	5.6	6	7.28	184
401430175	2011	3	17	10	V	6.8	8	8.03	191
401430175	2011	3	17	11	V	8.2	30	8.4	194
401430175	2011	3	17	12	V	6.6	28	9.36	188
401430175	2011	3	17	13	V	7.8	13	8.42	191
401430175	2011	3	17	14	V	7.8	19	8.5	184
401430175	2011	3	17	15	V	6.7	26	8.64	189
401430175	2011	3	17	16	V	7.2	26	8.23	190
401430175	2011	3	17	17	V	8.4	37	7.76	187
401430175	2011	3	17	18	V	7.3	20	7.23	187
401430175	2011	3	17	19	V	7.6	6	4.58	181
401430175	2011	3	17	20	V	13.3	18	4.03	171
401430175	2011	3	17	21	V	12.3	27	3.91	169
401430175	2011	3	17	22	V	7.5	3	3.61	163
401430175	2011	3	17	23	V	10.3	14	3.3	166
401430175	2011	3	17	24	V	3.1	15	2.5	160
401430175	2011	3	18	1	V	1.3	4	2.3	149
401430175	2011	3	18	2	V	3.0	3	2.57	161
401430175	2011	3	18	3	V	9.8	6	2.28	166
401430175	2011	3	18	4	V	17.1	2	1	162
401430175	2011	3	18	5	V	2.5	2	0.88	331
401430175	2011	3	18	6	C	-999	1	0	0
401430175	2011	3	18	7	V	30.5	1	0.87	210
401430175	2011	3	18	8	V	24.7	2	0.89	199
401430175	2011	3	18	9	V	12.1	5	1.77	168
401430175	2011	3	18	10	V	10.9	12	2.95	182
401430175	2011	3	18	11	V	11.0	3	2.38	192
401430175	2011	3	18	12	V	2.3	1	5.6	2
401430175	2011	3	18	13	V	2.4	1	6.72	12
401430175	2011	3	18	14	V	2.4	1	6.07	11
401430175	2011	3	18	15	V	1.8	1	6.8	16
401430175	2011	3	18	16	V	2.1	1	6.79	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	18	17	V	3.7	1	7.3	25
401430175	2011	3	18	18	V	3.8	1	6.97	26
401430175	2011	3	18	19	V	1.6	1	5.79	37
401430175	2011	3	18	20	V	3.0	1	5.55	28
401430175	2011	3	18	21	V	2.8	1	5.41	31
401430175	2011	3	18	22	V	1.5	1	5.02	32
401430175	2011	3	18	23	V	1.1	1	4.85	31
401430175	2011	3	18	24	V	1.5	1	3.97	33
401430175	2011	3	19	1	V	1.4	1	3.95	41
401430175	2011	3	19	2	V	1.0	1	3.78	50
401430175	2011	3	19	3	V	0.5	1	3.59	44
401430175	2011	3	19	4	V	0.6	1	3.66	42
401430175	2011	3	19	5	V	1.4	1	3.32	58
401430175	2011	3	19	6	V	0.5	1	3.13	43
401430175	2011	3	19	7	V	1.1	1	3.86	52
401430175	2011	3	19	8	V	4.1	1	3.96	61
401430175	2011	3	19	9	V	1.4	1	4.86	137
401430175	2011	3	19	10	V	3.3	2	6.46	152
401430175	2011	3	19	11	V	7.8	1	6.16	163
401430175	2011	3	19	12	V	4.5	1	4.76	156
401430175	2011	3	19	13	V	3.0	1	2.61	145
401430175	2011	3	19	14	V	2.8	4	2.11	53
401430175	2011	3	19	15	V	4.9	3	2.54	152
401430175	2011	3	19	16	V	2.3	2	3.59	70
401430175	2011	3	19	17	V	3.9	1	3.93	41
401430175	2011	3	19	18	V	3.8	2	6.33	115
401430175	2011	3	19	19	V	1.6	2	5.73	134
401430175	2011	3	19	20	V	3.0	1	5.21	139
401430175	2011	3	19	21	V	2.7	1	4.24	141
401430175	2011	3	19	22	V	1.5	1	3.44	148
401430175	2011	3	19	23	V	3.0	1	3.78	157
401430175	2011	3	19	24	V	3.4	1	3.58	157
401430175	2011	3	20	1	V	1.5	1	4.22	149
401430175	2011	3	20	2	V	4.6	3	4.05	160
401430175	2011	3	20	3	V	6.6	1	3.22	163
401430175	2011	3	20	4	V	9.0	3	4.73	165
401430175	2011	3	20	5	V	9.7	14	4.63	165
401430175	2011	3	20	6	V	9.2	5	4.92	165
401430175	2011	3	20	7	V	5.6	3	4.17	161
401430175	2011	3	20	8	V	14.6	3	3.8	169
401430175	2011	3	20	9	V	8.7	16	4.87	182
401430175	2011	3	20	10	V	7.4	10	7.4	189
401430175	2011	3	20	11	V	8.4	19	8.03	194
401430175	2011	3	20	12	V	7.4	16	7.76	188
401430175	2011	3	20	13	V	8.2	21	7.84	184
401430175	2011	3	20	14	V	8.0	33	8.3	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	20	15	V	9.4	34	8.06	195
401430175	2011	3	20	16	V	8.3	27	7.76	189
401430175	2011	3	20	17	V	9.3	33	8.11	190
401430175	2011	3	20	18	V	9.3	22	7.28	192
401430175	2011	3	20	19	V	3.0	5	5.44	192
401430175	2011	3	20	20	V	5.4	2	4.78	187
401430175	2011	3	20	21	V	11.6	3	4.61	178
401430175	2011	3	20	22	V	14.5	9	5.56	172
401430175	2011	3	20	23	V	12.1	28	3.46	170
401430175	2011	3	20	24	V	14.6	15	2.57	173
401430175	2011	3	21	1	V	11.1	11	1.57	180
401430175	2011	3	21	2	V	12.9	9	2.22	176
401430175	2011	3	21	3	V	13.5	2	2.9	172
401430175	2011	3	21	4	V	12.4	2	2.67	169
401430175	2011	3	21	5	V	2.1	4	1.26	152
401430175	2011	3	21	6	V	0.5	8	1.99	143
401430175	2011	3	21	7	V	14.1	16	2.91	172
401430175	2011	3	21	8	V	14.2	22	3.68	176
401430175	2011	3	21	9	V	7.0	18	6.05	184
401430175	2011	3	21	10	V	6.9	11	6.97	186
401430175	2011	3	21	11	V	7.3	15	7.2	192
401430175	2011	3	21	12	V	6.9	24	6.75	185
401430175	2011	3	21	13	V	7.3	13	6.41	185
401430175	2011	3	21	14	V	7.4	13	7.08	184
401430175	2011	3	21	15	V	12.0	11	6.21	177
401430175	2011	3	21	16	V	12.6	23	6.06	177
401430175	2011	3	21	17	V	16.4	25	6.28	174
401430175	2011	3	21	18	V	17.3	29	6.81	173
401430175	2011	3	21	19	V	13.8	29	4.71	171
401430175	2011	3	21	20	V	16.2	12	3.07	169
401430175	2011	3	21	21	V	3.5	5	3.27	154
401430175	2011	3	21	22	V	4.1	1	4.07	158
401430175	2011	3	21	23	V	8.9	8	4.73	164
401430175	2011	3	21	24	V	12.5	21	4.63	169
401430175	2011	3	22	1	V	12.7	23	5.89	177
401430175	2011	3	22	2	V	6.0	33	6.57	185
401430175	2011	3	22	3	V	6.8	12	7.23	185
401430175	2011	3	22	4	V	5.2	4	6.94	188
401430175	2011	3	22	5	V	6.7	4	6.65	185
401430175	2011	3	22	6	V	7.1	4	6.52	183
401430175	2011	3	22	7	V	10.2	5	6.94	181
401430175	2011	3	22	8	V	10.2	5	7.3	181
401430175	2011	3	22	9	V	5.8	5	7.48	187
401430175	2011	3	22	10	V	7.7	10	8.76	183
401430175	2011	3	22	11	V	6.2	8	8.33	188
401430175	2011	3	22	12	V	9.3	22	8.18	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	22	13	V	6.9	16	9.13	191
401430175	2011	3	22	14	V	6.7	12	8.74	188
401430175	2011	3	22	15	V	7.4	15	9.44	193
401430175	2011	3	22	16	V	6.7	14	9.27	190
401430175	2011	3	22	17	V	7.9	12	8.95	187
401430175	2011	3	22	18	V	7.8	8	8.08	185
401430175	2011	3	22	19	V	8.1	6	7.91	188
401430175	2011	3	22	20	V	9.6	3	7.16	193
401430175	2011	3	22	21	V	9.1	26	6.4	202
401430175	2011	3	22	22	V	3.9	41	5.9	197
401430175	2011	3	22	23	V	2.6	39	3.95	207
401430175	2011	3	22	24	V	2.5	45	2.93	204
401430175	2011	3	23	1	V	11.2	22	3.34	218
401430175	2011	3	23	2	V	13.3	2	1.62	230
401430175	2011	3	23	3	V	0.6	2	1.47	258
401430175	2011	3	23	4	V	0.6	2	1.62	283
401430175	2011	3	23	5	V	1.6	2	1.54	248
401430175	2011	3	23	6	V	0.5	2	2.57	274
401430175	2011	3	23	7	V	1.1	1	3.1	299
401430175	2011	3	23	8	V	4.3	2	2.5	299
401430175	2011	3	23	9	V	1.5	1	4.05	316
401430175	2011	3	23	10	V	2.6	1	4.66	324
401430175	2011	3	23	11	V	2.1	1	5.04	321
401430175	2011	3	23	12	V	2.5	1	5.41	318
401430175	2011	3	23	13	V	2.6	1	5.41	317
401430175	2011	3	23	14	V	2.7	1	5.46	324
401430175	2011	3	23	15	V	2.0	1	6.09	335
401430175	2011	3	23	16	V	2.4	1	4.97	317
401430175	2011	3	23	17	V	4.0	1	4.54	322
401430175	2011	3	23	18	V	3.9	1	4.1	331
401430175	2011	3	23	19	V	1.6	1	3.42	338
401430175	2011	3	23	20	V	2.9	1	2.88	334
401430175	2011	3	23	21	V	2.7	1	2.33	333
401430175	2011	3	23	22	V	1.5	2	1.74	348
401430175	2011	3	23	23	V	1.1	1	2.49	14
401430175	2011	3	23	24	V	1.5	1	4.07	15
401430175	2011	3	24	1	V	1.4	1	5.96	13
401430175	2011	3	24	2	V	1.0	1	5.34	16
401430175	2011	3	24	3	V	0.5	1	5.05	15
401430175	2011	3	24	4	V	0.6	1	3.58	8
401430175	2011	3	24	5	V	1.5	1	3.25	9
401430175	2011	3	24	6	V	0.6	1	3.63	7
401430175	2011	3	24	7	V	1.1	1	4.24	12
401430175	2011	3	24	8	V	4.1	1	5.22	12
401430175	2011	3	24	9	V	1.4	1	4.8	22
401430175	2011	3	24	10	V	2.6	1	5.07	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	24	11	V	2.8	1	4.97	37
401430175	2011	3	24	12	V	2.7	1	4.42	32
401430175	2011	3	24	13	V	3.9	4	3.44	41
401430175	2011	3	24	14	V	3.8	2	2.86	42
401430175	2011	3	24	15	V	2.9	1	2.57	59
401430175	2011	3	24	16	V	2.9	1	2.73	79
401430175	2011	3	24	17	V	4.0	1	4.2	75
401430175	2011	3	24	18	V	3.9	0	3.66	92
401430175	2011	3	24	19	V	1.5	3	3.95	101
401430175	2011	3	24	20	V	3.0	3	3.22	109
401430175	2011	3	24	21	V	2.7	3	2.49	119
401430175	2011	3	24	22	V	1.4	2	2.91	23
401430175	2011	3	24	23	V	1.2	1	1.91	53
401430175	2011	3	24	24	V	1.5	2	2.18	77
401430175	2011	3	25	1	V	1.5	1	2.21	37
401430175	2011	3	25	2	V	1.0	1	2.61	90
401430175	2011	3	25	3	V	0.5	1	2.04	114
401430175	2011	3	25	4	V	0.6	1	2.5	69
401430175	2011	3	25	5	V	1.5	1	3.83	72
401430175	2011	3	25	6	V	0.6	1	3.34	87
401430175	2011	3	25	7	V	1.2	1	3.07	78
401430175	2011	3	25	8	V	4.1	2	3.95	112
401430175	2011	3	25	9	V	1.5	3	3.85	128
401430175	2011	3	25	10	V	2.9	2	3.71	138
401430175	2011	3	25	11	V	7.4	-999	2.91	162
401430175	2011	3	25	12	V	5.9	6	2.71	154
401430175	2011	3	25	13	V	3.7	9	2.11	95
401430175	2011	3	25	14	V	3.5	4	2.3	95
401430175	2011	3	25	15	V	3.3	3	2.06	85
401430175	2011	3	25	16	V	2.8	2	3.18	65
401430175	2011	3	25	17	V	4.4	3	2.79	69
401430175	2011	3	25	18	V	3.9	5	3.63	100
401430175	2011	3	25	19	V	1.6	4	4.2	101
401430175	2011	3	25	20	V	3.0	2	5.19	33
401430175	2011	3	25	21	V	2.8	2	5.16	31
401430175	2011	3	25	22	V	1.5	2	4.54	33
401430175	2011	3	25	23	V	1.1	2	5.12	30
401430175	2011	3	25	24	V	3.2	1	3.9	46
401430175	2011	3	26	1	V	1.5	1	4.85	53
401430175	2011	3	26	2	V	1.0	1	5.68	57
401430175	2011	3	26	3	V	0.5	2	5.6	59
401430175	2011	3	26	4	V	0.6	2	4.9	64
401430175	2011	3	26	5	V	1.5	1	4.29	65
401430175	2011	3	26	6	V	0.8	1	4.92	36
401430175	2011	3	26	7	V	1.2	1	5.02	32
401430175	2011	3	26	8	V	4.0	1	5.97	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	26	9	V	1.5	2	6.56	36
401430175	2011	3	26	10	V	2.6	1	5.43	32
401430175	2011	3	26	11	V	2.1	1	4.17	23
401430175	2011	3	26	12	V	2.5	1	3.85	6
401430175	2011	3	26	13	V	2.5	2	3.93	6
401430175	2011	3	26	14	V	2.5	1	4.34	350
401430175	2011	3	26	15	V	1.8	1	4.46	353
401430175	2011	3	26	16	V	2.1	1	4.48	355
401430175	2011	3	26	17	V	3.7	1	4.39	358
401430175	2011	3	26	18	V	3.8	1	4.87	7
401430175	2011	3	26	19	V	1.6	1	4.48	5
401430175	2011	3	26	20	V	3.0	1	4.75	7
401430175	2011	3	26	21	V	2.8	1	5.75	11
401430175	2011	3	26	22	V	1.5	1	4.53	16
401430175	2011	3	26	23	V	1.2	1	5.05	15
401430175	2011	3	26	24	V	1.6	1	5.02	18
401430175	2011	3	27	1	V	1.4	1	5.02	30
401430175	2011	3	27	2	V	2.3	1	5.27	42
401430175	2011	3	27	3	V	0.9	1	5.02	51
401430175	2011	3	27	4	V	0.6	1	4.36	28
401430175	2011	3	27	5	V	1.5	1	4.86	21
401430175	2011	3	27	6	V	1.0	1	3.86	50
401430175	2011	3	27	7	V	1.2	1	3.36	22
401430175	2011	3	27	8	V	4.1	1	4.86	34
401430175	2011	3	27	9	V	1.4	1	5	29
401430175	2011	3	27	10	V	2.8	1	4.71	35
401430175	2011	3	27	11	V	3.0	1	5.68	40
401430175	2011	3	27	12	V	2.4	1	4.78	31
401430175	2011	3	27	13	V	2.6	1	5.1	34
401430175	2011	3	27	14	V	3.0	1	5	51
401430175	2011	3	27	15	V	2.8	1	4.44	39
401430175	2011	3	27	16	V	3.4	1	3.44	40
401430175	2011	3	27	17	V	3.9	1	2.64	25
401430175	2011	3	27	18	V	3.8	1	2.69	7
401430175	2011	3	27	19	V	1.6	1	2.59	7
401430175	2011	3	27	20	V	3.0	1	2.79	25
401430175	2011	3	27	21	V	2.7	1	1.93	11
401430175	2011	3	27	22	V	1.5	1	2.62	27
401430175	2011	3	27	23	V	1.2	1	2.83	26
401430175	2011	3	27	24	V	1.6	1	3.8	25
401430175	2011	3	28	1	V	1.4	1	3.37	26
401430175	2011	3	28	2	V	1.0	1	3.81	30
401430175	2011	3	28	3	V	0.5	1	2.84	22
401430175	2011	3	28	4	V	0.6	1	3.1	3
401430175	2011	3	28	5	V	1.5	1	3.54	26
401430175	2011	3	28	6	V	0.6	1	3.25	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	28	7	V	1.2	1	2.22	5
401430175	2011	3	28	8	V	4.2	1	2.27	6
401430175	2011	3	28	9	V	1.9	1	3	34
401430175	2011	3	28	10	V	4.4	1	3	42
401430175	2011	3	28	11	V	3.1	1	1.87	55
401430175	2011	3	28	12	V	7.3	1	1.28	163
401430175	2011	3	28	13	V	3.2	1	2.38	137
401430175	2011	3	28	14	V	3.2	1	3.05	143
401430175	2011	3	28	15	V	2.3	1	3.08	141
401430175	2011	3	28	16	V	2.4	3	3.41	141
401430175	2011	3	28	17	V	3.9	2	3	135
401430175	2011	3	28	18	V	3.8	1	1.72	97
401430175	2011	3	28	19	V	1.8	1	1.62	52
401430175	2011	3	28	20	V	5.9	2	1.35	46
401430175	2011	3	28	21	V	2.8	2	2.15	9
401430175	2011	3	28	22	V	1.5	1	2.76	14
401430175	2011	3	28	23	V	1.1	1	2.16	1
401430175	2011	3	28	24	V	1.6	1	2.64	3
401430175	2011	3	29	1	V	1.4	1	2.11	351
401430175	2011	3	29	2	V	1.0	1	2.1	351
401430175	2011	3	29	3	V	0.5	1	2.88	2
401430175	2011	3	29	4	V	0.6	1	3.05	9
401430175	2011	3	29	5	V	1.5	1	2.61	12
401430175	2011	3	29	6	V	0.6	1	2.38	13
401430175	2011	3	29	7	V	1.2	1	1.47	15
401430175	2011	3	29	8	V	5.9	1	0.77	341
401430175	2011	3	29	9	V	2.4	1	1.47	347
401430175	2011	3	29	10	V	2.9	1	2.5	4
401430175	2011	3	29	11	V	2.2	1	3.27	2
401430175	2011	3	29	12	V	2.4	1	3.8	5
401430175	2011	3	29	13	V	2.6	1	3.18	2
401430175	2011	3	29	14	V	2.6	1	3.61	5
401430175	2011	3	29	15	V	1.9	1	3.52	359
401430175	2011	3	29	16	V	2.3	1	3.29	3
401430175	2011	3	29	17	V	3.8	1	3.73	4
401430175	2011	3	29	18	V	3.8	1	3.34	356
401430175	2011	3	29	19	V	1.6	1	3.07	350
401430175	2011	3	29	20	V	3.0	1	3.12	4
401430175	2011	3	29	21	V	2.8	1	3.85	356
401430175	2011	3	29	22	V	1.5	1	4.27	359
401430175	2011	3	29	23	V	1.2	1	4.54	3
401430175	2011	3	29	24	V	1.5	1	3.74	9
401430175	2011	3	30	1	V	1.4	1	4.37	12
401430175	2011	3	30	2	V	1.0	1	4.32	18
401430175	2011	3	30	3	V	0.5	1	3.44	15
401430175	2011	3	30	4	V	0.6	1	4.34	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	3	30	5	V	1.5	1	4.36	5
401430175	2011	3	30	6	V	0.6	1	3.8	5
401430175	2011	3	30	7	V	1.2	2	2.57	1
401430175	2011	3	30	8	V	4.0	1	3.98	12
401430175	2011	3	30	9	V	1.4	2	3.86	11
401430175	2011	3	30	10	V	2.6	-999	3.54	18
401430175	2011	3	30	11	V	2.1	-999	3.64	14
401430175	2011	3	30	12	V	2.5	1	3.3	28
401430175	2011	3	30	13	V	2.6	1	3.68	24
401430175	2011	3	30	14	V	2.6	1	3.73	18
401430175	2011	3	30	15	V	1.9	1	3.78	24
401430175	2011	3	30	16	V	2.8	1	2.55	33
401430175	2011	3	30	17	V	4.1	1	2.4	58
401430175	2011	3	30	18	V	3.8	1	2.78	56
401430175	2011	3	30	19	V	1.6	3	2.88	70
401430175	2011	3	30	20	V	2.9	2	2.04	55
401430175	2011	3	30	21	V	2.7	2	2.03	33
401430175	2011	3	30	22	V	1.8	1	1.14	272
401430175	2011	3	30	23	V	1.4	1	1.18	260
401430175	2011	3	30	24	V	5.9	1	0.58	297
401430175	2011	3	31	1	V	29.9	1	0.63	178
401430175	2011	3	31	2	V	8.6	1	0.58	252
401430175	2011	3	31	3	V	3.3	2	0.67	298
401430175	2011	3	31	4	V	5.9	1	0.55	264
401430175	2011	3	31	5	V	6.9	1	0.52	298
401430175	2011	3	31	6	V	20.7	1	1.35	229
401430175	2011	3	31	7	V	10.5	2	0.99	192
401430175	2011	3	31	8	V	11.7	3	1.59	159
401430175	2011	3	31	9	V	16.5	8	1.82	198
401430175	2011	3	31	10	V	11.9	7	2.95	181
401430175	2011	3	31	11	V	10.1	13	4.1	182
401430175	2011	3	31	12	V	9.8	7	4.36	189
401430175	2011	3	31	13	V	16.7	16	4.02	212
401430175	2011	3	31	14	V	11.4	3	3	233
401430175	2011	3	31	15	V	2.5	2	2.23	334
401430175	2011	3	31	16	V	2.6	2	2.95	13
401430175	2011	3	31	17	V	4.2	2	3.13	21
401430175	2011	3	31	18	V	4.6	2	2.73	51
401430175	2011	3	31	19	V	1.5	2	2.61	93
401430175	2011	3	31	20	V	2.9	2	2.81	84
401430175	2011	3	31	21	V	2.7	2	2.25	120
401430175	2011	3	31	22	V	1.5	2	1.62	104
401430175	2011	3	31	23	V	1.3	2	1.47	128
401430175	2011	3	31	24	V	18.4	4	1.55	177
401430175	2011	4	1	1	V	1.4	3	1.96	138
401430175	2011	4	1	2	V	8.7	3	1.43	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	1	3	V	0.7	2	1.65	53
401430175	2011	4	1	4	V	0.9	1	1.23	136
401430175	2011	4	1	5	V	49.2	2	0.67	223
401430175	2011	4	1	6	V	28.7	2	0.67	201
401430175	2011	4	1	7	V	1.9	2	0.96	20
401430175	2011	4	1	8	V	5.7	3	1.28	36
401430175	2011	4	1	9	V	3.2	2	1.28	77
401430175	2011	4	1	10	V	12.8	3	1.67	166
401430175	2011	4	1	11	V	3.0	2	1.96	136
401430175	2011	4	1	12	V	3.1	2	2.06	93
401430175	2011	4	1	13	V	4.2	2	1.55	109
401430175	2011	4	1	14	V	3.5	6	2.3	58
401430175	2011	4	1	15	V	2.6	3	2.38	76
401430175	2011	4	1	16	V	2.5	3	4.34	34
401430175	2011	4	1	17	V	4.5	2	2.79	34
401430175	2011	4	1	18	V	3.9	3	3.71	32
401430175	2011	4	1	19	V	1.6	3	3.73	29
401430175	2011	4	1	20	V	3.0	2	1.86	22
401430175	2011	4	1	21	V	4.4	2	0.67	13
401430175	2011	4	1	22	V	6.1	2	0.58	309
401430175	2011	4	1	23	V	2.8	2	0.79	352
401430175	2011	4	1	24	V	2.5	2	0.91	348
401430175	2011	4	2	1	V	12.7	2	0.72	243
401430175	2011	4	2	2	V	4.7	1	0.62	290
401430175	2011	4	2	3	C	-999	2	0	0
401430175	2011	4	2	4	C	-999	2	0	0
401430175	2011	4	2	5	V	9.0	2	0.65	249
401430175	2011	4	2	6	C	-999	2	0	0
401430175	2011	4	2	7	C	-999	2	0	0
401430175	2011	4	2	8	C	-999	2	0	0
401430175	2011	4	2	9	V	2.8	3	2.13	144
401430175	2011	4	2	10	V	11.0	14	4.92	169
401430175	2011	4	2	11	V	13.8	7	4.97	173
401430175	2011	4	2	12	V	13.0	7	5.1	174
401430175	2011	4	2	13	V	9.4	3	5.43	163
401430175	2011	4	2	14	V	8.5	6	5.9	162
401430175	2011	4	2	15	V	9.3	2	5.94	164
401430175	2011	4	2	16	V	5.6	3	6.28	158
401430175	2011	4	2	17	V	11.6	2	6.48	164
401430175	2011	4	2	18	V	12.3	3	5.92	164
401430175	2011	4	2	19	V	7.8	3	4.46	162
401430175	2011	4	2	20	V	13.0	11	4	169
401430175	2011	4	2	21	V	13.4	32	2.74	175
401430175	2011	4	2	22	V	13.3	18	3.51	174
401430175	2011	4	2	23	V	11.9	3	4.37	169
401430175	2011	4	2	24	V	9.6	4	4.76	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	3	1	V	9.4	2	4.77	164
401430175	2011	4	3	2	V	10.4	9	4.63	166
401430175	2011	4	3	3	V	10.6	34	6.8	181
401430175	2011	4	3	4	V	8.1	6	8.4	188
401430175	2011	4	3	5	V	8.5	3	7.77	187
401430175	2011	4	3	6	V	4.9	2	6.28	186
401430175	2011	4	3	7	V	5.4	2	6.46	187
401430175	2011	4	3	8	V	7.8	10	7.67	190
401430175	2011	4	3	9	V	7.6	28	8.96	194
401430175	2011	4	3	10	V	7.2	24	10.36	192
401430175	2011	4	3	11	V	7.4	13	9.95	193
401430175	2011	4	3	12	V	8.3	16	10.14	194
401430175	2011	4	3	13	V	8.8	24	10.75	195
401430175	2011	4	3	14	V	9.2	30	9.61	195
401430175	2011	4	3	15	V	7.9	19	9.85	194
401430175	2011	4	3	16	V	6.0	15	9.75	189
401430175	2011	4	3	17	V	7.0	12	10.65	187
401430175	2011	4	3	18	V	6.8	11	10.21	188
401430175	2011	4	3	19	V	14.0	15	8.79	180
401430175	2011	4	3	20	V	15.2	41	9.88	180
401430175	2011	4	3	21	V	14.1	22	9.37	181
401430175	2011	4	3	22	V	13.7	39	9.63	180
401430175	2011	4	3	23	V	9.2	16	9.7	185
401430175	2011	4	3	24	V	34.2	6	7.26	226
401430175	2011	4	4	1	V	1.5	1	7.33	345
401430175	2011	4	4	2	V	1.1	1	6.69	1
401430175	2011	4	4	3	V	0.6	1	6.11	355
401430175	2011	4	4	4	V	0.7	1	5.99	351
401430175	2011	4	4	5	V	1.5	1	6.28	345
401430175	2011	4	4	6	V	0.7	1	6.31	342
401430175	2011	4	4	7	V	1.2	1	5.17	341
401430175	2011	4	4	8	V	4.0	1	6.52	338
401430175	2011	4	4	9	V	1.4	1	6.77	336
401430175	2011	4	4	10	V	2.5	1	6.94	336
401430175	2011	4	4	11	V	2.0	1	7.42	343
401430175	2011	4	4	12	V	2.3	1	6.94	340
401430175	2011	4	4	13	V	2.5	1	5.97	326
401430175	2011	4	4	14	V	2.5	1	6.13	336
401430175	2011	4	4	15	V	1.9	1	5.82	332
401430175	2011	4	4	16	V	2.2	1	5.78	329
401430175	2011	4	4	17	V	3.8	1	5.7	336
401430175	2011	4	4	18	V	3.8	1	5.09	320
401430175	2011	4	4	19	V	1.6	1	4.22	331
401430175	2011	4	4	20	V	3.0	1	2.04	324
401430175	2011	4	4	21	V	2.8	1	1.59	314
401430175	2011	4	4	22	V	1.8	1	1.2	288

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	4	23	V	9.9	1	0.52	253
401430175	2011	4	4	24	V	32.4	1	0.82	208
401430175	2011	4	5	1	V	4.7	1	0.65	269
401430175	2011	4	5	2	V	20.8	1	1.06	206
401430175	2011	4	5	3	V	29.0	1	0.77	205
401430175	2011	4	5	4	V	13.8	1	0.89	194
401430175	2011	4	5	5	V	23.8	1	0.86	182
401430175	2011	4	5	6	V	15.2	1	1.04	201
401430175	2011	4	5	7	V	25.6	3	1.04	211
401430175	2011	4	5	8	V	15.3	10	1.4	193
401430175	2011	4	5	9	V	16.5	27	4.08	207
401430175	2011	4	5	10	V	17.4	21	5.89	207
401430175	2011	4	5	11	V	19.2	24	6.11	213
401430175	2011	4	5	12	V	19.3	17	5.95	213
401430175	2011	4	5	13	V	19.9	14	6.19	215
401430175	2011	4	5	14	V	18.1	19	6.65	211
401430175	2011	4	5	15	V	19.3	28	6.84	222
401430175	2011	4	5	16	V	19.5	20	6.84	214
401430175	2011	4	5	17	V	20.0	30	6.84	209
401430175	2011	4	5	18	V	15.4	28	6.46	200
401430175	2011	4	5	19	V	3.9	16	5.17	188
401430175	2011	4	5	20	V	10.3	11	5.51	181
401430175	2011	4	5	21	V	8.8	20	5.1	182
401430175	2011	4	5	22	V	5.4	11	5.31	185
401430175	2011	4	5	23	V	6.4	24	5.27	183
401430175	2011	4	5	24	V	12.3	38	4.93	176
401430175	2011	4	6	1	V	9.7	47	4.37	178
401430175	2011	4	6	2	V	5.0	58	4.75	184
401430175	2011	4	6	3	V	5.0	35	5.17	184
401430175	2011	4	6	4	V	9.1	11	5.8	180
401430175	2011	4	6	5	V	9.7	3	6.36	181
401430175	2011	4	6	6	V	10.7	3	6.18	179
401430175	2011	4	6	7	V	12.9	8	6.36	178
401430175	2011	4	6	8	V	10.4	4	7.35	181
401430175	2011	4	6	9	V	4.8	12	9.37	189
401430175	2011	4	6	10	V	7.7	-999	10.34	193
401430175	2011	4	6	11	V	7.6	-999	9.24	193
401430175	2011	4	6	12	V	6.6	14	8.62	186
401430175	2011	4	6	13	V	7.3	21	7.57	188
401430175	2011	4	6	14	V	7.7	26	7.09	189
401430175	2011	4	6	15	V	15.1	13	5.33	203
401430175	2011	4	6	16	V	8.3	18	5.48	187
401430175	2011	4	6	17	V	16.1	27	5.58	173
401430175	2011	4	6	18	V	12.9	3	4.85	164
401430175	2011	4	6	19	V	12.0	4	3.69	171
401430175	2011	4	6	20	V	7.8	12	2.93	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	6	21	V	9.7	4	2.91	164
401430175	2011	4	6	22	V	7.6	6	1.42	183
401430175	2011	4	6	23	V	30.8	2	0.75	166
401430175	2011	4	6	24	V	1.6	2	2.56	155
401430175	2011	4	7	1	V	13.0	2	1.04	197
401430175	2011	4	7	2	C	-999	2	0	0
401430175	2011	4	7	3	V	1.7	2	0.87	112
401430175	2011	4	7	4	V	0.6	2	2.3	141
401430175	2011	4	7	5	V	1.9	2	3.56	152
401430175	2011	4	7	6	V	2.5	2	3.74	157
401430175	2011	4	7	7	V	1.4	2	3.34	150
401430175	2011	4	7	8	V	11.3	2	4.19	163
401430175	2011	4	7	9	V	11.1	10	5.41	168
401430175	2011	4	7	10	V	12.8	26	5.94	173
401430175	2011	4	7	11	V	8.9	10	5.56	164
401430175	2011	4	7	12	V	15.2	17	5.87	175
401430175	2011	4	7	13	V	13.1	24	5.68	172
401430175	2011	4	7	14	V	9.8	10	6.01	164
401430175	2011	4	7	15	V	3.9	2	5.9	155
401430175	2011	4	7	16	V	2.9	2	6.5	152
401430175	2011	4	7	17	V	4.0	1	6.8	150
401430175	2011	4	7	18	V	3.8	1	6.57	143
401430175	2011	4	7	19	V	5.9	1	6.4	158
401430175	2011	4	7	20	V	11.2	2	5.72	163
401430175	2011	4	7	21	V	14.6	6	5.82	167
401430175	2011	4	7	22	V	13.0	33	4.75	169
401430175	2011	4	7	23	V	12.3	40	3.63	171
401430175	2011	4	7	24	V	7.3	32	3.88	180
401430175	2011	4	8	1	V	9.2	27	3.51	179
401430175	2011	4	8	2	V	1.9	19	4	190
401430175	2011	4	8	3	V	1.1	32	3.9	196
401430175	2011	4	8	4	V	9.2	12	1.93	179
401430175	2011	4	8	5	V	14.6	4	1.86	177
401430175	2011	4	8	6	V	7.0	8	3.18	180
401430175	2011	4	8	7	V	3.8	20	4.2	188
401430175	2011	4	8	8	V	10.1	11	3.69	187
401430175	2011	4	8	9	V	6.7	9	5.41	185
401430175	2011	4	8	10	V	7.8	8	5.65	185
401430175	2011	4	8	11	V	10.2	6	5.36	178
401430175	2011	4	8	12	V	12.4	5	4.34	168
401430175	2011	4	8	13	V	2.7	2	4.85	145
401430175	2011	4	8	14	V	2.6	1	5.38	144
401430175	2011	4	8	15	V	8.4	9	6.7	163
401430175	2011	4	8	16	V	4.5	7	7.01	157
401430175	2011	4	8	17	V	14.1	14	7.52	168
401430175	2011	4	8	18	V	15.7	4	7.35	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	8	19	V	5.9	6	4.7	159
401430175	2011	4	8	20	V	3.0	1	2.44	140
401430175	2011	4	8	21	V	2.7	1	2.22	138
401430175	2011	4	8	22	V	1.4	1	2.66	144
401430175	2011	4	8	23	V	1.1	1	2.81	136
401430175	2011	4	8	24	V	1.5	2	2.69	148
401430175	2011	4	9	1	V	11.3	6	3.68	168
401430175	2011	4	9	2	V	0.9	4	2.79	141
401430175	2011	4	9	3	V	0.5	2	2.15	134
401430175	2011	4	9	4	V	19.5	2	1.54	167
401430175	2011	4	9	5	V	13.9	25	3.13	174
401430175	2011	4	9	6	V	10.9	43	3.71	169
401430175	2011	4	9	7	V	11.0	35	4.15	177
401430175	2011	4	9	8	V	13.2	37	5.34	177
401430175	2011	4	9	9	V	8.9	25	6.19	181
401430175	2011	4	9	10	V	6.6	17	8.28	188
401430175	2011	4	9	11	V	6.1	21	8.66	187
401430175	2011	4	9	12	V	8.9	23	8.33	181
401430175	2011	4	9	13	V	12.5	15	7.89	171
401430175	2011	4	9	14	V	9.8	15	8.35	165
401430175	2011	4	9	15	V	11.3	11	8.9	169
401430175	2011	4	9	16	V	12.3	25	9.36	172
401430175	2011	4	9	17	V	14.1	37	9.36	170
401430175	2011	4	9	18	V	15.5	42	8.3	170
401430175	2011	4	9	19	V	15.6	21	7.18	166
401430175	2011	4	9	20	V	20.4	19	7.47	170
401430175	2011	4	9	21	V	16.3	51	5.99	169
401430175	2011	4	9	22	V	8.6	37	3.8	178
401430175	2011	4	9	23	V	7.3	10	3.98	163
401430175	2011	4	9	24	V	12.8	2	5.22	167
401430175	2011	4	10	1	V	16.3	41	6.45	174
401430175	2011	4	10	2	V	9.8	28	7.09	182
401430175	2011	4	10	3	V	8.0	40	7.33	184
401430175	2011	4	10	4	V	8.6	25	7.66	184
401430175	2011	4	10	5	V	6.9	17	6.45	197
401430175	2011	4	10	6	V	1.9	30	5.34	194
401430175	2011	4	10	7	V	9.8	28	5.27	180
401430175	2011	4	10	8	V	14.9	54	6.86	177
401430175	2011	4	10	9	V	5.1	22	8.66	188
401430175	2011	4	10	10	V	11.0	37	8.83	197
401430175	2011	4	10	11	V	13.6	37	8.42	203
401430175	2011	4	10	12	V	16.6	31	7.6	208
401430175	2011	4	10	13	V	18.5	35	6.5	210
401430175	2011	4	10	14	V	12.8	5	5.14	233
401430175	2011	4	10	15	V	3.2	1	3.9	248
401430175	2011	4	10	16	V	2.7	1	3.37	258

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	10	17	V	4.3	1	2.52	274
401430175	2011	4	10	18	V	5.6	1	1.93	253
401430175	2011	4	10	19	V	3.8	1	1.45	239
401430175	2011	4	10	20	V	3.5	1	1.08	59
401430175	2011	4	10	21	V	2.9	1	1.47	256
401430175	2011	4	10	22	V	1.7	15	1.28	287
401430175	2011	4	10	23	V	43.8	10	1.01	219
401430175	2011	4	10	24	V	1.6	1	3.59	303
401430175	2011	4	11	1	V	1.4	1	4.73	1
401430175	2011	4	11	2	V	11.3	1	0.94	238
401430175	2011	4	11	3	V	0.5	1	3.36	10
401430175	2011	4	11	4	V	0.6	1	2.86	356
401430175	2011	4	11	5	M	-999	1	3.36	999
401430175	2011	4	11	6	V	3.0	1	0.53	279
401430175	2011	4	11	7	V	1.1	1	3.73	336
401430175	2011	4	11	8	V	4.1	1	4.17	332
401430175	2011	4	11	9	V	1.4	1	5.17	339
401430175	2011	4	11	10	V	2.6	1	5.1	336
401430175	2011	4	11	11	V	2.2	1	4.73	326
401430175	2011	4	11	12	V	2.4	1	5.48	324
401430175	2011	4	11	13	V	2.6	1	5.19	332
401430175	2011	4	11	14	V	2.5	1	6.31	334
401430175	2011	4	11	15	V	1.9	1	5.7	331
401430175	2011	4	11	16	V	2.2	1	5.43	320
401430175	2011	4	11	17	V	3.8	1	4.78	326
401430175	2011	4	11	18	V	3.8	1	4.37	325
401430175	2011	4	11	19	V	1.6	1	2.88	321
401430175	2011	4	11	20	V	3.1	1	1.42	304
401430175	2011	4	11	21	V	3.2	1	1.14	298
401430175	2011	4	11	22	V	1.9	1	1.14	304
401430175	2011	4	11	23	V	3.0	1	0.75	265
401430175	2011	4	11	24	V	45.9	1	0.79	224
401430175	2011	4	12	1	C	-999	1	0	0
401430175	2011	4	12	2	V	48.5	1	0.58	224
401430175	2011	4	12	3	C	-999	1	0	0
401430175	2011	4	12	4	C	-999	1	0	0
401430175	2011	4	12	5	C	-999	1	0	0
401430175	2011	4	12	6	C	-999	1	0	0
401430175	2011	4	12	7	V	48.8	2	0.55	217
401430175	2011	4	12	8	V	22.2	2	0.86	208
401430175	2011	4	12	9	V	13.2	2	0.87	165
401430175	2011	4	12	10	V	12.3	26	1.52	163
401430175	2011	4	12	11	M	-999	3	1.26	141
401430175	2011	4	12	12	M	-999	4	2.3	87
401430175	2011	4	12	13	M	-999	4	2.55	146
401430175	2011	4	12	14	M	-999	2	2.42	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	12	15	M	-999	2	3.08	165
401430175	2011	4	12	16	M	-999	2	2.95	153
401430175	2011	4	12	17	M	-999	2	3.59	159
401430175	2011	4	12	18	M	-999	2	4.27	103
401430175	2011	4	12	19	V	2.4	2	3.46	153
401430175	2011	4	12	20	V	3.0	2	1.65	133
401430175	2011	4	12	21	C	-999	2	0	0
401430175	2011	4	12	22	V	47.9	2	0.77	222
401430175	2011	4	12	23	V	8.8	2	1.45	182
401430175	2011	4	12	24	V	8.3	10	1.77	163
401430175	2011	4	13	1	V	2.7	2	0.87	124
401430175	2011	4	13	2	V	8.7	2	1.09	191
401430175	2011	4	13	3	C	-999	4	0	0
401430175	2011	4	13	4	V	6.0	2	0.52	281
401430175	2011	4	13	5	V	28.3	2	0.52	238
401430175	2011	4	13	6	V	27.6	2	0.57	197
401430175	2011	4	13	7	V	38.0	1	0.55	232
401430175	2011	4	13	8	V	15.8	2	1.67	174
401430175	2011	4	13	9	V	9.8	5	3.74	167
401430175	2011	4	13	10	V	11.3	15	5.07	174
401430175	2011	4	13	11	M	-999	11	999	999
401430175	2011	4	13	12	M	-999	19	999	999
401430175	2011	4	13	13	V	12.0	17	5.94	176
401430175	2011	4	13	14	V	9.0	26	6.43	184
401430175	2011	4	13	15	V	11.0	12	6.23	167
401430175	2011	4	13	16	V	10.6	9	6.07	165
401430175	2011	4	13	17	V	15.2	8	6.58	170
401430175	2011	4	13	18	V	14.0	15	6.28	166
401430175	2011	4	13	19	V	12.6	10	4.92	167
401430175	2011	4	13	20	V	12.4	10	3.34	166
401430175	2011	4	13	21	V	17.5	28	2.38	173
401430175	2011	4	13	22	V	13.9	12	1.08	199
401430175	2011	4	13	23	C	-999	15	0	0
401430175	2011	4	13	24	V	5.6	7	0.69	252
401430175	2011	4	14	1	V	33.0	2	0.84	210
401430175	2011	4	14	2	V	35.6	3	0.86	230
401430175	2011	4	14	3	V	47.4	3	0.75	223
401430175	2011	4	14	4	V	2.1	3	1.37	156
401430175	2011	4	14	5	V	2.7	2	1.55	157
401430175	2011	4	14	6	V	0.5	2	3.29	141
401430175	2011	4	14	7	V	1.1	2	3.73	139
401430175	2011	4	14	8	V	4.3	2	5.43	148
401430175	2011	4	14	9	V	4.2	2	6.77	158
401430175	2011	4	14	10	V	7.0	4	7.79	161
401430175	2011	4	14	11	V	13.8	4	8.42	171
401430175	2011	4	14	12	V	8.1	3	9.05	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	14	13	V	5.7	5	9.46	160
401430175	2011	4	14	14	V	5.3	7	9.19	159
401430175	2011	4	14	15	V	6.8	5	9.25	162
401430175	2011	4	14	16	V	4.4	2	7.84	157
401430175	2011	4	14	17	V	7.5	19	7.71	160
401430175	2011	4	14	18	V	19.4	4	3.75	209
401430175	2011	4	14	19	V	12.1	26	5.41	165
401430175	2011	4	14	20	V	3.0	4	1.37	276
401430175	2011	4	14	21	V	4.8	8	3.24	207
401430175	2011	4	14	22	V	1.6	4	1.84	244
401430175	2011	4	14	23	V	1.1	2	2.06	280
401430175	2011	4	14	24	V	1.6	2	3.34	277
401430175	2011	4	15	1	V	1.3	2	2.78	274
401430175	2011	4	15	2	V	0.9	2	2.59	256
401430175	2011	4	15	3	V	0.9	1	3.92	249
401430175	2011	4	15	4	V	11.9	1	3.76	230
401430175	2011	4	15	5	V	19.3	3	4.56	225
401430175	2011	4	15	6	V	2.2	1	4.88	246
401430175	2011	4	15	7	V	1.5	1	4.75	253
401430175	2011	4	15	8	V	4.1	1	4.61	251
401430175	2011	4	15	9	V	1.7	1	4.83	247
401430175	2011	4	15	10	V	2.6	1	5.27	252
401430175	2011	4	15	11	V	2.0	1	6.18	258
401430175	2011	4	15	12	V	2.3	1	6.11	255
401430175	2011	4	15	13	V	2.5	1	6.09	253
401430175	2011	4	15	14	V	2.5	1	5.62	253
401430175	2011	4	15	15	V	1.9	1	4.75	262
401430175	2011	4	15	16	V	2.2	1	4.53	265
401430175	2011	4	15	17	V	3.8	1	4.53	287
401430175	2011	4	15	18	V	3.8	1	4.36	293
401430175	2011	4	15	19	V	1.7	1	5.8	296
401430175	2011	4	15	20	V	3.1	1	5.73	305
401430175	2011	4	15	21	V	2.9	1	5.16	310
401430175	2011	4	15	22	V	1.6	1	5.7	311
401430175	2011	4	15	23	V	1.3	1	5.82	311
401430175	2011	4	15	24	V	1.6	1	4.83	318
401430175	2011	4	16	1	V	1.4	1	3.68	328
401430175	2011	4	16	2	V	1.0	1	3.68	321
401430175	2011	4	16	3	V	0.5	1	4.2	312
401430175	2011	4	16	4	V	0.6	1	3.44	316
401430175	2011	4	16	5	V	1.5	1	2.91	317
401430175	2011	4	16	6	V	0.6	1	3.66	331
401430175	2011	4	16	7	V	1.1	1	3.61	334
401430175	2011	4	16	8	V	4.1	1	4.83	330
401430175	2011	4	16	9	V	1.6	1	3.25	312
401430175	2011	4	16	10	V	2.8	1	3.18	282

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	16	11	V	2.3	1	3.35	298
401430175	2011	4	16	12	V	2.6	1	3.23	298
401430175	2011	4	16	13	V	2.8	1	3.1	307
401430175	2011	4	16	14	V	3.2	1	2.3	300
401430175	2011	4	16	15	V	2.3	1	2.62	321
401430175	2011	4	16	16	V	3.2	1	1.76	313
401430175	2011	4	16	17	V	13.6	1	1.64	180
401430175	2011	4	16	18	V	14.1	2	1.94	166
401430175	2011	4	16	19	V	14.4	2	1.98	167
401430175	2011	4	16	20	V	47.8	4	0.7	216
401430175	2011	4	16	21	V	23.1	1	0.58	241
401430175	2011	4	16	22	V	34.1	1	1.2	173
401430175	2011	4	16	23	C	-999	2	0	0
401430175	2011	4	16	24	V	25.0	18	0.6	189
401430175	2011	4	17	1	V	35.6	37	0.92	213
401430175	2011	4	17	2	V	4.0	37	1.82	206
401430175	2011	4	17	3	V	0.7	25	2.59	192
401430175	2011	4	17	4	V	0.8	13	2.84	193
401430175	2011	4	17	5	V	9.0	12	1.6	181
401430175	2011	4	17	6	V	21.7	13	1.5	176
401430175	2011	4	17	7	V	2.5	26	2.08	199
401430175	2011	4	17	8	V	11.3	33	3.03	189
401430175	2011	4	17	9	V	6.4	5	6.33	186
401430175	2011	4	17	10	V	7.5	7	6.8	186
401430175	2011	4	17	11	V	5.7	17	9.03	188
401430175	2011	4	17	12	V	6.5	16	9.34	185
401430175	2011	4	17	13	V	7.7	23	9.1	192
401430175	2011	4	17	14	V	6.4	18	10.31	189
401430175	2011	4	17	15	V	6.6	20	9.41	184
401430175	2011	4	17	16	V	6.6	21	9.42	190
401430175	2011	4	17	17	V	8.3	16	8.59	190
401430175	2011	4	17	18	V	10.9	16	6.97	194
401430175	2011	4	17	19	V	7.9	5	7.43	188
401430175	2011	4	17	20	V	14.5	39	4.99	175
401430175	2011	4	17	21	V	11.3	26	3.61	166
401430175	2011	4	17	22	V	14.6	5	2.89	173
401430175	2011	4	17	23	V	9.1	14	2.74	177
401430175	2011	4	17	24	V	1.7	2	2.1	155
401430175	2011	4	18	1	V	1.5	2	2.13	154
401430175	2011	4	18	2	V	3.4	3	2.37	161
401430175	2011	4	18	3	V	1.5	2	2.88	157
401430175	2011	4	18	4	V	2.5	2	2.76	161
401430175	2011	4	18	5	V	11.0	2	4.73	166
401430175	2011	4	18	6	V	7.5	3	3.88	163
401430175	2011	4	18	7	V	4.7	2	4.14	157
401430175	2011	4	18	8	V	9.8	2	5.41	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	18	9	V	8.6	2	5.24	164
401430175	2011	4	18	10	V	12.7	5	6.13	166
401430175	2011	4	18	11	V	11.2	8	7.03	166
401430175	2011	4	18	12	V	10.9	9	6.91	165
401430175	2011	4	18	13	V	12.3	5	6.8	167
401430175	2011	4	18	14	V	11.3	20	6.48	165
401430175	2011	4	18	15	V	1.8	3	5.72	146
401430175	2011	4	18	16	V	2.7	2	6.11	150
401430175	2011	4	18	17	V	3.8	1	6.01	135
401430175	2011	4	18	18	V	3.8	2	5.46	127
401430175	2011	4	18	19	V	1.6	2	4.42	128
401430175	2011	4	18	20	V	3.0	2	4.02	145
401430175	2011	4	18	21	V	2.8	1	3.81	148
401430175	2011	4	18	22	V	1.5	2	3.17	146
401430175	2011	4	18	23	V	1.1	2	3.03	145
401430175	2011	4	18	24	V	1.5	2	3.3	147
401430175	2011	4	19	1	V	12.8	2	4.92	168
401430175	2011	4	19	2	V	9.4	29	8.25	184
401430175	2011	4	19	3	V	8.5	10	7.65	184
401430175	2011	4	19	4	V	7.7	11	7.49	185
401430175	2011	4	19	5	V	9.7	21	7.18	183
401430175	2011	4	19	6	V	9.0	19	8.45	184
401430175	2011	4	19	7	V	9.3	6	8.44	187
401430175	2011	4	19	8	V	9.5	14	9.17	193
401430175	2011	4	19	9	V	11.2	27	8.9	199
401430175	2011	4	19	10	V	17.7	30	7.99	211
401430175	2011	4	19	11	V	2.1	3	5.55	271
401430175	2011	4	19	12	V	2.5	2	4.66	281
401430175	2011	4	19	13	V	2.6	2	4.34	294
401430175	2011	4	19	14	V	2.7	2	3.63	292
401430175	2011	4	19	15	V	2.1	1	3.49	302
401430175	2011	4	19	16	V	2.3	1	3.83	309
401430175	2011	4	19	17	V	3.9	1	3.8	328
401430175	2011	4	19	18	V	4.0	1	2.9	334
401430175	2011	4	19	19	V	1.6	2	2.67	342
401430175	2011	4	19	20	V	3.0	1	3.2	351
401430175	2011	4	19	21	V	2.8	1	3.32	356
401430175	2011	4	19	22	V	1.5	1	4.15	13
401430175	2011	4	19	23	V	1.1	1	4.53	10
401430175	2011	4	19	24	V	1.5	1	4.37	13
401430175	2011	4	20	1	V	1.4	1	3.03	13
401430175	2011	4	20	2	V	0.9	1	2.64	17
401430175	2011	4	20	3	V	0.5	1	4.12	10
401430175	2011	4	20	4	V	0.6	1	4.88	13
401430175	2011	4	20	5	V	1.5	1	4.9	14
401430175	2011	4	20	6	V	0.6	1	5.21	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	20	7	V	1.2	1	4.92	22
401430175	2011	4	20	8	V	4.1	1	5.44	29
401430175	2011	4	20	9	V	1.4	1	5.85	16
401430175	2011	4	20	10	V	2.5	-999	6.99	21
401430175	2011	4	20	11	V	2.0	-999	6.33	19
401430175	2011	4	20	12	V	2.3	1	6.6	26
401430175	2011	4	20	13	V	2.5	1	6.84	28
401430175	2011	4	20	14	V	2.5	1	7.42	33
401430175	2011	4	20	15	V	2.2	1	6.96	36
401430175	2011	4	20	16	V	2.2	1	6.31	34
401430175	2011	4	20	17	V	3.7	2	7.25	27
401430175	2011	4	20	18	V	3.8	4	6.67	28
401430175	2011	4	20	19	V	1.7	7	6.13	32
401430175	2011	4	20	20	V	3.1	3	5.96	29
401430175	2011	4	20	21	V	3.8	2	5.46	38
401430175	2011	4	20	22	V	1.9	1	5.07	36
401430175	2011	4	20	23	V	3.6	1	5.84	42
401430175	2011	4	20	24	V	1.5	1	4.88	58
401430175	2011	4	21	1	V	1.4	1	4.2	63
401430175	2011	4	21	2	V	1.0	3	3.44	85
401430175	2011	4	21	3	V	2.4	2	5.5	48
401430175	2011	4	21	4	V	0.6	2	4.68	60
401430175	2011	4	21	5	V	1.5	2	3.92	89
401430175	2011	4	21	6	V	0.6	1	3.1	79
401430175	2011	4	21	7	V	1.2	2	3.12	59
401430175	2011	4	21	8	V	4.1	2	4.42	99
401430175	2011	4	21	9	V	1.4	2	5.51	120
401430175	2011	4	21	10	V	2.5	3	5.21	129
401430175	2011	4	21	11	V	2.1	4	4.82	132
401430175	2011	4	21	12	V	2.4	1	5.05	148
401430175	2011	4	21	13	V	2.4	1	6.26	146
401430175	2011	4	21	14	V	16.5	9	3.59	175
401430175	2011	4	21	15	V	15.9	6	2.88	170
401430175	2011	4	21	16	V	13.3	2	2.54	165
401430175	2011	4	21	17	V	4.0	2	2.86	147
401430175	2011	4	21	18	V	3.8	1	3.4	125
401430175	2011	4	21	19	V	1.6	1	3.1	111
401430175	2011	4	21	20	V	3.0	1	2.78	117
401430175	2011	4	21	21	V	2.8	1	2.67	136
401430175	2011	4	21	22	V	1.5	1	2.37	124
401430175	2011	4	21	23	V	1.2	1	3.22	141
401430175	2011	4	21	24	V	2.2	1	3.35	151
401430175	2011	4	22	1	V	8.3	1	4.48	162
401430175	2011	4	22	2	V	10.6	2	4.75	165
401430175	2011	4	22	3	V	7.9	1	4.2	163
401430175	2011	4	22	4	V	13.5	2	2.61	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	22	5	V	6.8	2	3.15	160
401430175	2011	4	22	6	V	9.8	3	3.59	166
401430175	2011	4	22	7	V	11.2	28	5.68	180
401430175	2011	4	22	8	V	8.6	9	6.69	186
401430175	2011	4	22	9	V	7.3	17	8.71	194
401430175	2011	4	22	10	V	12.7	49	8.03	200
401430175	2011	4	22	11	V	14.1	48	8.52	205
401430175	2011	4	22	12	V	19.2	28	7.76	216
401430175	2011	4	22	13	V	19.9	39	6.84	221
401430175	2011	4	22	14	V	17.1	41	7.13	210
401430175	2011	4	22	15	V	19.6	7	6.57	216
401430175	2011	4	22	16	V	2.3	2	3.74	252
401430175	2011	4	22	17	V	13.1	2	2.5	169
401430175	2011	4	22	18	V	11.8	7	1.43	164
401430175	2011	4	22	19	V	1.7	2	1.43	59
401430175	2011	4	22	20	V	3.2	5	1.3	350
401430175	2011	4	22	21	V	6.0	2	1.33	188
401430175	2011	4	22	22	V	1.6	2	1.45	358
401430175	2011	4	22	23	V	3.0	1	0.84	36
401430175	2011	4	22	24	V	2.7	1	0.86	284
401430175	2011	4	23	1	V	2.0	1	1.06	344
401430175	2011	4	23	2	V	1.0	1	2.91	359
401430175	2011	4	23	3	V	0.5	1	3.2	7
401430175	2011	4	23	4	V	0.6	2	3.17	18
401430175	2011	4	23	5	V	1.5	2	3.24	1
401430175	2011	4	23	6	V	0.7	1	6.92	21
401430175	2011	4	23	7	V	1.2	1	5.75	25
401430175	2011	4	23	8	V	5.9	2	5.22	40
401430175	2011	4	23	9	V	2.7	2	4.65	37
401430175	2011	4	23	10	V	2.7	1	5.17	54
401430175	2011	4	23	11	V	2.7	1	5.92	51
401430175	2011	4	23	12	V	4.7	1	6.06	42
401430175	2011	4	23	13	V	5.8	1	5.38	44
401430175	2011	4	23	14	V	2.7	2	4.77	34
401430175	2011	4	23	15	V	3.8	8	5.05	40
401430175	2011	4	23	16	V	2.5	5	4	34
401430175	2011	4	23	17	V	3.9	1	2.62	27
401430175	2011	4	23	18	V	3.8	1	3.3	24
401430175	2011	4	23	19	V	1.6	2	3.52	27
401430175	2011	4	23	20	V	3.0	1	3.08	20
401430175	2011	4	23	21	V	2.8	1	4.2	17
401430175	2011	4	23	22	V	1.5	1	3	351
401430175	2011	4	23	23	V	1.2	1	2.54	4
401430175	2011	4	23	24	V	1.5	1	2.22	7
401430175	2011	4	24	1	V	1.4	1	3.57	13
401430175	2011	4	24	2	V	1.0	1	4.53	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	24	3	V	0.5	1	4.41	12
401430175	2011	4	24	4	V	3.9	2	3.95	43
401430175	2011	4	24	5	V	1.5	2	4.07	33
401430175	2011	4	24	6	V	0.6	2	4.24	26
401430175	2011	4	24	7	V	1.2	1	3.23	23
401430175	2011	4	24	8	V	4.2	1	3.86	59
401430175	2011	4	24	9	V	1.7	1	2.47	131
401430175	2011	4	24	10	V	3.1	1	1.71	254
401430175	2011	4	24	11	V	2.5	1	1.67	340
401430175	2011	4	24	12	V	2.5	1	2.61	8
401430175	2011	4	24	13	V	3.2	1	4.1	35
401430175	2011	4	24	14	V	2.5	1	4.12	19
401430175	2011	4	24	15	V	1.9	1	3.17	5
401430175	2011	4	24	16	V	5.7	1	5.34	45
401430175	2011	4	24	17	V	3.8	2	3.2	357
401430175	2011	4	24	18	V	3.8	1	3.17	5
401430175	2011	4	24	19	V	1.6	1	2.83	358
401430175	2011	4	24	20	V	3.0	1	3.24	10
401430175	2011	4	24	21	V	2.8	1	2.57	5
401430175	2011	4	24	22	V	1.5	1	3.39	24
401430175	2011	4	24	23	V	1.2	1	3.1	358
401430175	2011	4	24	24	V	1.6	1	2.25	13
401430175	2011	4	25	1	V	1.4	1	2.66	30
401430175	2011	4	25	2	V	1.0	1	1.65	26
401430175	2011	4	25	3	V	1.0	1	1.08	9
401430175	2011	4	25	4	V	0.6	1	3.25	109
401430175	2011	4	25	5	V	1.5	1	3.46	132
401430175	2011	4	25	6	V	1.5	1	3.32	152
401430175	2011	4	25	7	V	21.7	2	1.57	170
401430175	2011	4	25	8	M	-999	1	1.42	56
401430175	2011	4	25	9	M	-999	1	2.18	89
401430175	2011	4	25	10	M	-999	1	1.67	41
401430175	2011	4	25	11	M	-999	2	3.34	30
401430175	2011	4	25	12	M	-999	1	2.79	45
401430175	2011	4	25	13	M	-999	1	3.08	16
401430175	2011	4	25	14	M	-999	1	3.59	14
401430175	2011	4	25	15	M	-999	1	2.16	32
401430175	2011	4	25	16	M	-999	1	1.38	16
401430175	2011	4	25	17	M	-999	2	2.08	199
401430175	2011	4	25	18	M	-999	2	2.57	250
401430175	2011	4	25	19	V	1.7	2	2.16	256
401430175	2011	4	25	20	V	3.2	2	2.16	250
401430175	2011	4	25	21	V	2.9	2	3.57	258
401430175	2011	4	25	22	V	1.5	2	4.05	278
401430175	2011	4	25	23	V	1.2	1	3.34	290
401430175	2011	4	25	24	V	1.6	1	3.07	304

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	26	1	V	1.4	1	2.62	293
401430175	2011	4	26	2	V	1.0	1	2.27	309
401430175	2011	4	26	3	V	0.5	1	1.93	295
401430175	2011	4	26	4	V	0.7	1	2.38	315
401430175	2011	4	26	5	V	1.6	1	1.47	311
401430175	2011	4	26	6	V	1.1	1	1.04	260
401430175	2011	4	26	7	V	1.6	1	1.04	254
401430175	2011	4	26	8	V	5.1	1	1.38	307
401430175	2011	4	26	9	V	1.9	1	2.1	322
401430175	2011	4	26	10	V	3.1	1	2.4	9
401430175	2011	4	26	11	V	5.6	1	1.16	126
401430175	2011	4	26	12	V	8.0	2	1.82	161
401430175	2011	4	26	13	V	3.4	1	2.03	107
401430175	2011	4	26	14	V	3.1	1	3.01	61
401430175	2011	4	26	15	V	4.2	2	4.41	41
401430175	2011	4	26	16	V	2.2	3	4.31	64
401430175	2011	4	26	17	V	3.8	6	3.59	1
401430175	2011	4	26	18	V	3.9	2	2.45	346
401430175	2011	4	26	19	V	1.7	2	2.95	12
401430175	2011	4	26	20	V	3.0	2	2.88	33
401430175	2011	4	26	21	V	2.9	2	2.91	37
401430175	2011	4	26	22	V	1.4	1	2.91	16
401430175	2011	4	26	23	V	1.1	1	3.86	34
401430175	2011	4	26	24	V	1.5	2	2.4	19
401430175	2011	4	27	1	V	1.4	1	2.03	14
401430175	2011	4	27	2	V	0.9	1	2.52	325
401430175	2011	4	27	3	V	0.5	1	4.75	6
401430175	2011	4	27	4	V	0.6	1	5.14	8
401430175	2011	4	27	5	V	1.5	2	3.17	14
401430175	2011	4	27	6	V	0.6	2	4.39	1
401430175	2011	4	27	7	V	1.2	2	5.21	359
401430175	2011	4	27	8	V	4.0	2	6.16	355
401430175	2011	4	27	9	V	1.4	1	5.96	347
401430175	2011	4	27	10	V	2.5	1	4.36	343
401430175	2011	4	27	11	V	2.1	1	4.29	343
401430175	2011	4	27	12	V	2.3	1	4.78	345
401430175	2011	4	27	13	V	2.4	1	5.77	336
401430175	2011	4	27	14	V	2.5	1	4.77	330
401430175	2011	4	27	15	V	1.9	1	4.58	328
401430175	2011	4	27	16	V	2.2	1	4.48	323
401430175	2011	4	27	17	V	3.8	1	4.05	327
401430175	2011	4	27	18	V	3.9	1	3.32	333
401430175	2011	4	27	19	V	1.6	1	2.21	286
401430175	2011	4	27	20	V	3.0	1	1.59	249
401430175	2011	4	27	21	V	13.2	1	1.23	235
401430175	2011	4	27	22	V	1.7	1	1.57	244

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	27	23	V	1.2	1	1.55	247
401430175	2011	4	27	24	V	5.4	1	0.99	243
401430175	2011	4	28	1	V	1.7	1	1.21	250
401430175	2011	4	28	2	V	1.2	1	1.26	261
401430175	2011	4	28	3	V	23.9	1	0.63	195
401430175	2011	4	28	4	V	21.3	1	0.72	187
401430175	2011	4	28	5	V	1.8	1	1.2	254
401430175	2011	4	28	6	V	1.0	1	1.52	243
401430175	2011	4	28	7	V	33.6	1	0.72	169
401430175	2011	4	28	8	V	17.5	1	2.42	230
401430175	2011	4	28	9	V	2.8	1	2.42	252
401430175	2011	4	28	10	V	2.8	1	3.01	284
401430175	2011	4	28	11	V	2.2	1	4.41	303
401430175	2011	4	28	12	V	2.6	1	3.64	296
401430175	2011	4	28	13	V	2.8	1	3.76	299
401430175	2011	4	28	14	V	2.9	1	3.46	286
401430175	2011	4	28	15	V	2.4	1	3.52	262
401430175	2011	4	28	16	V	2.4	1	4	276
401430175	2011	4	28	17	V	4.0	1	3.58	274
401430175	2011	4	28	18	V	4.1	1	3.03	274
401430175	2011	4	28	19	V	1.6	1	1.6	260
401430175	2011	4	28	20	V	4.2	1	0.72	264
401430175	2011	4	28	21	V	23.3	1	0.57	241
401430175	2011	4	28	22	V	4.9	1	0.65	280
401430175	2011	4	28	23	V	2.7	1	0.8	272
401430175	2011	4	28	24	C	-999	2	0	0
401430175	2011	4	29	1	V	4.9	2	0.62	314
401430175	2011	4	29	2	V	6.4	3	0.52	346
401430175	2011	4	29	3	C	-999	5	0	0
401430175	2011	4	29	4	V	4.5	2	0.62	140
401430175	2011	4	29	5	V	41.6	6	1.13	221
401430175	2011	4	29	6	V	5.8	3	1.33	185
401430175	2011	4	29	7	V	13.1	4	1.96	169
401430175	2011	4	29	8	V	11.7	9	3.35	184
401430175	2011	4	29	9	V	7.6	10	6.5	182
401430175	2011	4	29	10	V	10.1	13	8.54	177
401430175	2011	4	29	11	V	12.1	9	9.37	171
401430175	2011	4	29	12	V	11.8	8	9.92	173
401430175	2011	4	29	13	V	11.1	8	10.31	169
401430175	2011	4	29	14	V	10.2	11	10.27	167
401430175	2011	4	29	15	V	8.7	4	9.49	165
401430175	2011	4	29	16	V	9.7	4	9.73	166
401430175	2011	4	29	17	V	13.8	9	9.27	170
401430175	2011	4	29	18	V	14.7	14	9.08	174
401430175	2011	4	29	19	V	19.1	16	7.14	171
401430175	2011	4	29	20	V	11.7	2	6.3	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	4	29	21	V	6.0	4	5.75	157
401430175	2011	4	29	22	V	7.2	3	6.18	160
401430175	2011	4	29	23	V	8.4	2	4.87	163
401430175	2011	4	29	24	V	11.8	3	5.94	165
401430175	2011	4	30	1	V	12.6	4	6.06	166
401430175	2011	4	30	2	V	17.7	16	7.2	174
401430175	2011	4	30	3	V	16.7	19	7.06	174
401430175	2011	4	30	4	V	9.9	22	7.4	182
401430175	2011	4	30	5	V	9.6	15	7.35	183
401430175	2011	4	30	6	V	7.8	4	6.3	182
401430175	2011	4	30	7	V	5.7	2	5.77	187
401430175	2011	4	30	8	V	15.2	2	5.75	202
401430175	2011	4	30	9	V	9.5	2	3.88	235
401430175	2011	4	30	10	V	2.7	2	3.03	271
401430175	2011	4	30	11	V	2.3	1	3.4	292
401430175	2011	4	30	12	V	2.6	1	3.46	297
401430175	2011	4	30	13	V	2.7	1	3.61	319
401430175	2011	4	30	14	V	2.8	1	3.54	338
401430175	2011	4	30	15	V	2.2	1	3.27	352
401430175	2011	4	30	16	V	2.7	1	2.61	338
401430175	2011	4	30	17	V	4.2	1	2.69	333
401430175	2011	4	30	18	V	4.1	1	2.52	337
401430175	2011	4	30	19	V	1.6	1	1.98	343
401430175	2011	4	30	20	V	3.0	1	1.67	336
401430175	2011	4	30	21	V	2.9	1	1.54	337
401430175	2011	4	30	22	V	1.5	1	1.64	342
401430175	2011	4	30	23	V	1.2	1	1.65	350
401430175	2011	4	30	24	V	1.5	1	2.62	6
401430175	2011	5	1	1	V	1.3	1	2.47	12
401430175	2011	5	1	2	V	0.9	1	2.33	6
401430175	2011	5	1	3	V	0.5	1	2.54	5
401430175	2011	5	1	4	V	0.6	1	3.3	9
401430175	2011	5	1	5	V	1.5	1	4.53	15
401430175	2011	5	1	6	V	0.6	1	4.32	14
401430175	2011	5	1	7	V	1.2	1	3.01	353
401430175	2011	5	1	8	V	4.1	1	5.36	8
401430175	2011	5	1	9	V	1.4	1	6.02	17
401430175	2011	5	1	10	V	2.5	1	6.28	20
401430175	2011	5	1	11	V	2.0	1	5.85	13
401430175	2011	5	1	12	V	2.3	1	6.86	22
401430175	2011	5	1	13	V	2.4	1	6.43	20
401430175	2011	5	1	14	V	2.6	1	4.15	1
401430175	2011	5	1	15	V	1.8	1	5.44	7
401430175	2011	5	1	16	V	2.2	1	4.68	13
401430175	2011	5	1	17	V	3.8	1	4.58	22
401430175	2011	5	1	18	V	3.8	1	3.63	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	1	19	V	1.6	1	3.2	6
401430175	2011	5	1	20	V	3.0	1	3.34	1
401430175	2011	5	1	21	V	2.8	1	3.35	354
401430175	2011	5	1	22	V	1.5	1	3.63	352
401430175	2011	5	1	23	V	1.1	1	3	360
401430175	2011	5	1	24	V	1.5	1	2.64	6
401430175	2011	5	2	1	V	1.3	1	2.44	5
401430175	2011	5	2	2	V	0.9	1	2.59	354
401430175	2011	5	2	3	V	0.5	1	3.4	360
401430175	2011	5	2	4	V	0.6	1	3.12	4
401430175	2011	5	2	5	V	1.5	1	1.64	335
401430175	2011	5	2	6	V	0.6	1	2.11	7
401430175	2011	5	2	7	V	1.6	1	1.76	333
401430175	2011	5	2	8	V	4.7	1	2.4	8
401430175	2011	5	2	9	V	2.2	1	2.5	26
401430175	2011	5	2	10	V	3.5	1	3.34	32
401430175	2011	5	2	11	V	3.2	1	3.3	33
401430175	2011	5	2	12	V	2.7	2	4.83	59
401430175	2011	5	2	13	V	2.7	2	5.6	61
401430175	2011	5	2	14	V	2.7	1	4.58	69
401430175	2011	5	2	15	V	2.1	1	3.8	76
401430175	2011	5	2	16	V	2.4	1	3.76	73
401430175	2011	5	2	17	V	4.1	1	3.68	84
401430175	2011	5	2	18	V	4.1	1	3.78	84
401430175	2011	5	2	19	V	1.6	1	2.83	94
401430175	2011	5	2	20	V	5.5	1	0.6	259
401430175	2011	5	2	21	V	17.9	1	0.84	237
401430175	2011	5	2	22	V	1.8	1	1.2	257
401430175	2011	5	2	23	V	1.7	1	1.03	254
401430175	2011	5	2	24	V	3.2	1	1.11	244
401430175	2011	5	3	1	V	30.3	1	0.91	211
401430175	2011	5	3	2	V	33.5	1	0.77	208
401430175	2011	5	3	3	C	-999	1	0	0
401430175	2011	5	3	4	C	-999	2	0	0
401430175	2011	5	3	5	C	-999	1	0	0
401430175	2011	5	3	6	V	27.4	1	0.62	236
401430175	2011	5	3	7	C	-999	2	0	0
401430175	2011	5	3	8	V	26.3	1	1.3	209
401430175	2011	5	3	9	V	6.9	1	1.72	249
401430175	2011	5	3	10	V	7.7	2	1.77	249
401430175	2011	5	3	11	V	5.8	2	1.72	245
401430175	2011	5	3	12	V	10.6	1	2.76	223
401430175	2011	5	3	13	V	9.3	2	2.86	232
401430175	2011	5	3	14	V	10.2	1	2.79	219
401430175	2011	5	3	15	V	10.5	1	2.96	223
401430175	2011	5	3	16	V	10.6	1	2.67	223

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	3	17	V	11.6	1	2.3	231
401430175	2011	5	3	18	V	12.8	1	2.1	236
401430175	2011	5	3	19	V	10.5	1	1.35	213
401430175	2011	5	3	20	V	31.1	1	0.69	206
401430175	2011	5	3	21	V	11.0	2	0.55	252
401430175	2011	5	3	22	V	31.6	3	0.72	233
401430175	2011	5	3	23	V	48.9	5	0.6	220
401430175	2011	5	3	24	C	-999	7	0	0
401430175	2011	5	4	1	V	20.4	7	0.75	187
401430175	2011	5	4	2	V	15.6	9	0.87	196
401430175	2011	5	4	3	V	14.5	4	0.86	197
401430175	2011	5	4	4	C	-999	2	0	0
401430175	2011	5	4	5	V	31.7	1	0.72	177
401430175	2011	5	4	6	V	29.5	1	0.58	200
401430175	2011	5	4	7	V	12.1	2	1.04	173
401430175	2011	5	4	8	V	14.8	2	2.13	173
401430175	2011	5	4	9	V	8.9	2	4.19	184
401430175	2011	5	4	10	V	9.5	-999	5.41	192
401430175	2011	5	4	11	V	10.3	-999	6.12	196
401430175	2011	5	4	12	V	9.8	1	6.5	192
401430175	2011	5	4	13	V	9.6	1	6.77	183
401430175	2011	5	4	14	V	10.0	1	6.5	189
401430175	2011	5	4	15	V	9.8	1	6.13	187
401430175	2011	5	4	16	V	10.2	1	6.7	181
401430175	2011	5	4	17	V	12.1	1	6.82	180
401430175	2011	5	4	18	V	13.9	1	6.33	176
401430175	2011	5	4	19	V	15.0	1	5.31	172
401430175	2011	5	4	20	V	13.5	1	3.54	173
401430175	2011	5	4	21	V	5.5	2	2.93	183
401430175	2011	5	4	22	V	2.1	2	2.93	200
401430175	2011	5	4	23	V	1.5	2	3.12	194
401430175	2011	5	4	24	V	7.9	2	3.52	180
401430175	2011	5	5	1	V	10.6	2	4.14	168
401430175	2011	5	5	2	V	3.4	2	2.03	184
401430175	2011	5	5	3	V	1.3	2	1.13	246
401430175	2011	5	5	4	V	1.7	2	1.64	189
401430175	2011	5	5	5	V	42.3	1	1.08	222
401430175	2011	5	5	6	V	13.4	1	1.23	205
401430175	2011	5	5	7	V	11.9	1	2.15	168
401430175	2011	5	5	8	V	12.1	1	4.95	169
401430175	2011	5	5	9	V	11.1	2	5.95	175
401430175	2011	5	5	10	V	9.1	2	6.58	193
401430175	2011	5	5	11	V	15.9	2	5.58	207
401430175	2011	5	5	12	V	16.6	2	5.69	218
401430175	2011	5	5	13	V	13.2	2	4.39	228
401430175	2011	5	5	14	V	11.8	1	4.49	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	5	15	V	2.5	1	3.08	291
401430175	2011	5	5	16	V	2.9	2	3.18	319
401430175	2011	5	5	17	V	4.4	2	3.1	312
401430175	2011	5	5	18	V	4.5	1	2.79	331
401430175	2011	5	5	19	V	1.6	1	2.64	357
401430175	2011	5	5	20	V	3.0	1	2.08	9
401430175	2011	5	5	21	V	3.8	1	0.86	2
401430175	2011	5	5	22	V	1.5	1	1.81	6
401430175	2011	5	5	23	V	2.2	1	2.18	50
401430175	2011	5	5	24	V	7.8	1	1.62	43
401430175	2011	5	6	1	V	6.3	1	0.55	320
401430175	2011	5	6	2	V	2.6	1	0.94	248
401430175	2011	5	6	3	V	3.9	1	0.65	261
401430175	2011	5	6	4	C	-999	1	0	0
401430175	2011	5	6	5	V	31.1	1	0.6	235
401430175	2011	5	6	6	C	-999	1	0	0
401430175	2011	5	6	7	C	-999	2	0	0
401430175	2011	5	6	8	V	23.2	2	1.18	198
401430175	2011	5	6	9	V	11.3	2	3.25	174
401430175	2011	5	6	10	V	9.7	2	4.24	168
401430175	2011	5	6	11	V	9.6	2	5.04	179
401430175	2011	5	6	12	V	9.6	1	5.02	174
401430175	2011	5	6	13	V	10.1	1	5.94	178
401430175	2011	5	6	14	V	10.2	2	5.97	181
401430175	2011	5	6	15	V	9.6	1	6.19	185
401430175	2011	5	6	16	V	9.7	1	6.63	184
401430175	2011	5	6	17	V	11.7	2	6.55	182
401430175	2011	5	6	18	V	12.0	2	6.07	182
401430175	2011	5	6	19	V	9.8	2	5.14	181
401430175	2011	5	6	20	V	12.8	2	4.07	169
401430175	2011	5	6	21	V	5.1	2	2.96	159
401430175	2011	5	6	22	V	9.7	2	3.3	165
401430175	2011	5	6	23	V	4.5	2	3.15	160
401430175	2011	5	6	24	V	5.3	2	3.52	160
401430175	2011	5	7	1	V	6.7	2	3.39	162
401430175	2011	5	7	2	V	7.5	2	3.71	164
401430175	2011	5	7	3	V	8.5	2	3.56	165
401430175	2011	5	7	4	V	9.2	2	3.74	167
401430175	2011	5	7	5	V	8.2	2	2.56	165
401430175	2011	5	7	6	V	2.4	2	4.56	188
401430175	2011	5	7	7	V	7.5	2	5.12	193
401430175	2011	5	7	8	V	10.0	2	4.88	189
401430175	2011	5	7	9	V	7.9	2	5.24	190
401430175	2011	5	7	10	V	9.7	2	5.09	191
401430175	2011	5	7	11	V	10.5	2	4.31	193
401430175	2011	5	7	12	V	8.3	2	3.56	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	7	13	V	8.5	2	2.95	175
401430175	2011	5	7	14	V	7.3	2	3.9	162
401430175	2011	5	7	15	V	5.6	2	4.24	156
401430175	2011	5	7	16	V	8.5	2	4.54	165
401430175	2011	5	7	17	V	12.4	2	4.2	175
401430175	2011	5	7	18	V	12.9	2	4.48	166
401430175	2011	5	7	19	V	7.2	2	3.44	160
401430175	2011	5	7	20	V	3.1	2	2.69	155
401430175	2011	5	7	21	V	24.9	2	1.31	177
401430175	2011	5	7	22	V	21.2	1	1.48	167
401430175	2011	5	7	23	V	11.6	1	1.01	194
401430175	2011	5	7	24	V	33.3	2	1.25	172
401430175	2011	5	8	1	V	30.0	2	0.63	201
401430175	2011	5	8	2	V	31.7	2	0.94	167
401430175	2011	5	8	3	V	12.1	2	1.33	181
401430175	2011	5	8	4	V	0.6	2	1.96	146
401430175	2011	5	8	5	V	2.1	2	1.99	157
401430175	2011	5	8	6	V	8.8	2	3.27	165
401430175	2011	5	8	7	V	6.7	2	4.2	161
401430175	2011	5	8	8	V	10.8	2	5.17	165
401430175	2011	5	8	9	V	8.0	2	5.16	163
401430175	2011	5	8	10	V	9.7	2	6.01	166
401430175	2011	5	8	11	V	9.3	2	6.45	168
401430175	2011	5	8	12	V	9.5	2	6.65	168
401430175	2011	5	8	13	V	8.7	2	7.31	165
401430175	2011	5	8	14	V	10.0	2	8.22	169
401430175	2011	5	8	15	V	9.8	2	8.15	171
401430175	2011	5	8	16	V	9.5	2	8.11	167
401430175	2011	5	8	17	V	12.8	2	7.81	174
401430175	2011	5	8	18	V	14.2	2	7.3	174
401430175	2011	5	8	19	V	16.7	2	6.01	171
401430175	2011	5	8	20	V	14.0	2	5.09	176
401430175	2011	5	8	21	V	14.0	2	4.7	169
401430175	2011	5	8	22	V	10.7	2	5.21	165
401430175	2011	5	8	23	V	4.6	2	4.27	159
401430175	2011	5	8	24	V	10.6	2	3.88	168
401430175	2011	5	9	1	V	15.7	2	2.35	171
401430175	2011	5	9	2	V	9.0	2	1.81	164
401430175	2011	5	9	3	V	5.8	2	4.05	181
401430175	2011	5	9	4	V	4.4	2	5.21	185
401430175	2011	5	9	5	V	9.3	2	4.46	179
401430175	2011	5	9	6	V	7.9	2	4.17	179
401430175	2011	5	9	7	V	9.0	2	5.73	179
401430175	2011	5	9	8	V	8.8	2	6.92	184
401430175	2011	5	9	9	V	6.0	2	7.26	185
401430175	2011	5	9	10	V	8.0	2	7.13	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	9	11	V	9.1	2	7.45	179
401430175	2011	5	9	12	V	9.9	2	7.37	176
401430175	2011	5	9	13	V	7.6	2	8.4	187
401430175	2011	5	9	14	V	9.3	2	8.11	179
401430175	2011	5	9	15	V	9.5	2	7.48	177
401430175	2011	5	9	16	V	10.2	2	7.3	177
401430175	2011	5	9	17	V	12.8	2	7.28	173
401430175	2011	5	9	18	V	12.9	2	7.11	178
401430175	2011	5	9	19	V	14.3	2	6.36	179
401430175	2011	5	9	20	V	13.6	2	5.26	177
401430175	2011	5	9	21	V	14.4	2	4.68	170
401430175	2011	5	9	22	V	11.0	2	4	168
401430175	2011	5	9	23	V	4.3	2	3.95	159
401430175	2011	5	9	24	V	10.7	2	3.88	168
401430175	2011	5	10	1	V	16.3	2	2.11	170
401430175	2011	5	10	2	V	10.8	2	1.62	164
401430175	2011	5	10	3	V	5.9	2	4.05	181
401430175	2011	5	10	4	V	4.4	2	5.21	185
401430175	2011	5	10	5	V	9.5	2	4.51	179
401430175	2011	5	10	6	V	7.9	2	4.15	179
401430175	2011	5	10	7	V	9.4	2	4.8	179
401430175	2011	5	10	8	V	15.0	2	5.65	173
401430175	2011	5	10	9	V	10.5	3	6.23	174
401430175	2011	5	10	10	V	7.9	3	7.57	186
401430175	2011	5	10	11	V	7.4	3	8.66	191
401430175	2011	5	10	12	V	7.6	2	8.28	184
401430175	2011	5	10	13	V	8.9	2	7.54	182
401430175	2011	5	10	14	V	8.0	2	7.77	189
401430175	2011	5	10	15	V	9.5	2	6.65	192
401430175	2011	5	10	16	V	10.4	2	5.44	180
401430175	2011	5	10	17	V	12.3	4	6.11	179
401430175	2011	5	10	18	V	13.9	2	4.12	172
401430175	2011	5	10	19	V	13.4	2	3.35	169
401430175	2011	5	10	20	V	17.2	2	2.57	169
401430175	2011	5	10	21	V	19.5	2	1.99	170
401430175	2011	5	10	22	V	1.4	2	2.35	133
401430175	2011	5	10	23	V	1.1	2	2.98	143
401430175	2011	5	10	24	V	1.5	2	2.64	141
401430175	2011	5	11	1	V	1.3	2	2.16	137
401430175	2011	5	11	2	V	13.5	2	1.04	198
401430175	2011	5	11	3	V	12.8	3	0.99	196
401430175	2011	5	11	4	V	10.5	2	1.42	181
401430175	2011	5	11	5	V	19.3	2	1.89	174
401430175	2011	5	11	6	V	10.7	2	3.22	167
401430175	2011	5	11	7	V	9.0	2	3.15	164
401430175	2011	5	11	8	V	14.2	2	4.29	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	11	9	V	10.3	2	6.63	174
401430175	2011	5	11	10	V	12.0	2	7.47	175
401430175	2011	5	11	11	V	9.1	3	6.23	189
401430175	2011	5	11	12	V	8.8	8	7.18	184
401430175	2011	5	11	13	V	10.0	2	6.24	176
401430175	2011	5	11	14	V	9.8	3	6.11	170
401430175	2011	5	11	15	V	11.3	5	6.35	175
401430175	2011	5	11	16	V	12.8	5	5.48	168
401430175	2011	5	11	17	V	14.6	3	4.66	233
401430175	2011	5	11	18	V	4.4	1	2.59	313
401430175	2011	5	11	19	V	1.7	1	3.07	110
401430175	2011	5	11	20	V	3.0	2	1.77	108
401430175	2011	5	11	21	V	3.7	2	0.96	251
401430175	2011	5	11	22	V	1.7	3	1.38	126
401430175	2011	5	11	23	V	18.4	2	1.99	170
401430175	2011	5	11	24	V	17.3	3	2.21	173
401430175	2011	5	12	1	V	11.4	5	2.88	167
401430175	2011	5	12	2	V	12.5	24	3.35	169
401430175	2011	5	12	3	V	9.9	22	2.4	164
401430175	2011	5	12	4	V	15.6	14	2.52	170
401430175	2011	5	12	5	V	18.1	13	2.13	172
401430175	2011	5	12	6	V	16.8	10	2.11	171
401430175	2011	5	12	7	V	10.5	10	2.44	165
401430175	2011	5	12	8	V	12.2	14	3.56	172
401430175	2011	5	12	9	V	7.2	4	4.9	186
401430175	2011	5	12	10	V	10.9	8	6.06	196
401430175	2011	5	12	11	V	14.9	24	5.38	203
401430175	2011	5	12	12	V	12.1	16	5.87	199
401430175	2011	5	12	13	V	10.9	14	5.58	196
401430175	2011	5	12	14	V	16.5	27	5.09	214
401430175	2011	5	12	15	V	14.9	12	4.26	202
401430175	2011	5	12	16	V	10.4	6	4.15	186
401430175	2011	5	12	17	V	4.4	2	1.96	285
401430175	2011	5	12	18	V	18.5	2	2.28	204
401430175	2011	5	12	19	V	1.6	4	3.15	147
401430175	2011	5	12	20	V	3.2	22	1.21	278
401430175	2011	5	12	21	V	46.7	30	0.62	225
401430175	2011	5	12	22	V	46.2	3	0.92	224
401430175	2011	5	12	23	V	41.2	2	0.86	216
401430175	2011	5	12	24	V	1.7	2	1.42	300
401430175	2011	5	13	1	V	1.4	2	1.6	272
401430175	2011	5	13	2	V	1.0	2	2.79	265
401430175	2011	5	13	3	V	0.5	2	2.64	263
401430175	2011	5	13	4	V	0.6	3	1.93	258
401430175	2011	5	13	5	V	1.5	2	2.3	256
401430175	2011	5	13	6	V	0.6	2	3.12	274

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	13	7	V	1.2	2	3.83	294
401430175	2011	5	13	8	V	4.1	2	4.54	305
401430175	2011	5	13	9	V	1.4	2	4.39	312
401430175	2011	5	13	10	V	2.6	2	4	316
401430175	2011	5	13	11	V	2.1	2	4.05	320
401430175	2011	5	13	12	V	2.4	-999	4.61	319
401430175	2011	5	13	13	V	2.5	0	4.7	325
401430175	2011	5	13	14	V	2.6	0	3.64	307
401430175	2011	5	13	15	V	2.0	0	3.97	317
401430175	2011	5	13	16	V	2.2	0	3.88	321
401430175	2011	5	13	17	V	3.9	0	3.75	325
401430175	2011	5	13	18	V	3.9	0	3.39	340
401430175	2011	5	13	19	V	1.6	0	3.58	353
401430175	2011	5	13	20	V	3.0	0	2.89	347
401430175	2011	5	13	21	V	2.8	0	2.91	348
401430175	2011	5	13	22	V	1.5	0	3.08	345
401430175	2011	5	13	23	V	1.2	0	3.63	346
401430175	2011	5	13	24	V	1.6	0	4.03	350
401430175	2011	5	14	1	V	1.4	0	4.56	351
401430175	2011	5	14	2	V	1.0	0	4.19	344
401430175	2011	5	14	3	V	0.5	0	4.36	341
401430175	2011	5	14	4	V	0.6	0	4.25	345
401430175	2011	5	14	5	V	1.5	0	4.34	342
401430175	2011	5	14	6	V	0.6	0	3.66	349
401430175	2011	5	14	7	V	1.2	0	4.7	348
401430175	2011	5	14	8	V	4.1	0	5	347
401430175	2011	5	14	9	V	1.4	0	4.76	346
401430175	2011	5	14	10	V	2.7	0	5.11	343
401430175	2011	5	14	11	V	2.2	0	4.95	349
401430175	2011	5	14	12	V	2.5	0	5.1	345
401430175	2011	5	14	13	V	2.7	0	4.83	338
401430175	2011	5	14	14	V	2.7	0	4.76	346
401430175	2011	5	14	15	V	2.0	0	4.92	349
401430175	2011	5	14	16	V	2.3	0	4.85	350
401430175	2011	5	14	17	V	3.9	0	4.7	344
401430175	2011	5	14	18	V	3.9	0	3.81	353
401430175	2011	5	14	19	V	1.6	0	2.81	355
401430175	2011	5	14	20	V	3.0	0	2.1	5
401430175	2011	5	14	21	V	2.8	0	2.16	355
401430175	2011	5	14	22	V	1.4	0	2.88	346
401430175	2011	5	14	23	V	1.1	0	3.49	352
401430175	2011	5	14	24	V	1.5	0	3.37	347
401430175	2011	5	15	1	V	1.4	0	3.83	352
401430175	2011	5	15	2	V	1.0	0	3.15	352
401430175	2011	5	15	3	V	0.5	0	2.28	343
401430175	2011	5	15	4	V	0.6	0	1.81	323

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	15	5	V	1.5	0	1.69	321
401430175	2011	5	15	6	V	0.6	0	2.15	319
401430175	2011	5	15	7	V	1.5	0	2.35	313
401430175	2011	5	15	8	V	4.3	0	3.29	324
401430175	2011	5	15	9	V	1.6	0	4.37	340
401430175	2011	5	15	10	V	2.8	0	4.14	332
401430175	2011	5	15	11	V	2.3	0	4.14	327
401430175	2011	5	15	12	V	2.6	0	4.46	334
401430175	2011	5	15	13	V	2.7	0	4.17	324
401430175	2011	5	15	14	V	2.8	0	4.09	321
401430175	2011	5	15	15	V	2.1	0	3.92	316
401430175	2011	5	15	16	V	2.4	0	4.48	336
401430175	2011	5	15	17	V	4.0	0	4.43	331
401430175	2011	5	15	18	V	3.9	0	4.02	354
401430175	2011	5	15	19	V	1.6	0	3.71	355
401430175	2011	5	15	20	V	3.0	0	4.8	8
401430175	2011	5	15	21	V	2.8	0	5.5	17
401430175	2011	5	15	22	V	1.5	0	3.32	10
401430175	2011	5	15	23	V	1.1	0	2.66	1
401430175	2011	5	15	24	V	1.5	0	2.57	1
401430175	2011	5	16	1	V	1.3	0	2.37	358
401430175	2011	5	16	2	V	0.9	0	2.35	357
401430175	2011	5	16	3	V	0.5	0	1.82	334
401430175	2011	5	16	4	V	0.9	0	1.2	315
401430175	2011	5	16	5	V	1.5	0	1.64	333
401430175	2011	5	16	6	V	0.9	0	1.25	343
401430175	2011	5	16	7	V	2.7	0	1.21	294
401430175	2011	5	16	8	V	4.2	0	3.85	10
401430175	2011	5	16	9	V	1.8	0	3.3	24
401430175	2011	5	16	10	V	3.3	0	2.91	25
401430175	2011	5	16	11	V	3.4	0	3.49	35
401430175	2011	5	16	12	V	3.0	0	3.44	27
401430175	2011	5	16	13	V	3.0	0	3.29	16
401430175	2011	5	16	14	V	3.2	0	2.91	5
401430175	2011	5	16	15	V	2.9	0	2.44	8
401430175	2011	5	16	16	V	3.1	0	2.55	11
401430175	2011	5	16	17	V	4.6	0	2.61	8
401430175	2011	5	16	18	V	4.8	0	1.98	359
401430175	2011	5	16	19	V	1.9	0	1.62	16
401430175	2011	5	16	20	V	4.0	0	0.79	10
401430175	2011	5	16	21	V	6.3	2	0.63	3
401430175	2011	5	16	22	V	6.6	1	0.53	274
401430175	2011	5	16	23	V	3.2	1	0.74	278
401430175	2011	5	16	24	V	4.4	1	0.67	260
401430175	2011	5	17	1	C	-999	0	0	0
401430175	2011	5	17	2	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	17	3	C	-999	0	0	0
401430175	2011	5	17	4	C	-999	0	0	0
401430175	2011	5	17	5	C	-999	0	0	0
401430175	2011	5	17	6	C	-999	0	0	0
401430175	2011	5	17	7	V	11.8	1	0.52	147
401430175	2011	5	17	8	V	8.9	1	1.11	82
401430175	2011	5	17	9	V	5.6	1	2.55	155
401430175	2011	5	17	10	V	6.6	2	3.03	157
401430175	2011	5	17	11	V	2.6	2	3.17	110
401430175	2011	5	17	12	V	3.0	2	3.1	92
401430175	2011	5	17	13	V	3.1	2	3.27	110
401430175	2011	5	17	14	V	3.2	1	3.22	102
401430175	2011	5	17	15	V	2.5	1	3.22	98
401430175	2011	5	17	16	V	2.9	2	2.98	119
401430175	2011	5	17	17	V	4.4	2	3.93	136
401430175	2011	5	17	18	V	4.0	2	4.19	125
401430175	2011	5	17	19	V	1.6	1	3.93	118
401430175	2011	5	17	20	V	2.9	1	2.33	127
401430175	2011	5	17	21	V	3.7	1	0.77	294
401430175	2011	5	17	22	V	2.2	0	0.97	15
401430175	2011	5	17	23	V	2.5	0	0.84	65
401430175	2011	5	17	24	V	1.5	0	3.05	121
401430175	2011	5	18	1	V	1.4	0	1.62	97
401430175	2011	5	18	2	V	0.9	1	2.84	105
401430175	2011	5	18	3	V	0.5	1	2.84	98
401430175	2011	5	18	4	V	0.6	1	2.76	65
401430175	2011	5	18	5	V	1.5	0	3.03	107
401430175	2011	5	18	6	V	0.6	0	3.8	132
401430175	2011	5	18	7	V	1.3	0	3.08	88
401430175	2011	5	18	8	V	4.1	1	2.89	103
401430175	2011	5	18	9	V	1.5	1	4.36	99
401430175	2011	5	18	10	V	2.5	2	6.21	120
401430175	2011	5	18	11	V	2.0	1	5.73	130
401430175	2011	5	18	12	V	2.3	1	6.3	140
401430175	2011	5	18	13	V	2.5	-999	5.87	144
401430175	2011	5	18	14	V	2.5	0	5.44	141
401430175	2011	5	18	15	V	1.9	0	4.77	123
401430175	2011	5	18	16	V	2.1	0	5.87	122
401430175	2011	5	18	17	V	3.7	0	5.9	118
401430175	2011	5	18	18	V	3.8	1	5.33	122
401430175	2011	5	18	19	V	1.6	1	4.73	131
401430175	2011	5	18	20	V	2.9	1	4.43	136
401430175	2011	5	18	21	V	2.8	1	4.87	137
401430175	2011	5	18	22	V	1.5	1	4.75	134
401430175	2011	5	18	23	V	1.1	1	4.19	138
401430175	2011	5	18	24	V	1.6	1	3.7	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	19	1	V	1.7	1	4.36	149
401430175	2011	5	19	2	V	1.3	1	5.36	149
401430175	2011	5	19	3	V	2.0	1	3.86	154
401430175	2011	5	19	4	V	12.6	1	4.36	171
401430175	2011	5	19	5	V	12.0	1	5.96	179
401430175	2011	5	19	6	V	14.9	27	5.96	172
401430175	2011	5	19	7	V	15.1	28	6.46	173
401430175	2011	5	19	8	V	16.2	14	7.46	172
401430175	2011	5	19	9	V	11.2	11	8.46	176
401430175	2011	5	19	10	V	8.3	-999	6.46	162
401430175	2011	5	19	11	V	11.3	8	6.96	175
401430175	2011	5	19	12	V	5.1	3	7.46	157
401430175	2011	5	19	13	V	5.7	3	6.96	158
401430175	2011	5	19	14	V	8.6	1	5.36	161
401430175	2011	5	19	15	V	8.9	7	6.17	163
401430175	2011	5	19	16	V	7.3	2	5.02	159
401430175	2011	5	19	17	V	6.0	1	5.46	155
401430175	2011	5	19	18	V	6.1	1	5.53	156
401430175	2011	5	19	19	V	10.0	1	5.36	164
401430175	2011	5	19	20	V	8.6	1	3.97	161
401430175	2011	5	19	21	V	3.8	0	4.44	152
401430175	2011	5	19	22	V	2.1	0	3.37	151
401430175	2011	5	19	23	V	1.5	0	3.47	151
401430175	2011	5	19	24	V	12.1	2	4.36	167
401430175	2011	5	20	1	V	3.4	10	3.15	197
401430175	2011	5	20	2	V	1.0	2	2.27	147
401430175	2011	5	20	3	V	0.5	0	3.59	121
401430175	2011	5	20	4	V	0.6	0	3.39	139
401430175	2011	5	20	5	V	1.5	0	3.44	141
401430175	2011	5	20	6	V	1.3	0	3.95	151
401430175	2011	5	20	7	V	20.1	4	3.3	214
401430175	2011	5	20	8	V	14.5	4	2.4	178
401430175	2011	5	20	9	V	12.3	5	1.72	190
401430175	2011	5	20	10	V	14.1	3	2.74	169
401430175	2011	5	20	11	V	2.3	3	2.74	112
401430175	2011	5	20	12	V	3.0	0	4.2	146
401430175	2011	5	20	13	V	2.6	0	5.46	132
401430175	2011	5	20	14	V	6.4	3	4.14	157
401430175	2011	5	20	15	V	12.3	7	4.15	196
401430175	2011	5	20	16	V	10.1	12	4.92	176
401430175	2011	5	20	17	V	3.8	7	5.16	132
401430175	2011	5	20	18	V	13.5	11	3.68	183
401430175	2011	5	20	19	V	4.3	0	3.47	155
401430175	2011	5	20	20	V	7.1	1	2.61	163
401430175	2011	5	20	21	V	12.5	6	3.32	178
401430175	2011	5	20	22	V	3.7	3	3.92	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	20	23	V	9.2	0	4.2	164
401430175	2011	5	20	24	V	9.4	1	4.02	164
401430175	2011	5	21	1	V	11.7	24	4.08	176
401430175	2011	5	21	2	V	10.1	16	4.12	178
401430175	2011	5	21	3	V	9.3	15	3.93	178
401430175	2011	5	21	4	V	9.6	24	4.02	178
401430175	2011	5	21	5	V	10.3	12	4.24	165
401430175	2011	5	21	6	V	12.3	22	5.19	176
401430175	2011	5	21	7	V	8.7	14	5.44	180
401430175	2011	5	21	8	V	10.0	17	5.43	183
401430175	2011	5	21	9	V	7.8	11	6.58	182
401430175	2011	5	21	10	V	9.5	18	6.67	181
401430175	2011	5	21	11	V	8.8	11	6.47	181
401430175	2011	5	21	12	V	10.2	14	6.94	175
401430175	2011	5	21	13	V	9.8	22	6.64	169
401430175	2011	5	21	14	V	9.6	8	7.65	168
401430175	2011	5	21	15	V	9.6	8	7.67	171
401430175	2011	5	21	16	V	11.7	19	6.96	172
401430175	2011	5	21	17	V	12.3	15	7.09	174
401430175	2011	5	21	18	V	13.6	25	6.57	174
401430175	2011	5	21	19	V	15.1	30	5.72	172
401430175	2011	5	21	20	V	13.9	29	4.46	169
401430175	2011	5	21	21	V	14.3	21	4.67	170
401430175	2011	5	21	22	V	10.5	2	4.44	166
401430175	2011	5	21	23	V	12.1	34	4.58	169
401430175	2011	5	21	24	V	14.2	25	4.94	171
401430175	2011	5	22	1	V	12.1	45	5.33	178
401430175	2011	5	22	2	V	12.3	54	5.22	177
401430175	2011	5	22	3	V	11.1	35	5.94	179
401430175	2011	5	22	4	V	11.1	48	5.22	178
401430175	2011	5	22	5	V	11.5	53	4.2	177
401430175	2011	5	22	6	V	1.9	13	3.54	192
401430175	2011	5	22	7	V	7.8	35	5.04	182
401430175	2011	5	22	8	V	9.3	15	5.58	185
401430175	2011	5	22	9	V	5.4	9	6.86	186
401430175	2011	5	22	10	V	7.1	8	7.98	189
401430175	2011	5	22	11	V	9.1	9	7.81	195
401430175	2011	5	22	12	V	8.8	10	7.93	194
401430175	2011	5	22	13	V	9.5	9	7.48	195
401430175	2011	5	22	14	V	10.6	13	7.88	198
401430175	2011	5	22	15	V	11.3	22	7.36	200
401430175	2011	5	22	16	V	16.8	33	5.87	207
401430175	2011	5	22	17	V	19.0	32	5.63	206
401430175	2011	5	22	18	V	22.1	2	4	220
401430175	2011	5	22	19	V	21.3	3	2.22	215
401430175	2011	5	22	20	V	7.8	10	6.55	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	22	21	V	13.1	20	2.93	223
401430175	2011	5	22	22	V	1.5	35	1.62	265
401430175	2011	5	22	23	V	7.3	13	1.25	195
401430175	2011	5	22	24	V	14.1	9	1.42	213
401430175	2011	5	23	1	V	42.7	6	0.57	229
401430175	2011	5	23	2	V	33.2	10	0.53	175
401430175	2011	5	23	3	V	2.7	3	0.75	128
401430175	2011	5	23	4	V	0.6	1	2.06	131
401430175	2011	5	23	5	V	1.5	1	3.3	148
401430175	2011	5	23	6	V	7.2	5	4.22	163
401430175	2011	5	23	7	V	9.4	24	4.32	180
401430175	2011	5	23	8	V	9.4	11	5.87	184
401430175	2011	5	23	9	V	6.6	6	5.75	184
401430175	2011	5	23	10	V	10.7	12	5.17	195
401430175	2011	5	23	11	V	11.7	8	3.91	180
401430175	2011	5	23	12	V	12.7	1	3.91	178
401430175	2011	5	23	13	V	7.8	1	6.12	185
401430175	2011	5	23	14	V	8.1	7	7.11	183
401430175	2011	5	23	15	V	7.2	8	6.47	191
401430175	2011	5	23	16	V	7.9	6	6.58	192
401430175	2011	5	23	17	V	10.8	11	4.03	191
401430175	2011	5	23	18	V	23.8	1	3.73	218
401430175	2011	5	23	19	V	1.6	0	5.56	10
401430175	2011	5	23	20	V	3.8	0	4.65	51
401430175	2011	5	23	21	V	6.8	11	6.02	187
401430175	2011	5	23	22	V	8.8	7	6.64	201
401430175	2011	5	23	23	V	8.3	4	4.97	163
401430175	2011	5	23	24	V	1.5	1	3.58	131
401430175	2011	5	24	1	V	3.8	1	1.42	188
401430175	2011	5	24	2	V	15.2	1	2.49	172
401430175	2011	5	24	3	V	7.7	9	3.85	178
401430175	2011	5	24	4	V	2.2	1	3.4	156
401430175	2011	5	24	5	V	13.6	29	5.53	168
401430175	2011	5	24	6	V	14.2	38	6.6	177
401430175	2011	5	24	7	V	10.8	21	5.94	173
401430175	2011	5	24	8	V	14.0	7	6.84	169
401430175	2011	5	24	9	V	12.2	6	7.37	169
401430175	2011	5	24	10	V	14.1	29	6.09	171
401430175	2011	5	24	11	V	10.6	30	6.22	179
401430175	2011	5	24	12	V	7.1	12	7.09	186
401430175	2011	5	24	13	V	8.1	6	7.55	185
401430175	2011	5	24	14	V	10.3	18	7.14	179
401430175	2011	5	24	15	V	11.3	22	7.21	171
401430175	2011	5	24	16	V	7.1	10	6.24	160
401430175	2011	5	24	17	V	6.5	1	6.21	157
401430175	2011	5	24	18	V	5.9	4	5.89	154

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	24	19	V	14.2	11	4.34	167
401430175	2011	5	24	20	V	32.8	6	6.35	210
401430175	2011	5	24	21	V	2.8	9	3.52	148
401430175	2011	5	24	22	V	3.3	2	1.99	206
401430175	2011	5	24	23	V	6.4	7	4.1	162
401430175	2011	5	24	24	V	4.5	1	3.39	159
401430175	2011	5	25	1	V	9.5	9	3.71	166
401430175	2011	5	25	2	V	1.7	25	3.1	198
401430175	2011	5	25	3	V	1.8	14	2.1	199
401430175	2011	5	25	4	V	2.5	18	4.17	207
401430175	2011	5	25	5	V	3.6	25	4.2	208
401430175	2011	5	25	6	V	7.5	34	4	210
401430175	2011	5	25	7	V	18.6	20	4.58	222
401430175	2011	5	25	8	V	16.6	1	5.24	230
401430175	2011	5	25	9	V	10.4	1	5.68	233
401430175	2011	5	25	10	V	4.3	0	4.54	248
401430175	2011	5	25	11	V	6.4	0	4.54	242
401430175	2011	5	25	12	V	7.4	1	4.95	240
401430175	2011	5	25	13	V	9.6	-999	6.26	236
401430175	2011	5	25	14	V	7.6	0	5.33	242
401430175	2011	5	25	15	V	5.9	0	5.62	244
401430175	2011	5	25	16	V	2.6	0	4.75	270
401430175	2011	5	25	17	V	4.2	0	4.46	288
401430175	2011	5	25	18	V	4.1	0	3.59	293
401430175	2011	5	25	19	V	1.5	0	2.98	287
401430175	2011	5	25	20	V	3.0	0	3.81	300
401430175	2011	5	25	21	V	2.8	0	4.2	314
401430175	2011	5	25	22	V	1.5	0	3.98	317
401430175	2011	5	25	23	V	1.2	0	3.93	316
401430175	2011	5	25	24	V	1.6	0	4.24	327
401430175	2011	5	26	1	V	1.4	0	4.48	333
401430175	2011	5	26	2	V	1.0	0	3.58	332
401430175	2011	5	26	3	V	0.5	0	3.69	332
401430175	2011	5	26	4	V	0.6	0	3.52	343
401430175	2011	5	26	5	V	1.5	0	3.51	344
401430175	2011	5	26	6	V	0.6	0	3.12	340
401430175	2011	5	26	7	V	1.4	0	2.54	337
401430175	2011	5	26	8	V	4.1	0	3.07	339
401430175	2011	5	26	9	V	1.5	0	3.95	352
401430175	2011	5	26	10	V	3.0	0	3.37	346
401430175	2011	5	26	11	V	2.6	0	3.01	327
401430175	2011	5	26	12	V	3.0	0	2.96	333
401430175	2011	5	26	13	V	3.3	0	2.71	336
401430175	2011	5	26	14	V	3.2	0	3	353
401430175	2011	5	26	15	V	2.9	0	2.57	356
401430175	2011	5	26	16	V	3.9	0	1.93	351

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	26	17	V	6.7	0	1.38	339
401430175	2011	5	26	18	V	7.2	0	1.04	343
401430175	2011	5	26	19	V	2.9	0	1.84	43
401430175	2011	5	26	20	V	3.0	1	2.16	77
401430175	2011	5	26	21	V	4.2	1	0.86	55
401430175	2011	5	26	22	V	3.6	0	0.77	55
401430175	2011	5	26	23	V	6.1	0	0.53	60
401430175	2011	5	26	24	C	-999	0	0	0
401430175	2011	5	27	1	V	1.5	0	1.52	134
401430175	2011	5	27	2	V	0.9	0	2.69	126
401430175	2011	5	27	3	V	0.5	0	3.85	125
401430175	2011	5	27	4	V	0.6	0	3.54	135
401430175	2011	5	27	5	V	1.6	0	3.27	150
401430175	2011	5	27	6	V	0.5	0	3.95	136
401430175	2011	5	27	7	V	1.3	0	4.17	136
401430175	2011	5	27	8	V	4.2	0	4.85	144
401430175	2011	5	27	9	V	1.9	0	5.44	152
401430175	2011	5	27	10	V	3.8	0	6.41	155
401430175	2011	5	27	11	V	6.5	0	7.65	161
401430175	2011	5	27	12	V	10.0	13	7.54	170
401430175	2011	5	27	13	V	11.7	16	7.23	174
401430175	2011	5	27	14	V	12.8	16	5.53	176
401430175	2011	5	27	15	V	8.2	7	5.31	186
401430175	2011	5	27	16	V	9.3	2	4.97	188
401430175	2011	5	27	17	V	16.1	10	4.75	174
401430175	2011	5	27	18	V	12.1	10	3.29	163
401430175	2011	5	27	19	V	1.6	1	3.22	131
401430175	2011	5	27	20	V	3.0	1	2.95	133
401430175	2011	5	27	21	V	2.8	1	3.3	118
401430175	2011	5	27	22	V	1.4	1	3.42	123
401430175	2011	5	27	23	V	1.1	1	3.83	126
401430175	2011	5	27	24	V	1.5	2	3.52	122
401430175	2011	5	28	1	V	1.4	4	4.12	119
401430175	2011	5	28	2	V	0.9	2	4.53	125
401430175	2011	5	28	3	V	0.5	2	4.1	140
401430175	2011	5	28	4	V	0.6	1	3.88	139
401430175	2011	5	28	5	V	1.4	1	3.59	134
401430175	2011	5	28	6	V	0.5	1	2.86	85
401430175	2011	5	28	7	V	1.4	1	3.25	99
401430175	2011	5	28	8	V	4.2	1	3.69	132
401430175	2011	5	28	9	V	1.5	1	4	138
401430175	2011	5	28	10	V	9.5	1	4.26	162
401430175	2011	5	28	11	V	11.0	20	5.46	179
401430175	2011	5	28	12	V	9.6	12	5.02	183
401430175	2011	5	28	13	V	11.1	5	4.82	178
401430175	2011	5	28	14	V	10.0	12	5.39	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	28	15	V	11.0	4	6.07	169
401430175	2011	5	28	16	V	11.6	18	6.02	176
401430175	2011	5	28	17	V	10.1	4	5.89	184
401430175	2011	5	28	18	V	16.7	8	4.07	169
401430175	2011	5	28	19	V	14.2	3	3.68	167
401430175	2011	5	28	20	V	3.0	2	2.69	152
401430175	2011	5	28	21	V	2.7	1	3.15	144
401430175	2011	5	28	22	V	1.4	1	3	133
401430175	2011	5	28	23	V	1.1	1	2.98	148
401430175	2011	5	28	24	V	1.9	1	3.32	152
401430175	2011	5	29	1	V	2.0	1	3.42	153
401430175	2011	5	29	2	V	6.2	2	4.48	161
401430175	2011	5	29	3	V	9.8	4	4.58	166
401430175	2011	5	29	4	V	13.8	44	5.6	171
401430175	2011	5	29	5	V	13.8	43	5.53	175
401430175	2011	5	29	6	V	12.2	47	5.41	176
401430175	2011	5	29	7	V	11.5	23	6.92	177
401430175	2011	5	29	8	V	13.4	35	7.62	176
401430175	2011	5	29	9	V	8.7	25	7.98	179
401430175	2011	5	29	10	V	9.2	21	9.36	179
401430175	2011	5	29	11	V	7.6	13	9.02	182
401430175	2011	5	29	12	V	8.9	25	8.98	179
401430175	2011	5	29	13	V	8.7	18	9.03	180
401430175	2011	5	29	14	V	9.1	23	9.05	179
401430175	2011	5	29	15	V	9.3	28	9.42	176
401430175	2011	5	29	16	V	10.3	19	9.2	172
401430175	2011	5	29	17	V	12.3	34	9.07	174
401430175	2011	5	29	18	V	13.6	29	7.54	170
401430175	2011	5	29	19	V	12.2	3	6.65	167
401430175	2011	5	29	20	V	14.6	6	5.77	167
401430175	2011	5	29	21	V	12.0	2	5.16	165
401430175	2011	5	29	22	V	7.1	2	5	161
401430175	2011	5	29	23	V	7.9	1	5.29	162
401430175	2011	5	29	24	V	10.1	2	5.36	164
401430175	2011	5	30	1	V	10.9	3	4.73	166
401430175	2011	5	30	2	V	10.6	4	5.48	165
401430175	2011	5	30	3	V	17.4	38	7.25	172
401430175	2011	5	30	4	V	14.9	36	6.3	171
401430175	2011	5	30	5	V	13.4	32	5.56	168
401430175	2011	5	30	6	V	14.9	26	6.35	170
401430175	2011	5	30	7	V	12.6	30	7.48	174
401430175	2011	5	30	8	V	15.0	32	6.53	175
401430175	2011	5	30	9	V	9.9	34	7.5	176
401430175	2011	5	30	10	V	10.2	33	7.23	177
401430175	2011	5	30	11	V	7.7	11	9.12	182
401430175	2011	5	30	12	V	9.8	25	8.61	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	5	30	13	V	10.2	24	9.63	177
401430175	2011	5	30	14	V	10.4	25	9.17	177
401430175	2011	5	30	15	V	9.7	25	9.36	172
401430175	2011	5	30	16	V	10.3	34	8.86	174
401430175	2011	5	30	17	V	11.9	26	8.35	168
401430175	2011	5	30	18	V	10.9	7	7.3	164
401430175	2011	5	30	19	V	8.8	5	6.04	163
401430175	2011	5	30	20	V	14.1	6	4.63	169
401430175	2011	5	30	21	V	12.8	4	4.51	166
401430175	2011	5	30	22	V	7.2	1	5.02	161
401430175	2011	5	30	23	V	6.2	1	5.26	160
401430175	2011	5	30	24	V	13.3	4	4.8	170
401430175	2011	5	31	1	V	14.1	4	5.73	169
401430175	2011	5	31	2	V	14.0	42	5.73	174
401430175	2011	5	31	3	V	4.6	9	6.19	186
401430175	2011	5	31	4	V	4.1	3	6.18	187
401430175	2011	5	31	5	V	9.2	12	5.89	181
401430175	2011	5	31	6	V	9.8	10	1.99	230
401430175	2011	5	31	7	V	12.5	11	2.4	179
401430175	2011	5	31	8	V	12.1	19	3.92	183
401430175	2011	5	31	9	V	9.9	11	4.12	181
401430175	2011	5	31	10	V	12.9	10	5.72	200
401430175	2011	5	31	11	V	17.9	27	4.94	207
401430175	2011	5	31	12	V	14.3	16	3.85	219
401430175	2011	5	31	13	V	13.7	8	3.51	217
401430175	2011	5	31	14	V	11.7	8	2.89	220
401430175	2011	5	31	15	V	6.5	5	1.91	233
401430175	2011	5	31	16	V	7.9	3	2.2	180
401430175	2011	5	31	17	V	10.1	7	1.91	191
401430175	2011	5	31	18	V	14.8	3	3.34	180
401430175	2011	5	31	19	V	14.1	6	2.98	169
401430175	2011	5	31	20	V	3.1	2	2.52	155
401430175	2011	5	31	21	V	37.5	0	1.01	173
401430175	2011	5	31	22	V	6.6	0	0.52	10
401430175	2011	5	31	23	V	24.3	0	0.57	191
401430175	2011	5	31	24	V	11.9	0	0.58	248
401430175	2011	6	1	1	V	8.1	1	0.65	278
401430175	2011	6	1	2	V	7.5	0	0.55	346
401430175	2011	6	1	3	V	9.8	0	0.53	299
401430175	2011	6	1	4	C	-999	0	0	0
401430175	2011	6	1	5	V	1.5	0	0.96	62
401430175	2011	6	1	6	V	8.5	0	1.57	88
401430175	2011	6	1	7	V	1.7	0	1.89	129
401430175	2011	6	1	8	V	2.6	0	2.35	140
401430175	2011	6	1	9	V	8.6	2	3.63	165
401430175	2011	6	1	10	V	8.6	11	4.56	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	1	11	V	9.0	11	4.34	175
401430175	2011	6	1	12	V	9.3	9	4.65	172
401430175	2011	6	1	13	V	9.3	8	4.78	171
401430175	2011	6	1	14	V	11.1	14	5.6	178
401430175	2011	6	1	15	V	9.5	14	5.09	172
401430175	2011	6	1	16	V	8.9	6	4.65	165
401430175	2011	6	1	17	V	8.5	7	4.68	162
401430175	2011	6	1	18	V	11.0	4	4.93	157
401430175	2011	6	1	19	V	10.3	1	4.41	163
401430175	2011	6	1	20	V	2.1	0	4	147
401430175	2011	6	1	21	V	1.5	0	3.76	144
401430175	2011	6	1	22	V	2.3	0	2.83	157
401430175	2011	6	1	23	V	8.4	0	3.01	164
401430175	2011	6	1	24	V	15.2	2	2.93	174
401430175	2011	6	2	1	V	15.8	5	3.01	177
401430175	2011	6	2	2	V	21.8	22	1.93	172
401430175	2011	6	2	3	V	8.5	11	0.57	260
401430175	2011	6	2	4	V	1.2	1	1.16	137
401430175	2011	6	2	5	V	13.6	10	3.18	173
401430175	2011	6	2	6	V	22.7	27	2.45	170
401430175	2011	6	2	7	V	11.3	9	3.22	173
401430175	2011	6	2	8	V	10.7	9	3.63	197
401430175	2011	6	2	9	V	9.2	9	4.31	189
401430175	2011	6	2	10	V	9.9	5	4.78	193
401430175	2011	6	2	11	V	10.9	16	4.87	192
401430175	2011	6	2	12	V	11.1	-999	5.31	190
401430175	2011	6	2	13	V	10.4	9	6.01	179
401430175	2011	6	2	14	V	10.2	14	7.33	189
401430175	2011	6	2	15	V	9.7	13	6.62	184
401430175	2011	6	2	16	V	10.9	21	6.77	178
401430175	2011	6	2	17	V	11.3	16	6.46	176
401430175	2011	6	2	18	V	16.1	37	4.88	173
401430175	2011	6	2	19	V	12.6	42	3.47	166
401430175	2011	6	2	20	V	9.7	1	3.34	164
401430175	2011	6	2	21	V	8.2	1	3.47	163
401430175	2011	6	2	22	V	9.8	1	3.4	165
401430175	2011	6	2	23	V	6.5	6	3.1	182
401430175	2011	6	2	24	V	2.8	6	2.54	187
401430175	2011	6	3	1	V	23.2	16	0.91	201
401430175	2011	6	3	2	V	20.7	29	1.06	205
401430175	2011	6	3	3	V	11.4	35	1.42	204
401430175	2011	6	3	4	V	3.8	32	1.4	193
401430175	2011	6	3	5	V	2.3	49	2.39	184
401430175	2011	6	3	6	V	15.3	32	3.68	181
401430175	2011	6	3	7	V	7.6	35	5.5	182
401430175	2011	6	3	8	V	8.0	16	5.84	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	3	9	V	10.0	31	5.26	179
401430175	2011	6	3	10	V	9.2	26	5.51	177
401430175	2011	6	3	11	V	9.6	22	6.12	178
401430175	2011	6	3	12	V	9.5	8	6.97	184
401430175	2011	6	3	13	V	11.1	17	6.65	193
401430175	2011	6	3	14	V	13.1	7	5.9	195
401430175	2011	6	3	15	V	10.1	13	6.99	189
401430175	2011	6	3	16	V	10.6	12	6.99	189
401430175	2011	6	3	17	V	10.7	11	6.36	187
401430175	2011	6	3	18	V	15.2	10	5.36	182
401430175	2011	6	3	19	V	12.3	32	3.8	180
401430175	2011	6	3	20	V	2.7	39	2.54	187
401430175	2011	6	3	21	V	2.4	11	1.93	187
401430175	2011	6	3	22	V	1.1	2	1.6	149
401430175	2011	6	3	23	V	14.1	1	1.25	181
401430175	2011	6	3	24	V	46.3	5	0.96	222
401430175	2011	6	4	1	V	11.2	7	2.33	180
401430175	2011	6	4	2	V	30.4	32	1.23	176
401430175	2011	6	4	3	V	10.6	14	0.52	339
401430175	2011	6	4	4	V	3.1	15	0.65	268
401430175	2011	6	4	5	V	47.8	28	0.63	222
401430175	2011	6	4	6	V	20.5	21	1.28	233
401430175	2011	6	4	7	V	9.5	21	2.84	193
401430175	2011	6	4	8	V	11.7	23	4	200
401430175	2011	6	4	9	V	17.7	9	3.54	221
401430175	2011	6	4	10	V	12.5	16	3.1	224
401430175	2011	6	4	11	V	13.7	7	3.75	218
401430175	2011	6	4	12	V	14.4	9	4.1	214
401430175	2011	6	4	13	V	15.5	12	5.21	204
401430175	2011	6	4	14	V	17.1	11	5.36	207
401430175	2011	6	4	15	V	15.0	11	4.54	212
401430175	2011	6	4	16	V	13.3	12	5	194
401430175	2011	6	4	17	V	14.2	10	4.19	195
401430175	2011	6	4	18	V	14.9	2	4.34	170
401430175	2011	6	4	19	V	13.6	29	3.56	173
401430175	2011	6	4	20	V	4.2	14	1.47	194
401430175	2011	6	4	21	C	-999	1	0	0
401430175	2011	6	4	22	V	5.5	3	0.8	245
401430175	2011	6	4	23	V	10.4	8	0.84	240
401430175	2011	6	4	24	V	6.0	20	0.67	252
401430175	2011	6	5	1	V	11.0	8	0.57	256
401430175	2011	6	5	2	V	4.1	3	0.75	290
401430175	2011	6	5	3	V	12.1	4	0.58	250
401430175	2011	6	5	4	V	4.2	1	0.62	258
401430175	2011	6	5	5	V	3.2	6	0.63	306
401430175	2011	6	5	6	C	-999	2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	5	7	V	12.6	5	0.62	247
401430175	2011	6	5	8	V	11.6	22	2.37	192
401430175	2011	6	5	9	V	13.2	34	3.49	199
401430175	2011	6	5	10	V	13.1	26	3.46	220
401430175	2011	6	5	11	V	11.4	20	2.96	219
401430175	2011	6	5	12	V	13.8	23	3.75	213
401430175	2011	6	5	13	V	14.7	11	4.31	217
401430175	2011	6	5	14	V	14.3	16	3.76	218
401430175	2011	6	5	15	V	9.7	24	3	234
401430175	2011	6	5	16	V	13.6	16	3.13	214
401430175	2011	6	5	17	V	11.8	11	2.62	227
401430175	2011	6	5	18	V	19.1	10	3.01	196
401430175	2011	6	5	19	V	13.3	12	3.24	174
401430175	2011	6	5	20	V	15.9	21	2.71	171
401430175	2011	6	5	21	V	9.8	4	2.33	178
401430175	2011	6	5	22	V	7.5	2	1.14	192
401430175	2011	6	5	23	V	36.2	15	1.03	217
401430175	2011	6	5	24	V	2.8	38	2.37	196
401430175	2011	6	6	1	V	5.9	24	2.47	194
401430175	2011	6	6	2	V	13.5	22	1.23	203
401430175	2011	6	6	3	V	51.6	25	0.62	219
401430175	2011	6	6	4	V	10.4	38	1.01	193
401430175	2011	6	6	5	C	-999	17	0	0
401430175	2011	6	6	6	V	33.6	15	0.86	205
401430175	2011	6	6	7	V	12.6	12	1.64	186
401430175	2011	6	6	8	V	9.5	26	2.86	186
401430175	2011	6	6	9	V	10.3	29	3.23	187
401430175	2011	6	6	10	V	12.9	25	3.06	202
401430175	2011	6	6	11	V	9.8	11	3.93	185
401430175	2011	6	6	12	V	11.7	12	4.61	190
401430175	2011	6	6	13	V	9.8	11	4.24	178
401430175	2011	6	6	14	V	9.5	10	4.34	173
401430175	2011	6	6	15	V	8.6	10	4.54	172
401430175	2011	6	6	16	V	9.5	16	5.24	169
401430175	2011	6	6	17	V	8.4	8	5.14	162
401430175	2011	6	6	18	V	10.2	4	5.16	155
401430175	2011	6	6	19	V	9.6	2	4.27	162
401430175	2011	6	6	20	V	9.5	1	3.46	164
401430175	2011	6	6	21	V	13.0	1	3.27	168
401430175	2011	6	6	22	V	15.5	1	2.47	170
401430175	2011	6	6	23	V	18.2	3	1.57	177
401430175	2011	6	6	24	V	37.7	9	0.97	169
401430175	2011	6	7	1	V	31.2	4	1.43	169
401430175	2011	6	7	2	C	-999	12	0	0
401430175	2011	6	7	3	C	-999	12	0	0
401430175	2011	6	7	4	V	48.2	6	0.55	221

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	7	5	V	3.2	1	1.38	188
401430175	2011	6	7	6	V	11.2	1	1.31	189
401430175	2011	6	7	7	V	21.7	8	1.45	206
401430175	2011	6	7	8	V	8.9	35	3.63	182
401430175	2011	6	7	9	V	10.7	32	5.67	176
401430175	2011	6	7	10	V	9.4	22	6.41	174
401430175	2011	6	7	11	V	8.5	7	6.57	184
401430175	2011	6	7	12	V	9.6	14	6.36	181
401430175	2011	6	7	13	V	10.0	13	6.46	182
401430175	2011	6	7	14	V	10.8	25	6.43	174
401430175	2011	6	7	15	V	9.7	13	6.91	171
401430175	2011	6	7	16	V	10.8	11	6.55	176
401430175	2011	6	7	17	V	10.9	24	6.86	173
401430175	2011	6	7	18	V	15.5	31	5.95	171
401430175	2011	6	7	19	V	11.5	29	4.51	165
401430175	2011	6	7	20	V	11.1	9	3.63	167
401430175	2011	6	7	21	V	11.1	33	3.7	168
401430175	2011	6	7	22	V	11.2	18	4.25	167
401430175	2011	6	7	23	V	11.3	5	4.46	167
401430175	2011	6	7	24	V	13.4	14	3.95	172
401430175	2011	6	8	1	V	16.2	18	3.76	171
401430175	2011	6	8	2	V	15.7	13	3.1	170
401430175	2011	6	8	3	V	6.7	4	2.05	160
401430175	2011	6	8	4	V	19.4	14	1.82	169
401430175	2011	6	8	5	V	3.3	5	1.55	159
401430175	2011	6	8	6	V	10.4	11	2.16	160
401430175	2011	6	8	7	V	10.6	24	2.5	166
401430175	2011	6	8	8	V	10.6	25	3.93	180
401430175	2011	6	8	9	V	9.5	15	4.93	180
401430175	2011	6	8	10	V	7.9	11	6.12	183
401430175	2011	6	8	11	V	9.5	20	6.04	177
401430175	2011	6	8	12	V	9.4	-999	6.74	182
401430175	2011	6	8	13	V	9.5	36	7.37	181
401430175	2011	6	8	14	V	11.0	20	7.2	175
401430175	2011	6	8	15	V	10.2	27	7.31	173
401430175	2011	6	8	16	V	10.8	13	7.77	170
401430175	2011	6	8	17	V	11.2	24	7.79	172
401430175	2011	6	8	18	V	16.0	39	7.03	171
401430175	2011	6	8	19	V	14.3	40	6.4	172
401430175	2011	6	8	20	V	14.8	50	4.97	171
401430175	2011	6	8	21	V	10.4	42	4	166
401430175	2011	6	8	22	V	9.6	4	4.22	165
401430175	2011	6	8	23	V	12.1	4	4.31	169
401430175	2011	6	8	24	V	13.4	9	4.53	168
401430175	2011	6	9	1	V	10.5	2	3.44	161
401430175	2011	6	9	2	V	3.5	2	3.23	154

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	9	3	V	4.9	14	2.54	187
401430175	2011	6	9	4	V	14.3	9	2.95	171
401430175	2011	6	9	5	V	14.5	2	2.4	169
401430175	2011	6	9	6	V	25.9	13	2.1	171
401430175	2011	6	9	7	V	11.3	37	2.78	172
401430175	2011	6	9	8	V	12.7	37	4.68	172
401430175	2011	6	9	9	V	8.7	19	6.19	181
401430175	2011	6	9	10	V	7.0	12	6.96	187
401430175	2011	6	9	11	V	7.8	6	7.48	186
401430175	2011	6	9	12	V	8.3	18	7.93	186
401430175	2011	6	9	13	V	10.3	12	7.72	172
401430175	2011	6	9	14	V	10.9	16	7.84	176
401430175	2011	6	9	15	V	10.2	16	7.42	174
401430175	2011	6	9	16	V	10.6	18	7.91	169
401430175	2011	6	9	17	V	10.8	24	7.89	169
401430175	2011	6	9	18	V	15.7	26	7.55	170
401430175	2011	6	9	19	V	13.3	37	5.85	168
401430175	2011	6	9	20	V	9.4	15	3.86	165
401430175	2011	6	9	21	V	12.3	6	3.13	167
401430175	2011	6	9	22	V	1.5	10	2.32	188
401430175	2011	6	9	23	V	14.5	10	2.5	174
401430175	2011	6	9	24	V	10.0	12	1.94	164
401430175	2011	6	10	1	V	5.6	1	2.59	67
401430175	2011	6	10	2	V	2.7	1	3.49	133
401430175	2011	6	10	3	V	6.1	13	3.03	199
401430175	2011	6	10	4	V	1.0	3	1.86	246
401430175	2011	6	10	5	V	9.6	2	1.16	197
401430175	2011	6	10	6	V	10.3	20	1.74	197
401430175	2011	6	10	7	V	14.6	23	1.99	198
401430175	2011	6	10	8	V	14.8	21	5.96	205
401430175	2011	6	10	9	V	9.8	25	7.96	198
401430175	2011	6	10	10	C	-999	4	0	0
401430175	2011	6	10	11	C	-999	16	0	0
401430175	2011	6	10	12	V	13.2	15	4.86	200
401430175	2011	6	10	13	V	9.5	12	4.86	172
401430175	2011	6	10	14	V	10.8	17	7.96	177
401430175	2011	6	10	15	V	10.7	25	5.96	191
401430175	2011	6	10	16	V	10.2	20	5.36	169
401430175	2011	6	10	17	V	11.2	14	4.86	181
401430175	2011	6	10	18	V	16.0	17	4.36	179
401430175	2011	6	10	19	V	14.1	10	4.36	176
401430175	2011	6	10	20	V	14.2	12	4.86	175
401430175	2011	6	10	21	V	3.9	19	4.86	197
401430175	2011	6	10	22	V	2.7	11	3.86	190
401430175	2011	6	10	23	V	0.8	2	1.76	352
401430175	2011	6	10	24	V	2.3	1	1.76	260

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	11	1	C	-999	1	0	0
401430175	2011	6	11	2	V	6.0	1	2.36	242
401430175	2011	6	11	3	V	4.4	0	1.76	1
401430175	2011	6	11	4	V	0.8	0	2.86	76
401430175	2011	6	11	5	C	-999	0	0	0
401430175	2011	6	11	6	V	8.5	0	3.86	11
401430175	2011	6	11	7	V	1.0	0	4.36	6
401430175	2011	6	11	8	V	1.9	0	2.36	1
401430175	2011	6	11	9	M	-999	0	2.36	999
401430175	2011	6	11	10	V	1.7	1	2.86	8
401430175	2011	6	11	11	M	-999	2	2.86	999
401430175	2011	6	11	12	V	4.8	3	1.76	43
401430175	2011	6	11	13	V	3.5	4	2.86	349
401430175	2011	6	11	14	V	4.6	6	2.36	2
401430175	2011	6	11	15	M	-999	3	1.76	999
401430175	2011	6	11	16	M	-999	1	1.76	999
401430175	2011	6	11	17	V	6.4	1	1.76	252
401430175	2011	6	11	18	C	-999	1	0	0
401430175	2011	6	11	19	V	1.9	1	2.86	71
401430175	2011	6	11	20	V	3.6	0	6.46	49
401430175	2011	6	11	21	V	1.4	0	3.36	118
401430175	2011	6	11	22	V	1.0	1	3.36	140
401430175	2011	6	11	23	V	17.5	0	1.76	175
401430175	2011	6	11	24	V	2.3	0	4.36	120
401430175	2011	6	12	1	V	5.6	0	2.36	142
401430175	2011	6	12	2	V	3.0	2	4.86	298
401430175	2011	6	12	3	V	4.6	0	3.86	348
401430175	2011	6	12	4	V	2.0	0	2.36	206
401430175	2011	6	12	5	V	0.9	10	4.36	282
401430175	2011	6	12	6	V	11.4	13	2.86	244
401430175	2011	6	12	7	V	10.5	13	3.36	178
401430175	2011	6	12	8	V	1.8	7	2.86	20
401430175	2011	6	12	9	V	2.2	0	2.36	100
401430175	2011	6	12	10	V	4.7	0	3.36	154
401430175	2011	6	12	11	V	5.0	0	1.76	161
401430175	2011	6	12	12	V	5.1	3	3.86	150
401430175	2011	6	12	13	M	-999	0	3.36	999
401430175	2011	6	12	14	V	4.1	0	4.36	135
401430175	2011	6	12	15	V	9.9	0	6.46	181
401430175	2011	6	12	16	V	8.4	22	6.96	162
401430175	2011	6	12	17	V	4.1	28	5.96	149
401430175	2011	6	12	18	V	9.3	5	5.36	154
401430175	2011	6	12	19	V	2.2	1	3.86	144
401430175	2011	6	12	20	V	1.9	1	3.44	139
401430175	2011	6	12	21	V	1.4	0	3.22	139
401430175	2011	6	12	22	V	1.0	1	3.51	132

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	12	23	V	0.8	1	3.46	134
401430175	2011	6	12	24	V	2.3	1	3.52	144
401430175	2011	6	13	1	V	7.5	1	3.98	156
401430175	2011	6	13	2	V	4.4	1	3.81	156
401430175	2011	6	13	3	V	10.6	1	2.89	163
401430175	2011	6	13	4	V	11.4	1	3.56	168
401430175	2011	6	13	5	V	10.9	2	3.88	169
401430175	2011	6	13	6	V	17.6	3	3.97	166
401430175	2011	6	13	7	V	10.1	3	3.88	168
401430175	2011	6	13	8	V	12.7	32	4.36	174
401430175	2011	6	13	9	V	9.6	17	6.11	179
401430175	2011	6	13	10	V	7.8	9	6.24	183
401430175	2011	6	13	11	V	8.1	19	6.86	187
401430175	2011	6	13	12	V	9.6	28	6.99	193
401430175	2011	6	13	13	V	9.2	19	8.23	193
401430175	2011	6	13	14	V	10.9	27	8.22	196
401430175	2011	6	13	15	V	8.6	32	7.81	188
401430175	2011	6	13	16	V	9.3	20	7.57	186
401430175	2011	6	13	17	V	11.0	7	6.57	178
401430175	2011	6	13	18	V	16.1	31	6.01	172
401430175	2011	6	13	19	V	12.5	55	4.49	166
401430175	2011	6	13	20	V	4.7	12	4.31	157
401430175	2011	6	13	21	V	7.8	2	5.19	161
401430175	2011	6	13	22	V	8.4	5	5.31	162
401430175	2011	6	13	23	V	9.8	8	4.44	165
401430175	2011	6	13	24	V	13.3	39	4.83	167
401430175	2011	6	14	1	V	15.5	27	4.53	166
401430175	2011	6	14	2	V	14.1	49	3.51	169
401430175	2011	6	14	3	V	15.3	19	4.2	175
401430175	2011	6	14	4	V	6.4	24	3	182
401430175	2011	6	14	5	V	16.5	13	1.08	163
401430175	2011	6	14	6	V	15.0	12	3.42	181
401430175	2011	6	14	7	V	7.4	11	5.05	192
401430175	2011	6	14	8	V	11.0	15	5.5	198
401430175	2011	6	14	9	V	8.8	21	5.77	193
401430175	2011	6	14	10	V	8.3	10	5.28	183
401430175	2011	6	14	11	V	9.7	20	4.1	186
401430175	2011	6	14	12	V	13.8	14	6.41	203
401430175	2011	6	14	13	V	11.4	18	6.18	196
401430175	2011	6	14	14	V	11.3	9	6.21	189
401430175	2011	6	14	15	V	10.1	27	5.58	180
401430175	2011	6	14	16	V	8.5	20	3.18	168
401430175	2011	6	14	17	V	7.4	21	3.66	158
401430175	2011	6	14	18	V	12.6	13	3.27	162
401430175	2011	6	14	19	V	6.2	3	3.68	156
401430175	2011	6	14	20	V	11.2	36	3.76	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	14	21	V	2.7	5	3.71	198
401430175	2011	6	14	22	V	33.3	19	4.7	215
401430175	2011	6	14	23	V	8.2	11	1.5	227
401430175	2011	6	14	24	V	2.5	3	1.11	323
401430175	2011	6	15	1	V	6.4	1	0.79	256
401430175	2011	6	15	2	V	9.5	1	1.45	211
401430175	2011	6	15	3	V	4.7	1	1.13	271
401430175	2011	6	15	4	V	1.1	1	1.08	326
401430175	2011	6	15	5	V	1.9	1	0.89	250
401430175	2011	6	15	6	V	35.7	1	0.69	234
401430175	2011	6	15	7	V	15.0	2	0.91	236
401430175	2011	6	15	8	V	3.7	1	1.48	15
401430175	2011	6	15	9	V	3.6	1	1.43	352
401430175	2011	6	15	10	V	1.9	0	2.61	360
401430175	2011	6	15	11	V	2.5	1	3.25	18
401430175	2011	6	15	12	V	3.3	1	3.41	26
401430175	2011	6	15	13	V	4.9	1	2.35	45
401430175	2011	6	15	14	V	5.8	0	1.81	53
401430175	2011	6	15	15	V	5.0	0	2.1	77
401430175	2011	6	15	16	V	4.6	1	3.03	130
401430175	2011	6	15	17	V	3.5	4	3.08	116
401430175	2011	6	15	18	V	8.8	2	3	142
401430175	2011	6	15	19	V	2.0	0	3.18	116
401430175	2011	6	15	20	V	1.9	0	2.54	118
401430175	2011	6	15	21	V	3.9	1	0.53	93
401430175	2011	6	15	22	C	-999	2	0	0
401430175	2011	6	15	23	V	6.4	1	0.63	250
401430175	2011	6	15	24	V	3.5	0	0.79	258
401430175	2011	6	16	1	V	16.8	0	0.53	249
401430175	2011	6	16	2	V	16.9	1	0.8	238
401430175	2011	6	16	3	V	13.5	1	1.52	163
401430175	2011	6	16	4	V	5.5	4	2.36	210
401430175	2011	6	16	5	C	-999	9	0	0
401430175	2011	6	16	6	C	-999	20	0	0
401430175	2011	6	16	7	V	1.3	23	2.86	139
401430175	2011	6	16	8	V	1.5	8	4.36	107
401430175	2011	6	16	9	V	5.6	2	2.86	155
401430175	2011	6	16	10	V	9.0	2	5.96	169
401430175	2011	6	16	11	M	-999	4	999	999
401430175	2011	6	16	12	M	-999	-999	999	999
401430175	2011	6	16	13	V	6.4	1	4.78	155
401430175	2011	6	16	14	V	3.6	1	4.92	109
401430175	2011	6	16	15	V	2.2	0	8.71	28
401430175	2011	6	16	16	V	2.7	1	7.48	81
401430175	2011	6	16	17	V	2.4	1	7.52	85
401430175	2011	6	16	18	V	6.0	2	8.15	125

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	16	19	V	2.1	0	6.55	149
401430175	2011	6	16	20	V	3.4	3	4.41	154
401430175	2011	6	16	21	V	10.9	3	3.74	168
401430175	2011	6	16	22	V	1.8	1	2.69	158
401430175	2011	6	16	23	V	0.9	1	3.39	148
401430175	2011	6	16	24	V	6.2	1	2.84	161
401430175	2011	6	17	1	V	5.8	15	3.15	149
401430175	2011	6	17	2	V	2.8	5	3.37	19
401430175	2011	6	17	3	V	4.4	1	4.42	30
401430175	2011	6	17	4	V	0.8	2	3.56	103
401430175	2011	6	17	5	V	0.7	2	4.46	124
401430175	2011	6	17	6	V	8.7	2	4.58	147
401430175	2011	6	17	7	V	12.0	5	5.6	167
401430175	2011	6	17	8	V	11.8	30	6.58	172
401430175	2011	6	17	9	V	7.3	21	8.28	183
401430175	2011	6	17	10	V	6.8	13	7.67	187
401430175	2011	6	17	11	V	8.8	22	5.48	183
401430175	2011	6	17	12	V	9.4	18	6.28	180
401430175	2011	6	17	13	V	10.2	16	6.58	174
401430175	2011	6	17	14	V	10.7	16	7.11	178
401430175	2011	6	17	15	V	9.7	26	7.42	178
401430175	2011	6	17	16	V	9.7	19	7.08	181
401430175	2011	6	17	17	V	10.6	22	7.23	178
401430175	2011	6	17	18	V	15.8	33	5.9	169
401430175	2011	6	17	19	V	7.0	9	4.54	159
401430175	2011	6	17	20	V	6.4	1	4.02	160
401430175	2011	6	17	21	V	6.8	2	3.71	162
401430175	2011	6	17	22	V	7.9	9	3.39	163
401430175	2011	6	17	23	V	0.8	1	2.49	152
401430175	2011	6	17	24	V	4.7	1	2.73	160
401430175	2011	6	18	1	V	16.1	1	2.16	166
401430175	2011	6	18	2	V	16.2	24	2.98	173
401430175	2011	6	18	3	V	16.8	68	2.78	175
401430175	2011	6	18	4	V	5.5	66	4.37	185
401430175	2011	6	18	5	V	6.7	34	5.85	187
401430175	2011	6	18	6	V	9.6	13	3.85	194
401430175	2011	6	18	7	V	14.8	21	2.76	203
401430175	2011	6	18	8	V	9.0	17	4.37	185
401430175	2011	6	18	9	V	8.2	13	5.6	189
401430175	2011	6	18	10	V	10.0	18	6.21	198
401430175	2011	6	18	11	V	12.1	20	4.99	200
401430175	2011	6	18	12	V	12.0	16	4.43	197
401430175	2011	6	18	13	V	10.1	11	4.78	182
401430175	2011	6	18	14	V	12.1	10	5.21	192
401430175	2011	6	18	15	V	11.5	16	4.92	178
401430175	2011	6	18	16	V	9.8	9	5.58	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	18	17	V	8.3	13	5.36	161
401430175	2011	6	18	18	V	15.6	5	5.87	169
401430175	2011	6	18	19	V	5.3	4	5.26	157
401430175	2011	6	18	20	V	4.9	1	3.86	158
401430175	2011	6	18	21	V	8.0	1	4.46	162
401430175	2011	6	18	22	V	6.0	1	2.54	163
401430175	2011	6	18	23	V	3.7	39	1.67	184
401430175	2011	6	18	24	V	3.5	5	0.77	268
401430175	2011	6	19	1	V	8.5	9	0.62	283
401430175	2011	6	19	2	V	3.3	3	0.92	314
401430175	2011	6	19	3	V	6.8	3	1.84	206
401430175	2011	6	19	4	V	20.2	3	0.57	241
401430175	2011	6	19	5	V	3.4	2	0.63	260
401430175	2011	6	19	6	V	10.2	1	1.14	154
401430175	2011	6	19	7	V	4.8	1	2.33	154
401430175	2011	6	19	8	V	6.4	2	3.47	158
401430175	2011	6	19	9	V	10.3	7	4.92	169
401430175	2011	6	19	10	V	8.4	31	4.36	168
401430175	2011	6	19	11	V	9.4	13	6.6	170
401430175	2011	6	19	12	V	10.1	28	7.09	172
401430175	2011	6	19	13	V	9.1	8	6.62	166
401430175	2011	6	19	14	V	11.0	12	7.3	174
401430175	2011	6	19	15	V	10.0	29	7.18	171
401430175	2011	6	19	16	V	11.0	26	7.64	174
401430175	2011	6	19	17	V	8.9	13	7.77	184
401430175	2011	6	19	18	V	15.3	18	5.92	179
401430175	2011	6	19	19	V	14.2	44	5.33	171
401430175	2011	6	19	20	V	16.0	23	5.43	171
401430175	2011	6	19	21	V	10.0	5	4.7	164
401430175	2011	6	19	22	V	16.0	30	6.09	171
401430175	2011	6	19	23	V	16.7	35	6.53	170
401430175	2011	6	19	24	V	17.0	24	6.01	171
401430175	2011	6	20	1	V	18.6	35	8.13	181
401430175	2011	6	20	2	V	14.9	11	8.11	182
401430175	2011	6	20	3	V	17.2	17	7.18	181
401430175	2011	6	20	4	V	11.2	15	7.94	185
401430175	2011	6	20	5	V	10.5	5	7.79	187
401430175	2011	6	20	6	V	20.6	11	8.15	182
401430175	2011	6	20	7	V	7.0	8	7.77	182
401430175	2011	6	20	8	V	6.3	5	8.23	186
401430175	2011	6	20	9	M	-999	9	9.08	188
401430175	2011	6	20	10	M	-999	16	9.1	187
401430175	2011	6	20	11	M	-999	10	9.09	193
401430175	2011	6	20	12	M	-999	12	9.44	189
401430175	2011	6	20	13	M	-999	14	9.12	189
401430175	2011	6	20	14	M	-999	24	8.95	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	20	15	M	-999	19	9	189
401430175	2011	6	20	16	M	-999	5	7.62	180
401430175	2011	6	20	17	M	-999	23	7.76	177
401430175	2011	6	20	18	M	-999	30	7.79	180
401430175	2011	6	20	19	M	-999	48	7.31	174
401430175	2011	6	20	20	V	20.1	46	7.6	173
401430175	2011	6	20	21	V	17.5	40	6.47	171
401430175	2011	6	20	22	V	3.5	20	4.31	203
401430175	2011	6	20	23	V	3.8	1	3.47	205
401430175	2011	6	20	24	V	19.9	1	1.45	220
401430175	2011	6	21	1	V	34.6	1	1.14	228
401430175	2011	6	21	2	V	6.8	1	1.54	237
401430175	2011	6	21	3	V	13.0	0	1.74	215
401430175	2011	6	21	4	V	33.0	0	1.23	224
401430175	2011	6	21	5	V	0.8	1	1.33	260
401430175	2011	6	21	6	V	8.6	1	2.54	255
401430175	2011	6	21	7	V	13.2	1	2.37	231
401430175	2011	6	21	8	V	13.2	0	2.95	232
401430175	2011	6	21	9	V	7.4	1	4.07	239
401430175	2011	6	21	10	V	10.5	1	4.54	232
401430175	2011	6	21	11	V	3.8	0	5.29	247
401430175	2011	6	21	12	V	5.0	0	4.83	248
401430175	2011	6	21	13	V	4.7	0	4.39	252
401430175	2011	6	21	14	V	3.9	0	3.71	268
401430175	2011	6	21	15	V	5.2	0	3.34	253
401430175	2011	6	21	16	V	3.9	0	3.08	267
401430175	2011	6	21	17	V	4.4	0	3.18	258
401430175	2011	6	21	18	V	12.5	1	2.56	244
401430175	2011	6	21	19	V	17.7	1	1.82	221
401430175	2011	6	21	20	V	18.9	0	0.82	235
401430175	2011	6	21	21	V	1.6	1	1.28	260
401430175	2011	6	21	22	C	-999	1	0	0
401430175	2011	6	21	23	V	2.2	0	0.74	301
401430175	2011	6	21	24	V	16.9	0	0.86	237
401430175	2011	6	22	1	V	11.5	0	0.75	245
401430175	2011	6	22	2	V	3.6	0	0.99	248
401430175	2011	6	22	3	V	6.0	1	0.74	340
401430175	2011	6	22	4	V	2.8	0	0.74	254
401430175	2011	6	22	5	V	4.1	1	0.6	291
401430175	2011	6	22	6	V	49.0	1	0.55	229
401430175	2011	6	22	7	V	19.0	1	1.09	204
401430175	2011	6	22	8	V	14.4	1	0.87	199
401430175	2011	6	22	9	V	6.6	1	0.69	233
401430175	2011	6	22	10	V	4.2	1	1.62	253
401430175	2011	6	22	11	V	5.1	1	1.98	255
401430175	2011	6	22	12	V	4.5	1	2.33	271

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	22	13	V	4.1	1	2.62	277
401430175	2011	6	22	14	V	6.2	1	2.78	259
401430175	2011	6	22	15	V	4.3	1	3.08	263
401430175	2011	6	22	16	V	5.0	0	2.54	267
401430175	2011	6	22	17	V	4.2	1	2.49	273
401430175	2011	6	22	18	V	12.4	1	2.33	245
401430175	2011	6	22	19	V	15.2	20	1.86	224
401430175	2011	6	22	20	V	22.2	10	1.26	217
401430175	2011	6	22	21	V	5.3	7	0.69	249
401430175	2011	6	22	22	V	22.6	4	0.72	236
401430175	2011	6	22	23	V	1.2	1	1.04	297
401430175	2011	6	22	24	V	2.9	1	0.94	276
401430175	2011	6	23	1	V	5.9	1	1.09	267
401430175	2011	6	23	2	V	4.8	1	0.67	263
401430175	2011	6	23	3	C	-999	0	0	0
401430175	2011	6	23	4	V	29.1	0	0.75	233
401430175	2011	6	23	5	V	3.7	0	0.62	262
401430175	2011	6	23	6	C	-999	1	0	0
401430175	2011	6	23	7	V	13.1	1	0.57	210
401430175	2011	6	23	8	V	17.1	2	1.21	199
401430175	2011	6	23	9	V	2.8	1	2.11	132
401430175	2011	6	23	10	V	5.9	3	1.42	167
401430175	2011	6	23	11	V	6.0	-999	1.44	228
401430175	2011	6	23	12	V	5.6	-999	1.57	228
401430175	2011	6	23	13	V	5.1	-999	1.59	202
401430175	2011	6	23	14	V	5.6	-999	1.6	223
401430175	2011	6	23	15	V	4.7	-999	1.54	340
401430175	2011	6	23	16	V	5.4	1	1.69	358
401430175	2011	6	23	17	V	3.5	1	3.29	43
401430175	2011	6	23	18	V	6.7	1	4.58	42
401430175	2011	6	23	19	V	2.3	1	4.73	44
401430175	2011	6	23	20	V	1.9	1	3.05	80
401430175	2011	6	23	21	V	1.4	1	2.49	94
401430175	2011	6	23	22	V	1.5	1	1.08	67
401430175	2011	6	23	23	V	0.7	1	2.47	109
401430175	2011	6	23	24	V	5.7	1	1.43	40
401430175	2011	6	24	1	V	5.7	0	2.52	360
401430175	2011	6	24	2	V	2.7	1	1.52	11
401430175	2011	6	24	3	V	4.6	1	1.33	32
401430175	2011	6	24	4	V	1.3	1	1.2	149
401430175	2011	6	24	5	C	-999	1	0	0
401430175	2011	6	24	6	V	13.4	1	0.63	251
401430175	2011	6	24	7	V	19.0	2	1.59	203
401430175	2011	6	24	8	V	10.6	17	3.56	181
401430175	2011	6	24	9	V	9.3	31	4.24	185
401430175	2011	6	24	10	V	8.7	23	4.58	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	24	11	V	8.9	20	5.09	185
401430175	2011	6	24	12	V	9.8	11	4.17	179
401430175	2011	6	24	13	V	10.2	9	5.21	180
401430175	2011	6	24	14	V	11.0	14	6.07	177
401430175	2011	6	24	15	V	10.2	9	6.24	178
401430175	2011	6	24	16	V	10.3	9	6.14	169
401430175	2011	6	24	17	V	11.2	14	6.35	176
401430175	2011	6	24	18	V	15.8	29	6.69	174
401430175	2011	6	24	19	V	13.3	24	4.25	177
401430175	2011	6	24	20	V	9.3	3	2.66	180
401430175	2011	6	24	21	V	9.6	21	3.95	180
401430175	2011	6	24	22	V	9.8	56	4.03	178
401430175	2011	6	24	23	V	11.4	37	3.81	170
401430175	2011	6	24	24	V	4.0	15	2.25	159
401430175	2011	6	25	1	V	12.2	2	3.08	163
401430175	2011	6	25	2	V	13.8	2	2.4	167
401430175	2011	6	25	3	V	5.2	1	2.74	157
401430175	2011	6	25	4	V	4.7	5	3.17	160
401430175	2011	6	25	5	V	13.6	27	5.05	173
401430175	2011	6	25	6	V	20.0	29	4.24	174
401430175	2011	6	25	7	V	10.5	31	5.31	174
401430175	2011	6	25	8	V	8.5	19	6.79	181
401430175	2011	6	25	9	V	6.9	5	7.96	185
401430175	2011	6	25	10	V	6.5	6	8.67	184
401430175	2011	6	25	11	V	7.6	7	8.08	184
401430175	2011	6	25	12	V	8.1	19	8.54	184
401430175	2011	6	25	13	V	8.5	18	7.99	185
401430175	2011	6	25	14	V	9.3	21	7.71	186
401430175	2011	6	25	15	V	9.2	19	7.18	181
401430175	2011	6	25	16	V	10.5	22	6.84	193
401430175	2011	6	25	17	V	10.5	29	7.59	196
401430175	2011	6	25	18	V	14.4	23	6.69	195
401430175	2011	6	25	19	V	9.3	8	5.7	183
401430175	2011	6	25	20	V	15.1	20	5.01	173
401430175	2011	6	25	21	V	12.3	31	4.53	167
401430175	2011	6	25	22	V	9.5	2	4.65	164
401430175	2011	6	25	23	V	9.6	3	4.27	165
401430175	2011	6	25	24	V	13.6	10	4.56	168
401430175	2011	6	26	1	V	16.5	38	3.93	170
401430175	2011	6	26	2	V	13.2	35	3.47	167
401430175	2011	6	26	3	V	16.4	15	2.81	168
401430175	2011	6	26	4	V	12.7	9	2.95	168
401430175	2011	6	26	5	V	12.1	16	3.34	168
401430175	2011	6	26	6	V	19.4	14	3.32	167
401430175	2011	6	26	7	V	10.7	24	4.97	172
401430175	2011	6	26	8	V	11.2	35	6.52	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	26	9	V	8.3	27	7.28	181
401430175	2011	6	26	10	V	7.2	29	7.83	183
401430175	2011	6	26	11	V	8.9	12	7.71	179
401430175	2011	6	26	12	V	10.1	19	7.32	175
401430175	2011	6	26	13	V	10.2	9	7.59	175
401430175	2011	6	26	14	V	10.9	10	8.33	175
401430175	2011	6	26	15	V	9.4	10	7.93	179
401430175	2011	6	26	16	V	9.2	18	7.74	182
401430175	2011	6	26	17	V	9.1	23	7.79	193
401430175	2011	6	26	18	V	11.8	20	7.5	189
401430175	2011	6	26	19	V	7.5	9	6.24	186
401430175	2011	6	26	20	V	13.1	5	4.63	176
401430175	2011	6	26	21	V	13.6	51	4.65	169
401430175	2011	6	26	22	V	15.7	37	6.09	170
401430175	2011	6	26	23	V	17.1	43	7.2	176
401430175	2011	6	26	24	V	15.3	10	7.57	181
401430175	2011	6	27	1	V	17.7	23	6.55	179
401430175	2011	6	27	2	V	11.3	4	6.67	187
401430175	2011	6	27	3	V	13.0	7	6.55	186
401430175	2011	6	27	4	V	10.5	16	6.99	191
401430175	2011	6	27	5	V	10.1	16	6.7	192
401430175	2011	6	27	6	V	16.3	46	6.06	193
401430175	2011	6	27	7	V	7.0	43	6.19	192
401430175	2011	6	27	8	V	14.0	44	6.4	204
401430175	2011	6	27	9	V	16.3	38	4.24	206
401430175	2011	6	27	10	V	8.5	15	5.21	190
401430175	2011	6	27	11	V	8.8	12	5.73	189
401430175	2011	6	27	12	V	9.8	19	6.02	192
401430175	2011	6	27	13	V	11.5	24	6.09	197
401430175	2011	6	27	14	V	14.2	14	5.55	201
401430175	2011	6	27	15	V	15.9	18	4.83	207
401430175	2011	6	27	16	V	4.9	1	3.37	253
401430175	2011	6	27	17	V	3.3	1	2.47	271
401430175	2011	6	27	18	V	6.9	1	2.1	301
401430175	2011	6	27	19	V	1.7	1	7.3	9
401430175	2011	6	27	20	V	2.3	2	6.82	12
401430175	2011	6	27	21	V	1.8	1	6.26	14
401430175	2011	6	27	22	V	1.1	0	3.85	8
401430175	2011	6	27	23	V	0.9	1	4.12	13
401430175	2011	6	27	24	V	2.5	1	4.73	18
401430175	2011	6	28	1	V	6.0	3	5.67	26
401430175	2011	6	28	2	V	2.9	4	4.87	28
401430175	2011	6	28	3	V	4.5	2	3.3	18
401430175	2011	6	28	4	V	0.9	1	2.74	10
401430175	2011	6	28	5	V	0.8	1	3.08	10
401430175	2011	6	28	6	V	8.5	0	3.03	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	28	7	V	1.0	1	4.36	21
401430175	2011	6	28	8	V	1.5	4	3.39	9
401430175	2011	6	28	9	V	1.7	2	2.64	290
401430175	2011	6	28	10	V	2.6	0	3.42	35
401430175	2011	6	28	11	V	1.8	1	5.79	17
401430175	2011	6	28	12	V	2.4	7	7.26	28
401430175	2011	6	28	13	V	2.9	2	3.9	17
401430175	2011	6	28	14	V	4.6	1	2.35	27
401430175	2011	6	28	15	V	3.6	1	2.2	71
401430175	2011	6	28	16	V	3.4	5	2.98	99
401430175	2011	6	28	17	V	2.9	0	3.29	96
401430175	2011	6	28	18	V	8.0	0	4	147
401430175	2011	6	28	19	V	1.8	1	4.03	123
401430175	2011	6	28	20	V	2.0	1	2.88	109
401430175	2011	6	28	21	V	1.6	3	1.28	105
401430175	2011	6	28	22	V	1.0	2	2.28	132
401430175	2011	6	28	23	V	13.2	8	2.44	168
401430175	2011	6	28	24	V	5.5	21	1.98	161
401430175	2011	6	29	1	V	12.3	2	2.2	164
401430175	2011	6	29	2	V	2.7	0	2.25	148
401430175	2011	6	29	3	V	18.2	1	1.93	167
401430175	2011	6	29	4	V	10.6	3	2.35	177
401430175	2011	6	29	5	V	2.1	1	3.13	156
401430175	2011	6	29	6	V	21.0	5	3.13	169
401430175	2011	6	29	7	V	10.6	2	3.73	169
401430175	2011	6	29	8	V	10.8	0	3.54	165
401430175	2011	6	29	9	V	9.7	5	3.85	167
401430175	2011	6	29	10	V	7.7	5	4.7	165
401430175	2011	6	29	11	V	9.4	3	5.39	173
401430175	2011	6	29	12	V	8.9	11	4.77	170
401430175	2011	6	29	13	V	8.7	11	4.66	168
401430175	2011	6	29	14	V	7.9	9	4.24	160
401430175	2011	6	29	15	V	4.3	1	3.93	142
401430175	2011	6	29	16	V	9.5	5	3.59	173
401430175	2011	6	29	17	V	12.5	13	4.34	189
401430175	2011	6	29	18	V	17.5	9	3.85	192
401430175	2011	6	29	19	V	13.6	24	3.81	173
401430175	2011	6	29	20	V	14.5	7	3.22	169
401430175	2011	6	29	21	V	8.5	1	2.76	164
401430175	2011	6	29	22	V	14.2	1	3.24	171
401430175	2011	6	29	23	V	12.2	22	2.42	176
401430175	2011	6	29	24	V	24.4	44	1.14	165
401430175	2011	6	30	1	V	8.0	22	0.69	96
401430175	2011	6	30	2	C	-999	14	0	0
401430175	2011	6	30	3	C	-999	22	0	0
401430175	2011	6	30	4	V	45.8	24	0.58	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	6	30	5	V	34.3	15	1.16	170
401430175	2011	6	30	6	V	27.6	2	1.94	171
401430175	2011	6	30	7	V	10.5	2	2.55	166
401430175	2011	6	30	8	V	12.3	6	3.76	168
401430175	2011	6	30	9	V	10.6	14	4.2	174
401430175	2011	6	30	10	V	9.1	15	4.97	192
401430175	2011	6	30	11	V	11.2	10	5.51	197
401430175	2011	6	30	12	V	10.9	12	6.06	192
401430175	2011	6	30	13	V	10.6	13	5.63	184
401430175	2011	6	30	14	V	11.3	15	5.31	183
401430175	2011	6	30	15	V	10.5	7	5.16	183
401430175	2011	6	30	16	V	12.2	10	4.87	189
401430175	2011	6	30	17	V	11.6	13	4.97	185
401430175	2011	6	30	18	V	15.5	18	6.24	177
401430175	2011	6	30	19	V	11.2	32	5.41	180
401430175	2011	6	30	20	V	2.1	33	2.35	196
401430175	2011	6	30	21	V	3.8	17	2.33	160
401430175	2011	6	30	22	V	12.8	6	3.13	168
401430175	2011	6	30	23	V	10.9	13	3.75	169
401430175	2011	6	30	24	V	13.3	37	3.54	175
401430175	2011	7	1	1	V	11.4	23	2.62	180
401430175	2011	7	1	2	V	2.9	17	2.01	155
401430175	2011	7	1	3	V	12.6	3	2.18	165
401430175	2011	7	1	4	V	9.4	20	1.48	181
401430175	2011	7	1	5	V	5.9	7	1.37	184
401430175	2011	7	1	6	V	8.8	13	1.4	153
401430175	2011	7	1	7	V	11.3	19	2.13	180
401430175	2011	7	1	8	V	8.7	23	3.44	183
401430175	2011	7	1	9	V	8.7	6	4.49	189
401430175	2011	7	1	10	V	8.8	8	4.61	189
401430175	2011	7	1	11	V	10.5	10	4.83	193
401430175	2011	7	1	12	V	15.0	10	4.61	206
401430175	2011	7	1	13	V	11.3	10	5.04	188
401430175	2011	7	1	14	V	10.6	9	5.07	179
401430175	2011	7	1	15	V	12.8	12	4.65	196
401430175	2011	7	1	16	V	12.5	14	4.07	191
401430175	2011	7	1	17	V	11.3	6	3.47	185
401430175	2011	7	1	18	V	11.1	8	4.02	157
401430175	2011	7	1	19	V	4.6	1	3.66	151
401430175	2011	7	1	20	V	1.9	1	2.69	142
401430175	2011	7	1	21	V	1.6	1	2.11	147
401430175	2011	7	1	22	V	1.4	5	2.13	191
401430175	2011	7	1	23	V	25.4	4	0.7	202
401430175	2011	7	1	24	C	-999	1	0	0
401430175	2011	7	2	1	V	36.6	3	0.8	178
401430175	2011	7	2	2	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	2	3	V	29.2	8	0.75	182
401430175	2011	7	2	4	V	46.6	2	0.65	222
401430175	2011	7	2	5	V	9.2	4	0.52	254
401430175	2011	7	2	6	V	10.5	6	0.67	291
401430175	2011	7	2	7	V	16.2	7	0.7	222
401430175	2011	7	2	8	V	19.0	8	1.14	210
401430175	2011	7	2	9	V	10.7	11	2.11	188
401430175	2011	7	2	10	V	11.6	6	2.96	224
401430175	2011	7	2	11	V	8.4	3	2.83	236
401430175	2011	7	2	12	V	9.0	1	2.69	232
401430175	2011	7	2	13	V	6.8	7	2.44	171
401430175	2011	7	2	14	V	7.4	3	2.61	169
401430175	2011	7	2	15	V	7.3	0	2.39	195
401430175	2011	7	2	16	V	5.5	4	2.66	143
401430175	2011	7	2	17	V	3.0	1	3.78	107
401430175	2011	7	2	18	V	6.3	1	4.41	104
401430175	2011	7	2	19	V	1.8	0	4.34	112
401430175	2011	7	2	20	V	1.9	0	2.59	113
401430175	2011	7	2	21	V	2.0	0	0.87	99
401430175	2011	7	2	22	V	2.5	1	0.77	31
401430175	2011	7	2	23	V	5.6	2	0.55	105
401430175	2011	7	2	24	C	-999	1	0	0
401430175	2011	7	3	1	V	31.8	1	0.52	164
401430175	2011	7	3	2	V	29.3	1	0.72	203
401430175	2011	7	3	3	V	12.2	4	1.37	204
401430175	2011	7	3	4	V	30.2	6	0.96	213
401430175	2011	7	3	5	C	-999	10	0	0
401430175	2011	7	3	6	V	33.6	4	0.58	237
401430175	2011	7	3	7	V	18.7	5	1.09	200
401430175	2011	7	3	8	V	10.7	7	2.4	190
401430175	2011	7	3	9	V	10.9	17	2.15	187
401430175	2011	7	3	10	V	7.8	14	2.08	200
401430175	2011	7	3	11	V	11.0	14	2.95	216
401430175	2011	7	3	12	V	11.9	18	3.17	212
401430175	2011	7	3	13	V	8.5	15	2.79	182
401430175	2011	7	3	14	V	10.5	8	4	181
401430175	2011	7	3	15	M	-999	11	3.85	168
401430175	2011	7	3	16	M	-999	5	3.86	180
401430175	2011	7	3	17	M	-999	5	3.58	168
401430175	2011	7	3	18	M	-999	6	3.22	168
401430175	2011	7	3	19	M	-999	3	2.71	143
401430175	2011	7	3	20	V	2.3	0	6.04	17
401430175	2011	7	3	21	V	1.8	0	5.82	26
401430175	2011	7	3	22	V	1.2	0	4.58	23
401430175	2011	7	3	23	V	2.3	0	4.94	39
401430175	2011	7	3	24	V	2.3	1	4.05	72

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	4	1	V	5.6	2	3.59	123
401430175	2011	7	4	2	V	2.7	0	3.86	94
401430175	2011	7	4	3	V	4.4	2	3.83	114
401430175	2011	7	4	4	V	0.8	3	2.93	141
401430175	2011	7	4	5	V	0.7	1	2.88	123
401430175	2011	7	4	6	V	8.4	0	3.44	127
401430175	2011	7	4	7	M	-999	0	2.62	144
401430175	2011	7	4	8	M	-999	0	2.03	152
401430175	2011	7	4	9	M	-999	1	2.88	139
401430175	2011	7	4	10	M	-999	1	3.23	151
401430175	2011	7	4	11	M	-999	1	3.83	164
401430175	2011	7	4	12	M	-999	1	3.88	153
401430175	2011	7	4	13	M	-999	2	3.93	157
401430175	2011	7	4	14	M	-999	1	4.83	133
401430175	2011	7	4	15	M	-999	1	4.36	140
401430175	2011	7	4	16	M	-999	1	3.64	146
401430175	2011	7	4	17	M	-999	1	3.29	124
401430175	2011	7	4	18	M	-999	0	3.95	112
401430175	2011	7	4	19	M	-999	0	4.07	123
401430175	2011	7	4	20	M	-999	1	3.01	158
401430175	2011	7	4	21	V	3.0	1	2.52	160
401430175	2011	7	4	22	V	14.6	22	2.62	173
401430175	2011	7	4	23	V	6.8	12	2.73	161
401430175	2011	7	4	24	V	21.1	5	1.89	172
401430175	2011	7	5	1	V	26.1	8	0.74	200
401430175	2011	7	5	2	V	29.7	20	1.33	175
401430175	2011	7	5	3	V	21.2	32	1.94	169
401430175	2011	7	5	4	V	11.0	18	1.08	197
401430175	2011	7	5	5	V	40.3	16	0.65	209
401430175	2011	7	5	6	V	39.7	22	1.21	174
401430175	2011	7	5	7	V	12.0	37	2.27	172
401430175	2011	7	5	8	V	8.7	17	2.9	167
401430175	2011	7	5	9	V	11.4	18	2.66	175
401430175	2011	7	5	10	V	13.2	12	2.73	215
401430175	2011	7	5	11	V	6.7	16	1.96	193
401430175	2011	7	5	12	V	5.9	5	1.99	203
401430175	2011	7	5	13	V	5.0	1	1.86	170
401430175	2011	7	5	14	V	5.3	1	2.81	129
401430175	2011	7	5	15	V	3.9	1	2.66	74
401430175	2011	7	5	16	V	4.7	1	2.28	23
401430175	2011	7	5	17	V	4.0	1	2.42	25
401430175	2011	7	5	18	V	7.2	0	2.57	92
401430175	2011	7	5	19	V	2.1	0	2.93	117
401430175	2011	7	5	20	V	2.0	0	1.59	80
401430175	2011	7	5	21	V	2.3	0	0.79	12
401430175	2011	7	5	22	V	2.4	1	0.74	305

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	5	23	V	9.4	1	0.77	242
401430175	2011	7	5	24	V	13.2	1	0.67	243
401430175	2011	7	6	1	V	36.4	1	0.97	214
401430175	2011	7	6	2	V	39.9	6	0.75	229
401430175	2011	7	6	3	V	7.1	2	0.62	326
401430175	2011	7	6	4	V	39.2	2	0.84	215
401430175	2011	7	6	5	V	35.9	11	0.92	215
401430175	2011	7	6	6	V	31.9	2	0.94	180
401430175	2011	7	6	7	V	4.2	1	0.92	113
401430175	2011	7	6	8	V	4.0	3	1.89	53
401430175	2011	7	6	9	V	2.6	3	2.1	28
401430175	2011	7	6	10	V	1.2	1	5.43	14
401430175	2011	7	6	11	V	2.9	2	6.36	42
401430175	2011	7	6	12	V	2.8	2	6.77	53
401430175	2011	7	6	13	V	3.0	1	5.26	63
401430175	2011	7	6	14	V	3.8	1	4.22	81
401430175	2011	7	6	15	V	3.0	1	3.64	68
401430175	2011	7	6	16	V	3.5	0	4.54	45
401430175	2011	7	6	17	V	3.0	1	3.68	96
401430175	2011	7	6	18	V	6.4	1	3.98	118
401430175	2011	7	6	19	V	1.8	1	4.12	87
401430175	2011	7	6	20	V	1.9	3	3.27	73
401430175	2011	7	6	21	V	1.4	4	2.91	84
401430175	2011	7	6	22	V	1.0	2	2.2	74
401430175	2011	7	6	23	V	0.8	1	2.88	61
401430175	2011	7	6	24	V	2.3	2	3.01	90
401430175	2011	7	7	1	V	5.6	2	2.67	106
401430175	2011	7	7	2	V	2.7	1	1.67	143
401430175	2011	7	7	3	V	14.9	1	1.16	161
401430175	2011	7	7	4	V	38.0	5	0.92	216
401430175	2011	7	7	5	V	37.5	9	0.52	231
401430175	2011	7	7	6	V	25.6	5	0.91	200
401430175	2011	7	7	7	V	12.2	7	2.05	174
401430175	2011	7	7	8	V	12.7	20	2.67	172
401430175	2011	7	7	9	V	10.0	26	3.59	191
401430175	2011	7	7	10	V	8.7	-999	3.35	181
401430175	2011	7	7	11	V	9.9	16	4.83	189
401430175	2011	7	7	12	V	14.9	13	4.87	216
401430175	2011	7	7	13	V	7.5	1	4.05	244
401430175	2011	7	7	14	V	4.6	1	2.76	276
401430175	2011	7	7	15	V	4.3	1	1.96	319
401430175	2011	7	7	16	V	4.2	2	2.44	315
401430175	2011	7	7	17	V	3.5	1	2.69	346
401430175	2011	7	7	18	V	7.8	1	1.98	348
401430175	2011	7	7	19	V	2.0	1	2.96	5
401430175	2011	7	7	20	V	2.1	1	4.27	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	7	21	V	1.7	1	4.85	21
401430175	2011	7	7	22	V	1.4	1	4.44	36
401430175	2011	7	7	23	V	0.8	1	3.71	57
401430175	2011	7	7	24	V	5.8	1	4.48	43
401430175	2011	7	8	1	V	7.1	0	3.56	49
401430175	2011	7	8	2	V	7.0	1	3.32	45
401430175	2011	7	8	3	V	4.4	1	2.11	28
401430175	2011	7	8	4	V	0.9	0	1.91	10
401430175	2011	7	8	5	V	0.7	0	1.91	357
401430175	2011	7	8	6	V	8.4	1	2.39	12
401430175	2011	7	8	7	V	1.1	1	3.08	20
401430175	2011	7	8	8	V	1.7	1	3.51	29
401430175	2011	7	8	9	V	1.7	3	3.81	21
401430175	2011	7	8	10	V	1.5	1	3.61	22
401430175	2011	7	8	11	V	2.3	1	3.75	29
401430175	2011	7	8	12	V	3.0	1	3.1	10
401430175	2011	7	8	13	V	3.1	1	3.46	16
401430175	2011	7	8	14	V	4.3	0	3.37	34
401430175	2011	7	8	15	V	3.1	0	2.86	11
401430175	2011	7	8	16	V	3.7	2	4.03	48
401430175	2011	7	8	17	V	3.3	3	3.74	37
401430175	2011	7	8	18	V	6.3	2	4.24	67
401430175	2011	7	8	19	V	1.8	1	4.29	72
401430175	2011	7	8	20	V	1.9	1	3.07	58
401430175	2011	7	8	21	V	1.5	4	3.64	60
401430175	2011	7	8	22	V	1.1	2	4.07	59
401430175	2011	7	8	23	V	0.8	2	3.03	71
401430175	2011	7	8	24	V	2.3	1	3.22	77
401430175	2011	7	9	1	V	5.6	1	3.4	90
401430175	2011	7	9	2	V	2.7	0	3.18	92
401430175	2011	7	9	3	V	4.4	0	2.93	102
401430175	2011	7	9	4	V	0.8	1	2.62	116
401430175	2011	7	9	5	V	0.7	1	2.08	101
401430175	2011	7	9	6	V	8.4	1	2.08	106
401430175	2011	7	9	7	V	1.1	1	3.37	126
401430175	2011	7	9	8	V	1.6	1	4.2	140
401430175	2011	7	9	9	V	1.8	1	4.05	142
401430175	2011	7	9	10	V	1.6	1	4.17	141
401430175	2011	7	9	11	V	2.4	1	4.42	142
401430175	2011	7	9	12	V	4.3	1	3.95	145
401430175	2011	7	9	13	V	8.2	1	5.02	165
401430175	2011	7	9	14	V	7.9	1	4.78	161
401430175	2011	7	9	15	V	7.5	1	4.92	164
401430175	2011	7	9	16	V	8.1	1	5.11	163
401430175	2011	7	9	17	V	8.4	1	4.15	166
401430175	2011	7	9	18	V	13.7	1	4.17	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	9	19	V	5.1	1	3.74	152
401430175	2011	7	9	20	V	3.5	1	3.93	155
401430175	2011	7	9	21	V	8.7	32	4.6	182
401430175	2011	7	9	22	V	6.0	4	4.7	185
401430175	2011	7	9	23	V	3.2	3	3.9	188
401430175	2011	7	9	24	V	4.6	4	3.83	188
401430175	2011	7	10	1	V	6.4	27	2.91	191
401430175	2011	7	10	2	V	3.1	22	2.27	189
401430175	2011	7	10	3	V	12.9	15	1.33	204
401430175	2011	7	10	4	V	2.0	22	1.82	195
401430175	2011	7	10	5	V	2.8	10	1.91	202
401430175	2011	7	10	6	V	11.8	7	1.67	203
401430175	2011	7	10	7	V	21.7	17	1.74	209
401430175	2011	7	10	8	V	12.1	32	3.76	198
401430175	2011	7	10	9	V	9.6	47	4.76	194
401430175	2011	7	10	10	V	14.6	38	4.29	206
401430175	2011	7	10	11	V	11.1	22	4.63	197
401430175	2011	7	10	12	V	11.5	9	5.27	195
401430175	2011	7	10	13	V	10.5	8	6.26	190
401430175	2011	7	10	14	V	10.4	8	7.08	181
401430175	2011	7	10	15	V	11.5	11	6.07	194
401430175	2011	7	10	16	V	15.9	15	5.41	204
401430175	2011	7	10	17	V	16.2	16	5.56	204
401430175	2011	7	10	18	V	19.2	20	4.53	200
401430175	2011	7	10	19	V	10.6	7	4.54	192
401430175	2011	7	10	20	V	5.7	2	2.72	184
401430175	2011	7	10	21	V	3.6	2	1.82	202
401430175	2011	7	10	22	V	4.0	26	1.76	210
401430175	2011	7	10	23	V	2.3	45	3.01	200
401430175	2011	7	10	24	V	3.4	31	3.73	198
401430175	2011	7	11	1	V	8.2	32	3.86	207
401430175	2011	7	11	2	V	13.7	65	2.73	218
401430175	2011	7	11	3	V	19.3	10	2.55	223
401430175	2011	7	11	4	V	17.3	11	1.81	223
401430175	2011	7	11	5	V	16.5	47	0.8	237
401430175	2011	7	11	6	V	42.0	10	0.77	211
401430175	2011	7	11	7	V	18.8	10	1.18	203
401430175	2011	7	11	8	V	19.4	3	2.23	214
401430175	2011	7	11	9	V	11.6	2	2.54	233
401430175	2011	7	11	10	V	11.6	3	3.58	228
401430175	2011	7	11	11	V	12.4	12	4.2	198
401430175	2011	7	11	12	V	10.6	12	4.34	185
401430175	2011	7	11	13	V	10.9	9	4.12	186
401430175	2011	7	11	14	V	10.2	7	4.92	175
401430175	2011	7	11	15	V	10.2	9	4.7	182
401430175	2011	7	11	16	V	11.0	4	4.61	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	11	17	V	10.8	9	4.88	167
401430175	2011	7	11	18	V	15.4	9	4.71	179
401430175	2011	7	11	19	V	16.3	6	2.72	201
401430175	2011	7	11	20	V	4.4	2	1.72	203
401430175	2011	7	11	21	V	6.9	7	1.33	197
401430175	2011	7	11	22	V	10.6	9	1.31	211
401430175	2011	7	11	23	V	2.6	2	1.96	201
401430175	2011	7	11	24	V	5.7	3	1.69	207
401430175	2011	7	12	1	V	31.8	18	1.26	218
401430175	2011	7	12	2	C	-999	55	0	0
401430175	2011	7	12	3	C	-999	53	0	0
401430175	2011	7	12	4	V	4.6	20	0.6	258
401430175	2011	7	12	5	C	-999	18	0	0
401430175	2011	7	12	6	C	-999	10	0	0
401430175	2011	7	12	7	V	13.9	3	1.06	177
401430175	2011	7	12	8	V	9.9	14	3.18	186
401430175	2011	7	12	9	V	9.9	12	4.1	191
401430175	2011	7	12	10	V	12.1	15	3.97	199
401430175	2011	7	12	11	V	14.3	18	4.75	219
401430175	2011	7	12	12	V	14.3	9	4.9	202
401430175	2011	7	12	13	V	13.8	12	3.93	202
401430175	2011	7	12	14	V	11.7	15	3.03	222
401430175	2011	7	12	15	V	4.6	25	2.18	270
401430175	2011	7	12	16	V	4.3	1	1.89	318
401430175	2011	7	12	17	V	5.0	5	1.3	264
401430175	2011	7	12	18	V	9.0	5	1.13	343
401430175	2011	7	12	19	V	14.4	7	1.52	218
401430175	2011	7	12	20	V	3.1	13	3.15	195
401430175	2011	7	12	21	V	4.5	7	2.64	162
401430175	2011	7	12	22	V	1.0	1	2.28	111
401430175	2011	7	12	23	V	4.9	1	2.01	162
401430175	2011	7	12	24	V	3.2	8	0.89	119
401430175	2011	7	13	1	V	5.7	1	1.59	1
401430175	2011	7	13	2	V	2.8	2	2.91	21
401430175	2011	7	13	3	V	4.6	0	4.41	26
401430175	2011	7	13	4	V	0.8	0	4.54	31
401430175	2011	7	13	5	V	0.9	0	4.78	29
401430175	2011	7	13	6	V	10.0	1	4.46	49
401430175	2011	7	13	7	V	1.0	1	4.54	74
401430175	2011	7	13	8	V	1.5	1	3.88	90
401430175	2011	7	13	9	V	1.6	0	4.12	114
401430175	2011	7	13	10	V	1.3	1	4.8	78
401430175	2011	7	13	11	V	1.9	-999	5.56	100
401430175	2011	7	13	12	V	2.6	4	5.9	104
401430175	2011	7	13	13	V	3.1	1	4.42	119
401430175	2011	7	13	14	V	3.9	1	3.29	108

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	13	15	V	4.4	1	2.22	102
401430175	2011	7	13	16	V	5.4	1	2.49	139
401430175	2011	7	13	17	V	3.5	1	3.56	130
401430175	2011	7	13	18	V	6.5	1	3.83	122
401430175	2011	7	13	19	V	1.9	1	3.61	126
401430175	2011	7	13	20	V	2.0	2	3.93	107
401430175	2011	7	13	21	V	1.5	2	3.83	122
401430175	2011	7	13	22	V	1.0	2	2.64	110
401430175	2011	7	13	23	V	0.7	0	2.54	93
401430175	2011	7	13	24	V	2.3	0	3.13	104
401430175	2011	7	14	1	V	5.6	1	2.98	110
401430175	2011	7	14	2	V	2.7	1	2.98	119
401430175	2011	7	14	3	V	4.4	1	2.4	127
401430175	2011	7	14	4	V	0.8	1	2.5	118
401430175	2011	7	14	5	V	0.7	0	2.61	137
401430175	2011	7	14	6	V	8.4	1	2.59	152
401430175	2011	7	14	7	V	1.4	0	3.56	146
401430175	2011	7	14	8	V	3.3	0	3.42	151
401430175	2011	7	14	9	V	9.9	0	3.56	169
401430175	2011	7	14	10	V	6.6	1	3.12	164
401430175	2011	7	14	11	V	5.4	1	2.52	158
401430175	2011	7	14	12	V	3.1	1	3.32	114
401430175	2011	7	14	13	V	3.7	1	2.78	113
401430175	2011	7	14	14	V	4.3	1	2.98	112
401430175	2011	7	14	15	V	3.0	1	3.63	111
401430175	2011	7	14	16	V	3.3	1	3.9	106
401430175	2011	7	14	17	V	2.8	1	4.19	109
401430175	2011	7	14	18	V	6.2	1	4.6	105
401430175	2011	7	14	19	V	1.8	2	3.97	110
401430175	2011	7	14	20	V	1.9	4	2.98	129
401430175	2011	7	14	21	V	1.5	4	1.77	132
401430175	2011	7	14	22	V	1.0	3	2.54	146
401430175	2011	7	14	23	V	0.9	1	3.12	147
401430175	2011	7	14	24	V	2.5	1	3.59	149
401430175	2011	7	15	1	V	5.9	1	3.73	150
401430175	2011	7	15	2	V	2.8	1	3.1	148
401430175	2011	7	15	3	V	4.4	1	2.57	143
401430175	2011	7	15	4	V	0.8	1	2.27	147
401430175	2011	7	15	5	V	0.7	1	2.35	141
401430175	2011	7	15	6	V	8.4	1	2.67	134
401430175	2011	7	15	7	V	1.4	1	3.15	145
401430175	2011	7	15	8	V	3.1	1	3.64	151
401430175	2011	7	15	9	V	9.5	1	3.76	166
401430175	2011	7	15	10	V	6.6	1	3.24	164
401430175	2011	7	15	11	V	4.8	1	2.79	151
401430175	2011	7	15	12	V	7.1	1	2.61	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	15	13	V	3.7	1	3.24	117
401430175	2011	7	15	14	V	4.4	1	3.15	85
401430175	2011	7	15	15	V	3.4	1	3.13	67
401430175	2011	7	15	16	V	3.9	1	3.06	117
401430175	2011	7	15	17	V	3.5	1	2.96	119
401430175	2011	7	15	18	V	6.6	3	3.32	118
401430175	2011	7	15	19	V	1.8	2	4.56	120
401430175	2011	7	15	20	V	2.0	3	4.36	129
401430175	2011	7	15	21	V	1.4	2	3.13	141
401430175	2011	7	15	22	V	1.0	1	3.07	137
401430175	2011	7	15	23	V	0.7	0	2.45	139
401430175	2011	7	15	24	V	2.3	0	3.13	137
401430175	2011	7	16	1	V	5.6	0	3.05	138
401430175	2011	7	16	2	V	2.8	0	3.17	146
401430175	2011	7	16	3	V	10.5	0	2.88	163
401430175	2011	7	16	4	V	1.1	0	1.94	155
401430175	2011	7	16	5	V	7.3	1	2.18	164
401430175	2011	7	16	6	V	8.4	1	2.28	147
401430175	2011	7	16	7	V	1.3	1	2.95	142
401430175	2011	7	16	8	V	4.4	1	3.54	155
401430175	2011	7	16	9	V	8.4	1	3.57	163
401430175	2011	7	16	10	V	6.4	1	2.96	165
401430175	2011	7	16	11	V	7.3	1	3.42	169
401430175	2011	7	16	12	V	6.0	1	3.06	157
401430175	2011	7	16	13	V	3.2	1	3.74	115
401430175	2011	7	16	14	V	3.7	1	4.22	110
401430175	2011	7	16	15	V	2.6	1	4.58	103
401430175	2011	7	16	16	V	3.0	1	4.9	110
401430175	2011	7	16	17	V	2.6	3	5.16	108
401430175	2011	7	16	18	V	6.3	3	4.19	109
401430175	2011	7	16	19	V	1.9	3	3.46	97
401430175	2011	7	16	20	V	1.9	1	2.84	91
401430175	2011	7	16	21	V	1.4	0	1.94	107
401430175	2011	7	16	22	V	1.0	1	3.12	134
401430175	2011	7	16	23	V	1.0	1	3.59	149
401430175	2011	7	16	24	V	2.7	0	3.15	152
401430175	2011	7	17	1	V	5.6	0	3.03	146
401430175	2011	7	17	2	V	3.0	1	2.33	156
401430175	2011	7	17	3	V	18.4	1	2.35	169
401430175	2011	7	17	4	V	0.8	0	2.18	152
401430175	2011	7	17	5	V	0.7	0	1.81	146
401430175	2011	7	17	6	V	8.4	0	2.04	143
401430175	2011	7	17	7	V	1.3	0	2.5	132
401430175	2011	7	17	8	V	1.7	0	3.49	143
401430175	2011	7	17	9	V	9.4	0	3.49	166
401430175	2011	7	17	10	V	5.9	1	3.18	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	17	11	V	2.5	1	3.03	111
401430175	2011	7	17	12	V	3.5	1	2.83	98
401430175	2011	7	17	13	V	3.9	0	3.1	123
401430175	2011	7	17	14	V	3.9	1	3.85	113
401430175	2011	7	17	15	V	2.8	1	4.03	103
401430175	2011	7	17	16	V	3.4	1	3.59	95
401430175	2011	7	17	17	V	2.9	2	3.64	107
401430175	2011	7	17	18	V	6.4	1	3.81	127
401430175	2011	7	17	19	V	1.8	1	4.32	118
401430175	2011	7	17	20	V	1.9	1	3.4	127
401430175	2011	7	17	21	V	1.4	2	2.78	138
401430175	2011	7	17	22	V	1.1	1	3	146
401430175	2011	7	17	23	V	0.8	0	3.71	144
401430175	2011	7	17	24	V	2.3	0	2.86	142
401430175	2011	7	18	1	V	5.6	0	2.61	134
401430175	2011	7	18	2	V	2.7	0	2.9	136
401430175	2011	7	18	3	V	4.4	0	2.61	149
401430175	2011	7	18	4	V	6.4	0	2.5	164
401430175	2011	7	18	5	V	20.3	1	1.87	171
401430175	2011	7	18	6	V	8.4	0	2.64	142
401430175	2011	7	18	7	V	1.1	0	3.39	139
401430175	2011	7	18	8	V	3.5	1	3.27	152
401430175	2011	7	18	9	V	8.3	1	3.32	163
401430175	2011	7	18	10	V	7.7	1	2.88	174
401430175	2011	7	18	11	V	3.2	1	2.69	131
401430175	2011	7	18	12	V	4.2	1	2.88	133
401430175	2011	7	18	13	V	4.2	0	2.52	119
401430175	2011	7	18	14	V	4.1	0	3.51	110
401430175	2011	7	18	15	V	2.9	1	3.9	121
401430175	2011	7	18	16	V	3.3	3	3.97	124
401430175	2011	7	18	17	V	2.7	1	4.43	120
401430175	2011	7	18	18	V	6.6	0	4.34	137
401430175	2011	7	18	19	V	1.8	0	4.34	128
401430175	2011	7	18	20	V	1.9	0	3.12	128
401430175	2011	7	18	21	V	1.5	1	1.72	130
401430175	2011	7	18	22	V	1.0	1	2.15	151
401430175	2011	7	18	23	V	0.8	1	2.91	146
401430175	2011	7	18	24	V	2.3	0	2.71	149
401430175	2011	7	19	1	V	6.5	0	2.11	158
401430175	2011	7	19	2	V	2.9	1	1.94	155
401430175	2011	7	19	3	V	4.5	0	2.06	153
401430175	2011	7	19	4	V	17.7	3	1.93	169
401430175	2011	7	19	5	V	4.4	14	1.37	194
401430175	2011	7	19	6	V	22.6	22	0.87	195
401430175	2011	7	19	7	V	10.7	4	2.22	166
401430175	2011	7	19	8	V	11.4	24	3.18	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	19	9	V	10.2	14	3.17	180
401430175	2011	7	19	10	V	7.0	-999	2.86	169
401430175	2011	7	19	11	V	2.8	1	2.91	121
401430175	2011	7	19	12	V	3.3	0	3.12	117
401430175	2011	7	19	13	V	3.2	0	3.81	105
401430175	2011	7	19	14	V	4.1	1	3.42	116
401430175	2011	7	19	15	V	2.8	1	3.88	117
401430175	2011	7	19	16	V	3.1	1	4.71	119
401430175	2011	7	19	17	V	2.8	0	4.66	131
401430175	2011	7	19	18	V	6.2	0	4.82	111
401430175	2011	7	19	19	V	1.8	0	4.48	101
401430175	2011	7	19	20	V	2.0	0	3.54	110
401430175	2011	7	19	21	V	1.4	1	2.69	126
401430175	2011	7	19	22	V	1.0	0	2.42	139
401430175	2011	7	19	23	V	0.7	0	2.4	141
401430175	2011	7	19	24	V	14.8	14	2.93	169
401430175	2011	7	20	1	V	23.4	35	2.03	171
401430175	2011	7	20	2	V	39.9	12	0.7	229
401430175	2011	7	20	3	V	8.3	19	0.6	79
401430175	2011	7	20	4	V	0.8	11	1.76	149
401430175	2011	7	20	5	V	16.9	17	1.84	168
401430175	2011	7	20	6	V	15.4	25	2.06	164
401430175	2011	7	20	7	V	9.3	15	3.05	165
401430175	2011	7	20	8	V	11.7	26	3.78	178
401430175	2011	7	20	9	V	10.6	10	4.53	195
401430175	2011	7	20	10	V	11.6	8	4.83	198
401430175	2011	7	20	11	V	10.0	10	5.43	191
401430175	2011	7	20	12	V	10.4	12	4.85	186
401430175	2011	7	20	13	V	12.6	9	4.53	195
401430175	2011	7	20	14	V	12.1	8	4.95	189
401430175	2011	7	20	15	V	9.9	14	4.7	180
401430175	2011	7	20	16	V	9.3	6	5.07	168
401430175	2011	7	20	17	V	9.4	8	5	167
401430175	2011	7	20	18	V	13.7	5	4.8	166
401430175	2011	7	20	19	V	8.9	3	4.31	161
401430175	2011	7	20	20	V	14.9	2	3.13	171
401430175	2011	7	20	21	V	3.2	1	2.27	184
401430175	2011	7	20	22	V	12.0	12	1.3	207
401430175	2011	7	20	23	V	5.0	11	1.55	200
401430175	2011	7	20	24	V	4.1	11	1.72	196
401430175	2011	7	21	1	V	8.5	8	1.31	190
401430175	2011	7	21	2	V	6.2	11	1.31	192
401430175	2011	7	21	3	V	6.4	13	0.69	28
401430175	2011	7	21	4	V	3.8	10	0.67	34
401430175	2011	7	21	5	C	-999	10	0	0
401430175	2011	7	21	6	C	-999	12	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	21	7	V	14.1	13	1.11	184
401430175	2011	7	21	8	V	10.5	20	2.38	185
401430175	2011	7	21	9	V	14.9	4	2.91	204
401430175	2011	7	21	10	V	13.7	17	3.92	204
401430175	2011	7	21	11	V	9.5	13	5.14	179
401430175	2011	7	21	12	V	10.2	11	5.48	184
401430175	2011	7	21	13	V	10.1	9	5.02	181
401430175	2011	7	21	14	V	10.7	14	5.22	178
401430175	2011	7	21	15	V	9.7	11	5.12	176
401430175	2011	7	21	16	V	9.1	9	4.73	167
401430175	2011	7	21	17	V	10.7	12	4.14	178
401430175	2011	7	21	18	V	14.9	8	4.22	172
401430175	2011	7	21	19	V	11.9	9	3.92	166
401430175	2011	7	21	20	V	7.7	1	3.15	162
401430175	2011	7	21	21	V	16.5	1	1.91	168
401430175	2011	7	21	22	V	16.1	1	0.87	186
401430175	2011	7	21	23	V	35.8	3	1.06	218
401430175	2011	7	21	24	V	9.3	15	1.45	207
401430175	2011	7	22	1	V	19.3	14	1.35	214
401430175	2011	7	22	2	V	43.1	18	0.6	212
401430175	2011	7	22	3	V	11.0	6	0.75	244
401430175	2011	7	22	4	V	3.1	5	0.72	34
401430175	2011	7	22	5	V	32.1	1	1.21	174
401430175	2011	7	22	6	V	43.9	1	1.01	170
401430175	2011	7	22	7	V	10.7	5	2.03	166
401430175	2011	7	22	8	V	13.2	15	2.54	173
401430175	2011	7	22	9	V	10.1	13	3.15	181
401430175	2011	7	22	10	V	7.9	11	3.64	173
401430175	2011	7	22	11	V	9.5	20	5.46	181
401430175	2011	7	22	12	V	11.0	16	4.59	187
401430175	2011	7	22	13	V	7.2	7	4.49	161
401430175	2011	7	22	14	V	10.5	1	4.36	180
401430175	2011	7	22	15	V	9.0	10	4.63	175
401430175	2011	7	22	16	V	11.0	9	4.56	183
401430175	2011	7	22	17	V	14.7	11	4.27	199
401430175	2011	7	22	18	V	17.3	12	4.03	192
401430175	2011	7	22	19	V	12.3	17	4.26	179
401430175	2011	7	22	20	V	15.0	48	3.22	172
401430175	2011	7	22	21	V	4.2	11	3.39	158
401430175	2011	7	22	22	V	6.0	1	2.84	162
401430175	2011	7	22	23	V	15.1	1	2.57	172
401430175	2011	7	22	24	V	3.3	9	2.13	198
401430175	2011	7	23	1	V	16.8	11	1.25	205
401430175	2011	7	23	2	V	17.1	19	0.92	197
401430175	2011	7	23	3	V	32.4	8	0.63	200
401430175	2011	7	23	4	V	4.2	6	0.67	141

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	23	5	V	10.8	5	0.99	159
401430175	2011	7	23	6	V	45.0	20	0.99	172
401430175	2011	7	23	7	V	20.7	26	1.3	209
401430175	2011	7	23	8	V	10.9	20	3.13	194
401430175	2011	7	23	9	V	9.8	18	4.58	194
401430175	2011	7	23	10	V	15.6	16	4.42	209
401430175	2011	7	23	11	V	13.8	14	4.15	203
401430175	2011	7	23	12	V	13.2	14	4.78	198
401430175	2011	7	23	13	V	12.8	17	4.65	195
401430175	2011	7	23	14	V	12.0	12	4.48	188
401430175	2011	7	23	15	V	10.1	9	4.22	182
401430175	2011	7	23	16	V	11.6	14	4.19	186
401430175	2011	7	23	17	V	12.8	7	4.03	191
401430175	2011	7	23	18	V	16.9	11	4.14	192
401430175	2011	7	23	19	V	12.8	18	4.68	168
401430175	2011	7	23	20	V	12.0	44	3.56	175
401430175	2011	7	23	21	V	3.8	13	1.5	196
401430175	2011	7	23	22	V	6.7	9	1.43	200
401430175	2011	7	23	23	V	2.0	11	2.13	200
401430175	2011	7	23	24	V	4.3	4	1.94	208
401430175	2011	7	24	1	V	20.6	31	1.45	216
401430175	2011	7	24	2	V	11.0	47	1.37	182
401430175	2011	7	24	3	V	15.9	19	1.31	181
401430175	2011	7	24	4	V	13.9	6	1.03	199
401430175	2011	7	24	5	V	3.9	4	0.69	48
401430175	2011	7	24	6	V	18.7	4	0.84	157
401430175	2011	7	24	7	V	10.6	4	1.96	185
401430175	2011	7	24	8	V	9.1	15	2.98	186
401430175	2011	7	24	9	V	16.8	20	3.05	213
401430175	2011	7	24	10	V	7.8	2	2.52	238
401430175	2011	7	24	11	V	7.8	2	2.27	204
401430175	2011	7	24	12	V	6.1	11	2.23	178
401430175	2011	7	24	13	V	6.8	4	2.16	214
401430175	2011	7	24	14	V	3.9	9	3.85	286
401430175	2011	7	24	15	V	4.7	8	2.21	125
401430175	2011	7	24	16	V	3.6	1	3.3	85
401430175	2011	7	24	17	V	3.2	1	3.3	90
401430175	2011	7	24	18	V	7.0	1	2.76	116
401430175	2011	7	24	19	V	7.9	1	3.03	158
401430175	2011	7	24	20	V	1.9	1	3.44	123
401430175	2011	7	24	21	V	1.8	1	2.91	153
401430175	2011	7	24	22	V	6.6	5	2.37	237
401430175	2011	7	24	23	V	12.9	3	1.77	230
401430175	2011	7	24	24	V	2.3	1	1.88	358
401430175	2011	7	25	1	V	5.9	0	5.04	21
401430175	2011	7	25	2	V	2.9	0	5.17	34

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	25	3	V	4.5	0	2.64	352
401430175	2011	7	25	4	V	0.9	1	1.54	269
401430175	2011	7	25	5	V	0.9	0	1.3	281
401430175	2011	7	25	6	V	49.9	1	0.97	222
401430175	2011	7	25	7	V	17.5	2	1.33	202
401430175	2011	7	25	8	V	2.0	2	2.27	133
401430175	2011	7	25	9	V	1.7	1	4.12	96
401430175	2011	7	25	10	V	1.2	2	4.2	79
401430175	2011	7	25	11	V	2.1	1	3.15	99
401430175	2011	7	25	12	V	3.3	1	2.67	104
401430175	2011	7	25	13	V	4.6	2	2.03	87
401430175	2011	7	25	14	V	5.7	2	2.06	127
401430175	2011	7	25	15	V	4.6	7	2.01	107
401430175	2011	7	25	16	V	5.0	5	2.03	88
401430175	2011	7	25	17	V	5.0	6	1.79	99
401430175	2011	7	25	18	V	8.3	2	1.74	103
401430175	2011	7	25	19	V	3.8	1	1.31	84
401430175	2011	7	25	20	V	2.0	1	2.73	75
401430175	2011	7	25	21	V	1.5	1	1.6	131
401430175	2011	7	25	22	V	3.6	8	1.48	159
401430175	2011	7	25	23	V	1.4	2	0.99	69
401430175	2011	7	25	24	V	2.5	2	1.3	137
401430175	2011	7	26	1	V	5.8	2	1.25	146
401430175	2011	7	26	2	V	19.7	1	2.15	171
401430175	2011	7	26	3	V	4.5	2	2.23	147
401430175	2011	7	26	4	V	1.9	1	2.57	153
401430175	2011	7	26	5	V	0.7	0	2.42	124
401430175	2011	7	26	6	V	8.5	0	2.37	111
401430175	2011	7	26	7	V	1.8	1	3.1	149
401430175	2011	7	26	8	V	6.6	1	3.78	161
401430175	2011	7	26	9	V	4.6	1	5.5	157
401430175	2011	7	26	10	V	3.8	1	6.06	156
401430175	2011	7	26	11	V	8.6	-999	7.3	167
401430175	2011	7	26	12	V	9.9	11	7.37	175
401430175	2011	7	26	13	V	8.7	12	6.55	166
401430175	2011	7	26	14	V	10.5	7	7.16	182
401430175	2011	7	26	15	V	9.6	12	6.09	176
401430175	2011	7	26	16	V	9.7	14	5.36	172
401430175	2011	7	26	17	V	4.3	1	5.43	147
401430175	2011	7	26	18	V	6.5	1	5.51	140
401430175	2011	7	26	19	V	2.0	1	5.65	146
401430175	2011	7	26	20	V	2.1	1	4.14	146
401430175	2011	7	26	21	V	1.5	1	3.73	145
401430175	2011	7	26	22	V	5.0	1	3.8	160
401430175	2011	7	26	23	V	12.9	15	5.05	175
401430175	2011	7	26	24	V	6.6	12	4.17	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	27	1	V	18.6	24	2.74	173
401430175	2011	7	27	2	V	15.3	9	3.29	171
401430175	2011	7	27	3	V	15.2	5	3.91	172
401430175	2011	7	27	4	V	7.9	19	3.66	180
401430175	2011	7	27	5	V	11.3	10	2.88	167
401430175	2011	7	27	6	V	8.4	11	1.86	145
401430175	2011	7	27	7	V	10.8	21	3.29	168
401430175	2011	7	27	8	V	9.2	20	5.7	169
401430175	2011	7	27	9	V	10.8	11	5.65	170
401430175	2011	7	27	10	V	9.0	18	6.43	170
401430175	2011	7	27	11	V	9.3	8	5.85	174
401430175	2011	7	27	12	V	10.1	12	4.58	184
401430175	2011	7	27	13	V	10.7	8	4.66	185
401430175	2011	7	27	14	V	13.1	10	3.88	194
401430175	2011	7	27	15	V	7.4	2	4.34	164
401430175	2011	7	27	16	V	3.7	2	5.17	140
401430175	2011	7	27	17	V	2.7	1	5.65	135
401430175	2011	7	27	18	V	6.5	1	5.1	140
401430175	2011	7	27	19	V	1.7	1	5.05	136
401430175	2011	7	27	20	V	1.9	1	3.32	143
401430175	2011	7	27	21	V	1.4	1	2.62	143
401430175	2011	7	27	22	V	1.0	1	2.44	142
401430175	2011	7	27	23	V	0.8	1	2.93	148
401430175	2011	7	27	24	V	6.8	1	3.06	161
401430175	2011	7	28	1	V	14.6	15	3.29	178
401430175	2011	7	28	2	V	6.4	4	2.33	162
401430175	2011	7	28	3	V	7.6	1	1.96	161
401430175	2011	7	28	4	V	18.8	7	1.84	169
401430175	2011	7	28	5	V	0.7	4	1.67	147
401430175	2011	7	28	6	V	8.5	1	1.62	148
401430175	2011	7	28	7	V	7.9	1	2.93	162
401430175	2011	7	28	8	V	13.1	9	3.88	171
401430175	2011	7	28	9	V	8.8	11	4.63	184
401430175	2011	7	28	10	V	9.0	10	5.1	177
401430175	2011	7	28	11	V	9.6	11	4.32	182
401430175	2011	7	28	12	V	9.8	11	3.08	185
401430175	2011	7	28	13	V	4.5	3	2.59	128
401430175	2011	7	28	14	V	4.1	1	3.61	123
401430175	2011	7	28	15	V	2.9	1	3.78	122
401430175	2011	7	28	16	V	3.2	1	4.07	114
401430175	2011	7	28	17	V	2.9	1	3.59	120
401430175	2011	7	28	18	V	6.3	1	4.03	110
401430175	2011	7	28	19	V	1.7	1	4.68	111
401430175	2011	7	28	20	V	2.0	1	4.2	136
401430175	2011	7	28	21	V	1.5	1	4.68	141
401430175	2011	7	28	22	V	1.5	0	3.81	151

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	28	23	V	1.2	0	3.75	151
401430175	2011	7	28	24	V	8.5	1	3.86	163
401430175	2011	7	29	1	V	13.2	1	3.24	164
401430175	2011	7	29	2	V	18.6	28	2.13	170
401430175	2011	7	29	3	V	13.0	24	1.76	164
401430175	2011	7	29	4	V	13.9	9	1.84	177
401430175	2011	7	29	5	V	11.2	4	1.57	164
401430175	2011	7	29	6	V	27.0	1	1.04	181
401430175	2011	7	29	7	V	5.2	1	2.44	156
401430175	2011	7	29	8	V	11.5	5	3	167
401430175	2011	7	29	9	V	12.4	19	3.49	176
401430175	2011	7	29	10	V	9.0	18	3.47	182
401430175	2011	7	29	11	V	9.7	13	3.66	186
401430175	2011	7	29	12	V	9.4	7	2.91	184
401430175	2011	7	29	13	V	3.8	1	2.89	121
401430175	2011	7	29	14	V	4.3	1	3.69	129
401430175	2011	7	29	15	V	3.2	2	3.73	128
401430175	2011	7	29	16	V	4.4	2	3.27	133
401430175	2011	7	29	17	V	3.2	1	3.64	127
401430175	2011	7	29	18	V	6.2	1	4.75	115
401430175	2011	7	29	19	V	1.8	1	5.51	143
401430175	2011	7	29	20	V	14.9	8	1.93	219
401430175	2011	7	29	21	V	2.0	1	0.8	359
401430175	2011	7	29	22	V	6.0	2	1.28	195
401430175	2011	7	29	23	V	30.9	6	1.01	167
401430175	2011	7	29	24	V	39.3	3	0.87	171
401430175	2011	7	30	1	V	7.2	3	1.89	159
401430175	2011	7	30	2	V	9.8	4	1.28	198
401430175	2011	7	30	3	V	12.7	11	1.57	163
401430175	2011	7	30	4	V	7.3	4	1.79	163
401430175	2011	7	30	5	V	16.3	24	0.79	191
401430175	2011	7	30	6	V	15.3	28	1.25	160
401430175	2011	7	30	7	V	11.4	13	1.79	193
401430175	2011	7	30	8	V	10.3	28	4.05	195
401430175	2011	7	30	9	V	16.9	28	3.91	213
401430175	2011	7	30	10	V	13.4	4	2.96	218
401430175	2011	7	30	11	V	9.2	6	2.33	225
401430175	2011	7	30	12	V	10.8	10	3.05	191
401430175	2011	7	30	13	V	11.3	11	2.88	217
401430175	2011	7	30	14	V	10.9	5	3.39	184
401430175	2011	7	30	15	V	3.3	1	2.67	304
401430175	2011	7	30	16	V	3.8	1	2.33	279
401430175	2011	7	30	17	V	10.9	1	2.55	230
401430175	2011	7	30	18	V	9.8	4	1.4	257
401430175	2011	7	30	19	C	-999	2	0	0
401430175	2011	7	30	20	C	-999	3	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	7	30	21	V	35.1	2	0.84	230
401430175	2011	7	30	22	V	14.8	1	0.87	237
401430175	2011	7	30	23	V	8.0	1	0.91	240
401430175	2011	7	30	24	V	40.4	2	0.72	229
401430175	2011	7	31	1	C	-999	5	0	0
401430175	2011	7	31	2	C	-999	4	0	0
401430175	2011	7	31	3	V	9.2	12	0.55	27
401430175	2011	7	31	4	C	-999	5	0	0
401430175	2011	7	31	5	V	2.0	3	0.77	258
401430175	2011	7	31	6	C	-999	3	0	0
401430175	2011	7	31	7	V	18.7	3	0.97	206
401430175	2011	7	31	8	V	19.9	2	1.47	215
401430175	2011	7	31	9	V	16.2	2	2.96	214
401430175	2011	7	31	10	V	9.2	1	3.56	235
401430175	2011	7	31	11	V	9.9	0	2.79	225
401430175	2011	7	31	12	V	6.3	2	2.04	241
401430175	2011	7	31	13	V	7.7	1	2.64	176
401430175	2011	7	31	14	V	5.7	1	2.89	141
401430175	2011	7	31	15	V	6.8	2	2.23	183
401430175	2011	7	31	16	V	10.0	2	2.76	183
401430175	2011	7	31	17	V	3.4	1	3.51	131
401430175	2011	7	31	18	V	6.3	2	4.09	120
401430175	2011	7	31	19	V	1.7	1	4.41	109
401430175	2011	7	31	20	V	2.0	1	3.61	117
401430175	2011	7	31	21	V	1.5	1	3.08	119
401430175	2011	7	31	22	V	1.1	1	3.63	142
401430175	2011	7	31	23	V	0.9	1	2.71	153
401430175	2011	7	31	24	V	2.3	0	2.33	152
401430175	2011	8	1	1	V	20.0	0	2.48	173
401430175	2011	8	1	2	V	16.9	1	2.57	171
401430175	2011	8	1	3	V	25.1	2	1.81	172
401430175	2011	8	1	4	V	41.2	16	0.79	227
401430175	2011	8	1	5	C	-999	18	0	0
401430175	2011	8	1	6	V	23.2	26	0.87	196
401430175	2011	8	1	7	V	18.9	11	1.4	210
401430175	2011	8	1	8	V	10.3	12	2.71	194
401430175	2011	8	1	9	V	15.6	13	2.45	212
401430175	2011	8	1	10	V	19.1	1	2.62	218
401430175	2011	8	1	11	V	5.1	1	2.64	249
401430175	2011	8	1	12	V	12.0	0	2.35	229
401430175	2011	8	1	13	V	10.1	3	2.21	183
401430175	2011	8	1	14	V	14.3	6	2.84	195
401430175	2011	8	1	15	V	8.1	5	2.73	166
401430175	2011	8	1	16	V	14.4	4	2.42	214
401430175	2011	8	1	17	V	10.7	9	2.44	177
401430175	2011	8	1	18	V	8.5	1	3.81	149

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	1	19	V	13.6	1	3.41	170
401430175	2011	8	1	20	V	2.9	1	1.82	194
401430175	2011	8	1	21	V	42.8	1	0.96	220
401430175	2011	8	1	22	V	45.9	1	0.68	224
401430175	2011	8	1	23	V	3.9	2	0.6	279
401430175	2011	8	1	24	V	5.6	7	0.58	269
401430175	2011	8	2	1	V	51.7	5	0.8	221
401430175	2011	8	2	2	V	7.0	3	1.43	197
401430175	2011	8	2	3	V	13.3	18	1.03	187
401430175	2011	8	2	4	V	7.9	17	2.05	164
401430175	2011	8	2	5	V	9.5	1	1.47	181
401430175	2011	8	2	6	V	34.7	1	1.3	168
401430175	2011	8	2	7	V	12.2	1	1.6	171
401430175	2011	8	2	8	V	10.7	9	3.03	177
401430175	2011	8	2	9	V	11.7	19	3	198
401430175	2011	8	2	10	V	19.4	15	3.12	218
401430175	2011	8	2	11	V	17.5	-999	3.71	215
401430175	2011	8	2	12	V	16.4	-999	3.42	221
401430175	2011	8	2	13	V	13.0	8	4.05	190
401430175	2011	8	2	14	V	13.2	10	4.46	189
401430175	2011	8	2	15	V	18.7	9	3.52	205
401430175	2011	8	2	16	V	18.1	10	4.29	210
401430175	2011	8	2	17	V	15.3	8	3.76	197
401430175	2011	8	2	18	V	24.4	9	3.17	219
401430175	2011	8	2	19	V	18.8	12	1.76	218
401430175	2011	8	2	20	V	19.5	3	0.86	234
401430175	2011	8	2	21	C	-999	2	0	0
401430175	2011	8	2	22	V	6.1	2	0.55	258
401430175	2011	8	2	23	V	45.6	1	0.72	225
401430175	2011	8	2	24	V	27.6	2	0.84	233
401430175	2011	8	3	1	V	6.0	10	1.18	248
401430175	2011	8	3	2	V	21.9	1	1.5	219
401430175	2011	8	3	3	V	6.1	1	1.03	244
401430175	2011	8	3	4	V	47.1	3	0.62	222
401430175	2011	8	3	5	V	5.3	1	0.58	42
401430175	2011	8	3	6	V	8.5	1	1.38	14
401430175	2011	8	3	7	V	18.0	1	1.06	224
401430175	2011	8	3	8	V	20.7	8	1.62	213
401430175	2011	8	3	9	V	15.6	2	2.64	221
401430175	2011	8	3	10	V	1.8	1	2.03	279
401430175	2011	8	3	11	V	3.2	1	1.52	316
401430175	2011	8	3	12	V	3.2	1	2.22	309
401430175	2011	8	3	13	V	3.6	1	2.25	273
401430175	2011	8	3	14	V	8.3	1	2.01	247
401430175	2011	8	3	15	V	2.7	1	3.29	356
401430175	2011	8	3	16	V	4.2	1	1.98	3

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	3	17	V	3.7	1	1.98	343
401430175	2011	8	3	18	V	7.0	1	1.96	359
401430175	2011	8	3	19	V	3.0	1	0.91	294
401430175	2011	8	3	20	V	2.0	1	3.01	347
401430175	2011	8	3	21	V	1.5	1	3.44	17
401430175	2011	8	3	22	V	1.1	1	1.52	67
401430175	2011	8	3	23	V	0.8	1	1.82	266
401430175	2011	8	3	24	V	2.3	2	1.62	334
401430175	2011	8	4	1	V	5.7	1	3.57	342
401430175	2011	8	4	2	V	3.0	1	5.48	10
401430175	2011	8	4	3	V	4.7	0	5.27	12
401430175	2011	8	4	4	V	0.9	0	5.38	30
401430175	2011	8	4	5	V	3.4	0	4.41	41
401430175	2011	8	4	6	V	8.4	1	3.03	68
401430175	2011	8	4	7	V	1.5	1	3.08	58
401430175	2011	8	4	8	V	2.3	1	3.56	33
401430175	2011	8	4	9	V	2.1	1	3.66	56
401430175	2011	8	4	10	V	1.2	1	3.88	71
401430175	2011	8	4	11	V	1.8	0	4.22	110
401430175	2011	8	4	12	V	2.5	1	4.49	122
401430175	2011	8	4	13	V	2.7	3	4.66	125
401430175	2011	8	4	14	V	3.3	1	4.8	116
401430175	2011	8	4	15	V	2.4	1	4.46	106
401430175	2011	8	4	16	V	2.9	1	3.83	109
401430175	2011	8	4	17	V	2.8	1	2.72	85
401430175	2011	8	4	18	V	6.4	1	2.47	83
401430175	2011	8	4	19	V	1.8	2	2.86	117
401430175	2011	8	4	20	V	1.9	3	2.21	130
401430175	2011	8	4	21	V	2.2	2	0.99	55
401430175	2011	8	4	22	V	1.1	2	1.77	126
401430175	2011	8	4	23	V	6.5	1	2.76	163
401430175	2011	8	4	24	V	11.9	2	3.27	166
401430175	2011	8	5	1	V	18.1	24	3.1	174
401430175	2011	8	5	2	V	17.1	12	1.06	206
401430175	2011	8	5	3	V	35.1	12	1.33	172
401430175	2011	8	5	4	V	19.0	18	1.94	170
401430175	2011	8	5	5	V	18.2	10	1.42	178
401430175	2011	8	5	6	V	20.3	16	1.11	200
401430175	2011	8	5	7	V	7.3	9	1.26	157
401430175	2011	8	5	8	V	15.1	26	2.23	201
401430175	2011	8	5	9	V	15.9	2	3.05	221
401430175	2011	8	5	10	V	16.8	3	4.17	225
401430175	2011	8	5	11	V	17.6	8	4.63	219
401430175	2011	8	5	12	V	16.2	25	6.16	206
401430175	2011	8	5	13	V	11.5	17	5.92	195
401430175	2011	8	5	14	V	18.6	22	3.93	207

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	5	15	V	10.9	11	5.48	190
401430175	2011	8	5	16	V	12.2	12	4.36	185
401430175	2011	8	5	17	V	12.4	34	4.08	188
401430175	2011	8	5	18	V	16.5	6	3.46	188
401430175	2011	8	5	19	V	13.2	14	4.14	178
401430175	2011	8	5	20	V	12.6	29	3.73	170
401430175	2011	8	5	21	V	12.8	1	3.58	172
401430175	2011	8	5	22	V	8.8	39	3.15	180
401430175	2011	8	5	23	V	2.7	6	3.71	189
401430175	2011	8	5	24	V	3.2	2	3.59	195
401430175	2011	8	6	1	V	6.5	11	2.42	202
401430175	2011	8	6	2	V	4.3	55	3.22	199
401430175	2011	8	6	3	V	6.7	40	3.17	187
401430175	2011	8	6	4	V	19.9	29	1.26	216
401430175	2011	8	6	5	V	16.2	26	1.42	230
401430175	2011	8	6	6	V	23.5	16	1.33	231
401430175	2011	8	6	7	V	13.1	2	1.2	234
401430175	2011	8	6	8	V	13.9	4	1.52	179
401430175	2011	8	6	9	V	11.2	5	2.44	172
401430175	2011	8	6	10	V	9.5	18	3.9	186
401430175	2011	8	6	11	V	9.7	12	4.43	189
401430175	2011	8	6	12	V	11.0	16	4.34	191
401430175	2011	8	6	13	V	17.3	12	3.59	213
401430175	2011	8	6	14	V	17.9	10	3.54	214
401430175	2011	8	6	15	V	15.2	6	3.05	225
401430175	2011	8	6	16	V	16.9	1	2.84	220
401430175	2011	8	6	17	V	20.9	1	2.96	213
401430175	2011	8	6	18	V	5.9	3	7.29	355
401430175	2011	8	6	19	V	1.7	14	5.12	303
401430175	2011	8	6	20	V	2.1	2	3.86	4
401430175	2011	8	6	21	V	1.5	5	2.91	320
401430175	2011	8	6	22	V	1.2	1	2.27	319
401430175	2011	8	6	23	V	12.5	1	1.87	218
401430175	2011	8	6	24	V	3.0	1	0.94	143
401430175	2011	8	7	1	V	5.7	3	1.47	106
401430175	2011	8	7	2	V	2.7	2	1.77	147
401430175	2011	8	7	3	V	5.8	5	1.84	196
401430175	2011	8	7	4	V	13.1	6	1.28	212
401430175	2011	8	7	5	V	9.2	13	1.26	200
401430175	2011	8	7	6	V	13.2	11	0.75	246
401430175	2011	8	7	7	C	-999	2	0	0
401430175	2011	8	7	8	V	5.8	2	2.3	156
401430175	2011	8	7	9	V	13.2	15	3.32	176
401430175	2011	8	7	10	V	8.0	17	4.56	189
401430175	2011	8	7	11	V	13.7	25	4.41	201
401430175	2011	8	7	12	V	10.8	26	4.44	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	7	13	V	13.1	19	5.31	199
401430175	2011	8	7	14	V	13.0	17	5.26	197
401430175	2011	8	7	15	V	16.7	9	3.44	210
401430175	2011	8	7	16	V	18.2	10	3.15	207
401430175	2011	8	7	17	V	16.4	17	4.19	228
401430175	2011	8	7	18	V	20.2	5	3.25	230
401430175	2011	8	7	19	V	20.5	7	1.81	217
401430175	2011	8	7	20	V	29.3	8	0.67	231
401430175	2011	8	7	21	V	41.5	2	0.77	216
401430175	2011	8	7	22	V	34.9	3	1.16	171
401430175	2011	8	7	23	V	7.0	4	0.75	152
401430175	2011	8	7	24	V	2.4	2	1.55	138
401430175	2011	8	8	1	V	25.1	19	1.88	171
401430175	2011	8	8	2	V	18.6	23	1.79	176
401430175	2011	8	8	3	V	12.1	18	1.25	198
401430175	2011	8	8	4	V	12.8	26	1.25	206
401430175	2011	8	8	5	V	31.2	11	0.86	211
401430175	2011	8	8	6	V	9.2	14	0.89	9
401430175	2011	8	8	7	V	8.2	2	1.5	160
401430175	2011	8	8	8	V	5.9	1	2.3	155
401430175	2011	8	8	9	V	12.0	3	3.15	179
401430175	2011	8	8	10	V	17.3	18	4.75	213
401430175	2011	8	8	11	V	18.0	17	3.95	218
401430175	2011	8	8	12	V	15.1	6	3.46	227
401430175	2011	8	8	13	V	3.8	1	1.93	282
401430175	2011	8	8	14	V	3.5	3	4	349
401430175	2011	8	8	15	V	2.7	2	3.93	59
401430175	2011	8	8	16	V	2.9	1	4.2	76
401430175	2011	8	8	17	V	3.0	1	2.83	64
401430175	2011	8	8	18	V	6.5	2	3.85	34
401430175	2011	8	8	19	V	2.6	2	4.68	47
401430175	2011	8	8	20	V	2.3	3	5.41	5
401430175	2011	8	8	21	V	13.7	18	5.09	170
401430175	2011	8	8	22	V	1.1	3	2.69	16
401430175	2011	8	8	23	V	2.0	1	3.52	49
401430175	2011	8	8	24	V	4.7	1	4.93	47
401430175	2011	8	9	1	V	5.7	1	4.82	79
401430175	2011	8	9	2	V	2.8	1	3.8	100
401430175	2011	8	9	3	V	4.4	1	3.47	115
401430175	2011	8	9	4	V	0.8	1	3.44	114
401430175	2011	8	9	5	V	0.7	1	2.98	144
401430175	2011	8	9	6	V	8.5	0	1.48	95
401430175	2011	8	9	7	V	1.2	1	2.5	90
401430175	2011	8	9	8	V	1.5	1	3.34	107
401430175	2011	8	9	9	V	1.9	2	2.37	101
401430175	2011	8	9	10	V	2.6	1	1.5	112

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	9	11	V	7.6	6	1.35	155
401430175	2011	8	9	12	V	4.2	5	2.18	33
401430175	2011	8	9	13	V	3.0	1	3.03	24
401430175	2011	8	9	14	V	6.2	1	3.29	48
401430175	2011	8	9	15	V	4.3	2	2.98	51
401430175	2011	8	9	16	V	2.9	3	3.15	97
401430175	2011	8	9	17	V	2.5	4	3.42	118
401430175	2011	8	9	18	V	6.0	2	4.05	130
401430175	2011	8	9	19	V	1.7	1	3.51	129
401430175	2011	8	9	20	V	1.9	1	2.08	106
401430175	2011	8	9	21	V	1.5	2	1.74	83
401430175	2011	8	9	22	V	1.1	1	2.45	36
401430175	2011	8	9	23	V	1.0	1	4.73	27
401430175	2011	8	9	24	V	2.4	1	4.8	55
401430175	2011	8	10	1	V	5.7	1	5.65	89
401430175	2011	8	10	2	V	2.8	2	4.85	114
401430175	2011	8	10	3	V	4.6	0	6.96	57
401430175	2011	8	10	4	M	-999	1	999	999
401430175	2011	8	10	5	M	-999	0	999	999
401430175	2011	8	10	6	M	-999	1	999	999
401430175	2011	8	10	7	M	-999	3	999	999
401430175	2011	8	10	8	M	-999	0	999	999
401430175	2011	8	10	9	M	-999	1	999	999
401430175	2011	8	10	10	M	-999	1	999	999
401430175	2011	8	10	11	M	-999	1	999	999
401430175	2011	8	10	12	M	-999	1	999	999
401430175	2011	8	10	13	M	-999	1	999	999
401430175	2011	8	10	14	M	-999	0	5.16	65
401430175	2011	8	10	15	M	-999	0	6.01	97
401430175	2011	8	10	16	M	-999	2	4.92	110
401430175	2011	8	10	17	M	-999	1	3.92	122
401430175	2011	8	10	18	M	-999	1	3.98	73
401430175	2011	8	10	19	M	-999	3	4.31	19
401430175	2011	8	10	20	V	2.0	2	3.34	60
401430175	2011	8	10	21	V	1.5	0	4.54	60
401430175	2011	8	10	22	V	1.1	1	4.63	68
401430175	2011	8	10	23	V	3.8	1	4.17	42
401430175	2011	8	10	24	V	3.0	0	4.59	51
401430175	2011	8	11	1	V	5.6	0	3.27	67
401430175	2011	8	11	2	V	2.8	0	2.64	58
401430175	2011	8	11	3	V	4.6	0	1.16	21
401430175	2011	8	11	4	V	0.8	0	1.65	26
401430175	2011	8	11	5	V	0.7	0	1.93	32
401430175	2011	8	11	6	V	8.4	0	1.89	80
401430175	2011	8	11	7	V	1.2	1	2.54	88
401430175	2011	8	11	8	V	1.5	1	3.52	105

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	11	9	V	1.8	1	2.57	103
401430175	2011	8	11	10	V	1.4	1	2.72	305
401430175	2011	8	11	11	V	2.5	3	2.06	302
401430175	2011	8	11	12	V	2.6	1	3	23
401430175	2011	8	11	13	V	2.6	2	6.12	112
401430175	2011	8	11	14	V	11.7	1	1.91	238
401430175	2011	8	11	15	V	9.2	1	1.35	176
401430175	2011	8	11	16	V	3.0	1	3.05	111
401430175	2011	8	11	17	V	2.5	1	3.54	95
401430175	2011	8	11	18	V	6.0	0	4.49	114
401430175	2011	8	11	19	V	1.7	1	4.71	120
401430175	2011	8	11	20	V	1.9	4	2.95	139
401430175	2011	8	11	21	V	19.4	1	1.67	169
401430175	2011	8	11	22	V	1.3	0	1.3	146
401430175	2011	8	11	23	V	14.3	1	1.38	164
401430175	2011	8	11	24	V	2.8	0	1.08	141
401430175	2011	8	12	1	V	5.7	0	1.48	147
401430175	2011	8	12	2	V	2.8	0	1.59	149
401430175	2011	8	12	3	V	20.1	0	1.62	177
401430175	2011	8	12	4	V	16.5	2	2.35	172
401430175	2011	8	12	5	V	13.9	4	2.39	167
401430175	2011	8	12	6	V	8.5	1	1.79	152
401430175	2011	8	12	7	V	1.3	0	2.35	141
401430175	2011	8	12	8	V	3.4	1	2.57	150
401430175	2011	8	12	9	V	14.1	14	2.25	177
401430175	2011	8	12	10	V	1.8	3	2.06	114
401430175	2011	8	12	11	V	1.8	1	4.29	61
401430175	2011	8	12	12	V	2.7	1	2.96	69
401430175	2011	8	12	13	V	2.6	2	6.48	66
401430175	2011	8	12	14	V	3.2	2	6.7	93
401430175	2011	8	12	15	V	2.2	1	5.65	119
401430175	2011	8	12	16	V	2.7	1	5.48	107
401430175	2011	8	12	17	V	2.3	1	8.3	69
401430175	2011	8	12	18	V	5.9	0	5.77	88
401430175	2011	8	12	19	V	1.7	0	4.85	125
401430175	2011	8	12	20	V	2.3	1	3.86	151
401430175	2011	8	12	21	V	4.5	7	3.01	185
401430175	2011	8	12	22	V	1.1	11	2.67	269
401430175	2011	8	12	23	V	1.1	0	5.48	6
401430175	2011	8	12	24	V	3.1	0	6.14	52
401430175	2011	8	13	1	V	5.8	0	6.45	103
401430175	2011	8	13	2	V	2.7	0	4.05	131
401430175	2011	8	13	3	V	4.4	1	2.32	144
401430175	2011	8	13	4	V	4.1	0	2.22	182
401430175	2011	8	13	5	V	1.0	7	1.13	263
401430175	2011	8	13	6	V	9.6	3	0.8	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	13	7	V	2.0	1	1.08	357
401430175	2011	8	13	8	V	2.8	1	1.86	28
401430175	2011	8	13	9	V	2.3	1	2.13	80
401430175	2011	8	13	10	V	3.3	1	1.82	143
401430175	2011	8	13	11	V	9.2	2	1.5	166
401430175	2011	8	13	12	V	17.1	6	1.65	227
401430175	2011	8	13	13	V	9.2	1	1.94	242
401430175	2011	8	13	14	V	4.1	1	1.98	291
401430175	2011	8	13	15	V	3.1	0	1.87	308
401430175	2011	8	13	16	V	3.1	0	2.59	18
401430175	2011	8	13	17	V	2.8	0	2.33	21
401430175	2011	8	13	18	V	7.4	0	2.59	36
401430175	2011	8	13	19	V	1.7	0	2.91	22
401430175	2011	8	13	20	V	1.9	0	2.15	26
401430175	2011	8	13	21	V	1.6	0	1.28	1
401430175	2011	8	13	22	V	2.6	0	0.74	340
401430175	2011	8	13	23	C	-999	0	0	0
401430175	2011	8	13	24	V	6.6	0	0.55	271
401430175	2011	8	14	1	V	10.8	0	0.53	273
401430175	2011	8	14	2	C	-999	0	0	0
401430175	2011	8	14	3	V	6.3	0	0.69	296
401430175	2011	8	14	4	V	0.8	0	1.69	9
401430175	2011	8	14	5	V	0.7	0	2.93	13
401430175	2011	8	14	6	V	8.4	0	3	12
401430175	2011	8	14	7	V	1.1	1	2.88	15
401430175	2011	8	14	8	V	2.0	1	3.86	33
401430175	2011	8	14	9	V	5.3	1	3.35	41
401430175	2011	8	14	10	V	3.8	1	3.54	45
401430175	2011	8	14	11	V	3.1	4	3.12	36
401430175	2011	8	14	12	V	4.2	4	2.2	49
401430175	2011	8	14	13	V	4.3	1	2.18	51
401430175	2011	8	14	14	V	4.0	0	2.44	14
401430175	2011	8	14	15	V	2.7	0	2.95	8
401430175	2011	8	14	16	V	3.2	1	2.76	17
401430175	2011	8	14	17	V	3.0	1	2.38	14
401430175	2011	8	14	18	V	6.5	1	2.2	9
401430175	2011	8	14	19	V	4.5	2	2.52	39
401430175	2011	8	14	20	V	2.1	4	1.31	27
401430175	2011	8	14	21	V	2.6	3	0.8	10
401430175	2011	8	14	22	V	4.0	1	2.03	40
401430175	2011	8	14	23	V	0.8	1	2.08	35
401430175	2011	8	14	24	V	2.3	1	1.55	28
401430175	2011	8	15	1	V	6.8	1	0.84	67
401430175	2011	8	15	2	V	3.3	1	0.99	105
401430175	2011	8	15	3	V	4.4	0	1.67	113
401430175	2011	8	15	4	V	1.7	1	0.89	108

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	15	5	V	16.4	1	0.84	187
401430175	2011	8	15	6	V	18.5	1	0.94	189
401430175	2011	8	15	7	V	13.3	0	1.2	183
401430175	2011	8	15	8	V	11.2	1	2.44	167
401430175	2011	8	15	9	V	8.8	1	3.91	166
401430175	2011	8	15	10	V	10.3	1	4.68	166
401430175	2011	8	15	11	V	7.6	1	4.44	161
401430175	2011	8	15	12	V	2.9	1	3.52	140
401430175	2011	8	15	13	V	2.8	-999	4.2	132
401430175	2011	8	15	14	V	3.5	-999	4.22	128
401430175	2011	8	15	15	V	2.4	1	4.92	121
401430175	2011	8	15	16	V	2.8	1	5.33	106
401430175	2011	8	15	17	V	2.4	1	5.72	118
401430175	2011	8	15	18	V	5.9	1	6.36	118
401430175	2011	8	15	19	V	1.6	1	5.05	130
401430175	2011	8	15	20	V	1.9	1	3.97	135
401430175	2011	8	15	21	V	1.4	1	3.88	139
401430175	2011	8	15	22	V	1.1	0	4.68	139
401430175	2011	8	15	23	V	1.2	0	3.8	151
401430175	2011	8	15	24	V	7.8	0	3.51	162
401430175	2011	8	16	1	V	7.7	1	3.54	157
401430175	2011	8	16	2	V	6.4	1	3.12	160
401430175	2011	8	16	3	V	11.7	1	3.52	164
401430175	2011	8	16	4	V	12.2	1	3.18	168
401430175	2011	8	16	5	V	10.4	1	3.37	166
401430175	2011	8	16	6	V	17.9	1	3.2	166
401430175	2011	8	16	7	V	10.7	1	3.1	166
401430175	2011	8	16	8	V	9.5	2	4.15	166
401430175	2011	8	16	9	V	9.8	35	5.12	170
401430175	2011	8	16	10	V	11.7	20	5	170
401430175	2011	8	16	11	V	10.8	11	5.84	177
401430175	2011	8	16	12	V	9.2	16	6.02	182
401430175	2011	8	16	13	V	9.7	22	6.11	182
401430175	2011	8	16	14	V	12.5	13	6.3	174
401430175	2011	8	16	15	V	11.4	15	6.6	176
401430175	2011	8	16	16	V	10.7	19	6.38	181
401430175	2011	8	16	17	V	10.8	18	5.62	182
401430175	2011	8	16	18	V	17.2	21	4.56	169
401430175	2011	8	16	19	V	15.4	32	3.78	169
401430175	2011	8	16	20	V	15.4	38	2.71	172
401430175	2011	8	16	21	V	14.8	6	1.72	218
401430175	2011	8	16	22	M	-999	7	1.1	215
401430175	2011	8	16	23	M	-999	2	0.79	206
401430175	2011	8	16	24	M	-999	4	1.12	267
401430175	2011	8	17	1	M	-999	5	0.77	272
401430175	2011	8	17	2	V	4.0	4	0.79	255

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	17	3	V	22.5	5	0.96	234
401430175	2011	8	17	4	V	38.5	2	0.94	227
401430175	2011	8	17	5	V	1.2	2	0.99	341
401430175	2011	8	17	6	V	9.5	5	0.8	283
401430175	2011	8	17	7	V	17.3	6	1.18	208
401430175	2011	8	17	8	V	22.0	11	1.06	220
401430175	2011	8	17	9	V	8.4	4	0.75	38
401430175	2011	8	17	10	V	9.2	-999	0.63	43
401430175	2011	8	17	11	V	6.3	-999	1.43	252
401430175	2011	8	17	12	V	8.2	-999	2.5	243
401430175	2011	8	17	13	V	9.2	1	2.71	241
401430175	2011	8	17	14	V	9.4	1	2.06	242
401430175	2011	8	17	15	V	6.3	1	1.43	249
401430175	2011	8	17	16	V	5.7	1	0.92	266
401430175	2011	8	17	17	V	5.5	1	0.7	245
401430175	2011	8	17	18	V	9.5	2	0.57	235
401430175	2011	8	17	19	V	3.1	2	0.62	298
401430175	2011	8	17	20	V	4.6	1	0.62	326
401430175	2011	8	17	21	V	2.2	1	0.89	359
401430175	2011	8	17	22	V	1.5	1	0.99	271
401430175	2011	8	17	23	V	1.0	1	1.25	31
401430175	2011	8	17	24	V	2.3	1	1.69	298
401430175	2011	8	18	1	V	18.8	9	3.2	228
401430175	2011	8	18	2	V	3.4	9	2.28	198
401430175	2011	8	18	3	V	6.4	20	2.79	187
401430175	2011	8	18	4	V	22.2	14	0.55	237
401430175	2011	8	18	5	V	9.6	5	0.67	244
401430175	2011	8	18	6	V	12.8	9	0.6	43
401430175	2011	8	18	7	V	25.9	3	0.89	232
401430175	2011	8	18	8	V	18.8	15	1.31	199
401430175	2011	8	18	9	V	12.6	14	1.98	174
401430175	2011	8	18	10	V	9.8	9	3.2	189
401430175	2011	8	18	11	V	11.3	12	4.09	196
401430175	2011	8	18	12	V	17.4	20	4.07	206
401430175	2011	8	18	13	V	17.0	11	4.07	210
401430175	2011	8	18	14	V	19.2	18	4.03	208
401430175	2011	8	18	15	V	17.4	11	3.4	215
401430175	2011	8	18	16	V	15.0	14	3.58	197
401430175	2011	8	18	17	V	12.2	11	3.9	187
401430175	2011	8	18	18	V	17.0	18	3.56	179
401430175	2011	8	18	19	V	12.6	25	3.61	166
401430175	2011	8	18	20	V	4.5	1	2.71	160
401430175	2011	8	18	21	V	13.2	1	2.93	168
401430175	2011	8	18	22	V	11.6	3	2.47	167
401430175	2011	8	18	23	V	12.4	5	2.23	167
401430175	2011	8	18	24	V	14.4	46	0.89	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	19	1	V	6.2	19	1.94	192
401430175	2011	8	19	2	V	3.6	7	2.25	186
401430175	2011	8	19	3	V	5.2	8	2.37	186
401430175	2011	8	19	4	V	2.7	16	3.27	188
401430175	2011	8	19	5	V	1.3	17	2.49	199
401430175	2011	8	19	6	V	8.5	9	1.59	345
401430175	2011	8	19	7	V	21.7	6	1.2	178
401430175	2011	8	19	8	V	18.6	25	1.77	211
401430175	2011	8	19	9	V	8.9	13	3.51	184
401430175	2011	8	19	10	V	9.3	17	2.79	189
401430175	2011	8	19	11	V	12.1	14	2.95	176
401430175	2011	8	19	12	V	11.5	3	3.18	177
401430175	2011	8	19	13	V	12.7	6	3.52	194
401430175	2011	8	19	14	V	12.2	11	1.94	201
401430175	2011	8	19	15	V	7.0	8	1.99	163
401430175	2011	8	19	16	V	13.5	3	2.37	191
401430175	2011	8	19	17	V	16.7	8	2.5	202
401430175	2011	8	19	18	V	16.3	8	2.32	176
401430175	2011	8	19	19	C	-999	4	0	0
401430175	2011	8	19	20	C	-999	1	0	0
401430175	2011	8	19	21	V	3.0	1	0.72	278
401430175	2011	8	19	22	V	5.2	1	0.55	266
401430175	2011	8	19	23	V	44.4	1	0.53	226
401430175	2011	8	19	24	V	30.6	1	1.18	176
401430175	2011	8	20	1	V	51.3	1	0.65	223
401430175	2011	8	20	2	V	46.9	1	0.7	223
401430175	2011	8	20	3	V	18.4	3	1.11	203
401430175	2011	8	20	4	V	10.7	2	1.26	203
401430175	2011	8	20	5	V	12.8	2	1.55	231
401430175	2011	8	20	6	V	10.3	1	0.68	278
401430175	2011	8	20	7	V	1.7	1	0.82	316
401430175	2011	8	20	8	V	1.8	1	2.37	22
401430175	2011	8	20	9	V	2.5	2	1.99	72
401430175	2011	8	20	10	V	1.7	1	2.15	127
401430175	2011	8	20	11	V	11.9	4	2.01	178
401430175	2011	8	20	12	V	12.0	8	2.11	232
401430175	2011	8	20	13	V	5.9	2	0.79	304
401430175	2011	8	20	14	V	6.2	1	1.04	12
401430175	2011	8	20	15	V	5.1	1	0.92	338
401430175	2011	8	20	16	V	5.7	1	1.31	351
401430175	2011	8	20	17	V	2.6	1	3.97	4
401430175	2011	8	20	18	V	6.1	1	4.34	17
401430175	2011	8	20	19	V	1.7	1	2.37	24
401430175	2011	8	20	20	V	1.9	1	2.42	30
401430175	2011	8	20	21	V	1.4	1	2.61	33
401430175	2011	8	20	22	V	5.8	1	2.69	46

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	20	23	V	6.6	1	2.37	46
401430175	2011	8	20	24	V	2.3	1	2.59	71
401430175	2011	8	21	1	V	6.6	1	1.96	158
401430175	2011	8	21	2	V	12.7	0	1.25	203
401430175	2011	8	21	3	V	11.1	3	1.31	183
401430175	2011	8	21	4	V	1.3	6	1.99	193
401430175	2011	8	21	5	V	15.6	16	1.03	202
401430175	2011	8	21	6	V	34.5	18	1.09	215
401430175	2011	8	21	7	V	3.9	18	0.58	269
401430175	2011	8	21	8	V	6.0	21	0.82	316
401430175	2011	8	21	9	V	13.6	3	1.79	183
401430175	2011	8	21	10	V	11.6	1	1.94	171
401430175	2011	8	21	11	V	5.4	4	2.33	152
401430175	2011	8	21	12	V	4.1	2	1.96	135
401430175	2011	8	21	13	V	7.9	6	2.11	163
401430175	2011	8	21	14	V	11.7	3	2.93	180
401430175	2011	8	21	15	V	10.3	4	3.17	172
401430175	2011	8	21	16	V	12.7	5	3.27	190
401430175	2011	8	21	17	V	12.2	5	2.61	182
401430175	2011	8	21	18	V	16.7	4	2.45	181
401430175	2011	8	21	19	V	16.3	3	2.5	167
401430175	2011	8	21	20	V	8.2	1	2.32	164
401430175	2011	8	21	21	V	17.1	3	2.35	172
401430175	2011	8	21	22	V	5.4	10	1.62	161
401430175	2011	8	21	23	V	15.0	21	1.94	176
401430175	2011	8	21	24	V	10.7	7	2.15	165
401430175	2011	8	22	1	V	5.7	1	1.55	148
401430175	2011	8	22	2	V	4.1	0	0.8	116
401430175	2011	8	22	3	V	4.7	0	1.18	119
401430175	2011	8	22	4	V	13.9	1	0.92	196
401430175	2011	8	22	5	V	35.9	1	0.92	215
401430175	2011	8	22	6	V	21.6	12	1.23	208
401430175	2011	8	22	7	V	1.5	2	1.69	259
401430175	2011	8	22	8	V	7.6	1	0.58	354
401430175	2011	8	22	9	V	5.3	0	1.13	331
401430175	2011	8	22	10	V	2.8	0	1.35	17
401430175	2011	8	22	11	V	3.6	0	1.59	26
401430175	2011	8	22	12	V	4.8	0	2.57	50
401430175	2011	8	22	13	V	3.4	0	2.32	73
401430175	2011	8	22	14	V	3.7	0	3.03	69
401430175	2011	8	22	15	V	2.4	1	4.66	59
401430175	2011	8	22	16	V	2.8	3	4.27	79
401430175	2011	8	22	17	V	2.4	1	4.54	115
401430175	2011	8	22	18	V	6.0	0	4.82	122
401430175	2011	8	22	19	V	1.7	3	4.56	125
401430175	2011	8	22	20	V	1.9	1	3.98	123

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	22	21	V	1.4	1	3.1	133
401430175	2011	8	22	22	V	4.8	2	2.27	162
401430175	2011	8	22	23	V	14.6	3	2.37	169
401430175	2011	8	22	24	V	15.2	6	3.03	173
401430175	2011	8	23	1	V	17.1	10	2.55	168
401430175	2011	8	23	2	V	2.7	1	1.72	146
401430175	2011	8	23	3	V	6.7	1	2.44	161
401430175	2011	8	23	4	V	17.8	8	1.93	169
401430175	2011	8	23	5	V	31.9	20	0.92	177
401430175	2011	8	23	6	V	41.6	18	1.04	175
401430175	2011	8	23	7	V	28.0	20	0.89	179
401430175	2011	8	23	8	V	14.2	23	1.43	181
401430175	2011	8	23	9	V	14.0	15	2.03	196
401430175	2011	8	23	10	V	15.9	14	1.69	192
401430175	2011	8	23	11	V	4.0	2	2.91	151
401430175	2011	8	23	12	V	9.4	6	3.78	163
401430175	2011	8	23	13	V	11.0	14	4.05	168
401430175	2011	8	23	14	V	11.5	22	3.81	171
401430175	2011	8	23	15	V	8.4	10	4.22	161
401430175	2011	8	23	16	V	7.6	1	4.12	157
401430175	2011	8	23	17	V	4.1	1	3.9	148
401430175	2011	8	23	18	V	12.7	1	3.88	160
401430175	2011	8	23	19	V	8.8	1	3.71	162
401430175	2011	8	23	20	V	8.1	1	3.76	163
401430175	2011	8	23	21	V	8.2	1	4.07	163
401430175	2011	8	23	22	V	11.9	4	4.76	167
401430175	2011	8	23	23	V	10.6	32	3.86	175
401430175	2011	8	23	24	V	8.5	26	2.84	181
401430175	2011	8	24	1	V	7.4	15	3.76	189
401430175	2011	8	24	2	V	3.6	4	3.05	193
401430175	2011	8	24	3	V	6.4	5	1.87	202
401430175	2011	8	24	4	V	1.3	16	2.03	192
401430175	2011	8	24	5	V	3.0	11	1.62	185
401430175	2011	8	24	6	V	10.3	16	1.43	190
401430175	2011	8	24	7	V	15.1	15	1.79	178
401430175	2011	8	24	8	V	8.9	13	3.08	186
401430175	2011	8	24	9	V	13.5	24	3.03	202
401430175	2011	8	24	10	V	18.8	4	3.95	214
401430175	2011	8	24	11	V	18.4	7	3.98	214
401430175	2011	8	24	12	V	17.0	7	4	210
401430175	2011	8	24	13	V	17.7	10	3.81	213
401430175	2011	8	24	14	V	18.6	5	3.83	215
401430175	2011	8	24	15	V	14.7	9	2.38	215
401430175	2011	8	24	16	V	13.8	4	3.23	192
401430175	2011	8	24	17	V	11.7	7	4.36	182
401430175	2011	8	24	18	V	17.6	11	3.23	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	24	19	V	10.2	7	1.7	164
401430175	2011	8	24	20	V	2.0	1	3.34	137
401430175	2011	8	24	21	V	3.7	4	3.73	188
401430175	2011	8	24	22	V	2.3	11	2.98	189
401430175	2011	8	24	23	V	6.7	9	1.06	191
401430175	2011	8	24	24	V	3.5	3	1.16	153
401430175	2011	8	25	1	V	16.4	2	2.03	166
401430175	2011	8	25	2	V	13.2	5	2.08	166
401430175	2011	8	25	3	V	4.4	1	1.82	143
401430175	2011	8	25	4	V	0.9	1	1.47	147
401430175	2011	8	25	5	V	1.0	1	1.13	7
401430175	2011	8	25	6	V	8.6	1	1.28	6
401430175	2011	8	25	7	V	1.1	1	1.88	20
401430175	2011	8	25	8	V	2.7	1	3.95	36
401430175	2011	8	25	9	V	3.5	1	5.36	41
401430175	2011	8	25	10	V	1.3	1	5.05	56
401430175	2011	8	25	11	V	3.7	1	4.63	49
401430175	2011	8	25	12	V	3.1	-999	4.51	54
401430175	2011	8	25	13	V	5.1	-999	4.87	45
401430175	2011	8	25	14	V	5.6	8	4.71	47
401430175	2011	8	25	15	V	3.1	9	4.27	35
401430175	2011	8	25	16	V	2.8	10	3.97	20
401430175	2011	8	25	17	V	2.4	8	3.73	19
401430175	2011	8	25	18	V	6.0	6	4.03	24
401430175	2011	8	25	19	V	1.7	8	3.44	27
401430175	2011	8	25	20	V	2.1	4	1.18	1
401430175	2011	8	25	21	V	1.9	3	0.87	343
401430175	2011	8	25	22	V	1.1	1	1.62	1
401430175	2011	8	25	23	V	0.8	1	1.79	9
401430175	2011	8	25	24	V	2.3	1	2.17	12
401430175	2011	8	26	1	V	5.7	1	1.51	13
401430175	2011	8	26	2	V	2.8	1	1.37	4
401430175	2011	8	26	3	M	-999	1	1.01	2
401430175	2011	8	26	4	M	-999	1	1.69	9
401430175	2011	8	26	5	M	-999	0	1.45	16
401430175	2011	8	26	6	M	-999	0	1.38	10
401430175	2011	8	26	7	M	-999	1	1.26	30
401430175	2011	8	26	8	V	5.0	1	0.92	22
401430175	2011	8	26	9	V	2.6	2	1.79	118
401430175	2011	8	26	10	V	2.4	1	1.7	134
401430175	2011	8	26	11	V	3.7	1	1.57	133
401430175	2011	8	26	12	V	4.9	1	1.26	67
401430175	2011	8	26	13	V	4.1	1	1.7	27
401430175	2011	8	26	14	V	6.0	1	1.5	136
401430175	2011	8	26	15	V	3.9	1	1.87	43
401430175	2011	8	26	16	V	3.3	2	2.3	109

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	26	17	V	3.0	1	2.06	90
401430175	2011	8	26	18	V	6.2	1	2.67	86
401430175	2011	8	26	19	V	1.6	1	2.11	96
401430175	2011	8	26	20	M	-999	1	1.31	33
401430175	2011	8	26	21	M	-999	4	1.28	31
401430175	2011	8	26	22	M	-999	3	0.8	355
401430175	2011	8	26	23	M	-999	3	0.67	245
401430175	2011	8	26	24	M	-999	2	0.57	268
401430175	2011	8	27	1	M	-999	2	0.84	282
401430175	2011	8	27	2	C	-999	2	0	0
401430175	2011	8	27	3	V	15.7	2	0.63	244
401430175	2011	8	27	4	C	-999	2	0	0
401430175	2011	8	27	5	M	-999	2	0.74	305
401430175	2011	8	27	6	M	-999	1	0.55	346
401430175	2011	8	27	7	M	-999	1	1.74	19
401430175	2011	8	27	8	M	-999	1	0.92	106
401430175	2011	8	27	9	M	-999	18	1.14	199
401430175	2011	8	27	10	M	-999	10	0.96	211
401430175	2011	8	27	11	M	-999	12	1.72	210
401430175	2011	8	27	12	M	-999	4	1.43	234
401430175	2011	8	27	13	M	-999	1	1.87	90
401430175	2011	8	27	14	M	-999	1	1.7	86
401430175	2011	8	27	15	M	-999	1	1.93	84
401430175	2011	8	27	16	M	-999	1	1.98	82
401430175	2011	8	27	17	M	-999	1	2.33	79
401430175	2011	8	27	18	M	-999	1	2.64	63
401430175	2011	8	27	19	V	1.6	1	1.54	87
401430175	2011	8	27	20	V	1.9	1	1.94	92
401430175	2011	8	27	21	V	2.6	1	0.84	90
401430175	2011	8	27	22	V	2.8	1	0.69	323
401430175	2011	8	27	23	V	4.8	1	0.57	274
401430175	2011	8	27	24	C	-999	1	0	0
401430175	2011	8	28	1	M	-999	1	0.75	312
401430175	2011	8	28	2	C	-999	1	0	0
401430175	2011	8	28	3	C	-999	1	0	0
401430175	2011	8	28	4	V	3.3	1	0.63	264
401430175	2011	8	28	5	V	4.8	1	0.55	302
401430175	2011	8	28	6	V	8.8	1	1.03	321
401430175	2011	8	28	7	V	3.9	1	0.7	48
401430175	2011	8	28	8	V	2.4	1	1.55	108
401430175	2011	8	28	9	V	4.1	1	3.03	153
401430175	2011	8	28	10	V	12.5	5	3.59	173
401430175	2011	8	28	11	V	11.9	19	5.09	172
401430175	2011	8	28	12	V	11.0	2	4.41	168
401430175	2011	8	28	13	V	9.1	1	3.78	163
401430175	2011	8	28	14	V	7.6	1	3.69	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	28	15	V	9.1	1	3.56	164
401430175	2011	8	28	16	V	6.8	2	3.68	154
401430175	2011	8	28	17	V	2.6	1	4.02	135
401430175	2011	8	28	18	V	6.0	2	4.2	131
401430175	2011	8	28	19	V	1.6	2	3.03	125
401430175	2011	8	28	20	V	1.9	1	2.38	108
401430175	2011	8	28	21	V	1.4	1	2.15	132
401430175	2011	8	28	22	V	4.9	1	1.16	157
401430175	2011	8	28	23	V	4.8	1	2.88	161
401430175	2011	8	28	24	V	2.3	1	1.98	142
401430175	2011	8	29	1	V	8.9	1	1.45	195
401430175	2011	8	29	2	V	2.8	1	1.4	101
401430175	2011	8	29	3	V	4.4	1	2.42	134
401430175	2011	8	29	4	V	0.9	1	4.83	77
401430175	2011	8	29	5	V	0.7	1	4.97	126
401430175	2011	8	29	6	V	8.8	1	4.65	148
401430175	2011	8	29	7	V	8.9	1	5.58	162
401430175	2011	8	29	8	V	9.1	4	6.77	166
401430175	2011	8	29	9	V	12.0	27	8.22	174
401430175	2011	8	29	10	V	10.9	39	8.9	171
401430175	2011	8	29	11	V	11.4	28	7.03	174
401430175	2011	8	29	12	V	8.4	15	6.59	185
401430175	2011	8	29	13	V	12.5	20	6.06	199
401430175	2011	8	29	14	V	11.6	19	5.17	191
401430175	2011	8	29	15	V	10.6	13	5.11	185
401430175	2011	8	29	16	V	10.6	16	5.6	189
401430175	2011	8	29	17	V	12.7	16	4.08	193
401430175	2011	8	29	18	V	15.5	11	3.71	193
401430175	2011	8	29	19	V	13.1	4	3.08	177
401430175	2011	8	29	20	V	2.0	7	3.25	145
401430175	2011	8	29	21	V	1.7	1	2.93	152
401430175	2011	8	29	22	V	1.2	1	3	151
401430175	2011	8	29	23	V	0.8	1	2.88	148
401430175	2011	8	29	24	V	2.3	1	2.84	149
401430175	2011	8	30	1	V	5.9	1	3.27	151
401430175	2011	8	30	2	V	6.8	1	3.98	160
401430175	2011	8	30	3	V	7.1	0	3.8	158
401430175	2011	8	30	4	V	6.1	1	4.34	161
401430175	2011	8	30	5	V	4.2	0	4.07	159
401430175	2011	8	30	6	V	13.9	1	4.57	161
401430175	2011	8	30	7	V	3.6	0	4.03	156
401430175	2011	8	30	8	V	8.5	1	3.81	163
401430175	2011	8	30	9	V	3.7	-999	3.46	153
401430175	2011	8	30	10	V	8.3	-999	4.58	163
401430175	2011	8	30	11	V	11.2	18	5.77	169
401430175	2011	8	30	12	V	12.0	43	5.94	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	8	30	13	V	9.6	14	6.48	181
401430175	2011	8	30	14	V	12.8	21	5.68	172
401430175	2011	8	30	15	V	9.5	13	6.67	180
401430175	2011	8	30	16	V	10.7	21	7.14	179
401430175	2011	8	30	17	V	13.2	12	6.48	174
401430175	2011	8	30	18	V	7.3	5	5.12	154
401430175	2011	8	30	19	V	2.1	1	4.61	148
401430175	2011	8	30	20	V	2.5	1	3.73	152
401430175	2011	8	30	21	V	1.6	2	3.24	148
401430175	2011	8	30	22	V	1.0	2	2.59	148
401430175	2011	8	30	23	V	0.7	2	2.54	151
401430175	2011	8	30	24	V	9.8	2	2.71	165
401430175	2011	8	31	1	V	12.2	8	3.12	181
401430175	2011	8	31	2	V	10.2	13	3.05	180
401430175	2011	8	31	3	V	12.3	10	3.12	179
401430175	2011	8	31	4	V	12.9	9	3.47	171
401430175	2011	8	31	5	V	8.5	11	3.08	179
401430175	2011	8	31	6	V	20.6	10	3.29	170
401430175	2011	8	31	7	V	14.9	10	3.12	173
401430175	2011	8	31	8	V	11.4	35	3.54	171
401430175	2011	8	31	9	V	7.5	6	4.85	187
401430175	2011	8	31	10	V	7.0	15	5.87	190
401430175	2011	8	31	11	V	11.5	35	5.9	199
401430175	2011	8	31	12	V	10.8	19	6.58	197
401430175	2011	8	31	13	V	10.4	20	6.43	195
401430175	2011	8	31	14	V	10.2	10	6.31	184
401430175	2011	8	31	15	V	8.9	12	6.46	187
401430175	2011	8	31	16	V	9.8	18	6.31	184
401430175	2011	8	31	17	V	10.6	13	6.28	180
401430175	2011	8	31	18	V	14.2	21	5.72	181
401430175	2011	8	31	19	V	10.8	36	3.51	175
401430175	2011	8	31	20	V	14.9	18	3.05	170
401430175	2011	8	31	21	V	8.6	5	2.54	178
401430175	2011	8	31	22	V	2.4	15	2.1	185
401430175	2011	8	31	23	V	5.8	7	1.38	197
401430175	2011	8	31	24	V	4.0	7	1.47	188
401430175	2011	9	1	1	V	12.0	14	1.93	178
401430175	2011	9	1	2	V	11.0	17	2.15	178
401430175	2011	9	1	3	V	13.9	7	2.1	167
401430175	2011	9	1	4	V	1.8	3	1.3	96
401430175	2011	9	1	5	V	2.2	4	1.16	124
401430175	2011	9	1	6	C	-999	2	0	0
401430175	2011	9	1	7	V	14.4	1	1.96	166
401430175	2011	9	1	8	V	13.0	10	2.5	178
401430175	2011	9	1	9	V	11.6	7	4.37	195
401430175	2011	9	1	10	V	14.6	21	3.41	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	1	11	V	13.9	16	3.12	206
401430175	2011	9	1	12	V	12.1	7	5	188
401430175	2011	9	1	13	V	14.4	13	4.77	186
401430175	2011	9	1	14	V	12.2	7	4.71	186
401430175	2011	9	1	15	V	11.5	7	4.14	185
401430175	2011	9	1	16	V	9.6	5	4.39	167
401430175	2011	9	1	17	V	12.2	8	5.45	166
401430175	2011	9	1	18	V	12.9	3	4.9	164
401430175	2011	9	1	19	V	4.9	1	3.44	157
401430175	2011	9	1	20	V	2.7	1	2.81	148
401430175	2011	9	1	21	V	2.2	1	3.54	147
401430175	2011	9	1	22	V	14.2	1	2.23	167
401430175	2011	9	1	23	V	26.5	1	1.57	174
401430175	2011	9	1	24	V	6.8	1	1.2	158
401430175	2011	9	2	1	V	43.5	2	0.89	217
401430175	2011	9	2	2	V	19.9	2	1.67	176
401430175	2011	9	2	3	V	18.0	10	1.2	212
401430175	2011	9	2	4	C	-999	20	0	0
401430175	2011	9	2	5	V	46.3	9	0.53	227
401430175	2011	9	2	6	C	-999	9	0	0
401430175	2011	9	2	7	C	-999	6	0	0
401430175	2011	9	2	8	V	11.1	4	0.91	259
401430175	2011	9	2	9	V	12.7	14	2.96	193
401430175	2011	9	2	10	V	11.1	8	4.7	192
401430175	2011	9	2	11	V	12.8	11	4.36	189
401430175	2011	9	2	12	V	10.7	9	4.48	180
401430175	2011	9	2	13	V	14.5	3	4	179
401430175	2011	9	2	14	V	9.6	2	4.17	173
401430175	2011	9	2	15	V	5.1	3	4.8	148
401430175	2011	9	2	16	V	9.0	1	3.91	166
401430175	2011	9	2	17	V	7.9	1	3.98	150
401430175	2011	9	2	18	V	4.6	1	4.41	137
401430175	2011	9	2	19	V	2.3	1	3.78	125
401430175	2011	9	2	20	V	2.6	1	2.22	131
401430175	2011	9	2	21	V	2.1	1	2.44	144
401430175	2011	9	2	22	V	2.3	1	2.03	142
401430175	2011	9	2	23	V	2.4	0	2.28	138
401430175	2011	9	2	24	V	2.0	1	2.71	144
401430175	2011	9	3	1	V	1.3	0	2.67	148
401430175	2011	9	3	2	V	13.5	1	1.69	165
401430175	2011	9	3	3	V	27.0	1	1.33	176
401430175	2011	9	3	4	V	27.4	1	1.55	173
401430175	2011	9	3	5	V	10.4	0	1.31	200
401430175	2011	9	3	6	V	43.0	1	1.03	221
401430175	2011	9	3	7	V	17.1	3	1.3	231
401430175	2011	9	3	8	V	20.5	11	1.82	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	3	9	V	11.4	6	2.54	183
401430175	2011	9	3	10	V	11.2	14	3.47	190
401430175	2011	9	3	11	V	12.0	11	3.4	189
401430175	2011	9	3	12	V	7.5	2	2.33	172
401430175	2011	9	3	13	V	6.5	1	3.08	113
401430175	2011	9	3	14	V	5.5	1	2.03	114
401430175	2011	9	3	15	V	3.5	0	3.3	111
401430175	2011	9	3	16	V	4.0	0	3.47	101
401430175	2011	9	3	17	V	5.3	1	3.29	118
401430175	2011	9	3	18	V	4.7	2	3.44	111
401430175	2011	9	3	19	V	2.3	2	3.25	98
401430175	2011	9	3	20	V	2.6	1	2.71	100
401430175	2011	9	3	21	V	2.4	0	1.65	154
401430175	2011	9	3	22	V	2.7	1	1.14	113
401430175	2011	9	3	23	V	2.5	1	1.55	113
401430175	2011	9	3	24	V	2.0	1	1.77	15
401430175	2011	9	4	1	V	1.4	1	3.13	13
401430175	2011	9	4	2	V	1.7	0	4.12	2
401430175	2011	9	4	3	V	1.4	0	6.14	14
401430175	2011	9	4	4	V	2.0	1	6.26	17
401430175	2011	9	4	5	V	2.2	1	6.07	17
401430175	2011	9	4	6	V	1.9	1	6.01	15
401430175	2011	9	4	7	V	2.0	0	6.02	11
401430175	2011	9	4	8	V	2.8	0	6.47	7
401430175	2011	9	4	9	V	1.7	0	6.82	11
401430175	2011	9	4	10	V	1.6	0	7.86	22
401430175	2011	9	4	11	V	2.8	0	7.59	23
401430175	2011	9	4	12	V	2.9	0	6.55	18
401430175	2011	9	4	13	V	5.5	0	6.21	16
401430175	2011	9	4	14	V	3.1	1	7.71	24
401430175	2011	9	4	15	V	2.5	1	7.23	21
401430175	2011	9	4	16	V	3.1	0	6.16	10
401430175	2011	9	4	17	V	4.5	0	5.92	13
401430175	2011	9	4	18	V	4.2	0	5.82	12
401430175	2011	9	4	19	V	2.7	0	5.87	16
401430175	2011	9	4	20	V	2.8	0	4.39	10
401430175	2011	9	4	21	V	2.2	0	3.95	14
401430175	2011	9	4	22	V	2.4	0	4.27	15
401430175	2011	9	4	23	V	2.5	0	3.91	15
401430175	2011	9	4	24	V	2.1	0	3.78	14
401430175	2011	9	5	1	V	1.4	0	3.86	10
401430175	2011	9	5	2	V	1.8	0	4.51	10
401430175	2011	9	5	3	V	1.2	0	4.51	12
401430175	2011	9	5	4	V	1.7	0	4.34	10
401430175	2011	9	5	5	V	1.9	0	4.17	13
401430175	2011	9	5	6	V	1.6	0	3.91	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	5	7	V	1.7	0	3.93	17
401430175	2011	9	5	8	V	2.9	0	4.37	21
401430175	2011	9	5	9	V	1.8	0	4.59	19
401430175	2011	9	5	10	V	1.7	1	5.31	19
401430175	2011	9	5	11	V	2.9	0	6.26	27
401430175	2011	9	5	12	V	3.0	0	6.09	15
401430175	2011	9	5	13	V	5.6	0	6.07	26
401430175	2011	9	5	14	V	3.3	0	6.01	26
401430175	2011	9	5	15	V	2.6	0	5.02	17
401430175	2011	9	5	16	V	3.2	0	5.28	20
401430175	2011	9	5	17	V	4.5	0	4.88	14
401430175	2011	9	5	18	V	4.3	0	4.58	17
401430175	2011	9	5	19	V	2.4	0	3	25
401430175	2011	9	5	20	V	2.7	0	1.81	13
401430175	2011	9	5	21	V	2.2	0	1.54	10
401430175	2011	9	5	22	V	2.4	0	1.53	11
401430175	2011	9	5	23	V	2.4	0	1.67	12
401430175	2011	9	5	24	V	1.9	0	2.49	30
401430175	2011	9	6	1	V	1.3	0	2.49	26
401430175	2011	9	6	2	V	1.7	0	1.33	357
401430175	2011	9	6	3	V	1.1	0	1.47	353
401430175	2011	9	6	4	V	1.6	0	1.59	3
401430175	2011	9	6	5	V	2.0	0	1.26	1
401430175	2011	9	6	6	V	1.8	0	1.16	10
401430175	2011	9	6	7	V	1.7	0	1.4	13
401430175	2011	9	6	8	V	3.7	0	2.27	30
401430175	2011	9	6	9	V	1.9	2	3.3	80
401430175	2011	9	6	10	V	2.5	2	2.47	87
401430175	2011	9	6	11	V	3.5	2	3.05	65
401430175	2011	9	6	12	V	4.6	-999	2.11	49
401430175	2011	9	6	13	V	6.5	-999	2.4	9
401430175	2011	9	6	14	V	4.4	-999	2.84	44
401430175	2011	9	6	15	V	3.6	1	2.86	40
401430175	2011	9	6	16	V	4.1	1	2.32	23
401430175	2011	9	6	17	V	4.9	1	2.74	18
401430175	2011	9	6	18	V	4.5	1	3.2	30
401430175	2011	9	6	19	V	2.4	3	1.5	19
401430175	2011	9	6	20	V	3.5	1	0.77	342
401430175	2011	9	6	21	V	4.3	1	0.67	293
401430175	2011	9	6	22	V	9.8	1	0.52	258
401430175	2011	9	6	23	V	6.0	1	0.58	323
401430175	2011	9	6	24	V	2.0	1	2.01	11
401430175	2011	9	7	1	V	1.3	1	2.11	11
401430175	2011	9	7	2	V	1.8	1	1.3	8
401430175	2011	9	7	3	V	1.0	0	1.91	9
401430175	2011	9	7	4	V	1.6	0	1.96	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	7	5	C	-999	0	0	0
401430175	2011	9	7	6	V	1.6	0	1.45	20
401430175	2011	9	7	7	V	2.0	0	1.03	335
401430175	2011	9	7	8	V	4.6	0	1.65	34
401430175	2011	9	7	9	V	3.2	0	1.6	10
401430175	2011	9	7	10	V	3.0	0	1.81	7
401430175	2011	9	7	11	V	4.2	1	2.16	26
401430175	2011	9	7	12	V	3.7	2	3.32	31
401430175	2011	9	7	13	V	6.1	1	3.3	11
401430175	2011	9	7	14	V	3.8	0	3.18	10
401430175	2011	9	7	15	V	3.0	0	3.42	15
401430175	2011	9	7	16	V	3.8	0	2.86	13
401430175	2011	9	7	17	V	4.7	0	3.61	12
401430175	2011	9	7	18	V	4.4	0	3.18	8
401430175	2011	9	7	19	V	2.3	0	1.91	352
401430175	2011	9	7	20	V	2.8	0	1.14	328
401430175	2011	9	7	21	V	3.6	0	0.74	284
401430175	2011	9	7	22	V	4.7	0	0.65	269
401430175	2011	9	7	23	V	14.3	0	0.58	246
401430175	2011	9	7	24	V	8.4	0	0.52	283
401430175	2011	9	8	1	V	5.2	0	0.58	261
401430175	2011	9	8	2	V	45.6	0	0.79	225
401430175	2011	9	8	3	V	1.5	0	1.03	25
401430175	2011	9	8	4	V	7.2	0	0.53	277
401430175	2011	9	8	5	V	41.5	0	0.96	226
401430175	2011	9	8	6	V	4.4	0	0.63	283
401430175	2011	9	8	7	C	-999	1	0	0
401430175	2011	9	8	8	V	3.3	1	2.42	23
401430175	2011	9	8	9	V	1.9	1	3.68	10
401430175	2011	9	8	10	V	2.1	1	3.25	17
401430175	2011	9	8	11	V	3.4	1	3.54	28
401430175	2011	9	8	12	V	3.6	1	3.05	12
401430175	2011	9	8	13	V	6.1	1	3.3	16
401430175	2011	9	8	14	V	3.7	1	3.49	22
401430175	2011	9	8	15	V	3.2	0	3.07	14
401430175	2011	9	8	16	V	3.9	0	2.95	25
401430175	2011	9	8	17	V	4.9	0	3.27	18
401430175	2011	9	8	18	V	4.5	0	2.95	15
401430175	2011	9	8	19	V	2.4	0	1.48	359
401430175	2011	9	8	20	V	3.2	0	0.86	313
401430175	2011	9	8	21	V	5.3	0	0.6	289
401430175	2011	9	8	22	V	40.9	0	0.65	211
401430175	2011	9	8	23	C	-999	0	0	0
401430175	2011	9	8	24	C	-999	0	0	0
401430175	2011	9	9	1	V	3.1	0	0.72	351
401430175	2011	9	9	2	V	6.0	0	0.55	313

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	9	3	V	6.8	0	0.53	98
401430175	2011	9	9	4	C	-999	0	0	0
401430175	2011	9	9	5	C	-999	0	0	0
401430175	2011	9	9	6	V	32.1	1	0.62	234
401430175	2011	9	9	7	V	5.7	1	0.57	265
401430175	2011	9	9	8	C	-999	1	0	0
401430175	2011	9	9	9	V	6.2	1	1.35	56
401430175	2011	9	9	10	V	3.1	1	1.93	1
401430175	2011	9	9	11	V	4.1	0	2.35	304
401430175	2011	9	9	12	V	4.0	0	2.61	354
401430175	2011	9	9	13	V	6.9	0	2.28	359
401430175	2011	9	9	14	V	4.8	0	2.16	18
401430175	2011	9	9	15	V	3.0	0	3.12	357
401430175	2011	9	9	16	V	4.5	0	2.49	51
401430175	2011	9	9	17	V	7.5	1	1.18	277
401430175	2011	9	9	18	V	15.7	1	1.28	202
401430175	2011	9	9	19	V	2.8	0	1.2	246
401430175	2011	9	9	20	V	2.8	1	1.28	266
401430175	2011	9	9	21	V	2.4	0	1.08	310
401430175	2011	9	9	22	V	35.6	0	0.8	208
401430175	2011	9	9	23	V	7.2	0	0.6	255
401430175	2011	9	9	24	V	2.6	0	0.96	280
401430175	2011	9	10	1	V	1.5	0	1.2	305
401430175	2011	9	10	2	V	1.6	0	1.76	338
401430175	2011	9	10	3	V	1.3	0	1.21	335
401430175	2011	9	10	4	V	4.5	0	0.63	275
401430175	2011	9	10	5	V	2.3	0	0.99	264
401430175	2011	9	10	6	V	3.3	2	0.7	285
401430175	2011	9	10	7	V	41.1	1	0.82	228
401430175	2011	9	10	8	V	19.7	0	0.97	232
401430175	2011	9	10	9	V	2.1	0	2.52	309
401430175	2011	9	10	10	V	2.3	0	2.56	319
401430175	2011	9	10	11	V	3.4	0	3.35	315
401430175	2011	9	10	12	V	3.5	0	3.01	301
401430175	2011	9	10	13	V	6.7	0	2.72	291
401430175	2011	9	10	14	V	3.7	0	3.49	358
401430175	2011	9	10	15	V	5.0	0	1.54	88
401430175	2011	9	10	16	V	5.4	0	1.99	36
401430175	2011	9	10	17	V	5.8	0	2.33	23
401430175	2011	9	10	18	V	5.3	0	1.74	356
401430175	2011	9	10	19	V	2.3	0	1.72	343
401430175	2011	9	10	20	V	3.0	0	0.99	324
401430175	2011	9	10	21	V	3.6	0	0.72	293
401430175	2011	9	10	22	V	5.2	0	0.63	334
401430175	2011	9	10	23	V	8.8	0	0.52	285
401430175	2011	9	10	24	V	2.3	0	1.13	355

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	11	1	V	1.9	0	0.94	267
401430175	2011	9	11	2	V	1.6	0	1.88	359
401430175	2011	9	11	3	V	1.1	0	1.5	348
401430175	2011	9	11	4	V	2.9	0	0.75	263
401430175	2011	9	11	5	V	5.1	0	0.6	268
401430175	2011	9	11	6	C	-999	0	0	0
401430175	2011	9	11	7	V	1.9	0	1.08	325
401430175	2011	9	11	8	V	3.2	0	2.4	12
401430175	2011	9	11	9	V	2.3	1	2.28	11
401430175	2011	9	11	10	V	2.2	1	2.84	22
401430175	2011	9	11	11	V	3.6	1	2.76	14
401430175	2011	9	11	12	V	3.6	1	3.1	11
401430175	2011	9	11	13	V	6.1	0	3.23	14
401430175	2011	9	11	14	V	3.6	0	3.98	20
401430175	2011	9	11	15	V	3.0	0	3.69	21
401430175	2011	9	11	16	V	4.0	0	2.98	28
401430175	2011	9	11	17	V	5.6	0	2.71	54
401430175	2011	9	11	18	V	8.2	1	0.87	39
401430175	2011	9	11	19	V	2.5	1	1.23	80
401430175	2011	9	11	20	C	-999	1	0	0
401430175	2011	9	11	21	V	3.4	1	0.75	267
401430175	2011	9	11	22	V	5.8	1	0.6	285
401430175	2011	9	11	23	C	-999	1	0	0
401430175	2011	9	11	24	V	10.8	1	0.57	250
401430175	2011	9	12	1	C	-999	1	0	0
401430175	2011	9	12	2	C	-999	1	0	0
401430175	2011	9	12	3	V	7.8	1	0.52	261
401430175	2011	9	12	4	C	-999	1	0	0
401430175	2011	9	12	5	V	4.7	1	0.62	306
401430175	2011	9	12	6	V	31.1	1	0.65	234
401430175	2011	9	12	7	C	-999	1	0	0
401430175	2011	9	12	8	V	13.7	2	0.69	111
401430175	2011	9	12	9	V	15.5	7	1.04	177
401430175	2011	9	12	10	V	10.1	6	2.71	181
401430175	2011	9	12	11	V	12.6	8	3.78	192
401430175	2011	9	12	12	V	12.9	7	3.71	193
401430175	2011	9	12	13	V	12.1	14	3.49	175
401430175	2011	9	12	14	V	13.6	13	3.15	201
401430175	2011	9	12	15	V	10.5	7	3.49	180
401430175	2011	9	12	16	V	12.7	10	3.83	184
401430175	2011	9	12	17	V	14.1	10	3.98	177
401430175	2011	9	12	18	V	15.1	21	4.09	180
401430175	2011	9	12	19	V	12.4	17	2.93	166
401430175	2011	9	12	20	V	2.7	1	2.78	151
401430175	2011	9	12	21	V	9.3	0	2.79	164
401430175	2011	9	12	22	V	11.9	0	1.31	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	12	23	V	10.6	1	2.38	178
401430175	2011	9	12	24	V	5.2	1	2.32	182
401430175	2011	9	13	1	V	2.3	4	2.08	186
401430175	2011	9	13	2	V	4.9	1	1.6	184
401430175	2011	9	13	3	V	15.6	1	1.5	165
401430175	2011	9	13	4	V	3.3	1	1.84	159
401430175	2011	9	13	5	V	1.8	1	2.22	151
401430175	2011	9	13	6	V	1.5	1	2.91	86
401430175	2011	9	13	7	V	1.6	1	3.13	117
401430175	2011	9	13	8	V	3.1	4	2.86	119
401430175	2011	9	13	9	V	2.1	5	3.37	139
401430175	2011	9	13	10	V	3.6	2	4.32	152
401430175	2011	9	13	11	V	3.7	1	4.51	144
401430175	2011	9	13	12	V	9.2	7	4.37	168
401430175	2011	9	13	13	V	11.1	4	3.81	170
401430175	2011	9	13	14	V	6.3	9	2.32	206
401430175	2011	9	13	15	V	5.1	11	1.62	38
401430175	2011	9	13	16	V	6.1	7	1.7	45
401430175	2011	9	13	17	V	5.6	3	2.81	71
401430175	2011	9	13	18	V	4.7	1	2.83	85
401430175	2011	9	13	19	V	2.3	2	2.5	64
401430175	2011	9	13	20	V	2.7	2	1.68	7
401430175	2011	9	13	21	V	2.1	2	1.86	16
401430175	2011	9	13	22	V	2.3	2	2.49	11
401430175	2011	9	13	23	V	2.4	1	2.61	14
401430175	2011	9	13	24	V	2.1	1	3.52	10
401430175	2011	9	14	1	V	1.4	1	3.22	359
401430175	2011	9	14	2	V	1.8	1	4.53	11
401430175	2011	9	14	3	V	1.2	1	4.36	9
401430175	2011	9	14	4	V	1.8	1	4.17	356
401430175	2011	9	14	5	V	1.9	1	3.22	341
401430175	2011	9	14	6	V	1.6	1	3.29	359
401430175	2011	9	14	7	V	1.7	1	4.19	7
401430175	2011	9	14	8	V	2.9	1	4.09	352
401430175	2011	9	14	9	V	1.8	1	5.29	8
401430175	2011	9	14	10	V	1.6	1	6.69	17
401430175	2011	9	14	11	V	2.9	1	6.86	13
401430175	2011	9	14	12	V	2.9	1	6.69	22
401430175	2011	9	14	13	V	5.5	0	7.13	20
401430175	2011	9	14	14	V	3.1	0	7.4	26
401430175	2011	9	14	15	V	2.5	0	7.13	25
401430175	2011	9	14	16	V	3.1	0	7.79	32
401430175	2011	9	14	17	V	4.4	0	8.25	34
401430175	2011	9	14	18	V	4.2	0	7.14	29
401430175	2011	9	14	19	V	2.8	3	6.02	37
401430175	2011	9	14	20	V	4.1	2	5.56	45

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	14	21	V	2.4	0	4.77	52
401430175	2011	9	14	22	V	2.9	0	4.99	50
401430175	2011	9	14	23	V	3.8	0	5.63	46
401430175	2011	9	14	24	V	2.8	0	5.72	49
401430175	2011	9	15	1	V	2.9	0	5.11	43
401430175	2011	9	15	2	V	3.2	0	4.87	43
401430175	2011	9	15	3	V	2.4	0	4.6	47
401430175	2011	9	15	4	V	1.6	0	2.91	30
401430175	2011	9	15	5	V	1.9	0	3.3	29
401430175	2011	9	15	6	V	1.6	0	3.86	25
401430175	2011	9	15	7	V	1.6	0	4.87	30
401430175	2011	9	15	8	V	3.3	0	5.85	39
401430175	2011	9	15	9	V	2.0	0	5.09	52
401430175	2011	9	15	10	V	2.9	0	4.49	48
401430175	2011	9	15	11	V	3.0	0	4.77	33
401430175	2011	9	15	12	V	4.1	0	5.29	45
401430175	2011	9	15	13	V	6.4	0	4.82	49
401430175	2011	9	15	14	V	3.3	0	3.56	59
401430175	2011	9	15	15	V	3.7	0	3.68	41
401430175	2011	9	15	16	V	4.4	0	3.29	41
401430175	2011	9	15	17	V	4.5	0	3.3	69
401430175	2011	9	15	18	V	4.1	0	2.5	86
401430175	2011	9	15	19	V	2.3	0	3.2	56
401430175	2011	9	15	20	V	3.3	0	3.15	39
401430175	2011	9	15	21	V	2.2	0	1.84	20
401430175	2011	9	15	22	V	2.4	0	1.26	3
401430175	2011	9	15	23	V	2.5	0	1.93	16
401430175	2011	9	15	24	V	2.1	0	2.1	27
401430175	2011	9	16	1	V	1.3	0	1.64	23
401430175	2011	9	16	2	V	3.9	0	2.96	44
401430175	2011	9	16	3	V	1.0	0	1.81	31
401430175	2011	9	16	4	V	1.6	0	1.76	31
401430175	2011	9	16	5	V	1.8	0	1.74	85
401430175	2011	9	16	6	V	1.6	0	2.03	123
401430175	2011	9	16	7	V	1.6	0	1.96	128
401430175	2011	9	16	8	V	2.9	0	3.32	133
401430175	2011	9	16	9	V	1.8	0	3.34	131
401430175	2011	9	16	10	V	1.7	0	3.73	133
401430175	2011	9	16	11	V	2.9	0	3.73	129
401430175	2011	9	16	12	V	2.9	0	3.71	121
401430175	2011	9	16	13	V	5.6	0	3.34	97
401430175	2011	9	16	14	V	3.2	0	4.07	116
401430175	2011	9	16	15	V	2.5	0	3.46	139
401430175	2011	9	16	16	V	3.1	0	3.54	138
401430175	2011	9	16	17	V	4.4	0	3.46	140
401430175	2011	9	16	18	V	4.2	0	3.56	133

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	16	19	V	2.4	0	2.98	131
401430175	2011	9	16	20	V	2.7	0	2.61	127
401430175	2011	9	16	21	V	2.2	0	2.93	124
401430175	2011	9	16	22	V	2.3	0	3.2	130
401430175	2011	9	16	23	V	2.4	0	2.3	132
401430175	2011	9	16	24	V	2.0	0	2.49	132
401430175	2011	9	17	1	V	1.4	0	2.55	124
401430175	2011	9	17	2	V	1.6	0	2.91	127
401430175	2011	9	17	3	V	1.1	0	2.95	125
401430175	2011	9	17	4	V	1.6	0	2.98	105
401430175	2011	9	17	5	V	1.9	0	3.08	119
401430175	2011	9	17	6	V	1.6	0	2.96	121
401430175	2011	9	17	7	V	1.5	0	2.18	122
401430175	2011	9	17	8	V	3.5	0	2.38	139
401430175	2011	9	17	9	V	4.6	0	3.03	154
401430175	2011	9	17	10	V	2.3	0	2.5	145
401430175	2011	9	17	11	V	3.2	0	2.2	129
401430175	2011	9	17	12	V	3.0	0	3.58	107
401430175	2011	9	17	13	V	5.6	0	4.24	81
401430175	2011	9	17	14	V	3.4	1	4	78
401430175	2011	9	17	15	V	2.5	1	5.19	117
401430175	2011	9	17	16	V	3.1	1	5.97	116
401430175	2011	9	17	17	V	4.4	1	5.46	119
401430175	2011	9	17	18	V	4.1	1	5.95	134
401430175	2011	9	17	19	V	2.4	1	6.35	133
401430175	2011	9	17	20	V	2.7	3	4.82	136
401430175	2011	9	17	21	V	2.3	2	3.13	262
401430175	2011	9	17	22	V	20.0	1	2.15	227
401430175	2011	9	17	23	V	2.4	1	2.67	130
401430175	2011	9	17	24	V	2.0	0	3.17	130
401430175	2011	9	18	1	V	1.3	1	3.73	128
401430175	2011	9	18	2	V	14.2	3	4.94	169
401430175	2011	9	18	3	V	10.8	11	3.78	170
401430175	2011	9	18	4	V	14.6	3	3.2	171
401430175	2011	9	18	5	V	2.3	0	3.64	152
401430175	2011	9	18	6	V	1.5	0	3.61	141
401430175	2011	9	18	7	V	1.7	0	2.96	146
401430175	2011	9	18	8	V	12.9	2	2.45	166
401430175	2011	9	18	9	V	11.3	3	1.74	163
401430175	2011	9	18	10	V	10.7	5	2.67	177
401430175	2011	9	18	11	V	3.6	0	2.64	140
401430175	2011	9	18	12	V	3.5	0	2.1	108
401430175	2011	9	18	13	V	19.8	0	2.13	199
401430175	2011	9	18	14	V	3.9	0	2.15	276
401430175	2011	9	18	15	V	2.9	1	2.67	1
401430175	2011	9	18	16	V	3.2	0	4.07	354

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	18	17	V	4.6	0	3.07	349
401430175	2011	9	18	18	V	4.3	0	2.81	348
401430175	2011	9	18	19	V	2.3	0	2.22	9
401430175	2011	9	18	20	V	2.7	0	1.71	1
401430175	2011	9	18	21	V	2.2	0	1.57	345
401430175	2011	9	18	22	V	2.3	0	2.15	346
401430175	2011	9	18	23	V	2.5	0	1.99	5
401430175	2011	9	18	24	V	2.0	0	1.94	338
401430175	2011	9	19	1	V	1.3	0	1.84	345
401430175	2011	9	19	2	V	1.6	0	2.2	339
401430175	2011	9	19	3	V	1.0	0	1.91	344
401430175	2011	9	19	4	V	1.7	0	1.37	345
401430175	2011	9	19	5	V	2.6	0	0.92	332
401430175	2011	9	19	6	V	2.9	0	0.77	275
401430175	2011	9	19	7	V	2.5	0	0.84	327
401430175	2011	9	19	8	V	5.6	0	1.13	347
401430175	2011	9	19	9	V	2.0	0	2.81	13
401430175	2011	9	19	10	V	1.8	0	4.51	14
401430175	2011	9	19	11	V	3.1	0	4.43	12
401430175	2011	9	19	12	V	3.2	0	4.1	8
401430175	2011	9	19	13	V	5.7	0	4.44	8
401430175	2011	9	19	14	V	3.3	0	4.83	14
401430175	2011	9	19	15	V	2.7	0	4.27	20
401430175	2011	9	19	16	V	3.4	0	4.37	27
401430175	2011	9	19	17	V	5.5	1	4.09	40
401430175	2011	9	19	18	V	4.6	2	3.25	54
401430175	2011	9	19	19	V	2.8	2	0.89	6
401430175	2011	9	19	20	V	17.9	1	0.55	242
401430175	2011	9	19	21	C	-999	0	0	0
401430175	2011	9	19	22	C	-999	1	0	0
401430175	2011	9	19	23	V	7.1	2	0.55	274
401430175	2011	9	19	24	C	-999	1	0	0
401430175	2011	9	20	1	C	-999	1	0	0
401430175	2011	9	20	2	C	-999	1	0	0
401430175	2011	9	20	3	C	-999	1	0	0
401430175	2011	9	20	4	C	-999	1	0	0
401430175	2011	9	20	5	V	5.4	1	0.58	268
401430175	2011	9	20	6	C	-999	1	0	0
401430175	2011	9	20	7	C	-999	2	0	0
401430175	2011	9	20	8	V	20.0	2	0.72	200
401430175	2011	9	20	9	V	19.4	5	1.2	190
401430175	2011	9	20	10	V	10.4	11	2.71	183
401430175	2011	9	20	11	V	12.2	5	3.59	189
401430175	2011	9	20	12	V	12.0	8	3.39	189
401430175	2011	9	20	13	V	14.1	7	2.69	192
401430175	2011	9	20	14	V	9.0	3	2.16	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	20	15	V	4.0	3	2.1	114
401430175	2011	9	20	16	V	4.6	1	3	137
401430175	2011	9	20	17	V	9.3	0	3.15	155
401430175	2011	9	20	18	V	4.3	0	3.1	125
401430175	2011	9	20	19	V	2.3	0	1.98	106
401430175	2011	9	20	20	V	4.6	0	0.6	339
401430175	2011	9	20	21	C	-999	0	0	0
401430175	2011	9	20	22	C	-999	1	0	0
401430175	2011	9	20	23	V	9.0	2	0.63	249
401430175	2011	9	20	24	V	3.9	2	0.69	287
401430175	2011	9	21	1	V	1.9	1	0.94	265
401430175	2011	9	21	2	V	5.1	1	0.6	296
401430175	2011	9	21	3	V	1.3	4	1.13	315
401430175	2011	9	21	4	V	1.6	3	2.45	7
401430175	2011	9	21	5	V	1.8	0	2.03	2
401430175	2011	9	21	6	V	1.6	0	3.56	8
401430175	2011	9	21	7	V	1.8	0	4.75	16
401430175	2011	9	21	8	V	2.9	0	4.68	25
401430175	2011	9	21	9	V	1.8	1	4.63	26
401430175	2011	9	21	10	V	2.7	6	6.09	39
401430175	2011	9	21	11	V	4.3	12	6.07	44
401430175	2011	9	21	12	V	3.0	3	5.24	70
401430175	2011	9	21	13	V	5.8	0	4.32	66
401430175	2011	9	21	14	V	4.1	2	4.24	36
401430175	2011	9	21	15	V	2.7	2	4.88	26
401430175	2011	9	21	16	V	3.3	1	5.12	26
401430175	2011	9	21	17	V	4.5	0	5.22	22
401430175	2011	9	21	18	V	4.2	0	6.05	29
401430175	2011	9	21	19	V	2.5	0	4.82	18
401430175	2011	9	21	20	V	2.9	0	5.04	16
401430175	2011	9	21	21	V	2.4	0	5.34	13
401430175	2011	9	21	22	V	2.7	0	5.87	21
401430175	2011	9	21	23	V	2.8	0	5.09	29
401430175	2011	9	21	24	V	2.1	0	3.34	13
401430175	2011	9	22	1	V	1.4	0	3.08	18
401430175	2011	9	22	2	V	1.8	0	3.63	359
401430175	2011	9	22	3	V	1.2	0	3.03	357
401430175	2011	9	22	4	V	1.7	0	2.91	356
401430175	2011	9	22	5	V	1.9	0	3.18	7
401430175	2011	9	22	6	V	1.7	0	2.18	341
401430175	2011	9	22	7	V	1.9	0	0.92	347
401430175	2011	9	22	8	V	3.8	0	1.45	23
401430175	2011	9	22	9	V	2.1	0	2.33	350
401430175	2011	9	22	10	V	1.9	0	3.46	19
401430175	2011	9	22	11	V	3.2	-999	2.54	21
401430175	2011	9	22	12	V	3.1	0	3	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	22	13	V	5.9	0	2.52	9
401430175	2011	9	22	14	V	4.6	1	2.03	22
401430175	2011	9	22	15	V	4.0	4	2.5	34
401430175	2011	9	22	16	V	4.7	6	2.33	53
401430175	2011	9	22	17	V	5.5	7	2.08	26
401430175	2011	9	22	18	V	7.7	4	1.84	48
401430175	2011	9	22	19	V	4.4	2	0.53	8
401430175	2011	9	22	20	V	49.3	1	0.53	224
401430175	2011	9	22	21	V	2.3	1	1.23	283
401430175	2011	9	22	22	V	17.0	1	0.79	238
401430175	2011	9	22	23	V	46.0	1	0.74	219
401430175	2011	9	22	24	V	44.7	1	0.77	226
401430175	2011	9	23	1	V	42.5	1	0.58	210
401430175	2011	9	23	2	V	42.3	1	0.65	208
401430175	2011	9	23	3	M	-999	0	0.7	202
401430175	2011	9	23	4	M	-999	0	0.75	232
401430175	2011	9	23	5	M	-999	0	0.75	228
401430175	2011	9	23	6	M	-999	1	0.72	237
401430175	2011	9	23	7	C	-999	1	0	0
401430175	2011	9	23	8	V	18.9	1	0.74	191
401430175	2011	9	23	9	V	17.3	5	1.55	188
401430175	2011	9	23	10	V	11.9	19	2.89	191
401430175	2011	9	23	11	V	11.4	8	4.26	190
401430175	2011	9	23	12	V	10.4	10	5.43	186
401430175	2011	9	23	13	V	13.4	11	5.51	188
401430175	2011	9	23	14	V	12.5	7	5.26	191
401430175	2011	9	23	15	V	14.4	17	5.09	198
401430175	2011	9	23	16	V	18.8	18	4.41	205
401430175	2011	9	23	17	V	21.9	27	3.35	215
401430175	2011	9	23	18	V	28.1	17	1.69	211
401430175	2011	9	23	19	V	14.7	4	0.63	242
401430175	2011	9	23	20	V	4.6	3	0.57	272
401430175	2011	9	23	21	V	9.5	2	0.63	248
401430175	2011	9	23	22	V	2.7	2	1.08	259
401430175	2011	9	23	23	V	14.0	1	1.28	211
401430175	2011	9	23	24	V	44.7	1	0.82	226
401430175	2011	9	24	1	V	46.9	1	0.8	220
401430175	2011	9	24	2	C	-999	1	0	0
401430175	2011	9	24	3	V	2.9	1	0.77	253
401430175	2011	9	24	4	V	3.4	0	0.69	312
401430175	2011	9	24	5	V	2.2	0	1.09	360
401430175	2011	9	24	6	V	2.1	0	1.03	251
401430175	2011	9	24	7	C	-999	0	0	0
401430175	2011	9	24	8	V	19.1	0	0.67	200
401430175	2011	9	24	9	V	13.7	1	0.86	188
401430175	2011	9	24	10	V	5.4	1	1.45	138

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	24	11	V	7.8	1	1.48	166
401430175	2011	9	24	12	V	4.9	0	2.01	122
401430175	2011	9	24	13	V	9.1	0	2.38	159
401430175	2011	9	24	14	V	10.3	2	3.07	178
401430175	2011	9	24	15	V	8.0	4	2.84	168
401430175	2011	9	24	16	V	13.6	4	3.34	187
401430175	2011	9	24	17	V	12.4	5	2.62	171
401430175	2011	9	24	18	V	4.9	2	0.75	77
401430175	2011	9	24	19	V	2.6	1	1.14	13
401430175	2011	9	24	20	V	2.7	1	3.01	21
401430175	2011	9	24	21	V	2.2	1	5.5	30
401430175	2011	9	24	22	V	2.5	1	4.61	29
401430175	2011	9	24	23	V	2.8	0	4.92	36
401430175	2011	9	24	24	V	2.2	0	4.44	35
401430175	2011	9	25	1	V	1.3	0	3.51	30
401430175	2011	9	25	2	V	1.8	1	4.48	25
401430175	2011	9	25	3	V	1.3	1	5.22	27
401430175	2011	9	25	4	V	1.9	1	5.85	28
401430175	2011	9	25	5	V	2.1	2	5.17	24
401430175	2011	9	25	6	V	1.9	2	5.73	26
401430175	2011	9	25	7	V	1.8	1	4.92	18
401430175	2011	9	25	8	V	2.9	1	4.41	12
401430175	2011	9	25	9	V	1.7	2	5.55	18
401430175	2011	9	25	10	V	1.7	4	5.19	17
401430175	2011	9	25	11	V	2.9	1	6.67	26
401430175	2011	9	25	12	V	2.9	1	6.52	18
401430175	2011	9	25	13	V	5.5	1	6.43	25
401430175	2011	9	25	14	V	3.2	1	5.31	23
401430175	2011	9	25	15	V	2.6	1	4.63	14
401430175	2011	9	25	16	V	3.3	1	3.83	9
401430175	2011	9	25	17	V	4.5	1	3.98	19
401430175	2011	9	25	18	V	4.3	1	2.74	9
401430175	2011	9	25	19	V	2.3	0	1.91	360
401430175	2011	9	25	20	V	2.7	0	1.55	348
401430175	2011	9	25	21	V	2.2	0	1.48	351
401430175	2011	9	25	22	V	3.8	0	0.74	323
401430175	2011	9	25	23	V	5.5	0	0.62	286
401430175	2011	9	25	24	V	2.1	0	1.38	7
401430175	2011	9	26	1	V	3.4	0	0.69	17
401430175	2011	9	26	2	V	5.2	0	0.6	273
401430175	2011	9	26	3	V	2.7	0	0.72	278
401430175	2011	9	26	4	V	2.3	0	0.89	302
401430175	2011	9	26	5	C	-999	1	0	0
401430175	2011	9	26	6	C	-999	1	0	0
401430175	2011	9	26	7	V	1.8	1	1.18	268
401430175	2011	9	26	8	V	22.1	1	0.84	220

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	26	9	V	16.9	8	1.77	190
401430175	2011	9	26	10	V	12.9	19	1.91	191
401430175	2011	9	26	11	V	10.3	12	2.2	176
401430175	2011	9	26	12	V	8.1	5	1.45	180
401430175	2011	9	26	13	V	7.8	14	1.6	100
401430175	2011	9	26	14	V	5.6	5	1.67	51
401430175	2011	9	26	15	V	3.5	2	2.37	72
401430175	2011	9	26	16	V	4.4	1	2.06	68
401430175	2011	9	26	17	V	6.2	0	1.45	79
401430175	2011	9	26	18	V	4.8	1	0.96	150
401430175	2011	9	26	19	C	-999	1	0	0
401430175	2011	9	26	20	V	9.1	1	0.52	338
401430175	2011	9	26	21	V	2.7	2	0.99	350
401430175	2011	9	26	22	V	2.5	2	1.26	1
401430175	2011	9	26	23	V	4.2	2	0.7	312
401430175	2011	9	26	24	C	-999	1	0	0
401430175	2011	9	27	1	V	7.8	1	0.52	284
401430175	2011	9	27	2	V	4.7	1	0.62	294
401430175	2011	9	27	3	V	1.9	1	0.87	280
401430175	2011	9	27	4	V	3.4	1	0.69	315
401430175	2011	9	27	5	V	6.4	2	0.55	266
401430175	2011	9	27	6	V	8.0	2	0.52	295
401430175	2011	9	27	7	V	3.8	2	0.69	257
401430175	2011	9	27	8	V	15.2	3	0.58	87
401430175	2011	9	27	9	V	11.1	5	0.92	69
401430175	2011	9	27	10	V	10.5	17	0.86	73
401430175	2011	9	27	11	V	4.8	9	2.21	34
401430175	2011	9	27	12	V	3.9	4	2.7	25
401430175	2011	9	27	13	V	6.9	1	2.95	37
401430175	2011	9	27	14	V	5.0	1	2.08	76
401430175	2011	9	27	15	V	5.2	1	1.42	23
401430175	2011	9	27	16	V	6.0	0	1.23	324
401430175	2011	9	27	17	V	7.5	0	1.18	331
401430175	2011	9	27	18	V	4.3	0	1.21	338
401430175	2011	9	27	19	V	2.9	0	0.96	286
401430175	2011	9	27	20	V	7.8	1	0.53	268
401430175	2011	9	27	21	V	6.4	1	0.57	15
401430175	2011	9	27	22	V	13.2	0	0.72	242
401430175	2011	9	27	23	C	-999	1	0	0
401430175	2011	9	27	24	C	-999	0	0	0
401430175	2011	9	28	1	V	39.9	1	0.65	211
401430175	2011	9	28	2	C	-999	1	0	0
401430175	2011	9	28	3	C	-999	1	0	0
401430175	2011	9	28	4	C	-999	0	0	0
401430175	2011	9	28	5	C	-999	0	0	0
401430175	2011	9	28	6	V	14.8	0	0.84	238

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	28	7	V	33.5	1	0.55	178
401430175	2011	9	28	8	C	-999	1	0	0
401430175	2011	9	28	9	V	17.9	3	1.13	192
401430175	2011	9	28	10	V	5.5	2	0.97	228
401430175	2011	9	28	11	V	9.3	4	1.81	223
401430175	2011	9	28	12	V	12.7	6	3.01	194
401430175	2011	9	28	13	V	12.2	4	3.12	176
401430175	2011	9	28	14	V	10.3	6	2.3	218
401430175	2011	9	28	15	V	10.0	-999	2.23	220
401430175	2011	9	28	16	V	13.1	4	2.3	216
401430175	2011	9	28	17	V	13.9	4	2.62	177
401430175	2011	9	28	18	V	14.7	2	1.2	163
401430175	2011	9	28	19	C	-999	1	0	0
401430175	2011	9	28	20	V	33.2	1	0.58	235
401430175	2011	9	28	21	V	8.3	1	0.6	252
401430175	2011	9	28	22	C	-999	1	0	0
401430175	2011	9	28	23	V	51.5	3	0.58	221
401430175	2011	9	28	24	V	7.5	2	0.53	278
401430175	2011	9	29	1	V	7.6	1	0.52	265
401430175	2011	9	29	2	C	-999	1	0	0
401430175	2011	9	29	3	C	-999	1	0	0
401430175	2011	9	29	4	C	-999	2	0	0
401430175	2011	9	29	5	V	2.2	2	1.07	349
401430175	2011	9	29	6	V	48.1	1	0.63	217
401430175	2011	9	29	7	C	-999	1	0	0
401430175	2011	9	29	8	V	18.2	2	1.13	189
401430175	2011	9	29	9	V	14.0	5	1.52	172
401430175	2011	9	29	10	V	7.6	8	1.64	248
401430175	2011	9	29	11	V	4.5	1	1.74	340
401430175	2011	9	29	12	V	3.7	2	2.71	8
401430175	2011	9	29	13	V	5.6	1	5.55	16
401430175	2011	9	29	14	V	3.3	1	5.85	23
401430175	2011	9	29	15	V	2.6	1	5.8	15
401430175	2011	9	29	16	V	3.2	0	6.38	13
401430175	2011	9	29	17	V	4.4	0	6.74	14
401430175	2011	9	29	18	V	4.5	0	5.12	15
401430175	2011	9	29	19	V	2.5	1	4.66	12
401430175	2011	9	29	20	V	3.0	1	5.67	13
401430175	2011	9	29	21	V	2.2	1	3.97	13
401430175	2011	9	29	22	V	2.3	0	2.49	4
401430175	2011	9	29	23	V	2.4	0	2.23	8
401430175	2011	9	29	24	V	2.0	0	2.69	10
401430175	2011	9	30	1	V	1.4	0	3.25	8
401430175	2011	9	30	2	V	1.7	0	4.17	11
401430175	2011	9	30	3	V	1.2	0	4.15	14
401430175	2011	9	30	4	V	1.7	0	3.69	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	9	30	5	V	1.9	0	3.35	15
401430175	2011	9	30	6	V	1.5	0	2.47	14
401430175	2011	9	30	7	V	1.6	0	1.96	10
401430175	2011	9	30	8	V	3.3	0	2.13	353
401430175	2011	9	30	9	V	1.8	0	3.88	13
401430175	2011	9	30	10	V	1.9	1	3.93	20
401430175	2011	9	30	11	V	3.5	2	4.26	32
401430175	2011	9	30	12	V	3.8	1	4.99	37
401430175	2011	9	30	13	V	5.7	0	4.29	16
401430175	2011	9	30	14	V	3.4	0	4.65	26
401430175	2011	9	30	15	V	2.7	0	4.07	18
401430175	2011	9	30	16	V	3.4	0	3.92	25
401430175	2011	9	30	17	V	4.7	0	3.1	18
401430175	2011	9	30	18	V	4.2	0	1.79	1
401430175	2011	9	30	19	V	2.9	0	0.87	330
401430175	2011	9	30	20	V	8.1	1	0.52	269
401430175	2011	9	30	21	C	-999	1	0	0
401430175	2011	9	30	22	C	-999	1	0	0
401430175	2011	9	30	23	V	28.9	1	0.62	236
401430175	2011	9	30	24	V	18.9	1	0.79	237
401430175	2011	10	1	1	V	3.5	0	0.65	307
401430175	2011	10	1	2	V	1.9	1	1.08	305
401430175	2011	10	1	3	V	2.5	1	0.74	281
401430175	2011	10	1	4	V	2.5	1	0.86	258
401430175	2011	10	1	5	V	4.7	0	0.63	298
401430175	2011	10	1	6	V	42.5	0	0.52	210
401430175	2011	10	1	7	V	6.1	1	0.55	285
401430175	2011	10	1	8	V	4.5	0	1.11	14
401430175	2011	10	1	9	V	4.8	0	1.4	25
401430175	2011	10	1	10	V	5.2	2	1.18	87
401430175	2011	10	1	11	V	5.1	11	1.81	132
401430175	2011	10	1	12	V	4.7	4	1.87	66
401430175	2011	10	1	13	V	7.6	4	1.72	62
401430175	2011	10	1	14	V	5.6	3	1.62	120
401430175	2011	10	1	15	V	3.7	2	2.08	78
401430175	2011	10	1	16	V	4.7	1	1.77	112
401430175	2011	10	1	17	V	5.2	1	2.1	116
401430175	2011	10	1	18	V	4.2	0	2.13	97
401430175	2011	10	1	19	V	3.7	0	0.62	350
401430175	2011	10	1	20	V	6.1	0	0.6	289
401430175	2011	10	1	21	C	-999	0	0	0
401430175	2011	10	1	22	C	-999	1	0	0
401430175	2011	10	1	23	V	4.7	1	0.65	269
401430175	2011	10	1	24	C	-999	1	0	0
401430175	2011	10	2	1	C	-999	1	0	0
401430175	2011	10	2	2	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	2	3	C	-999	1	0	0
401430175	2011	10	2	4	C	-999	0	0	0
401430175	2011	10	2	5	C	-999	0	0	0
401430175	2011	10	2	6	C	-999	0	0	0
401430175	2011	10	2	7	C	-999	0	0	0
401430175	2011	10	2	8	V	13.1	1	0.67	244
401430175	2011	10	2	9	V	13.8	3	1.31	170
401430175	2011	10	2	10	V	10.5	6	3.48	181
401430175	2011	10	2	11	V	10.7	14	3.47	179
401430175	2011	10	2	12	V	11.5	6	3.69	187
401430175	2011	10	2	13	V	12.1	6	3.1	176
401430175	2011	10	2	14	V	7.9	4	2.47	167
401430175	2011	10	2	15	V	5.8	1	2.64	152
401430175	2011	10	2	16	V	5.1	1	3.01	143
401430175	2011	10	2	17	V	6.4	1	3.07	146
401430175	2011	10	2	18	V	4.1	1	3.52	121
401430175	2011	10	2	19	V	2.3	1	1.72	116
401430175	2011	10	2	20	C	-999	1	0	0
401430175	2011	10	2	21	C	-999	0	0	0
401430175	2011	10	2	22	V	4.1	0	0.7	270
401430175	2011	10	2	23	V	8.7	0	0.52	282
401430175	2011	10	2	24	V	41.2	1	0.52	229
401430175	2011	10	3	1	V	5.0	1	0.58	290
401430175	2011	10	3	2	C	-999	1	0	0
401430175	2011	10	3	3	C	-999	1	0	0
401430175	2011	10	3	4	C	-999	0	0	0
401430175	2011	10	3	5	V	7.0	0	0.6	254
401430175	2011	10	3	6	V	3.7	2	0.67	263
401430175	2011	10	3	7	C	-999	3	0	0
401430175	2011	10	3	8	V	16.0	12	0.58	208
401430175	2011	10	3	9	V	12.2	35	1.74	168
401430175	2011	10	3	10	V	10.4	23	3.05	171
401430175	2011	10	3	11	V	10.6	16	4.46	182
401430175	2011	10	3	12	V	10.6	-999	4.76	179
401430175	2011	10	3	13	V	12.7	-999	4.09	175
401430175	2011	10	3	14	V	7.7	4	4.48	159
401430175	2011	10	3	15	V	8.2	4	4.8	162
401430175	2011	10	3	16	V	8.7	6	4.56	160
401430175	2011	10	3	17	V	9.6	3	4.42	158
401430175	2011	10	3	18	V	5.7	3	3.25	154
401430175	2011	10	3	19	V	3.8	3	1.72	157
401430175	2011	10	3	20	V	12.2	2	1.31	204
401430175	2011	10	3	21	V	19.6	2	1.42	178
401430175	2011	10	3	22	V	17.3	2	0.87	195
401430175	2011	10	3	23	C	-999	1	0	0
401430175	2011	10	3	24	V	39.9	1	0.75	213

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	4	1	V	40.8	1	0.67	228
401430175	2011	10	4	2	V	38.3	1	0.52	231
401430175	2011	10	4	3	V	45.9	1	0.63	217
401430175	2011	10	4	4	V	16.0	1	0.55	245
401430175	2011	10	4	5	C	-999	1	0	0
401430175	2011	10	4	6	C	-999	1	0	0
401430175	2011	10	4	7	C	-999	1	0	0
401430175	2011	10	4	8	V	12.8	1	0.53	219
401430175	2011	10	4	9	V	7.2	3	1.64	150
401430175	2011	10	4	10	V	10.9	21	3.27	178
401430175	2011	10	4	11	V	10.1	13	3.61	172
401430175	2011	10	4	12	V	8.3	6	3.86	164
401430175	2011	10	4	13	V	11.7	5	3.75	170
401430175	2011	10	4	14	V	9.5	10	4.19	168
401430175	2011	10	4	15	V	9.4	3	4.02	169
401430175	2011	10	4	16	V	8.2	2	4.12	158
401430175	2011	10	4	17	V	4.8	1	4.12	140
401430175	2011	10	4	18	V	4.1	2	3.35	122
401430175	2011	10	4	19	V	2.3	2	2.27	113
401430175	2011	10	4	20	V	2.7	1	1.77	143
401430175	2011	10	4	21	V	35.9	1	0.99	169
401430175	2011	10	4	22	V	42.2	1	0.53	229
401430175	2011	10	4	23	V	7.8	2	0.74	246
401430175	2011	10	4	24	V	32.3	1	0.99	214
401430175	2011	10	5	1	V	27.1	1	0.87	206
401430175	2011	10	5	2	V	30.2	1	0.87	210
401430175	2011	10	5	3	C	-999	2	0	0
401430175	2011	10	5	4	C	-999	1	0	0
401430175	2011	10	5	5	C	-999	1	0	0
401430175	2011	10	5	6	C	-999	1	0	0
401430175	2011	10	5	7	C	-999	1	0	0
401430175	2011	10	5	8	V	20.8	1	0.89	216
401430175	2011	10	5	9	V	7.2	1	1.81	153
401430175	2011	10	5	10	V	9.7	2	3.95	167
401430175	2011	10	5	11	V	8.2	1	4.02	162
401430175	2011	10	5	12	V	8.9	3	4.53	165
401430175	2011	10	5	13	V	11.1	13	4.94	163
401430175	2011	10	5	14	V	9.3	4	5.36	164
401430175	2011	10	5	15	V	6.7	4	4.59	156
401430175	2011	10	5	16	V	5.9	2	4.99	152
401430175	2011	10	5	17	V	10.5	2	5.07	160
401430175	2011	10	5	18	V	12.4	2	2.61	163
401430175	2011	10	5	19	V	2.3	2	2.35	142
401430175	2011	10	5	20	V	2.6	2	2.2	142
401430175	2011	10	5	21	V	6.6	2	1.45	160
401430175	2011	10	5	22	V	31.9	2	0.52	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	5	23	C	-999	1	0	0
401430175	2011	10	5	24	V	33.9	1	0.77	177
401430175	2011	10	6	1	V	10.7	1	1.67	164
401430175	2011	10	6	2	V	1.7	1	3.03	147
401430175	2011	10	6	3	V	1.3	1	4	150
401430175	2011	10	6	4	V	2.8	1	3.66	155
401430175	2011	10	6	5	V	11.5	1	2.57	167
401430175	2011	10	6	6	V	12.2	2	3.57	169
401430175	2011	10	6	7	V	1.5	1	2.52	149
401430175	2011	10	6	8	V	3.2	2	3.01	143
401430175	2011	10	6	9	V	6.4	3	4.32	159
401430175	2011	10	6	10	V	4.6	3	4.39	156
401430175	2011	10	6	11	V	5.9	3	6.04	157
401430175	2011	10	6	12	V	8.2	10	6.7	162
401430175	2011	10	6	13	V	11.1	17	7.96	163
401430175	2011	10	6	14	V	9.2	7	8.01	164
401430175	2011	10	6	15	V	6.9	3	8.05	160
401430175	2011	10	6	16	V	7.4	3	7.16	159
401430175	2011	10	6	17	V	10.7	2	6.72	162
401430175	2011	10	6	18	V	14.6	2	4.85	166
401430175	2011	10	6	19	V	2.4	2	2.93	149
401430175	2011	10	6	20	V	2.8	1	3.63	148
401430175	2011	10	6	21	V	3.0	1	4.73	152
401430175	2011	10	6	22	V	2.5	1	4.24	147
401430175	2011	10	6	23	V	2.6	1	4.85	145
401430175	2011	10	6	24	V	2.6	1	5.36	149
401430175	2011	10	7	1	V	1.8	1	4.9	150
401430175	2011	10	7	2	V	2.1	1	4.17	151
401430175	2011	10	7	3	V	1.3	1	4.22	147
401430175	2011	10	7	4	V	1.9	1	3.97	150
401430175	2011	10	7	5	V	2.0	1	3.83	147
401430175	2011	10	7	6	V	1.8	1	3.56	149
401430175	2011	10	7	7	V	2.0	1	3.35	151
401430175	2011	10	7	8	V	4.8	2	3.3	154
401430175	2011	10	7	9	V	3.3	2	4.27	155
401430175	2011	10	7	10	V	9.6	4	7.14	165
401430175	2011	10	7	11	V	10.2	4	6.67	164
401430175	2011	10	7	12	V	10.7	9	7.25	165
401430175	2011	10	7	13	V	14.0	5	7.04	166
401430175	2011	10	7	14	V	10.6	10	6.72	164
401430175	2011	10	7	15	V	6.2	6	6.74	159
401430175	2011	10	7	16	V	9.6	2	5.84	162
401430175	2011	10	7	17	V	7.8	1	5.7	157
401430175	2011	10	7	18	V	4.3	1	4.2	144
401430175	2011	10	7	19	V	2.3	1	3.39	133
401430175	2011	10	7	20	V	2.6	1	2.79	137

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	7	21	V	2.1	1	3.39	143
401430175	2011	10	7	22	V	2.5	1	3.46	149
401430175	2011	10	7	23	V	2.7	1	4.54	147
401430175	2011	10	7	24	V	2.3	1	5.24	147
401430175	2011	10	8	1	V	1.9	1	5.26	149
401430175	2011	10	8	2	V	2.2	1	5.17	149
401430175	2011	10	8	3	V	1.4	0	4.97	147
401430175	2011	10	8	4	V	2.1	0	4.63	149
401430175	2011	10	8	5	V	2.2	0	4.7	148
401430175	2011	10	8	6	V	2.0	1	4.94	150
401430175	2011	10	8	7	V	1.9	1	5.09	147
401430175	2011	10	8	8	V	2.9	1	5.62	148
401430175	2011	10	8	9	V	5.9	2	5.58	159
401430175	2011	10	8	10	V	10.5	26	7.71	172
401430175	2011	10	8	11	V	11.1	16	6.64	174
401430175	2011	10	8	12	V	9.0	17	6.45	164
401430175	2011	10	8	13	V	8.9	5	6.58	157
401430175	2011	10	8	14	V	3.7	1	6.58	148
401430175	2011	10	8	15	V	2.5	1	7.55	141
401430175	2011	10	8	16	V	3.1	1	6.58	141
401430175	2011	10	8	17	V	4.4	1	5.26	130
401430175	2011	10	8	18	V	4.1	1	4	121
401430175	2011	10	8	19	V	2.3	1	2.2	129
401430175	2011	10	8	20	V	2.7	1	2.93	127
401430175	2011	10	8	21	V	2.2	2	2.55	144
401430175	2011	10	8	22	V	29.1	1	1.3	224
401430175	2011	10	8	23	V	2.5	0	1.62	261
401430175	2011	10	8	24	V	3.3	0	0.74	2
401430175	2011	10	9	1	C	-999	1	0	0
401430175	2011	10	9	2	V	6.7	2	0.53	1
401430175	2011	10	9	3	V	1.0	1	4.26	127
401430175	2011	10	9	4	V	1.6	1	5.5	126
401430175	2011	10	9	5	V	1.9	0	4.95	127
401430175	2011	10	9	6	V	1.6	0	5.31	129
401430175	2011	10	9	7	V	1.6	0	4.36	135
401430175	2011	10	9	8	V	2.8	1	4.95	135
401430175	2011	10	9	9	V	1.7	1	4.87	140
401430175	2011	10	9	10	V	1.9	1	5.58	148
401430175	2011	10	9	11	V	3.5	1	5.67	149
401430175	2011	10	9	12	V	4.3	1	5.07	147
401430175	2011	10	9	13	V	10.4	1	5.05	160
401430175	2011	10	9	14	V	3.4	1	4.88	128
401430175	2011	10	9	15	V	2.6	1	4.29	133
401430175	2011	10	9	16	V	3.2	0	4.6	123
401430175	2011	10	9	17	V	4.4	1	4.71	120
401430175	2011	10	9	18	V	4.2	1	3.75	112

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	9	19	V	2.4	2	3.52	106
401430175	2011	10	9	20	V	2.8	1	2.74	287
401430175	2011	10	9	21	V	2.2	0	2.57	284
401430175	2011	10	9	22	V	2.7	0	0.8	325
401430175	2011	10	9	23	V	2.5	0	1.28	280
401430175	2011	10	9	24	V	2.2	0	1.16	283
401430175	2011	10	10	1	V	1.4	0	1.31	353
401430175	2011	10	10	2	V	1.7	0	2.13	33
401430175	2011	10	10	3	V	1.0	0	1.81	78
401430175	2011	10	10	4	V	1.8	0	1.2	117
401430175	2011	10	10	5	V	1.9	0	1.35	250
401430175	2011	10	10	6	V	2.1	1	1.14	246
401430175	2011	10	10	7	V	42.3	0	0.75	227
401430175	2011	10	10	8	V	16.0	0	0.72	242
401430175	2011	10	10	9	V	11.2	0	1.09	241
401430175	2011	10	10	10	V	2.1	0	1.76	280
401430175	2011	10	10	11	V	3.7	0	1.48	288
401430175	2011	10	10	12	V	4.2	0	1.45	264
401430175	2011	10	10	13	V	5.9	0	2.01	275
401430175	2011	10	10	14	V	3.8	1	1.74	273
401430175	2011	10	10	15	V	8.3	2	1.14	229
401430175	2011	10	10	16	V	14.2	10	1.4	207
401430175	2011	10	10	17	V	9.6	11	1.35	248
401430175	2011	10	10	18	V	4.7	1	0.8	283
401430175	2011	10	10	19	V	3.4	0	0.82	285
401430175	2011	10	10	20	C	-999	1	0	0
401430175	2011	10	10	21	C	-999	0	0	0
401430175	2011	10	10	22	C	-999	0	0	0
401430175	2011	10	10	23	V	3.8	1	0.77	258
401430175	2011	10	10	24	C	-999	2	0	0
401430175	2011	10	11	1	V	30.5	5	0.89	208
401430175	2011	10	11	2	V	4.4	5	0.63	297
401430175	2011	10	11	3	C	-999	2	0	0
401430175	2011	10	11	4	C	-999	2	0	0
401430175	2011	10	11	5	C	-999	2	0	0
401430175	2011	10	11	6	V	5.1	2	0.58	283
401430175	2011	10	11	7	C	-999	2	0	0
401430175	2011	10	11	8	V	11.2	2	0.52	346
401430175	2011	10	11	9	V	15.1	2	0.6	125
401430175	2011	10	11	10	V	8.2	13	0.89	142
401430175	2011	10	11	11	V	11.1	22	2.3	184
401430175	2011	10	11	12	V	11.4	5	2.93	186
401430175	2011	10	11	13	V	16.5	8	2.79	209
401430175	2011	10	11	14	V	13.2	14	3.81	193
401430175	2011	10	11	15	V	16.6	14	4.03	205
401430175	2011	10	11	16	V	17.9	16	4.07	203

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	11	17	V	15.4	11	2.98	188
401430175	2011	10	11	18	V	9.6	3	0.82	243
401430175	2011	10	11	19	C	-999	2	0	0
401430175	2011	10	11	20	V	7.8	1	0.52	312
401430175	2011	10	11	21	V	26.8	1	0.6	237
401430175	2011	10	11	22	V	47.2	1	0.7	220
401430175	2011	10	11	23	V	18.6	1	1.13	181
401430175	2011	10	11	24	V	2.4	2	1.01	289
401430175	2011	10	12	1	V	3.2	2	0.69	284
401430175	2011	10	12	2	V	36.4	1	0.86	213
401430175	2011	10	12	3	V	6.7	1	1.48	201
401430175	2011	10	12	4	V	2.5	1	0.82	306
401430175	2011	10	12	5	V	5.3	1	0.58	265
401430175	2011	10	12	6	V	25.6	1	0.69	199
401430175	2011	10	12	7	V	35.1	1	0.77	209
401430175	2011	10	12	8	V	22.7	3	1.13	214
401430175	2011	10	12	9	V	4.6	1	1.21	84
401430175	2011	10	12	10	V	12.6	6	1.91	186
401430175	2011	10	12	11	V	17.5	4	3.2	218
401430175	2011	10	12	12	V	9.8	1	2.89	238
401430175	2011	10	12	13	V	6.7	1	2.67	266
401430175	2011	10	12	14	V	7.0	1	3.13	249
401430175	2011	10	12	15	V	4.3	1	3.42	259
401430175	2011	10	12	16	V	3.7	0	3.47	268
401430175	2011	10	12	17	V	4.6	1	3.52	276
401430175	2011	10	12	18	V	4.2	1	2.47	278
401430175	2011	10	12	19	V	2.3	1	2.03	268
401430175	2011	10	12	20	V	2.6	1	2.01	293
401430175	2011	10	12	21	V	2.2	1	2.76	322
401430175	2011	10	12	22	V	2.4	0	2.62	326
401430175	2011	10	12	23	V	2.5	0	2.55	317
401430175	2011	10	12	24	V	2.0	0	2.33	322
401430175	2011	10	13	1	V	1.4	0	2.52	325
401430175	2011	10	13	2	V	1.6	0	2.01	315
401430175	2011	10	13	3	V	1.0	0	1.93	310
401430175	2011	10	13	4	V	1.6	0	1.96	317
401430175	2011	10	13	5	V	2.5	0	1.28	244
401430175	2011	10	13	6	V	1.8	0	1.14	261
401430175	2011	10	13	7	V	2.0	1	1.06	293
401430175	2011	10	13	8	V	3.0	0	2.67	308
401430175	2011	10	13	9	V	1.9	0	3.13	320
401430175	2011	10	13	10	V	2.0	0	2.9	311
401430175	2011	10	13	11	V	3.6	0	2.49	305
401430175	2011	10	13	12	V	3.6	0	2.71	288
401430175	2011	10	13	13	V	5.8	0	3.83	321
401430175	2011	10	13	14	V	3.5	0	3.8	314

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	13	15	V	2.8	0	3.66	327
401430175	2011	10	13	16	V	3.5	0	3.03	320
401430175	2011	10	13	17	V	4.9	0	2.37	299
401430175	2011	10	13	18	V	4.2	0	1.42	263
401430175	2011	10	13	19	V	2.5	0	1.21	257
401430175	2011	10	13	20	V	2.9	1	1.18	259
401430175	2011	10	13	21	V	4.6	1	0.65	261
401430175	2011	10	13	22	V	15.8	1	0.89	193
401430175	2011	10	13	23	V	37.1	1	0.72	211
401430175	2011	10	13	24	V	46.0	1	0.63	216
401430175	2011	10	14	1	V	22.9	1	0.52	241
401430175	2011	10	14	2	V	39.7	1	0.57	205
401430175	2011	10	14	3	V	19.9	1	0.52	243
401430175	2011	10	14	4	V	24.6	1	0.87	204
401430175	2011	10	14	5	V	30.1	1	0.62	180
401430175	2011	10	14	6	V	46.2	1	0.67	222
401430175	2011	10	14	7	V	45.1	1	0.53	208
401430175	2011	10	14	8	V	13.0	2	1.64	167
401430175	2011	10	14	9	V	1.9	1	3.22	14
401430175	2011	10	14	10	V	3.2	1	3.05	34
401430175	2011	10	14	11	V	4.8	1	2.5	36
401430175	2011	10	14	12	V	5.0	0	1.91	38
401430175	2011	10	14	13	V	8.5	1	1.23	46
401430175	2011	10	14	14	V	6.1	1	1.2	71
401430175	2011	10	14	15	V	5.1	1	1.42	84
401430175	2011	10	14	16	V	6.2	5	1.04	12
401430175	2011	10	14	17	V	6.3	1	1.5	41
401430175	2011	10	14	18	V	4.4	1	1.11	12
401430175	2011	10	14	19	V	2.3	2	1.64	4
401430175	2011	10	14	20	V	2.8	2	1.33	9
401430175	2011	10	14	21	V	2.1	1	2.15	9
401430175	2011	10	14	22	V	2.3	0	2.59	21
401430175	2011	10	14	23	V	2.4	0	2.28	15
401430175	2011	10	14	24	V	2.0	0	1.55	23
401430175	2011	10	15	1	V	1.3	0	2.2	15
401430175	2011	10	15	2	V	1.6	0	2.2	17
401430175	2011	10	15	3	V	1.0	0	1.93	22
401430175	2011	10	15	4	V	1.6	0	1.59	16
401430175	2011	10	15	5	V	2.6	0	0.89	355
401430175	2011	10	15	6	V	1.7	0	1.28	360
401430175	2011	10	15	7	V	2.9	0	0.77	359
401430175	2011	10	15	8	V	4.0	0	1.33	25
401430175	2011	10	15	9	V	2.2	1	2.49	85
401430175	2011	10	15	10	V	1.8	1	3.56	110
401430175	2011	10	15	11	V	3.1	0	3.69	134
401430175	2011	10	15	12	V	5.2	2	4.02	151

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	15	13	V	12.0	1	3.78	169
401430175	2011	10	15	14	V	8.3	2	4.09	161
401430175	2011	10	15	15	V	10.9	12	4.63	175
401430175	2011	10	15	16	V	12.7	12	4.19	185
401430175	2011	10	15	17	V	13.9	9	2.62	169
401430175	2011	10	15	18	V	18.6	1	1.09	207
401430175	2011	10	15	19	V	30.0	2	1.13	216
401430175	2011	10	15	20	V	40.1	2	0.69	229
401430175	2011	10	15	21	V	27.8	3	1.35	220
401430175	2011	10	15	22	V	12.4	8	1.43	213
401430175	2011	10	15	23	V	2.8	11	2.59	196
401430175	2011	10	15	24	V	3.5	7	2.13	202
401430175	2011	10	16	1	V	19.4	16	1.16	212
401430175	2011	10	16	2	V	36.5	16	1.06	218
401430175	2011	10	16	3	V	7.2	20	1.55	182
401430175	2011	10	16	4	V	13.2	15	2.3	176
401430175	2011	10	16	5	V	5.3	16	1.57	184
401430175	2011	10	16	6	V	19.1	25	0.77	196
401430175	2011	10	16	7	V	4.4	47	1.67	184
401430175	2011	10	16	8	V	12.5	73	3.23	196
401430175	2011	10	16	9	V	15.6	63	4.56	211
401430175	2011	10	16	10	V	16.8	42	5.05	210
401430175	2011	10	16	11	V	18.4	52	6.01	209
401430175	2011	10	16	12	V	17.2	23	5.62	216
401430175	2011	10	16	13	V	17.3	15	4.56	226
401430175	2011	10	16	14	V	14.1	13	4.83	229
401430175	2011	10	16	15	V	13.9	13	4.6	229
401430175	2011	10	16	16	V	18.5	29	4.26	223
401430175	2011	10	16	17	V	24.5	3	3.29	219
401430175	2011	10	16	18	V	15.4	18	1.37	229
401430175	2011	10	16	19	V	3.5	15	0.62	270
401430175	2011	10	16	20	V	2.7	1	1.77	332
401430175	2011	10	16	21	V	2.2	1	4.03	11
401430175	2011	10	16	22	V	2.5	1	4.61	18
401430175	2011	10	16	23	V	2.5	1	3.13	8
401430175	2011	10	16	24	V	2.0	1	3	16
401430175	2011	10	17	1	V	1.3	1	1.81	19
401430175	2011	10	17	2	V	1.6	1	1.64	8
401430175	2011	10	17	3	V	1.1	1	1.47	4
401430175	2011	10	17	4	V	1.6	1	1.84	12
401430175	2011	10	17	5	V	1.8	1	1.98	15
401430175	2011	10	17	6	V	1.7	0	1.25	13
401430175	2011	10	17	7	V	1.7	1	1.42	23
401430175	2011	10	17	8	V	3.7	1	1.3	20
401430175	2011	10	17	9	V	3.0	1	1.94	134
401430175	2011	10	17	10	V	11.3	7	3.23	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	17	11	V	11.6	15	4.65	194
401430175	2011	10	17	12	V	10.2	11	4.93	184
401430175	2011	10	17	13	V	13.1	14	4.92	185
401430175	2011	10	17	14	V	16.8	-999	4.83	211
401430175	2011	10	17	15	V	16.8	-999	4.48	210
401430175	2011	10	17	16	V	7.2	9	1.99	253
401430175	2011	10	17	17	V	4.4	1	4.26	339
401430175	2011	10	17	18	V	4.5	2	6.21	4
401430175	2011	10	17	19	V	2.7	1	7.98	6
401430175	2011	10	17	20	V	3.0	1	6.35	6
401430175	2011	10	17	21	V	2.5	1	6.38	3
401430175	2011	10	17	22	V	2.7	0	7.09	6
401430175	2011	10	17	23	V	2.8	1	7.33	9
401430175	2011	10	17	24	V	2.4	0	6.16	4
401430175	2011	10	18	1	V	1.7	0	6.33	3
401430175	2011	10	18	2	V	2.0	0	6.28	4
401430175	2011	10	18	3	V	1.4	1	6.11	1
401430175	2011	10	18	4	V	1.9	0	4.88	360
401430175	2011	10	18	5	V	2.1	0	5.11	356
401430175	2011	10	18	6	V	1.7	0	4.27	352
401430175	2011	10	18	7	V	1.7	0	3.44	341
401430175	2011	10	18	8	V	2.8	0	3.17	329
401430175	2011	10	18	9	V	1.9	0	3.69	336
401430175	2011	10	18	10	V	1.8	0	4.66	344
401430175	2011	10	18	11	V	3.0	0	4.25	348
401430175	2011	10	18	12	V	3.0	0	4.76	342
401430175	2011	10	18	13	V	5.6	0	5.16	336
401430175	2011	10	18	14	V	3.2	0	5.29	343
401430175	2011	10	18	15	V	2.5	0	5.16	338
401430175	2011	10	18	16	V	3.1	0	4.99	329
401430175	2011	10	18	17	V	4.4	0	4.73	323
401430175	2011	10	18	18	V	4.2	0	4.2	339
401430175	2011	10	18	19	V	2.4	0	4.1	336
401430175	2011	10	18	20	V	2.7	0	3.44	341
401430175	2011	10	18	21	V	2.2	0	3.88	344
401430175	2011	10	18	22	V	2.3	0	2.67	343
401430175	2011	10	18	23	V	2.4	0	2.1	333
401430175	2011	10	18	24	V	2.0	0	2.27	331
401430175	2011	10	19	1	V	1.4	0	1.3	305
401430175	2011	10	19	2	V	1.7	0	1.54	313
401430175	2011	10	19	3	V	1.0	0	1.94	312
401430175	2011	10	19	4	V	1.6	0	2.47	321
401430175	2011	10	19	5	V	1.9	0	2.64	322
401430175	2011	10	19	6	V	1.6	0	2.79	326
401430175	2011	10	19	7	V	1.6	0	2.78	329
401430175	2011	10	19	8	V	3.0	0	2.81	331

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	19	9	V	1.8	0	4.51	343
401430175	2011	10	19	10	V	1.7	0	5.26	353
401430175	2011	10	19	11	V	2.9	0	5.68	347
401430175	2011	10	19	12	V	3.0	0	5.07	341
401430175	2011	10	19	13	V	5.6	0	4.9	332
401430175	2011	10	19	14	V	3.2	0	5.6	345
401430175	2011	10	19	15	V	2.6	0	5.02	334
401430175	2011	10	19	16	V	3.2	0	5.04	345
401430175	2011	10	19	17	V	4.4	0	4.1	339
401430175	2011	10	19	18	V	4.1	0	3	334
401430175	2011	10	19	19	V	2.3	0	1.84	329
401430175	2011	10	19	20	V	2.7	0	1.43	316
401430175	2011	10	19	21	V	2.3	0	1.3	315
401430175	2011	10	19	22	V	2.4	0	1.59	348
401430175	2011	10	19	23	V	2.4	0	1.67	356
401430175	2011	10	19	24	V	16.7	0	0.99	235
401430175	2011	10	20	1	C	-999	0	0	0
401430175	2011	10	20	2	C	-999	0	0	0
401430175	2011	10	20	3	C	-999	0	0	0
401430175	2011	10	20	4	V	44.9	0	0.58	214
401430175	2011	10	20	5	V	12.4	0	0.63	245
401430175	2011	10	20	6	V	16.7	0	0.72	239
401430175	2011	10	20	7	V	36.1	1	0.63	204
401430175	2011	10	20	8	V	34.7	1	0.67	204
401430175	2011	10	20	9	V	8.1	1	0.92	75
401430175	2011	10	20	10	V	5.0	0	1.31	39
401430175	2011	10	20	11	V	4.3	0	1.72	338
401430175	2011	10	20	12	V	4.4	0	1.69	305
401430175	2011	10	20	13	V	6.6	2	2.05	320
401430175	2011	10	20	14	V	4.2	3	2.08	314
401430175	2011	10	20	15	V	4.2	2	2.11	39
401430175	2011	10	20	16	V	4.9	2	1.54	24
401430175	2011	10	20	17	V	5.3	2	1.99	56
401430175	2011	10	20	18	V	6.1	1	0.55	74
401430175	2011	10	20	19	V	4.8	1	0.55	317
401430175	2011	10	20	20	V	4.2	1	0.72	265
401430175	2011	10	20	21	C	-999	1	0	0
401430175	2011	10	20	22	V	6.7	1	0.55	269
401430175	2011	10	20	23	C	-999	2	0	0
401430175	2011	10	20	24	C	-999	2	0	0
401430175	2011	10	21	1	C	-999	1	0	0
401430175	2011	10	21	2	C	-999	1	0	0
401430175	2011	10	21	3	C	-999	1	0	0
401430175	2011	10	21	4	C	-999	1	0	0
401430175	2011	10	21	5	C	-999	1	0	0
401430175	2011	10	21	6	V	7.9	1	0.52	279

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	21	7	C	-999	2	0	0
401430175	2011	10	21	8	C	-999	2	0	0
401430175	2011	10	21	9	V	16.5	2	0.84	182
401430175	2011	10	21	10	V	11.5	2	1.88	166
401430175	2011	10	21	11	V	11.0	4	2.52	177
401430175	2011	10	21	12	V	11.2	6	2.96	183
401430175	2011	10	21	13	V	12.7	4	2.38	184
401430175	2011	10	21	14	V	8.6	3	2.13	174
401430175	2011	10	21	15	V	11.4	3	2.05	204
401430175	2011	10	21	16	V	11.0	2	1.76	183
401430175	2011	10	21	17	V	9.8	3	2.1	155
401430175	2011	10	21	18	V	28.1	2	1.06	176
401430175	2011	10	21	19	V	6.7	1	0.52	303
401430175	2011	10	21	20	V	7.2	1	0.55	276
401430175	2011	10	21	21	V	13.2	1	0.62	245
401430175	2011	10	21	22	V	7.8	1	0.53	272
401430175	2011	10	21	23	C	-999	3	0	0
401430175	2011	10	21	24	C	-999	3	0	0
401430175	2011	10	22	1	C	-999	3	0	0
401430175	2011	10	22	2	C	-999	2	0	0
401430175	2011	10	22	3	C	-999	1	0	0
401430175	2011	10	22	4	C	-999	1	0	0
401430175	2011	10	22	5	V	1.9	1	1.42	250
401430175	2011	10	22	6	C	-999	1	0	0
401430175	2011	10	22	7	V	2.0	1	1.04	7
401430175	2011	10	22	8	V	4.0	1	0.77	29
401430175	2011	10	22	9	V	2.5	1	2.03	119
401430175	2011	10	22	10	V	2.5	1	2.56	138
401430175	2011	10	22	11	V	4.9	2	2.79	147
401430175	2011	10	22	12	V	3.3	2	3.61	131
401430175	2011	10	22	13	V	5.9	2	3.37	115
401430175	2011	10	22	14	V	3.4	1	4.49	121
401430175	2011	10	22	15	V	2.6	2	4.53	105
401430175	2011	10	22	16	V	3.2	2	4.46	109
401430175	2011	10	22	17	V	4.3	3	4.27	97
401430175	2011	10	22	18	V	4.2	9	3.46	103
401430175	2011	10	22	19	V	2.7	3	5.67	26
401430175	2011	10	22	20	V	2.8	0	4.07	28
401430175	2011	10	22	21	V	2.3	0	5.97	84
401430175	2011	10	22	22	V	9.3	2	3.86	166
401430175	2011	10	22	23	V	14.5	5	2.64	170
401430175	2011	10	22	24	V	2.3	0	1.13	335
401430175	2011	10	23	1	V	1.7	0	1.08	304
401430175	2011	10	23	2	V	2.9	0	0.75	314
401430175	2011	10	23	3	V	33.2	0	0.52	234
401430175	2011	10	23	4	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	23	5	V	45.8	0	0.69	219
401430175	2011	10	23	6	V	33.9	1	0.65	232
401430175	2011	10	23	7	V	11.3	0	0.55	249
401430175	2011	10	23	8	V	17.0	0	0.97	199
401430175	2011	10	23	9	V	12.5	1	0.65	245
401430175	2011	10	23	10	V	8.5	3	1.25	249
401430175	2011	10	23	11	V	26.0	1	1.6	213
401430175	2011	10	23	12	V	6.5	1	1.51	259
401430175	2011	10	23	13	V	7.2	1	1.83	265
401430175	2011	10	23	14	V	4.5	3	1.87	273
401430175	2011	10	23	15	V	9.6	2	1.5	194
401430175	2011	10	23	16	V	6.9	4	1.2	259
401430175	2011	10	23	17	V	7.6	3	0.82	262
401430175	2011	10	23	18	V	20.7	1	0.52	242
401430175	2011	10	23	19	C	-999	1	0	0
401430175	2011	10	23	20	V	16.3	1	0.57	245
401430175	2011	10	23	21	V	27.7	1	0.67	235
401430175	2011	10	23	22	V	43.3	1	0.55	228
401430175	2011	10	23	23	V	45.6	0	0.55	226
401430175	2011	10	23	24	V	21.1	3	0.94	202
401430175	2011	10	24	1	C	-999	3	0	0
401430175	2011	10	24	2	C	-999	1	0	0
401430175	2011	10	24	3	C	-999	0	0	0
401430175	2011	10	24	4	V	5.3	0	0.58	271
401430175	2011	10	24	5	V	8.3	0	0.52	262
401430175	2011	10	24	6	V	20.7	0	1.06	210
401430175	2011	10	24	7	V	19.5	3	0.91	200
401430175	2011	10	24	8	V	10.3	7	1.04	191
401430175	2011	10	24	9	V	10.5	4	2.9	179
401430175	2011	10	24	10	V	13.7	10	2.86	201
401430175	2011	10	24	11	V	11.5	13	3.86	190
401430175	2011	10	24	12	V	17.6	25	5.03	215
401430175	2011	10	24	13	V	19.6	16	4.48	213
401430175	2011	10	24	14	V	16.5	13	4.41	203
401430175	2011	10	24	15	V	13.1	6	5.34	196
401430175	2011	10	24	16	V	11.8	18	5.29	189
401430175	2011	10	24	17	V	12.2	17	5.65	182
401430175	2011	10	24	18	V	9.4	27	3.47	181
401430175	2011	10	24	19	V	2.6	13	2.32	192
401430175	2011	10	24	20	V	3.7	4	2.64	207
401430175	2011	10	24	21	V	2.8	16	2.96	192
401430175	2011	10	24	22	V	2.9	10	2.45	198
401430175	2011	10	24	23	V	4.2	20	3.47	188
401430175	2011	10	24	24	V	5.2	11	5.24	189
401430175	2011	10	25	1	V	4.8	7	5.16	188
401430175	2011	10	25	2	V	12.3	24	2.86	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	25	3	V	9.2	13	3.51	165
401430175	2011	10	25	4	V	9.1	5	3.66	165
401430175	2011	10	25	5	V	11.9	5	3.66	169
401430175	2011	10	25	6	V	5.1	9	2.86	161
401430175	2011	10	25	7	V	11.7	5	4.34	168
401430175	2011	10	25	8	V	14.5	22	4.31	168
401430175	2011	10	25	9	V	9.4	28	5.24	178
401430175	2011	10	25	10	V	7.4	7	6.94	184
401430175	2011	10	25	11	V	9.0	10	8.91	193
401430175	2011	10	25	12	V	11.8	-999	8.73	199
401430175	2011	10	25	13	V	12.7	-999	8.76	195
401430175	2011	10	25	14	V	9.9	8	8.98	194
401430175	2011	10	25	15	V	9.3	13	8.85	194
401430175	2011	10	25	16	V	8.9	10	7.54	188
401430175	2011	10	25	17	V	12.0	10	7.16	194
401430175	2011	10	25	18	V	7.4	8	5.17	189
401430175	2011	10	25	19	V	5.3	1	4.07	187
401430175	2011	10	25	20	V	3.8	3	1.96	188
401430175	2011	10	25	21	V	5.0	16	1.52	185
401430175	2011	10	25	22	V	9.1	24	1.38	161
401430175	2011	10	25	23	V	5.9	3	1.57	160
401430175	2011	10	25	24	V	35.0	2	0.84	168
401430175	2011	10	26	1	V	1.3	4	1.59	349
401430175	2011	10	26	2	V	6.6	0	1.79	47
401430175	2011	10	26	3	V	4.4	0	0.65	49
401430175	2011	10	26	4	V	22.5	0	0.52	160
401430175	2011	10	26	5	C	-999	0	0	0
401430175	2011	10	26	6	V	1.5	0	2.33	344
401430175	2011	10	26	7	V	1.7	0	3.8	1
401430175	2011	10	26	8	V	3.1	1	4.88	9
401430175	2011	10	26	9	V	1.7	1	5.36	12
401430175	2011	10	26	10	V	1.6	0	6.29	15
401430175	2011	10	26	11	V	2.9	1	4.87	19
401430175	2011	10	26	12	V	2.9	1	4.05	8
401430175	2011	10	26	13	V	5.5	1	3.78	360
401430175	2011	10	26	14	V	3.1	1	4.39	8
401430175	2011	10	26	15	V	2.4	0	4.02	7
401430175	2011	10	26	16	V	3.0	0	4.15	9
401430175	2011	10	26	17	V	4.5	0	3.76	18
401430175	2011	10	26	18	V	4.2	0	2.98	13
401430175	2011	10	26	19	V	2.4	0	2.98	25
401430175	2011	10	26	20	V	6.0	0	3.54	43
401430175	2011	10	26	21	V	3.7	2	4.22	39
401430175	2011	10	26	22	V	2.4	3	4.32	31
401430175	2011	10	26	23	V	2.5	1	3.01	21
401430175	2011	10	26	24	V	2.1	0	3.08	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	27	1	V	1.5	0	4.75	8
401430175	2011	10	27	2	V	2.0	0	5.53	9
401430175	2011	10	27	3	V	1.4	0	5.77	13
401430175	2011	10	27	4	V	1.9	0	4.83	4
401430175	2011	10	27	5	V	2.0	0	3.93	4
401430175	2011	10	27	6	V	1.6	0	2.71	2
401430175	2011	10	27	7	V	1.6	0	1.79	360
401430175	2011	10	27	8	V	3.0	0	2.28	9
401430175	2011	10	27	9	V	2.2	0	1.84	21
401430175	2011	10	27	10	V	1.9	0	2.23	6
401430175	2011	10	27	11	V	3.3	0	2.23	27
401430175	2011	10	27	12	V	5.2	1	3.01	38
401430175	2011	10	27	13	V	7.7	1	3.98	49
401430175	2011	10	27	14	V	5.4	3	4.29	40
401430175	2011	10	27	15	V	4.0	4	3.03	37
401430175	2011	10	27	16	V	3.8	3	1.18	348
401430175	2011	10	27	17	V	5.0	2	1.14	353
401430175	2011	10	27	18	V	4.2	0	2.52	355
401430175	2011	10	27	19	V	2.4	0	1.91	27
401430175	2011	10	27	20	V	3.4	0	0.75	99
401430175	2011	10	27	21	V	2.3	0	1.16	299
401430175	2011	10	27	22	V	2.4	0	1.3	320
401430175	2011	10	27	23	V	2.9	0	0.99	305
401430175	2011	10	27	24	V	28.0	0	0.6	236
401430175	2011	10	28	1	V	16.1	0	1.23	209
401430175	2011	10	28	2	V	5.1	0	0.87	244
401430175	2011	10	28	3	V	17.5	0	0.53	244
401430175	2011	10	28	4	V	8.3	0	0.65	248
401430175	2011	10	28	5	V	2.6	0	0.87	321
401430175	2011	10	28	6	V	5.3	0	0.58	278
401430175	2011	10	28	7	C	-999	1	0	0
401430175	2011	10	28	8	V	4.7	1	0.67	272
401430175	2011	10	28	9	V	5.2	0	1.13	9
401430175	2011	10	28	10	V	4.3	0	1.89	38
401430175	2011	10	28	11	V	5.3	0	1.6	44
401430175	2011	10	28	12	V	3.7	0	3.01	26
401430175	2011	10	28	13	V	6.2	0	2.79	349
401430175	2011	10	28	14	V	3.7	0	3.15	329
401430175	2011	10	28	15	V	3.2	0	2.62	321
401430175	2011	10	28	16	V	3.8	0	2.3	346
401430175	2011	10	28	17	V	4.7	0	1.6	338
401430175	2011	10	28	18	V	5.0	0	0.72	272
401430175	2011	10	28	19	V	4.2	0	0.69	270
401430175	2011	10	28	20	C	-999	0	0	0
401430175	2011	10	28	21	C	-999	0	0	0
401430175	2011	10	28	22	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	28	23	V	34.0	0	0.74	176
401430175	2011	10	28	24	V	13.4	0	0.53	152
401430175	2011	10	29	1	C	-999	0	0	0
401430175	2011	10	29	2	C	-999	0	0	0
401430175	2011	10	29	3	C	-999	0	0	0
401430175	2011	10	29	4	V	41.2	0	0.6	211
401430175	2011	10	29	5	C	-999	0	0	0
401430175	2011	10	29	6	C	-999	0	0	0
401430175	2011	10	29	7	C	-999	0	0	0
401430175	2011	10	29	8	C	-999	1	0	0
401430175	2011	10	29	9	V	13.3	1	1.06	167
401430175	2011	10	29	10	V	17.2	2	2.66	209
401430175	2011	10	29	11	V	18.3	2	4.68	215
401430175	2011	10	29	12	V	16.9	3	6.09	212
401430175	2011	10	29	13	V	19.3	3	6.16	205
401430175	2011	10	29	14	V	15.3	4	5.96	201
401430175	2011	10	29	15	V	12.0	3	6.4	196
401430175	2011	10	29	16	V	11.6	2	6.48	194
401430175	2011	10	29	17	V	11.6	2	5.55	193
401430175	2011	10	29	18	V	5.3	1	3.13	189
401430175	2011	10	29	19	V	3.3	5	1.88	195
401430175	2011	10	29	20	V	3.1	6	2.71	196
401430175	2011	10	29	21	V	3.3	4	1.99	197
401430175	2011	10	29	22	V	12.1	3	1.23	200
401430175	2011	10	29	23	V	8.4	2	1.25	194
401430175	2011	10	29	24	V	26.9	8	1.3	176
401430175	2011	10	30	1	V	3.0	13	0.84	144
401430175	2011	10	30	2	V	13.1	8	2.01	177
401430175	2011	10	30	3	V	5.9	9	1.72	182
401430175	2011	10	30	4	V	5.7	10	1.89	182
401430175	2011	10	30	5	V	15.9	10	1.93	176
401430175	2011	10	30	6	V	26.4	12	0.72	201
401430175	2011	10	30	7	V	7.0	4	1.28	194
401430175	2011	10	30	8	V	7.1	13	1.37	196
401430175	2011	10	30	9	V	20.4	5	2.23	207
401430175	2011	10	30	10	V	15.4	3	3.74	217
401430175	2011	10	30	11	V	13.2	1	3.85	232
401430175	2011	10	30	12	V	5.6	1	2.86	249
401430175	2011	10	30	13	V	7.5	1	2.45	256
401430175	2011	10	30	14	V	3.9	1	2.3	277
401430175	2011	10	30	15	V	3.2	1	2.32	303
401430175	2011	10	30	16	V	3.6	0	2.28	307
401430175	2011	10	30	17	V	4.6	0	1.5	321
401430175	2011	10	30	18	V	4.3	0	1.13	276
401430175	2011	10	30	19	V	2.4	0	1.37	317
401430175	2011	10	30	20	V	3.8	0	0.94	248

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	10	30	21	C	-999	0	0	0
401430175	2011	10	30	22	C	-999	0	0	0
401430175	2011	10	30	23	V	8.5	0	0.52	266
401430175	2011	10	30	24	C	-999	0	0	0
401430175	2011	10	31	1	V	21.7	0	1.03	206
401430175	2011	10	31	2	C	-999	0	0	0
401430175	2011	10	31	3	V	28.3	0	0.57	236
401430175	2011	10	31	4	V	19.6	0	0.74	193
401430175	2011	10	31	5	V	16.7	0	0.84	197
401430175	2011	10	31	6	V	46.5	1	0.6	223
401430175	2011	10	31	7	C	-999	1	0	0
401430175	2011	10	31	8	V	42.2	2	0.8	216
401430175	2011	10	31	9	V	13.6	2	0.75	167
401430175	2011	10	31	10	V	15.3	6	1.21	186
401430175	2011	10	31	11	V	12.4	3	3.64	193
401430175	2011	10	31	12	V	10.8	3	4.36	182
401430175	2011	10	31	13	V	14.1	3	4.34	188
401430175	2011	10	31	14	V	11.7	2	5.33	192
401430175	2011	10	31	15	V	10.8	2	5.27	190
401430175	2011	10	31	16	V	10.4	4	5.62	187
401430175	2011	10	31	17	V	11.3	3	4.61	192
401430175	2011	10	31	18	V	5.0	4	2.52	187
401430175	2011	10	31	19	V	7.6	4	1.28	198
401430175	2011	10	31	20	V	14.4	7	1.28	206
401430175	2011	10	31	21	V	3.6	10	2.15	207
401430175	2011	10	31	22	V	4.7	9	1.98	210
401430175	2011	10	31	23	V	14.0	7	1.21	203
401430175	2011	10	31	24	V	8.3	2	1.16	187
401430175	2011	11	1	1	V	27.1	3	0.65	197
401430175	2011	11	1	2	V	8.2	4	0.89	155
401430175	2011	11	1	3	V	4.8	3	0.94	153
401430175	2011	11	1	4	V	2.7	1	1.16	152
401430175	2011	11	1	5	V	2.2	2	2.13	156
401430175	2011	11	1	6	V	1.6	2	2.66	154
401430175	2011	11	1	7	V	2.0	1	2.06	156
401430175	2011	11	1	8	V	12.3	1	3.15	164
401430175	2011	11	1	9	V	11.6	8	4.54	170
401430175	2011	11	1	10	V	7.2	19	6.79	185
401430175	2011	11	1	11	V	9.5	10	7.89	181
401430175	2011	11	1	12	V	11.0	15	7.62	179
401430175	2011	11	1	13	V	11.9	-999	8.23	181
401430175	2011	11	1	14	V	8.6	9	8.62	183
401430175	2011	11	1	15	V	8.4	11	8.22	182
401430175	2011	11	1	16	V	12.8	16	8.03	177
401430175	2011	11	1	17	V	17.9	24	7.32	172
401430175	2011	11	1	18	V	18.6	23	6.29	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	1	19	V	14.8	14	5.02	170
401430175	2011	11	1	20	V	14.0	10	4.51	169
401430175	2011	11	1	21	V	13.9	14	4.7	174
401430175	2011	11	1	22	V	10.3	10	4.32	179
401430175	2011	11	1	23	V	12.7	3	4.02	174
401430175	2011	11	1	24	V	11.7	2	3.83	169
401430175	2011	11	2	1	V	5.8	2	2.84	162
401430175	2011	11	2	2	V	9.9	2	3.71	166
401430175	2011	11	2	3	V	6.9	2	3.83	163
401430175	2011	11	2	4	V	9.4	2	4.07	165
401430175	2011	11	2	5	V	8.8	2	4.03	164
401430175	2011	11	2	6	V	8.2	3	3.88	164
401430175	2011	11	2	7	V	11.2	3	4.26	167
401430175	2011	11	2	8	V	16.8	3	5.45	170
401430175	2011	11	2	9	V	11.3	24	6.58	176
401430175	2011	11	2	10	V	6.8	6	6.79	187
401430175	2011	11	2	11	V	8.3	14	7.13	191
401430175	2011	11	2	12	V	7.3	10	8.39	185
401430175	2011	11	2	13	V	10.2	8	7.06	185
401430175	2011	11	2	14	V	8.4	2	5.67	185
401430175	2011	11	2	15	V	8.1	2	5.38	184
401430175	2011	11	2	16	V	13.3	4	4.36	196
401430175	2011	11	2	17	V	5.7	8	3.78	252
401430175	2011	11	2	18	V	4.3	0	3.71	283
401430175	2011	11	2	19	V	2.7	0	4.51	311
401430175	2011	11	2	20	V	3.0	0	4.53	313
401430175	2011	11	2	21	V	2.6	0	5.43	314
401430175	2011	11	2	22	V	2.7	0	4.61	319
401430175	2011	11	2	23	V	2.7	0	4.32	316
401430175	2011	11	2	24	V	2.3	0	4.34	317
401430175	2011	11	3	1	V	1.7	0	4.59	315
401430175	2011	11	3	2	V	2.1	0	5.12	326
401430175	2011	11	3	3	V	1.4	0	4.53	324
401430175	2011	11	3	4	V	1.7	0	3.17	304
401430175	2011	11	3	5	V	1.9	0	3.4	298
401430175	2011	11	3	6	V	1.6	0	3.1	305
401430175	2011	11	3	7	V	1.7	0	3.32	311
401430175	2011	11	3	8	V	2.9	0	3.49	309
401430175	2011	11	3	9	V	1.7	0	4.02	308
401430175	2011	11	3	10	V	1.7	0	4.77	308
401430175	2011	11	3	11	V	2.9	0	4.42	312
401430175	2011	11	3	12	V	2.9	0	4.94	323
401430175	2011	11	3	13	V	5.5	0	4.82	332
401430175	2011	11	3	14	V	3.2	0	4.37	337
401430175	2011	11	3	15	V	2.5	0	4.2	340
401430175	2011	11	3	16	V	3.1	0	3.91	333

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	3	17	V	4.5	0	3.17	341
401430175	2011	11	3	18	V	4.2	0	1.23	314
401430175	2011	11	3	19	V	2.6	0	1.03	296
401430175	2011	11	3	20	V	3.3	0	0.92	317
401430175	2011	11	3	21	V	2.7	0	0.94	322
401430175	2011	11	3	22	V	32.7	0	0.62	234
401430175	2011	11	3	23	V	40.1	0	0.62	205
401430175	2011	11	3	24	V	27.4	0	0.75	164
401430175	2011	11	4	1	V	6.9	0	0.86	243
401430175	2011	11	4	2	V	4.9	0	0.74	250
401430175	2011	11	4	3	C	-999	0	0	0
401430175	2011	11	4	4	C	-999	0	0	0
401430175	2011	11	4	5	V	16.3	0	0.65	242
401430175	2011	11	4	6	C	-999	1	0	0
401430175	2011	11	4	7	V	41.9	1	0.58	206
401430175	2011	11	4	8	C	-999	2	0	0
401430175	2011	11	4	9	C	-999	2	0	0
401430175	2011	11	4	10	V	13.0	2	0.79	155
401430175	2011	11	4	11	V	4.4	1	1.48	131
401430175	2011	11	4	12	V	4.4	0	1.89	136
401430175	2011	11	4	13	V	10.2	0	1.93	154
401430175	2011	11	4	14	V	5.5	1	2.44	147
401430175	2011	11	4	15	V	2.6	1	3.42	135
401430175	2011	11	4	16	V	7.3	3	3.56	157
401430175	2011	11	4	17	V	16.9	2	3.59	174
401430175	2011	11	4	18	V	8.4	1	2.3	162
401430175	2011	11	4	19	V	5.4	0	1.09	155
401430175	2011	11	4	20	V	38.3	0	0.6	203
401430175	2011	11	4	21	V	31.7	0	1.14	168
401430175	2011	11	4	22	V	6.6	0	1.28	187
401430175	2011	11	4	23	V	15.1	0	2.4	175
401430175	2011	11	4	24	V	14.0	0	1.77	178
401430175	2011	11	5	1	V	5.6	0	2.01	162
401430175	2011	11	5	2	V	8.3	0	2.61	165
401430175	2011	11	5	3	V	9.1	0	2.95	165
401430175	2011	11	5	4	V	11.9	0	3.23	167
401430175	2011	11	5	5	V	7.1	0	3.22	162
401430175	2011	11	5	6	V	7.9	0	3.13	161
401430175	2011	11	5	7	V	5.1	0	3.8	158
401430175	2011	11	5	8	V	5.2	0	4.46	155
401430175	2011	11	5	9	V	3.9	0	4.92	156
401430175	2011	11	5	10	V	7.4	1	5.31	162
401430175	2011	11	5	11	V	11.4	9	6.33	167
401430175	2011	11	5	12	V	13.5	2	7.23	169
401430175	2011	11	5	13	V	8.2	4	7.37	158
401430175	2011	11	5	14	V	10.9	20	7.54	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	5	15	V	5.0	3	7.64	158
401430175	2011	11	5	16	V	4.3	0	6.36	155
401430175	2011	11	5	17	V	8.5	0	5.31	157
401430175	2011	11	5	18	V	9.1	0	4.24	161
401430175	2011	11	5	19	V	13.8	2	4.54	170
401430175	2011	11	5	20	V	12.8	6	4.26	168
401430175	2011	11	5	21	V	11.0	1	3.98	167
401430175	2011	11	5	22	V	12.0	0	4.31	167
401430175	2011	11	5	23	V	12.6	0	4.14	169
401430175	2011	11	5	24	V	13.0	1	4.24	171
401430175	2011	11	6	1	V	13.7	4	4.95	171
401430175	2011	11	6	2	V	13.1	3	4.58	168
401430175	2011	11	6	3	V	10.6	2	4.46	165
401430175	2011	11	6	4	V	15.6	4	5.38	172
401430175	2011	11	6	5	V	15.3	5	5.85	176
401430175	2011	11	6	6	V	11.0	5	6.12	184
401430175	2011	11	6	7	V	9.0	3	5.73	185
401430175	2011	11	6	8	V	8.7	4	5.04	186
401430175	2011	11	6	9	V	7.2	2	5.5	187
401430175	2011	11	6	10	V	7.0	1	6.58	185
401430175	2011	11	6	11	V	8.0	1	6.74	187
401430175	2011	11	6	12	V	9.1	1	6.8	183
401430175	2011	11	6	13	V	11.2	7	6.75	185
401430175	2011	11	6	14	V	8.6	1	6.67	185
401430175	2011	11	6	15	V	14.0	1	5.97	176
401430175	2011	11	6	16	V	15.9	1	6.47	174
401430175	2011	11	6	17	V	20.5	1	5.02	172
401430175	2011	11	6	18	V	14.1	1	3.58	168
401430175	2011	11	6	19	V	13.3	1	2.79	165
401430175	2011	11	6	20	V	15.3	1	2.15	167
401430175	2011	11	6	21	V	2.7	1	0.99	135
401430175	2011	11	6	22	V	2.5	1	1.35	148
401430175	2011	11	6	23	V	5.5	1	0.91	152
401430175	2011	11	6	24	V	2.1	0	1.47	127
401430175	2011	11	7	1	V	10.0	1	1.35	234
401430175	2011	11	7	2	V	1.7	0	1.54	136
401430175	2011	11	7	3	V	1.1	0	1.69	130
401430175	2011	11	7	4	V	1.6	0	1.84	111
401430175	2011	11	7	5	V	1.8	0	2.5	125
401430175	2011	11	7	6	V	12.8	0	0.91	159
401430175	2011	11	7	7	V	1.8	0	1.64	154
401430175	2011	11	7	8	V	6.0	0	2.81	156
401430175	2011	11	7	9	V	2.6	0	3.29	149
401430175	2011	11	7	10	V	2.3	0	2.96	147
401430175	2011	11	7	11	V	2.8	0	5.43	140
401430175	2011	11	7	12	V	2.8	0	5.96	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	7	13	V	6.3	0	5.62	154
401430175	2011	11	7	14	V	12.0	1	4.83	164
401430175	2011	11	7	15	V	4.9	1	6.4	158
401430175	2011	11	7	16	V	7.9	0	5.95	161
401430175	2011	11	7	17	V	13.8	0	6.11	162
401430175	2011	11	7	18	V	15.4	0	5.96	165
401430175	2011	11	7	19	V	7.9	0	5.94	159
401430175	2011	11	7	20	V	5.7	0	5.05	156
401430175	2011	11	7	21	V	9.9	0	5.29	162
401430175	2011	11	7	22	V	12.9	0	5.21	165
401430175	2011	11	7	23	V	11.3	2	4.42	164
401430175	2011	11	7	24	V	2.2	2	2.23	303
401430175	2011	11	8	1	V	1.4	1	3.08	282
401430175	2011	11	8	2	V	1.7	1	2.08	97
401430175	2011	11	8	3	V	1.1	0	3.64	129
401430175	2011	11	8	4	V	1.6	0	2.13	116
401430175	2011	11	8	5	V	1.9	0	2.64	143
401430175	2011	11	8	6	V	1.6	0	2.54	119
401430175	2011	11	8	7	V	1.6	0	2.05	129
401430175	2011	11	8	8	V	2.8	0	2.45	137
401430175	2011	11	8	9	V	1.9	0	2.98	140
401430175	2011	11	8	10	V	1.7	0	4.25	105
401430175	2011	11	8	11	V	3.2	0	2.47	110
401430175	2011	11	8	12	V	7.5	-999	3.44	159
401430175	2011	11	8	13	V	5.5	-999	3.52	145
401430175	2011	11	8	14	V	11.8	-999	2.37	162
401430175	2011	11	8	15	V	24.0	-999	2.44	213
401430175	2011	11	8	16	V	3.1	-999	2.96	257
401430175	2011	11	8	17	V	7.0	-999	4.17	248
401430175	2011	11	8	18	V	6.0	-999	4	249
401430175	2011	11	8	19	V	3.6	-999	3.34	250
401430175	2011	11	8	20	V	3.0	-999	3.73	258
401430175	2011	11	8	21	V	2.3	-999	3.52	262
401430175	2011	11	8	22	V	2.7	-999	4.46	266
401430175	2011	11	8	23	V	2.6	-999	3.88	276
401430175	2011	11	8	24	V	2.2	-999	4.29	276
401430175	2011	11	9	1	V	1.7	-999	4.77	309
401430175	2011	11	9	2	V	2.1	-999	4.95	317
401430175	2011	11	9	3	V	1.4	-999	4.56	326
401430175	2011	11	9	4	V	1.8	-999	4.54	338
401430175	2011	11	9	5	V	1.9	-999	3.41	335
401430175	2011	11	9	6	V	1.7	-999	3.71	341
401430175	2011	11	9	7	V	1.7	-999	2.27	336
401430175	2011	11	9	8	V	2.8	-999	1.72	302
401430175	2011	11	9	9	V	2.0	-999	2.57	316
401430175	2011	11	9	10	V	1.8	-999	3.18	327

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	9	11	V	3.0	-999	3.52	331
401430175	2011	11	9	12	V	3.0	-999	3.74	343
401430175	2011	11	9	13	V	5.5	-999	4.41	346
401430175	2011	11	9	14	V	3.2	-999	4.07	348
401430175	2011	11	9	15	V	2.5	-999	3.81	344
401430175	2011	11	9	16	V	3.1	-999	3.64	330
401430175	2011	11	9	17	V	4.5	-999	3.58	332
401430175	2011	11	9	18	V	4.1	-999	2.33	333
401430175	2011	11	9	19	V	2.4	0	1.55	321
401430175	2011	11	9	20	V	2.7	0	1.45	310
401430175	2011	11	9	21	V	2.6	0	1.03	295
401430175	2011	11	9	22	V	3.1	0	0.89	292
401430175	2011	11	9	23	V	21.4	0	0.77	197
401430175	2011	11	9	24	V	46.1	0	0.75	218
401430175	2011	11	10	1	V	16.3	1	1.14	204
401430175	2011	11	10	2	V	34.3	0	0.53	234
401430175	2011	11	10	3	C	-999	0	0	0
401430175	2011	11	10	4	C	-999	0	0	0
401430175	2011	11	10	5	C	-999	0	0	0
401430175	2011	11	10	6	V	36.2	0	0.7	206
401430175	2011	11	10	7	V	26.6	1	0.86	205
401430175	2011	11	10	8	V	45.9	1	0.89	224
401430175	2011	11	10	9	V	18.9	1	1.67	227
401430175	2011	11	10	10	V	17.3	0	2.16	223
401430175	2011	11	10	11	V	15.0	1	2.79	229
401430175	2011	11	10	12	V	10.1	0	2.54	239
401430175	2011	11	10	13	V	5.8	0	2.98	281
401430175	2011	11	10	14	V	3.5	0	3.06	286
401430175	2011	11	10	15	V	2.8	1	3.1	282
401430175	2011	11	10	16	V	3.4	0	2.79	268
401430175	2011	11	10	17	V	6.8	0	1.99	246
401430175	2011	11	10	18	V	16.3	1	1.25	233
401430175	2011	11	10	19	C	-999	2	0	0
401430175	2011	11	10	20	V	6.7	2	0.58	260
401430175	2011	11	10	21	V	47.4	1	0.57	225
401430175	2011	11	10	22	V	7.6	2	0.53	326
401430175	2011	11	10	23	V	7.2	3	0.55	270
401430175	2011	11	10	24	V	17.1	3	0.89	160
401430175	2011	11	11	1	V	4.5	16	1.7	199
401430175	2011	11	11	2	V	2.8	24	1.87	195
401430175	2011	11	11	3	V	17.6	7	1.25	209
401430175	2011	11	11	4	V	30.2	11	0.72	233
401430175	2011	11	11	5	V	4.8	23	1.82	208
401430175	2011	11	11	6	V	25.3	7	4.39	216
401430175	2011	11	11	7	V	2.0	28	2.96	195
401430175	2011	11	11	8	V	3.9	37	2.76	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	11	9	V	11.0	45	2.5	183
401430175	2011	11	11	10	V	12.5	62	4.65	200
401430175	2011	11	11	11	V	16.0	50	6.55	206
401430175	2011	11	11	12	V	16.5	47	7.98	206
401430175	2011	11	11	13	V	18.7	59	7.79	205
401430175	2011	11	11	14	V	16.1	49	7.6	204
401430175	2011	11	11	15	V	16.3	64	7.13	205
401430175	2011	11	11	16	V	11.8	33	6.07	195
401430175	2011	11	11	17	V	13.6	72	6.23	191
401430175	2011	11	11	18	V	6.5	28	5.12	196
401430175	2011	11	11	19	V	4.4	1	3.81	188
401430175	2011	11	11	20	V	5.1	1	2.16	184
401430175	2011	11	11	21	V	10.7	1	1.69	180
401430175	2011	11	11	22	V	26.6	1	0.69	198
401430175	2011	11	11	23	V	3.0	1	1.96	191
401430175	2011	11	11	24	V	3.8	1	3.25	188
401430175	2011	11	12	1	V	2.5	1	1.84	187
401430175	2011	11	12	2	V	3.4	1	2.73	185
401430175	2011	11	12	3	V	3.9	2	4.12	187
401430175	2011	11	12	4	V	5.1	1	5.27	188
401430175	2011	11	12	5	V	4.6	1	4.9	189
401430175	2011	11	12	6	V	7.3	1	4.37	183
401430175	2011	11	12	7	V	8.5	1	5.34	183
401430175	2011	11	12	8	V	11.1	1	5.75	183
401430175	2011	11	12	9	V	7.7	1	7.23	182
401430175	2011	11	12	10	V	6.9	1	7.33	185
401430175	2011	11	12	11	V	7.8	1	8.39	184
401430175	2011	11	12	12	V	7.3	2	9.08	188
401430175	2011	11	12	13	V	11.7	6	9.02	193
401430175	2011	11	12	14	V	10.2	13	9.95	195
401430175	2011	11	12	15	V	8.2	12	8.86	192
401430175	2011	11	12	16	V	10.6	28	9.08	195
401430175	2011	11	12	17	V	15.8	16	7.2	191
401430175	2011	11	12	18	V	8.5	8	4.94	186
401430175	2011	11	12	19	V	8.6	1	4.71	183
401430175	2011	11	12	20	V	6.6	1	4.46	186
401430175	2011	11	12	21	V	6.1	1	5.53	189
401430175	2011	11	12	22	V	13.6	1	7.33	192
401430175	2011	11	12	23	V	19.4	11	9.2	197
401430175	2011	11	12	24	V	19.5	21	7.84	198
401430175	2011	11	13	1	V	15.5	11	7.23	196
401430175	2011	11	13	2	V	17.0	7	7.08	198
401430175	2011	11	13	3	V	12.4	8	6.53	196
401430175	2011	11	13	4	V	8.2	21	5.82	197
401430175	2011	11	13	5	V	13.8	8	6.45	198
401430175	2011	11	13	6	V	8.0	22	5.73	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	13	7	V	3.0	34	4.26	200
401430175	2011	11	13	8	V	4.6	54	4.29	199
401430175	2011	11	13	9	V	13.5	50	5.89	202
401430175	2011	11	13	10	V	16.1	75	6.74	213
401430175	2011	11	13	11	V	19.5	75	6.6	213
401430175	2011	11	13	12	V	20.9	33	5.28	221
401430175	2011	11	13	13	V	22.3	29	6.35	214
401430175	2011	11	13	14	V	19.9	31	6.57	214
401430175	2011	11	13	15	V	20.9	63	5.67	216
401430175	2011	11	13	16	V	25.6	46	3.1	218
401430175	2011	11	13	17	V	4.3	7	0.99	282
401430175	2011	11	13	18	V	25.8	7	0.65	187
401430175	2011	11	13	19	V	36.6	3	0.8	215
401430175	2011	11	13	20	V	3.2	2	2.35	187
401430175	2011	11	13	21	V	4.0	6	4.49	191
401430175	2011	11	13	22	V	5.0	3	3.54	186
401430175	2011	11	13	23	V	4.6	2	4.92	195
401430175	2011	11	13	24	V	7.0	2	5.44	199
401430175	2011	11	14	1	V	6.2	26	5.39	200
401430175	2011	11	14	2	V	4.3	43	4.85	200
401430175	2011	11	14	3	V	2.9	60	4.17	203
401430175	2011	11	14	4	V	2.4	34	3.03	192
401430175	2011	11	14	5	V	3.2	31	4.27	198
401430175	2011	11	14	6	V	3.2	36	3.2	199
401430175	2011	11	14	7	V	3.7	38	3.05	207
401430175	2011	11	14	8	V	22.8	20	3.97	219
401430175	2011	11	14	9	V	4.1	4	2.37	247
401430175	2011	11	14	10	V	2.1	1	2.33	295
401430175	2011	11	14	11	V	3.2	1	2.21	323
401430175	2011	11	14	12	V	3.8	-999	1.45	310
401430175	2011	11	14	13	V	6.0	-999	1.69	317
401430175	2011	11	14	14	V	3.4	1	1.72	342
401430175	2011	11	14	15	V	2.7	1	1.47	353
401430175	2011	11	14	16	V	3.3	1	0.92	271
401430175	2011	11	14	17	V	4.5	1	1.47	358
401430175	2011	11	14	18	V	4.3	2	1.21	333
401430175	2011	11	14	19	V	2.4	1	1.99	13
401430175	2011	11	14	20	V	2.7	1	2.1	108
401430175	2011	11	14	21	V	2.2	1	2.28	99
401430175	2011	11	14	22	V	2.4	1	1.4	134
401430175	2011	11	14	23	V	2.8	1	1.03	299
401430175	2011	11	14	24	V	3.9	1	1.67	196
401430175	2011	11	15	1	V	12.5	2	3.86	174
401430175	2011	11	15	2	V	12.2	1	3.12	178
401430175	2011	11	15	3	V	1.2	1	1.23	359
401430175	2011	11	15	4	V	1.8	1	1.21	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	15	5	V	3.9	1	0.69	356
401430175	2011	11	15	6	C	-999	1	0	0
401430175	2011	11	15	7	V	2.6	1	0.82	16
401430175	2011	11	15	8	V	5.1	1	0.65	25
401430175	2011	11	15	9	V	2.4	1	1.7	15
401430175	2011	11	15	10	V	2.9	1	1.72	26
401430175	2011	11	15	11	V	4.3	1	1.84	31
401430175	2011	11	15	12	V	4.8	3	1.77	33
401430175	2011	11	15	13	V	8.1	2	2.08	39
401430175	2011	11	15	14	V	4.3	1	2.78	31
401430175	2011	11	15	15	V	3.2	1	2.88	31
401430175	2011	11	15	16	V	3.2	1	2.86	25
401430175	2011	11	15	17	V	4.4	1	2.67	21
401430175	2011	11	15	18	V	4.1	1	1.93	6
401430175	2011	11	15	19	V	2.3	1	2.52	7
401430175	2011	11	15	20	V	2.7	1	3.49	15
401430175	2011	11	15	21	V	2.1	1	2.62	6
401430175	2011	11	15	22	V	2.4	1	3.29	8
401430175	2011	11	15	23	V	2.5	1	4.15	16
401430175	2011	11	15	24	V	2.3	1	5.24	13
401430175	2011	11	16	1	V	1.6	1	5.12	11
401430175	2011	11	16	2	V	1.9	1	5.6	11
401430175	2011	11	16	3	V	1.3	1	5.29	10
401430175	2011	11	16	4	V	1.7	1	4.56	15
401430175	2011	11	16	5	V	1.9	0	4.09	17
401430175	2011	11	16	6	V	1.6	0	4.14	17
401430175	2011	11	16	7	V	1.8	0	5.16	15
401430175	2011	11	16	8	V	3.1	0	5.67	16
401430175	2011	11	16	9	V	1.7	0	6.02	23
401430175	2011	11	16	10	V	1.6	1	7.67	27
401430175	2011	11	16	11	V	2.8	1	7.01	26
401430175	2011	11	16	12	V	2.8	0	7.99	24
401430175	2011	11	16	13	V	5.4	0	8.56	23
401430175	2011	11	16	14	V	3.0	0	8.39	16
401430175	2011	11	16	15	V	2.4	0	7.62	14
401430175	2011	11	16	16	V	3.0	0	7.54	24
401430175	2011	11	16	17	V	4.7	0	6.72	24
401430175	2011	11	16	18	V	4.4	1	4.94	23
401430175	2011	11	16	19	V	2.7	0	5.87	3
401430175	2011	11	16	20	V	2.9	0	5.14	11
401430175	2011	11	16	21	V	2.2	0	2.96	4
401430175	2011	11	16	22	V	2.3	0	1.77	334
401430175	2011	11	16	23	V	2.4	0	2.13	337
401430175	2011	11	16	24	V	2.0	0	1.89	330
401430175	2011	11	17	1	V	1.3	0	2.03	337
401430175	2011	11	17	2	V	1.9	0	1.21	342

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	17	3	V	1.2	0	1.23	308
401430175	2011	11	17	4	V	1.9	0	1.18	290
401430175	2011	11	17	5	V	2.0	0	1.28	358
401430175	2011	11	17	6	V	3.3	0	0.7	319
401430175	2011	11	17	7	V	2.3	0	0.97	251
401430175	2011	11	17	8	V	29.4	0	0.89	207
401430175	2011	11	17	9	V	19.9	0	0.89	204
401430175	2011	11	17	10	V	3.9	0	1.48	137
401430175	2011	11	17	11	V	5.1	4	1.79	140
401430175	2011	11	17	12	V	13.4	10	2.4	184
401430175	2011	11	17	13	V	15.9	13	3.29	194
401430175	2011	11	17	14	V	13.3	10	3.93	195
401430175	2011	11	17	15	V	9.9	9	4.27	185
401430175	2011	11	17	16	V	15.3	11	4.48	177
401430175	2011	11	17	17	V	15.1	14	4.09	168
401430175	2011	11	17	18	V	13.5	6	3.13	166
401430175	2011	11	17	19	V	6.7	1	3.23	161
401430175	2011	11	17	20	V	10.9	0	3.51	165
401430175	2011	11	17	21	V	12.4	7	4.15	172
401430175	2011	11	17	22	V	13.6	31	3.51	169
401430175	2011	11	17	23	V	13.6	12	3.1	168
401430175	2011	11	17	24	V	10.7	26	4	176
401430175	2011	11	18	1	V	6.0	20	3.34	183
401430175	2011	11	18	2	V	6.3	8	3.85	183
401430175	2011	11	18	3	V	8.9	20	4.15	178
401430175	2011	11	18	4	V	14.4	25	5.38	172
401430175	2011	11	18	5	V	14.3	34	5.43	174
401430175	2011	11	18	6	V	13.4	53	4.97	173
401430175	2011	11	18	7	V	13.7	38	5.07	171
401430175	2011	11	18	8	V	15.1	51	5.05	171
401430175	2011	11	18	9	V	11.1	46	7.59	175
401430175	2011	11	18	10	V	9.0	31	8.91	178
401430175	2011	11	18	11	V	13.0	27	8.91	175
401430175	2011	11	18	12	V	12.4	33	8.85	176
401430175	2011	11	18	13	V	12.8	10	9.39	179
401430175	2011	11	18	14	V	9.3	25	8.86	181
401430175	2011	11	18	15	V	13.3	25	8.27	174
401430175	2011	11	18	16	V	7.2	11	8.44	186
401430175	2011	11	18	17	V	16.8	15	7.35	182
401430175	2011	11	18	18	V	16.2	33	5.36	175
401430175	2011	11	18	19	V	11.3	23	4.83	165
401430175	2011	11	18	20	V	13.3	18	4.31	167
401430175	2011	11	18	21	V	13.1	12	5.27	166
401430175	2011	11	18	22	V	7.6	6	5.58	159
401430175	2011	11	18	23	V	9.2	9	5.22	161
401430175	2011	11	18	24	V	10.4	8	5.04	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	19	1	V	18.7	23	7.31	170
401430175	2011	11	19	2	V	18.5	55	6.67	171
401430175	2011	11	19	3	V	16.1	45	6.79	177
401430175	2011	11	19	4	V	12.1	26	7.15	184
401430175	2011	11	19	5	V	8.5	8	5.9	188
401430175	2011	11	19	6	V	10.6	6	6.5	187
401430175	2011	11	19	7	V	11.9	6	6.84	185
401430175	2011	11	19	8	V	13.6	2	6.75	184
401430175	2011	11	19	9	V	6.8	3	6.74	187
401430175	2011	11	19	10	V	6.7	11	8.66	191
401430175	2011	11	19	11	V	11.7	18	9.44	197
401430175	2011	11	19	12	V	12.1	22	9.51	198
401430175	2011	11	19	13	V	16.2	27	8.83	201
401430175	2011	11	19	14	V	14.0	28	7.89	200
401430175	2011	11	19	15	V	8.7	14	8.1	192
401430175	2011	11	19	16	V	9.3	15	6.53	183
401430175	2011	11	19	17	V	11.6	9	5.09	184
401430175	2011	11	19	18	V	7.7	3	3.66	185
401430175	2011	11	19	19	V	12.8	4	2.49	176
401430175	2011	11	19	20	V	13.9	6	2.33	167
401430175	2011	11	19	21	V	2.5	1	5.6	2
401430175	2011	11	19	22	V	2.6	0	5.11	7
401430175	2011	11	19	23	V	2.8	0	5.94	12
401430175	2011	11	19	24	V	2.3	0	5.34	17
401430175	2011	11	20	1	V	1.7	0	5.87	19
401430175	2011	11	20	2	V	2.0	0	5.67	19
401430175	2011	11	20	3	V	1.4	1	5.29	24
401430175	2011	11	20	4	V	1.8	1	4.7	25
401430175	2011	11	20	5	V	2.0	1	4.1	11
401430175	2011	11	20	6	V	1.7	0	4.1	5
401430175	2011	11	20	7	V	1.8	0	4.41	9
401430175	2011	11	20	8	V	2.9	0	4.29	3
401430175	2011	11	20	9	V	1.7	0	3.68	357
401430175	2011	11	20	10	V	1.6	0	3.37	348
401430175	2011	11	20	11	V	2.9	0	3.13	339
401430175	2011	11	20	12	V	2.9	0	3.07	341
401430175	2011	11	20	13	V	5.5	0	2.78	334
401430175	2011	11	20	14	V	3.2	0	2.95	343
401430175	2011	11	20	15	V	2.5	0	2.88	355
401430175	2011	11	20	16	V	3.0	0	2.62	357
401430175	2011	11	20	17	V	4.4	0	2.52	10
401430175	2011	11	20	18	V	4.2	0	2.42	17
401430175	2011	11	20	19	V	2.4	0	3.22	22
401430175	2011	11	20	20	V	2.7	0	3.52	18
401430175	2011	11	20	21	V	2.2	0	3.08	11
401430175	2011	11	20	22	V	2.4	0	2.18	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	20	23	V	2.5	0	2.5	3
401430175	2011	11	20	24	V	2.1	0	2.25	352
401430175	2011	11	21	1	V	1.4	0	2.18	346
401430175	2011	11	21	2	V	1.7	0	2.76	3
401430175	2011	11	21	3	V	1.1	0	2.73	356
401430175	2011	11	21	4	V	1.7	0	2.44	348
401430175	2011	11	21	5	V	1.9	0	1.84	351
401430175	2011	11	21	6	V	1.7	0	2.33	1
401430175	2011	11	21	7	V	1.7	0	2.49	11
401430175	2011	11	21	8	V	2.9	0	2.69	7
401430175	2011	11	21	9	V	1.8	0	2.76	15
401430175	2011	11	21	10	V	2.0	0	2.11	8
401430175	2011	11	21	11	V	2.9	0	3.13	13
401430175	2011	11	21	12	V	3.1	1	1.94	20
401430175	2011	11	21	13	V	5.7	3	2.33	61
401430175	2011	11	21	14	V	3.2	3	2.79	25
401430175	2011	11	21	15	V	2.5	3	2.22	4
401430175	2011	11	21	16	V	3.0	4	3	4
401430175	2011	11	21	17	V	4.4	1	3.63	20
401430175	2011	11	21	18	V	4.3	1	4.08	25
401430175	2011	11	21	19	V	2.5	0	4.34	11
401430175	2011	11	21	20	V	2.7	1	2.37	355
401430175	2011	11	21	21	V	2.3	0	4.65	357
401430175	2011	11	21	22	V	2.4	0	3.01	4
401430175	2011	11	21	23	V	2.5	0	2.08	8
401430175	2011	11	21	24	V	2.1	1	1.99	331
401430175	2011	11	22	1	V	1.4	0	2.66	337
401430175	2011	11	22	2	V	1.7	0	3.01	342
401430175	2011	11	22	3	V	1.2	0	3.8	337
401430175	2011	11	22	4	V	1.7	0	2.64	316
401430175	2011	11	22	5	V	1.9	0	3.32	336
401430175	2011	11	22	6	V	1.7	0	2.62	338
401430175	2011	11	22	7	V	1.7	0	2.05	333
401430175	2011	11	22	8	V	2.9	1	1.26	318
401430175	2011	11	22	9	V	2.2	0	1.33	301
401430175	2011	11	22	10	V	1.9	0	2.4	307
401430175	2011	11	22	11	V	3.0	0	2.93	304
401430175	2011	11	22	12	V	3.2	-999	2.49	307
401430175	2011	11	22	13	V	5.7	0	2.55	302
401430175	2011	11	22	14	V	3.2	0	2.73	305
401430175	2011	11	22	15	V	2.5	0	3.01	304
401430175	2011	11	22	16	V	3.1	0	2.74	306
401430175	2011	11	22	17	V	4.6	0	2.1	305
401430175	2011	11	22	18	V	4.1	0	2.13	299
401430175	2011	11	22	19	V	2.5	0	1.21	314
401430175	2011	11	22	20	V	3.8	0	0.8	297

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	22	21	V	2.8	0	0.94	293
401430175	2011	11	22	22	V	3.5	0	0.79	296
401430175	2011	11	22	23	V	4.6	1	0.67	266
401430175	2011	11	22	24	V	3.7	1	0.75	255
401430175	2011	11	23	1	V	8.7	1	0.7	245
401430175	2011	11	23	2	C	-999	1	0	0
401430175	2011	11	23	3	C	-999	1	0	0
401430175	2011	11	23	4	V	35.3	1	0.86	213
401430175	2011	11	23	5	C	-999	1	0	0
401430175	2011	11	23	6	V	21.2	1	0.62	239
401430175	2011	11	23	7	V	41.4	1	0.96	219
401430175	2011	11	23	8	C	-999	3	0	0
401430175	2011	11	23	9	V	36.9	3	0.55	210
401430175	2011	11	23	10	V	15.6	4	0.97	181
401430175	2011	11	23	11	V	12.1	4	1.03	154
401430175	2011	11	23	12	V	10.8	2	1.33	154
401430175	2011	11	23	13	V	15.8	3	2.33	188
401430175	2011	11	23	14	V	13.2	1	2.52	188
401430175	2011	11	23	15	V	13.2	2	2.2	168
401430175	2011	11	23	16	V	3.3	1	2.67	144
401430175	2011	11	23	17	V	4.5	1	2.66	146
401430175	2011	11	23	18	V	9.1	1	1.62	161
401430175	2011	11	23	19	V	33.4	1	0.77	167
401430175	2011	11	23	20	V	29.6	1	0.77	204
401430175	2011	11	23	21	V	44.2	1	0.89	218
401430175	2011	11	23	22	V	15.4	13	1.03	198
401430175	2011	11	23	23	V	24.0	2	0.69	194
401430175	2011	11	23	24	C	-999	6	0	0
401430175	2011	11	24	1	V	15.1	1	0.89	193
401430175	2011	11	24	2	V	25.4	1	0.65	194
401430175	2011	11	24	3	V	16.0	1	1.08	202
401430175	2011	11	24	4	V	18.4	1	0.84	187
401430175	2011	11	24	5	V	13.8	0	0.94	159
401430175	2011	11	24	6	V	10.8	1	2.11	178
401430175	2011	11	24	7	V	28.0	8	1.26	176
401430175	2011	11	24	8	V	10.3	3	2.59	162
401430175	2011	11	24	9	V	14.0	2	3.91	170
401430175	2011	11	24	10	V	11.5	17	4.71	177
401430175	2011	11	24	11	V	10.9	10	4.54	180
401430175	2011	11	24	12	V	9.9	9	5.29	181
401430175	2011	11	24	13	V	11.1	16	4.56	162
401430175	2011	11	24	14	V	6.5	1	5.44	158
401430175	2011	11	24	15	V	12.2	1	6.02	166
401430175	2011	11	24	16	V	13.3	1	5.87	166
401430175	2011	11	24	17	V	14.8	0	5.46	165
401430175	2011	11	24	18	V	15.4	22	4.53	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	24	19	V	12.1	26	4.14	175
401430175	2011	11	24	20	V	12.9	22	4.17	174
401430175	2011	11	24	21	V	13.4	19	4.6	170
401430175	2011	11	24	22	V	14.9	33	4.83	173
401430175	2011	11	24	23	V	14.3	26	5.07	176
401430175	2011	11	24	24	V	15.9	38	5.82	174
401430175	2011	11	25	1	V	13.8	39	5.16	175
401430175	2011	11	25	2	V	11.3	21	3.97	177
401430175	2011	11	25	3	V	13.5	29	5.5	176
401430175	2011	11	25	4	V	14.5	26	6.09	177
401430175	2011	11	25	5	V	13.5	15	5.82	180
401430175	2011	11	25	6	V	12.5	20	6.16	182
401430175	2011	11	25	7	V	10.9	19	5.58	182
401430175	2011	11	25	8	V	14.2	14	6.02	181
401430175	2011	11	25	9	V	8.5	5	6.41	181
401430175	2011	11	25	10	V	7.1	19	7.65	183
401430175	2011	11	25	11	V	7.3	7	8.01	185
401430175	2011	11	25	12	V	7.5	21	9.05	185
401430175	2011	11	25	13	V	10.0	24	8.95	186
401430175	2011	11	25	14	V	9.1	15	7.96	182
401430175	2011	11	25	15	V	7.1	9	6.89	185
401430175	2011	11	25	16	V	8.4	6	6.14	191
401430175	2011	11	25	17	V	14.7	3	5.72	182
401430175	2011	11	25	18	V	14.4	5	5.16	180
401430175	2011	11	25	19	V	12.9	3	4.05	176
401430175	2011	11	25	20	V	12.2	5	3.8	166
401430175	2011	11	25	21	V	8.7	2	3.88	162
401430175	2011	11	25	22	V	13.6	2	4.27	168
401430175	2011	11	25	23	V	10.5	10	3.41	164
401430175	2011	11	25	24	V	3.6	2	2.84	154
401430175	2011	11	26	1	V	2.6	1	3.12	153
401430175	2011	11	26	2	V	9.1	1	3.01	162
401430175	2011	11	26	3	V	11.8	6	3.32	177
401430175	2011	11	26	4	V	8.9	9	3.29	181
401430175	2011	11	26	5	V	7.1	8	4.14	185
401430175	2011	11	26	6	V	7.4	7	4.82	185
401430175	2011	11	26	7	V	5.9	5	5.21	189
401430175	2011	11	26	8	V	7.3	8	4.75	205
401430175	2011	11	26	9	V	1.7	1	4.95	333
401430175	2011	11	26	10	V	1.7	0	3.74	329
401430175	2011	11	26	11	V	2.9	0	4.49	321
401430175	2011	11	26	12	V	2.9	0	5.63	335
401430175	2011	11	26	13	V	5.4	0	5.17	330
401430175	2011	11	26	14	V	3.1	0	5.63	338
401430175	2011	11	26	15	V	2.4	0	5.16	342
401430175	2011	11	26	16	V	3.0	0	5.72	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	26	17	V	4.5	0	4.31	345
401430175	2011	11	26	18	V	4.3	0	4.24	343
401430175	2011	11	26	19	V	2.5	0	4.63	343
401430175	2011	11	26	20	V	3.0	0	5.5	346
401430175	2011	11	26	21	V	2.5	0	5.68	345
401430175	2011	11	26	22	V	2.7	0	5.75	346
401430175	2011	11	26	23	V	2.7	0	5.89	343
401430175	2011	11	26	24	V	2.2	0	5.31	343
401430175	2011	11	27	1	V	1.6	0	5.29	342
401430175	2011	11	27	2	V	1.8	0	5.11	340
401430175	2011	11	27	3	V	1.3	0	5.24	342
401430175	2011	11	27	4	V	1.7	0	4.41	337
401430175	2011	11	27	5	V	1.9	0	4.14	334
401430175	2011	11	27	6	V	1.6	0	3.51	325
401430175	2011	11	27	7	V	1.7	0	3.39	320
401430175	2011	11	27	8	V	2.8	0	3.37	324
401430175	2011	11	27	9	V	1.8	0	3.88	331
401430175	2011	11	27	10	V	1.6	0	4.71	339
401430175	2011	11	27	11	V	2.9	0	4.9	340
401430175	2011	11	27	12	V	2.9	0	4.92	342
401430175	2011	11	27	13	V	5.6	0	4.25	332
401430175	2011	11	27	14	V	3.3	0	3.86	326
401430175	2011	11	27	15	V	2.5	0	4.39	339
401430175	2011	11	27	16	V	3.1	0	3.83	340
401430175	2011	11	27	17	V	4.4	0	3.64	343
401430175	2011	11	27	18	V	4.1	0	1.88	335
401430175	2011	11	27	19	V	2.5	0	1.28	315
401430175	2011	11	27	20	V	2.7	0	1.55	317
401430175	2011	11	27	21	V	2.2	0	1.54	315
401430175	2011	11	27	22	V	2.7	0	1.03	307
401430175	2011	11	27	23	V	2.9	0	1.01	317
401430175	2011	11	27	24	V	2.1	0	1.33	317
401430175	2011	11	28	1	V	1.4	0	1.62	330
401430175	2011	11	28	2	V	14.1	0	1.09	235
401430175	2011	11	28	3	V	19.1	0	1.06	233
401430175	2011	11	28	4	V	3.3	0	0.72	274
401430175	2011	11	28	5	V	2.3	0	1.03	15
401430175	2011	11	28	6	V	2.0	0	1.01	288
401430175	2011	11	28	7	V	2.2	1	0.92	327
401430175	2011	11	28	8	V	4.5	2	0.7	310
401430175	2011	11	28	9	M	-999	1	1.38	348
401430175	2011	11	28	10	M	-999	1	2.25	36
401430175	2011	11	28	11	M	-999	1	2.2	13
401430175	2011	11	28	12	M	-999	0	2.55	1
401430175	2011	11	28	13	M	-999	0	2.54	8
401430175	2011	11	28	14	M	-999	1	1.89	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	28	15	M	-999	1	2.5	23
401430175	2011	11	28	16	M	-999	0	1.96	330
401430175	2011	11	28	17	V	4.3	0	1.89	339
401430175	2011	11	28	18	V	4.8	0	0.91	288
401430175	2011	11	28	19	V	2.6	1	1.13	337
401430175	2011	11	28	20	V	3.8	2	0.77	306
401430175	2011	11	28	21	V	3.2	1	0.8	313
401430175	2011	11	28	22	V	5.3	1	0.63	358
401430175	2011	11	28	23	V	3.5	1	0.82	295
401430175	2011	11	28	24	V	2.5	1	0.97	307
401430175	2011	11	29	1	V	5.6	1	0.63	138
401430175	2011	11	29	2	V	2.2	0	0.96	290
401430175	2011	11	29	3	V	11.2	0	1.01	237
401430175	2011	11	29	4	V	2.9	0	0.75	317
401430175	2011	11	29	5	V	2.4	0	0.96	312
401430175	2011	11	29	6	V	1.6	1	2.79	336
401430175	2011	11	29	7	V	1.7	1	3.73	350
401430175	2011	11	29	8	V	2.8	0	3.95	349
401430175	2011	11	29	9	V	1.7	0	5.21	356
401430175	2011	11	29	10	V	1.7	0	5.04	359
401430175	2011	11	29	11	V	2.9	0	4.68	354
401430175	2011	11	29	12	V	3.0	-999	3.73	336
401430175	2011	11	29	13	V	5.5	0	4.29	343
401430175	2011	11	29	14	V	3.2	0	4.27	341
401430175	2011	11	29	15	V	2.4	0	4.68	358
401430175	2011	11	29	16	V	3.0	0	4.92	9
401430175	2011	11	29	17	V	4.5	0	4.6	10
401430175	2011	11	29	18	V	4.1	0	2.25	2
401430175	2011	11	29	19	V	2.3	0	1.98	341
401430175	2011	11	29	20	V	2.7	0	1.47	335
401430175	2011	11	29	21	V	2.1	0	1.65	335
401430175	2011	11	29	22	V	2.3	0	1.74	321
401430175	2011	11	29	23	V	2.8	0	1.08	320
401430175	2011	11	29	24	V	3.3	0	0.77	264
401430175	2011	11	30	1	V	31.1	0	0.58	235
401430175	2011	11	30	2	C	-999	0	0	0
401430175	2011	11	30	3	C	-999	0	0	0
401430175	2011	11	30	4	C	-999	0	0	0
401430175	2011	11	30	5	V	6.3	0	0.55	300
401430175	2011	11	30	6	V	42.9	1	0.75	218
401430175	2011	11	30	7	V	42.5	1	0.79	226
401430175	2011	11	30	8	V	21.8	1	0.84	201
401430175	2011	11	30	9	V	13.8	2	0.86	185
401430175	2011	11	30	10	V	10.8	3	1.55	163
401430175	2011	11	30	11	V	12.5	7	2.74	174
401430175	2011	11	30	12	V	15.0	6	2.4	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	11	30	13	V	15.8	8	3.05	180
401430175	2011	11	30	14	V	15.3	10	4.29	174
401430175	2011	11	30	15	V	9.9	7	4.09	162
401430175	2011	11	30	16	V	9.9	1	4.6	162
401430175	2011	11	30	17	V	9.2	1	4.12	160
401430175	2011	11	30	18	V	4.2	1	3.56	147
401430175	2011	11	30	19	V	3.2	1	2.13	157
401430175	2011	11	30	20	V	18.2	1	2.1	169
401430175	2011	11	30	21	V	13.6	1	1.71	165
401430175	2011	11	30	22	V	9.4	1	2.93	179
401430175	2011	11	30	23	V	15.0	7	3.01	170
401430175	2011	11	30	24	V	14.0	1	2.42	168
401430175	2011	12	1	1	V	2.8	1	1.18	144
401430175	2011	12	1	2	V	5.0	1	1.57	159
401430175	2011	12	1	3	V	4.4	1	1.74	184
401430175	2011	12	1	4	V	9.3	1	2.76	177
401430175	2011	12	1	5	V	12.2	2	3.59	168
401430175	2011	12	1	6	V	9.2	2	3	165
401430175	2011	12	1	7	V	13.2	2	3.32	170
401430175	2011	12	1	8	V	13.0	2	3.4	175
401430175	2011	12	1	9	V	13.6	5	3.81	170
401430175	2011	12	1	10	V	12.6	43	4.68	173
401430175	2011	12	1	11	V	10.9	38	6.36	177
401430175	2011	12	1	12	V	9.9	9	7.4	185
401430175	2011	12	1	13	V	12.3	12	6.46	183
401430175	2011	12	1	14	V	8.1	19	6.46	185
401430175	2011	12	1	15	V	13.0	13	3.86	196
401430175	2011	12	1	16	V	23.7	5	3.36	210
401430175	2011	12	1	17	C	-999	4	0	0
401430175	2011	12	1	18	C	-999	2	0	0
401430175	2011	12	1	19	V	3.0	1	4.86	2
401430175	2011	12	1	20	V	2.5	1	7.96	24
401430175	2011	12	1	21	V	2.7	1	5.96	14
401430175	2011	12	1	22	V	2.7	1	5.36	9
401430175	2011	12	1	23	V	3.8	1	5.09	1
401430175	2011	12	1	24	V	3.3	0	5.26	2
401430175	2011	12	2	1	V	2.4	0	4.68	5
401430175	2011	12	2	2	V	2.4	0	4.49	1
401430175	2011	12	2	3	V	1.9	0	4.27	6
401430175	2011	12	2	4	V	1.9	0	4.12	6
401430175	2011	12	2	5	V	2.1	0	3.47	5
401430175	2011	12	2	6	V	2.0	0	3.59	5
401430175	2011	12	2	7	V	1.7	0	3.52	8
401430175	2011	12	2	8	V	2.5	0	3.32	23
401430175	2011	12	2	9	V	2.1	0	2.98	18
401430175	2011	12	2	10	V	3.1	0	2.76	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	2	11	V	3.1	0	2.11	358
401430175	2011	12	2	12	V	5.9	0	1.55	8
401430175	2011	12	2	13	V	7.1	0	1.33	24
401430175	2011	12	2	14	V	4.0	1	1.06	101
401430175	2011	12	2	15	V	4.3	1	0.63	14
401430175	2011	12	2	16	V	3.5	2	0.74	85
401430175	2011	12	2	17	V	5.2	3	0.79	108
401430175	2011	12	2	18	V	4.5	1	1.54	143
401430175	2011	12	2	19	V	3.0	1	1.91	137
401430175	2011	12	2	20	V	2.5	1	1.72	140
401430175	2011	12	2	21	V	2.7	1	1.64	148
401430175	2011	12	2	22	V	33.3	1	1.21	174
401430175	2011	12	2	23	V	18.5	1	0.84	190
401430175	2011	12	2	24	V	31.7	1	1.3	174
401430175	2011	12	3	1	V	6.5	4	3	159
401430175	2011	12	3	2	V	2.5	1	2.49	149
401430175	2011	12	3	3	V	2.3	1	3.8	150
401430175	2011	12	3	4	V	1.9	1	3.95	144
401430175	2011	12	3	5	V	2.1	0	3.42	142
401430175	2011	12	3	6	V	2.0	1	4.46	140
401430175	2011	12	3	7	V	1.7	1	4.39	145
401430175	2011	12	3	8	V	2.5	1	5.51	146
401430175	2011	12	3	9	V	2.0	1	6.77	143
401430175	2011	12	3	10	V	13.0	14	5.65	171
401430175	2011	12	3	11	V	16.1	20	6.75	170
401430175	2011	12	3	12	V	17.1	5	5.36	167
401430175	2011	12	3	13	V	11.3	1	3.24	238
401430175	2011	12	3	14	V	17.8	5	3.17	203
401430175	2011	12	3	15	V	11.2	6	4.51	180
401430175	2011	12	3	16	V	19.0	14	4.75	174
401430175	2011	12	3	17	V	6.8	8	3.15	202
401430175	2011	12	3	18	V	5.8	4	3	197
401430175	2011	12	3	19	V	3.0	1	3.44	257
401430175	2011	12	3	20	V	2.4	0	2.11	273
401430175	2011	12	3	21	V	2.9	0	1.26	265
401430175	2011	12	3	22	V	2.7	0	2.13	292
401430175	2011	12	3	23	V	3.8	1	3.44	289
401430175	2011	12	3	24	V	3.3	0	4.12	289
401430175	2011	12	4	1	V	2.4	0	3.03	285
401430175	2011	12	4	2	V	2.5	0	3.01	301
401430175	2011	12	4	3	V	1.9	0	3.83	325
401430175	2011	12	4	4	V	2.0	0	2.69	326
401430175	2011	12	4	5	V	2.1	0	2.74	337
401430175	2011	12	4	6	V	2.0	0	2.83	351
401430175	2011	12	4	7	V	1.7	0	2.95	357
401430175	2011	12	4	8	V	2.4	0	2.55	360

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	4	9	V	2.1	0	3.2	6
401430175	2011	12	4	10	V	3.1	0	3.81	10
401430175	2011	12	4	11	V	3.2	0	3.49	2
401430175	2011	12	4	12	V	5.6	0	3.61	2
401430175	2011	12	4	13	V	6.5	0	3.29	10
401430175	2011	12	4	14	V	3.3	0	3.2	6
401430175	2011	12	4	15	V	2.2	0	3.35	12
401430175	2011	12	4	16	V	3.3	0	3.66	14
401430175	2011	12	4	17	V	3.4	0	4.12	22
401430175	2011	12	4	18	V	4.3	0	2.45	12
401430175	2011	12	4	19	V	2.9	0	2.25	4
401430175	2011	12	4	20	V	2.4	0	3.85	20
401430175	2011	12	4	21	V	2.6	0	3.73	23
401430175	2011	12	4	22	V	2.7	0	4.05	8
401430175	2011	12	4	23	V	3.7	0	4.17	8
401430175	2011	12	4	24	V	3.2	0	4.41	7
401430175	2011	12	5	1	V	2.4	0	4.59	10
401430175	2011	12	5	2	V	2.4	1	5.12	18
401430175	2011	12	5	3	V	1.9	1	5.68	17
401430175	2011	12	5	4	V	1.9	1	6.06	19
401430175	2011	12	5	5	V	2.1	1	5.17	12
401430175	2011	12	5	6	V	2.0	1	4.85	357
401430175	2011	12	5	7	V	1.7	1	5.62	3
401430175	2011	12	5	8	V	2.4	1	5.84	7
401430175	2011	12	5	9	V	2.1	1	5.72	9
401430175	2011	12	5	10	V	3.0	1	6.72	10
401430175	2011	12	5	11	V	2.9	1	6.57	5
401430175	2011	12	5	12	V	5.4	1	6.19	5
401430175	2011	12	5	13	V	6.2	1	6.19	4
401430175	2011	12	5	14	V	2.9	0	6.57	11
401430175	2011	12	5	15	V	1.9	0	6.01	6
401430175	2011	12	5	16	V	3.2	1	5.38	11
401430175	2011	12	5	17	V	3.4	1	5.09	8
401430175	2011	12	5	18	V	4.4	1	5.02	4
401430175	2011	12	5	19	V	3.0	1	5.27	8
401430175	2011	12	5	20	V	2.4	1	5.79	4
401430175	2011	12	5	21	V	2.7	0	6.13	6
401430175	2011	12	5	22	V	2.7	0	5.58	7
401430175	2011	12	5	23	V	3.8	0	5.31	2
401430175	2011	12	5	24	V	3.3	0	4.7	3
401430175	2011	12	6	1	V	2.4	0	5.09	6
401430175	2011	12	6	2	V	2.4	0	4.87	3
401430175	2011	12	6	3	V	1.9	0	4.95	7
401430175	2011	12	6	4	V	1.9	0	4.65	10
401430175	2011	12	6	5	V	2.1	0	3.93	6
401430175	2011	12	6	6	V	2.0	0	4.12	357

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	6	7	V	1.7	0	3.66	354
401430175	2011	12	6	8	V	2.4	0	3.58	352
401430175	2011	12	6	9	V	2.1	0	3.68	6
401430175	2011	12	6	10	V	3.0	0	3.71	11
401430175	2011	12	6	11	V	3.0	0	4.25	12
401430175	2011	12	6	12	V	5.5	0	3.85	11
401430175	2011	12	6	13	V	6.6	0	2.91	344
401430175	2011	12	6	14	V	3.3	0	3.37	335
401430175	2011	12	6	15	V	2.2	0	3.57	310
401430175	2011	12	6	16	V	3.3	0	3.44	318
401430175	2011	12	6	17	V	3.5	0	2.93	320
401430175	2011	12	6	18	V	4.3	0	2.16	306
401430175	2011	12	6	19	V	3.3	0	1.26	286
401430175	2011	12	6	20	V	2.6	0	1.37	267
401430175	2011	12	6	21	V	3.0	0	1.25	260
401430175	2011	12	6	22	V	10.1	0	0.74	246
401430175	2011	12	6	23	V	7.3	0	0.63	279
401430175	2011	12	6	24	V	3.5	0	1.42	294
401430175	2011	12	7	1	V	2.9	0	1.11	274
401430175	2011	12	7	2	V	2.8	0	1.23	273
401430175	2011	12	7	3	V	2.4	0	1.13	273
401430175	2011	12	7	4	V	2.3	0	1.21	266
401430175	2011	12	7	5	V	4.5	0	0.74	261
401430175	2011	12	7	6	C	-999	1	0	0
401430175	2011	12	7	7	V	49.5	1	0.69	216
401430175	2011	12	7	8	V	52.7	1	0.63	219
401430175	2011	12	7	9	V	12.7	2	1.45	196
401430175	2011	12	7	10	V	15.8	2	2.06	197
401430175	2011	12	7	11	V	19.9	9	3.44	212
401430175	2011	12	7	12	V	26.5	11	4.48	214
401430175	2011	12	7	13	V	28.0	16	4.27	217
401430175	2011	12	7	14	V	24.7	12	3.68	217
401430175	2011	12	7	15	V	22.9	10	3.68	224
401430175	2011	12	7	16	V	20.7	9	3.47	206
401430175	2011	12	7	17	V	8.9	13	2.88	211
401430175	2011	12	7	18	V	8.5	9	1.55	199
401430175	2011	12	7	19	V	20.3	2	1.11	204
401430175	2011	12	7	20	V	38.7	3	0.89	214
401430175	2011	12	7	21	V	18.8	3	1.38	212
401430175	2011	12	7	22	V	52.8	3	0.65	218
401430175	2011	12	7	23	V	38.6	3	0.6	203
401430175	2011	12	7	24	C	-999	6	0	0
401430175	2011	12	8	1	C	-999	8	0	0
401430175	2011	12	8	2	C	-999	2	0	0
401430175	2011	12	8	3	C	-999	2	0	0
401430175	2011	12	8	4	V	40.6	1	0.55	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	8	5	C	-999	2	0	0
401430175	2011	12	8	6	C	-999	4	0	0
401430175	2011	12	8	7	V	29.5	1	0.82	166
401430175	2011	12	8	8	V	31.7	1	1.08	176
401430175	2011	12	8	9	V	16.8	10	1.4	183
401430175	2011	12	8	10	V	11.2	5	2.32	163
401430175	2011	12	8	11	V	11.3	12	3.03	184
401430175	2011	12	8	12	V	13.9	6	3.24	186
401430175	2011	12	8	13	V	6.5	1	3.49	131
401430175	2011	12	8	14	V	13.9	3	3.98	169
401430175	2011	12	8	15	V	10.4	9	4.2	183
401430175	2011	12	8	16	V	15.2	9	3.29	167
401430175	2011	12	8	17	V	3.4	3	2.73	137
401430175	2011	12	8	18	V	4.3	1	2.37	129
401430175	2011	12	8	19	V	3.4	1	1.2	138
401430175	2011	12	8	20	V	44.4	1	0.77	228
401430175	2011	12	8	21	V	39.7	1	0.58	232
401430175	2011	12	8	22	V	48.3	2	0.94	222
401430175	2011	12	8	23	V	6.4	1	0.7	321
401430175	2011	12	8	24	V	6.7	2	0.65	318
401430175	2011	12	9	1	V	7.8	2	0.52	271
401430175	2011	12	9	2	V	21.5	1	0.52	242
401430175	2011	12	9	3	C	-999	1	0	0
401430175	2011	12	9	4	C	-999	1	0	0
401430175	2011	12	9	5	C	-999	2	0	0
401430175	2011	12	9	6	C	-999	2	0	0
401430175	2011	12	9	7	V	52.2	2	0.63	220
401430175	2011	12	9	8	V	2.4	1	2.57	5
401430175	2011	12	9	9	V	2.1	0	3.4	9
401430175	2011	12	9	10	V	3.1	1	5.07	8
401430175	2011	12	9	11	V	3.1	-999	4.48	12
401430175	2011	12	9	12	V	5.6	-999	3.68	11
401430175	2011	12	9	13	V	6.4	1	3.9	3
401430175	2011	12	9	14	V	3.0	2	4.87	10
401430175	2011	12	9	15	V	2.0	1	4.58	7
401430175	2011	12	9	16	V	3.3	1	4.77	2
401430175	2011	12	9	17	V	3.4	1	3.61	358
401430175	2011	12	9	18	V	4.3	0	3	360
401430175	2011	12	9	19	V	3.1	1	1.6	358
401430175	2011	12	9	20	V	2.5	1	1.74	344
401430175	2011	12	9	21	V	3.0	1	1.3	358
401430175	2011	12	9	22	V	3.1	0	1.21	352
401430175	2011	12	9	23	V	3.7	0	2.52	8
401430175	2011	12	9	24	V	3.5	0	1.42	5
401430175	2011	12	10	1	V	3.0	0	1.08	333
401430175	2011	12	10	2	V	4.3	0	0.77	313

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	10	3	V	5.4	0	0.65	323
401430175	2011	12	10	4	V	5.6	0	0.74	252
401430175	2011	12	10	5	V	30.1	0	0.52	237
401430175	2011	12	10	6	V	5.8	0	0.63	269
401430175	2011	12	10	7	V	2.4	1	1.03	265
401430175	2011	12	10	8	C	-999	1	0	0
401430175	2011	12	10	9	C	-999	1	0	0
401430175	2011	12	10	10	V	20.4	0	0.96	185
401430175	2011	12	10	11	V	24.0	2	1.2	196
401430175	2011	12	10	12	V	16.4	6	1.82	175
401430175	2011	12	10	13	V	20.1	13	1.81	194
401430175	2011	12	10	14	V	14.5	13	1.84	185
401430175	2011	12	10	15	V	13.9	13	1.64	186
401430175	2011	12	10	16	V	15.7	6	1.11	191
401430175	2011	12	10	17	V	16.1	3	1.37	209
401430175	2011	12	10	18	V	40.2	3	0.55	233
401430175	2011	12	10	19	V	15.3	1	0.7	243
401430175	2011	12	10	20	V	6.0	2	0.62	278
401430175	2011	12	10	21	V	7.6	2	0.55	268
401430175	2011	12	10	22	C	-999	2	0	0
401430175	2011	12	10	23	V	44.4	2	0.75	229
401430175	2011	12	10	24	V	26.1	2	0.6	239
401430175	2011	12	11	1	V	14.8	2	0.62	245
401430175	2011	12	11	2	V	7.3	2	0.55	310
401430175	2011	12	11	3	C	-999	1	0	0
401430175	2011	12	11	4	V	9.1	1	0.52	255
401430175	2011	12	11	5	C	-999	1	0	0
401430175	2011	12	11	6	C	-999	1	0	0
401430175	2011	12	11	7	V	49.7	1	0.62	225
401430175	2011	12	11	8	V	48.8	1	0.82	223
401430175	2011	12	11	9	V	11.6	0	1.06	195
401430175	2011	12	11	10	V	13.6	1	2.61	171
401430175	2011	12	11	11	V	12.0	11	3.49	174
401430175	2011	12	11	12	V	15.7	7	4.36	167
401430175	2011	12	11	13	V	13.8	5	4.29	163
401430175	2011	12	11	14	V	11.1	4	4.73	164
401430175	2011	12	11	15	V	11.1	6	4.75	165
401430175	2011	12	11	16	V	14.8	4	5.17	167
401430175	2011	12	11	17	V	12.1	10	3.78	168
401430175	2011	12	11	18	V	9.0	3	3.29	160
401430175	2011	12	11	19	V	2.9	1	2.32	144
401430175	2011	12	11	20	V	2.4	1	2.42	144
401430175	2011	12	11	21	V	2.7	0	3.07	143
401430175	2011	12	11	22	V	2.7	0	3.18	144
401430175	2011	12	11	23	V	4.8	1	3.54	153
401430175	2011	12	11	24	V	11.0	1	3.9	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	12	1	V	15.5	1	3.18	170
401430175	2011	12	12	2	V	14.8	11	3.32	169
401430175	2011	12	12	3	V	15.1	8	2.66	168
401430175	2011	12	12	4	V	13.5	5	3.07	167
401430175	2011	12	12	5	V	11.0	5	3	164
401430175	2011	12	12	6	V	11.5	1	3.3	165
401430175	2011	12	12	7	V	9.2	1	3.54	164
401430175	2011	12	12	8	V	10.7	13	3.73	166
401430175	2011	12	12	9	V	9.2	3	3.98	163
401430175	2011	12	12	10	V	12.3	1	3.95	166
401430175	2011	12	12	11	V	12.1	2	4.65	167
401430175	2011	12	12	12	V	19.5	2	4.71	169
401430175	2011	12	12	13	V	21.9	9	3.61	172
401430175	2011	12	12	14	V	6.6	5	2.73	157
401430175	2011	12	12	15	V	11.9	1	2.74	164
401430175	2011	12	12	16	V	13.4	1	3.13	165
401430175	2011	12	12	17	V	9.7	1	3.01	161
401430175	2011	12	12	18	V	4.4	1	2.93	148
401430175	2011	12	12	19	V	6.4	1	3.17	158
401430175	2011	12	12	20	V	3.0	1	3.47	151
401430175	2011	12	12	21	V	2.7	0	2.76	128
401430175	2011	12	12	22	V	2.7	0	3.13	141
401430175	2011	12	12	23	V	3.8	0	2.01	146
401430175	2011	12	12	24	V	3.3	0	2.01	144
401430175	2011	12	13	1	V	4.6	0	1.4	158
401430175	2011	12	13	2	V	2.8	0	1.2	110
401430175	2011	12	13	3	V	2.1	0	1.45	97
401430175	2011	12	13	4	V	2.2	0	1.25	82
401430175	2011	12	13	5	V	2.1	0	2.06	119
401430175	2011	12	13	6	V	2.0	1	2.45	117
401430175	2011	12	13	7	V	1.8	0	1.48	58
401430175	2011	12	13	8	V	7.6	0	1.81	47
401430175	2011	12	13	9	V	8.2	1	1.84	45
401430175	2011	12	13	10	V	3.3	1	2.27	81
401430175	2011	12	13	11	V	3.1	1	3.27	110
401430175	2011	12	13	12	V	5.8	1	3.32	126
401430175	2011	12	13	13	V	6.4	1	2.95	141
401430175	2011	12	13	14	V	15.1	1	2.2	166
401430175	2011	12	13	15	V	9.1	1	3.4	162
401430175	2011	12	13	16	V	8.1	1	3.86	161
401430175	2011	12	13	17	V	11.4	1	4.24	164
401430175	2011	12	13	18	V	11.8	1	3.97	164
401430175	2011	12	13	19	V	3.0	0	2.93	141
401430175	2011	12	13	20	V	4.7	0	3.17	156
401430175	2011	12	13	21	V	4.2	0	4.8	154
401430175	2011	12	13	22	V	11.8	3	5.82	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	13	23	V	14.4	22	5.07	167
401430175	2011	12	13	24	V	14.0	20	4.56	168
401430175	2011	12	14	1	V	15.4	27	6.06	169
401430175	2011	12	14	2	V	13.6	34	5.43	167
401430175	2011	12	14	3	V	11.2	23	5.12	165
401430175	2011	12	14	4	V	4.6	13	4.17	157
401430175	2011	12	14	5	V	2.1	1	2.96	141
401430175	2011	12	14	6	V	6.9	1	4.59	160
401430175	2011	12	14	7	V	12.1	1	5.41	166
401430175	2011	12	14	8	V	14.8	3	5.92	168
401430175	2011	12	14	9	V	16.0	12	6.19	169
401430175	2011	12	14	10	V	12.9	23	6.64	169
401430175	2011	12	14	11	V	12.9	19	6.14	170
401430175	2011	12	14	12	V	13.2	14	7.13	180
401430175	2011	12	14	13	V	9.9	2	7.11	185
401430175	2011	12	14	14	V	6.3	7	6.92	188
401430175	2011	12	14	15	V	9.9	5	5.7	194
401430175	2011	12	14	16	V	8.7	-999	5.48	192
401430175	2011	12	14	17	V	6.4	6	3.32	203
401430175	2011	12	14	18	V	7.2	7	2.66	186
401430175	2011	12	14	19	V	4.4	10	3.39	192
401430175	2011	12	14	20	V	19.7	27	2.3	222
401430175	2011	12	14	21	V	15.3	11	2.44	222
401430175	2011	12	14	22	V	16.9	4	2.35	224
401430175	2011	12	14	23	V	14.0	1	1.89	231
401430175	2011	12	14	24	V	3.3	0	2.16	249
401430175	2011	12	15	1	V	2.3	0	2.79	273
401430175	2011	12	15	2	V	2.4	0	2.67	293
401430175	2011	12	15	3	V	1.9	0	2.61	302
401430175	2011	12	15	4	V	1.9	0	3.12	315
401430175	2011	12	15	5	V	2.1	0	3.37	346
401430175	2011	12	15	6	V	2.0	0	2.06	343
401430175	2011	12	15	7	V	1.8	0	1.59	336
401430175	2011	12	15	8	V	2.4	0	2.52	358
401430175	2011	12	15	9	V	2.2	0	1.99	351
401430175	2011	12	15	10	V	3.1	0	3.73	12
401430175	2011	12	15	11	V	3.1	0	3.81	6
401430175	2011	12	15	12	V	5.6	0	3.73	7
401430175	2011	12	15	13	V	6.4	0	4.58	10
401430175	2011	12	15	14	V	3.1	0	3.91	9
401430175	2011	12	15	15	V	2.1	0	3.83	9
401430175	2011	12	15	16	V	3.4	0	3.25	15
401430175	2011	12	15	17	V	3.4	0	1.86	10
401430175	2011	12	15	18	V	5.4	0	0.8	353
401430175	2011	12	15	19	V	3.5	1	1.11	333
401430175	2011	12	15	20	V	2.9	0	1.11	324

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	15	21	V	2.6	0	2.81	1
401430175	2011	12	15	22	V	2.7	0	4.68	8
401430175	2011	12	15	23	V	3.7	0	4.25	14
401430175	2011	12	15	24	V	3.2	0	3.69	12
401430175	2011	12	16	1	V	2.3	0	2.91	6
401430175	2011	12	16	2	V	2.4	0	2.98	5
401430175	2011	12	16	3	V	1.9	0	2.9	8
401430175	2011	12	16	4	V	1.9	0	2.61	3
401430175	2011	12	16	5	V	2.1	0	2.55	357
401430175	2011	12	16	6	V	2.0	0	3.25	359
401430175	2011	12	16	7	V	1.6	0	3.41	6
401430175	2011	12	16	8	V	2.4	0	3	13
401430175	2011	12	16	9	V	2.1	0	3.29	20
401430175	2011	12	16	10	V	3.3	0	3.17	18
401430175	2011	12	16	11	V	3.7	1	3.78	33
401430175	2011	12	16	12	V	5.6	2	4.02	19
401430175	2011	12	16	13	V	6.5	1	3.51	10
401430175	2011	12	16	14	V	3.1	1	3.58	11
401430175	2011	12	16	15	V	2.2	0	3.18	6
401430175	2011	12	16	16	V	3.4	1	2.52	17
401430175	2011	12	16	17	V	3.4	1	2.04	19
401430175	2011	12	16	18	V	5.6	1	0.86	353
401430175	2011	12	16	19	C	-999	1	0	0
401430175	2011	12	16	20	V	8.3	2	0.53	259
401430175	2011	12	16	21	V	8.1	1	0.52	274
401430175	2011	12	16	22	V	6.8	2	0.58	279
401430175	2011	12	16	23	V	37.8	1	0.65	233
401430175	2011	12	16	24	V	52.0	1	0.65	224
401430175	2011	12	17	1	C	-999	1	0	0
401430175	2011	12	17	2	V	42.0	1	1.08	218
401430175	2011	12	17	3	V	11.7	1	0.7	245
401430175	2011	12	17	4	V	22.1	1	1.13	207
401430175	2011	12	17	5	V	26.1	1	0.62	194
401430175	2011	12	17	6	V	24.6	1	0.86	203
401430175	2011	12	17	7	V	28.3	1	0.99	208
401430175	2011	12	17	8	V	46.0	1	0.84	218
401430175	2011	12	17	9	V	49.1	1	0.69	226
401430175	2011	12	17	10	V	19.1	2	1.09	193
401430175	2011	12	17	11	V	4.0	1	1.91	283
401430175	2011	12	17	12	V	7.2	0	1.71	349
401430175	2011	12	17	13	V	8.6	1	1.3	288
401430175	2011	12	17	14	V	4.9	0	1.4	267
401430175	2011	12	17	15	V	4.1	1	1.48	259
401430175	2011	12	17	16	V	3.9	1	1.4	338
401430175	2011	12	17	17	V	3.8	0	1.11	324
401430175	2011	12	17	18	V	6.5	0	0.74	300

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	17	19	V	9.1	1	0.69	249
401430175	2011	12	17	20	V	7.1	1	0.58	261
401430175	2011	12	17	21	V	10.5	2	0.67	248
401430175	2011	12	17	22	V	6.8	2	0.58	339
401430175	2011	12	17	23	C	-999	1	0	0
401430175	2011	12	17	24	V	49.0	1	0.53	227
401430175	2011	12	18	1	V	26.3	0	0.75	199
401430175	2011	12	18	2	V	26.8	0	0.74	236
401430175	2011	12	18	3	V	7.1	1	0.53	274
401430175	2011	12	18	4	V	22.9	0	0.82	200
401430175	2011	12	18	5	V	25.2	0	0.67	195
401430175	2011	12	18	6	V	52.0	1	0.53	215
401430175	2011	12	18	7	V	51.7	1	0.53	215
401430175	2011	12	18	8	V	52.0	1	0.67	223
401430175	2011	12	18	9	V	17.2	1	0.99	200
401430175	2011	12	18	10	V	12.5	1	1.2	165
401430175	2011	12	18	11	V	12.2	2	3.68	179
401430175	2011	12	18	12	V	12.7	3	5.12	193
401430175	2011	12	18	13	V	14.7	15	5.21	195
401430175	2011	12	18	14	V	11.8	7	4.49	195
401430175	2011	12	18	15	V	6.7	4	5.73	187
401430175	2011	12	18	16	V	10.1	13	5.87	181
401430175	2011	12	18	17	V	12.3	15	4.8	179
401430175	2011	12	18	18	V	13.2	36	4.92	179
401430175	2011	12	18	19	V	9.6	21	6.12	182
401430175	2011	12	18	20	V	6.2	3	6.41	186
401430175	2011	12	18	21	V	5.3	2	6.11	187
401430175	2011	12	18	22	V	4.5	1	5.58	188
401430175	2011	12	18	23	V	7.0	3	5.45	185
401430175	2011	12	18	24	V	6.2	3	5.72	187
401430175	2011	12	19	1	V	5.9	4	4.78	185
401430175	2011	12	19	2	V	6.5	7	4.58	184
401430175	2011	12	19	3	V	9.5	20	3.91	179
401430175	2011	12	19	4	V	6.9	9	4.03	182
401430175	2011	12	19	5	V	6.4	8	1.86	182
401430175	2011	12	19	6	V	17.0	8	2.61	173
401430175	2011	12	19	7	V	14.8	25	2.76	168
401430175	2011	12	19	8	V	8.2	5	2.61	161
401430175	2011	12	19	9	V	3.7	2	3.59	154
401430175	2011	12	19	10	V	7.9	2	3.17	159
401430175	2011	12	19	11	V	3.1	1	3.23	133
401430175	2011	12	19	12	V	5.6	1	3.76	139
401430175	2011	12	19	13	V	6.3	1	4.05	113
401430175	2011	12	19	14	V	3.0	1	3.17	118
401430175	2011	12	19	15	V	1.9	2	4.88	111
401430175	2011	12	19	16	V	3.2	2	5.26	109

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	19	17	V	3.4	2	2.27	120
401430175	2011	12	19	18	V	4.4	2	3.22	61
401430175	2011	12	19	19	V	3.0	1	3.76	30
401430175	2011	12	19	20	V	2.4	1	4.44	23
401430175	2011	12	19	21	V	2.8	0	5.05	35
401430175	2011	12	19	22	V	2.8	0	4.9	54
401430175	2011	12	19	23	V	4.4	0	4.51	51
401430175	2011	12	19	24	V	3.6	0	3.54	52
401430175	2011	12	20	1	V	3.4	1	3.3	50
401430175	2011	12	20	2	V	5.1	0	2.71	48
401430175	2011	12	20	3	V	8.0	0	2.45	45
401430175	2011	12	20	4	V	3.0	0	2.57	50
401430175	2011	12	20	5	V	2.2	0	1.54	91
401430175	2011	12	20	6	V	2.3	0	1.31	113
401430175	2011	12	20	7	V	2.3	0	1.03	77
401430175	2011	12	20	8	V	2.9	1	1.16	132
401430175	2011	12	20	9	V	2.1	1	2.16	116
401430175	2011	12	20	10	V	3.2	1	2.9	126
401430175	2011	12	20	11	V	5.9	1	3.58	156
401430175	2011	12	20	12	V	15.0	1	3.88	168
401430175	2011	12	20	13	V	25.2	2	3.81	225
401430175	2011	12	20	14	V	18.3	12	5.16	204
401430175	2011	12	20	15	V	26.5	8	4.68	221
401430175	2011	12	20	16	V	19.7	1	3.59	229
401430175	2011	12	20	17	V	4.3	1	2.84	246
401430175	2011	12	20	18	V	4.4	0	3.07	296
401430175	2011	12	20	19	V	3.0	0	3.03	277
401430175	2011	12	20	20	V	2.5	0	3.1	282
401430175	2011	12	20	21	V	2.7	0	3.13	277
401430175	2011	12	20	22	V	2.7	0	3.49	275
401430175	2011	12	20	23	V	3.8	1	3.9	282
401430175	2011	12	20	24	V	3.3	1	2.64	275
401430175	2011	12	21	1	V	2.4	0	2.25	267
401430175	2011	12	21	2	V	2.4	0	2.1	268
401430175	2011	12	21	3	V	1.9	0	2.1	261
401430175	2011	12	21	4	V	2.0	0	2.03	249
401430175	2011	12	21	5	V	5.1	1	1.96	237
401430175	2011	12	21	6	V	4.8	1	1.91	236
401430175	2011	12	21	7	V	24.2	4	1.72	222
401430175	2011	12	21	8	V	42.5	1	0.94	216
401430175	2011	12	21	9	V	7.9	7	1.91	183
401430175	2011	12	21	10	V	15.1	5	4.51	201
401430175	2011	12	21	11	V	14.7	3	5.05	198
401430175	2011	12	21	12	V	11.8	4	4.73	187
401430175	2011	12	21	13	V	13.0	7	4.61	188
401430175	2011	12	21	14	V	11.6	6	4.08	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	21	15	V	13.1	6	3.57	178
401430175	2011	12	21	16	V	5.9	1	3.46	156
401430175	2011	12	21	17	V	5.3	1	3.47	156
401430175	2011	12	21	18	V	4.3	0	3.46	139
401430175	2011	12	21	19	V	3.5	0	3.05	155
401430175	2011	12	21	20	V	4.9	0	2.2	161
401430175	2011	12	21	21	V	29.2	0	1.43	170
401430175	2011	12	21	22	V	31.2	0	1.04	231
401430175	2011	12	21	23	V	46.0	1	0.67	209
401430175	2011	12	21	24	V	8.2	0	0.52	125
401430175	2011	12	22	1	V	49.9	0	0.52	226
401430175	2011	12	22	2	V	4.9	0	0.72	114
401430175	2011	12	22	3	V	2.3	1	1.28	63
401430175	2011	12	22	4	V	2.0	0	1.84	114
401430175	2011	12	22	5	V	2.1	0	2.01	117
401430175	2011	12	22	6	V	2.2	0	1.42	127
401430175	2011	12	22	7	V	2.7	1	0.96	135
401430175	2011	12	22	8	V	2.7	1	1.28	15
401430175	2011	12	22	9	V	2.1	1	2.56	24
401430175	2011	12	22	10	V	3.2	0	3.22	14
401430175	2011	12	22	11	V	3.2	0	3.15	24
401430175	2011	12	22	12	V	5.7	5	3.44	5
401430175	2011	12	22	13	V	6.3	7	5.33	7
401430175	2011	12	22	14	V	3.0	2	5.72	10
401430175	2011	12	22	15	V	1.9	2	5.41	1
401430175	2011	12	22	16	V	3.2	1	6.24	4
401430175	2011	12	22	17	V	3.4	1	5.92	4
401430175	2011	12	22	18	V	4.4	0	6.16	7
401430175	2011	12	22	19	V	3.0	0	5.9	6
401430175	2011	12	22	20	V	2.4	0	5.5	4
401430175	2011	12	22	21	V	2.7	0	5.48	4
401430175	2011	12	22	22	V	2.7	0	5.43	5
401430175	2011	12	22	23	V	3.8	0	4.6	360
401430175	2011	12	22	24	V	3.3	0	4.22	4
401430175	2011	12	23	1	V	2.4	0	4.49	359
401430175	2011	12	23	2	V	2.4	0	4.15	355
401430175	2011	12	23	3	V	1.9	0	4.02	1
401430175	2011	12	23	4	V	1.9	0	3.93	355
401430175	2011	12	23	5	V	2.1	0	3.57	2
401430175	2011	12	23	6	V	2.0	0	2.78	350
401430175	2011	12	23	7	V	1.7	0	2.69	358
401430175	2011	12	23	8	V	2.4	0	2.71	360
401430175	2011	12	23	9	V	2.1	0	2.86	353
401430175	2011	12	23	10	V	3.1	0	3.42	358
401430175	2011	12	23	11	V	3.1	0	3.61	15
401430175	2011	12	23	12	V	5.7	1	3.8	25

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	23	13	V	6.5	1	3.68	24
401430175	2011	12	23	14	V	3.5	0	3.08	29
401430175	2011	12	23	15	V	2.8	1	1.87	91
401430175	2011	12	23	16	V	15.3	2	1.04	194
401430175	2011	12	23	17	V	3.4	0	1.84	318
401430175	2011	12	23	18	V	4.6	0	1.42	299
401430175	2011	12	23	19	V	4.4	0	0.84	288
401430175	2011	12	23	20	V	3.1	0	1.06	280
401430175	2011	12	23	21	V	42.4	0	0.99	227
401430175	2011	12	23	22	V	22.7	1	0.82	199
401430175	2011	12	23	23	V	27.8	0	0.72	198
401430175	2011	12	23	24	C	-999	0	0	0
401430175	2011	12	24	1	C	-999	0	0	0
401430175	2011	12	24	2	V	41.9	1	0.69	208
401430175	2011	12	24	3	V	5.6	1	0.65	262
401430175	2011	12	24	4	C	-999	1	0	0
401430175	2011	12	24	5	V	17.2	0	1.01	199
401430175	2011	12	24	6	V	16.9	0	1.06	200
401430175	2011	12	24	7	V	25.7	0	0.99	207
401430175	2011	12	24	8	V	7.4	1	0.58	259
401430175	2011	12	24	9	V	5.4	1	0.63	123
401430175	2011	12	24	10	V	13.8	2	1.04	166
401430175	2011	12	24	11	V	16.2	3	1.23	173
401430175	2011	12	24	12	V	24.4	1	2.16	204
401430175	2011	12	24	13	V	20.0	3	2.71	199
401430175	2011	12	24	14	V	19.6	7	2.23	204
401430175	2011	12	24	15	V	17.7	0	1.72	202
401430175	2011	12	24	16	V	22.8	0	1.62	217
401430175	2011	12	24	17	V	19.3	0	1.13	210
401430175	2011	12	24	18	C	-999	0	0	0
401430175	2011	12	24	19	V	7.7	1	0.55	282
401430175	2011	12	24	20	C	-999	1	0	0
401430175	2011	12	24	21	V	17.0	2	0.53	245
401430175	2011	12	24	22	V	25.5	1	0.67	238
401430175	2011	12	24	23	V	19.5	1	0.53	244
401430175	2011	12	24	24	V	7.9	1	0.57	302
401430175	2011	12	25	1	V	39.0	1	1.04	228
401430175	2011	12	25	2	V	4.2	1	0.79	275
401430175	2011	12	25	3	C	-999	1	0	0
401430175	2011	12	25	4	V	5.2	0	0.67	306
401430175	2011	12	25	5	V	5.2	0	0.89	247
401430175	2011	12	25	6	V	4.8	0	0.69	265
401430175	2011	12	25	7	V	17.8	0	0.65	242
401430175	2011	12	25	8	V	3.8	0	0.86	258
401430175	2011	12	25	9	V	2.6	0	1.08	354
401430175	2011	12	25	10	V	8.3	0	0.86	132

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	25	11	V	6.7	0	1.14	70
401430175	2011	12	25	12	V	7.8	2	2.11	55
401430175	2011	12	25	13	V	6.8	0	2.38	71
401430175	2011	12	25	14	V	4.5	1	1.48	100
401430175	2011	12	25	15	V	4.8	3	1.35	43
401430175	2011	12	25	16	V	5.2	1	1.86	36
401430175	2011	12	25	17	V	3.4	1	1.62	14
401430175	2011	12	25	18	V	6.1	1	0.79	328
401430175	2011	12	25	19	V	4.0	2	0.91	285
401430175	2011	12	25	20	C	-999	2	0	0
401430175	2011	12	25	21	V	3.8	2	0.91	3
401430175	2011	12	25	22	V	3.7	1	0.96	297
401430175	2011	12	25	23	V	4.7	0	0.96	346
401430175	2011	12	25	24	V	3.3	0	1.76	8
401430175	2011	12	26	1	V	2.7	0	1.28	341
401430175	2011	12	26	2	V	2.5	0	1.57	17
401430175	2011	12	26	3	V	2.0	0	1.6	25
401430175	2011	12	26	4	V	3.6	0	0.79	293
401430175	2011	12	26	5	V	12.3	0	0.65	246
401430175	2011	12	26	6	V	24.3	0	1.21	213
401430175	2011	12	26	7	V	2.6	3	0.91	322
401430175	2011	12	26	8	V	2.7	3	1.26	16
401430175	2011	12	26	9	V	2.1	3	1.96	92
401430175	2011	12	26	10	V	7.9	1	1.13	248
401430175	2011	12	26	11	V	12.8	1	0.82	157
401430175	2011	12	26	12	V	9.2	1	1.04	43
401430175	2011	12	26	13	V	6.6	4	2.52	117
401430175	2011	12	26	14	V	3.1	2	3.17	129
401430175	2011	12	26	15	V	1.9	1	4.14	126
401430175	2011	12	26	16	V	3.2	1	3.32	138
401430175	2011	12	26	17	V	3.4	1	1.99	147
401430175	2011	12	26	18	V	4.4	2	1.62	134
401430175	2011	12	26	19	V	20.5	1	1.16	180
401430175	2011	12	26	20	V	14.8	1	1.14	235
401430175	2011	12	26	21	V	34.2	1	1.21	217
401430175	2011	12	26	22	V	2.9	1	1.4	258
401430175	2011	12	26	23	V	3.8	1	1.98	265
401430175	2011	12	26	24	V	3.2	1	2.3	280
401430175	2011	12	27	1	V	2.3	0	2.57	271
401430175	2011	12	27	2	V	2.4	0	3	282
401430175	2011	12	27	3	V	1.9	0	2.54	288
401430175	2011	12	27	4	V	1.9	0	2.11	280
401430175	2011	12	27	5	V	2.1	1	2.47	290
401430175	2011	12	27	6	V	2.0	0	2.11	303
401430175	2011	12	27	7	V	1.7	0	1.99	309
401430175	2011	12	27	8	V	2.6	0	1.48	311

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	27	9	V	2.1	0	2.66	332
401430175	2011	12	27	10	V	3.2	0	3.25	327
401430175	2011	12	27	11	V	3.2	0	3.3	324
401430175	2011	12	27	12	V	5.6	0	3.59	312
401430175	2011	12	27	13	V	6.4	0	3.97	315
401430175	2011	12	27	14	V	3.1	0	3.9	314
401430175	2011	12	27	15	V	2.0	0	4.27	310
401430175	2011	12	27	16	V	3.3	0	3.64	313
401430175	2011	12	27	17	V	3.4	0	2.98	292
401430175	2011	12	27	18	V	4.5	0	1.38	269
401430175	2011	12	27	19	V	3.1	0	1.54	264
401430175	2011	12	27	20	V	2.9	1	1.18	272
401430175	2011	12	27	21	V	4.3	1	0.8	261
401430175	2011	12	27	22	V	45.0	1	0.79	215
401430175	2011	12	27	23	V	4.9	1	0.89	265
401430175	2011	12	27	24	C	-999	1	0	0
401430175	2011	12	28	1	V	51.6	1	0.6	224
401430175	2011	12	28	2	V	8.2	1	0.52	263
401430175	2011	12	28	3	C	-999	1	0	0
401430175	2011	12	28	4	V	5.8	1	0.6	293
401430175	2011	12	28	5	V	3.9	1	0.8	298
401430175	2011	12	28	6	V	42.9	1	1.09	219
401430175	2011	12	28	7	V	42.1	1	0.8	214
401430175	2011	12	28	8	V	5.2	3	0.7	277
401430175	2011	12	28	9	V	6.0	3	1.69	206
401430175	2011	12	28	10	V	14.6	14	2.2	197
401430175	2011	12	28	11	V	10.9	13	4.27	193
401430175	2011	12	28	12	V	15.9	12	4.78	196
401430175	2011	12	28	13	V	15.9	12	4.99	195
401430175	2011	12	28	14	V	24.1	18	4.34	214
401430175	2011	12	28	15	V	23.6	13	4.58	214
401430175	2011	12	28	16	V	27.6	15	3.71	216
401430175	2011	12	28	17	V	19.0	9	2.47	226
401430175	2011	12	28	18	V	10.4	10	1.45	202
401430175	2011	12	28	19	V	27.9	7	1.37	216
401430175	2011	12	28	20	V	24.3	16	1.33	214
401430175	2011	12	28	21	V	6.2	3	1.31	239
401430175	2011	12	28	22	V	41.5	1	0.67	207
401430175	2011	12	28	23	C	-999	1	0	0
401430175	2011	12	28	24	V	47.7	2	0.67	212
401430175	2011	12	29	1	V	6.2	1	0.62	307
401430175	2011	12	29	2	V	49.7	1	0.75	217
401430175	2011	12	29	3	V	40.3	1	0.94	215
401430175	2011	12	29	4	V	29.5	1	0.65	199
401430175	2011	12	29	5	V	43.0	2	1.04	218
401430175	2011	12	29	6	V	17.2	3	0.86	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	29	7	V	47.7	3	0.82	224
401430175	2011	12	29	8	V	45.4	2	0.65	209
401430175	2011	12	29	9	V	7.2	3	1.43	183
401430175	2011	12	29	10	V	14.0	4	2.01	170
401430175	2011	12	29	11	V	12.6	20	2.67	182
401430175	2011	12	29	12	V	13.3	17	3.56	184
401430175	2011	12	29	13	V	23.4	22	4.68	206
401430175	2011	12	29	14	V	21.1	-999	4.97	208
401430175	2011	12	29	15	V	20.3	6	4.36	207
401430175	2011	12	29	16	V	8.8	20	4.39	188
401430175	2011	12	29	17	V	9.2	11	4.63	182
401430175	2011	12	29	18	V	9.3	4	3.81	181
401430175	2011	12	29	19	V	4.4	3	3.83	187
401430175	2011	12	29	20	V	4.5	8	4.61	186
401430175	2011	12	29	21	V	11.6	15	3.64	177
401430175	2011	12	29	22	V	4.0	24	3.71	202
401430175	2011	12	29	23	V	4.2	31	4.36	194
401430175	2011	12	29	24	V	4.7	31	3.64	205
401430175	2011	12	30	1	V	10.2	12	2.91	232
401430175	2011	12	30	2	V	2.5	4	2.57	242
401430175	2011	12	30	3	V	2.0	1	1.62	259
401430175	2011	12	30	4	V	1.9	1	3.1	321
401430175	2011	12	30	5	V	2.1	1	2.23	322
401430175	2011	12	30	6	V	2.6	0	1.08	269
401430175	2011	12	30	7	V	2.1	1	1.18	287
401430175	2011	12	30	8	V	3.2	1	1.01	281
401430175	2011	12	30	9	V	2.1	0	1.59	269
401430175	2011	12	30	10	V	3.6	1	2.35	293
401430175	2011	12	30	11	V	3.4	1	2.42	297
401430175	2011	12	30	12	V	5.8	1	2.91	285
401430175	2011	12	30	13	V	6.5	0	3.51	306
401430175	2011	12	30	14	V	3.1	0	3.83	309
401430175	2011	12	30	15	V	2.1	0	3.73	290
401430175	2011	12	30	16	V	3.4	0	3.2	262
401430175	2011	12	30	17	V	3.5	1	2.61	255
401430175	2011	12	30	18	V	4.4	0	1.94	257
401430175	2011	12	30	19	V	3.1	0	1.47	251
401430175	2011	12	30	20	V	21.4	1	0.67	240
401430175	2011	12	30	21	V	53.9	1	0.53	216
401430175	2011	12	30	22	C	-999	1	0	0
401430175	2011	12	30	23	V	39.7	1	0.77	210
401430175	2011	12	30	24	V	28.5	1	0.72	182
401430175	2011	12	31	1	V	10.5	1	0.58	250
401430175	2011	12	31	2	C	-999	1	0	0
401430175	2011	12	31	3	C	-999	3	0	0
401430175	2011	12	31	4	V	26.8	1	0.6	238

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2011	12	31	5	V	28.3	1	0.72	200
401430175	2011	12	31	6	V	27.9	1	1.5	172
401430175	2011	12	31	7	V	41.5	5	0.84	215
401430175	2011	12	31	8	V	2.9	4	1.18	145
401430175	2011	12	31	9	V	5.7	9	2.91	186
401430175	2011	12	31	10	V	9.1	18	6.55	182
401430175	2011	12	31	11	V	7.4	6	8.74	184
401430175	2011	12	31	12	V	10.6	18	9.32	182
401430175	2011	12	31	13	V	10.2	7	9.68	187
401430175	2011	12	31	14	V	8.6	8	11.02	193
401430175	2011	12	31	15	V	5.8	6	10.07	190
401430175	2011	12	31	16	V	16.8	24	7.77	202
401430175	2011	12	31	17	V	5.2	13	4.39	205
401430175	2011	12	31	18	V	17.3	15	2.28	225
401430175	2011	12	31	19	V	3.0	1	2.05	276
401430175	2011	12	31	20	V	2.4	1	5.11	289
401430175	2011	12	31	21	V	2.6	0	3.86	289
401430175	2011	12	31	22	V	2.8	0	5.96	302
401430175	2011	12	31	23	V	3.8	0	6.46	314
401430175	2011	12	31	24	V	3.3	0	5.36	317
401430175	2012	1	1	1	V	2.3	0	4.7	324
401430175	2012	1	1	2	V	2.4	0	3.2	309
401430175	2012	1	1	3	V	1.9	0	2.18	255
401430175	2012	1	1	4	V	1.9	0	1.87	260
401430175	2012	1	1	5	V	2.1	0	2.35	290
401430175	2012	1	1	6	V	2.0	0	3.2	300
401430175	2012	1	1	7	V	1.6	0	3.29	313
401430175	2012	1	1	8	V	2.4	0	2.1	328
401430175	2012	1	1	9	V	2.0	0	2.44	312
401430175	2012	1	1	10	V	3.1	0	3.39	330
401430175	2012	1	1	11	V	3.1	0	3.76	338
401430175	2012	1	1	12	V	5.7	0	3.39	333
401430175	2012	1	1	13	V	6.4	0	4.03	348
401430175	2012	1	1	14	V	3.2	0	3.47	325
401430175	2012	1	1	15	V	2.0	0	4.36	336
401430175	2012	1	1	16	V	3.3	0	4.39	330
401430175	2012	1	1	17	V	3.4	0	3.12	320
401430175	2012	1	1	18	V	4.3	0	1.98	287
401430175	2012	1	1	19	V	3.0	0	1.82	294
401430175	2012	1	1	20	V	2.4	0	1.86	285
401430175	2012	1	1	21	V	2.7	0	1.64	285
401430175	2012	1	1	22	V	2.8	0	1.65	298
401430175	2012	1	1	23	V	3.7	0	2.44	335
401430175	2012	1	1	24	V	3.2	0	1.87	317
401430175	2012	1	2	1	V	2.3	0	2.52	337
401430175	2012	1	2	2	V	2.4	0	2.39	337

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	2	3	V	1.9	0	5.29	1
401430175	2012	1	2	4	V	1.9	0	3.64	349
401430175	2012	1	2	5	V	2.1	0	2.21	328
401430175	2012	1	2	6	V	2.0	0	2.16	329
401430175	2012	1	2	7	V	1.6	0	2.01	319
401430175	2012	1	2	8	V	2.4	0	2.22	320
401430175	2012	1	2	9	V	2.0	0	2.54	331
401430175	2012	1	2	10	V	3.2	0	3.25	341
401430175	2012	1	2	11	V	3.1	0	3.73	342
401430175	2012	1	2	12	V	5.6	0	4.17	345
401430175	2012	1	2	13	V	6.4	0	3.9	338
401430175	2012	1	2	14	V	3.1	0	3.8	319
401430175	2012	1	2	15	V	2.1	0	3.73	324
401430175	2012	1	2	16	V	3.3	0	3.83	318
401430175	2012	1	2	17	V	3.4	0	2.83	307
401430175	2012	1	2	18	V	4.4	0	1.48	294
401430175	2012	1	2	19	V	4.6	0	0.7	268
401430175	2012	1	2	20	V	3.1	0	0.96	287
401430175	2012	1	2	21	V	10.9	0	0.87	241
401430175	2012	1	2	22	V	8.1	0	0.8	245
401430175	2012	1	2	23	V	41.4	0	0.69	226
401430175	2012	1	2	24	V	7.1	0	0.53	272
401430175	2012	1	3	1	C	-999	0	0	0
401430175	2012	1	3	2	V	11.5	0	0.96	187
401430175	2012	1	3	3	V	37.7	0	0.86	223
401430175	2012	1	3	4	V	26.2	0	0.53	236
401430175	2012	1	3	5	C	-999	1	0	0
401430175	2012	1	3	6	C	-999	1	0	0
401430175	2012	1	3	7	V	37.7	1	0.86	220
401430175	2012	1	3	8	V	2.8	1	2.25	190
401430175	2012	1	3	9	V	7.5	1	3.2	167
401430175	2012	1	3	10	V	7.7	1	3.9	166
401430175	2012	1	3	11	V	7.3	11	5.68	178
401430175	2012	1	3	12	V	8.7	8	7.28	188
401430175	2012	1	3	13	V	9.7	12	6.82	185
401430175	2012	1	3	14	V	8.1	9	7.04	192
401430175	2012	1	3	15	V	7.4	5	7.43	193
401430175	2012	1	3	16	V	5.9	4	7.31	187
401430175	2012	1	3	17	V	5.9	7	6.33	184
401430175	2012	1	3	18	V	8.3	17	3.78	171
401430175	2012	1	3	19	V	8.1	21	3.44	171
401430175	2012	1	3	20	V	6.3	8	3.17	177
401430175	2012	1	3	21	V	3.0	5	2.49	185
401430175	2012	1	3	22	V	3.2	8	2.98	185
401430175	2012	1	3	23	V	4.3	9	3.69	188
401430175	2012	1	3	24	V	3.5	3	2.64	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	4	1	V	11.6	5	1.7	169
401430175	2012	1	4	2	V	14.7	8	0.92	164
401430175	2012	1	4	3	V	18.7	20	1.16	210
401430175	2012	1	4	4	V	35.9	7	0.87	226
401430175	2012	1	4	5	C	-999	2	0	0
401430175	2012	1	4	6	V	6.3	2	0.52	264
401430175	2012	1	4	7	C	-999	1	0	0
401430175	2012	1	4	8	C	-999	1	0	0
401430175	2012	1	4	9	V	2.1	1	1.42	8
401430175	2012	1	4	10	V	3.1	0	4.88	9
401430175	2012	1	4	11	V	3.0	0	5.14	10
401430175	2012	1	4	12	V	5.5	0	4.46	7
401430175	2012	1	4	13	V	6.4	0	3.64	19
401430175	2012	1	4	14	V	3.5	0	2.23	334
401430175	2012	1	4	15	V	2.4	0	2.38	320
401430175	2012	1	4	16	V	3.4	0	2.67	322
401430175	2012	1	4	17	V	3.4	0	1.99	306
401430175	2012	1	4	18	V	4.5	0	1.3	297
401430175	2012	1	4	19	V	3.0	0	1.65	278
401430175	2012	1	4	20	V	2.4	0	1.99	288
401430175	2012	1	4	21	V	36.6	1	0.94	217
401430175	2012	1	4	22	V	18.8	1	0.84	200
401430175	2012	1	4	23	V	6.3	1	0.65	269
401430175	2012	1	4	24	C	-999	1	0	0
401430175	2012	1	5	1	V	32.3	1	0.63	205
401430175	2012	1	5	2	C	-999	1	0	0
401430175	2012	1	5	3	V	32.8	1	0.86	214
401430175	2012	1	5	4	V	27.0	1	0.77	233
401430175	2012	1	5	5	V	13.3	1	0.97	196
401430175	2012	1	5	6	V	27.4	1	0.79	206
401430175	2012	1	5	7	V	16.6	1	0.94	201
401430175	2012	1	5	8	V	18.0	1	0.7	181
401430175	2012	1	5	9	V	8.5	1	1.3	198
401430175	2012	1	5	10	V	20.0	2	1.81	212
401430175	2012	1	5	11	V	18.4	1	2.62	217
401430175	2012	1	5	12	V	20.9	9	3.73	210
401430175	2012	1	5	13	V	20.6	21	4.94	208
401430175	2012	1	5	14	V	16.9	23	5.68	210
401430175	2012	1	5	15	V	17.7	25	5.22	212
401430175	2012	1	5	16	V	19.2	38	4.7	210
401430175	2012	1	5	17	V	4.8	25	4.65	187
401430175	2012	1	5	18	V	4.8	19	3.81	193
401430175	2012	1	5	19	V	3.3	5	3.22	193
401430175	2012	1	5	20	V	2.6	4	2.93	193
401430175	2012	1	5	21	V	3.2	12	3.22	187
401430175	2012	1	5	22	V	4.1	18	1.87	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	5	23	V	4.0	15	2.69	186
401430175	2012	1	5	24	V	3.6	4	2.27	187
401430175	2012	1	6	1	V	2.8	6	3.9	194
401430175	2012	1	6	2	V	2.8	19	3.97	192
401430175	2012	1	6	3	V	2.2	23	3	189
401430175	2012	1	6	4	V	2.1	44	2.86	191
401430175	2012	1	6	5	V	2.4	15	2.47	187
401430175	2012	1	6	6	V	2.7	7	2.35	183
401430175	2012	1	6	7	V	11.1	7	1.57	176
401430175	2012	1	6	8	V	2.7	7	2.44	187
401430175	2012	1	6	9	V	3.7	8	2.79	196
401430175	2012	1	6	10	V	8.4	6	4.32	191
401430175	2012	1	6	11	V	9.3	-999	5.41	195
401430175	2012	1	6	12	V	18.0	12	4.36	208
401430175	2012	1	6	13	V	11.2	12	4.37	185
401430175	2012	1	6	14	V	7.7	9	5.22	182
401430175	2012	1	6	15	V	8.9	11	4.61	192
401430175	2012	1	6	16	V	9.9	12	4.56	192
401430175	2012	1	6	17	V	4.4	4	3.63	192
401430175	2012	1	6	18	V	5.4	6	2.06	184
401430175	2012	1	6	19	V	3.3	5	1.09	256
401430175	2012	1	6	20	V	2.4	2	2.06	301
401430175	2012	1	6	21	V	2.6	1	4.58	4
401430175	2012	1	6	22	V	2.7	1	5.09	11
401430175	2012	1	6	23	V	3.7	1	4.8	16
401430175	2012	1	6	24	V	3.2	1	5.04	12
401430175	2012	1	7	1	V	2.3	1	4.37	15
401430175	2012	1	7	2	V	2.4	1	5.21	17
401430175	2012	1	7	3	V	1.9	1	5.63	14
401430175	2012	1	7	4	V	1.9	1	5.9	13
401430175	2012	1	7	5	V	2.1	1	4.48	11
401430175	2012	1	7	6	V	2.0	1	4.37	13
401430175	2012	1	7	7	V	1.6	1	4.24	16
401430175	2012	1	7	8	V	2.4	0	3.97	12
401430175	2012	1	7	9	V	2.0	1	4.8	15
401430175	2012	1	7	10	V	3.0	1	5.39	25
401430175	2012	1	7	11	V	3.2	1	5.21	33
401430175	2012	1	7	12	V	5.5	1	5.05	29
401430175	2012	1	7	13	V	6.5	0	5.14	32
401430175	2012	1	7	14	V	3.9	1	5.21	36
401430175	2012	1	7	15	V	4.4	2	4.8	42
401430175	2012	1	7	16	V	3.3	7	4.32	27
401430175	2012	1	7	17	V	3.4	5	4.7	20
401430175	2012	1	7	18	V	4.3	1	4.8	26
401430175	2012	1	7	19	V	2.9	0	4.44	23
401430175	2012	1	7	20	V	2.4	0	4.51	29

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	7	21	V	2.6	0	3.49	23
401430175	2012	1	7	22	V	2.7	0	4	24
401430175	2012	1	7	23	V	3.7	0	3.18	22
401430175	2012	1	7	24	V	3.2	0	2.95	18
401430175	2012	1	8	1	V	2.3	0	2.52	11
401430175	2012	1	8	2	V	2.4	1	3.54	9
401430175	2012	1	8	3	V	1.9	1	3.44	17
401430175	2012	1	8	4	V	1.9	0	3.29	21
401430175	2012	1	8	5	V	2.1	0	2.55	17
401430175	2012	1	8	6	V	2.0	0	2.86	16
401430175	2012	1	8	7	V	1.6	1	3.59	16
401430175	2012	1	8	8	V	2.4	1	3.85	14
401430175	2012	1	8	9	V	2.0	1	4	13
401430175	2012	1	8	10	V	3.1	1	4.2	16
401430175	2012	1	8	11	V	3.0	2	4.39	18
401430175	2012	1	8	12	V	5.5	4	3.98	15
401430175	2012	1	8	13	V	6.3	4	3.85	9
401430175	2012	1	8	14	V	3.0	6	3.86	11
401430175	2012	1	8	15	V	2.0	2	3.68	8
401430175	2012	1	8	16	V	3.2	1	3.85	7
401430175	2012	1	8	17	V	3.4	1	3.86	9
401430175	2012	1	8	18	V	4.3	2	3.06	7
401430175	2012	1	8	19	V	2.9	2	3.57	19
401430175	2012	1	8	20	V	2.4	2	3.13	14
401430175	2012	1	8	21	V	2.6	1	3.4	3
401430175	2012	1	8	22	V	2.7	1	4.24	7
401430175	2012	1	8	23	V	3.7	0	4.26	15
401430175	2012	1	8	24	V	3.2	0	3.56	14
401430175	2012	1	9	1	V	2.3	0	3.69	10
401430175	2012	1	9	2	V	2.4	0	3	10
401430175	2012	1	9	3	V	1.9	1	3.98	4
401430175	2012	1	9	4	V	1.9	1	3.25	10
401430175	2012	1	9	5	V	2.1	0	2.15	357
401430175	2012	1	9	6	V	2.0	0	1.81	345
401430175	2012	1	9	7	V	1.6	1	2.37	356
401430175	2012	1	9	8	V	2.4	1	1.84	351
401430175	2012	1	9	9	V	2.0	1	2.98	6
401430175	2012	1	9	10	V	3.2	2	3.12	12
401430175	2012	1	9	11	V	3.1	2	3.63	10
401430175	2012	1	9	12	V	5.5	2	4.94	15
401430175	2012	1	9	13	V	6.3	1	4.88	9
401430175	2012	1	9	14	V	3.1	1	3.54	9
401430175	2012	1	9	15	V	2.4	1	3.01	27
401430175	2012	1	9	16	V	3.5	1	2.83	10
401430175	2012	1	9	17	V	3.4	1	2.35	360
401430175	2012	1	9	18	V	4.4	1	1.59	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	9	19	V	3.6	1	0.97	3
401430175	2012	1	9	20	V	2.4	2	1.76	4
401430175	2012	1	9	21	V	2.7	1	1.79	355
401430175	2012	1	9	22	V	2.8	1	1.42	336
401430175	2012	1	9	23	V	3.7	1	2.25	17
401430175	2012	1	9	24	V	3.3	1	1.42	11
401430175	2012	1	10	1	V	2.3	1	2.1	23
401430175	2012	1	10	2	V	2.7	1	1.18	17
401430175	2012	1	10	3	V	1.9	1	2.25	16
401430175	2012	1	10	4	V	2.1	1	2.35	36
401430175	2012	1	10	5	V	2.1	1	3.54	27
401430175	2012	1	10	6	V	2.1	1	1.23	314
401430175	2012	1	10	7	V	1.6	1	2.05	6
401430175	2012	1	10	8	V	2.4	1	3.27	15
401430175	2012	1	10	9	V	2.1	1	3.18	19
401430175	2012	1	10	10	V	3.2	1	3.18	6
401430175	2012	1	10	11	V	3.3	1	2.71	357
401430175	2012	1	10	12	V	5.5	1	3.32	4
401430175	2012	1	10	13	C	-999	1	0	0
401430175	2012	1	10	14	C	-999	1	0	0
401430175	2012	1	10	15	V	2.2	2	1.76	296
401430175	2012	1	10	16	V	3.6	4	1.76	288
401430175	2012	1	10	17	C	-999	2	0	0
401430175	2012	1	10	18	C	-999	3	0	0
401430175	2012	1	10	19	C	-999	3	0	0
401430175	2012	1	10	20	C	-999	3	0	0
401430175	2012	1	10	21	V	2.9	2	1.16	317
401430175	2012	1	10	22	V	6.2	2	0.6	259
401430175	2012	1	10	23	V	3.9	2	1.43	143
401430175	2012	1	10	24	V	18.2	1	0.77	166
401430175	2012	1	11	1	V	7.2	1	0.87	244
401430175	2012	1	11	2	V	39.5	1	0.67	213
401430175	2012	1	11	3	C	-999	1	0	0
401430175	2012	1	11	4	V	16.5	2	0.75	239
401430175	2012	1	11	5	V	15.3	1	0.89	237
401430175	2012	1	11	6	V	16.9	1	1.08	234
401430175	2012	1	11	7	V	38.7	1	0.82	224
401430175	2012	1	11	8	C	-999	1	0	0
401430175	2012	1	11	9	V	40.0	2	0.72	216
401430175	2012	1	11	10	V	11.9	3	1.03	178
401430175	2012	1	11	11	V	14.3	8	1.45	188
401430175	2012	1	11	12	V	22.8	2	2.18	219
401430175	2012	1	11	13	V	7.1	1	2.71	260
401430175	2012	1	11	14	V	3.1	1	3.93	289
401430175	2012	1	11	15	V	2.0	1	4.75	315
401430175	2012	1	11	16	V	3.3	0	4.99	334

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	11	17	V	3.4	0	5.41	324
401430175	2012	1	11	18	V	4.3	0	5.72	332
401430175	2012	1	11	19	V	3.0	0	6.38	345
401430175	2012	1	11	20	V	2.4	0	6.47	341
401430175	2012	1	11	21	V	2.6	0	6.21	332
401430175	2012	1	11	22	V	2.7	0	5.92	342
401430175	2012	1	11	23	V	3.7	0	5.27	339
401430175	2012	1	11	24	V	3.2	0	4.53	337
401430175	2012	1	12	1	V	2.3	0	4.73	334
401430175	2012	1	12	2	V	2.4	0	3.92	330
401430175	2012	1	12	3	V	1.9	0	4.19	325
401430175	2012	1	12	4	V	1.9	0	3.49	313
401430175	2012	1	12	5	V	2.1	0	4.77	312
401430175	2012	1	12	6	V	2.0	0	4.05	316
401430175	2012	1	12	7	V	1.6	0	4	302
401430175	2012	1	12	8	V	2.4	0	4.88	311
401430175	2012	1	12	9	V	2.0	0	3.22	303
401430175	2012	1	12	10	V	3.1	0	4.54	302
401430175	2012	1	12	11	V	3.0	0	4.95	312
401430175	2012	1	12	12	V	5.5	0	4.92	298
401430175	2012	1	12	13	V	6.4	0	5.04	297
401430175	2012	1	12	14	V	3.0	0	4.76	293
401430175	2012	1	12	15	V	2.0	0	4.94	287
401430175	2012	1	12	16	V	3.3	0	4.61	289
401430175	2012	1	12	17	V	3.4	0	4.41	286
401430175	2012	1	12	18	V	4.3	0	3.07	283
401430175	2012	1	12	19	V	2.9	0	2.37	268
401430175	2012	1	12	20	V	2.4	0	1.81	263
401430175	2012	1	12	21	V	2.6	0	2.13	262
401430175	2012	1	12	22	V	2.7	0	1.98	267
401430175	2012	1	12	23	V	3.7	0	1.98	258
401430175	2012	1	12	24	V	3.3	1	1.64	278
401430175	2012	1	13	1	V	2.6	1	1.23	284
401430175	2012	1	13	2	V	2.5	0	1.6	279
401430175	2012	1	13	3	V	3.0	0	0.82	304
401430175	2012	1	13	4	V	2.1	0	1.31	278
401430175	2012	1	13	5	V	6.5	0	0.67	252
401430175	2012	1	13	6	C	-999	0	0	0
401430175	2012	1	13	7	V	16.2	1	0.72	184
401430175	2012	1	13	8	V	15.9	1	1.13	204
401430175	2012	1	13	9	V	37.4	2	0.8	226
401430175	2012	1	13	10	V	20.6	1	1.25	214
401430175	2012	1	13	11	V	21.1	2	1.3	207
401430175	2012	1	13	12	V	21.4	11	2.74	209
401430175	2012	1	13	13	V	22.7	14	3.32	215
401430175	2012	1	13	14	V	17.9	-999	3.47	211

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	13	15	V	18.2	11	3.42	221
401430175	2012	1	13	16	V	18.9	2	3.34	227
401430175	2012	1	13	17	V	9.4	0	2.45	237
401430175	2012	1	13	18	V	14.7	0	1.09	235
401430175	2012	1	13	19	C	-999	2	0	0
401430175	2012	1	13	20	C	-999	3	0	0
401430175	2012	1	13	21	V	17.1	2	1.37	213
401430175	2012	1	13	22	V	8.1	5	1.6	206
401430175	2012	1	13	23	V	20.4	2	0.89	203
401430175	2012	1	13	24	C	-999	2	0	0
401430175	2012	1	14	1	C	-999	2	0	0
401430175	2012	1	14	2	V	25.1	10	1.08	212
401430175	2012	1	14	3	V	37.4	19	0.84	225
401430175	2012	1	14	4	V	25.0	4	0.86	207
401430175	2012	1	14	5	V	7.1	1	1.98	232
401430175	2012	1	14	6	V	2.0	1	1.89	259
401430175	2012	1	14	7	V	1.7	1	1.5	249
401430175	2012	1	14	8	V	3.1	0	1.06	249
401430175	2012	1	14	9	V	2.0	0	2.2	310
401430175	2012	1	14	10	V	3.2	0	3.3	320
401430175	2012	1	14	11	V	3.0	0	4.32	331
401430175	2012	1	14	12	V	5.5	0	3.93	321
401430175	2012	1	14	13	V	6.4	0	4.02	321
401430175	2012	1	14	14	V	3.1	0	3.52	319
401430175	2012	1	14	15	V	2.5	0	2.61	296
401430175	2012	1	14	16	V	3.7	0	2.44	290
401430175	2012	1	14	17	V	3.5	0	1.93	280
401430175	2012	1	14	18	V	4.5	0	1.3	255
401430175	2012	1	14	19	V	5.6	0	0.62	281
401430175	2012	1	14	20	V	5.4	1	0.6	304
401430175	2012	1	14	21	C	-999	1	0	0
401430175	2012	1	14	22	V	24.9	1	0.6	198
401430175	2012	1	14	23	V	16.2	1	0.55	244
401430175	2012	1	14	24	V	18.2	1	0.55	242
401430175	2012	1	15	1	C	-999	2	0	0
401430175	2012	1	15	2	V	41.9	2	0.74	219
401430175	2012	1	15	3	V	5.5	1	0.65	255
401430175	2012	1	15	4	V	12.5	1	1.11	199
401430175	2012	1	15	5	V	7.1	0	1.43	197
401430175	2012	1	15	6	V	3.7	0	1.57	185
401430175	2012	1	15	7	V	9.4	0	1.62	177
401430175	2012	1	15	8	V	3.6	0	2.61	162
401430175	2012	1	15	9	V	6.5	2	3.9	168
401430175	2012	1	15	10	V	6.9	3	4.73	164
401430175	2012	1	15	11	V	7.2	8	5.53	167
401430175	2012	1	15	12	V	9.7	6	5.46	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	15	13	V	11.6	6	6.84	176
401430175	2012	1	15	14	V	7.0	9	7.93	180
401430175	2012	1	15	15	V	6.3	20	8.17	179
401430175	2012	1	15	16	V	9.0	9	7.3	176
401430175	2012	1	15	17	V	10.3	19	6.02	172
401430175	2012	1	15	18	V	8.1	8	5.07	165
401430175	2012	1	15	19	V	8.1	12	6.86	179
401430175	2012	1	15	20	V	8.8	20	7.4	178
401430175	2012	1	15	21	V	8.6	18	6.87	177
401430175	2012	1	15	22	V	7.3	16	6.5	179
401430175	2012	1	15	23	V	7.0	15	6.99	182
401430175	2012	1	15	24	V	7.3	4	8.01	190
401430175	2012	1	16	1	V	10.5	3	8.08	196
401430175	2012	1	16	2	V	12.3	2	8.22	198
401430175	2012	1	16	3	V	9.6	1	8.2	195
401430175	2012	1	16	4	V	9.1	2	7.76	196
401430175	2012	1	16	5	V	6.8	3	7.31	195
401430175	2012	1	16	6	V	7.9	5	7.11	200
401430175	2012	1	16	7	V	7.5	7	7.11	200
401430175	2012	1	16	8	V	10.7	7	7.47	201
401430175	2012	1	16	9	V	13.0	8	7.28	207
401430175	2012	1	16	10	V	14.8	20	7.99	208
401430175	2012	1	16	11	V	16.6	52	7.96	212
401430175	2012	1	16	12	V	20.1	55	7.43	214
401430175	2012	1	16	13	V	18.9	35	7.81	210
401430175	2012	1	16	14	V	15.2	44	7.31	207
401430175	2012	1	16	15	V	14.1	42	6.99	206
401430175	2012	1	16	16	V	9.7	39	6.82	194
401430175	2012	1	16	17	V	8.5	20	6.4	193
401430175	2012	1	16	18	V	7.3	4	7.43	189
401430175	2012	1	16	19	V	6.3	2	6.84	195
401430175	2012	1	16	20	V	5.1	2	6.75	194
401430175	2012	1	16	21	V	9.6	2	8.03	194
401430175	2012	1	16	22	V	11.0	2	8.27	195
401430175	2012	1	16	23	V	12.4	9	7.48	200
401430175	2012	1	16	24	V	7.6	7	6.79	199
401430175	2012	1	17	1	V	4.3	8	5.97	201
401430175	2012	1	17	2	V	13.0	41	4.36	226
401430175	2012	1	17	3	V	1.9	2	5.84	303
401430175	2012	1	17	4	V	1.9	1	5.78	319
401430175	2012	1	17	5	V	2.1	1	4.49	327
401430175	2012	1	17	6	V	2.0	0	4.58	325
401430175	2012	1	17	7	V	1.6	0	4.44	320
401430175	2012	1	17	8	V	2.4	0	4.29	330
401430175	2012	1	17	9	V	2.0	0	5.11	335
401430175	2012	1	17	10	V	3.0	0	4.92	338

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	17	11	V	3.0	0	5.14	339
401430175	2012	1	17	12	V	5.5	0	4.65	335
401430175	2012	1	17	13	V	6.3	0	4.73	345
401430175	2012	1	17	14	V	3.0	0	4.29	351
401430175	2012	1	17	15	V	2.0	0	4.49	354
401430175	2012	1	17	16	V	3.3	0	4.36	3
401430175	2012	1	17	17	V	3.4	0	4.54	8
401430175	2012	1	17	18	V	4.3	0	3.41	5
401430175	2012	1	17	19	V	2.9	0	2.42	355
401430175	2012	1	17	20	V	2.4	0	2.73	355
401430175	2012	1	17	21	V	2.6	0	2.93	351
401430175	2012	1	17	22	V	2.7	0	2.47	350
401430175	2012	1	17	23	V	3.7	0	2.69	8
401430175	2012	1	17	24	V	3.2	0	2.08	5
401430175	2012	1	18	1	V	2.3	0	2.06	15
401430175	2012	1	18	2	V	2.4	0	1.84	23
401430175	2012	1	18	3	V	2.1	0	1.3	24
401430175	2012	1	18	4	V	4.2	0	0.67	283
401430175	2012	1	18	5	C	-999	0	0	0
401430175	2012	1	18	6	V	3.0	1	0.84	277
401430175	2012	1	18	7	V	9.0	1	0.77	244
401430175	2012	1	18	8	C	-999	2	0	0
401430175	2012	1	18	9	V	13.2	1	1.04	199
401430175	2012	1	18	10	V	14.9	3	2.08	199
401430175	2012	1	18	11	V	8.8	2	4.32	191
401430175	2012	1	18	12	V	13.5	8	3.83	195
401430175	2012	1	18	13	V	12.5	1	3.54	187
401430175	2012	1	18	14	V	9.1	4	4.02	189
401430175	2012	1	18	15	V	7.1	7	4.54	187
401430175	2012	1	18	16	V	8.3	23	4.19	183
401430175	2012	1	18	17	V	7.8	8	3.93	178
401430175	2012	1	18	18	V	6.9	4	2.93	179
401430175	2012	1	18	19	V	3.4	4	2.23	185
401430175	2012	1	18	20	V	3.2	1	1.93	191
401430175	2012	1	18	21	V	10.0	2	1.35	200
401430175	2012	1	18	22	V	3.0	5	2.42	188
401430175	2012	1	18	23	V	7.8	4	1.57	181
401430175	2012	1	18	24	V	13.9	8	1.65	173
401430175	2012	1	19	1	V	10.4	11	1.38	179
401430175	2012	1	19	2	V	7.6	3	1.03	159
401430175	2012	1	19	3	V	2.8	1	2.4	161
401430175	2012	1	19	4	V	13.9	3	1.55	171
401430175	2012	1	19	5	V	3.9	1	1.99	162
401430175	2012	1	19	6	V	9.4	2	2.13	171
401430175	2012	1	19	7	V	3.1	2	1.54	188
401430175	2012	1	19	8	V	2.8	2	1.06	278

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	19	9	V	2.4	3	1.07	8
401430175	2012	1	19	10	V	3.8	1	2.65	31
401430175	2012	1	19	11	V	6.8	3	1.3	38
401430175	2012	1	19	12	V	6.4	-999	1.82	311
401430175	2012	1	19	13	V	6.5	2	3.27	26
401430175	2012	1	19	14	V	3.0	2	4.46	20
401430175	2012	1	19	15	V	2.0	2	4.41	9
401430175	2012	1	19	16	V	3.3	2	4.27	13
401430175	2012	1	19	17	V	3.4	1	3.68	9
401430175	2012	1	19	18	V	4.3	1	3.17	3
401430175	2012	1	19	19	V	2.9	1	2.69	358
401430175	2012	1	19	20	V	2.4	1	3.29	356
401430175	2012	1	19	21	V	2.6	1	4.12	15
401430175	2012	1	19	22	V	2.7	0	4.05	17
401430175	2012	1	19	23	V	3.7	0	3.91	15
401430175	2012	1	19	24	V	3.2	0	4.12	23
401430175	2012	1	20	1	V	2.3	0	3.08	18
401430175	2012	1	20	2	V	2.4	0	3.1	29
401430175	2012	1	20	3	V	1.9	0	3.32	30
401430175	2012	1	20	4	V	2.0	1	1.45	23
401430175	2012	1	20	5	V	2.4	0	1.16	10
401430175	2012	1	20	6	V	2.0	1	1.82	11
401430175	2012	1	20	7	V	1.6	1	1.93	19
401430175	2012	1	20	8	V	2.4	1	3.37	22
401430175	2012	1	20	9	V	2.0	1	3.13	27
401430175	2012	1	20	10	V	3.2	1	2.76	21
401430175	2012	1	20	11	V	3.5	1	1.6	354
401430175	2012	1	20	12	V	6.3	1	1.93	30
401430175	2012	1	20	13	V	6.8	1	1.96	333
401430175	2012	1	20	14	V	3.7	1	1.69	295
401430175	2012	1	20	15	V	2.2	1	2.62	299
401430175	2012	1	20	16	V	3.3	1	3.32	306
401430175	2012	1	20	17	V	3.4	1	3.29	329
401430175	2012	1	20	18	V	4.3	1	3.35	341
401430175	2012	1	20	19	V	2.9	1	4.56	3
401430175	2012	1	20	20	V	2.4	1	5.38	1
401430175	2012	1	20	21	V	2.6	1	5.65	2
401430175	2012	1	20	22	V	2.7	1	5.73	4
401430175	2012	1	20	23	V	3.8	1	5.97	3
401430175	2012	1	20	24	V	3.2	1	6.21	5
401430175	2012	1	21	1	V	2.3	1	5.75	5
401430175	2012	1	21	2	V	2.4	1	5.29	8
401430175	2012	1	21	3	V	1.9	0	4.68	9
401430175	2012	1	21	4	V	1.9	0	4.54	5
401430175	2012	1	21	5	V	2.1	0	4.54	360
401430175	2012	1	21	6	V	2.0	0	4.83	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	21	7	V	1.6	0	3.3	15
401430175	2012	1	21	8	V	2.4	0	4.24	3
401430175	2012	1	21	9	V	2.0	1	4.8	17
401430175	2012	1	21	10	V	3.1	2	4.27	19
401430175	2012	1	21	11	V	3.1	3	3.37	17
401430175	2012	1	21	12	V	5.9	3	2.49	21
401430175	2012	1	21	13	V	8.3	3	1.65	35
401430175	2012	1	21	14	V	4.2	2	1.77	27
401430175	2012	1	21	15	V	2.6	4	2.04	17
401430175	2012	1	21	16	V	3.6	3	2.27	73
401430175	2012	1	21	17	V	3.4	1	2.44	125
401430175	2012	1	21	18	V	4.3	1	2.88	150
401430175	2012	1	21	19	V	5.6	3	2.22	164
401430175	2012	1	21	20	V	2.4	3	2.18	148
401430175	2012	1	21	21	V	4.1	4	2.74	158
401430175	2012	1	21	22	V	2.9	2	3.15	150
401430175	2012	1	21	23	V	6.2	1	4.83	161
401430175	2012	1	21	24	V	8.8	1	5.33	170
401430175	2012	1	22	1	V	7.7	14	5	172
401430175	2012	1	22	2	V	6.7	15	3.81	169
401430175	2012	1	22	3	V	5.1	1	4.93	163
401430175	2012	1	22	4	V	4.0	1	4.54	160
401430175	2012	1	22	5	V	5.3	1	5.58	162
401430175	2012	1	22	6	V	10.8	11	7.86	173
401430175	2012	1	22	7	V	10.2	24	8.2	175
401430175	2012	1	22	8	V	10.5	26	7.11	172
401430175	2012	1	22	9	V	9.6	29	6.72	170
401430175	2012	1	22	10	V	8.4	33	7.55	175
401430175	2012	1	22	11	V	8.1	30	7.79	178
401430175	2012	1	22	12	V	9.4	7	10.04	192
401430175	2012	1	22	13	V	9.8	6	9.95	191
401430175	2012	1	22	14	V	5.6	7	9.15	186
401430175	2012	1	22	15	V	5.3	19	8.27	189
401430175	2012	1	22	16	V	17.8	37	9.13	215
401430175	2012	1	22	17	V	20.6	24	9.32	218
401430175	2012	1	22	18	V	35.9	38	8.33	219
401430175	2012	1	22	19	V	9.8	61	5.38	237
401430175	2012	1	22	20	V	2.4	2	5.8	275
401430175	2012	1	22	21	V	2.7	1	6.7	277
401430175	2012	1	22	22	V	2.7	1	5.82	288
401430175	2012	1	22	23	V	3.8	0	5.75	300
401430175	2012	1	22	24	V	3.2	0	3.25	281
401430175	2012	1	23	1	V	2.3	0	2.13	285
401430175	2012	1	23	2	V	2.4	0	1.99	251
401430175	2012	1	23	3	V	1.9	1	2.2	290
401430175	2012	1	23	4	V	1.9	1	1.84	269

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	23	5	V	3.2	1	1.6	239
401430175	2012	1	23	6	V	3.3	0	0.79	283
401430175	2012	1	23	7	V	1.7	1	1.52	265
401430175	2012	1	23	8	V	2.4	1	2.25	270
401430175	2012	1	23	9	V	2.1	1	1.96	276
401430175	2012	1	23	10	V	3.3	1	2.64	291
401430175	2012	1	23	11	V	3.3	1	2.47	300
401430175	2012	1	23	12	V	5.7	0	3.35	303
401430175	2012	1	23	13	V	6.6	0	3.25	282
401430175	2012	1	23	14	V	3.4	0	2.64	279
401430175	2012	1	23	15	V	2.3	0	2.88	286
401430175	2012	1	23	16	V	3.8	1	2.54	262
401430175	2012	1	23	17	V	3.5	2	2.08	273
401430175	2012	1	23	18	V	5.1	1	0.75	261
401430175	2012	1	23	19	C	-999	1	0	0
401430175	2012	1	23	20	C	-999	2	0	0
401430175	2012	1	23	21	V	20.5	1	0.55	240
401430175	2012	1	23	22	V	5.4	2	0.62	276
401430175	2012	1	23	23	V	7.5	3	0.53	275
401430175	2012	1	23	24	C	-999	3	0	0
401430175	2012	1	24	1	C	-999	3	0	0
401430175	2012	1	24	2	C	-999	3	0	0
401430175	2012	1	24	3	C	-999	3	0	0
401430175	2012	1	24	4	C	-999	2	0	0
401430175	2012	1	24	5	V	4.4	2	0.67	276
401430175	2012	1	24	6	C	-999	2	0	0
401430175	2012	1	24	7	V	3.7	2	0.69	265
401430175	2012	1	24	8	V	26.2	3	1.18	229
401430175	2012	1	24	9	V	18.8	2	0.63	182
401430175	2012	1	24	10	V	4.0	1	1.89	138
401430175	2012	1	24	11	V	3.0	1	4.05	135
401430175	2012	1	24	12	V	5.5	0	4.97	141
401430175	2012	1	24	13	V	6.3	0	6.01	145
401430175	2012	1	24	14	V	3.0	0	5.51	133
401430175	2012	1	24	15	V	1.9	0	5.48	130
401430175	2012	1	24	16	V	3.2	0	5.9	119
401430175	2012	1	24	17	V	3.4	0	4.17	135
401430175	2012	1	24	18	V	4.3	6	2.96	117
401430175	2012	1	24	19	V	2.9	6	2.83	108
401430175	2012	1	24	20	V	2.4	1	3.49	107
401430175	2012	1	24	21	V	2.6	1	2.95	139
401430175	2012	1	24	22	V	6.0	8	4.88	163
401430175	2012	1	24	23	V	5.0	4	3.81	158
401430175	2012	1	24	24	V	3.2	1	2.57	131
401430175	2012	1	25	1	V	2.3	1	2.95	82
401430175	2012	1	25	2	V	2.4	1	1.79	65

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	25	3	V	2.1	1	2.35	37
401430175	2012	1	25	4	V	4.7	0	2.74	43
401430175	2012	1	25	5	V	3.3	1	3.12	40
401430175	2012	1	25	6	V	2.7	0	5.12	39
401430175	2012	1	25	7	V	1.6	0	5.14	33
401430175	2012	1	25	8	V	4.1	0	3.01	41
401430175	2012	1	25	9	V	3.2	0	2.76	39
401430175	2012	1	25	10	V	3.1	0	3.05	10
401430175	2012	1	25	11	V	3.6	0	3.15	35
401430175	2012	1	25	12	V	5.6	0	2.66	14
401430175	2012	1	25	13	V	6.3	1	3.69	2
401430175	2012	1	25	14	V	2.9	1	4.27	6
401430175	2012	1	25	15	V	1.9	1	4.88	23
401430175	2012	1	25	16	V	3.2	0	3.68	24
401430175	2012	1	25	17	V	3.5	0	3.05	28
401430175	2012	1	25	18	V	4.3	0	3.93	11
401430175	2012	1	25	19	V	2.9	0	3.68	14
401430175	2012	1	25	20	V	2.4	1	3.44	18
401430175	2012	1	25	21	V	2.6	0	3.66	16
401430175	2012	1	25	22	V	2.7	1	3.92	19
401430175	2012	1	25	23	V	3.7	0	3.56	27
401430175	2012	1	25	24	V	3.2	1	2.2	6
401430175	2012	1	26	1	V	2.3	1	1.77	3
401430175	2012	1	26	2	V	2.4	0	3.35	356
401430175	2012	1	26	3	V	1.9	0	3.37	4
401430175	2012	1	26	4	V	1.9	0	3.03	348
401430175	2012	1	26	5	V	2.1	1	3.18	13
401430175	2012	1	26	6	V	2.0	0	3.64	8
401430175	2012	1	26	7	V	1.6	0	3.12	11
401430175	2012	1	26	8	V	2.4	0	3	1
401430175	2012	1	26	9	V	2.0	0	3.29	354
401430175	2012	1	26	10	V	3.1	0	4.12	4
401430175	2012	1	26	11	V	3.0	0	5.09	355
401430175	2012	1	26	12	V	5.5	0	4.39	352
401430175	2012	1	26	13	V	6.3	0	5.38	8
401430175	2012	1	26	14	V	2.9	0	6.13	11
401430175	2012	1	26	15	V	2.0	0	5.89	354
401430175	2012	1	26	16	V	3.2	0	5.53	337
401430175	2012	1	26	17	V	3.4	1	4.7	339
401430175	2012	1	26	18	V	4.3	0	4.14	336
401430175	2012	1	26	19	V	2.9	1	2.16	338
401430175	2012	1	26	20	V	2.5	1	1.37	303
401430175	2012	1	26	21	V	4.6	1	0.7	275
401430175	2012	1	26	22	V	9.0	1	0.94	241
401430175	2012	1	26	23	V	31.5	1	0.74	206
401430175	2012	1	26	24	V	10.4	1	0.86	242

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	27	1	V	5.4	1	0.58	9
401430175	2012	1	27	2	V	36.9	1	0.75	228
401430175	2012	1	27	3	V	19.4	1	0.57	182
401430175	2012	1	27	4	V	6.8	1	0.6	253
401430175	2012	1	27	5	V	9.5	1	0.52	251
401430175	2012	1	27	6	V	16.6	1	0.72	184
401430175	2012	1	27	7	C	-999	1	0	0
401430175	2012	1	27	8	V	30.6	2	1.01	229
401430175	2012	1	27	9	V	3.8	2	1.72	155
401430175	2012	1	27	10	V	7.3	1	3.63	165
401430175	2012	1	27	11	V	6.5	-999	4.14	164
401430175	2012	1	27	12	V	8.7	1	5.84	162
401430175	2012	1	27	13	V	11.4	10	7.28	170
401430175	2012	1	27	14	V	7.3	10	6.41	166
401430175	2012	1	27	15	V	6.3	3	6.35	185
401430175	2012	1	27	16	V	9.6	9	6.26	193
401430175	2012	1	27	17	V	19.1	7	4.05	212
401430175	2012	1	27	18	V	4.3	1	3.42	276
401430175	2012	1	27	19	V	2.9	1	4.05	302
401430175	2012	1	27	20	V	2.4	1	5.63	329
401430175	2012	1	27	21	V	2.6	1	6.28	336
401430175	2012	1	27	22	V	2.7	1	6.06	345
401430175	2012	1	27	23	V	3.7	0	5.09	354
401430175	2012	1	27	24	V	3.2	0	4.2	345
401430175	2012	1	28	1	V	2.3	0	4.97	345
401430175	2012	1	28	2	V	2.4	0	4.87	353
401430175	2012	1	28	3	V	1.9	0	3.98	358
401430175	2012	1	28	4	V	1.8	0	2.78	354
401430175	2012	1	28	5	V	2.2	0	1.35	314
401430175	2012	1	28	6	V	2.1	0	1.35	294
401430175	2012	1	28	7	V	1.8	0	1.31	277
401430175	2012	1	28	8	V	3.0	0	1.04	252
401430175	2012	1	28	9	V	2.4	0	0.97	308
401430175	2012	1	28	10	V	3.8	0	1.94	321
401430175	2012	1	28	11	V	3.7	0	1.82	330
401430175	2012	1	28	12	V	6.0	0	2.54	311
401430175	2012	1	28	13	V	7.0	0	2.38	296
401430175	2012	1	28	14	V	10.6	0	2.98	236
401430175	2012	1	28	15	V	4.6	0	2.93	251
401430175	2012	1	28	16	V	4.3	0	2.98	256
401430175	2012	1	28	17	V	3.6	0	2.64	256
401430175	2012	1	28	18	V	4.3	0	1.67	258
401430175	2012	1	28	19	V	5.6	1	0.89	246
401430175	2012	1	28	20	C	-999	1	0	0
401430175	2012	1	28	21	V	6.6	1	0.6	256
401430175	2012	1	28	22	V	42.6	1	0.74	221

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	28	23	V	34.6	1	0.67	231
401430175	2012	1	28	24	V	24.6	1	0.74	201
401430175	2012	1	29	1	V	23.7	1	0.87	206
401430175	2012	1	29	2	C	-999	1	0	0
401430175	2012	1	29	3	V	15.2	1	0.77	186
401430175	2012	1	29	4	V	12.6	1	1.16	201
401430175	2012	1	29	5	V	32.2	1	0.53	203
401430175	2012	1	29	6	V	30.1	1	0.63	233
401430175	2012	1	29	7	V	13.0	1	0.75	162
401430175	2012	1	29	8	C	-999	1	0	0
401430175	2012	1	29	9	V	9.4	2	1.65	201
401430175	2012	1	29	10	V	17.7	3	4.39	213
401430175	2012	1	29	11	V	16.4	3	5.56	214
401430175	2012	1	29	12	V	20.8	4	6.36	214
401430175	2012	1	29	13	V	22.7	2	5.7	219
401430175	2012	1	29	14	V	18.1	4	5.14	213
401430175	2012	1	29	15	V	18.4	3	5.48	220
401430175	2012	1	29	16	V	19.1	4	5.48	211
401430175	2012	1	29	17	V	19.2	4	4.75	210
401430175	2012	1	29	18	V	5.2	2	3.1	202
401430175	2012	1	29	19	V	5.3	1	1.4	192
401430175	2012	1	29	20	V	10.7	2	1.26	199
401430175	2012	1	29	21	V	6.0	1	1.7	199
401430175	2012	1	29	22	V	3.1	3	2.35	193
401430175	2012	1	29	23	V	6.7	2	1.62	196
401430175	2012	1	29	24	V	10.0	3	1.45	203
401430175	2012	1	30	1	V	4.3	5	1.86	197
401430175	2012	1	30	2	V	4.6	10	1.93	181
401430175	2012	1	30	3	V	2.3	9	2.35	187
401430175	2012	1	30	4	V	2.7	12	2.01	184
401430175	2012	1	30	5	V	3.2	11	2.35	205
401430175	2012	1	30	6	V	3.0	8	2.35	200
401430175	2012	1	30	7	V	1.9	8	2.62	193
401430175	2012	1	30	8	V	2.9	2	2.1	188
401430175	2012	1	30	9	V	3.3	3	4.03	191
401430175	2012	1	30	10	V	9.4	4	5.55	195
401430175	2012	1	30	11	V	7.3	2	6.04	190
401430175	2012	1	30	12	V	10.2	2	6.58	191
401430175	2012	1	30	13	V	10.0	2	6.65	184
401430175	2012	1	30	14	V	7.9	5	7.88	192
401430175	2012	1	30	15	V	6.8	2	8.11	192
401430175	2012	1	30	16	V	6.3	2	7.55	186
401430175	2012	1	30	17	V	6.3	3	7.35	183
401430175	2012	1	30	18	V	7.3	6	6.91	183
401430175	2012	1	30	19	V	7.8	3	6.6	179
401430175	2012	1	30	20	V	7.8	7	6.09	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	1	30	21	V	8.5	13	5.99	170
401430175	2012	1	30	22	V	5.8	10	6.06	181
401430175	2012	1	30	23	V	5.5	2	6.72	186
401430175	2012	1	30	24	V	5.2	2	6.65	189
401430175	2012	1	31	1	V	4.6	2	6.91	192
401430175	2012	1	31	2	V	3.7	2	6.41	189
401430175	2012	1	31	3	V	3.2	5	5.99	192
401430175	2012	1	31	4	V	3.9	2	6.21	194
401430175	2012	1	31	5	V	3.2	2	5.44	189
401430175	2012	1	31	6	V	4.3	2	5.92	184
401430175	2012	1	31	7	V	6.8	2	5.6	177
401430175	2012	1	31	8	V	7.4	3	5.85	178
401430175	2012	1	31	9	V	5.6	3	6.58	183
401430175	2012	1	31	10	V	6.6	2	7.3	191
401430175	2012	1	31	11	V	12.0	2	7.69	198
401430175	2012	1	31	12	V	16.5	3	6.99	202
401430175	2012	1	31	13	V	20.0	4	6.65	210
401430175	2012	1	31	14	V	18.4	6	6.87	220
401430175	2012	1	31	15	V	17.4	4	5.99	223
401430175	2012	1	31	16	V	11.8	1	5.19	234
401430175	2012	1	31	17	V	12.0	2	3.68	235
401430175	2012	1	31	18	V	4.3	1	2.27	244
401430175	2012	1	31	19	V	2.9	0	1.84	290
401430175	2012	1	31	20	V	2.6	1	1.23	315
401430175	2012	1	31	21	V	3.3	1	0.96	283
401430175	2012	1	31	22	V	19.3	1	0.63	240
401430175	2012	1	31	23	V	5.0	1	0.8	290
401430175	2012	1	31	24	V	42.7	1	0.62	225
401430175	2012	2	1	1	V	2.7	0	1.11	26
401430175	2012	2	1	2	V	2.4	0	2.78	14
401430175	2012	2	1	3	V	1.9	0	3.1	10
401430175	2012	2	1	4	V	1.9	0	3.05	11
401430175	2012	2	1	5	V	2.1	0	1.91	23
401430175	2012	2	1	6	V	2.0	0	2.83	11
401430175	2012	2	1	7	V	1.6	0	2.78	5
401430175	2012	2	1	8	V	2.4	0	2.98	9
401430175	2012	2	1	9	V	2.1	0	3.35	14
401430175	2012	2	1	10	V	3.2	0	3.46	20
401430175	2012	2	1	11	V	3.9	0	3.44	35
401430175	2012	2	1	12	V	6.8	0	3.59	38
401430175	2012	2	1	13	V	6.8	0	4.71	35
401430175	2012	2	1	14	V	3.3	0	3.88	32
401430175	2012	2	1	15	V	2.2	2	3.12	17
401430175	2012	2	1	16	V	3.5	2	3.17	2
401430175	2012	2	1	17	V	3.5	0	3.1	1
401430175	2012	2	1	18	V	4.3	0	2.57	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	1	19	V	3.3	0	1.16	330
401430175	2012	2	1	20	V	4.4	1	0.72	332
401430175	2012	2	1	21	V	3.0	1	1.14	342
401430175	2012	2	1	22	V	3.4	1	0.96	25
401430175	2012	2	1	23	V	4.2	0	1.06	17
401430175	2012	2	1	24	V	3.3	0	1.47	7
401430175	2012	2	2	1	V	2.5	0	1.42	13
401430175	2012	2	2	2	V	9.0	0	0.63	250
401430175	2012	2	2	3	C	-999	0	0	0
401430175	2012	2	2	4	V	4.7	0	0.63	295
401430175	2012	2	2	5	C	-999	0	0	0
401430175	2012	2	2	6	V	3.2	0	0.84	351
401430175	2012	2	2	7	V	22.1	1	0.58	192
401430175	2012	2	2	8	C	-999	1	0	0
401430175	2012	2	2	9	V	3.4	1	0.94	34
401430175	2012	2	2	10	V	6.6	1	0.92	51
401430175	2012	2	2	11	V	3.1	1	3.73	124
401430175	2012	2	2	12	V	5.5	2	4.92	124
401430175	2012	2	2	13	V	6.4	3	4.32	126
401430175	2012	2	2	14	V	3.0	2	4.61	114
401430175	2012	2	2	15	V	2.0	1	4.44	140
401430175	2012	2	2	16	V	3.2	1	5.39	128
401430175	2012	2	2	17	V	3.4	0	5.46	121
401430175	2012	2	2	18	V	4.3	1	4.97	120
401430175	2012	2	2	19	V	2.9	4	4.42	117
401430175	2012	2	2	20	V	2.4	3	4.94	121
401430175	2012	2	2	21	V	2.6	3	5.1	125
401430175	2012	2	2	22	V	2.7	3	5.63	133
401430175	2012	2	2	23	V	3.7	2	6.67	134
401430175	2012	2	2	24	V	3.2	1	6.82	136
401430175	2012	2	3	1	V	2.3	1	6.23	141
401430175	2012	2	3	2	V	2.4	1	5.75	138
401430175	2012	2	3	3	V	1.9	1	6.67	137
401430175	2012	2	3	4	V	1.9	1	5.51	138
401430175	2012	2	3	5	V	2.1	0	5	146
401430175	2012	2	3	6	V	3.2	0	5.21	156
401430175	2012	2	3	7	V	2.3	0	5.58	153
401430175	2012	2	3	8	V	4.2	0	3.83	159
401430175	2012	2	3	9	V	2.1	0	4.94	149
401430175	2012	2	3	10	V	3.6	-999	4.56	152
401430175	2012	2	3	11	V	3.0	0	5.17	148
401430175	2012	2	3	12	V	5.7	0	3.95	151
401430175	2012	2	3	13	V	6.4	0	4.63	150
401430175	2012	2	3	14	V	3.3	0	4.44	152
401430175	2012	2	3	15	V	2.0	0	4.36	30
401430175	2012	2	3	16	V	3.2	0	5.99	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	3	17	V	3.4	0	5.22	18
401430175	2012	2	3	18	V	5.4	0	5.1	48
401430175	2012	2	3	19	V	2.9	0	4.75	70
401430175	2012	2	3	20	V	2.4	0	2.66	79
401430175	2012	2	3	21	V	2.9	0	0.96	333
401430175	2012	2	3	22	V	2.8	0	1.4	279
401430175	2012	2	3	23	V	3.7	0	2.61	285
401430175	2012	2	3	24	V	3.2	0	1.94	299
401430175	2012	2	4	1	V	2.4	0	1.62	284
401430175	2012	2	4	2	V	2.5	0	1.42	292
401430175	2012	2	4	3	V	1.9	0	2.23	257
401430175	2012	2	4	4	V	1.9	0	3.49	267
401430175	2012	2	4	5	V	2.1	0	3.27	269
401430175	2012	2	4	6	V	2.0	0	3.61	269
401430175	2012	2	4	7	V	1.6	0	2.93	274
401430175	2012	2	4	8	V	2.4	0	2.23	267
401430175	2012	2	4	9	V	2.1	0	2.64	276
401430175	2012	2	4	10	V	3.1	0	2.88	286
401430175	2012	2	4	11	V	3.0	0	3.71	290
401430175	2012	2	4	12	V	5.5	0	4.22	295
401430175	2012	2	4	13	V	6.3	0	4.32	302
401430175	2012	2	4	14	V	3.0	0	3.68	295
401430175	2012	2	4	15	V	2.0	0	3.47	299
401430175	2012	2	4	16	V	3.2	0	3.95	309
401430175	2012	2	4	17	V	3.4	0	3.76	314
401430175	2012	2	4	18	V	4.3	0	3.57	315
401430175	2012	2	4	19	V	3.0	0	4.1	324
401430175	2012	2	4	20	V	2.4	0	3.64	330
401430175	2012	2	4	21	V	2.6	0	4.27	337
401430175	2012	2	4	22	V	2.7	0	4.48	334
401430175	2012	2	4	23	V	3.7	0	3.97	330
401430175	2012	2	4	24	V	3.2	0	3.58	325
401430175	2012	2	5	1	V	2.4	0	3.97	328
401430175	2012	2	5	2	M	-999	0	3.36	999
401430175	2012	2	5	3	V	1.9	0	4.36	332
401430175	2012	2	5	4	M	-999	0	2.36	999
401430175	2012	2	5	5	V	2.1	0	3.36	329
401430175	2012	2	5	6	V	2.0	0	3.86	326
401430175	2012	2	5	7	V	1.6	0	2.93	336
401430175	2012	2	5	8	V	2.4	0	3.03	337
401430175	2012	2	5	9	V	2.1	0	3.2	341
401430175	2012	2	5	10	V	3.0	0	3.03	346
401430175	2012	2	5	11	V	3.0	0	3.01	353
401430175	2012	2	5	12	V	5.5	0	3.15	7
401430175	2012	2	5	13	V	6.4	0	2.95	2
401430175	2012	2	5	14	V	3.5	0	3.8	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	5	15	V	2.3	0	2.91	28
401430175	2012	2	5	16	V	3.5	0	3.4	5
401430175	2012	2	5	17	V	3.5	0	4.09	11
401430175	2012	2	5	18	V	4.3	0	2.38	16
401430175	2012	2	5	19	V	4.2	0	0.65	320
401430175	2012	2	5	20	V	5.2	0	0.63	282
401430175	2012	2	5	21	C	-999	0	0	0
401430175	2012	2	5	22	C	-999	0	0	0
401430175	2012	2	5	23	C	-999	0	0	0
401430175	2012	2	5	24	V	30.2	0	0.6	200
401430175	2012	2	6	1	C	-999	0	0	0
401430175	2012	2	6	2	C	-999	0	0	0
401430175	2012	2	6	3	V	20.5	0	0.53	241
401430175	2012	2	6	4	V	38.4	0	0.75	229
401430175	2012	2	6	5	C	-999	0	0	0
401430175	2012	2	6	6	V	27.3	0	0.53	237
401430175	2012	2	6	7	C	-999	0	0	0
401430175	2012	2	6	8	V	38.7	1	0.53	205
401430175	2012	2	6	9	V	5.4	1	0.63	135
401430175	2012	2	6	10	V	10.7	0	0.82	147
401430175	2012	2	6	11	V	8.2	23	1.03	156
401430175	2012	2	6	12	V	13.8	21	1.69	192
401430175	2012	2	6	13	V	9.0	1	1.71	150
401430175	2012	2	6	14	V	6.7	1	1.4	254
401430175	2012	2	6	15	V	7.5	3	1.47	181
401430175	2012	2	6	16	V	4.4	20	1.67	104
401430175	2012	2	6	17	V	3.8	6	1.86	101
401430175	2012	2	6	18	V	4.6	1	1.08	130
401430175	2012	2	6	19	V	28.5	1	0.52	196
401430175	2012	2	6	20	C	-999	2	0	0
401430175	2012	2	6	21	C	-999	2	0	0
401430175	2012	2	6	22	C	-999	2	0	0
401430175	2012	2	6	23	V	6.6	1	0.63	278
401430175	2012	2	6	24	C	-999	1	0	0
401430175	2012	2	7	1	V	6.6	1	0.52	333
401430175	2012	2	7	2	V	4.1	1	0.75	271
401430175	2012	2	7	3	C	-999	1	0	0
401430175	2012	2	7	4	C	-999	1	0	0
401430175	2012	2	7	5	V	5.5	1	0.58	293
401430175	2012	2	7	6	V	4.3	1	0.7	41
401430175	2012	2	7	7	V	3.0	1	0.8	276
401430175	2012	2	7	8	V	3.0	1	0.97	3
401430175	2012	2	7	9	V	4.9	1	1.6	44
401430175	2012	2	7	10	V	3.4	1	1.71	18
401430175	2012	2	7	11	V	3.8	0	1.48	20
401430175	2012	2	7	12	V	6.4	1	1.79	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	7	13	V	6.7	1	2.27	19
401430175	2012	2	7	14	V	3.0	1	2.69	16
401430175	2012	2	7	15	V	1.9	1	4.05	18
401430175	2012	2	7	16	V	3.2	0	4.22	8
401430175	2012	2	7	17	V	3.4	0	4.17	7
401430175	2012	2	7	18	V	4.3	0	3.98	345
401430175	2012	2	7	19	V	2.9	0	3.37	347
401430175	2012	2	7	20	V	2.4	0	4.14	352
401430175	2012	2	7	21	V	2.6	0	3.73	342
401430175	2012	2	7	22	V	2.7	0	3.27	340
401430175	2012	2	7	23	V	3.7	0	3.97	348
401430175	2012	2	7	24	V	3.2	0	2.81	340
401430175	2012	2	8	1	V	2.3	0	3.01	336
401430175	2012	2	8	2	V	2.4	0	2.74	338
401430175	2012	2	8	3	V	1.9	0	3.2	341
401430175	2012	2	8	4	V	1.9	0	3.27	340
401430175	2012	2	8	5	V	2.1	0	3	6
401430175	2012	2	8	6	V	2.0	0	1.64	327
401430175	2012	2	8	7	V	1.7	0	1.69	337
401430175	2012	2	8	8	V	2.4	0	1.91	328
401430175	2012	2	8	9	V	2.1	0	1.93	330
401430175	2012	2	8	10	V	3.1	0	1.79	339
401430175	2012	2	8	11	V	3.2	0	1.82	334
401430175	2012	2	8	12	V	5.6	0	2.32	3
401430175	2012	2	8	13	V	6.4	0	2.56	16
401430175	2012	2	8	14	V	3.2	0	2.08	10
401430175	2012	2	8	15	V	2.5	0	1.48	25
401430175	2012	2	8	16	V	12.2	0	0.7	220
401430175	2012	2	8	17	V	4.4	1	1.33	52
401430175	2012	2	8	18	V	7.3	2	1.43	42
401430175	2012	2	8	19	V	4.9	1	1.06	41
401430175	2012	2	8	20	V	5.6	1	0.62	310
401430175	2012	2	8	21	C	-999	0	0	0
401430175	2012	2	8	22	V	3.8	0	0.8	267
401430175	2012	2	8	23	V	5.8	0	0.72	288
401430175	2012	2	8	24	V	3.7	0	1.09	252
401430175	2012	2	9	1	V	4.1	0	0.75	259
401430175	2012	2	9	2	V	3.7	0	0.8	286
401430175	2012	2	9	3	C	-999	0	0	0
401430175	2012	2	9	4	V	3.2	0	0.8	281
401430175	2012	2	9	5	V	2.6	0	1.01	302
401430175	2012	2	9	6	V	3.3	0	0.8	18
401430175	2012	2	9	7	V	2.1	0	1.01	269
401430175	2012	2	9	8	V	5.2	0	0.65	264
401430175	2012	2	9	9	V	13.9	0	0.58	229
401430175	2012	2	9	10	V	12.1	2	1.82	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	9	11	V	9.3	1	2.54	186
401430175	2012	2	9	12	V	11.8	3	3.15	183
401430175	2012	2	9	13	V	12.8	2	2.49	179
401430175	2012	2	9	14	V	8.3	2	2.33	172
401430175	2012	2	9	15	V	5.1	0	2.33	156
401430175	2012	2	9	16	V	10.3	0	2.83	166
401430175	2012	2	9	17	V	3.4	0	2.91	149
401430175	2012	2	9	18	V	4.3	0	2.73	133
401430175	2012	2	9	19	V	2.9	0	2.04	114
401430175	2012	2	9	20	V	7.0	0	1.59	202
401430175	2012	2	9	21	V	4.2	0	0.75	312
401430175	2012	2	9	22	V	3.4	0	0.96	294
401430175	2012	2	9	23	V	7.7	0	0.55	284
401430175	2012	2	9	24	V	5.4	0	0.7	275
401430175	2012	2	10	1	V	2.7	0	1.13	295
401430175	2012	2	10	2	V	2.7	0	1.11	257
401430175	2012	2	10	3	V	42.4	0	0.97	223
401430175	2012	2	10	4	V	2.1	0	1.28	259
401430175	2012	2	10	5	V	2.1	0	1.93	286
401430175	2012	2	10	6	V	2.0	0	2.15	307
401430175	2012	2	10	7	V	1.6	0	2.28	290
401430175	2012	2	10	8	V	2.4	1	2.2	307
401430175	2012	2	10	9	V	2.1	0	3.06	318
401430175	2012	2	10	10	V	3.1	0	3.92	330
401430175	2012	2	10	11	V	3.1	0	3.34	335
401430175	2012	2	10	12	V	5.5	0	4.41	342
401430175	2012	2	10	13	V	6.3	0	4.46	344
401430175	2012	2	10	14	V	2.9	0	4.9	343
401430175	2012	2	10	15	V	1.9	0	5.19	333
401430175	2012	2	10	16	V	3.2	0	4.92	339
401430175	2012	2	10	17	V	3.4	0	4.66	340
401430175	2012	2	10	18	V	4.3	0	4.22	338
401430175	2012	2	10	19	V	2.9	0	3.78	334
401430175	2012	2	10	20	V	2.4	0	3.95	351
401430175	2012	2	10	21	V	2.6	0	5.22	357
401430175	2012	2	10	22	V	2.7	0	5.55	355
401430175	2012	2	10	23	V	3.8	0	6.41	5
401430175	2012	2	10	24	V	3.2	0	6.26	9
401430175	2012	2	11	1	V	2.4	0	6.48	16
401430175	2012	2	11	2	V	2.4	0	5.89	7
401430175	2012	2	11	3	V	1.9	0	5.84	3
401430175	2012	2	11	4	V	1.9	0	4.71	1
401430175	2012	2	11	5	V	2.1	0	5.65	10
401430175	2012	2	11	6	V	2.0	0	5.07	10
401430175	2012	2	11	7	V	1.6	0	4.77	356
401430175	2012	2	11	8	V	2.4	0	5.14	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	11	9	V	2.0	0	5.53	9
401430175	2012	2	11	10	V	3.0	0	5.28	5
401430175	2012	2	11	11	V	3.0	0	4.77	12
401430175	2012	2	11	12	V	5.5	0	5.24	12
401430175	2012	2	11	13	V	6.3	0	5.16	20
401430175	2012	2	11	14	V	3.0	0	5.6	16
401430175	2012	2	11	15	V	2.0	0	6.16	23
401430175	2012	2	11	16	V	3.2	0	6.53	28
401430175	2012	2	11	17	V	3.4	0	6.07	32
401430175	2012	2	11	18	V	4.3	0	4.9	26
401430175	2012	2	11	19	V	2.9	0	3.91	27
401430175	2012	2	11	20	V	2.4	0	2.91	24
401430175	2012	2	11	21	V	2.6	0	2.28	2
401430175	2012	2	11	22	V	3.3	0	0.97	325
401430175	2012	2	11	23	V	3.7	0	2.13	20
401430175	2012	2	11	24	V	3.2	0	2.1	22
401430175	2012	2	12	1	V	2.3	0	2.05	7
401430175	2012	2	12	2	V	2.4	0	1.69	2
401430175	2012	2	12	3	V	2.4	0	1.06	358
401430175	2012	2	12	4	V	1.9	0	1.96	21
401430175	2012	2	12	5	V	2.2	0	1.4	16
401430175	2012	2	12	6	V	2.7	0	1.99	38
401430175	2012	2	12	7	V	2.2	0	1.76	51
401430175	2012	2	12	8	V	2.5	0	1.71	54
401430175	2012	2	12	9	V	2.1	0	3.39	103
401430175	2012	2	12	10	V	3.1	0	3.95	124
401430175	2012	2	12	11	V	3.4	2	3.47	145
401430175	2012	2	12	12	V	6.7	2	3.71	155
401430175	2012	2	12	13	V	10.6	4	4.36	184
401430175	2012	2	12	14	V	11.1	2	3.54	175
401430175	2012	2	12	15	V	10.4	5	3.29	172
401430175	2012	2	12	16	V	11.8	3	3.78	169
401430175	2012	2	12	17	V	10.3	3	3.91	166
401430175	2012	2	12	18	V	10.0	5	2.96	166
401430175	2012	2	12	19	V	9.1	1	2.49	167
401430175	2012	2	12	20	V	4.5	0	2.16	161
401430175	2012	2	12	21	V	10.5	1	2.22	171
401430175	2012	2	12	22	V	3.3	2	2.2	193
401430175	2012	2	12	23	V	10.8	1	3.05	171
401430175	2012	2	12	24	V	8.9	7	6.62	179
401430175	2012	2	13	1	V	4.8	2	5.97	184
401430175	2012	2	13	2	V	7.0	14	5.09	178
401430175	2012	2	13	3	V	7.7	24	5.39	169
401430175	2012	2	13	4	V	7.5	43	5.43	168
401430175	2012	2	13	5	V	6.7	31	4.9	166
401430175	2012	2	13	6	V	6.9	36	5.36	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	13	7	V	7.0	40	5.05	168
401430175	2012	2	13	8	V	8.6	39	5.61	170
401430175	2012	2	13	9	V	9.3	32	6.12	170
401430175	2012	2	13	10	V	9.2	19	6.72	174
401430175	2012	2	13	11	V	11.1	14	6.77	173
401430175	2012	2	13	12	V	12.1	-999	6.31	177
401430175	2012	2	13	13	V	12.8	-999	5.27	178
401430175	2012	2	13	14	V	6.1	4	5.56	186
401430175	2012	2	13	15	V	4.7	4	6.11	186
401430175	2012	2	13	16	V	7.2	1	5.12	190
401430175	2012	2	13	17	V	7.8	5	4.41	192
401430175	2012	2	13	18	V	5.1	2	4.51	192
401430175	2012	2	13	19	V	3.9	3	3.49	192
401430175	2012	2	13	20	V	3.4	3	2.62	195
401430175	2012	2	13	21	V	3.8	7	2.49	187
401430175	2012	2	13	22	V	3.7	29	2.35	196
401430175	2012	2	13	23	V	7.6	16	2.28	210
401430175	2012	2	13	24	V	17.1	1	2.55	226
401430175	2012	2	14	1	V	15.1	0	2.59	218
401430175	2012	2	14	2	V	15.8	0	2.28	226
401430175	2012	2	14	3	V	2.0	0	1.33	266
401430175	2012	2	14	4	V	3.1	0	0.82	271
401430175	2012	2	14	5	V	4.6	0	0.67	331
401430175	2012	2	14	6	V	4.1	0	0.72	284
401430175	2012	2	14	7	V	4.1	3	1.4	190
401430175	2012	2	14	8	V	4.1	3	1.43	159
401430175	2012	2	14	9	V	4.5	0	1.86	154
401430175	2012	2	14	10	V	9.7	3	2.37	180
401430175	2012	2	14	11	V	9.0	0	2.27	166
401430175	2012	2	14	12	V	9.4	1	2.27	159
401430175	2012	2	14	13	V	12.6	3	2.89	184
401430175	2012	2	14	14	V	6.6	2	2.89	161
401430175	2012	2	14	15	V	6.1	1	2.9	160
401430175	2012	2	14	16	V	3.3	0	3.51	133
401430175	2012	2	14	17	V	3.5	0	3.69	140
401430175	2012	2	14	18	V	5.7	0	3.37	158
401430175	2012	2	14	19	V	8.5	0	2.42	168
401430175	2012	2	14	20	V	2.4	0	1.84	142
401430175	2012	2	14	21	V	2.8	0	2.88	156
401430175	2012	2	14	22	V	8.2	0	3.25	169
401430175	2012	2	14	23	V	9.6	5	2.79	172
401430175	2012	2	14	24	V	6.0	8	3.61	182
401430175	2012	2	15	1	V	4.5	14	4.97	184
401430175	2012	2	15	2	V	4.7	11	3.41	203
401430175	2012	2	15	3	V	3.6	6	3.07	158
401430175	2012	2	15	4	V	1.9	0	2.42	149

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	15	5	V	8.2	0	2.79	167
401430175	2012	2	15	6	V	9.2	0	2.55	169
401430175	2012	2	15	7	V	4.7	3	2.3	162
401430175	2012	2	15	8	V	3.0	1	1.5	157
401430175	2012	2	15	9	V	2.3	0	2.61	147
401430175	2012	2	15	10	V	3.1	0	3.17	126
401430175	2012	2	15	11	V	3.1	0	2.79	136
401430175	2012	2	15	12	V	5.8	0	3.13	145
401430175	2012	2	15	13	V	12.0	11	4.97	169
401430175	2012	2	15	14	V	4.5	0	3.42	154
401430175	2012	2	15	15	V	8.3	4	3.85	165
401430175	2012	2	15	16	V	9.1	3	3.2	164
401430175	2012	2	15	17	V	5.0	0	2.61	158
401430175	2012	2	15	18	V	4.3	0	2.08	126
401430175	2012	2	15	19	V	3.1	0	2.18	153
401430175	2012	2	15	20	V	2.6	0	1.25	131
401430175	2012	2	15	21	V	2.7	0	1.42	351
401430175	2012	2	15	22	V	3.0	0	1.21	295
401430175	2012	2	15	23	V	3.8	0	1.4	270
401430175	2012	2	15	24	V	3.2	0	3.17	337
401430175	2012	2	16	1	V	2.4	0	2.59	323
401430175	2012	2	16	2	V	2.4	0	2.84	317
401430175	2012	2	16	3	V	1.9	0	2.67	327
401430175	2012	2	16	4	V	1.9	0	2.66	337
401430175	2012	2	16	5	V	2.1	0	2.89	347
401430175	2012	2	16	6	V	2.0	0	2.32	342
401430175	2012	2	16	7	V	1.6	0	2.52	344
401430175	2012	2	16	8	V	2.4	0	3.61	354
401430175	2012	2	16	9	V	2.1	0	3.98	10
401430175	2012	2	16	10	V	3.1	0	3.81	11
401430175	2012	2	16	11	V	3.2	0	3.42	7
401430175	2012	2	16	12	V	5.7	0	3.23	11
401430175	2012	2	16	13	V	7.3	0	4.61	38
401430175	2012	2	16	14	V	3.1	0	4.65	28
401430175	2012	2	16	15	V	3.2	1	3.63	39
401430175	2012	2	16	16	V	4.3	1	3.34	37
401430175	2012	2	16	17	V	4.1	0	2.52	34
401430175	2012	2	16	18	V	4.3	1	2.13	21
401430175	2012	2	16	19	V	2.9	1	1.84	1
401430175	2012	2	16	20	V	2.5	0	1.62	6
401430175	2012	2	16	21	V	3.6	0	0.86	316
401430175	2012	2	16	22	V	4.9	0	0.69	313
401430175	2012	2	16	23	V	3.8	0	1.76	359
401430175	2012	2	16	24	V	5.1	0	1.42	40
401430175	2012	2	17	1	V	3.0	0	0.99	352
401430175	2012	2	17	2	V	2.8	0	1.09	326

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	17	3	V	3.7	0	0.75	359
401430175	2012	2	17	4	V	2.0	0	1.59	13
401430175	2012	2	17	5	V	2.4	0	1.2	13
401430175	2012	2	17	6	V	5.5	0	0.57	7
401430175	2012	2	17	7	V	27.0	0	0.52	237
401430175	2012	2	17	8	V	42.6	1	0.91	219
401430175	2012	2	17	9	V	12.7	1	0.79	237
401430175	2012	2	17	10	V	13.0	1	0.7	174
401430175	2012	2	17	11	V	9.4	2	1.06	157
401430175	2012	2	17	12	V	7.2	1	1.33	121
401430175	2012	2	17	13	V	6.9	1	1.4	102
401430175	2012	2	17	14	V	4.0	2	2.04	147
401430175	2012	2	17	15	V	8.0	3	2.06	174
401430175	2012	2	17	16	V	3.4	0	2.78	132
401430175	2012	2	17	17	V	3.4	0	2.35	114
401430175	2012	2	17	18	V	4.3	0	2.1	103
401430175	2012	2	17	19	V	2.9	0	2.28	107
401430175	2012	2	17	20	V	3.5	0	0.7	56
401430175	2012	2	17	21	V	4.0	0	0.8	8
401430175	2012	2	17	22	V	4.5	0	0.75	357
401430175	2012	2	17	23	C	-999	0	0	0
401430175	2012	2	17	24	C	-999	0	0	0
401430175	2012	2	18	1	V	2.5	0	1.43	13
401430175	2012	2	18	2	V	2.4	0	1.81	17
401430175	2012	2	18	3	V	1.9	0	2.2	23
401430175	2012	2	18	4	V	1.9	0	1.91	12
401430175	2012	2	18	5	V	2.1	0	2.28	11
401430175	2012	2	18	6	V	2.0	0	2.64	8
401430175	2012	2	18	7	V	1.6	0	3.18	14
401430175	2012	2	18	8	V	2.4	0	3.8	11
401430175	2012	2	18	9	V	2.1	0	4.78	17
401430175	2012	2	18	10	V	3.0	0	5.8	16
401430175	2012	2	18	11	V	2.9	0	6.46	21
401430175	2012	2	18	12	V	5.4	0	5.82	23
401430175	2012	2	18	13	V	6.2	0	5.46	18
401430175	2012	2	18	14	V	2.9	0	4.77	6
401430175	2012	2	18	15	V	1.9	0	4.75	11
401430175	2012	2	18	16	V	3.2	0	4.8	11
401430175	2012	2	18	17	V	3.4	0	4.73	12
401430175	2012	2	18	18	V	4.3	0	4.02	2
401430175	2012	2	18	19	V	2.9	0	4.46	13
401430175	2012	2	18	20	V	2.4	0	4.87	12
401430175	2012	2	18	21	V	2.6	0	4.7	18
401430175	2012	2	18	22	V	2.7	0	4.15	30
401430175	2012	2	18	23	V	3.7	0	2.25	8
401430175	2012	2	18	24	V	3.2	0	2.2	343

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	19	1	V	2.3	0	2.96	7
401430175	2012	2	19	2	V	2.4	0	2.64	32
401430175	2012	2	19	3	V	2.0	0	1.47	335
401430175	2012	2	19	4	V	2.3	0	1.09	324
401430175	2012	2	19	5	V	2.5	0	1.13	348
401430175	2012	2	19	6	V	5.0	0	0.63	300
401430175	2012	2	19	7	C	-999	0	0	0
401430175	2012	2	19	8	V	4.5	0	0.7	302
401430175	2012	2	19	9	V	2.4	0	2.76	28
401430175	2012	2	19	10	V	4.9	0	2.38	45
401430175	2012	2	19	11	V	8.6	1	1.18	158
401430175	2012	2	19	12	V	14.9	4	1.21	193
401430175	2012	2	19	13	V	7.4	3	1.81	104
401430175	2012	2	19	14	V	3.7	1	2.33	116
401430175	2012	2	19	15	V	6.0	1	2.81	163
401430175	2012	2	19	16	V	4.4	0	2.55	140
401430175	2012	2	19	17	V	3.7	2	3.1	139
401430175	2012	2	19	18	V	4.3	0	3.39	121
401430175	2012	2	19	19	V	2.9	0	2.13	127
401430175	2012	2	19	20	V	2.5	0	1.74	152
401430175	2012	2	19	21	V	5.3	0	1.74	162
401430175	2012	2	19	22	V	11.6	1	1.16	163
401430175	2012	2	19	23	V	16.8	0	0.67	162
401430175	2012	2	19	24	V	3.3	1	1.52	150
401430175	2012	2	20	1	V	16.2	4	1.52	172
401430175	2012	2	20	2	V	5.7	2	1.33	187
401430175	2012	2	20	3	V	4.0	3	2.35	180
401430175	2012	2	20	4	V	10.0	1	1.99	169
401430175	2012	2	20	5	V	6.2	0	3.01	166
401430175	2012	2	20	6	V	5.4	0	4.02	166
401430175	2012	2	20	7	V	1.9	0	2.9	157
401430175	2012	2	20	8	V	3.2	0	3.83	156
401430175	2012	2	20	9	V	4.9	1	5.97	161
401430175	2012	2	20	10	V	8.0	10	8.62	167
401430175	2012	2	20	11	V	8.4	22	9.9	174
401430175	2012	2	20	12	V	9.9	20	9.88	178
401430175	2012	2	20	13	V	12.2	25	8.61	177
401430175	2012	2	20	14	V	7.1	21	9.27	180
401430175	2012	2	20	15	V	5.2	12	8.74	182
401430175	2012	2	20	16	V	7.5	13	8.9	180
401430175	2012	2	20	17	V	10.0	13	7.47	177
401430175	2012	2	20	18	V	7.1	19	6.69	191
401430175	2012	2	20	19	V	3.6	4	5.12	197
401430175	2012	2	20	20	V	3.1	12	6.07	248
401430175	2012	2	20	21	V	2.7	0	6.13	257
401430175	2012	2	20	22	V	2.7	0	4.78	255

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	20	23	V	3.7	0	5	260
401430175	2012	2	20	24	V	3.3	0	4.8	253
401430175	2012	2	21	1	V	2.3	0	4.03	254
401430175	2012	2	21	2	V	2.4	0	3.05	252
401430175	2012	2	21	3	V	1.9	0	3.03	256
401430175	2012	2	21	4	V	1.9	0	2.16	246
401430175	2012	2	21	5	V	2.1	0	2.16	255
401430175	2012	2	21	6	V	2.0	0	2.08	254
401430175	2012	2	21	7	V	19.5	0	0.8	178
401430175	2012	2	21	8	V	27.3	0	0.87	207
401430175	2012	2	21	9	V	16.4	0	1.86	231
401430175	2012	2	21	10	V	7.8	0	1.84	248
401430175	2012	2	21	11	V	22.8	2	3.29	218
401430175	2012	2	21	12	V	15.1	3	4.39	197
401430175	2012	2	21	13	V	11.7	3	5.22	181
401430175	2012	2	21	14	V	12.5	-999	4.82	197
401430175	2012	2	21	15	V	14.9	32	5.46	203
401430175	2012	2	21	16	V	9.1	25	5.24	181
401430175	2012	2	21	17	V	9.6	25	4.36	188
401430175	2012	2	21	18	V	11.7	3	2.78	173
401430175	2012	2	21	19	V	3.2	0	1.06	125
401430175	2012	2	21	20	V	33.1	0	0.62	204
401430175	2012	2	21	21	V	5.0	1	1.94	200
401430175	2012	2	21	22	V	4.8	3	1.26	241
401430175	2012	2	21	23	V	8.6	8	0.75	248
401430175	2012	2	21	24	V	7.0	2	0.55	344
401430175	2012	2	22	1	V	6.2	1	0.55	284
401430175	2012	2	22	2	V	6.5	1	0.58	259
401430175	2012	2	22	3	V	4.7	1	0.67	261
401430175	2012	2	22	4	C	-999	0	0	0
401430175	2012	2	22	5	V	6.9	1	0.62	254
401430175	2012	2	22	6	V	6.4	1	0.52	271
401430175	2012	2	22	7	V	3.9	2	0.7	330
401430175	2012	2	22	8	C	-999	3	0	0
401430175	2012	2	22	9	V	14.5	2	0.63	201
401430175	2012	2	22	10	V	24.5	5	1.35	216
401430175	2012	2	22	11	V	20.6	2	1.88	229
401430175	2012	2	22	12	V	6.8	1	2.08	258
401430175	2012	2	22	13	V	7.1	0	2.32	265
401430175	2012	2	22	14	V	3.2	0	3.4	273
401430175	2012	2	22	15	V	2.6	0	2.91	261
401430175	2012	2	22	16	V	4.0	0	2.72	261
401430175	2012	2	22	17	V	3.7	0	2.91	268
401430175	2012	2	22	18	V	4.3	0	1.86	257
401430175	2012	2	22	19	V	38.5	1	0.72	228
401430175	2012	2	22	20	V	22.2	2	1.21	212

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	22	21	V	3.1	9	2.91	199
401430175	2012	2	22	22	V	3.3	14	2.15	193
401430175	2012	2	22	23	V	4.1	3	2.47	193
401430175	2012	2	22	24	V	4.5	1	1.7	185
401430175	2012	2	23	1	V	6.0	6	1.93	164
401430175	2012	2	23	2	V	2.4	1	2.08	131
401430175	2012	2	23	3	V	1.9	1	1.84	142
401430175	2012	2	23	4	V	2.0	10	2.76	157
401430175	2012	2	23	5	V	13.0	2	1.7	174
401430175	2012	2	23	6	V	12.3	3	1.2	180
401430175	2012	2	23	7	V	15.2	4	1.28	233
401430175	2012	2	23	8	V	4.7	2	0.67	118
401430175	2012	2	23	9	V	13.6	1	1.33	239
401430175	2012	2	23	10	V	3.5	1	2.52	272
401430175	2012	2	23	11	V	3.1	1	3.42	285
401430175	2012	2	23	12	V	5.5	1	4.78	288
401430175	2012	2	23	13	V	6.3	1	5.34	303
401430175	2012	2	23	14	V	3.0	0	5.84	307
401430175	2012	2	23	15	V	2.0	0	6.24	332
401430175	2012	2	23	16	V	3.2	0	6.18	325
401430175	2012	2	23	17	V	3.4	0	6.28	331
401430175	2012	2	23	18	V	4.4	0	6.14	334
401430175	2012	2	23	19	V	2.9	0	5.56	331
401430175	2012	2	23	20	V	2.4	0	5.17	335
401430175	2012	2	23	21	V	2.7	0	6.06	340
401430175	2012	2	23	22	V	2.7	0	6.04	340
401430175	2012	2	23	23	V	3.7	0	5.9	341
401430175	2012	2	23	24	V	3.2	0	6.09	340
401430175	2012	2	24	1	V	2.3	0	3.93	333
401430175	2012	2	24	2	V	2.4	0	3.92	330
401430175	2012	2	24	3	V	1.9	0	2.91	319
401430175	2012	2	24	4	V	1.9	0	3.59	322
401430175	2012	2	24	5	V	2.1	0	5	335
401430175	2012	2	24	6	V	2.0	0	4.24	328
401430175	2012	2	24	7	V	1.6	0	3.12	319
401430175	2012	2	24	8	V	2.4	0	2.66	325
401430175	2012	2	24	9	V	2.2	0	3.54	325
401430175	2012	2	24	10	V	3.1	0	3.85	314
401430175	2012	2	24	11	V	3.1	0	4.15	308
401430175	2012	2	24	12	V	5.5	0	4.75	319
401430175	2012	2	24	13	V	6.4	0	4.7	323
401430175	2012	2	24	14	V	3.1	0	5.02	322
401430175	2012	2	24	15	V	2.1	0	4.09	318
401430175	2012	2	24	16	V	3.5	0	3.64	310
401430175	2012	2	24	17	V	3.6	0	3.25	305
401430175	2012	2	24	18	V	4.3	0	3.37	284

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	24	19	V	3.0	0	1.65	281
401430175	2012	2	24	20	V	5.1	0	1.13	242
401430175	2012	2	24	21	V	41.2	0	0.52	229
401430175	2012	2	24	22	V	42.5	0	0.62	228
401430175	2012	2	24	23	V	28.2	0	0.96	232
401430175	2012	2	24	24	V	4.2	0	0.86	262
401430175	2012	2	25	1	V	2.4	0	1.64	253
401430175	2012	2	25	2	V	2.4	0	1.6	261
401430175	2012	2	25	3	V	20.0	0	0.96	176
401430175	2012	2	25	4	V	16.3	0	0.79	192
401430175	2012	2	25	5	V	5.5	0	0.6	268
401430175	2012	2	25	6	V	3.2	0	0.82	264
401430175	2012	2	25	7	V	2.2	0	0.99	268
401430175	2012	2	25	8	V	40.4	0	0.63	229
401430175	2012	2	25	9	V	6.9	0	0.67	106
401430175	2012	2	25	10	V	4.4	0	1.55	128
401430175	2012	2	25	11	V	3.4	2	2.71	137
401430175	2012	2	25	12	V	5.9	2	3.32	136
401430175	2012	2	25	13	V	9.8	1	4.14	160
401430175	2012	2	25	14	V	8.8	7	5.43	173
401430175	2012	2	25	15	V	11.3	7	6.02	196
401430175	2012	2	25	16	V	9.7	17	7.32	192
401430175	2012	2	25	17	V	8.6	11	7.74	191
401430175	2012	2	25	18	V	7.1	8	6.72	186
401430175	2012	2	25	19	V	9.1	28	6.24	176
401430175	2012	2	25	20	V	9.0	39	5.99	173
401430175	2012	2	25	21	V	8.5	47	5.58	169
401430175	2012	2	25	22	V	8.7	35	5.41	172
401430175	2012	2	25	23	V	9.2	6	5.61	176
401430175	2012	2	25	24	V	7.3	10	7.4	182
401430175	2012	2	26	1	V	3.1	5	5.26	189
401430175	2012	2	26	2	V	5.3	3	5.94	182
401430175	2012	2	26	3	V	4.2	2	6.4	184
401430175	2012	2	26	4	V	4.3	1	6.58	184
401430175	2012	2	26	5	V	4.9	2	6.48	183
401430175	2012	2	26	6	V	3.4	3	5.02	185
401430175	2012	2	26	7	V	3.1	1	5.84	186
401430175	2012	2	26	8	V	3.1	17	4.83	190
401430175	2012	2	26	9	V	5.5	11	6.4	186
401430175	2012	2	26	10	V	10.0	3	6.7	194
401430175	2012	2	26	11	V	9.1	12	7.08	193
401430175	2012	2	26	12	V	9.9	9	6.99	189
401430175	2012	2	26	13	V	10.3	11	6.99	185
401430175	2012	2	26	14	V	7.3	8	7.15	188
401430175	2012	2	26	15	V	5.9	6	7.4	184
401430175	2012	2	26	16	V	7.5	16	6.35	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	26	17	V	9.6	10	5.97	192
401430175	2012	2	26	18	V	6.4	4	5.14	202
401430175	2012	2	26	19	V	3.9	22	2.54	205
401430175	2012	2	26	20	V	14.5	13	1.2	207
401430175	2012	2	26	21	V	34.8	3	1.11	217
401430175	2012	2	26	22	V	41.1	5	1.09	221
401430175	2012	2	26	23	V	3.9	0	1.38	276
401430175	2012	2	26	24	C	-999	0	0	0
401430175	2012	2	27	1	V	4.9	0	0.67	287
401430175	2012	2	27	2	V	2.4	0	3.12	5
401430175	2012	2	27	3	V	1.9	0	4.02	8
401430175	2012	2	27	4	V	1.9	0	3.9	9
401430175	2012	2	27	5	V	2.1	0	3.86	14
401430175	2012	2	27	6	V	2.0	0	3.9	20
401430175	2012	2	27	7	V	1.6	0	3.95	21
401430175	2012	2	27	8	V	2.4	0	3.51	15
401430175	2012	2	27	9	V	2.1	0	5.05	23
401430175	2012	2	27	10	V	3.3	1	6.35	36
401430175	2012	2	27	11	V	4.0	0	7.04	42
401430175	2012	2	27	12	V	6.3	0	6.04	48
401430175	2012	2	27	13	V	7.1	0	6.07	43
401430175	2012	2	27	14	V	3.1	0	5.12	63
401430175	2012	2	27	15	V	2.2	0	4.49	59
401430175	2012	2	27	16	V	3.6	0	3.44	66
401430175	2012	2	27	17	V	3.7	0	3.76	57
401430175	2012	2	27	18	V	5.9	0	4.31	46
401430175	2012	2	27	19	V	4.8	0	3.61	44
401430175	2012	2	27	20	V	2.5	0	2.89	52
401430175	2012	2	27	21	V	2.7	0	3.71	36
401430175	2012	2	27	22	V	2.7	0	2.49	21
401430175	2012	2	27	23	V	3.7	0	1.94	10
401430175	2012	2	27	24	V	5.2	0	2.49	42
401430175	2012	2	28	1	V	2.3	0	1.84	79
401430175	2012	2	28	2	V	4.1	0	0.8	142
401430175	2012	2	28	3	V	18.6	0	0.55	242
401430175	2012	2	28	4	C	-999	0	0	0
401430175	2012	2	28	5	V	24.6	0	1.01	208
401430175	2012	2	28	6	V	2.1	0	1.43	150
401430175	2012	2	28	7	V	1.6	0	2.88	132
401430175	2012	2	28	8	V	2.4	0	4.24	130
401430175	2012	2	28	9	V	2.2	0	3.03	142
401430175	2012	2	28	10	V	3.1	0	4.6	139
401430175	2012	2	28	11	V	3.5	0	5.17	152
401430175	2012	2	28	12	V	9.8	10	5.56	163
401430175	2012	2	28	13	V	7.4	9	6.48	157
401430175	2012	2	28	14	V	9.5	18	7.35	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	2	28	15	V	8.4	6	6.53	167
401430175	2012	2	28	16	V	10.2	4	6.69	168
401430175	2012	2	28	17	V	10.1	8	6.79	167
401430175	2012	2	28	18	V	10.7	11	4.99	170
401430175	2012	2	28	19	V	9.6	15	5.36	171
401430175	2012	2	28	20	V	9.3	41	7.06	179
401430175	2012	2	28	21	V	7.8	27	8.1	182
401430175	2012	2	28	22	V	7.4	10	8.67	186
401430175	2012	2	28	23	V	16.5	6	9.85	196
401430175	2012	2	28	24	V	5.2	1	6.38	245
401430175	2012	2	29	1	V	2.5	0	3.63	250
401430175	2012	2	29	2	V	3.0	0	3.68	243
401430175	2012	2	29	3	V	2.6	0	3.08	241
401430175	2012	2	29	4	V	3.1	0	2.86	239
401430175	2012	2	29	5	V	2.4	0	2.47	239
401430175	2012	2	29	6	V	2.0	1	1.99	246
401430175	2012	2	29	7	V	4.5	0	0.92	246
401430175	2012	2	29	8	V	46.8	0	0.63	215
401430175	2012	2	29	9	V	2.3	0	2.62	287
401430175	2012	2	29	10	V	3.4	0	2.67	319
401430175	2012	2	29	11	V	3.1	-999	3.73	328
401430175	2012	2	29	12	V	5.6	0	4.03	319
401430175	2012	2	29	13	V	6.6	0	3.42	294
401430175	2012	2	29	14	V	3.2	0	3.66	288
401430175	2012	2	29	15	V	2.5	0	2.93	292
401430175	2012	2	29	16	V	3.8	0	2.76	299
401430175	2012	2	29	17	V	3.7	1	2.93	299
401430175	2012	2	29	18	V	4.4	0	2.28	318
401430175	2012	2	29	19	V	3.4	0	0.92	312
401430175	2012	2	29	20	V	5.1	1	0.65	314
401430175	2012	2	29	21	V	45.3	0	0.6	226
401430175	2012	2	29	22	V	4.9	0	0.7	262
401430175	2012	2	29	23	V	5.3	0	1.76	193
401430175	2012	2	29	24	C	-999	1	0	0
401430175	2012	3	1	1	V	25.1	1	0.74	233
401430175	2012	3	1	2	V	28.9	1	0.72	207
401430175	2012	3	1	3	V	4.0	0	0.57	266
401430175	2012	3	1	4	V	19.9	0	0.84	234
401430175	2012	3	1	5	V	12.3	0	1.2	205
401430175	2012	3	1	6	V	5.0	0	1.59	211
401430175	2012	3	1	7	V	3.5	0	3.51	181
401430175	2012	3	1	8	V	6.5	2	3.66	181
401430175	2012	3	1	9	V	5.4	1	4.31	164
401430175	2012	3	1	10	V	5.9	6	6.06	183
401430175	2012	3	1	11	V	8.3	7	7.74	198
401430175	2012	3	1	12	V	5.3	8	8.64	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	1	13	V	8.5	6	8.08	196
401430175	2012	3	1	14	V	6.5	9	8.06	192
401430175	2012	3	1	15	V	8.1	19	7.48	196
401430175	2012	3	1	16	V	17.6	18	6.38	223
401430175	2012	3	1	17	V	18.5	43	5.05	227
401430175	2012	3	1	18	V	34.9	31	6.02	218
401430175	2012	3	1	19	V	1.6	34	2.42	199
401430175	2012	3	1	20	V	3.4	2	0.6	80
401430175	2012	3	1	21	V	11.1	5	0.99	177
401430175	2012	3	1	22	V	2.1	6	3.81	188
401430175	2012	3	1	23	V	3.3	12	4.97	183
401430175	2012	3	1	24	V	6.2	26	4.9	176
401430175	2012	3	2	1	V	2.9	14	5.85	187
401430175	2012	3	2	2	V	3.1	5	5.77	202
401430175	2012	3	2	3	V	5.0	1	1.76	233
401430175	2012	3	2	4	V	0.7	1	1.25	267
401430175	2012	3	2	5	V	1.4	0	3.29	283
401430175	2012	3	2	6	V	0.5	0	3.29	322
401430175	2012	3	2	7	V	1.1	0	2.69	302
401430175	2012	3	2	8	V	4.0	0	4.26	302
401430175	2012	3	2	9	V	1.3	0	5.1	317
401430175	2012	3	2	10	V	2.5	0	5.07	319
401430175	2012	3	2	11	V	2.0	0	5.04	325
401430175	2012	3	2	12	V	2.3	0	5.05	326
401430175	2012	3	2	13	V	2.4	0	5.97	337
401430175	2012	3	2	14	V	2.5	0	5.09	336
401430175	2012	3	2	15	V	1.8	0	4.97	353
401430175	2012	3	2	16	V	2.1	0	5.28	12
401430175	2012	3	2	17	V	3.7	0	5.63	21
401430175	2012	3	2	18	V	3.8	0	5.14	32
401430175	2012	3	2	19	V	3.3	0	4.54	42
401430175	2012	3	2	20	V	2.9	0	3	36
401430175	2012	3	2	21	V	2.9	0	1.21	26
401430175	2012	3	2	22	V	2.3	0	0.82	305
401430175	2012	3	2	23	V	2.1	0	0.82	270
401430175	2012	3	2	24	V	38.9	0	0.67	222
401430175	2012	3	3	1	V	2.7	0	0.77	257
401430175	2012	3	3	2	V	1.4	0	1.03	272
401430175	2012	3	3	3	V	0.8	0	1.08	305
401430175	2012	3	3	4	V	0.7	0	1.37	249
401430175	2012	3	3	5	V	3.7	0	0.65	310
401430175	2012	3	3	6	V	0.9	0	1.08	269
401430175	2012	3	3	7	V	1.4	0	1.11	315
401430175	2012	3	3	8	V	4.0	0	1.4	310
401430175	2012	3	3	9	V	1.5	0	3.3	5
401430175	2012	3	3	10	V	2.6	0	3.35	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	3	11	V	2.1	0	3.08	351
401430175	2012	3	3	12	V	2.5	0	2.98	330
401430175	2012	3	3	13	V	2.5	0	4.19	306
401430175	2012	3	3	14	V	2.5	0	5.1	297
401430175	2012	3	3	15	V	1.9	0	5.09	304
401430175	2012	3	3	16	V	2.2	0	4.88	295
401430175	2012	3	3	17	V	3.8	0	4.41	294
401430175	2012	3	3	18	V	3.7	0	3.9	291
401430175	2012	3	3	19	V	1.5	0	2.86	310
401430175	2012	3	3	20	V	2.9	0	1.94	302
401430175	2012	3	3	21	V	3.7	0	0.7	293
401430175	2012	3	3	22	V	1.6	0	1.21	320
401430175	2012	3	3	23	V	1.8	0	0.89	260
401430175	2012	3	3	24	C	-999	0	0	0
401430175	2012	3	4	1	C	-999	0	0	0
401430175	2012	3	4	2	V	11.4	0	0.92	196
401430175	2012	3	4	3	V	15.2	0	0.74	181
401430175	2012	3	4	4	V	29.8	0	1.14	220
401430175	2012	3	4	5	V	17.4	0	1.08	207
401430175	2012	3	4	6	V	4.1	0	1.37	237
401430175	2012	3	4	7	V	14.5	0	0.74	193
401430175	2012	3	4	8	V	15.2	1	1.77	216
401430175	2012	3	4	9	V	5.0	0	1.98	242
401430175	2012	3	4	10	V	5.6	0	4.1	241
401430175	2012	3	4	11	V	2.1	0	5.39	253
401430175	2012	3	4	12	V	2.3	0	4.99	264
401430175	2012	3	4	13	V	2.5	0	5	279
401430175	2012	3	4	14	V	2.5	0	5.16	295
401430175	2012	3	4	15	V	1.8	0	5.67	301
401430175	2012	3	4	16	V	2.1	0	5.34	296
401430175	2012	3	4	17	V	3.7	0	4.92	297
401430175	2012	3	4	18	V	3.8	0	3.47	297
401430175	2012	3	4	19	V	1.5	0	2.35	286
401430175	2012	3	4	20	V	2.9	0	1.77	259
401430175	2012	3	4	21	V	2.9	0	1.21	263
401430175	2012	3	4	22	V	5.3	0	0.52	341
401430175	2012	3	4	23	V	1.1	0	2.2	345
401430175	2012	3	4	24	V	1.5	0	3.27	11
401430175	2012	3	5	1	V	1.3	0	3.93	11
401430175	2012	3	5	2	V	0.9	0	4.8	23
401430175	2012	3	5	3	V	0.5	0	4.27	35
401430175	2012	3	5	4	V	0.6	0	1.91	29
401430175	2012	3	5	5	V	1.6	0	1.38	33
401430175	2012	3	5	6	V	0.6	0	1.57	29
401430175	2012	3	5	7	V	1.9	0	1.28	51
401430175	2012	3	5	8	V	6.1	0	2.33	47

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	5	9	V	1.5	0	3.05	96
401430175	2012	3	5	10	V	2.6	0	4	128
401430175	2012	3	5	11	V	2.3	4	3.95	149
401430175	2012	3	5	12	V	2.3	3	4.26	135
401430175	2012	3	5	13	V	4.7	2	4.41	158
401430175	2012	3	5	14	V	8.6	1	5.58	168
401430175	2012	3	5	15	V	7.9	14	5.48	170
401430175	2012	3	5	16	V	5.1	12	6.64	185
401430175	2012	3	5	17	V	6.4	8	6.8	188
401430175	2012	3	5	18	V	9.8	2	6.45	195
401430175	2012	3	5	19	V	2.8	0	4.7	186
401430175	2012	3	5	20	V	6.2	7	4.02	178
401430175	2012	3	5	21	V	4.5	11	4.17	183
401430175	2012	3	5	22	V	4.5	5	4.66	180
401430175	2012	3	5	23	V	2.9	1	5.33	185
401430175	2012	3	5	24	V	4.7	12	4.88	180
401430175	2012	3	6	1	V	5.5	32	5.05	178
401430175	2012	3	6	2	V	0.9	14	3.27	142
401430175	2012	3	6	3	V	3.7	8	6.23	182
401430175	2012	3	6	4	V	2.8	1	6.64	187
401430175	2012	3	6	5	V	3.3	4	5.67	185
401430175	2012	3	6	6	V	5.1	8	6.11	179
401430175	2012	3	6	7	V	4.6	8	6.89	183
401430175	2012	3	6	8	V	10.8	5	6.91	178
401430175	2012	3	6	9	V	6.2	1	7.45	176
401430175	2012	3	6	10	V	5.5	11	9.12	182
401430175	2012	3	6	11	V	4.2	10	9.7	185
401430175	2012	3	6	12	V	4.7	3	10.82	189
401430175	2012	3	6	13	V	4.5	4	12.09	184
401430175	2012	3	6	14	V	6.1	6	11.89	193
401430175	2012	3	6	15	V	4.6	4	11.74	191
401430175	2012	3	6	16	V	8.0	6	11.33	197
401430175	2012	3	6	17	V	5.8	4	10.19	184
401430175	2012	3	6	18	V	7.4	19	9.76	180
401430175	2012	3	6	19	V	8.7	18	9.39	179
401430175	2012	3	6	20	V	11.9	33	7.98	173
401430175	2012	3	6	21	V	10.2	30	8.16	178
401430175	2012	3	6	22	V	9.0	18	6.91	174
401430175	2012	3	6	23	V	7.4	12	6.09	173
401430175	2012	3	6	24	V	7.5	4	7.03	179
401430175	2012	3	7	1	V	7.3	2	8.13	181
401430175	2012	3	7	2	V	6.5	5	8.67	182
401430175	2012	3	7	3	V	5.8	7	8.95	183
401430175	2012	3	7	4	V	6.9	9	7.81	180
401430175	2012	3	7	5	V	10.3	25	7.6	171
401430175	2012	3	7	6	V	8.7	27	7.2	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	7	7	V	9.9	27	7.37	171
401430175	2012	3	7	8	V	12.9	25	7.35	173
401430175	2012	3	7	9	M	-999	28	8.3	171
401430175	2012	3	7	10	M	-999	24	8.2	175
401430175	2012	3	7	11	M	-999	17	8.57	177
401430175	2012	3	7	12	M	-999	8	8.25	183
401430175	2012	3	7	13	M	-999	5	7.77	183
401430175	2012	3	7	14	M	-999	8	7.89	182
401430175	2012	3	7	15	M	-999	4	8.39	185
401430175	2012	3	7	16	M	-999	7	7.96	184
401430175	2012	3	7	17	M	-999	11	8.54	181
401430175	2012	3	7	18	M	-999	5	7.65	185
401430175	2012	3	7	19	V	5.3	2	6.74	184
401430175	2012	3	7	20	V	6.6	3	6.99	186
401430175	2012	3	7	21	V	6.7	1	5.29	180
401430175	2012	3	7	22	V	6.6	15	4.48	169
401430175	2012	3	7	23	V	5.0	18	4.25	165
401430175	2012	3	7	24	V	4.3	5	3.18	161
401430175	2012	3	8	1	V	1.7	0	2.81	152
401430175	2012	3	8	2	V	1.2	2	0.89	98
401430175	2012	3	8	3	V	1.8	4	0.7	360
401430175	2012	3	8	4	V	0.6	2	2.57	356
401430175	2012	3	8	5	V	1.5	0	6.75	2
401430175	2012	3	8	6	V	0.7	0	7.65	6
401430175	2012	3	8	7	V	1.2	0	7.57	3
401430175	2012	3	8	8	V	4.1	0	8.28	10
401430175	2012	3	8	9	V	1.3	0	7.77	12
401430175	2012	3	8	10	V	2.5	0	7.76	15
401430175	2012	3	8	11	V	1.9	0	8.45	16
401430175	2012	3	8	12	V	2.3	0	6.55	17
401430175	2012	3	8	13	V	2.4	0	6.35	15
401430175	2012	3	8	14	V	2.4	0	6.23	22
401430175	2012	3	8	15	V	1.8	0	6.26	22
401430175	2012	3	8	16	V	2.1	0	6.07	22
401430175	2012	3	8	17	V	3.7	0	5.55	24
401430175	2012	3	8	18	V	3.7	0	4.49	9
401430175	2012	3	8	19	V	1.5	0	4.94	9
401430175	2012	3	8	20	V	2.9	0	3.57	10
401430175	2012	3	8	21	V	2.7	0	2.66	5
401430175	2012	3	8	22	V	1.4	0	3	11
401430175	2012	3	8	23	V	1.1	0	2.67	3
401430175	2012	3	8	24	V	1.5	0	2.62	353
401430175	2012	3	9	1	V	1.3	0	2.84	7
401430175	2012	3	9	2	V	0.9	0	3.9	14
401430175	2012	3	9	3	V	0.5	0	4.15	14
401430175	2012	3	9	4	V	0.5	0	3.76	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	9	5	V	1.5	0	1.52	5
401430175	2012	3	9	6	V	0.5	0	1.76	7
401430175	2012	3	9	7	V	1.4	0	1.13	344
401430175	2012	3	9	8	V	4.0	0	1.82	354
401430175	2012	3	9	9	V	1.5	0	3.08	19
401430175	2012	3	9	10	V	2.7	0	3.27	21
401430175	2012	3	9	11	V	4.0	0	4.68	42
401430175	2012	3	9	12	V	4.2	1	5.04	45
401430175	2012	3	9	13	V	3.3	0	4.53	51
401430175	2012	3	9	14	V	2.5	0	5.84	58
401430175	2012	3	9	15	V	1.9	0	5.29	56
401430175	2012	3	9	16	V	3.4	0	5.1	44
401430175	2012	3	9	17	V	4.7	0	4.71	48
401430175	2012	3	9	18	V	3.7	0	4.07	57
401430175	2012	3	9	19	V	3.0	0	2.61	48
401430175	2012	3	9	20	V	3.1	0	1.25	12
401430175	2012	3	9	21	V	3.0	0	1.21	10
401430175	2012	3	9	22	V	2.4	0	0.82	259
401430175	2012	3	9	23	V	4.4	0	0.57	273
401430175	2012	3	9	24	V	3.0	0	0.75	343
401430175	2012	3	10	1	V	2.7	0	0.74	301
401430175	2012	3	10	2	V	2.4	0	0.74	260
401430175	2012	3	10	3	C	-999	0	0	0
401430175	2012	3	10	4	C	-999	0	0	0
401430175	2012	3	10	5	C	-999	0	0	0
401430175	2012	3	10	6	C	-999	0	0	0
401430175	2012	3	10	7	C	-999	0	0	0
401430175	2012	3	10	8	C	-999	1	0	0
401430175	2012	3	10	9	V	7.2	1	0.96	163
401430175	2012	3	10	10	V	2.8	0	3.35	145
401430175	2012	3	10	11	V	2.1	0	4.44	140
401430175	2012	3	10	12	V	2.4	2	4.61	134
401430175	2012	3	10	13	V	2.5	3	4.39	132
401430175	2012	3	10	14	V	2.5	0	4.1	127
401430175	2012	3	10	15	V	1.9	0	4.07	129
401430175	2012	3	10	16	V	2.1	0	4.46	134
401430175	2012	3	10	17	V	3.7	0	4.73	127
401430175	2012	3	10	18	V	3.9	0	3.42	146
401430175	2012	3	10	19	V	1.5	0	2.83	134
401430175	2012	3	10	20	V	2.9	0	2.3	132
401430175	2012	3	10	21	V	2.7	0	2.84	136
401430175	2012	3	10	22	V	2.5	0	4.34	156
401430175	2012	3	10	23	V	5.3	1	4.97	165
401430175	2012	3	10	24	V	1.6	0	4.32	149
401430175	2012	3	11	1	V	1.4	0	3.95	148
401430175	2012	3	11	2	V	5.3	0	4.22	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	11	3	V	0.5	0	3.47	142
401430175	2012	3	11	4	V	3.2	0	2.79	183
401430175	2012	3	11	5	V	14.5	2	1.11	212
401430175	2012	3	11	6	V	0.5	0	2.73	123
401430175	2012	3	11	7	V	1.1	0	3.64	121
401430175	2012	3	11	8	V	4.0	0	3.95	122
401430175	2012	3	11	9	V	1.4	0	4.17	137
401430175	2012	3	11	10	V	2.8	0	2.98	145
401430175	2012	3	11	11	V	2.9	0	2.83	150
401430175	2012	3	11	12	V	2.3	0	3.32	144
401430175	2012	3	11	13	V	9.4	2	3.81	177
401430175	2012	3	11	14	V	10.6	7	3.83	172
401430175	2012	3	11	15	V	8.3	4	4.02	195
401430175	2012	3	11	16	V	17.5	13	3.52	211
401430175	2012	3	11	17	V	6.8	3	3.57	184
401430175	2012	3	11	18	V	8.1	8	4.46	179
401430175	2012	3	11	19	V	6.1	5	2.98	176
401430175	2012	3	11	20	V	5.0	3	2.3	163
401430175	2012	3	11	21	V	8.1	11	3.03	170
401430175	2012	3	11	22	V	5.2	15	3.97	168
401430175	2012	3	11	23	V	5.7	22	4.43	172
401430175	2012	3	11	24	V	5.5	23	3.63	167
401430175	2012	3	12	1	V	4.4	26	3.27	164
401430175	2012	3	12	2	V	0.9	20	2.38	152
401430175	2012	3	12	3	V	2.0	5	2.98	161
401430175	2012	3	12	4	V	5.2	18	3.63	169
401430175	2012	3	12	5	V	5.6	4	3.8	174
401430175	2012	3	12	6	V	4.7	7	3.86	171
401430175	2012	3	12	7	V	5.0	13	3.88	169
401430175	2012	3	12	8	V	7.4	12	5.07	182
401430175	2012	3	12	9	V	4.8	8	5.87	189
401430175	2012	3	12	10	V	7.4	13	6.28	194
401430175	2012	3	12	11	V	7.2	11	5.77	193
401430175	2012	3	12	12	V	6.1	9	5.26	186
401430175	2012	3	12	13	V	6.3	20	5.43	184
401430175	2012	3	12	14	V	7.6	24	4.82	179
401430175	2012	3	12	15	V	5.9	22	4.85	185
401430175	2012	3	12	16	V	6.6	20	4.83	190
401430175	2012	3	12	17	V	8.2	14	4.34	190
401430175	2012	3	12	18	V	6.1	6	3.9	186
401430175	2012	3	12	19	V	2.2	6	2.04	195
401430175	2012	3	12	20	V	11.2	1	1.06	199
401430175	2012	3	12	21	V	4.3	1	2.01	201
401430175	2012	3	12	22	V	2.0	5	2.42	198
401430175	2012	3	12	23	V	10.7	5	1.3	210
401430175	2012	3	12	24	V	21.8	6	0.79	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	13	1	C	-999	4	0	0
401430175	2012	3	13	2	C	-999	6	0	0
401430175	2012	3	13	3	C	-999	13	0	0
401430175	2012	3	13	4	V	14.0	1	0.77	196
401430175	2012	3	13	5	V	33.8	0	0.67	209
401430175	2012	3	13	6	V	5.9	0	0.82	156
401430175	2012	3	13	7	V	9.3	0	1.13	163
401430175	2012	3	13	8	V	11.2	5	2.45	167
401430175	2012	3	13	9	V	6.8	10	3.1	172
401430175	2012	3	13	10	V	6.0	12	5.5	185
401430175	2012	3	13	11	V	5.7	9	5.43	184
401430175	2012	3	13	12	V	5.8	15	5.99	185
401430175	2012	3	13	13	V	6.4	11	6.72	191
401430175	2012	3	13	14	V	5.9	-999	6.52	189
401430175	2012	3	13	15	V	4.9	-999	6.67	187
401430175	2012	3	13	16	V	5.6	9	7.23	190
401430175	2012	3	13	17	V	6.9	4	6.45	189
401430175	2012	3	13	18	V	11.2	9	6.47	174
401430175	2012	3	13	19	V	7.7	19	5.8	171
401430175	2012	3	13	20	V	8.7	12	5.41	173
401430175	2012	3	13	21	V	6.7	10	3.85	174
401430175	2012	3	13	22	V	4.6	12	3.35	164
401430175	2012	3	13	23	V	3.4	7	3.2	162
401430175	2012	3	13	24	V	5.5	8	3.07	164
401430175	2012	3	14	1	V	3.5	9	2.67	164
401430175	2012	3	14	2	V	2.6	9	2.66	163
401430175	2012	3	14	3	V	1.0	2	1.74	158
401430175	2012	3	14	4	V	16.9	2	0.58	188
401430175	2012	3	14	5	V	8.8	2	1.16	163
401430175	2012	3	14	6	V	1.6	5	4.19	189
401430175	2012	3	14	7	V	2.1	4	4.17	189
401430175	2012	3	14	8	V	5.7	2	5.24	192
401430175	2012	3	14	9	V	4.6	3	5.51	188
401430175	2012	3	14	10	V	7.1	4	6.55	193
401430175	2012	3	14	11	V	9.2	8	6.86	197
401430175	2012	3	14	12	V	8.7	9	7.49	196
401430175	2012	3	14	13	V	7.0	2	7.21	193
401430175	2012	3	14	14	V	7.0	2	7.26	193
401430175	2012	3	14	15	V	4.8	2	7.11	190
401430175	2012	3	14	16	V	4.5	6	6.38	187
401430175	2012	3	14	17	V	8.5	4	5.84	193
401430175	2012	3	14	18	V	5.8	1	5.1	188
401430175	2012	3	14	19	V	2.8	2	4.46	188
401430175	2012	3	14	20	V	4.3	4	3.01	188
401430175	2012	3	14	21	V	4.1	1	3.27	188
401430175	2012	3	14	22	V	3.4	1	2.45	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	14	23	V	7.4	5	2.37	170
401430175	2012	3	14	24	V	8.2	7	2.74	172
401430175	2012	3	15	1	V	5.7	8	2.18	166
401430175	2012	3	15	2	V	7.6	1	2.13	169
401430175	2012	3	15	3	V	9.4	1	1.54	176
401430175	2012	3	15	4	V	4.4	0	2.08	164
401430175	2012	3	15	5	V	6.5	1	2.73	166
401430175	2012	3	15	6	V	2.3	11	2.47	185
401430175	2012	3	15	7	V	1.9	7	4.02	194
401430175	2012	3	15	8	V	8.0	9	4.31	190
401430175	2012	3	15	9	V	4.7	10	5.34	187
401430175	2012	3	15	10	V	8.3	2	7.28	195
401430175	2012	3	15	11	V	6.3	7	7.18	192
401430175	2012	3	15	12	V	5.5	21	7.04	183
401430175	2012	3	15	13	V	6.0	18	6.07	183
401430175	2012	3	15	14	V	6.0	15	6.31	185
401430175	2012	3	15	15	V	7.3	21	6.24	176
401430175	2012	3	15	16	V	7.7	18	6.96	176
401430175	2012	3	15	17	V	10.3	24	6.5	171
401430175	2012	3	15	18	V	5.9	9	6.6	186
401430175	2012	3	15	19	V	3.4	2	5.36	185
401430175	2012	3	15	20	V	3.9	1	3.97	186
401430175	2012	3	15	21	V	3.2	3	3.03	188
401430175	2012	3	15	22	V	3.5	2	1.43	185
401430175	2012	3	15	23	V	14.9	3	1.21	176
401430175	2012	3	15	24	V	9.7	2	1.08	196
401430175	2012	3	16	1	V	8.0	3	1.2	182
401430175	2012	3	16	2	V	25.9	3	0.84	209
401430175	2012	3	16	3	V	19.4	2	0.67	198
401430175	2012	3	16	4	V	11.8	2	0.86	184
401430175	2012	3	16	5	V	6.3	1	2.06	177
401430175	2012	3	16	6	V	5.6	9	2.84	175
401430175	2012	3	16	7	V	1.5	9	2.37	192
401430175	2012	3	16	8	V	9.9	7	3.46	194
401430175	2012	3	16	9	V	8.1	3	5.16	197
401430175	2012	3	16	10	V	8.1	3	5.95	195
401430175	2012	3	16	11	V	7.5	7	6.24	195
401430175	2012	3	16	12	V	6.6	4	5.94	192
401430175	2012	3	16	13	V	8.6	6	6.12	195
401430175	2012	3	16	14	V	10.3	3	6.92	198
401430175	2012	3	16	15	V	5.4	6	6.09	191
401430175	2012	3	16	16	V	7.4	10	5.38	179
401430175	2012	3	16	17	V	11.4	27	5.53	172
401430175	2012	3	16	18	V	12.1	20	5.14	174
401430175	2012	3	16	19	V	6.9	25	4.24	171
401430175	2012	3	16	20	V	6.9	15	3.75	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	16	21	V	7.0	2	3.81	167
401430175	2012	3	16	22	V	5.9	10	4.48	168
401430175	2012	3	16	23	V	5.6	34	4.87	177
401430175	2012	3	16	24	V	6.0	24	4.54	168
401430175	2012	3	17	1	V	5.3	15	3.81	175
401430175	2012	3	17	2	V	5.5	16	4.17	170
401430175	2012	3	17	3	V	2.0	5	4.48	159
401430175	2012	3	17	4	V	5.8	12	4.32	171
401430175	2012	3	17	5	V	15.1	25	4.49	215
401430175	2012	3	17	6	V	1.6	19	5.19	198
401430175	2012	3	17	7	V	1.5	13	4.02	193
401430175	2012	3	17	8	V	7.3	8	4.58	186
401430175	2012	3	17	9	V	4.3	12	6.53	187
401430175	2012	3	17	10	V	5.0	9	7.42	189
401430175	2012	3	17	11	V	6.7	4	6.57	193
401430175	2012	3	17	12	V	6.2	11	7.45	192
401430175	2012	3	17	13	V	4.7	11	7.62	186
401430175	2012	3	17	14	V	4.7	9	7.77	187
401430175	2012	3	17	15	V	4.7	5	7.89	190
401430175	2012	3	17	16	V	4.5	7	7.81	184
401430175	2012	3	17	17	V	6.6	4	6.58	183
401430175	2012	3	17	18	V	5.8	6	6.07	188
401430175	2012	3	17	19	V	4.1	3	4.65	183
401430175	2012	3	17	20	V	5.5	4	3.78	180
401430175	2012	3	17	21	V	6.0	14	3.54	164
401430175	2012	3	17	22	V	4.2	16	3.78	164
401430175	2012	3	17	23	V	5.0	14	3.83	168
401430175	2012	3	17	24	V	2.2	10	2.57	160
401430175	2012	3	18	1	V	1.3	3	2.23	143
401430175	2012	3	18	2	V	2.9	5	2.95	162
401430175	2012	3	18	3	V	3.1	18	4.2	163
401430175	2012	3	18	4	V	3.3	44	3.49	163
401430175	2012	3	18	5	V	4.9	24	3.78	166
401430175	2012	3	18	6	V	4.4	3	4.39	166
401430175	2012	3	18	7	V	5.4	8	5.05	166
401430175	2012	3	18	8	V	9.9	20	5.68	172
401430175	2012	3	18	9	V	6.8	31	6.09	175
401430175	2012	3	18	10	V	6.9	18	7.37	178
401430175	2012	3	18	11	V	8.0	23	6.47	177
401430175	2012	3	18	12	V	7.0	32	7.26	179
401430175	2012	3	18	13	V	6.8	18	8.56	179
401430175	2012	3	18	14	V	7.3	29	8.13	178
401430175	2012	3	18	15	V	8.5	22	5.97	169
401430175	2012	3	18	16	V	9.1	11	6.26	170
401430175	2012	3	18	17	V	10.5	32	7.5	174
401430175	2012	3	18	18	V	11.0	31	7.08	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	18	19	V	8.6	10	6.41	169
401430175	2012	3	18	20	V	9.5	49	6.18	173
401430175	2012	3	18	21	V	8.6	34	5.16	171
401430175	2012	3	18	22	V	6.5	30	4.93	169
401430175	2012	3	18	23	V	4.3	21	3.97	164
401430175	2012	3	18	24	V	6.3	13	3.54	175
401430175	2012	3	19	1	V	5.7	22	4.05	170
401430175	2012	3	19	2	V	5.1	21	4.24	167
401430175	2012	3	19	3	V	6.4	11	5.21	170
401430175	2012	3	19	4	V	7.2	41	5.9	171
401430175	2012	3	19	5	V	7.7	22	5.79	169
401430175	2012	3	19	6	V	4.4	1	5.53	163
401430175	2012	3	19	7	V	4.7	1	5.07	163
401430175	2012	3	19	8	V	7.8	0	4.54	163
401430175	2012	3	19	9	V	2.9	0	5.8	159
401430175	2012	3	19	10	V	3.3	1	5.19	156
401430175	2012	3	19	11	V	7.6	1	5.33	236
401430175	2012	3	19	12	V	3.5	0	1.47	47
401430175	2012	3	19	13	V	2.9	0	1.48	22
401430175	2012	3	19	14	V	2.5	0	2.86	16
401430175	2012	3	19	15	V	1.9	0	2.79	20
401430175	2012	3	19	16	V	2.9	0	3.29	50
401430175	2012	3	19	17	V	4.9	0	3	41
401430175	2012	3	19	18	V	3.7	0	3.17	55
401430175	2012	3	19	19	V	1.5	0	2.05	54
401430175	2012	3	19	20	V	2.9	0	2.16	139
401430175	2012	3	19	21	V	2.7	0	2.59	95
401430175	2012	3	19	22	V	1.4	0	3.68	116
401430175	2012	3	19	23	V	2.1	4	4.14	156
401430175	2012	3	19	24	V	1.5	1	3.93	132
401430175	2012	3	20	1	V	1.3	0	4.43	122
401430175	2012	3	20	2	V	0.9	0	3.68	140
401430175	2012	3	20	3	V	0.5	0	3.3	135
401430175	2012	3	20	4	V	0.6	0	2.61	116
401430175	2012	3	20	5	V	12.3	0	1.26	175
401430175	2012	3	20	6	V	5.1	0	2.16	165
401430175	2012	3	20	7	V	1.1	0	2.25	117
401430175	2012	3	20	8	V	15.6	0	0.86	194
401430175	2012	3	20	9	V	18.4	0	1.25	221
401430175	2012	3	20	10	V	19.9	0	1.08	223
401430175	2012	3	20	11	V	17.3	2	2.11	212
401430175	2012	3	20	12	V	8.1	-999	2.25	165
401430175	2012	3	20	13	V	16.8	-999	1.76	228
401430175	2012	3	20	14	V	8.4	-999	1.4	171
401430175	2012	3	20	15	V	2.1	-999	1.65	119
401430175	2012	3	20	16	V	2.4	-999	1.45	125

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	20	17	V	7.0	-999	1.04	246
401430175	2012	3	20	18	V	6.1	0	1.57	205
401430175	2012	3	20	19	V	1.8	0	1.06	342
401430175	2012	3	20	20	V	5.6	0	0.63	46
401430175	2012	3	20	21	V	3.2	0	1.01	7
401430175	2012	3	20	22	V	1.4	0	2.1	58
401430175	2012	3	20	23	V	30.6	0	0.75	213
401430175	2012	3	20	24	V	1.5	0	2.44	109
401430175	2012	3	21	1	V	5.8	0	1.13	191
401430175	2012	3	21	2	V	1.0	0	1.59	138
401430175	2012	3	21	3	V	3.4	0	1.25	189
401430175	2012	3	21	4	V	3.5	3	1.52	197
401430175	2012	3	21	5	V	2.7	3	2.04	206
401430175	2012	3	21	6	V	0.5	0	1.99	296
401430175	2012	3	21	7	V	1.2	0	1.31	16
401430175	2012	3	21	8	V	4.5	0	1.21	353
401430175	2012	3	21	9	V	1.6	0	2.25	26
401430175	2012	3	21	10	V	3.9	0	2.06	38
401430175	2012	3	21	11	V	2.5	0	1.81	115
401430175	2012	3	21	12	V	20.6	2	1.47	215
401430175	2012	3	21	13	V	3.4	5	1.6	62
401430175	2012	3	21	14	V	2.5	1	3.88	96
401430175	2012	3	21	15	V	1.9	0	2.76	104
401430175	2012	3	21	16	V	2.4	0	2.3	114
401430175	2012	3	21	17	V	3.8	0	3.66	88
401430175	2012	3	21	18	V	3.8	0	3.83	122
401430175	2012	3	21	19	V	1.5	0	4.27	119
401430175	2012	3	21	20	V	29.1	21	5.48	218
401430175	2012	3	21	21	V	2.7	9	2.03	288
401430175	2012	3	21	22	V	1.9	0	1.06	58
401430175	2012	3	21	23	V	1.5	0	0.87	92
401430175	2012	3	21	24	V	1.9	0	0.89	95
401430175	2012	3	22	1	V	1.3	0	1.91	97
401430175	2012	3	22	2	V	0.9	0	1.65	23
401430175	2012	3	22	3	V	3.9	0	1.94	45
401430175	2012	3	22	4	V	0.6	0	3.59	100
401430175	2012	3	22	5	V	1.4	0	4.29	124
401430175	2012	3	22	6	V	0.5	0	4.24	134
401430175	2012	3	22	7	V	1.1	0	5.17	139
401430175	2012	3	22	8	V	4.1	0	5.29	147
401430175	2012	3	22	9	V	2.4	0	5.6	156
401430175	2012	3	22	10	V	10.3	1	4.78	170
401430175	2012	3	22	11	V	9.3	6	5.51	170
401430175	2012	3	22	12	V	6.9	4	4.97	164
401430175	2012	3	22	13	V	13.3	13	3.92	203
401430175	2012	3	22	14	V	11.3	9	4.36	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	22	15	V	13.5	3	3.64	205
401430175	2012	3	22	16	V	19.8	5	2.21	217
401430175	2012	3	22	17	V	5.3	1	1.08	251
401430175	2012	3	22	18	V	3.9	0	1.25	278
401430175	2012	3	22	19	V	1.6	0	1.4	248
401430175	2012	3	22	20	V	18.5	0	1.2	213
401430175	2012	3	22	21	V	36.9	0	0.86	225
401430175	2012	3	22	22	V	11.0	0	1.14	235
401430175	2012	3	22	23	V	30.8	0	0.72	230
401430175	2012	3	22	24	V	13.1	0	0.92	198
401430175	2012	3	23	1	V	23.5	0	0.92	210
401430175	2012	3	23	2	V	20.2	0	0.94	207
401430175	2012	3	23	3	V	0.8	0	1.06	272
401430175	2012	3	23	4	V	20.2	0	1.5	222
401430175	2012	3	23	5	V	8.1	4	1.67	232
401430175	2012	3	23	6	V	0.6	0	2.62	241
401430175	2012	3	23	7	V	2.1	0	2.16	240
401430175	2012	3	23	8	V	8.4	0	2.4	242
401430175	2012	3	23	9	V	1.6	0	2.83	259
401430175	2012	3	23	10	V	2.6	0	3.54	281
401430175	2012	3	23	11	V	2.0	0	4.41	294
401430175	2012	3	23	12	V	2.4	0	3.51	293
401430175	2012	3	23	13	V	2.6	0	3.81	298
401430175	2012	3	23	14	V	2.5	0	3.71	316
401430175	2012	3	23	15	V	2.0	0	3.75	304
401430175	2012	3	23	16	V	2.2	0	3.83	331
401430175	2012	3	23	17	V	3.9	0	3.35	326
401430175	2012	3	23	18	V	3.9	0	2.47	309
401430175	2012	3	23	19	V	1.6	0	1.35	294
401430175	2012	3	23	20	V	4.3	0	0.65	300
401430175	2012	3	23	21	V	4.0	0	0.77	282
401430175	2012	3	23	22	V	4.8	0	0.58	302
401430175	2012	3	23	23	V	17.7	0	0.74	237
401430175	2012	3	23	24	V	4.2	0	0.62	342
401430175	2012	3	24	1	V	11.1	0	0.7	243
401430175	2012	3	24	2	V	3.7	0	0.92	245
401430175	2012	3	24	3	V	11.1	0	0.86	196
401430175	2012	3	24	4	C	-999	0	0	0
401430175	2012	3	24	5	V	11.9	0	0.53	158
401430175	2012	3	24	6	V	5.0	0	0.52	263
401430175	2012	3	24	7	V	3.1	0	0.75	254
401430175	2012	3	24	8	V	15.0	0	1.31	202
401430175	2012	3	24	9	V	4.4	0	1.21	147
401430175	2012	3	24	10	V	10.4	0	1.3	173
401430175	2012	3	24	11	V	7.8	1	1.45	171
401430175	2012	3	24	12	V	4.0	2	1.98	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	24	13	V	3.2	1	1.99	338
401430175	2012	3	24	14	V	2.8	0	2.61	317
401430175	2012	3	24	15	V	2.1	2	2.78	312
401430175	2012	3	24	16	V	2.7	0	2.13	312
401430175	2012	3	24	17	V	4.4	0	1.72	304
401430175	2012	3	24	18	V	4.2	0	1.42	21
401430175	2012	3	24	19	V	1.8	0	1.04	354
401430175	2012	3	24	20	C	-999	0	0	0
401430175	2012	3	24	21	V	5.8	0	0.58	349
401430175	2012	3	24	22	V	5.3	0	0.52	295
401430175	2012	3	24	23	C	-999	0	0	0
401430175	2012	3	24	24	V	4.4	0	0.6	281
401430175	2012	3	25	1	C	-999	0	0	0
401430175	2012	3	25	2	C	-999	0	0	0
401430175	2012	3	25	3	C	-999	0	0	0
401430175	2012	3	25	4	C	-999	0	0	0
401430175	2012	3	25	5	C	-999	0	0	0
401430175	2012	3	25	6	C	-999	0	0	0
401430175	2012	3	25	7	C	-999	0	0	0
401430175	2012	3	25	8	C	-999	0	0	0
401430175	2012	3	25	9	V	5.9	0	0.77	79
401430175	2012	3	25	10	V	8.2	5	1.04	149
401430175	2012	3	25	11	V	4.1	3	1.59	145
401430175	2012	3	25	12	V	4.0	2	3.03	151
401430175	2012	3	25	13	V	2.9	5	2.76	130
401430175	2012	3	25	14	V	4.5	1	2.2	149
401430175	2012	3	25	15	V	3.1	0	2.57	144
401430175	2012	3	25	16	V	2.6	0	2.27	120
401430175	2012	3	25	17	V	3.9	2	2.89	105
401430175	2012	3	25	18	V	3.9	1	2.55	132
401430175	2012	3	25	19	V	1.5	0	2.39	142
401430175	2012	3	25	20	V	17.5	0	1.28	174
401430175	2012	3	25	21	C	-999	0	0	0
401430175	2012	3	25	22	V	2.9	0	0.74	279
401430175	2012	3	25	23	V	3.5	0	0.65	278
401430175	2012	3	25	24	C	-999	0	0	0
401430175	2012	3	26	1	V	3.3	0	0.67	312
401430175	2012	3	26	2	C	-999	0	0	0
401430175	2012	3	26	3	C	-999	0	0	0
401430175	2012	3	26	4	C	-999	0	0	0
401430175	2012	3	26	5	C	-999	0	0	0
401430175	2012	3	26	6	C	-999	0	0	0
401430175	2012	3	26	7	C	-999	0	0	0
401430175	2012	3	26	8	C	-999	1	0	0
401430175	2012	3	26	9	V	2.5	0	1.35	124
401430175	2012	3	26	10	V	4.0	0	2.11	147

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	26	11	V	2.5	0	3.08	143
401430175	2012	3	26	12	V	7.0	1	3.69	166
401430175	2012	3	26	13	V	5.4	-999	3.9	159
401430175	2012	3	26	14	V	3.9	-999	4.1	153
401430175	2012	3	26	15	V	2.4	0	4.48	149
401430175	2012	3	26	16	V	5.3	1	5.41	161
401430175	2012	3	26	17	V	8.7	2	5.48	165
401430175	2012	3	26	18	V	8.8	1	4.46	164
401430175	2012	3	26	19	V	4.4	0	3.88	164
401430175	2012	3	26	20	V	6.7	0	4.19	166
401430175	2012	3	26	21	V	7.7	7	4.63	174
401430175	2012	3	26	22	V	3.7	8	4.43	182
401430175	2012	3	26	23	V	2.6	5	3.52	184
401430175	2012	3	26	24	V	3.2	9	3.4	183
401430175	2012	3	27	1	V	1.7	6	1.91	157
401430175	2012	3	27	2	V	7.6	4	2.3	173
401430175	2012	3	27	3	V	8.2	8	1.84	175
401430175	2012	3	27	4	V	0.7	9	1.98	156
401430175	2012	3	27	5	V	2.6	2	2.23	161
401430175	2012	3	27	6	V	5.8	1	2.11	167
401430175	2012	3	27	7	V	5.1	0	3.03	166
401430175	2012	3	27	8	V	9.8	2	3.91	169
401430175	2012	3	27	9	V	6.4	29	5.05	169
401430175	2012	3	27	10	V	6.1	14	5.84	183
401430175	2012	3	27	11	V	5.0	11	7.04	188
401430175	2012	3	27	12	V	7.9	16	7.86	195
401430175	2012	3	27	13	V	6.6	24	8.74	192
401430175	2012	3	27	14	V	8.2	22	7.83	195
401430175	2012	3	27	15	V	7.3	18	7.09	194
401430175	2012	3	27	16	V	8.4	16	6.53	195
401430175	2012	3	27	17	V	7.5	9	6.06	188
401430175	2012	3	27	18	V	12.2	11	5.29	198
401430175	2012	3	27	19	V	1.9	5	3.68	193
401430175	2012	3	27	20	V	3.3	20	2.93	196
401430175	2012	3	27	21	V	5.6	12	1.71	205
401430175	2012	3	27	22	V	12.0	1	1.26	210
401430175	2012	3	27	23	V	34.8	2	0.94	218
401430175	2012	3	27	24	V	30.1	5	0.52	232
401430175	2012	3	28	1	C	-999	6	0	0
401430175	2012	3	28	2	C	-999	2	0	0
401430175	2012	3	28	3	C	-999	1	0	0
401430175	2012	3	28	4	V	38.1	0	0.62	225
401430175	2012	3	28	5	V	8.5	0	1.08	183
401430175	2012	3	28	6	V	1.5	1	1.13	154
401430175	2012	3	28	7	V	1.4	8	1.86	157
401430175	2012	3	28	8	V	9.2	16	3.57	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	28	9	V	5.1	11	5.04	187
401430175	2012	3	28	10	V	5.9	15	6.11	189
401430175	2012	3	28	11	V	9.7	12	7.18	199
401430175	2012	3	28	12	V	7.3	13	6.79	193
401430175	2012	3	28	13	V	8.8	18	6.7	196
401430175	2012	3	28	14	V	6.0	13	6.58	185
401430175	2012	3	28	15	V	5.4	5	6.48	186
401430175	2012	3	28	16	V	7.1	14	6.77	178
401430175	2012	3	28	17	V	7.3	26	6.43	183
401430175	2012	3	28	18	V	10.8	18	6.23	175
401430175	2012	3	28	19	V	5.4	11	3.81	172
401430175	2012	3	28	20	V	8.0	9	3.4	169
401430175	2012	3	28	21	V	7.5	4	2.61	175
401430175	2012	3	28	22	V	6.9	2	3.2	173
401430175	2012	3	28	23	V	6.3	14	2.91	169
401430175	2012	3	28	24	V	8.0	11	2.18	169
401430175	2012	3	29	1	V	7.2	22	2.55	173
401430175	2012	3	29	2	V	8.5	15	1.87	175
401430175	2012	3	29	3	V	2.4	6	1.94	162
401430175	2012	3	29	4	V	5.9	6	1.11	190
401430175	2012	3	29	5	V	16.5	0	0.79	180
401430175	2012	3	29	6	V	6.4	0	0.96	159
401430175	2012	3	29	7	V	2.6	0	1.37	158
401430175	2012	3	29	8	V	10.2	6	2.69	170
401430175	2012	3	29	9	V	6.3	13	3.78	179
401430175	2012	3	29	10	V	6.4	15	4.61	186
401430175	2012	3	29	11	V	8.2	12	4.8	173
401430175	2012	3	29	12	V	6.6	16	5.85	181
401430175	2012	3	29	13	V	8.2	15	5.73	172
401430175	2012	3	29	14	V	6.7	5	6.35	165
401430175	2012	3	29	15	V	5.7	0	6.58	164
401430175	2012	3	29	16	V	7.2	1	6.89	167
401430175	2012	3	29	17	V	9.8	17	6.8	175
401430175	2012	3	29	18	V	7.5	6	5.67	182
401430175	2012	3	29	19	V	3.6	1	4.53	183
401430175	2012	3	29	20	V	3.5	2	2.27	187
401430175	2012	3	29	21	V	6.1	8	1.99	214
401430175	2012	3	29	22	V	30.2	9	1.13	226
401430175	2012	3	29	23	V	8.9	9	1.43	208
401430175	2012	3	29	24	V	9.7	10	1.81	217
401430175	2012	3	30	1	V	3.1	24	1.59	193
401430175	2012	3	30	2	V	1.6	8	1.91	191
401430175	2012	3	30	3	V	1.7	18	4.54	186
401430175	2012	3	30	4	V	1.4	16	4.87	189
401430175	2012	3	30	5	V	1.8	5	4.09	194
401430175	2012	3	30	6	V	4.4	8	1.54	207

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	3	30	7	V	1.7	2	0.77	290
401430175	2012	3	30	8	V	10.8	4	1.67	181
401430175	2012	3	30	9	V	6.2	12	3.54	180
401430175	2012	3	30	10	V	7.2	14	3.97	188
401430175	2012	3	30	11	V	7.5	7	3.32	185
401430175	2012	3	30	12	V	10.6	1	2.5	194
401430175	2012	3	30	13	V	15.6	0	2.3	220
401430175	2012	3	30	14	V	8.4	2	3.01	183
401430175	2012	3	30	15	V	7.4	3	3.8	184
401430175	2012	3	30	16	V	8.0	2	4.54	171
401430175	2012	3	30	17	V	8.8	12	4.56	182
401430175	2012	3	30	18	V	10.2	5	4.09	194
401430175	2012	3	30	19	V	2.2	3	3.05	198
401430175	2012	3	30	20	V	7.3	1	1.62	212
401430175	2012	3	30	21	V	17.6	20	1.42	216
401430175	2012	3	30	22	V	36.3	13	0.94	219
401430175	2012	3	30	23	C	-999	3	0	0
401430175	2012	3	30	24	V	3.4	3	0.69	274
401430175	2012	3	31	1	C	-999	4	0	0
401430175	2012	3	31	2	V	2.6	2	0.69	300
401430175	2012	3	31	3	V	2.9	1	0.62	268
401430175	2012	3	31	4	V	21.9	0	0.6	237
401430175	2012	3	31	5	C	-999	0	0	0
401430175	2012	3	31	6	V	4.3	0	0.53	284
401430175	2012	3	31	7	C	-999	0	0	0
401430175	2012	3	31	8	V	17.9	0	0.79	197
401430175	2012	3	31	9	V	13.2	2	1.48	193
401430175	2012	3	31	10	V	9.2	5	2.33	179
401430175	2012	3	31	11	V	7.6	3	1.79	173
401430175	2012	3	31	12	V	3.4	1	2.01	135
401430175	2012	3	31	13	V	5.5	0	2.9	159
401430175	2012	3	31	14	V	7.5	0	3.52	173
401430175	2012	3	31	15	V	6.4	2	3.74	167
401430175	2012	3	31	16	V	7.5	9	3.81	170
401430175	2012	3	31	17	V	10.1	2	3.4	179
401430175	2012	3	31	18	V	9.5	3	3.15	165
401430175	2012	3	31	19	V	1.5	0	2.47	152
401430175	2012	3	31	20	V	2.9	0	1.82	144
401430175	2012	3	31	21	V	10.5	0	0.97	187
401430175	2012	3	31	22	V	5.9	2	1.37	196
401430175	2012	3	31	23	V	3.8	10	1.69	199
401430175	2012	3	31	24	V	3.2	6	1.81	197
401430175	2012	4	1	1	V	17.4	4	0.77	199
401430175	2012	4	1	2	V	18.1	9	0.75	178
401430175	2012	4	1	3	V	0.8	13	2.33	188
401430175	2012	4	1	4	V	16.9	4	1.21	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	1	5	V	1.8	2	1.48	155
401430175	2012	4	1	6	V	1.0	0	1.5	156
401430175	2012	4	1	7	V	5.2	0	2.69	166
401430175	2012	4	1	8	V	9.9	11	4.17	173
401430175	2012	4	1	9	V	4.8	10	6.21	185
401430175	2012	4	1	10	V	5.9	6	6.36	187
401430175	2012	4	1	11	V	5.9	21	7.08	190
401430175	2012	4	1	12	V	5.8	7	7.52	189
401430175	2012	4	1	13	V	6.1	14	7.16	189
401430175	2012	4	1	14	V	5.9	19	6.99	186
401430175	2012	4	1	15	V	5.5	21	7.28	185
401430175	2012	4	1	16	V	5.9	27	7.49	184
401430175	2012	4	1	17	V	7.4	11	7.23	187
401430175	2012	4	1	18	V	7.2	16	6.04	185
401430175	2012	4	1	19	V	6.8	29	4.85	175
401430175	2012	4	1	20	V	8.8	45	5.12	172
401430175	2012	4	1	21	V	8.5	51	5.07	172
401430175	2012	4	1	22	V	6.8	53	4.83	170
401430175	2012	4	1	23	V	4.7	23	4.24	165
401430175	2012	4	1	24	V	6.1	40	4.19	169
401430175	2012	4	2	1	V	5.9	41	3.78	171
401430175	2012	4	2	2	V	3.8	36	4.65	181
401430175	2012	4	2	3	V	1.9	17	4.39	185
401430175	2012	4	2	4	V	1.4	6	5.09	190
401430175	2012	4	2	5	V	4.9	4	4.36	179
401430175	2012	4	2	6	V	4.5	6	3.97	176
401430175	2012	4	2	7	V	6.0	18	4.2	170
401430175	2012	4	2	8	V	9.6	29	5.02	171
401430175	2012	4	2	9	V	7.1	25	6.03	177
401430175	2012	4	2	10	V	6.2	18	6.83	182
401430175	2012	4	2	11	V	7.2	-999	6.28	177
401430175	2012	4	2	12	V	7.1	1	5.63	167
401430175	2012	4	2	13	V	5.7	0	5.7	162
401430175	2012	4	2	14	V	6.0	2	5.85	163
401430175	2012	4	2	15	V	1.8	0	6.77	144
401430175	2012	4	2	16	V	3.5	4	6.46	156
401430175	2012	4	2	17	V	4.4	0	6.04	153
401430175	2012	4	2	18	V	6.0	0	5.44	159
401430175	2012	4	2	19	V	5.3	0	4.05	164
401430175	2012	4	2	20	V	11.7	10	7.25	171
401430175	2012	4	2	21	V	6.0	8	3.39	167
401430175	2012	4	2	22	V	1.4	0	3.1	144
401430175	2012	4	2	23	V	1.1	0	1.96	139
401430175	2012	4	2	24	V	3.8	1	1.84	201
401430175	2012	4	3	1	V	30.1	8	1.09	217
401430175	2012	4	3	2	V	1.2	3	1.08	310

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	3	3	V	0.9	4	1.06	64
401430175	2012	4	3	4	V	16.2	1	1.28	171
401430175	2012	4	3	5	V	4.6	1	1.31	238
401430175	2012	4	3	6	V	0.5	0	1.79	246
401430175	2012	4	3	7	V	7.4	0	1.98	231
401430175	2012	4	3	8	M	-999	2	0.86	127
401430175	2012	4	3	9	M	-999	1	1.77	141
401430175	2012	4	3	10	M	-999	0	3.93	115
401430175	2012	4	3	11	M	-999	6	4.19	148
401430175	2012	4	3	12	M	-999	3	2.66	258
401430175	2012	4	3	13	M	-999	0	2.15	299
401430175	2012	4	3	14	M	-999	0	2.15	39
401430175	2012	4	3	15	M	-999	8	3.15	215
401430175	2012	4	3	16	M	-999	15	1.96	268
401430175	2012	4	3	17	M	-999	0	1.76	63
401430175	2012	4	3	18	M	-999	1	4.75	125
401430175	2012	4	3	19	V	1.5	3	2.4	63
401430175	2012	4	3	20	V	4.5	0	1.5	40
401430175	2012	4	3	21	V	3.0	0	1.14	298
401430175	2012	4	3	22	V	3.2	0	1.33	240
401430175	2012	4	3	23	V	8.7	1	1.59	232
401430175	2012	4	3	24	V	2.5	0	0.91	251
401430175	2012	4	4	1	V	18.6	0	0.62	193
401430175	2012	4	4	2	V	1.7	0	0.84	265
401430175	2012	4	4	3	V	1.9	0	0.75	257
401430175	2012	4	4	4	C	-999	0	0	0
401430175	2012	4	4	5	V	3.3	0	0.72	32
401430175	2012	4	4	6	V	22.8	2	1.35	220
401430175	2012	4	4	7	V	24.1	3	1.35	224
401430175	2012	4	4	8	V	4.3	0	2.11	261
401430175	2012	4	4	9	V	1.6	0	2.79	259
401430175	2012	4	4	10	V	2.9	0	2.88	254
401430175	2012	4	4	11	V	5.7	0	3.39	241
401430175	2012	4	4	12	V	17.9	0	3.64	228
401430175	2012	4	4	13	V	16.6	5	3.49	224
401430175	2012	4	4	14	V	15.2	8	3.69	227
401430175	2012	4	4	15	V	11.6	15	4.29	232
401430175	2012	4	4	16	V	15.5	8	4.42	227
401430175	2012	4	4	17	V	20.9	9	3.81	221
401430175	2012	4	4	18	V	15.8	6	4.39	231
401430175	2012	4	4	19	V	18.2	19	4.58	217
401430175	2012	4	4	20	V	5.0	36	2.95	205
401430175	2012	4	4	21	V	13.7	25	2.86	221
401430175	2012	4	4	22	V	1.5	0	2.47	242
401430175	2012	4	4	23	V	4.9	0	1.81	234
401430175	2012	4	4	24	V	9.4	0	1.21	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	5	1	V	8.1	8	1.81	231
401430175	2012	4	5	2	V	1.0	0	1.55	248
401430175	2012	4	5	3	V	0.8	0	1.04	260
401430175	2012	4	5	4	V	2.5	0	0.69	274
401430175	2012	4	5	5	V	1.6	0	1.21	315
401430175	2012	4	5	6	V	27.9	0	1.21	219
401430175	2012	4	5	7	V	1.1	0	1.52	247
401430175	2012	4	5	8	V	4.4	0	1.64	266
401430175	2012	4	5	9	V	1.7	0	2.23	274
401430175	2012	4	5	10	V	2.6	0	2.49	266
401430175	2012	4	5	11	V	2.1	0	2.86	296
401430175	2012	4	5	12	V	2.4	0	2.96	315
401430175	2012	4	5	13	V	2.5	0	3.13	307
401430175	2012	4	5	14	V	2.6	0	2.45	340
401430175	2012	4	5	15	V	1.9	0	2.73	337
401430175	2012	4	5	16	V	2.2	0	2.5	338
401430175	2012	4	5	17	V	3.8	0	3.12	3
401430175	2012	4	5	18	V	3.8	0	2.56	11
401430175	2012	4	5	19	V	1.6	0	2.95	12
401430175	2012	4	5	20	V	3.0	0	2.89	10
401430175	2012	4	5	21	V	2.7	0	2.83	7
401430175	2012	4	5	22	V	1.4	0	4.32	22
401430175	2012	4	5	23	V	1.1	0	4.78	30
401430175	2012	4	5	24	V	1.5	0	4.27	32
401430175	2012	4	6	1	V	1.3	0	3.07	30
401430175	2012	4	6	2	V	0.9	0	2.57	21
401430175	2012	4	6	3	V	0.4	0	2.15	14
401430175	2012	4	6	4	V	0.6	0	2.83	31
401430175	2012	4	6	5	V	1.6	0	2.71	36
401430175	2012	4	6	6	V	0.5	0	1.72	27
401430175	2012	4	6	7	V	1.1	0	1.79	34
401430175	2012	4	6	8	V	4.4	0	2.13	59
401430175	2012	4	6	9	V	2.3	0	1.76	58
401430175	2012	4	6	10	V	2.6	0	2.15	91
401430175	2012	4	6	11	V	2.1	0	2.73	127
401430175	2012	4	6	12	V	3.4	0	3.08	151
401430175	2012	4	6	13	V	2.6	0	2.81	141
401430175	2012	4	6	14	V	2.5	0	2.81	128
401430175	2012	4	6	15	V	1.9	0	2.76	129
401430175	2012	4	6	16	V	2.2	0	2.66	129
401430175	2012	4	6	17	V	3.9	0	3.32	128
401430175	2012	4	6	18	V	3.8	0	3.81	131
401430175	2012	4	6	19	V	1.5	0	3.1	117
401430175	2012	4	6	20	V	11.3	0	0.87	161
401430175	2012	4	6	21	V	4.7	0	0.62	280
401430175	2012	4	6	22	V	3.1	0	0.7	300

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	6	23	V	3.9	0	0.62	286
401430175	2012	4	6	24	V	3.8	0	1.55	194
401430175	2012	4	7	1	V	5.4	0	2.01	165
401430175	2012	4	7	2	V	1.4	1	2.39	196
401430175	2012	4	7	3	V	22.8	2	1.43	223
401430175	2012	4	7	4	V	1.5	4	2.81	182
401430175	2012	4	7	5	V	6.0	10	3.58	176
401430175	2012	4	7	6	V	4.5	4	2.83	166
401430175	2012	4	7	7	V	6.6	2	4.73	170
401430175	2012	4	7	8	V	10.1	9	3.05	170
401430175	2012	4	7	9	V	5.9	9	5.75	179
401430175	2012	4	7	10	V	7.5	12	5.21	180
401430175	2012	4	7	11	V	14.9	1	4.75	207
401430175	2012	4	7	12	V	3.0	0	6.16	40
401430175	2012	4	7	13	V	2.9	0	2.44	57
401430175	2012	4	7	14	V	3.1	0	1.42	94
401430175	2012	4	7	15	V	3.1	0	1.01	337
401430175	2012	4	7	16	V	2.5	0	1.55	338
401430175	2012	4	7	17	V	3.9	0	1.69	360
401430175	2012	4	7	18	V	3.8	0	2.39	360
401430175	2012	4	7	19	V	1.5	0	1.93	4
401430175	2012	4	7	20	V	3.0	0	2.52	13
401430175	2012	4	7	21	V	2.8	0	3.25	22
401430175	2012	4	7	22	V	1.5	0	2.72	26
401430175	2012	4	7	23	V	1.1	0	3.35	22
401430175	2012	4	7	24	V	1.5	0	3.54	26
401430175	2012	4	8	1	V	1.4	0	3.2	29
401430175	2012	4	8	2	V	1.0	0	3.22	25
401430175	2012	4	8	3	V	0.5	0	4	32
401430175	2012	4	8	4	V	1.1	0	3.68	39
401430175	2012	4	8	5	V	1.4	0	2.67	32
401430175	2012	4	8	6	V	0.6	0	2.57	12
401430175	2012	4	8	7	V	1.1	0	2.4	18
401430175	2012	4	8	8	V	4.3	0	3.97	34
401430175	2012	4	8	9	V	2.5	0	4.85	40
401430175	2012	4	8	10	V	2.6	0	4.68	62
401430175	2012	4	8	11	V	2.2	0	3.54	71
401430175	2012	4	8	12	V	3.0	0	2.18	107
401430175	2012	4	8	13	V	2.9	0	2.5	142
401430175	2012	4	8	14	V	3.3	0	2.83	148
401430175	2012	4	8	15	V	2.5	0	1.65	133
401430175	2012	4	8	16	V	11.8	0	1.06	201
401430175	2012	4	8	17	V	5.2	0	0.77	296
401430175	2012	4	8	18	V	4.3	0	0.74	24
401430175	2012	4	8	19	V	2.9	0	0.72	266
401430175	2012	4	8	20	V	10.5	0	0.58	250

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	8	21	V	10.6	0	1.48	166
401430175	2012	4	8	22	V	21.6	0	0.86	205
401430175	2012	4	8	23	V	5.4	0	0.52	300
401430175	2012	4	8	24	V	14.2	0	0.87	182
401430175	2012	4	9	1	V	24.8	0	1.2	217
401430175	2012	4	9	2	V	18.5	0	0.53	169
401430175	2012	4	9	3	V	36.3	0	0.96	224
401430175	2012	4	9	4	V	31.5	0	0.52	204
401430175	2012	4	9	5	V	32.6	0	0.79	213
401430175	2012	4	9	6	V	3.8	0	0.6	263
401430175	2012	4	9	7	C	-999	0	0	0
401430175	2012	4	9	8	V	19.1	0	0.75	226
401430175	2012	4	9	9	V	12.6	0	1.18	239
401430175	2012	4	9	10	V	11.1	0	1.3	193
401430175	2012	4	9	11	V	8.9	3	1.57	190
401430175	2012	4	9	12	V	5.5	0	2.08	162
401430175	2012	4	9	13	V	6.0	-999	2.95	160
401430175	2012	4	9	14	V	6.1	-999	3.3	164
401430175	2012	4	9	15	V	5.0	0	3.23	158
401430175	2012	4	9	16	V	5.1	1	3.57	158
401430175	2012	4	9	17	V	7.9	2	3.93	162
401430175	2012	4	9	18	V	11.0	3	3.71	169
401430175	2012	4	9	19	V	3.2	1	2.84	187
401430175	2012	4	9	20	V	8.9	1	2.79	171
401430175	2012	4	9	21	V	2.8	0	2.3	156
401430175	2012	4	9	22	V	8.9	1	1.06	184
401430175	2012	4	9	23	V	14.3	1	0.74	191
401430175	2012	4	9	24	C	-999	1	0	0
401430175	2012	4	10	1	V	18.2	1	0.87	202
401430175	2012	4	10	2	V	1.4	1	0.99	331
401430175	2012	4	10	3	V	0.5	0	1.59	20
401430175	2012	4	10	4	V	1.5	0	0.84	360
401430175	2012	4	10	5	V	5.4	0	0.89	244
401430175	2012	4	10	6	V	0.7	0	1.37	342
401430175	2012	4	10	7	V	1.1	0	2.66	15
401430175	2012	4	10	8	V	4.1	0	3.4	18
401430175	2012	4	10	9	V	1.4	0	3.64	24
401430175	2012	4	10	10	V	3.1	0	4.36	36
401430175	2012	4	10	11	V	3.8	0	3.81	43
401430175	2012	4	10	12	V	2.5	0	3.47	58
401430175	2012	4	10	13	V	2.6	0	4	31
401430175	2012	4	10	14	V	2.6	0	3.46	29
401430175	2012	4	10	15	V	2.7	0	3.32	37
401430175	2012	4	10	16	V	3.0	0	3.69	39
401430175	2012	4	10	17	V	3.9	0	3.76	28
401430175	2012	4	10	18	V	3.8	1	3.17	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	10	19	V	1.5	2	3.42	30
401430175	2012	4	10	20	V	3.0	0	3.81	28
401430175	2012	4	10	21	V	2.7	0	4.08	31
401430175	2012	4	10	22	V	1.4	0	3.66	25
401430175	2012	4	10	23	V	1.3	0	3.75	38
401430175	2012	4	10	24	V	3.0	0	4.29	44
401430175	2012	4	11	1	V	1.5	0	3.69	51
401430175	2012	4	11	2	V	2.4	0	4.22	44
401430175	2012	4	11	3	V	0.9	0	4.02	50
401430175	2012	4	11	4	V	1.8	0	3.13	41
401430175	2012	4	11	5	V	1.4	0	3.97	12
401430175	2012	4	11	6	V	0.5	0	4.22	67
401430175	2012	4	11	7	V	1.5	0	4.22	51
401430175	2012	4	11	8	V	4.0	0	4.09	77
401430175	2012	4	11	9	V	1.5	1	2.81	89
401430175	2012	4	11	10	V	2.6	1	3.59	61
401430175	2012	4	11	11	V	2.1	0	4.54	77
401430175	2012	4	11	12	V	2.3	0	4.99	77
401430175	2012	4	11	13	V	2.4	0	4.32	81
401430175	2012	4	11	14	V	2.4	0	4.95	94
401430175	2012	4	11	15	V	1.8	0	4.27	113
401430175	2012	4	11	16	V	2.1	0	3.86	107
401430175	2012	4	11	17	V	3.7	1	3.73	111
401430175	2012	4	11	18	V	3.8	2	3.2	116
401430175	2012	4	11	19	V	1.5	1	2.64	126
401430175	2012	4	11	20	V	3.0	1	1.54	148
401430175	2012	4	11	21	V	2.8	1	1.59	112
401430175	2012	4	11	22	V	1.6	0	1.42	145
401430175	2012	4	11	23	C	-999	0	0	0
401430175	2012	4	11	24	V	3.7	0	0.67	77
401430175	2012	4	12	1	C	-999	0	0	0
401430175	2012	4	12	2	V	1.6	0	0.91	82
401430175	2012	4	12	3	V	0.4	0	1.98	101
401430175	2012	4	12	4	V	0.6	0	1.88	136
401430175	2012	4	12	5	V	1.4	0	2.62	142
401430175	2012	4	12	6	V	0.5	0	2.69	149
401430175	2012	4	12	7	V	1.5	0	2.64	151
401430175	2012	4	12	8	V	8.5	0	3.83	164
401430175	2012	4	12	9	V	2.5	0	4.65	157
401430175	2012	4	12	10	V	2.8	0	5.45	150
401430175	2012	4	12	11	V	3.8	0	6.21	158
401430175	2012	4	12	12	V	5.2	0	5.96	161
401430175	2012	4	12	13	V	5.7	0	6.31	162
401430175	2012	4	12	14	V	4.4	0	6.11	159
401430175	2012	4	12	15	V	5.5	0	6.53	163
401430175	2012	4	12	16	V	3.0	0	5.87	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	12	17	V	4.2	0	5.92	152
401430175	2012	4	12	18	V	4.1	0	5.48	154
401430175	2012	4	12	19	V	1.5	0	5.31	129
401430175	2012	4	12	20	V	2.9	0	4.76	134
401430175	2012	4	12	21	V	2.8	0	4.61	146
401430175	2012	4	12	22	V	2.2	0	4.27	154
401430175	2012	4	12	23	V	2.6	0	3.81	160
401430175	2012	4	12	24	V	5.1	0	4.07	164
401430175	2012	4	13	1	V	5.4	0	4.61	166
401430175	2012	4	13	2	V	4.8	0	4.36	166
401430175	2012	4	13	3	V	6.1	12	4.75	173
401430175	2012	4	13	4	V	3.6	5	3.83	165
401430175	2012	4	13	5	V	6.3	4	3.68	169
401430175	2012	4	13	6	V	4.3	10	3.22	163
401430175	2012	4	13	7	V	6.1	23	3.93	167
401430175	2012	4	13	8	V	9.9	18	4.7	175
401430175	2012	4	13	9	V	4.9	4	6.52	182
401430175	2012	4	13	10	V	4.9	5	7.5	186
401430175	2012	4	13	11	V	4.9	3	7.35	186
401430175	2012	4	13	12	V	7.1	18	7.28	193
401430175	2012	4	13	13	V	6.6	4	6.09	191
401430175	2012	4	13	14	V	6.9	3	5.63	181
401430175	2012	4	13	15	V	8.7	14	5.24	169
401430175	2012	4	13	16	V	8.9	15	4.31	177
401430175	2012	4	13	17	V	11.7	13	3.35	174
401430175	2012	4	13	18	V	10.7	10	3.13	178
401430175	2012	4	13	19	V	4.2	2	2.89	160
401430175	2012	4	13	20	V	8.3	10	5.09	169
401430175	2012	4	13	21	V	5.5	6	4.77	162
401430175	2012	4	13	22	V	3.3	1	5.22	159
401430175	2012	4	13	23	V	6.8	28	5.12	173
401430175	2012	4	13	24	V	6.6	28	4.85	175
401430175	2012	4	14	1	V	6.8	7	2.67	166
401430175	2012	4	14	2	V	0.9	1	2.69	140
401430175	2012	4	14	3	V	0.7	1	3.51	151
401430175	2012	4	14	4	V	7.0	1	3.05	170
401430175	2012	4	14	5	V	3.3	0	3.86	159
401430175	2012	4	14	6	V	3.7	5	4.83	182
401430175	2012	4	14	7	V	5.2	1	3.03	182
401430175	2012	4	14	8	V	6.3	0	2.86	157
401430175	2012	4	14	9	V	8.0	18	5.96	175
401430175	2012	4	14	10	V	6.0	12	8.86	181
401430175	2012	4	14	11	V	8.3	17	8.05	170
401430175	2012	4	14	12	V	6.6	8	8.3	165
401430175	2012	4	14	13	V	7.7	6	7.76	167
401430175	2012	4	14	14	V	8.2	22	8.47	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	14	15	V	6.3	6	9.12	166
401430175	2012	4	14	16	V	7.7	3	8.47	168
401430175	2012	4	14	17	V	9.6	13	8.13	168
401430175	2012	4	14	18	V	8.8	6	7.94	166
401430175	2012	4	14	19	V	9.2	3	7.89	166
401430175	2012	4	14	20	V	11.7	20	6.92	171
401430175	2012	4	14	21	V	11.7	23	7.57	175
401430175	2012	4	14	22	V	9.8	30	7.84	177
401430175	2012	4	14	23	V	10.7	24	7.84	172
401430175	2012	4	14	24	V	10.7	22	7.33	172
401430175	2012	4	15	1	V	7.7	18	8.67	181
401430175	2012	4	15	2	V	6.9	12	8.59	182
401430175	2012	4	15	3	V	7.3	20	8.17	180
401430175	2012	4	15	4	V	2.8	14	5.8	195
401430175	2012	4	15	5	V	7.6	19	5.17	171
401430175	2012	4	15	6	V	30.8	6	5.84	218
401430175	2012	4	15	7	V	24.7	11	5.62	210
401430175	2012	4	15	8	V	9.1	6	3.22	182
401430175	2012	4	15	9	V	6.1	4	3.69	189
401430175	2012	4	15	10	V	11.2	1	4.87	198
401430175	2012	4	15	11	V	10.9	1	5.6	199
401430175	2012	4	15	12	V	13.6	12	5.14	204
401430175	2012	4	15	13	V	17.1	56	5.75	213
401430175	2012	4	15	14	V	16.2	82	6.01	211
401430175	2012	4	15	15	V	13.4	53	5.94	206
401430175	2012	4	15	16	V	15.2	33	6.04	211
401430175	2012	4	15	17	V	18.6	43	5.41	213
401430175	2012	4	15	18	V	18.1	9	4.12	229
401430175	2012	4	15	19	V	8.7	84	3.13	216
401430175	2012	4	15	20	V	14.5	53	1.88	225
401430175	2012	4	15	21	V	2.7	1	1.93	245
401430175	2012	4	15	22	V	1.4	0	2.78	286
401430175	2012	4	15	23	V	1.1	0	2.25	283
401430175	2012	4	15	24	V	1.5	1	2.1	264
401430175	2012	4	16	1	V	1.3	1	1.96	278
401430175	2012	4	16	2	V	0.9	0	2.28	294
401430175	2012	4	16	3	V	0.5	0	1.84	295
401430175	2012	4	16	4	V	0.6	0	1.45	298
401430175	2012	4	16	5	V	1.4	0	2.45	331
401430175	2012	4	16	6	V	0.5	0	1.81	343
401430175	2012	4	16	7	V	6.6	0	0.79	244
401430175	2012	4	16	8	V	6.6	0	1.19	44
401430175	2012	4	16	9	V	1.5	0	3.54	13
401430175	2012	4	16	10	V	2.7	0	3.25	20
401430175	2012	4	16	11	V	3.5	0	1.84	45
401430175	2012	4	16	12	V	3.7	0	1.6	3

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	16	13	V	3.8	1	1.72	72
401430175	2012	4	16	14	V	3.7	0	1.82	62
401430175	2012	4	16	15	V	3.8	0	1.45	33
401430175	2012	4	16	16	V	6.6	0	1.37	203
401430175	2012	4	16	17	V	6.2	0	1.13	31
401430175	2012	4	16	18	V	4.5	0	1.52	6
401430175	2012	4	16	19	V	1.5	0	2.18	9
401430175	2012	4	16	20	V	3.0	0	1.6	6
401430175	2012	4	16	21	V	3.6	0	0.86	4
401430175	2012	4	16	22	V	2.7	0	0.77	336
401430175	2012	4	16	23	C	-999	0	0	0
401430175	2012	4	16	24	V	5.9	0	0.52	266
401430175	2012	4	17	1	V	32.2	0	0.55	231
401430175	2012	4	17	2	C	-999	0	0	0
401430175	2012	4	17	3	C	-999	0	0	0
401430175	2012	4	17	4	V	4.8	0	0.53	266
401430175	2012	4	17	5	V	3.1	0	0.72	263
401430175	2012	4	17	6	C	-999	0	0	0
401430175	2012	4	17	7	V	37.1	1	0.52	225
401430175	2012	4	17	8	V	5.6	1	1.16	102
401430175	2012	4	17	9	V	1.7	0	2.69	121
401430175	2012	4	17	10	V	2.8	0	3.06	140
401430175	2012	4	17	11	V	2.7	0	3.37	141
401430175	2012	4	17	12	V	5.8	1	3.2	164
401430175	2012	4	17	13	V	4.9	0	2.84	155
401430175	2012	4	17	14	V	7.2	0	2.95	175
401430175	2012	4	17	15	V	5.5	1	2.59	166
401430175	2012	4	17	16	V	5.4	0	2.96	160
401430175	2012	4	17	17	V	4.7	2	3.56	147
401430175	2012	4	17	18	V	5.2	0	3.44	152
401430175	2012	4	17	19	V	1.9	0	2.88	154
401430175	2012	4	17	20	V	3.0	0	1.59	146
401430175	2012	4	17	21	V	2.8	0	1.54	147
401430175	2012	4	17	22	V	4.5	0	1.45	161
401430175	2012	4	17	23	V	36.4	0	0.6	228
401430175	2012	4	17	24	V	2.3	0	3.05	158
401430175	2012	4	18	1	V	2.6	0	3.66	159
401430175	2012	4	18	2	V	5.5	0	4.2	170
401430175	2012	4	18	3	V	6.0	2	3.3	171
401430175	2012	4	18	4	V	5.0	3	2.79	175
401430175	2012	4	18	5	V	4.3	9	2.66	178
401430175	2012	4	18	6	V	4.1	3	2.56	166
401430175	2012	4	18	7	V	8.5	0	2.22	169
401430175	2012	4	18	8	V	9.3	18	3.46	169
401430175	2012	4	18	9	V	5.8	12	4.15	184
401430175	2012	4	18	10	V	6.5	4	5.29	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	18	11	V	7.2	8	4.66	189
401430175	2012	4	18	12	V	6.8	7	5.36	184
401430175	2012	4	18	13	V	7.0	10	5.72	182
401430175	2012	4	18	14	V	7.6	5	6.19	171
401430175	2012	4	18	15	V	7.2	7	6.67	172
401430175	2012	4	18	16	V	7.0	2	5.99	182
401430175	2012	4	18	17	V	8.8	12	5.7	182
401430175	2012	4	18	18	V	9.0	6	5.26	181
401430175	2012	4	18	19	V	6.3	11	3.56	173
401430175	2012	4	18	20	V	8.7	16	3.05	171
401430175	2012	4	18	21	V	8.3	13	3.25	173
401430175	2012	4	18	22	V	6.3	16	4.34	170
401430175	2012	4	18	23	V	5.3	29	3.68	176
401430175	2012	4	18	24	V	7.1	16	3.25	172
401430175	2012	4	19	1	V	6.1	21	2.69	175
401430175	2012	4	19	2	V	6.2	29	2.79	174
401430175	2012	4	19	3	V	5.3	21	2.32	167
401430175	2012	4	19	4	V	4.5	15	2.78	167
401430175	2012	4	19	5	V	3.9	15	2.93	163
401430175	2012	4	19	6	V	2.9	10	3.42	162
401430175	2012	4	19	7	V	5.8	13	3.85	167
401430175	2012	4	19	8	V	9.3	16	4.71	169
401430175	2012	4	19	9	V	6.2	-999	6.13	174
401430175	2012	4	19	10	V	7.7	-999	8.76	176
401430175	2012	4	19	11	V	6.6	-999	9.32	177
401430175	2012	4	19	12	V	7.4	-999	8.15	175
401430175	2012	4	19	13	V	7.3	12	8.13	169
401430175	2012	4	19	14	V	7.5	21	8.54	172
401430175	2012	4	19	15	V	5.7	11	7.48	186
401430175	2012	4	19	16	V	8.9	25	7.04	196
401430175	2012	4	19	17	V	11.5	1	6.31	197
401430175	2012	4	19	18	V	9.9	1	5.65	194
401430175	2012	4	19	19	V	3.1	1	3.17	189
401430175	2012	4	19	20	V	7.2	1	2.49	180
401430175	2012	4	19	21	V	4.2	2	1.89	198
401430175	2012	4	19	22	V	4.6	15	3.29	207
401430175	2012	4	19	23	V	4.8	6	2.28	238
401430175	2012	4	19	24	V	1.5	0	1.71	299
401430175	2012	4	20	1	V	1.4	0	2.84	257
401430175	2012	4	20	2	V	0.9	8	2.1	360
401430175	2012	4	20	3	V	0.5	0	1.99	15
401430175	2012	4	20	4	V	0.6	0	3.81	7
401430175	2012	4	20	5	V	1.4	0	3.8	359
401430175	2012	4	20	6	V	0.6	0	4.7	1
401430175	2012	4	20	7	V	1.1	0	4.58	356
401430175	2012	4	20	8	V	4.0	0	4.7	359

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	20	9	V	1.3	0	4.95	357
401430175	2012	4	20	10	V	2.5	0	4.85	355
401430175	2012	4	20	11	V	2.0	0	4.53	353
401430175	2012	4	20	12	V	2.3	0	5.24	1
401430175	2012	4	20	13	V	2.4	0	4.77	359
401430175	2012	4	20	14	V	2.5	0	5.07	1
401430175	2012	4	20	15	V	1.8	0	4.58	2
401430175	2012	4	20	16	V	2.2	0	4.22	4
401430175	2012	4	20	17	V	3.8	0	4.7	7
401430175	2012	4	20	18	V	3.8	0	3.92	6
401430175	2012	4	20	19	V	1.5	0	3.52	7
401430175	2012	4	20	20	V	2.9	0	2.1	355
401430175	2012	4	20	21	V	2.7	0	1.76	344
401430175	2012	4	20	22	V	1.4	0	1.82	338
401430175	2012	4	20	23	V	1.1	0	1.62	326
401430175	2012	4	20	24	V	1.6	0	1.33	318
401430175	2012	4	21	1	V	1.7	0	1.06	298
401430175	2012	4	21	2	V	2.2	0	0.77	330
401430175	2012	4	21	3	V	26.8	0	0.75	232
401430175	2012	4	21	4	V	9.3	0	0.65	246
401430175	2012	4	21	5	V	2.1	0	0.91	290
401430175	2012	4	21	6	C	-999	0	0	0
401430175	2012	4	21	7	V	19.1	0	0.79	235
401430175	2012	4	21	8	V	18.3	4	1.25	199
401430175	2012	4	21	9	V	14.7	5	1.65	198
401430175	2012	4	21	10	V	9.1	3	1.16	218
401430175	2012	4	21	11	V	8.4	1	1.6	232
401430175	2012	4	21	12	V	7.3	1	1.49	196
401430175	2012	4	21	13	V	8.7	4	1.86	231
401430175	2012	4	21	14	V	10.0	2	1.94	212
401430175	2012	4	21	15	V	2.9	2	1.81	311
401430175	2012	4	21	16	V	3.5	3	1.54	327
401430175	2012	4	21	17	V	9.6	1	1.43	238
401430175	2012	4	21	18	V	5.3	0	1.88	257
401430175	2012	4	21	19	V	1.6	0	1.3	299
401430175	2012	4	21	20	V	3.8	0	0.82	309
401430175	2012	4	21	21	V	11.1	0	0.57	249
401430175	2012	4	21	22	V	3.0	0	0.92	248
401430175	2012	4	21	23	V	3.9	1	0.7	253
401430175	2012	4	21	24	V	10.9	1	1.01	237
401430175	2012	4	22	1	V	10.0	1	0.65	246
401430175	2012	4	22	2	V	39.3	0	0.67	224
401430175	2012	4	22	3	C	-999	0	0	0
401430175	2012	4	22	4	C	-999	0	0	0
401430175	2012	4	22	5	V	4.2	0	0.62	339
401430175	2012	4	22	6	V	0.5	0	3.1	355

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	22	7	V	1.2	0	5.09	8
401430175	2012	4	22	8	V	4.0	0	5.38	9
401430175	2012	4	22	9	V	1.4	0	5.43	4
401430175	2012	4	22	10	V	2.5	0	6.4	358
401430175	2012	4	22	11	V	2.1	0	6.13	357
401430175	2012	4	22	12	V	2.4	0	5.45	349
401430175	2012	4	22	13	V	2.6	0	5.53	351
401430175	2012	4	22	14	V	2.5	0	6.18	1
401430175	2012	4	22	15	V	1.9	0	5.77	355
401430175	2012	4	22	16	V	2.2	0	5.75	359
401430175	2012	4	22	17	V	3.8	0	5.17	358
401430175	2012	4	22	18	V	3.8	0	4.76	360
401430175	2012	4	22	19	V	1.5	0	4.32	6
401430175	2012	4	22	20	V	2.9	0	2.33	358
401430175	2012	4	22	21	V	2.7	0	1.71	347
401430175	2012	4	22	22	V	1.4	0	1.81	4
401430175	2012	4	22	23	V	1.3	0	1.2	341
401430175	2012	4	22	24	V	2.2	0	0.89	286
401430175	2012	4	23	1	V	3.3	0	0.7	273
401430175	2012	4	23	2	C	-999	0	0	0
401430175	2012	4	23	3	V	5.5	0	0.6	254
401430175	2012	4	23	4	V	2.3	0	0.69	314
401430175	2012	4	23	5	V	37.1	0	0.65	227
401430175	2012	4	23	6	C	-999	0	0	0
401430175	2012	4	23	7	C	-999	1	0	0
401430175	2012	4	23	8	V	6.1	0	1.13	57
401430175	2012	4	23	9	V	2.7	0	1.54	52
401430175	2012	4	23	10	V	3.7	0	2.37	39
401430175	2012	4	23	11	V	2.6	0	3.54	34
401430175	2012	4	23	12	V	3.1	0	2.66	31
401430175	2012	4	23	13	V	3.0	0	2.57	347
401430175	2012	4	23	14	V	3.6	0	1.87	346
401430175	2012	4	23	15	V	2.7	0	2.74	41
401430175	2012	4	23	16	V	2.7	0	2.38	355
401430175	2012	4	23	17	V	4.4	0	2.06	340
401430175	2012	4	23	18	V	5.4	0	1.04	304
401430175	2012	4	23	19	V	1.7	0	1.3	247
401430175	2012	4	23	20	V	4.4	0	0.72	264
401430175	2012	4	23	21	C	-999	0	0	0
401430175	2012	4	23	22	V	23.1	0	0.72	235
401430175	2012	4	23	23	V	5.0	0	0.67	252
401430175	2012	4	23	24	V	11.9	1	0.69	243
401430175	2012	4	24	1	V	5.5	0	0.53	267
401430175	2012	4	24	2	V	3.5	0	0.62	268
401430175	2012	4	24	3	V	8.9	3	0.62	247
401430175	2012	4	24	4	V	29.4	3	0.91	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	24	5	V	7.5	5	1.28	197
401430175	2012	4	24	6	V	8.0	6	1.01	191
401430175	2012	4	24	7	V	6.5	8	1.47	182
401430175	2012	4	24	8	V	10.6	12	2.37	190
401430175	2012	4	24	9	V	5.9	14	4.07	185
401430175	2012	4	24	10	V	8.8	20	4.82	194
401430175	2012	4	24	11	V	6.2	20	5.85	188
401430175	2012	4	24	12	V	7.8	17	6.19	193
401430175	2012	4	24	13	V	7.2	16	6.18	190
401430175	2012	4	24	14	V	11.8	20	6.3	202
401430175	2012	4	24	15	V	12.8	24	6.46	205
401430175	2012	4	24	16	V	15.5	22	6.07	208
401430175	2012	4	24	17	V	17.6	15	6.36	212
401430175	2012	4	24	18	V	17.0	17	5.63	207
401430175	2012	4	24	19	V	2.6	8	3.57	202
401430175	2012	4	24	20	V	3.7	6	3.15	187
401430175	2012	4	24	21	V	3.6	7	4.03	187
401430175	2012	4	24	22	V	2.0	2	3.68	195
401430175	2012	4	24	23	V	1.6	3	4.24	196
401430175	2012	4	24	24	V	2.2	10	4.82	192
401430175	2012	4	25	1	V	1.8	20	4.22	192
401430175	2012	4	25	2	V	1.3	27	2.44	194
401430175	2012	4	25	3	V	6.2	25	3.12	173
401430175	2012	4	25	4	V	0.5	5	3.1	141
401430175	2012	4	25	5	V	1.5	1	3.32	150
401430175	2012	4	25	6	V	4.7	2	3.34	166
401430175	2012	4	25	7	V	7.2	9	4.15	171
401430175	2012	4	25	8	V	9.3	18	3.2	170
401430175	2012	4	25	9	V	6.0	9	4.58	183
401430175	2012	4	25	10	V	16.6	26	5.16	209
401430175	2012	4	25	11	V	15.1	20	5.33	208
401430175	2012	4	25	12	V	13.8	26	5.07	205
401430175	2012	4	25	13	V	15.5	6	5.14	208
401430175	2012	4	25	14	V	16.6	13	4.65	217
401430175	2012	4	25	15	V	14.3	33	4.7	206
401430175	2012	4	25	16	V	11.9	35	5.12	201
401430175	2012	4	25	17	V	9.6	23	5.22	192
401430175	2012	4	25	18	V	8.8	12	4.77	190
401430175	2012	4	25	19	V	3.1	4	2.78	187
401430175	2012	4	25	20	V	3.5	4	1.93	188
401430175	2012	4	25	21	V	14.5	2	1.04	200
401430175	2012	4	25	22	V	25.1	3	0.79	206
401430175	2012	4	25	23	V	18.5	3	0.62	179
401430175	2012	4	25	24	C	-999	8	0	0
401430175	2012	4	26	1	C	-999	3	0	0
401430175	2012	4	26	2	V	4.4	1	0.57	304

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	26	3	V	4.0	1	0.55	274
401430175	2012	4	26	4	V	0.9	0	1.09	336
401430175	2012	4	26	5	V	1.5	0	1.43	7
401430175	2012	4	26	6	C	-999	1	0	0
401430175	2012	4	26	7	V	2.0	1	0.91	276
401430175	2012	4	26	8	V	5.9	0	1.28	20
401430175	2012	4	26	9	V	4.4	0	1.26	75
401430175	2012	4	26	10	V	2.9	1	2.52	107
401430175	2012	4	26	11	V	2.2	1	3.71	83
401430175	2012	4	26	12	V	2.5	1	4.31	85
401430175	2012	4	26	13	V	2.5	1	5.09	86
401430175	2012	4	26	14	V	2.6	1	4.97	85
401430175	2012	4	26	15	V	2.0	1	4.78	72
401430175	2012	4	26	16	V	2.2	1	4.82	72
401430175	2012	4	26	17	V	3.8	1	5.29	81
401430175	2012	4	26	18	V	3.8	0	4.99	71
401430175	2012	4	26	19	V	1.6	1	4.75	75
401430175	2012	4	26	20	V	2.9	0	4.2	73
401430175	2012	4	26	21	V	2.7	0	4.63	83
401430175	2012	4	26	22	V	1.4	0	3.44	129
401430175	2012	4	26	23	V	1.2	0	1.33	144
401430175	2012	4	26	24	V	1.6	0	1.42	78
401430175	2012	4	27	1	V	1.3	0	2.76	91
401430175	2012	4	27	2	V	0.9	0	3.68	117
401430175	2012	4	27	3	V	0.5	0	2.89	125
401430175	2012	4	27	4	V	0.6	1	3.49	111
401430175	2012	4	27	5	V	1.4	1	3.95	111
401430175	2012	4	27	6	V	0.5	1	5.09	129
401430175	2012	4	27	7	V	1.9	1	4.12	153
401430175	2012	4	27	8	V	4.1	1	5.19	148
401430175	2012	4	27	9	V	4.2	1	6.31	161
401430175	2012	4	27	10	V	6.8	4	7.67	165
401430175	2012	4	27	11	V	6.2	-999	8.33	166
401430175	2012	4	27	12	V	7.3	-999	9.97	172
401430175	2012	4	27	13	V	7.4	20	8.57	177
401430175	2012	4	27	14	V	5.5	15	9.05	186
401430175	2012	4	27	15	V	5.7	20	9	180
401430175	2012	4	27	16	V	5.1	8	9.15	184
401430175	2012	4	27	17	V	6.9	8	8.57	183
401430175	2012	4	27	18	V	7.2	8	7.99	182
401430175	2012	4	27	19	V	8.6	12	6.45	177
401430175	2012	4	27	20	V	7.3	15	4.1	174
401430175	2012	4	27	21	V	4.5	18	3.32	183
401430175	2012	4	27	22	V	7.2	37	3.22	171
401430175	2012	4	27	23	V	5.2	35	3.81	168
401430175	2012	4	27	24	V	4.8	30	3.27	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	28	1	V	1.7	11	2.66	159
401430175	2012	4	28	2	V	1.0	2	2.52	156
401430175	2012	4	28	3	V	2.3	1	3.13	161
401430175	2012	4	28	4	V	4.3	1	3.44	164
401430175	2012	4	28	5	V	5.8	2	4.03	166
401430175	2012	4	28	6	V	4.6	2	4.07	165
401430175	2012	4	28	7	V	6.2	1	3.88	165
401430175	2012	4	28	8	V	9.2	2	3.39	166
401430175	2012	4	28	9	V	5.0	1	3.49	161
401430175	2012	4	28	10	V	10.3	9	4.7	172
401430175	2012	4	28	11	V	6.6	16	5.41	181
401430175	2012	4	28	12	V	9.5	10	5.22	173
401430175	2012	4	28	13	V	6.3	12	5.58	183
401430175	2012	4	28	14	V	7.5	11	4.71	181
401430175	2012	4	28	15	V	8.9	7	5.22	174
401430175	2012	4	28	16	V	8.8	8	5.24	172
401430175	2012	4	28	17	V	9.6	8	3.9	165
401430175	2012	4	28	18	V	6.3	1	3.75	159
401430175	2012	4	28	19	V	3.0	0	2.88	155
401430175	2012	4	28	20	V	2.9	0	2.95	130
401430175	2012	4	28	21	V	2.8	0	2.81	103
401430175	2012	4	28	22	V	1.5	1	3.12	111
401430175	2012	4	28	23	V	1.1	1	2.25	84
401430175	2012	4	28	24	V	1.5	1	2.89	136
401430175	2012	4	29	1	V	1.3	1	3.06	136
401430175	2012	4	29	2	V	1.0	0	2.96	153
401430175	2012	4	29	3	V	1.0	2	3.49	155
401430175	2012	4	29	4	V	9.3	6	2.4	212
401430175	2012	4	29	5	V	5.0	3	0.82	155
401430175	2012	4	29	6	V	0.6	0	1.55	79
401430175	2012	4	29	7	V	1.6	0	3.18	150
401430175	2012	4	29	8	V	11.1	16	3.98	177
401430175	2012	4	29	9	V	7.2	4	3.59	181
401430175	2012	4	29	10	V	7.5	10	4.8	182
401430175	2012	4	29	11	V	6.3	8	5.6	182
401430175	2012	4	29	12	V	6.1	2	5.58	188
401430175	2012	4	29	13	V	7.6	5	4.27	183
401430175	2012	4	29	14	V	8.4	14	4.48	179
401430175	2012	4	29	15	V	6.9	12	5.33	180
401430175	2012	4	29	16	V	7.2	3	5.11	188
401430175	2012	4	29	17	V	8.4	4	4.99	186
401430175	2012	4	29	18	V	10.6	11	3.93	172
401430175	2012	4	29	19	V	7.1	12	3.66	175
401430175	2012	4	29	20	V	8.8	18	3.34	170
401430175	2012	4	29	21	V	6.6	21	3.18	163
401430175	2012	4	29	22	V	6.5	15	4.17	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	4	29	23	V	7.4	14	2.15	169
401430175	2012	4	29	24	V	1.5	10	1.76	153
401430175	2012	4	30	1	V	2.7	5	2.01	161
401430175	2012	4	30	2	V	0.9	1	1.89	1
401430175	2012	4	30	3	V	3.1	0	2.42	48
401430175	2012	4	30	4	V	0.6	0	5.38	3
401430175	2012	4	30	5	V	4.3	0	3.68	42
401430175	2012	4	30	6	V	0.5	0	2.95	106
401430175	2012	4	30	7	V	1.4	0	2.5	143
401430175	2012	4	30	8	V	8.4	0	2.52	162
401430175	2012	4	30	9	V	7.3	1	2.4	172
401430175	2012	4	30	10	V	8.7	0	2.66	179
401430175	2012	4	30	11	V	5.2	1	2.95	159
401430175	2012	4	30	12	V	7.5	2	2.96	178
401430175	2012	4	30	13	V	8.3	1	3.49	177
401430175	2012	4	30	14	V	8.4	3	4.17	178
401430175	2012	4	30	15	V	7.1	2	4.19	176
401430175	2012	4	30	16	V	7.7	9	5.21	175
401430175	2012	4	30	17	V	9.4	12	4.97	169
401430175	2012	4	30	18	V	9.2	13	4.83	165
401430175	2012	4	30	19	V	1.9	2	4.19	154
401430175	2012	4	30	20	V	3.0	0	4.95	148
401430175	2012	4	30	21	V	8.8	8	5.36	169
401430175	2012	4	30	22	V	7.2	7	5.05	169
401430175	2012	4	30	23	V	6.0	16	4.41	169
401430175	2012	4	30	24	V	8.3	7	6.77	197
401430175	2012	5	1	1	V	2.9	8	5.31	202
401430175	2012	5	1	2	V	5.5	16	6.36	197
401430175	2012	5	1	3	V	4.4	10	6.74	183
401430175	2012	5	1	4	V	8.1	1	6.58	208
401430175	2012	5	1	5	V	4.4	4	4.08	165
401430175	2012	5	1	6	V	3.8	2	4.17	165
401430175	2012	5	1	7	V	4.4	8	7.28	182
401430175	2012	5	1	8	V	7.1	14	6.94	185
401430175	2012	5	1	9	V	4.6	15	7.42	184
401430175	2012	5	1	10	V	5.9	3	7.21	188
401430175	2012	5	1	11	V	5.1	7	8.39	186
401430175	2012	5	1	12	V	5.0	5	8.47	186
401430175	2012	5	1	13	V	5.5	6	7.83	185
401430175	2012	5	1	14	V	6.6	8	7.71	180
401430175	2012	5	1	15	V	6.0	17	8.73	178
401430175	2012	5	1	16	V	6.0	7	8.18	185
401430175	2012	5	1	17	V	7.6	9	8.25	187
401430175	2012	5	1	18	V	8.2	17	7.23	181
401430175	2012	5	1	19	V	7.6	14	5.89	177
401430175	2012	5	1	20	V	6.5	39	4.07	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	1	21	V	7.3	49	4.22	169
401430175	2012	5	1	22	V	7.2	25	5.43	170
401430175	2012	5	1	23	V	5.7	24	5.33	166
401430175	2012	5	1	24	V	6.6	17	4.92	169
401430175	2012	5	2	1	V	7.3	32	5.67	174
401430175	2012	5	2	2	V	4.8	5	5.72	180
401430175	2012	5	2	3	V	4.7	10	5.55	179
401430175	2012	5	2	4	V	5.1	8	5.94	179
401430175	2012	5	2	5	V	6.7	6	6.26	178
401430175	2012	5	2	6	V	6.2	17	5.43	174
401430175	2012	5	2	7	V	6.6	12	6.11	175
401430175	2012	5	2	8	V	9.5	9	7.23	176
401430175	2012	5	2	9	V	5.7	10	6.99	179
401430175	2012	5	2	10	V	5.9	14	7.65	185
401430175	2012	5	2	11	V	5.5	8	7.94	185
401430175	2012	5	2	12	V	5.9	4	8.06	185
401430175	2012	5	2	13	V	6.8	-999	7.59	190
401430175	2012	5	2	14	V	5.7	-999	7.21	187
401430175	2012	5	2	15	V	7.8	11	7.11	171
401430175	2012	5	2	16	V	8.4	14	6.84	172
401430175	2012	5	2	17	V	10.5	21	6.41	172
401430175	2012	5	2	18	V	10.9	21	6.52	171
401430175	2012	5	2	19	V	8.0	9	5.92	167
401430175	2012	5	2	20	V	7.7	4	5.16	167
401430175	2012	5	2	21	V	5.6	2	4.32	163
401430175	2012	5	2	22	V	4.3	0	4.9	162
401430175	2012	5	2	23	V	5.5	1	5.62	165
401430175	2012	5	2	24	V	6.3	11	5.6	166
401430175	2012	5	3	1	V	5.9	22	4.2	173
401430175	2012	5	3	2	V	5.5	4	3.68	174
401430175	2012	5	3	3	V	3.3	8	2.67	165
401430175	2012	5	3	4	V	5.8	19	3.05	169
401430175	2012	5	3	5	V	6.8	11	2.54	169
401430175	2012	5	3	6	V	3.9	8	2.86	165
401430175	2012	5	3	7	V	6.6	3	3.18	167
401430175	2012	5	3	8	V	8.7	20	4.56	170
401430175	2012	5	3	9	V	5.1	10	6.28	183
401430175	2012	5	3	10	V	6.3	11	7.13	182
401430175	2012	5	3	11	V	5.9	9	7.43	183
401430175	2012	5	3	12	V	6.2	6	7.81	187
401430175	2012	5	3	13	V	7.4	6	7.84	193
401430175	2012	5	3	14	V	7.9	7	7.64	194
401430175	2012	5	3	15	V	6.6	13	7.01	189
401430175	2012	5	3	16	V	6.7	13	6.79	185
401430175	2012	5	3	17	V	8.0	6	7.38	185
401430175	2012	5	3	18	V	9.3	6	6.12	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	3	19	V	3.3	11	3.86	158
401430175	2012	5	3	20	V	7.8	17	4.36	170
401430175	2012	5	3	21	V	7.0	48	4.36	167
401430175	2012	5	3	22	V	5.9	47	3.51	167
401430175	2012	5	3	23	V	1.4	3	2.84	156
401430175	2012	5	3	24	V	5.2	1	3.68	166
401430175	2012	5	4	1	V	3.9	2	3.91	163
401430175	2012	5	4	2	V	6.1	13	3.25	169
401430175	2012	5	4	3	V	4.3	36	2.81	166
401430175	2012	5	4	4	V	1.2	21	2.62	183
401430175	2012	5	4	5	V	2.0	4	2.72	183
401430175	2012	5	4	6	V	2.0	3	3.97	184
401430175	2012	5	4	7	V	6.4	13	4.02	178
401430175	2012	5	4	8	V	7.8	11	5.19	185
401430175	2012	5	4	9	V	6.1	21	6.43	192
401430175	2012	5	4	10	V	6.5	11	6.06	185
401430175	2012	5	4	11	V	6.4	10	6.14	188
401430175	2012	5	4	12	V	6.8	6	5.51	183
401430175	2012	5	4	13	V	7.2	9	5.89	184
401430175	2012	5	4	14	V	7.7	21	4.2	183
401430175	2012	5	4	15	V	4.7	10	6.64	161
401430175	2012	5	4	16	V	8.5	8	3.52	187
401430175	2012	5	4	17	V	8.8	8	4.63	173
401430175	2012	5	4	18	V	4.9	2	4.03	149
401430175	2012	5	4	19	V	4.9	0	4.49	162
401430175	2012	5	4	20	V	7.3	14	4.22	168
401430175	2012	5	4	21	V	4.9	24	4.29	161
401430175	2012	5	4	22	V	5.5	13	4.15	167
401430175	2012	5	4	23	V	3.1	11	3.57	161
401430175	2012	5	4	24	V	2.3	1	3.3	157
401430175	2012	5	5	1	V	1.3	0	2.69	147
401430175	2012	5	5	2	V	9.1	1	1.57	177
401430175	2012	5	5	3	V	32.1	1	0.55	206
401430175	2012	5	5	4	V	16.8	0	1.16	174
401430175	2012	5	5	5	V	7.5	0	1.91	167
401430175	2012	5	5	6	V	1.6	0	1.65	159
401430175	2012	5	5	7	V	5.5	0	2.25	162
401430175	2012	5	5	8	V	8.5	0	3.54	169
401430175	2012	5	5	9	V	6.8	21	3.81	174
401430175	2012	5	5	10	V	7.0	15	5.48	180
401430175	2012	5	5	11	V	6.4	20	6.23	174
401430175	2012	5	5	12	V	4.6	2	6.35	159
401430175	2012	5	5	13	V	5.0	5	7.3	161
401430175	2012	5	5	14	V	6.3	17	7.09	167
401430175	2012	5	5	15	V	5.6	6	7.06	166
401430175	2012	5	5	16	V	4.3	11	5.97	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	5	17	V	6.0	1	5.8	157
401430175	2012	5	5	18	V	6.8	2	5.1	159
401430175	2012	5	5	19	V	4.5	2	4.29	161
401430175	2012	5	5	20	V	2.9	0	3.74	144
401430175	2012	5	5	21	V	3.0	0	3.86	153
401430175	2012	5	5	22	V	4.2	1	3.39	163
401430175	2012	5	5	23	V	3.7	5	2.96	180
401430175	2012	5	5	24	V	7.3	21	2.88	171
401430175	2012	5	6	1	V	6.6	17	3.05	169
401430175	2012	5	6	2	V	1.3	6	2.93	156
401430175	2012	5	6	3	V	1.8	2	3.01	160
401430175	2012	5	6	4	V	2.7	1	2.71	164
401430175	2012	5	6	5	V	1.6	1	2.95	153
401430175	2012	5	6	6	V	2.9	0	3.17	162
401430175	2012	5	6	7	V	4.6	0	4.22	162
401430175	2012	5	6	8	V	9.7	1	4.76	166
401430175	2012	5	6	9	V	7.0	4	5.04	166
401430175	2012	5	6	10	V	8.2	16	6.02	170
401430175	2012	5	6	11	V	6.3	2	6.64	168
401430175	2012	5	6	12	V	6.5	19	5.65	172
401430175	2012	5	6	13	V	7.3	10	4.82	185
401430175	2012	5	6	14	V	5.8	8	5.1	165
401430175	2012	5	6	15	V	3.3	3	4.42	151
401430175	2012	5	6	16	V	4.8	2	5.05	159
401430175	2012	5	6	17	V	8.6	6	4.88	170
401430175	2012	5	6	18	V	7.2	2	3.81	159
401430175	2012	5	6	19	V	1.7	2	3	147
401430175	2012	5	6	20	V	4.0	0	2.5	161
401430175	2012	5	6	21	V	9.2	7	1.77	177
401430175	2012	5	6	22	V	7.5	5	1.74	166
401430175	2012	5	6	23	V	21.5	5	1.06	212
401430175	2012	5	6	24	V	4.1	6	0.63	348
401430175	2012	5	7	1	V	2.9	2	0.7	329
401430175	2012	5	7	2	V	1.6	2	0.89	314
401430175	2012	5	7	3	V	1.4	1	0.84	96
401430175	2012	5	7	4	V	0.6	0	3.52	82
401430175	2012	5	7	5	V	1.5	0	3.78	14
401430175	2012	5	7	6	V	0.6	0	4.8	15
401430175	2012	5	7	7	V	1.1	0	4.58	15
401430175	2012	5	7	8	V	4.0	0	4.32	22
401430175	2012	5	7	9	V	2.5	0	4.44	37
401430175	2012	5	7	10	V	2.5	0	4.42	12
401430175	2012	5	7	11	V	2.0	0	5	19
401430175	2012	5	7	12	V	2.3	0	5.6	19
401430175	2012	5	7	13	V	2.5	0	4.2	4
401430175	2012	5	7	14	V	2.5	0	4.95	3

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	7	15	V	1.8	0	5.33	7
401430175	2012	5	7	16	V	2.1	0	6.31	9
401430175	2012	5	7	17	V	3.7	0	5.34	7
401430175	2012	5	7	18	V	3.8	0	4.27	360
401430175	2012	5	7	19	V	1.6	0	4.97	1
401430175	2012	5	7	20	V	3.0	0	4.14	1
401430175	2012	5	7	21	V	2.7	0	3.49	6
401430175	2012	5	7	22	V	1.4	0	2.55	4
401430175	2012	5	7	23	V	1.1	0	1.99	5
401430175	2012	5	7	24	V	1.5	0	1.82	22
401430175	2012	5	8	1	V	1.3	0	2.05	355
401430175	2012	5	8	2	V	0.9	0	3.07	5
401430175	2012	5	8	3	V	0.5	0	3.95	8
401430175	2012	5	8	4	V	0.6	0	4.27	13
401430175	2012	5	8	5	V	1.4	0	2.96	14
401430175	2012	5	8	6	V	0.5	0	2.37	16
401430175	2012	5	8	7	V	1.4	0	2.35	4
401430175	2012	5	8	8	V	4.1	0	3.71	9
401430175	2012	5	8	9	V	1.6	1	2.89	4
401430175	2012	5	8	10	V	3.1	2	2.71	23
401430175	2012	5	8	11	V	2.4	-999	3.37	21
401430175	2012	5	8	12	V	2.8	4	3.64	27
401430175	2012	5	8	13	V	2.7	4	3.49	20
401430175	2012	5	8	14	V	2.7	0	4.25	10
401430175	2012	5	8	15	V	2.1	0	4.08	2
401430175	2012	5	8	16	V	2.6	0	3.29	1
401430175	2012	5	8	17	V	4.2	0	3.18	2
401430175	2012	5	8	18	V	4.4	0	2.45	360
401430175	2012	5	8	19	V	1.6	0	1.94	2
401430175	2012	5	8	20	V	3.6	0	0.79	331
401430175	2012	5	8	21	V	10.1	0	0.57	250
401430175	2012	5	8	22	V	36.8	0	0.53	224
401430175	2012	5	8	23	V	28.2	0	0.53	233
401430175	2012	5	8	24	V	18.8	0	0.55	180
401430175	2012	5	9	1	V	40.0	0	0.6	219
401430175	2012	5	9	2	V	4.5	0	0.53	132
401430175	2012	5	9	3	C	-999	0	0	0
401430175	2012	5	9	4	V	20.3	0	0.65	237
401430175	2012	5	9	5	V	26.5	0	0.7	233
401430175	2012	5	9	6	V	14.0	0	0.77	196
401430175	2012	5	9	7	V	3.5	0	0.75	278
401430175	2012	5	9	8	V	6.0	0	1.33	326
401430175	2012	5	9	9	V	2.4	1	1.79	306
401430175	2012	5	9	10	V	3.1	0	2.91	3
401430175	2012	5	9	11	V	2.8	0	2.96	12
401430175	2012	5	9	12	V	3.3	0	2.78	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	9	13	V	3.6	0	2.55	346
401430175	2012	5	9	14	V	3.1	0	3.49	8
401430175	2012	5	9	15	V	2.5	0	3.32	2
401430175	2012	5	9	16	V	3.0	0	2.86	360
401430175	2012	5	9	17	V	4.7	0	2.62	352
401430175	2012	5	9	18	V	4.4	0	2.73	14
401430175	2012	5	9	19	V	1.6	0	2.4	25
401430175	2012	5	9	20	V	3.0	0	1.48	32
401430175	2012	5	9	21	V	4.1	1	0.75	341
401430175	2012	5	9	22	V	4.0	1	0.63	273
401430175	2012	5	9	23	V	3.0	1	0.82	250
401430175	2012	5	9	24	V	4.6	1	0.58	282
401430175	2012	5	10	1	V	7.3	1	0.52	255
401430175	2012	5	10	2	C	-999	1	0	0
401430175	2012	5	10	3	C	-999	1	0	0
401430175	2012	5	10	4	C	-999	1	0	0
401430175	2012	5	10	5	V	4.7	1	0.57	280
401430175	2012	5	10	6	C	-999	1	0	0
401430175	2012	5	10	7	C	-999	1	0	0
401430175	2012	5	10	8	V	11.2	0	1.45	171
401430175	2012	5	10	9	V	6.4	0	3.18	172
401430175	2012	5	10	10	V	6.5	1	3.35	172
401430175	2012	5	10	11	V	5.6	4	2.83	172
401430175	2012	5	10	12	V	5.6	2	2.42	174
401430175	2012	5	10	13	V	5.1	1	2.44	165
401430175	2012	5	10	14	V	6.0	1	3.34	170
401430175	2012	5	10	15	V	5.6	3	3.68	170
401430175	2012	5	10	16	V	5.4	3	3.88	164
401430175	2012	5	10	17	V	6.5	2	4.54	157
401430175	2012	5	10	18	V	7.2	2	3.98	159
401430175	2012	5	10	19	V	1.8	0	3.17	149
401430175	2012	5	10	20	V	2.9	0	2.67	134
401430175	2012	5	10	21	V	2.7	0	2.1	127
401430175	2012	5	10	22	V	1.5	0	1.57	142
401430175	2012	5	10	23	V	2.8	0	0.69	265
401430175	2012	5	10	24	V	29.1	2	1.11	227
401430175	2012	5	11	1	C	-999	2	0	0
401430175	2012	5	11	2	V	4.8	0	0.52	293
401430175	2012	5	11	3	V	4.6	0	0.52	306
401430175	2012	5	11	4	C	-999	0	0	0
401430175	2012	5	11	5	V	1.5	0	1.52	96
401430175	2012	5	11	6	V	0.5	1	2.5	126
401430175	2012	5	11	7	V	1.3	2	2.59	123
401430175	2012	5	11	8	V	4.2	4	3.25	120
401430175	2012	5	11	9	V	1.9	4	2.62	116
401430175	2012	5	11	10	V	3.5	4	2.49	123

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	11	11	V	2.6	3	2.79	107
401430175	2012	5	11	12	V	3.3	4	3.76	146
401430175	2012	5	11	13	V	7.9	2	3.66	172
401430175	2012	5	11	14	V	4.4	1	1.38	34
401430175	2012	5	11	15	V	3.8	3	1.26	353
401430175	2012	5	11	16	V	2.8	0	2.56	31
401430175	2012	5	11	17	V	4.0	0	2.83	22
401430175	2012	5	11	18	V	4.0	0	2.45	10
401430175	2012	5	11	19	V	1.6	0	2.35	359
401430175	2012	5	11	20	V	2.9	0	2.05	7
401430175	2012	5	11	21	V	2.8	1	2.59	22
401430175	2012	5	11	22	V	3.0	0	2.66	49
401430175	2012	5	11	23	V	1.1	0	2.96	99
401430175	2012	5	11	24	V	1.5	0	2.32	111
401430175	2012	5	12	1	V	1.4	0	1.43	119
401430175	2012	5	12	2	V	1.1	0	1.26	356
401430175	2012	5	12	3	V	1.2	0	1.06	35
401430175	2012	5	12	4	V	0.8	0	1.23	3
401430175	2012	5	12	5	V	1.6	0	1.23	13
401430175	2012	5	12	6	V	1.0	0	1.01	2
401430175	2012	5	12	7	V	2.9	0	0.74	333
401430175	2012	5	12	8	V	4.4	0	2.23	5
401430175	2012	5	12	9	V	1.9	0	2.52	7
401430175	2012	5	12	10	V	3.2	1	2.39	360
401430175	2012	5	12	11	V	2.7	1	2.54	8
401430175	2012	5	12	12	V	2.9	0	2.18	357
401430175	2012	5	12	13	V	3.1	0	2.11	331
401430175	2012	5	12	14	V	3.1	0	2.08	338
401430175	2012	5	12	15	V	2.3	0	2.33	341
401430175	2012	5	12	16	V	2.4	0	2.62	342
401430175	2012	5	12	17	V	4.3	0	1.91	337
401430175	2012	5	12	18	V	4.1	0	1.91	340
401430175	2012	5	12	19	V	1.7	0	1.96	354
401430175	2012	5	12	20	V	3.0	0	2.4	359
401430175	2012	5	12	21	V	2.7	0	2.21	359
401430175	2012	5	12	22	V	1.4	0	1.91	355
401430175	2012	5	12	23	V	1.1	0	1.89	357
401430175	2012	5	12	24	V	1.5	0	1.94	351
401430175	2012	5	13	1	V	1.3	0	1.84	353
401430175	2012	5	13	2	V	0.9	0	3	5
401430175	2012	5	13	3	V	0.5	0	3.39	4
401430175	2012	5	13	4	V	0.6	0	3.54	6
401430175	2012	5	13	5	V	1.4	0	3.59	2
401430175	2012	5	13	6	V	0.6	0	4.19	9
401430175	2012	5	13	7	V	1.2	0	3.78	18
401430175	2012	5	13	8	V	4.4	0	2.59	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	13	9	V	1.9	0	2.45	10
401430175	2012	5	13	10	V	3.5	4	2.18	339
401430175	2012	5	13	11	V	2.4	0	3.05	359
401430175	2012	5	13	12	V	2.9	0	3.08	1
401430175	2012	5	13	13	V	3.0	0	3.47	5
401430175	2012	5	13	14	V	2.9	0	3.61	3
401430175	2012	5	13	15	V	2.3	0	3.98	7
401430175	2012	5	13	16	V	2.6	0	3.8	15
401430175	2012	5	13	17	V	4.1	0	3.88	21
401430175	2012	5	13	18	V	4.1	0	3.64	14
401430175	2012	5	13	19	V	1.6	0	3.08	9
401430175	2012	5	13	20	V	3.0	0	1.55	356
401430175	2012	5	13	21	V	3.4	0	0.82	339
401430175	2012	5	13	22	V	2.7	0	0.75	328
401430175	2012	5	13	23	C	-999	0	0	0
401430175	2012	5	13	24	C	-999	0	0	0
401430175	2012	5	14	1	V	11.4	0	0.6	246
401430175	2012	5	14	2	C	-999	0	0	0
401430175	2012	5	14	3	C	-999	0	0	0
401430175	2012	5	14	4	V	34.2	0	0.53	211
401430175	2012	5	14	5	C	-999	0	0	0
401430175	2012	5	14	6	V	27.7	0	0.62	233
401430175	2012	5	14	7	V	4.4	1	0.72	331
401430175	2012	5	14	8	V	5.8	0	1.71	26
401430175	2012	5	14	9	V	2.6	1	1.82	9
401430175	2012	5	14	10	V	3.3	1	2.56	12
401430175	2012	5	14	11	V	2.8	2	2.86	18
401430175	2012	5	14	12	V	3.0	0	3.27	13
401430175	2012	5	14	13	V	3.0	0	3.88	17
401430175	2012	5	14	14	V	3.2	0	3.3	6
401430175	2012	5	14	15	V	2.7	0	3.13	16
401430175	2012	5	14	16	V	2.7	0	3.81	23
401430175	2012	5	14	17	V	4.4	0	3.17	10
401430175	2012	5	14	18	V	4.7	0	2.38	19
401430175	2012	5	14	19	V	1.8	0	1.94	13
401430175	2012	5	14	20	V	3.3	0	0.99	350
401430175	2012	5	14	21	V	4.6	0	0.69	292
401430175	2012	5	14	22	C	-999	0	0	0
401430175	2012	5	14	23	C	-999	0	0	0
401430175	2012	5	14	24	C	-999	0	0	0
401430175	2012	5	15	1	V	5.9	0	0.55	258
401430175	2012	5	15	2	V	4.8	0	0.52	275
401430175	2012	5	15	3	V	4.9	0	0.69	249
401430175	2012	5	15	4	V	28.0	0	0.57	233
401430175	2012	5	15	5	V	4.8	0	0.58	304
401430175	2012	5	15	6	V	2.5	0	0.75	253

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	15	7	C	-999	1	0	0
401430175	2012	5	15	8	V	10.2	3	0.6	191
401430175	2012	5	15	9	V	3.9	3	1.45	158
401430175	2012	5	15	10	V	4.3	0	1.82	128
401430175	2012	5	15	11	V	3.9	8	1.55	192
401430175	2012	5	15	12	V	4.1	12	1.67	235
401430175	2012	5	15	13	V	4.3	3	1.84	54
401430175	2012	5	15	14	V	4.0	1	2.33	37
401430175	2012	5	15	15	V	3.4	1	2.44	24
401430175	2012	5	15	16	V	4.3	1	1.84	50
401430175	2012	5	15	17	V	6.1	1	1.64	11
401430175	2012	5	15	18	V	6.5	1	1.3	339
401430175	2012	5	15	19	V	1.6	1	2.61	145
401430175	2012	5	15	20	V	5.0	2	1.65	183
401430175	2012	5	15	21	V	7.2	2	0.53	258
401430175	2012	5	15	22	V	12.3	1	0.67	243
401430175	2012	5	15	23	V	7.3	1	0.55	253
401430175	2012	5	15	24	V	3.2	1	0.72	259
401430175	2012	5	16	1	V	10.0	1	0.58	248
401430175	2012	5	16	2	V	27.4	1	0.8	211
401430175	2012	5	16	3	V	12.8	1	0.79	185
401430175	2012	5	16	4	C	-999	0	0	0
401430175	2012	5	16	5	C	-999	0	0	0
401430175	2012	5	16	6	V	21.3	0	0.55	238
401430175	2012	5	16	7	C	-999	1	0	0
401430175	2012	5	16	8	V	14.1	2	0.7	160
401430175	2012	5	16	9	V	13.9	5	1.79	216
401430175	2012	5	16	10	V	9.9	7	2.11	215
401430175	2012	5	16	11	V	6.3	3	2.18	190
401430175	2012	5	16	12	V	5.8	5	2.06	197
401430175	2012	5	16	13	V	5.1	7	1.98	180
401430175	2012	5	16	14	V	6.5	4	2.4	184
401430175	2012	5	16	15	V	5.1	6	2.11	209
401430175	2012	5	16	16	V	5.1	5	1.94	198
401430175	2012	5	16	17	V	8.9	3	2.05	232
401430175	2012	5	16	18	V	13.6	1	2.15	212
401430175	2012	5	16	19	V	5.4	2	3.07	184
401430175	2012	5	16	20	V	4.9	5	1.77	201
401430175	2012	5	16	21	V	33.7	2	0.87	228
401430175	2012	5	16	22	V	4.4	7	0.63	258
401430175	2012	5	16	23	C	-999	8	0	0
401430175	2012	5	16	24	V	4.2	4	0.62	287
401430175	2012	5	17	1	V	5.1	2	0.53	272
401430175	2012	5	17	2	V	3.9	2	0.6	320
401430175	2012	5	17	3	V	4.3	1	0.52	272
401430175	2012	5	17	4	V	4.3	0	0.53	272

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	17	5	V	7.2	0	0.55	254
401430175	2012	5	17	6	V	5.0	1	0.53	260
401430175	2012	5	17	7	V	12.2	1	0.66	195
401430175	2012	5	17	8	V	7.2	2	1.6	149
401430175	2012	5	17	9	V	6.3	23	1.77	180
401430175	2012	5	17	10	V	8.6	20	2.35	189
401430175	2012	5	17	11	V	9.7	8	3.1	200
401430175	2012	5	17	12	V	7.6	5	4.49	182
401430175	2012	5	17	13	V	7.9	6	4.6	183
401430175	2012	5	17	14	V	7.7	6	4.85	182
401430175	2012	5	17	15	V	7.8	6	4.9	186
401430175	2012	5	17	16	V	7.3	8	4.99	179
401430175	2012	5	17	17	V	8.9	19	5.39	175
401430175	2012	5	17	18	V	7.5	23	5.26	161
401430175	2012	5	17	19	V	6.9	1	4.26	165
401430175	2012	5	17	20	V	5.7	0	3.4	163
401430175	2012	5	17	21	V	8.3	1	3.27	171
401430175	2012	5	17	22	V	2.0	6	2.69	183
401430175	2012	5	17	23	V	1.5	39	2.2	188
401430175	2012	5	17	24	V	2.4	25	2.11	197
401430175	2012	5	18	1	V	1.8	41	2.28	195
401430175	2012	5	18	2	V	7.9	17	1.2	197
401430175	2012	5	18	3	V	25.0	9	1.04	214
401430175	2012	5	18	4	V	37.2	18	0.6	214
401430175	2012	5	18	5	V	8.8	15	0.86	159
401430175	2012	5	18	6	V	8.7	19	0.99	185
401430175	2012	5	18	7	V	5.4	9	1.62	159
401430175	2012	5	18	8	V	9.8	21	2.22	169
401430175	2012	5	18	9	V	6.3	10	4.75	189
401430175	2012	5	18	10	V	7.6	15	5.94	191
401430175	2012	5	18	11	V	7.1	14	6.52	190
401430175	2012	5	18	12	V	6.6	31	7.86	178
401430175	2012	5	18	13	V	6.5	18	7.01	170
401430175	2012	5	18	14	V	6.8	13	7.42	173
401430175	2012	5	18	15	V	6.2	18	7.69	173
401430175	2012	5	18	16	V	6.3	9	7.32	168
401430175	2012	5	18	17	V	8.5	17	8.13	170
401430175	2012	5	18	18	V	9.3	16	7.48	170
401430175	2012	5	18	19	V	8.6	23	5.97	169
401430175	2012	5	18	20	V	7.2	2	4.85	166
401430175	2012	5	18	21	V	7.3	5	4.78	167
401430175	2012	5	18	22	V	6.1	16	4.9	167
401430175	2012	5	18	23	V	5.2	3	4.7	166
401430175	2012	5	18	24	V	5.8	7	4.17	168
401430175	2012	5	19	1	V	4.7	37	4.05	178
401430175	2012	5	19	2	V	3.0	25	3.37	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	19	3	V	5.0	32	3.12	167
401430175	2012	5	19	4	V	2.8	34	3.24	162
401430175	2012	5	19	5	V	4.6	7	3.47	164
401430175	2012	5	19	6	V	4.9	17	4.56	167
401430175	2012	5	19	7	V	6.7	34	4.41	171
401430175	2012	5	19	8	V	10.1	44	4.65	171
401430175	2012	5	19	9	V	6.6	42	4.44	172
401430175	2012	5	19	10	V	7.1	37	5.62	177
401430175	2012	5	19	11	V	5.9	12	7.2	167
401430175	2012	5	19	12	V	6.1	6	8.93	167
401430175	2012	5	19	13	V	6.3	8	9.19	168
401430175	2012	5	19	14	V	5.8	13	9.32	165
401430175	2012	5	19	15	V	5.6	9	9.51	167
401430175	2012	5	19	16	V	6.3	18	9.36	168
401430175	2012	5	19	17	V	8.1	24	8	167
401430175	2012	5	19	18	V	9.0	14	7.33	168
401430175	2012	5	19	19	V	8.9	24	5.28	169
401430175	2012	5	19	20	V	5.7	34	3.75	179
401430175	2012	5	19	21	V	3.1	15	2.28	189
401430175	2012	5	19	22	V	7.0	17	1.38	200
401430175	2012	5	19	23	V	5.5	36	5.14	178
401430175	2012	5	19	24	V	3.3	6	4.15	183
401430175	2012	5	20	1	V	2.8	35	3.46	184
401430175	2012	5	20	2	V	4.3	14	3.39	179
401430175	2012	5	20	3	V	6.4	33	5.53	171
401430175	2012	5	20	4	V	1.7	12	5.41	196
401430175	2012	5	20	5	V	1.4	4	2.1	286
401430175	2012	5	20	6	V	0.6	2	1.52	79
401430175	2012	5	20	7	V	7.5	2	1.77	171
401430175	2012	5	20	8	V	19.2	8	1.14	218
401430175	2012	5	20	9	V	11.5	2	2.1	231
401430175	2012	5	20	10	V	4.5	0	2.37	258
401430175	2012	5	20	11	V	3.3	0	2.74	263
401430175	2012	5	20	12	V	2.9	0	3	295
401430175	2012	5	20	13	V	2.8	0	2.79	299
401430175	2012	5	20	14	V	3.1	0	3.01	311
401430175	2012	5	20	15	V	2.6	0	2.71	286
401430175	2012	5	20	16	V	3.7	0	1.87	343
401430175	2012	5	20	17	V	5.6	0	1.65	288
401430175	2012	5	20	18	V	6.4	0	1.21	253
401430175	2012	5	20	19	V	2.0	0	0.97	271
401430175	2012	5	20	20	V	3.6	0	1.35	242
401430175	2012	5	20	21	V	2.7	0	1.81	248
401430175	2012	5	20	22	V	2.7	0	0.99	247
401430175	2012	5	20	23	V	3.1	0	0.67	275
401430175	2012	5	20	24	V	4.7	0	0.57	343

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	21	1	V	1.7	0	1.09	355
401430175	2012	5	21	2	V	1.0	0	1.48	356
401430175	2012	5	21	3	V	0.6	0	1.25	334
401430175	2012	5	21	4	V	0.6	0	1.79	343
401430175	2012	5	21	5	V	1.5	0	1.69	350
401430175	2012	5	21	6	V	0.6	0	1.55	358
401430175	2012	5	21	7	V	1.6	0	2.06	10
401430175	2012	5	21	8	V	4.3	0	2.83	22
401430175	2012	5	21	9	V	2.5	0	3.83	35
401430175	2012	5	21	10	V	2.7	0	4.34	22
401430175	2012	5	21	11	V	2.2	2	4.15	16
401430175	2012	5	21	12	V	2.6	0	4.05	13
401430175	2012	5	21	13	V	3.0	0	3.46	15
401430175	2012	5	21	14	V	3.0	0	3.75	16
401430175	2012	5	21	15	V	2.3	0	3.93	12
401430175	2012	5	21	16	V	2.5	0	3.97	14
401430175	2012	5	21	17	V	4.2	0	4.12	27
401430175	2012	5	21	18	V	4.1	0	3.58	11
401430175	2012	5	21	19	V	1.7	0	3.61	33
401430175	2012	5	21	20	V	2.9	2	2.38	28
401430175	2012	5	21	21	V	3.2	0	0.94	10
401430175	2012	5	21	22	V	2.2	0	0.89	353
401430175	2012	5	21	23	V	5.3	0	0.52	266
401430175	2012	5	21	24	V	4.7	0	0.72	251
401430175	2012	5	22	1	V	4.8	0	0.58	265
401430175	2012	5	22	2	C	-999	0	0	0
401430175	2012	5	22	3	V	2.1	0	0.7	302
401430175	2012	5	22	4	V	0.6	0	1.64	304
401430175	2012	5	22	5	V	2.2	0	0.89	298
401430175	2012	5	22	6	V	4.4	0	0.58	260
401430175	2012	5	22	7	V	8.5	1	0.6	134
401430175	2012	5	22	8	V	4.7	0	2.22	99
401430175	2012	5	22	9	V	1.5	-999	3.81	124
401430175	2012	5	22	10	V	3.2	1	3.54	144
401430175	2012	5	22	11	V	5.7	1	3.64	169
401430175	2012	5	22	12	V	5.5	2	3.17	168
401430175	2012	5	22	13	V	5.5	0	3	167
401430175	2012	5	22	14	V	6.6	0	3.32	175
401430175	2012	5	22	15	V	5.3	1	3.68	168
401430175	2012	5	22	16	V	4.6	1	3.98	156
401430175	2012	5	22	17	V	6.6	1	4.1	158
401430175	2012	5	22	18	V	7.0	1	4.16	158
401430175	2012	5	22	19	V	4.7	0	3.81	160
401430175	2012	5	22	20	V	2.9	0	2.91	148
401430175	2012	5	22	21	V	2.7	0	2.74	148
401430175	2012	5	22	22	V	1.4	0	2.52	144

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	22	23	V	1.1	0	2.84	150
401430175	2012	5	22	24	V	1.5	0	2.45	155
401430175	2012	5	23	1	V	7.3	0	2.42	174
401430175	2012	5	23	2	V	6.1	4	3.52	170
401430175	2012	5	23	3	V	3.6	5	3.15	164
401430175	2012	5	23	4	V	4.8	4	3.86	170
401430175	2012	5	23	5	V	6.4	6	3.51	169
401430175	2012	5	23	6	V	5.7	3	3.54	173
401430175	2012	5	23	7	V	6.5	2	4.12	169
401430175	2012	5	23	8	V	9.7	6	5.75	168
401430175	2012	5	23	9	V	5.7	6	6.91	166
401430175	2012	5	23	10	V	6.9	17	7.09	168
401430175	2012	5	23	11	V	6.3	38	7.3	176
401430175	2012	5	23	12	V	6.6	29	8.1	173
401430175	2012	5	23	13	V	6.7	24	8.96	173
401430175	2012	5	23	14	V	5.8	7	9.18	165
401430175	2012	5	23	15	V	5.0	9	9.25	164
401430175	2012	5	23	16	V	5.3	14	9.56	164
401430175	2012	5	23	17	V	7.1	16	9.39	164
401430175	2012	5	23	18	V	7.9	5	8.13	165
401430175	2012	5	23	19	V	7.7	15	7.28	168
401430175	2012	5	23	20	V	8.9	37	6.11	168
401430175	2012	5	23	21	V	6.8	8	5.07	165
401430175	2012	5	23	22	V	4.5	2	5.31	162
401430175	2012	5	23	23	V	5.0	5	5.39	164
401430175	2012	5	23	24	V	4.4	3	5.16	162
401430175	2012	5	24	1	V	6.1	13	5.51	166
401430175	2012	5	24	2	V	6.8	32	6.35	167
401430175	2012	5	24	3	V	7.9	46	6.84	169
401430175	2012	5	24	4	V	7.6	43	6.65	169
401430175	2012	5	24	5	V	7.5	29	6.77	166
401430175	2012	5	24	6	V	8.1	40	6.86	169
401430175	2012	5	24	7	V	8.3	31	7.43	172
401430175	2012	5	24	8	V	9.6	19	7.4	177
401430175	2012	5	24	9	V	5.1	13	7.91	181
401430175	2012	5	24	10	V	5.5	11	8.15	183
401430175	2012	5	24	11	V	5.7	23	8.01	181
401430175	2012	5	24	12	V	6.5	16	7.38	180
401430175	2012	5	24	13	V	8.1	7	6.94	175
401430175	2012	5	24	14	V	6.6	15	6.97	181
401430175	2012	5	24	15	V	6.2	7	6.79	180
401430175	2012	5	24	16	V	6.3	16	6.52	182
401430175	2012	5	24	17	V	9.6	16	6.11	174
401430175	2012	5	24	18	V	8.7	10	5.43	166
401430175	2012	5	24	19	V	4.7	3	4.82	161
401430175	2012	5	24	20	V	5.8	1	4.27	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	24	21	V	7.0	1	3.59	167
401430175	2012	5	24	22	V	1.6	1	2.62	157
401430175	2012	5	24	23	V	1.1	1	2.37	149
401430175	2012	5	24	24	V	1.5	1	2.98	149
401430175	2012	5	25	1	V	1.3	1	3.1	144
401430175	2012	5	25	2	V	0.9	1	2.73	138
401430175	2012	5	25	3	V	0.5	1	3.73	148
401430175	2012	5	25	4	V	0.6	1	3.71	146
401430175	2012	5	25	5	V	2.8	1	4.09	159
401430175	2012	5	25	6	V	1.8	1	4.17	158
401430175	2012	5	25	7	V	3.4	1	4.48	159
401430175	2012	5	25	8	V	7.8	4	5.77	163
401430175	2012	5	25	9	V	7.5	7	6.89	169
401430175	2012	5	25	10	V	8.9	5	6.38	171
401430175	2012	5	25	11	V	5.2	5	6.13	162
401430175	2012	5	25	12	V	6.7	3	6.6	165
401430175	2012	5	25	13	V	4.3	1	6.23	158
401430175	2012	5	25	14	V	4.2	1	7.01	158
401430175	2012	5	25	15	V	4.1	1	7.04	160
401430175	2012	5	25	16	V	4.6	1	8	161
401430175	2012	5	25	17	V	6.0	1	7.82	160
401430175	2012	5	25	18	V	9.2	2	7.62	169
401430175	2012	5	25	19	V	8.0	17	6.36	168
401430175	2012	5	25	20	V	8.6	29	5.29	170
401430175	2012	5	25	21	V	6.4	15	4.03	166
401430175	2012	5	25	22	V	6.1	26	3.97	172
401430175	2012	5	25	23	V	5.6	12	3.34	167
401430175	2012	5	25	24	V	6.9	22	2.93	169
401430175	2012	5	26	1	V	2.8	6	2.74	162
401430175	2012	5	26	2	V	2.2	3	3.25	159
401430175	2012	5	26	3	V	5.0	9	3.01	167
401430175	2012	5	26	4	V	6.0	7	3.07	174
401430175	2012	5	26	5	V	2.6	3	1.89	196
401430175	2012	5	26	6	V	6.8	13	2.57	172
401430175	2012	5	26	7	V	6.9	25	3.56	171
401430175	2012	5	26	8	V	8.5	15	6.24	180
401430175	2012	5	26	9	V	5.1	10	6.67	183
401430175	2012	5	26	10	V	6.3	11	6.94	183
401430175	2012	5	26	11	V	6.1	10	6.18	183
401430175	2012	5	26	12	V	6.3	13	6.58	184
401430175	2012	5	26	13	V	6.8	15	6.79	176
401430175	2012	5	26	14	V	6.6	9	6.55	170
401430175	2012	5	26	15	V	5.7	10	6.43	167
401430175	2012	5	26	16	V	6.4	18	5.73	169
401430175	2012	5	26	17	V	8.8	18	7.35	173
401430175	2012	5	26	18	V	8.9	5	5.92	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	26	19	V	7.9	8	5.29	167
401430175	2012	5	26	20	V	8.3	24	5.21	175
401430175	2012	5	26	21	V	7.0	28	3.76	173
401430175	2012	5	26	22	V	5.6	6	3.95	168
401430175	2012	5	26	23	V	5.8	28	3.68	170
401430175	2012	5	26	24	V	7.0	11	3.18	173
401430175	2012	5	27	1	V	5.6	6	3.9	169
401430175	2012	5	27	2	V	4.2	1	4.36	164
401430175	2012	5	27	3	V	5.0	7	4.2	169
401430175	2012	5	27	4	V	6.1	21	3.22	172
401430175	2012	5	27	5	V	3.8	7	3.57	162
401430175	2012	5	27	6	V	5.8	4	3.3	169
401430175	2012	5	27	7	V	6.5	18	4.09	170
401430175	2012	5	27	8	V	9.0	22	6.11	178
401430175	2012	5	27	9	V	4.8	9	7.25	186
401430175	2012	5	27	10	V	6.1	17	7.99	183
401430175	2012	5	27	11	V	5.8	14	8.15	181
401430175	2012	5	27	12	V	6.5	16	8.17	180
401430175	2012	5	27	13	V	6.7	7	8.05	183
401430175	2012	5	27	14	V	7.2	11	7.47	186
401430175	2012	5	27	15	V	6.9	13	6.96	186
401430175	2012	5	27	16	V	7.8	14	7.11	191
401430175	2012	5	27	17	V	8.9	26	6.06	179
401430175	2012	5	27	18	V	9.4	24	5.72	172
401430175	2012	5	27	19	V	8.4	42	5.97	175
401430175	2012	5	27	20	V	7.9	26	4.63	169
401430175	2012	5	27	21	V	7.8	22	4.44	171
401430175	2012	5	27	22	V	6.8	47	4.73	171
401430175	2012	5	27	23	V	6.0	37	4.87	168
401430175	2012	5	27	24	V	6.5	41	4.46	172
401430175	2012	5	28	1	V	4.9	20	3.71	166
401430175	2012	5	28	2	V	3.0	21	2.93	162
401430175	2012	5	28	3	V	5.0	8	3.27	167
401430175	2012	5	28	4	V	1.8	7	1.5	190
401430175	2012	5	28	5	V	15.0	18	0.91	200
401430175	2012	5	28	6	V	1.2	18	1.77	189
401430175	2012	5	28	7	V	5.5	4	4.09	188
401430175	2012	5	28	8	V	8.1	3	5.05	190
401430175	2012	5	28	9	V	4.5	3	6.16	189
401430175	2012	5	28	10	V	8.9	23	6.94	197
401430175	2012	5	28	11	V	14.0	22	6.02	209
401430175	2012	5	28	12	V	13.7	17	5.43	213
401430175	2012	5	28	13	V	15.6	6	5.1	212
401430175	2012	5	28	14	V	13.9	27	4.92	208
401430175	2012	5	28	15	V	13.5	20	4.95	208
401430175	2012	5	28	16	V	12.5	8	5.09	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	28	17	V	12.2	6	5.17	197
401430175	2012	5	28	18	V	16.8	1	4.02	205
401430175	2012	5	28	19	V	9.1	5	4.46	172
401430175	2012	5	28	20	V	7.7	14	3.88	168
401430175	2012	5	28	21	V	6.7	7	3.86	167
401430175	2012	5	28	22	V	5.5	10	4.56	178
401430175	2012	5	28	23	V	2.9	6	5.44	200
401430175	2012	5	28	24	V	1.5	3	2.93	259
401430175	2012	5	29	1	V	1.3	1	1.84	356
401430175	2012	5	29	2	V	1.1	1	1.28	325
401430175	2012	5	29	3	V	0.9	0	1.04	277
401430175	2012	5	29	4	V	1.3	0	0.86	302
401430175	2012	5	29	5	V	1.8	0	1.09	341
401430175	2012	5	29	6	V	2.5	0	0.75	47
401430175	2012	5	29	7	V	10.2	0	1.31	186
401430175	2012	5	29	8	V	11.9	2	2.03	184
401430175	2012	5	29	9	V	6.7	5	1.87	169
401430175	2012	5	29	10	V	8.0	5	2.61	183
401430175	2012	5	29	11	V	7.0	-999	2.57	184
401430175	2012	5	29	12	V	7.5	-999	2.57	190
401430175	2012	5	29	13	V	6.8	2	2.18	221
401430175	2012	5	29	14	V	5.3	1	2.2	173
401430175	2012	5	29	15	V	6.0	0	2.54	181
401430175	2012	5	29	16	V	4.5	0	2.73	154
401430175	2012	5	29	17	V	8.6	0	3.9	175
401430175	2012	5	29	18	V	9.2	1	4.34	173
401430175	2012	5	29	19	V	7.8	2	3.25	172
401430175	2012	5	29	20	V	11.6	1	3.03	231
401430175	2012	5	29	21	V	2.8	2	4.44	257
401430175	2012	5	29	22	V	5.5	2	3.12	164
401430175	2012	5	29	23	V	2.2	7	5.73	191
401430175	2012	5	29	24	V	1.5	2	3.44	146
401430175	2012	5	30	1	V	1.4	3	3.01	152
401430175	2012	5	30	2	V	1.0	0	1.62	140
401430175	2012	5	30	3	V	1.9	0	1.4	49
401430175	2012	5	30	4	V	0.5	0	2.66	19
401430175	2012	5	30	5	V	1.4	0	3.37	31
401430175	2012	5	30	6	V	0.5	0	3.71	56
401430175	2012	5	30	7	V	1.2	0	4.29	64
401430175	2012	5	30	8	V	4.1	0	3.92	89
401430175	2012	5	30	9	V	1.4	4	4.31	114
401430175	2012	5	30	10	V	2.6	0	4.17	117
401430175	2012	5	30	11	V	2.2	0	4.93	92
401430175	2012	5	30	12	V	3.1	0	4.61	138
401430175	2012	5	30	13	V	4.6	0	4.05	154
401430175	2012	5	30	14	V	3.3	7	4.1	135

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	5	30	15	V	3.5	4	4.41	149
401430175	2012	5	30	16	V	4.2	3	3.97	152
401430175	2012	5	30	17	V	6.2	1	3.9	154
401430175	2012	5	30	18	V	8.6	2	4.24	168
401430175	2012	5	30	19	V	7.6	1	3.57	179
401430175	2012	5	30	20	V	16.3	7	1.64	221
401430175	2012	5	30	21	V	12.5	12	1.35	212
401430175	2012	5	30	22	V	2.3	9	1.93	184
401430175	2012	5	30	23	V	15.3	11	1.28	213
401430175	2012	5	30	24	V	1.5	4	3.12	291
401430175	2012	5	31	1	V	1.3	0	3.81	4
401430175	2012	5	31	2	V	1.4	0	1.72	52
401430175	2012	5	31	3	V	0.5	0	4.24	81
401430175	2012	5	31	4	V	0.5	0	2.69	356
401430175	2012	5	31	5	V	1.4	0	2.52	315
401430175	2012	5	31	6	V	0.6	0	3.03	329
401430175	2012	5	31	7	V	1.2	0	3.69	344
401430175	2012	5	31	8	V	4.2	0	3.54	346
401430175	2012	5	31	9	V	1.5	0	4.2	355
401430175	2012	5	31	10	V	2.5	0	6.04	6
401430175	2012	5	31	11	V	2.0	0	6.14	1
401430175	2012	5	31	12	V	2.4	0	5.41	359
401430175	2012	5	31	13	V	2.5	0	5.84	358
401430175	2012	5	31	14	V	2.5	0	6.06	1
401430175	2012	5	31	15	V	1.9	0	5.6	355
401430175	2012	5	31	16	V	2.3	0	4.78	353
401430175	2012	5	31	17	V	3.8	0	5.24	3
401430175	2012	5	31	18	V	3.9	0	5.24	359
401430175	2012	5	31	19	V	1.6	0	5.51	2
401430175	2012	5	31	20	V	2.9	0	3.59	357
401430175	2012	5	31	21	V	2.7	0	2.06	3
401430175	2012	5	31	22	V	1.4	0	1.98	360
401430175	2012	5	31	23	V	1.1	0	1.88	352
401430175	2012	5	31	24	V	1.5	0	2.23	359
401430175	2012	6	1	1	V	5.5	0	2.27	355
401430175	2012	6	1	2	V	2.7	0	2.45	359
401430175	2012	6	1	3	V	4.4	0	1.67	338
401430175	2012	6	1	4	V	0.8	0	1.89	342
401430175	2012	6	1	5	V	0.6	0	2.03	6
401430175	2012	6	1	6	V	8.4	0	2.69	15
401430175	2012	6	1	7	V	1.1	0	2.91	16
401430175	2012	6	1	8	V	1.4	0	3.22	18
401430175	2012	6	1	9	V	1.6	0	3.3	25
401430175	2012	6	1	10	V	1.4	0	2.71	7
401430175	2012	6	1	11	V	1.9	0	3.39	27
401430175	2012	6	1	12	V	2.7	0	2.16	338

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	1	13	V	3.2	0	1.43	331
401430175	2012	6	1	14	V	4.3	0	1.28	322
401430175	2012	6	1	15	V	3.2	0	1.04	344
401430175	2012	6	1	16	V	2.9	0	1.88	93
401430175	2012	6	1	17	V	2.4	0	2.2	123
401430175	2012	6	1	18	V	11.6	0	2.33	182
401430175	2012	6	1	19	V	8.6	0	2.84	168
401430175	2012	6	1	20	V	4.2	0	2.72	164
401430175	2012	6	1	21	V	7.5	0	2.5	173
401430175	2012	6	1	22	V	1.9	0	1.76	159
401430175	2012	6	1	23	V	0.8	0	1.6	63
401430175	2012	6	1	24	V	2.6	0	1.38	52
401430175	2012	6	2	1	V	5.5	0	1.98	30
401430175	2012	6	2	2	V	12.4	0	0.89	193
401430175	2012	6	2	3	V	5.4	0	0.87	250
401430175	2012	6	2	4	V	4.1	0	0.55	283
401430175	2012	6	2	5	V	4.5	0	0.52	324
401430175	2012	6	2	6	V	10.2	0	0.77	43
401430175	2012	6	2	7	V	1.7	0	1.64	139
401430175	2012	6	2	8	V	6.4	0	1.79	161
401430175	2012	6	2	9	V	9.7	4	1.98	186
401430175	2012	6	2	10	V	7.1	3	2.44	184
401430175	2012	6	2	11	V	8.8	5	2.23	182
401430175	2012	6	2	12	V	16.6	11	2.03	213
401430175	2012	6	2	13	V	3.5	8	1.76	276
401430175	2012	6	2	14	V	4.5	4	1.48	290
401430175	2012	6	2	15	V	3.6	12	1.64	268
401430175	2012	6	2	16	V	3.6	21	1.67	5
401430175	2012	6	2	17	V	3.3	2	1.59	74
401430175	2012	6	2	18	V	6.1	1	2.76	113
401430175	2012	6	2	19	V	1.6	1	3.54	130
401430175	2012	6	2	20	V	2.1	0	2.69	157
401430175	2012	6	2	21	V	1.6	0	1.16	138
401430175	2012	6	2	22	V	1.6	0	0.86	4
401430175	2012	6	2	23	V	4.0	0	0.91	42
401430175	2012	6	2	24	V	5.8	2	0.57	110
401430175	2012	6	3	1	V	39.6	2	0.92	219
401430175	2012	6	3	2	V	2.7	1	1.6	116
401430175	2012	6	3	3	V	23.5	1	0.99	172
401430175	2012	6	3	4	V	10.7	4	2.42	230
401430175	2012	6	3	5	V	1.5	0	1.26	243
401430175	2012	6	3	6	V	8.3	1	2.15	101
401430175	2012	6	3	7	V	1.6	1	1.72	65
401430175	2012	6	3	8	V	11.4	5	1.62	189
401430175	2012	6	3	9	V	15.7	5	2.16	204
401430175	2012	6	3	10	V	7.5	11	2.54	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	3	11	V	8.0	10	2.74	173
401430175	2012	6	3	12	V	7.3	5	4.53	181
401430175	2012	6	3	13	V	14.6	6	4.27	226
401430175	2012	6	3	14	V	13.2	8	3.12	231
401430175	2012	6	3	15	V	13.8	9	2.5	227
401430175	2012	6	3	16	V	8.4	6	3.86	188
401430175	2012	6	3	17	V	9.7	10	3.35	193
401430175	2012	6	3	18	V	10.9	8	4.19	183
401430175	2012	6	3	19	V	7.9	10	3.93	179
401430175	2012	6	3	20	V	3.0	6	1.64	190
401430175	2012	6	3	21	V	6.3	5	2.15	177
401430175	2012	6	3	22	V	2.3	8	1.59	193
401430175	2012	6	3	23	V	1.2	11	2.62	188
401430175	2012	6	3	24	V	9.2	5	2.81	172
401430175	2012	6	4	1	V	5.8	0	9.71	19
401430175	2012	6	4	2	V	3.0	0	3.34	35
401430175	2012	6	4	3	V	4.4	0	3.97	140
401430175	2012	6	4	4	V	0.8	0	3.34	57
401430175	2012	6	4	5	V	0.7	0	3.81	99
401430175	2012	6	4	6	V	10.2	4	3.9	186
401430175	2012	6	4	7	V	6.6	4	3.51	192
401430175	2012	6	4	8	V	2.0	4	1.91	257
401430175	2012	6	4	9	V	15.5	3	1.59	213
401430175	2012	6	4	10	V	15.3	6	3.44	217
401430175	2012	6	4	11	V	9.4	12	2.44	235
401430175	2012	6	4	12	V	5.7	1	1.96	252
401430175	2012	6	4	13	V	4.5	0	1.33	283
401430175	2012	6	4	14	V	4.4	0	1.7	8
401430175	2012	6	4	15	V	2.8	0	2.18	351
401430175	2012	6	4	16	V	2.9	0	3.07	2
401430175	2012	6	4	17	V	2.6	0	2.78	1
401430175	2012	6	4	18	V	6.3	0	2.38	1
401430175	2012	6	4	19	V	1.8	0	1.79	358
401430175	2012	6	4	20	V	2.0	0	1.11	322
401430175	2012	6	4	21	V	2.2	0	0.79	273
401430175	2012	6	4	22	M	-999	0	1.03	206
401430175	2012	6	4	23	M	-999	0	1.09	243
401430175	2012	6	4	24	M	-999	0	1.16	241
401430175	2012	6	5	1	M	-999	0	0.57	224
401430175	2012	6	5	2	C	-999	0	0	0
401430175	2012	6	5	3	V	4.5	0	1.31	345
401430175	2012	6	5	4	V	0.7	0	2.35	349
401430175	2012	6	5	5	V	0.6	0	2.25	360
401430175	2012	6	5	6	V	8.4	0	2.16	7
401430175	2012	6	5	7	V	1.1	0	2.79	11
401430175	2012	6	5	8	V	2.2	0	3.45	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	5	9	M	-999	0	3.36	999
401430175	2012	6	5	10	M	-999	1	2.36	999
401430175	2012	6	5	11	V	2.1	4	2.86	357
401430175	2012	6	5	12	V	2.4	2	6.46	28
401430175	2012	6	5	13	V	3.5	2	4.86	41
401430175	2012	6	5	14	V	3.5	1	3.36	346
401430175	2012	6	5	15	V	3.0	1	5.36	46
401430175	2012	6	5	16	V	3.0	0	3.86	28
401430175	2012	6	5	17	V	3.0	0	4.36	50
401430175	2012	6	5	18	V	6.2	0	4.36	56
401430175	2012	6	5	19	V	1.9	0	4.36	53
401430175	2012	6	5	20	V	4.1	0	3.86	48
401430175	2012	6	5	21	V	1.4	0	3.36	55
401430175	2012	6	5	22	V	1.1	0	5.36	64
401430175	2012	6	5	23	V	0.7	0	3.36	80
401430175	2012	6	5	24	C	-999	0	0	0
401430175	2012	6	6	1	V	5.6	0	2.86	89
401430175	2012	6	6	2	V	2.6	0	2.36	108
401430175	2012	6	6	3	V	4.3	0	2.36	89
401430175	2012	6	6	4	V	0.7	0	2.36	103
401430175	2012	6	6	5	V	0.6	0	2.36	115
401430175	2012	6	6	6	V	8.4	1	2.36	104
401430175	2012	6	6	7	V	1.0	1	3.36	89
401430175	2012	6	6	8	V	1.6	1	2.36	98
401430175	2012	6	6	9	M	-999	1	2.86	999
401430175	2012	6	6	10	V	1.1	1	4.86	94
401430175	2012	6	6	11	V	1.7	2	5.96	87
401430175	2012	6	6	12	V	2.4	1	4.86	115
401430175	2012	6	6	13	V	4.8	0	3.36	156
401430175	2012	6	6	14	V	8.5	7	3.86	166
401430175	2012	6	6	15	V	7.6	3	1.76	243
401430175	2012	6	6	16	V	6.5	3	2.86	163
401430175	2012	6	6	17	V	2.4	0	4.36	82
401430175	2012	6	6	18	V	6.0	0	3.36	109
401430175	2012	6	6	19	V	1.7	1	2.36	123
401430175	2012	6	6	20	C	-999	0	0	0
401430175	2012	6	6	21	C	-999	1	0	0
401430175	2012	6	6	22	C	-999	1	0	0
401430175	2012	6	6	23	V	1.5	0	1.76	51
401430175	2012	6	6	24	V	2.3	0	5.36	95
401430175	2012	6	7	1	V	5.6	0	3.86	120
401430175	2012	6	7	2	V	2.7	1	2.86	135
401430175	2012	6	7	3	V	4.4	2	3.86	123
401430175	2012	6	7	4	V	0.7	1	2.86	126
401430175	2012	6	7	5	V	0.7	1	2.36	98
401430175	2012	6	7	6	V	8.4	1	1.76	136

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	7	7	V	1.1	2	2.86	127
401430175	2012	6	7	8	V	1.5	1	2.86	139
401430175	2012	6	7	9	V	1.5	1	4.36	117
401430175	2012	6	7	10	V	1.4	0	3.36	134
401430175	2012	6	7	11	V	2.0	0	3.36	130
401430175	2012	6	7	12	M	-999	-999	3.36	999
401430175	2012	6	7	13	V	2.9	0	3.36	123
401430175	2012	6	7	14	V	3.4	0	3.86	78
401430175	2012	6	7	15	V	2.6	1	2.86	123
401430175	2012	6	7	16	C	-999	0	0	0
401430175	2012	6	7	17	V	2.4	1	4.86	74
401430175	2012	6	7	18	V	6.0	0	3.86	64
401430175	2012	6	7	19	V	1.7	0	2.36	83
401430175	2012	6	7	20	V	1.9	0	2.36	58
401430175	2012	6	7	21	V	3.5	0	1.76	39
401430175	2012	6	7	22	C	-999	0	0	0
401430175	2012	6	7	23	C	-999	0	0	0
401430175	2012	6	7	24	C	-999	0	0	0
401430175	2012	6	8	1	C	-999	0	0	0
401430175	2012	6	8	2	C	-999	0	0	0
401430175	2012	6	8	3	V	4.3	0	2.36	16
401430175	2012	6	8	4	C	-999	0	0	0
401430175	2012	6	8	5	C	-999	0	0	0
401430175	2012	6	8	6	C	-999	0	0	0
401430175	2012	6	8	7	C	-999	0	0	0
401430175	2012	6	8	8	V	4.2	1	1.76	151
401430175	2012	6	8	9	V	2.1	1	2.36	136
401430175	2012	6	8	10	V	1.5	1	2.36	124
401430175	2012	6	8	11	V	2.2	1	2.36	119
401430175	2012	6	8	12	V	3.8	0	1.76	61
401430175	2012	6	8	13	C	-999	1	0	0
401430175	2012	6	8	14	M	-999	1	1.76	999
401430175	2012	6	8	15	M	-999	1	1.76	999
401430175	2012	6	8	16	V	2.9	1	3.36	91
401430175	2012	6	8	17	V	2.7	1	2.86	89
401430175	2012	6	8	18	V	6.3	1	2.86	133
401430175	2012	6	8	19	V	5.0	1	2.86	159
401430175	2012	6	8	20	C	-999	4	0	0
401430175	2012	6	8	21	C	-999	4	0	0
401430175	2012	6	8	22	C	-999	3	0	0
401430175	2012	6	8	23	C	-999	1	0	0
401430175	2012	6	8	24	C	-999	1	0	0
401430175	2012	6	9	1	C	-999	1	0	0
401430175	2012	6	9	2	C	-999	1	0	0
401430175	2012	6	9	3	C	-999	1	0	0
401430175	2012	6	9	4	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	9	5	C	-999	0	0	0
401430175	2012	6	9	6	C	-999	0	0	0
401430175	2012	6	9	7	V	4.6	0	2.36	160
401430175	2012	6	9	8	V	6.8	0	3.36	175
401430175	2012	6	9	9	V	7.7	0	3.86	168
401430175	2012	6	9	10	V	6.3	2	4.36	181
401430175	2012	6	9	11	V	6.6	3	4.86	168
401430175	2012	6	9	12	V	7.7	1	4.86	180
401430175	2012	6	9	13	V	7.8	4	6.46	172
401430175	2012	6	9	14	V	8.0	10	6.46	187
401430175	2012	6	9	15	V	5.4	11	6.46	161
401430175	2012	6	9	16	V	8.0	8	6.46	169
401430175	2012	6	9	17	V	7.1	22	6.46	181
401430175	2012	6	9	18	V	12.2	16	4.86	169
401430175	2012	6	9	19	V	7.9	15	3.86	166
401430175	2012	6	9	20	V	7.1	0	2.86	165
401430175	2012	6	9	21	V	6.3	0	2.86	167
401430175	2012	6	9	22	V	4.3	1	2.86	180
401430175	2012	6	9	23	V	3.3	13	3.36	182
401430175	2012	6	9	24	V	5.6	5	3.36	180
401430175	2012	6	10	1	V	8.3	3	4.86	184
401430175	2012	6	10	2	V	2.9	1	3.86	152
401430175	2012	6	10	3	V	6.5	0	3.36	161
401430175	2012	6	10	4	V	4.9	0	4.36	166
401430175	2012	6	10	5	V	0.7	0	2.86	147
401430175	2012	6	10	6	V	8.4	0	3.86	141
401430175	2012	6	10	7	V	2.1	0	5.36	156
401430175	2012	6	10	8	V	8.3	0	5.96	171
401430175	2012	6	10	9	V	6.1	0	7.96	166
401430175	2012	6	10	10	V	2.8	1	6.96	158
401430175	2012	6	10	11	V	2.8	2	7.46	156
401430175	2012	6	10	12	V	7.6	5	7.96	173
401430175	2012	6	10	13	V	4.6	3	7.46	159
401430175	2012	6	10	14	V	8.2	4	9.56	172
401430175	2012	6	10	15	V	7.7	6	7.96	168
401430175	2012	6	10	16	V	6.8	14	7.96	180
401430175	2012	6	10	17	V	6.4	21	6.96	182
401430175	2012	6	10	18	V	12.8	19	6.96	172
401430175	2012	6	10	19	V	9.9	28	4.36	171
401430175	2012	6	10	20	V	7.5	25	4.36	169
401430175	2012	6	10	21	V	6.7	3	4.86	168
401430175	2012	6	10	22	V	2.5	1	2.86	160
401430175	2012	6	10	23	V	4.6	1	3.36	165
401430175	2012	6	10	24	V	7.8	2	3.36	170
401430175	2012	6	11	1	V	10.4	6	3.86	172
401430175	2012	6	11	2	V	6.7	4	3.36	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	11	3	V	9.6	12	2.86	168
401430175	2012	6	11	4	V	4.3	1	1.92	164
401430175	2012	6	11	5	V	0.6	0	2.27	144
401430175	2012	6	11	6	V	8.4	0	1.77	140
401430175	2012	6	11	7	V	7.1	1	3.15	171
401430175	2012	6	11	8	V	6.7	15	4.17	177
401430175	2012	6	11	9	V	6.7	3	4.97	193
401430175	2012	6	11	10	V	12.1	4	4.87	206
401430175	2012	6	11	11	V	6.3	11	2.27	241
401430175	2012	6	11	12	V	5.5	0	1.01	257
401430175	2012	6	11	13	V	3.7	0	1.23	24
401430175	2012	6	11	14	V	3.2	1	4.15	27
401430175	2012	6	11	15	V	2.2	1	4.37	22
401430175	2012	6	11	16	V	2.7	0	4.71	19
401430175	2012	6	11	17	V	2.3	0	5.62	20
401430175	2012	6	11	18	V	5.9	2	4.44	30
401430175	2012	6	11	19	V	1.7	4	4.31	33
401430175	2012	6	11	20	V	1.9	1	2.35	32
401430175	2012	6	11	21	V	3.1	0	1.14	37
401430175	2012	6	11	22	V	7.6	0	1.5	43
401430175	2012	6	11	23	V	0.8	0	1.45	24
401430175	2012	6	11	24	V	2.2	0	2.49	11
401430175	2012	6	12	1	V	5.6	0	1.6	9
401430175	2012	6	12	2	V	2.7	0	3.54	9
401430175	2012	6	12	3	V	4.4	0	2.78	29
401430175	2012	6	12	4	V	0.8	0	1.82	15
401430175	2012	6	12	5	V	0.7	0	1.88	19
401430175	2012	6	12	6	V	8.4	0	2.71	24
401430175	2012	6	12	7	V	2.4	0	3.13	53
401430175	2012	6	12	8	V	1.4	0	4.77	70
401430175	2012	6	12	9	V	1.5	0	5.6	69
401430175	2012	6	12	10	V	1.1	0	7.33	77
401430175	2012	6	12	11	V	1.7	0	6.79	86
401430175	2012	6	12	12	V	2.4	0	4.92	89
401430175	2012	6	12	13	V	2.7	-999	3.95	104
401430175	2012	6	12	14	V	3.7	-999	2.61	108
401430175	2012	6	12	15	V	2.5	1	3.05	100
401430175	2012	6	12	16	V	2.8	1	3.78	87
401430175	2012	6	12	17	V	2.4	1	4.65	79
401430175	2012	6	12	18	V	6.0	0	4.54	75
401430175	2012	6	12	19	V	1.7	0	3.73	91
401430175	2012	6	12	20	V	1.9	0	2.62	94
401430175	2012	6	12	21	V	1.5	0	1.31	98
401430175	2012	6	12	22	V	3.7	0	0.8	47
401430175	2012	6	12	23	V	0.8	0	4.43	75
401430175	2012	6	12	24	V	2.2	1	2.61	75

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	13	1	V	5.5	0	2.59	79
401430175	2012	6	13	2	V	2.6	0	2.61	74
401430175	2012	6	13	3	V	4.4	0	3.13	98
401430175	2012	6	13	4	V	0.8	0	1.96	135
401430175	2012	6	13	5	V	1.1	0	1.01	108
401430175	2012	6	13	6	V	10.4	0	0.62	320
401430175	2012	6	13	7	V	7.6	0	1.4	181
401430175	2012	6	13	8	V	6.8	0	2.49	164
401430175	2012	6	13	9	V	5.2	0	2.84	160
401430175	2012	6	13	10	V	6.2	1	3.59	167
401430175	2012	6	13	11	V	5.2	1	3.78	161
401430175	2012	6	13	12	V	6.2	2	4.51	163
401430175	2012	6	13	13	V	7.9	10	5.12	173
401430175	2012	6	13	14	V	8.4	10	4.9	172
401430175	2012	6	13	15	V	5.8	3	4.83	162
401430175	2012	6	13	16	V	8.1	7	5.34	170
401430175	2012	6	13	17	V	6.3	8	4.68	162
401430175	2012	6	13	18	V	8.0	1	4.49	156
401430175	2012	6	13	19	V	1.9	0	4.24	150
401430175	2012	6	13	20	V	1.9	0	3.61	141
401430175	2012	6	13	21	V	1.4	0	2.32	152
401430175	2012	6	13	22	V	6.0	0	2.03	166
401430175	2012	6	13	23	V	12.7	3	0.75	189
401430175	2012	6	13	24	C	-999	3	0	0
401430175	2012	6	14	1	V	9.7	1	0.52	54
401430175	2012	6	14	2	V	7.5	4	1.33	197
401430175	2012	6	14	3	V	4.5	0	1.47	150
401430175	2012	6	14	4	V	1.1	0	1.84	157
401430175	2012	6	14	5	V	0.8	0	1.98	155
401430175	2012	6	14	6	V	8.4	0	1.76	150
401430175	2012	6	14	7	V	1.5	0	2.79	147
401430175	2012	6	14	8	V	3.8	0	4.17	159
401430175	2012	6	14	9	V	6.0	1	5.09	164
401430175	2012	6	14	10	V	6.1	1	5.29	166
401430175	2012	6	14	11	V	5.7	1	5.8	164
401430175	2012	6	14	12	V	5.8	3	5.65	162
401430175	2012	6	14	13	V	6.0	0	5.48	162
401430175	2012	6	14	14	V	6.4	1	5.56	161
401430175	2012	6	14	15	V	6.6	1	5.46	165
401430175	2012	6	14	16	V	5.6	1	5.99	160
401430175	2012	6	14	17	V	6.6	1	6.23	164
401430175	2012	6	14	18	V	10.6	4	5.63	164
401430175	2012	6	14	19	V	9.0	8	5.21	169
401430175	2012	6	14	20	V	5.5	1	3.97	165
401430175	2012	6	14	21	V	6.8	8	4.66	169
401430175	2012	6	14	22	V	3.0	7	3.73	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	14	23	V	4.2	9	3.13	180
401430175	2012	6	14	24	V	7.1	25	3.92	172
401430175	2012	6	15	1	V	9.9	30	3.73	175
401430175	2012	6	15	2	V	4.1	10	3.59	197
401430175	2012	6	15	3	V	4.7	1	4.68	310
401430175	2012	6	15	4	V	1.0	0	4.78	15
401430175	2012	6	15	5	V	1.0	0	3.74	53
401430175	2012	6	15	6	V	14.1	0	3.34	171
401430175	2012	6	15	7	V	1.1	1	6.74	150
401430175	2012	6	15	8	V	1.9	2	2.55	258
401430175	2012	6	15	9	V	6.8	0	0.99	318
401430175	2012	6	15	10	V	1.3	0	3.12	260
401430175	2012	6	15	11	V	2.2	0	2.23	275
401430175	2012	6	15	12	V	4.3	0	1.91	258
401430175	2012	6	15	13	V	14.9	4	2.74	214
401430175	2012	6	15	14	V	9.4	4	4.17	190
401430175	2012	6	15	15	V	6.6	2	4.09	166
401430175	2012	6	15	16	V	5.2	1	3.75	156
401430175	2012	6	15	17	V	3.2	0	3.2	145
401430175	2012	6	15	18	V	6.1	0	3.12	111
401430175	2012	6	15	19	V	1.7	0	3.17	118
401430175	2012	6	15	20	V	1.9	0	2.74	123
401430175	2012	6	15	21	V	1.4	0	2.79	144
401430175	2012	6	15	22	V	4.5	0	3.91	165
401430175	2012	6	15	23	V	4.9	18	3.68	176
401430175	2012	6	15	24	V	4.2	7	2.18	162
401430175	2012	6	16	1	V	8.1	2	1.42	184
401430175	2012	6	16	2	V	8.5	4	2.64	170
401430175	2012	6	16	3	V	7.4	18	2.79	179
401430175	2012	6	16	4	V	1.5	8	2.73	187
401430175	2012	6	16	5	V	5.6	9	2.35	167
401430175	2012	6	16	6	V	13.9	8	1.94	177
401430175	2012	6	16	7	V	7.0	19	2.27	168
401430175	2012	6	16	8	V	2.6	4	3.12	152
401430175	2012	6	16	9	V	1.8	1	2.25	334
401430175	2012	6	16	10	V	1.8	0	1.87	89
401430175	2012	6	16	11	V	2.1	0	3.2	142
401430175	2012	6	16	12	V	7.0	10	4.48	166
401430175	2012	6	16	13	V	7.8	9	4.32	174
401430175	2012	6	16	14	V	8.7	16	4.42	184
401430175	2012	6	16	15	V	7.5	9	5.33	188
401430175	2012	6	16	16	V	8.6	11	5.97	193
401430175	2012	6	16	17	V	14.8	21	4.2	204
401430175	2012	6	16	18	V	20.3	18	3.01	206
401430175	2012	6	16	19	V	9.6	5	3.46	172
401430175	2012	6	16	20	V	2.4	7	2.08	192

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	16	21	V	13.5	5	0.87	181
401430175	2012	6	16	22	V	13.4	14	0.63	242
401430175	2012	6	16	23	V	3.6	11	1.28	190
401430175	2012	6	16	24	V	32.8	7	0.84	214
401430175	2012	6	17	1	V	28.6	7	0.91	211
401430175	2012	6	17	2	V	11.4	20	1.16	200
401430175	2012	6	17	3	V	14.0	10	1.79	173
401430175	2012	6	17	4	V	3.6	15	1.31	191
401430175	2012	6	17	5	V	2.2	9	1.45	187
401430175	2012	6	17	6	V	10.9	18	1.52	161
401430175	2012	6	17	7	V	7.0	21	2.22	168
401430175	2012	6	17	8	V	6.6	20	3.69	175
401430175	2012	6	17	9	V	7.9	18	4.36	176
401430175	2012	6	17	10	V	5.5	12	5.16	183
401430175	2012	6	17	11	V	5.8	13	6.21	183
401430175	2012	6	17	12	V	6.5	16	6.52	187
401430175	2012	6	17	13	V	6.6	11	7.62	189
401430175	2012	6	17	14	V	8.4	9	7.32	193
401430175	2012	6	17	15	V	5.6	7	7.43	186
401430175	2012	6	17	16	V	7.3	13	6.63	189
401430175	2012	6	17	17	V	7.2	9	6.43	189
401430175	2012	6	17	18	V	10.4	5	6.04	184
401430175	2012	6	17	19	V	6.3	4	6.82	180
401430175	2012	6	17	20	V	6.4	6	5.7	182
401430175	2012	6	17	21	V	5.4	30	4.95	181
401430175	2012	6	17	22	V	4.9	34	3.73	176
401430175	2012	6	17	23	V	3.8	42	3.08	181
401430175	2012	6	17	24	V	2.7	15	2.59	186
401430175	2012	6	18	1	V	6.9	12	2.88	185
401430175	2012	6	18	2	V	4.3	8	3.95	186
401430175	2012	6	18	3	V	6.0	8	4.07	186
401430175	2012	6	18	4	V	1.9	5	3.35	187
401430175	2012	6	18	5	V	4.1	34	3.29	180
401430175	2012	6	18	6	V	12.9	29	2.81	166
401430175	2012	6	18	7	V	6.9	32	4.15	171
401430175	2012	6	18	8	V	7.4	15	5.77	177
401430175	2012	6	18	9	V	6.8	33	6.96	177
401430175	2012	6	18	10	V	5.2	17	7.71	180
401430175	2012	6	18	11	V	6.0	25	8.01	179
401430175	2012	6	18	12	V	6.9	30	8.01	178
401430175	2012	6	18	13	V	7.2	21	7.52	178
401430175	2012	6	18	14	V	8.2	7	7.37	169
401430175	2012	6	18	15	V	7.4	19	7.25	170
401430175	2012	6	18	16	V	8.0	13	7.59	170
401430175	2012	6	18	17	V	8.2	34	7.06	173
401430175	2012	6	18	18	V	12.5	32	6.48	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	18	19	V	9.1	42	6.11	174
401430175	2012	6	18	20	V	5.7	17	4.39	179
401430175	2012	6	18	21	V	5.9	46	4.41	177
401430175	2012	6	18	22	V	6.2	56	4.39	170
401430175	2012	6	18	23	V	5.9	38	4.34	170
401430175	2012	6	18	24	V	6.8	26	3.78	173
401430175	2012	6	19	1	V	10.3	5	3.85	172
401430175	2012	6	19	2	V	8.2	13	4.83	170
401430175	2012	6	19	3	V	10.5	10	5.68	169
401430175	2012	6	19	4	V	6.6	26	5.36	169
401430175	2012	6	19	5	V	6.7	34	5.24	171
401430175	2012	6	19	6	V	14.4	39	4.61	171
401430175	2012	6	19	7	V	8.4	30	4.95	168
401430175	2012	6	19	8	V	8.8	31	6.01	170
401430175	2012	6	19	9	V	8.5	32	6.5	170
401430175	2012	6	19	10	V	7.1	29	8.2	173
401430175	2012	6	19	11	V	7.9	18	8.05	170
401430175	2012	6	19	12	V	8.8	27	7.69	173
401430175	2012	6	19	13	V	7.9	25	7.57	173
401430175	2012	6	19	14	V	8.4	14	7.93	174
401430175	2012	6	19	15	V	7.5	18	8.22	172
401430175	2012	6	19	16	V	8.0	21	9.02	172
401430175	2012	6	19	17	V	7.9	34	8.62	172
401430175	2012	6	19	18	V	11.4	22	8.08	168
401430175	2012	6	19	19	V	8.7	35	7.52	172
401430175	2012	6	19	20	V	9.3	39	6.31	174
401430175	2012	6	19	21	V	6.4	40	4.27	171
401430175	2012	6	19	22	V	5.7	14	4.92	166
401430175	2012	6	19	23	V	7.3	28	5.84	170
401430175	2012	6	19	24	V	8.5	36	5.6	174
401430175	2012	6	20	1	V	11.6	39	5.22	172
401430175	2012	6	20	2	V	7.9	35	4.66	169
401430175	2012	6	20	3	V	8.8	27	4.73	166
401430175	2012	6	20	4	V	6.9	42	4.95	171
401430175	2012	6	20	5	V	7.5	42	5.55	172
401430175	2012	6	20	6	V	14.6	17	5.22	175
401430175	2012	6	20	7	V	6.7	27	5.04	169
401430175	2012	6	20	8	V	8.8	25	6.4	173
401430175	2012	6	20	9	V	8.0	13	7.13	173
401430175	2012	6	20	10	V	6.7	29	6.65	177
401430175	2012	6	20	11	V	7.6	25	6.36	169
401430175	2012	6	20	12	V	8.2	14	6.35	169
401430175	2012	6	20	13	V	8.4	9	6.12	176
401430175	2012	6	20	14	V	7.4	23	5.6	163
401430175	2012	6	20	15	V	7.3	10	6.18	169
401430175	2012	6	20	16	V	7.3	8	6.41	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	20	17	V	7.7	12	6.67	168
401430175	2012	6	20	18	V	12.0	15	6.89	169
401430175	2012	6	20	19	V	9.5	34	5.55	173
401430175	2012	6	20	20	V	4.9	26	3.76	179
401430175	2012	6	20	21	V	4.1	12	2.5	179
401430175	2012	6	20	22	V	4.6	25	2.69	177
401430175	2012	6	20	23	V	1.8	7	3.01	187
401430175	2012	6	20	24	V	3.4	3	3.29	187
401430175	2012	6	21	1	V	6.9	4	3.1	186
401430175	2012	6	21	2	V	3.7	6	3	187
401430175	2012	6	21	3	V	5.2	5	3.03	196
401430175	2012	6	21	4	V	1.4	5	2.18	197
401430175	2012	6	21	5	V	17.1	9	1.3	228
401430175	2012	6	21	6	V	8.6	1	1.04	257
401430175	2012	6	21	7	V	1.7	2	1.57	64
401430175	2012	6	21	8	V	1.4	1	4.15	99
401430175	2012	6	21	9	V	1.5	0	3.63	99
401430175	2012	6	21	10	V	1.4	0	3.85	146
401430175	2012	6	21	11	V	7.4	1	4.17	175
401430175	2012	6	21	12	V	8.4	7	3.54	187
401430175	2012	6	21	13	V	13.4	5	2.49	223
401430175	2012	6	21	14	V	5.1	1	1.43	272
401430175	2012	6	21	15	V	2.9	0	1.99	319
401430175	2012	6	21	16	V	3.0	0	2.96	351
401430175	2012	6	21	17	V	2.3	0	4.36	10
401430175	2012	6	21	18	V	6.0	0	3.83	10
401430175	2012	6	21	19	V	1.7	0	2.47	4
401430175	2012	6	21	20	V	1.9	0	1.82	10
401430175	2012	6	21	21	V	1.9	0	0.82	328
401430175	2012	6	21	22	V	2.2	0	0.7	329
401430175	2012	6	21	23	V	5.3	0	0.52	286
401430175	2012	6	21	24	V	5.3	0	0.57	283
401430175	2012	6	22	1	V	9.4	0	0.52	320
401430175	2012	6	22	2	V	2.7	0	1.47	15
401430175	2012	6	22	3	V	4.5	0	1.28	355
401430175	2012	6	22	4	V	0.8	0	1.54	1
401430175	2012	6	22	5	V	0.7	0	1.59	360
401430175	2012	6	22	6	V	8.6	0	1.13	1
401430175	2012	6	22	7	V	1.5	0	1.96	22
401430175	2012	6	22	8	V	5.7	-999	3.2	43
401430175	2012	6	22	9	V	4.1	-999	3.56	49
401430175	2012	6	22	10	V	3.7	-999	3.64	48
401430175	2012	6	22	11	V	4.3	-999	3.41	42
401430175	2012	6	22	12	V	4.3	-999	3.63	42
401430175	2012	6	22	13	V	3.2	-999	3.78	56
401430175	2012	6	22	14	V	4.7	0	3.51	44

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	22	15	V	3.4	0	3.35	40
401430175	2012	6	22	16	V	4.0	0	2.83	41
401430175	2012	6	22	17	V	3.5	0	2.91	40
401430175	2012	6	22	18	V	6.9	0	2.89	51
401430175	2012	6	22	19	V	2.9	0	2.21	48
401430175	2012	6	22	20	V	1.9	0	1.67	14
401430175	2012	6	22	21	V	1.4	0	1.67	9
401430175	2012	6	22	22	V	1.1	0	1.28	15
401430175	2012	6	22	23	V	1.3	0	0.89	16
401430175	2012	6	22	24	V	3.8	0	0.77	252
401430175	2012	6	23	1	C	-999	0	0	0
401430175	2012	6	23	2	C	-999	0	0	0
401430175	2012	6	23	3	V	6.4	0	0.63	286
401430175	2012	6	23	4	C	-999	0	0	0
401430175	2012	6	23	5	C	-999	0	0	0
401430175	2012	6	23	6	V	29.6	0	0.53	238
401430175	2012	6	23	7	V	13.8	0	0.89	200
401430175	2012	6	23	8	V	6.7	19	3.13	172
401430175	2012	6	23	9	V	6.0	10	4.65	183
401430175	2012	6	23	10	V	6.1	6	5.43	179
401430175	2012	6	23	11	V	6.9	13	5.77	190
401430175	2012	6	23	12	V	7.8	18	5.51	189
401430175	2012	6	23	13	V	10.7	20	5.75	198
401430175	2012	6	23	14	V	9.9	21	5.56	193
401430175	2012	6	23	15	V	7.5	14	5.62	183
401430175	2012	6	23	16	V	8.5	18	5.56	188
401430175	2012	6	23	17	V	8.2	13	5.11	176
401430175	2012	6	23	18	V	11.4	12	5.19	182
401430175	2012	6	23	19	V	6.1	1	4.71	185
401430175	2012	6	23	20	V	2.8	2	2.15	202
401430175	2012	6	23	21	V	24.5	0	0.97	216
401430175	2012	6	23	22	V	13.1	9	1.11	204
401430175	2012	6	23	23	V	1.9	1	1.64	192
401430175	2012	6	23	24	V	3.5	12	2.11	204
401430175	2012	6	24	1	V	8.2	7	1.72	206
401430175	2012	6	24	2	V	4.8	6	1.81	205
401430175	2012	6	24	3	V	22.8	10	0.96	206
401430175	2012	6	24	4	C	-999	12	0	0
401430175	2012	6	24	5	C	-999	16	0	0
401430175	2012	6	24	6	C	-999	3	0	0
401430175	2012	6	24	7	C	-999	10	0	0
401430175	2012	6	24	8	V	9.7	25	1.3	175
401430175	2012	6	24	9	V	8.4	18	2.11	177
401430175	2012	6	24	10	V	16.4	19	2.81	209
401430175	2012	6	24	11	V	13.0	4	3	227
401430175	2012	6	24	12	V	12.6	11	2.42	223

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	24	13	V	5.8	6	2.16	163
401430175	2012	6	24	14	V	12.0	2	2.08	214
401430175	2012	6	24	15	V	10.6	2	2.37	195
401430175	2012	6	24	16	V	9.7	0	2.25	187
401430175	2012	6	24	17	V	8.7	3	2.74	181
401430175	2012	6	24	18	V	15.7	3	2.64	195
401430175	2012	6	24	19	V	8.9	5	2.96	176
401430175	2012	6	24	20	V	3.9	2	1.65	199
401430175	2012	6	24	21	V	11.0	4	0.6	244
401430175	2012	6	24	22	V	4.0	12	0.55	300
401430175	2012	6	24	23	C	-999	8	0	0
401430175	2012	6	24	24	V	5.4	3	0.58	258
401430175	2012	6	25	1	C	-999	3	0	0
401430175	2012	6	25	2	V	6.9	1	0.62	252
401430175	2012	6	25	3	C	-999	0	0	0
401430175	2012	6	25	4	M	-999	0	0.65	224
401430175	2012	6	25	5	M	-999	1	0.86	224
401430175	2012	6	25	6	M	-999	1	0.52	270
401430175	2012	6	25	7	M	-999	1	0.79	220
401430175	2012	6	25	8	M	-999	3	1.04	236
401430175	2012	6	25	9	M	-999	0	1.18	235
401430175	2012	6	25	10	M	-999	0	1.82	228
401430175	2012	6	25	11	M	-999	0	2.11	233
401430175	2012	6	25	12	M	-999	2	2.5	226
401430175	2012	6	25	13	M	-999	2	2.18	217
401430175	2012	6	25	14	M	-999	3	1.87	237
401430175	2012	6	25	15	M	-999	0	1.94	253
401430175	2012	6	25	16	M	-999	1	1.59	264
401430175	2012	6	25	17	M	-999	1	1.35	256
401430175	2012	6	25	18	M	-999	0	1.4	226
401430175	2012	6	25	19	M	-999	0	1.21	222
401430175	2012	6	25	20	V	2.0	0	1.26	298
401430175	2012	6	25	21	V	3.4	0	0.79	148
401430175	2012	6	25	22	V	3.8	0	0.62	86
401430175	2012	6	25	23	C	-999	0	0	0
401430175	2012	6	25	24	V	16.1	0	0.67	240
401430175	2012	6	26	1	C	-999	0	0	0
401430175	2012	6	26	2	C	-999	1	0	0
401430175	2012	6	26	3	C	-999	1	0	0
401430175	2012	6	26	4	C	-999	0	0	0
401430175	2012	6	26	5	V	3.3	0	0.58	264
401430175	2012	6	26	6	C	-999	0	0	0
401430175	2012	6	26	7	V	11.1	0	0.63	234
401430175	2012	6	26	8	V	4.4	0	2.54	158
401430175	2012	6	26	9	V	2.8	0	3.76	153
401430175	2012	6	26	10	V	2.5	0	3.34	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	26	11	V	5.8	0	2.79	164
401430175	2012	6	26	12	V	4.7	0	2.38	152
401430175	2012	6	26	13	V	6.2	0	2.32	166
401430175	2012	6	26	14	V	3.6	0	3.13	118
401430175	2012	6	26	15	V	3.0	0	2.39	126
401430175	2012	6	26	16	V	6.0	0	2.67	161
401430175	2012	6	26	17	V	7.6	0	3.17	171
401430175	2012	6	26	18	V	7.5	0	3.05	148
401430175	2012	6	26	19	V	6.4	0	2.93	162
401430175	2012	6	26	20	V	1.9	0	2.93	140
401430175	2012	6	26	21	V	1.4	0	2.89	148
401430175	2012	6	26	22	V	2.2	0	3.32	158
401430175	2012	6	26	23	V	1.5	2	1.79	192
401430175	2012	6	26	24	V	13.7	2	1.2	211
401430175	2012	6	27	1	V	7.3	1	1.5	185
401430175	2012	6	27	2	V	2.7	3	1.57	146
401430175	2012	6	27	3	V	9.2	1	3.08	167
401430175	2012	6	27	4	V	5.6	1	3.1	167
401430175	2012	6	27	5	V	5.4	1	3.64	169
401430175	2012	6	27	6	V	13.9	2	3.4	169
401430175	2012	6	27	7	V	7.0	24	3.03	170
401430175	2012	6	27	8	V	6.6	36	4.02	172
401430175	2012	6	27	9	V	6.4	16	5	180
401430175	2012	6	27	10	V	5.7	17	5.05	188
401430175	2012	6	27	11	V	7.2	21	5.22	192
401430175	2012	6	27	12	V	7.3	7	5.41	189
401430175	2012	6	27	13	V	7.7	10	5.41	189
401430175	2012	6	27	14	V	11.8	18	5.12	199
401430175	2012	6	27	15	V	8.6	7	4.93	192
401430175	2012	6	27	16	V	8.4	10	4.66	186
401430175	2012	6	27	17	V	8.0	2	4.63	186
401430175	2012	6	27	18	V	11.8	2	5.04	167
401430175	2012	6	27	19	V	8.8	16	4.41	168
401430175	2012	6	27	20	V	7.8	21	3.34	172
401430175	2012	6	27	21	V	4.7	5	1.62	209
401430175	2012	6	27	22	V	2.1	2	2.16	202
401430175	2012	6	27	23	V	1.4	3	2.57	204
401430175	2012	6	27	24	V	6.3	2	1.52	202
401430175	2012	6	28	1	V	7.6	4	0.62	318
401430175	2012	6	28	2	C	-999	8	0	0
401430175	2012	6	28	3	V	8.2	19	0.52	323
401430175	2012	6	28	4	V	15.8	19	0.57	242
401430175	2012	6	28	5	V	38.9	14	0.6	222
401430175	2012	6	28	6	V	11.2	14	0.57	322
401430175	2012	6	28	7	C	-999	9	0	0
401430175	2012	6	28	8	V	8.7	10	2.64	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	28	9	V	6.3	6	4.02	188
401430175	2012	6	28	10	V	6.7	6	3.97	189
401430175	2012	6	28	11	V	13.7	-999	4.37	205
401430175	2012	6	28	12	V	9.4	15	5.44	196
401430175	2012	6	28	13	V	7.5	9	5.68	186
401430175	2012	6	28	14	V	8.0	8	6.19	184
401430175	2012	6	28	15	V	15.5	11	5.09	207
401430175	2012	6	28	16	V	10.9	13	5.27	197
401430175	2012	6	28	17	V	9.8	5	5.14	195
401430175	2012	6	28	18	V	10.9	6	5.51	188
401430175	2012	6	28	19	V	7.2	1	5.04	192
401430175	2012	6	28	20	V	2.7	3	2.54	203
401430175	2012	6	28	21	V	10.8	3	1.28	213
401430175	2012	6	28	22	V	1.4	1	2.61	196
401430175	2012	6	28	23	V	1.9	14	2.9	202
401430175	2012	6	28	24	V	3.2	14	2.32	205
401430175	2012	6	29	1	V	6.4	3	3.39	196
401430175	2012	6	29	2	V	4.9	13	3.56	209
401430175	2012	6	29	3	V	5.9	17	2.93	207
401430175	2012	6	29	4	V	1.6	14	2.37	202
401430175	2012	6	29	5	V	4.4	3	1.65	209
401430175	2012	6	29	6	V	17.9	12	2.01	220
401430175	2012	6	29	7	V	9.5	8	1.38	191
401430175	2012	6	29	8	V	9.1	14	2.47	195
401430175	2012	6	29	9	V	13.7	6	4.97	215
401430175	2012	6	29	10	V	13.8	29	5.65	211
401430175	2012	6	29	11	V	9.6	29	6.16	199
401430175	2012	6	29	12	V	15.0	22	5.84	208
401430175	2012	6	29	13	V	12.2	29	5.73	201
401430175	2012	6	29	14	V	9.8	6	5.58	193
401430175	2012	6	29	15	V	8.2	2	5.46	190
401430175	2012	6	29	16	V	7.8	7	5.73	185
401430175	2012	6	29	17	V	7.7	10	5.56	188
401430175	2012	6	29	18	V	12.6	3	5.63	194
401430175	2012	6	29	19	V	11.4	4	4.68	200
401430175	2012	6	29	20	V	3.0	13	2.38	209
401430175	2012	6	29	21	V	2.3	12	1.84	195
401430175	2012	6	29	22	V	1.6	2	2.49	200
401430175	2012	6	29	23	V	1.6	0	3.44	189
401430175	2012	6	29	24	V	2.6	0	2.61	189
401430175	2012	6	30	1	V	7.2	1	3.4	185
401430175	2012	6	30	2	V	3.0	1	2.52	192
401430175	2012	6	30	3	V	8.8	4	1.81	214
401430175	2012	6	30	4	V	15.6	13	1.33	216
401430175	2012	6	30	5	V	8.7	5	1.25	202
401430175	2012	6	30	6	V	11.1	13	1.5	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	6	30	7	V	7.3	8	2.13	189
401430175	2012	6	30	8	V	12.8	29	3.2	205
401430175	2012	6	30	9	V	17.7	17	3.92	218
401430175	2012	6	30	10	V	15.8	15	4.03	215
401430175	2012	6	30	11	V	11.9	15	4.7	202
401430175	2012	6	30	12	V	8.6	6	4.83	192
401430175	2012	6	30	13	V	8.2	5	4.92	188
401430175	2012	6	30	14	V	9.2	8	5.05	189
401430175	2012	6	30	15	V	7.5	5	4.99	180
401430175	2012	6	30	16	V	8.1	4	5.28	186
401430175	2012	6	30	17	V	7.4	9	5.5	185
401430175	2012	6	30	18	V	12.4	7	5.85	174
401430175	2012	6	30	19	V	9.4	13	5.16	172
401430175	2012	6	30	20	V	7.0	23	3.95	172
401430175	2012	6	30	21	V	1.8	7	2.49	196
401430175	2012	6	30	22	V	1.6	1	2.32	198
401430175	2012	6	30	23	V	1.8	23	2.43	207
401430175	2012	6	30	24	V	3.8	16	1.99	206
401430175	2012	7	1	1	V	40.9	6	0.69	218
401430175	2012	7	1	2	V	24.5	3	0.58	198
401430175	2012	7	1	3	V	11.1	3	1.06	237
401430175	2012	7	1	4	V	2.1	4	0.69	269
401430175	2012	7	1	5	V	18.6	7	0.74	175
401430175	2012	7	1	6	V	28.2	10	0.86	205
401430175	2012	7	1	7	V	14.3	5	1.57	202
401430175	2012	7	1	8	V	12.7	14	2.5	201
401430175	2012	7	1	9	V	13.2	17	3	225
401430175	2012	7	1	10	V	11.1	18	3.27	205
401430175	2012	7	1	11	V	6.7	6	4.65	184
401430175	2012	7	1	12	V	8.1	3	4.87	189
401430175	2012	7	1	13	V	7.1	6	4.97	177
401430175	2012	7	1	14	V	7.2	4	5.09	171
401430175	2012	7	1	15	V	7.1	6	4.66	179
401430175	2012	7	1	16	V	8.4	6	5.51	188
401430175	2012	7	1	17	V	7.4	10	5.43	176
401430175	2012	7	1	18	V	11.3	10	5.68	186
401430175	2012	7	1	19	V	6.8	5	4.97	187
401430175	2012	7	1	20	V	5.7	6	4.77	181
401430175	2012	7	1	21	V	3.3	1	4.03	185
401430175	2012	7	1	22	V	4.4	1	3.1	180
401430175	2012	7	1	23	V	1.9	2	4.53	195
401430175	2012	7	1	24	V	3.8	3	4.63	198
401430175	2012	7	2	1	V	7.1	4	3.15	204
401430175	2012	7	2	2	V	3.1	4	2.59	186
401430175	2012	7	2	3	V	7.4	9	2.59	178
401430175	2012	7	2	4	V	2.2	13	3.08	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	2	5	V	1.0	3	2.39	194
401430175	2012	7	2	6	V	8.8	3	2.54	188
401430175	2012	7	2	7	V	6.8	8	3.08	192
401430175	2012	7	2	8	V	7.2	4	3.25	188
401430175	2012	7	2	9	V	6.3	7	4.46	185
401430175	2012	7	2	10	V	7.4	8	5.24	195
401430175	2012	7	2	11	V	7.2	6	5.77	191
401430175	2012	7	2	12	V	7.5	6	5.7	187
401430175	2012	7	2	13	V	8.9	5	5.97	193
401430175	2012	7	2	14	V	10.5	4	5.5	195
401430175	2012	7	2	15	V	8.7	9	4.61	189
401430175	2012	7	2	16	V	10.3	9	5.9	197
401430175	2012	7	2	17	V	8.3	9	6.58	192
401430175	2012	7	2	18	V	11.2	13	6.18	188
401430175	2012	7	2	19	V	7.6	8	5.05	178
401430175	2012	7	2	20	V	5.2	18	4.58	182
401430175	2012	7	2	21	V	3.8	16	3.46	182
401430175	2012	7	2	22	V	2.6	3	2.86	184
401430175	2012	7	2	23	V	1.8	2	1.64	192
401430175	2012	7	2	24	V	2.5	0	2.5	193
401430175	2012	7	3	1	V	6.3	1	3.2	191
401430175	2012	7	3	2	V	3.9	4	3.51	187
401430175	2012	7	3	3	V	5.4	1	2.52	183
401430175	2012	7	3	4	V	2.5	8	2.4	181
401430175	2012	7	3	5	V	1.7	6	2.06	199
401430175	2012	7	3	6	V	10.8	3	2.25	180
401430175	2012	7	3	7	V	6.5	3	3.03	177
401430175	2012	7	3	8	V	11.0	19	3.47	200
401430175	2012	7	3	9	V	12.4	29	4.78	205
401430175	2012	7	3	10	V	11.8	25	4.65	211
401430175	2012	7	3	11	V	9.4	13	5.19	197
401430175	2012	7	3	12	V	9.6	11	5.82	196
401430175	2012	7	3	13	V	10.2	8	5.7	197
401430175	2012	7	3	14	V	11.4	4	6.07	199
401430175	2012	7	3	15	V	8.4	9	6.89	194
401430175	2012	7	3	16	V	8.0	4	6.62	188
401430175	2012	7	3	17	V	8.8	7	6.24	192
401430175	2012	7	3	18	V	16.3	6	5.33	201
401430175	2012	7	3	19	V	8.8	1	5.05	195
401430175	2012	7	3	20	V	2.6	6	2.21	206
401430175	2012	7	3	21	V	3.9	6	1.6	204
401430175	2012	7	3	22	V	1.7	2	2.69	199
401430175	2012	7	3	23	V	1.5	0	3.32	195
401430175	2012	7	3	24	V	3.1	2	2.91	198
401430175	2012	7	4	1	V	5.9	5	2.3	192
401430175	2012	7	4	2	V	4.0	4	1.89	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	4	3	V	4.9	9	2.11	188
401430175	2012	7	4	4	V	1.3	3	2.36	198
401430175	2012	7	4	5	V	1.7	6	2.04	198
401430175	2012	7	4	6	V	13.5	6	1.42	211
401430175	2012	7	4	7	V	6.7	6	2.89	191
401430175	2012	7	4	8	V	9.0	3	4.34	197
401430175	2012	7	4	9	V	9.3	1	4.51	198
401430175	2012	7	4	10	V	7.4	4	5.89	196
401430175	2012	7	4	11	V	6.4	7	6.36	188
401430175	2012	7	4	12	V	9.0	3	6.55	196
401430175	2012	7	4	13	V	8.0	9	6.46	190
401430175	2012	7	4	14	V	8.9	4	6.16	190
401430175	2012	7	4	15	V	10.6	7	5.75	199
401430175	2012	7	4	16	V	10.9	1	5.75	198
401430175	2012	7	4	17	V	9.6	8	5.02	193
401430175	2012	7	4	18	V	11.8	3	5.07	186
401430175	2012	7	4	19	V	7.2	3	4.39	183
401430175	2012	7	4	20	V	6.7	7	3.54	173
401430175	2012	7	4	21	V	6.2	6	3.29	176
401430175	2012	7	4	22	V	2.1	1	2.89	201
401430175	2012	7	4	23	V	1.6	0	2.81	199
401430175	2012	7	4	24	V	2.6	0	2.5	194
401430175	2012	7	5	1	V	6.2	0	2.98	194
401430175	2012	7	5	2	V	3.2	1	2.57	201
401430175	2012	7	5	3	V	10.6	0	1.42	212
401430175	2012	7	5	4	V	2.6	1	0.63	346
401430175	2012	7	5	5	C	-999	4	0	0
401430175	2012	7	5	6	V	44.2	4	0.75	224
401430175	2012	7	5	7	V	6.9	5	1.38	164
401430175	2012	7	5	8	V	6.7	2	3.42	185
401430175	2012	7	5	9	V	6.9	1	3.81	187
401430175	2012	7	5	10	V	7.1	4	4.9	193
401430175	2012	7	5	11	V	7.1	3	5.6	189
401430175	2012	7	5	12	V	8.9	1	4.66	191
401430175	2012	7	5	13	V	8.7	3	4.8	188
401430175	2012	7	5	14	V	10.9	1	5.05	195
401430175	2012	7	5	15	V	7.4	3	4.78	182
401430175	2012	7	5	16	V	6.4	2	5	168
401430175	2012	7	5	17	V	7.5	0	5	178
401430175	2012	7	5	18	V	13.6	1	4.02	190
401430175	2012	7	5	19	V	9.2	1	3.78	193
401430175	2012	7	5	20	V	3.1	0	2.49	183
401430175	2012	7	5	21	V	18.4	1	1.23	216
401430175	2012	7	5	22	V	14.2	1	1.31	215
401430175	2012	7	5	23	V	20.1	4	1.28	218
401430175	2012	7	5	24	V	18.4	0	1.23	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	6	1	V	11.2	1	0.55	253
401430175	2012	7	6	2	V	40.4	14	0.58	219
401430175	2012	7	6	3	V	7.2	20	0.58	335
401430175	2012	7	6	4	V	3.7	5	0.55	327
401430175	2012	7	6	5	V	4.5	3	0.53	286
401430175	2012	7	6	6	C	-999	2	0	0
401430175	2012	7	6	7	V	16.4	3	1.23	205
401430175	2012	7	6	8	V	13.2	-999	1.74	196
401430175	2012	7	6	9	V	13.1	4	3.27	210
401430175	2012	7	6	10	V	11.9	2	3.54	209
401430175	2012	7	6	11	V	6.4	5	2.56	183
401430175	2012	7	6	12	V	6.2	1	3.29	173
401430175	2012	7	6	13	V	7.2	2	3.88	178
401430175	2012	7	6	14	V	6.8	1	3.9	170
401430175	2012	7	6	15	V	5.3	5	4.34	164
401430175	2012	7	6	16	V	8.5	4	2.9	187
401430175	2012	7	6	17	V	8.8	9	3.29	186
401430175	2012	7	6	18	V	14.4	8	2.35	225
401430175	2012	7	6	19	V	11.2	4	1.82	231
401430175	2012	7	6	20	V	19.3	1	1.06	229
401430175	2012	7	6	21	V	35.6	1	0.8	226
401430175	2012	7	6	22	V	15.3	6	0.57	164
401430175	2012	7	6	23	V	1.7	10	0.75	267
401430175	2012	7	6	24	V	37.7	4	0.72	221
401430175	2012	7	7	1	V	23.6	2	0.53	171
401430175	2012	7	7	2	V	18.2	1	0.91	202
401430175	2012	7	7	3	V	7.9	2	0.86	244
401430175	2012	7	7	4	V	1.1	2	1.04	330
401430175	2012	7	7	5	V	2.0	1	0.91	247
401430175	2012	7	7	6	V	25.0	1	0.97	205
401430175	2012	7	7	7	V	9.3	1	0.77	248
401430175	2012	7	7	8	V	4.4	0	1.38	150
401430175	2012	7	7	9	V	1.5	0	4.1	89
401430175	2012	7	7	10	V	2.2	0	2.76	141
401430175	2012	7	7	11	V	4.3	0	1.6	155
401430175	2012	7	7	12	V	9.7	3	1.81	236
401430175	2012	7	7	13	V	6.4	1	1.94	227
401430175	2012	7	7	14	V	9.1	1	2.59	223
401430175	2012	7	7	15	V	8.6	0	2.78	225
401430175	2012	7	7	16	V	8.5	1	2.67	191
401430175	2012	7	7	17	V	7.7	1	3.85	179
401430175	2012	7	7	18	V	12.5	0	3.51	183
401430175	2012	7	7	19	V	7.8	1	2.66	177
401430175	2012	7	7	20	V	2.6	0	1.42	155
401430175	2012	7	7	21	V	3.8	0	0.53	261
401430175	2012	7	7	22	V	1.0	0	2.3	54

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	7	23	V	0.9	0	2.18	52
401430175	2012	7	7	24	V	4.0	0	0.63	354
401430175	2012	7	8	1	V	5.9	0	0.97	301
401430175	2012	7	8	2	V	26.5	0	1.21	219
401430175	2012	7	8	3	V	5.6	0	0.7	274
401430175	2012	7	8	4	V	0.8	0	1.79	357
401430175	2012	7	8	5	V	2.1	0	0.67	351
401430175	2012	7	8	6	V	35.6	0	1.14	220
401430175	2012	7	8	7	V	7.4	0	1.01	248
401430175	2012	7	8	8	V	9.8	7	1.64	181
401430175	2012	7	8	9	V	3.4	6	1.31	313
401430175	2012	7	8	10	V	3.4	9	1.09	2
401430175	2012	7	8	11	V	3.6	4	1.54	22
401430175	2012	7	8	12	V	4.3	1	1.13	346
401430175	2012	7	8	13	V	4.2	3	1.59	18
401430175	2012	7	8	14	V	4.1	2	2.71	12
401430175	2012	7	8	15	V	2.6	1	3.81	12
401430175	2012	7	8	16	V	3.3	0	3.2	348
401430175	2012	7	8	17	V	3.3	0	2.49	341
401430175	2012	7	8	18	V	6.9	0	2.2	356
401430175	2012	7	8	19	V	3.1	0	1.2	327
401430175	2012	7	8	20	V	13.8	0	2.3	219
401430175	2012	7	8	21	V	1.4	0	3.57	139
401430175	2012	7	8	22	V	7.8	4	2.2	171
401430175	2012	7	8	23	V	0.7	0	2.52	106
401430175	2012	7	8	24	V	2.2	0	1.77	117
401430175	2012	7	9	1	V	8.4	2	2.28	179
401430175	2012	7	9	2	V	14.3	7	0.92	236
401430175	2012	7	9	3	V	6.4	11	0.62	26
401430175	2012	7	9	4	V	2.3	6	0.67	344
401430175	2012	7	9	5	V	0.7	2	1.74	56
401430175	2012	7	9	6	V	8.4	0	1.64	89
401430175	2012	7	9	7	V	1.3	0	2.01	120
401430175	2012	7	9	8	V	5.4	0	1.53	154
401430175	2012	7	9	9	V	8.2	1	1.26	196
401430175	2012	7	9	10	V	3.0	5	1.48	94
401430175	2012	7	9	11	V	2.6	7	3.64	53
401430175	2012	7	9	12	V	3.3	5	3.98	41
401430175	2012	7	9	13	V	3.4	2	4.15	48
401430175	2012	7	9	14	V	3.8	2	5.55	48
401430175	2012	7	9	15	V	2.8	0	5.43	48
401430175	2012	7	9	16	V	3.3	0	5.16	46
401430175	2012	7	9	17	V	2.4	0	6.09	61
401430175	2012	7	9	18	V	6.2	0	5.75	53
401430175	2012	7	9	19	V	1.8	2	4.75	56
401430175	2012	7	9	20	V	2.0	0	4.63	55

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	9	21	V	1.4	0	4.56	65
401430175	2012	7	9	22	V	1.0	0	3.81	77
401430175	2012	7	9	23	V	0.8	0	2.67	96
401430175	2012	7	9	24	V	11.2	0	1.7	171
401430175	2012	7	10	1	V	11.9	0	0.8	242
401430175	2012	7	10	2	V	3.0	0	1.01	319
401430175	2012	7	10	3	V	5.2	0	0.8	337
401430175	2012	7	10	4	V	0.8	0	1.89	101
401430175	2012	7	10	5	V	0.8	0	1.28	88
401430175	2012	7	10	6	V	11.7	0	0.58	68
401430175	2012	7	10	7	V	3.1	0	1.14	29
401430175	2012	7	10	8	V	2.0	0	2.04	22
401430175	2012	7	10	9	V	3.3	0	3.37	37
401430175	2012	7	10	10	V	2.1	0	3.98	36
401430175	2012	7	10	11	V	2.8	0	4.54	39
401430175	2012	7	10	12	V	2.6	1	4.48	22
401430175	2012	7	10	13	V	3.0	1	3.8	6
401430175	2012	7	10	14	V	3.4	0	5.11	20
401430175	2012	7	10	15	V	2.3	1	5.33	18
401430175	2012	7	10	16	V	2.9	1	5.19	27
401430175	2012	7	10	17	V	2.6	1	5.04	30
401430175	2012	7	10	18	V	6.1	1	5.05	31
401430175	2012	7	10	19	V	1.7	0	3.83	20
401430175	2012	7	10	20	V	2.0	0	2.96	18
401430175	2012	7	10	21	V	1.4	0	1.77	2
401430175	2012	7	10	22	V	1.0	0	1.82	352
401430175	2012	7	10	23	V	1.1	0	0.99	18
401430175	2012	7	10	24	V	2.5	0	1.09	7
401430175	2012	7	11	1	V	13.0	0	1.89	175
401430175	2012	7	11	2	V	36.5	3	0.79	217
401430175	2012	7	11	3	V	8.2	2	0.53	279
401430175	2012	7	11	4	V	4.4	3	0.52	329
401430175	2012	7	11	5	V	1.6	1	0.77	347
401430175	2012	7	11	6	V	8.6	0	1.06	5
401430175	2012	7	11	7	V	3.1	0	0.96	356
401430175	2012	7	11	8	V	1.9	0	1.94	16
401430175	2012	7	11	9	V	3.2	2	2.08	46
401430175	2012	7	11	10	V	2.2	5	2.3	61
401430175	2012	7	11	11	V	2.9	2	2.66	36
401430175	2012	7	11	12	V	3.3	1	3.2	34
401430175	2012	7	11	13	V	3.5	1	3.57	51
401430175	2012	7	11	14	V	3.9	-999	4.41	52
401430175	2012	7	11	15	V	2.8	-999	4.87	46
401430175	2012	7	11	16	V	3.3	0	4.56	43
401430175	2012	7	11	17	V	2.8	0	5.12	50
401430175	2012	7	11	18	V	6.5	0	4.68	50

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	11	19	V	2.0	0	4.37	51
401430175	2012	7	11	20	V	2.3	0	2.96	51
401430175	2012	7	11	21	V	5.9	0	1.52	41
401430175	2012	7	11	22	V	1.2	0	1.16	353
401430175	2012	7	11	23	C	-999	0	0	0
401430175	2012	7	11	24	C	-999	0	0	0
401430175	2012	7	12	1	C	-999	0	0	0
401430175	2012	7	12	2	C	-999	0	0	0
401430175	2012	7	12	3	V	22.7	0	0.74	174
401430175	2012	7	12	4	V	34.1	1	0.8	226
401430175	2012	7	12	5	V	9.8	0	0.57	247
401430175	2012	7	12	6	V	10.3	1	0.63	298
401430175	2012	7	12	7	V	2.2	1	1.16	88
401430175	2012	7	12	8	V	11.1	2	1.14	176
401430175	2012	7	12	9	V	5.0	11	1.04	286
401430175	2012	7	12	10	V	2.0	3	2.2	68
401430175	2012	7	12	11	V	2.8	0	2.35	82
401430175	2012	7	12	12	V	2.9	0	3.76	83
401430175	2012	7	12	13	V	3.0	1	4.12	72
401430175	2012	7	12	14	V	3.7	0	3.98	91
401430175	2012	7	12	15	V	2.9	0	3.34	117
401430175	2012	7	12	16	V	3.9	0	2.67	59
401430175	2012	7	12	17	V	3.2	0	2.81	115
401430175	2012	7	12	18	V	6.8	0	2.56	108
401430175	2012	7	12	19	V	2.2	0	2.1	108
401430175	2012	7	12	20	V	1.9	0	1.86	74
401430175	2012	7	12	21	V	15.3	0	1.4	172
401430175	2012	7	12	22	V	3.4	0	0.6	291
401430175	2012	7	12	23	V	35.7	0	0.55	226
401430175	2012	7	12	24	V	6.5	0	1.62	180
401430175	2012	7	13	1	V	6.1	0	2.33	159
401430175	2012	7	13	2	V	5.1	5	1.42	193
401430175	2012	7	13	3	V	10.9	11	1.33	203
401430175	2012	7	13	4	V	33.0	9	0.96	225
401430175	2012	7	13	5	V	37.2	7	0.6	224
401430175	2012	7	13	6	V	45.0	11	0.74	220
401430175	2012	7	13	7	V	16.2	9	1.3	207
401430175	2012	7	13	8	V	9.5	12	2.49	196
401430175	2012	7	13	9	V	10.4	7	2.84	198
401430175	2012	7	13	10	V	8.5	2	2.08	223
401430175	2012	7	13	11	V	3.8	3	1.72	175
401430175	2012	7	13	12	V	4.2	5	1.76	99
401430175	2012	7	13	13	V	4.4	1	1.91	83
401430175	2012	7	13	14	V	4.4	0	2.37	84
401430175	2012	7	13	15	V	3.2	0	2.71	118
401430175	2012	7	13	16	V	3.8	0	2.72	121

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	13	17	V	2.3	0	7.4	99
401430175	2012	7	13	18	V	6.0	0	5.34	16
401430175	2012	7	13	19	V	5.5	0	1.48	163
401430175	2012	7	13	20	V	5.9	0	2.38	177
401430175	2012	7	13	21	V	1.6	3	1.01	280
401430175	2012	7	13	22	V	1.7	0	0.84	286
401430175	2012	7	13	23	V	1.6	0	0.77	314
401430175	2012	7	13	24	V	3.5	0	0.69	329
401430175	2012	7	14	1	V	12.5	0	0.97	238
401430175	2012	7	14	2	V	4.2	0	0.67	287
401430175	2012	7	14	3	V	5.2	0	0.79	337
401430175	2012	7	14	4	V	2.3	0	0.67	270
401430175	2012	7	14	5	C	-999	0	0	0
401430175	2012	7	14	6	V	36.6	0	0.65	231
401430175	2012	7	14	7	V	16.0	0	1.01	222
401430175	2012	7	14	8	V	9.5	2	0.91	166
401430175	2012	7	14	9	V	10.0	7	1.64	205
401430175	2012	7	14	10	V	7.1	6	1.71	219
401430175	2012	7	14	11	V	7.3	9	2.03	209
401430175	2012	7	14	12	V	4.4	10	1.25	197
401430175	2012	7	14	13	V	3.9	8	2.03	284
401430175	2012	7	14	14	V	4.6	4	2.35	84
401430175	2012	7	14	15	V	3.8	0	2.25	48
401430175	2012	7	14	16	V	3.7	0	2.83	30
401430175	2012	7	14	17	V	3.4	0	2.81	44
401430175	2012	7	14	18	V	8.2	1	6.23	157
401430175	2012	7	14	19	V	6.7	7	5.65	165
401430175	2012	7	14	20	V	7.0	1	4.41	171
401430175	2012	7	14	21	V	5.7	6	3.66	175
401430175	2012	7	14	22	V	5.6	1	3.24	167
401430175	2012	7	14	23	V	3.8	1	2.18	179
401430175	2012	7	14	24	V	3.6	1	1.57	192
401430175	2012	7	15	1	V	7.5	0	1.35	188
401430175	2012	7	15	2	V	10.9	0	1.25	210
401430175	2012	7	15	3	V	22.1	0	0.92	205
401430175	2012	7	15	4	V	1.4	0	0.87	254
401430175	2012	7	15	5	V	1.7	0	0.86	251
401430175	2012	7	15	6	V	29.2	0	0.67	235
401430175	2012	7	15	7	V	4.1	0	1.01	144
401430175	2012	7	15	8	V	7.5	0	1.62	165
401430175	2012	7	15	9	V	3.0	0	2.04	143
401430175	2012	7	15	10	V	2.1	0	2.57	141
401430175	2012	7	15	11	V	3.8	0	2.86	155
401430175	2012	7	15	12	V	3.0	0	3	118
401430175	2012	7	15	13	V	3.2	0	3.13	112
401430175	2012	7	15	14	V	3.7	0	4.12	130

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	15	15	V	2.4	1	4.48	119
401430175	2012	7	15	16	V	3.0	2	3.97	100
401430175	2012	7	15	17	V	2.5	1	4.73	129
401430175	2012	7	15	18	V	8.8	0	5.84	159
401430175	2012	7	15	19	V	3.2	0	3.75	152
401430175	2012	7	15	20	V	1.9	0	2.72	141
401430175	2012	7	15	21	V	1.4	0	2.4	118
401430175	2012	7	15	22	V	1.0	0	1.94	147
401430175	2012	7	15	23	V	18.2	0	1.09	173
401430175	2012	7	15	24	V	5.6	0	0.6	256
401430175	2012	7	16	1	V	9.9	0	0.82	243
401430175	2012	7	16	2	V	5.4	0	1.13	158
401430175	2012	7	16	3	V	7.2	0	1.96	180
401430175	2012	7	16	4	V	6.4	0	2.49	169
401430175	2012	7	16	5	V	4.6	0	2.44	177
401430175	2012	7	16	6	V	8.3	0	2.71	150
401430175	2012	7	16	7	V	5.5	0	3.41	165
401430175	2012	7	16	8	V	7.6	4	4.93	173
401430175	2012	7	16	9	V	6.0	10	4.44	186
401430175	2012	7	16	10	V	6.0	4	4.37	183
401430175	2012	7	16	11	V	9.2	4	4.75	197
401430175	2012	7	16	12	V	8.1	3	5.12	189
401430175	2012	7	16	13	V	7.6	10	4.58	182
401430175	2012	7	16	14	V	8.5	4	4.99	180
401430175	2012	7	16	15	V	7.9	6	5.02	186
401430175	2012	7	16	16	V	10.3	2	5.16	195
401430175	2012	7	16	17	V	10.6	5	4.92	196
401430175	2012	7	16	18	V	11.4	3	5.55	186
401430175	2012	7	16	19	V	8.7	5	5.17	195
401430175	2012	7	16	20	V	3.7	4	4.17	186
401430175	2012	7	16	21	V	5.4	14	3.17	178
401430175	2012	7	16	22	V	3.1	20	2.86	183
401430175	2012	7	16	23	V	5.9	23	3.12	175
401430175	2012	7	16	24	V	5.3	26	3.46	180
401430175	2012	7	17	1	V	7.3	15	3.46	184
401430175	2012	7	17	2	V	6.5	8	3.01	178
401430175	2012	7	17	3	V	12.2	16	2.04	171
401430175	2012	7	17	4	V	9.5	12	1.91	172
401430175	2012	7	17	5	V	9.1	15	1.76	175
401430175	2012	7	17	6	V	9.4	11	3.3	188
401430175	2012	7	17	7	V	5.4	3	4.14	189
401430175	2012	7	17	8	V	8.5	6	4.44	196
401430175	2012	7	17	9	V	10.4	5	4.94	201
401430175	2012	7	17	10	V	12.7	18	4.88	215
401430175	2012	7	17	11	V	11.8	24	4.66	211
401430175	2012	7	17	12	V	13.7	10	5.16	209

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	17	13	V	11.6	8	5.16	201
401430175	2012	7	17	14	V	10.4	6	5.07	193
401430175	2012	7	17	15	V	11.0	6	5.04	199
401430175	2012	7	17	16	V	7.6	10	5.97	181
401430175	2012	7	17	17	V	7.5	7	5.65	181
401430175	2012	7	17	18	V	12.9	8	5.29	192
401430175	2012	7	17	19	V	7.2	0	5.24	191
401430175	2012	7	17	20	V	2.7	0	3.95	194
401430175	2012	7	17	21	V	2.1	0	2.88	189
401430175	2012	7	17	22	V	1.8	2	2.62	185
401430175	2012	7	17	23	V	2.2	4	1.99	206
401430175	2012	7	17	24	V	5.2	3	1.67	207
401430175	2012	7	18	1	V	7.6	4	1.86	208
401430175	2012	7	18	2	V	6.0	2	1.59	202
401430175	2012	7	18	3	V	8.0	8	1.47	198
401430175	2012	7	18	4	V	2.8	20	1.82	204
401430175	2012	7	18	5	V	6.2	44	1.08	191
401430175	2012	7	18	6	V	24.4	40	1.03	206
401430175	2012	7	18	7	V	14.6	37	2.08	211
401430175	2012	7	18	8	V	13.1	34	3.71	217
401430175	2012	7	18	9	V	14.5	-999	4.7	220
401430175	2012	7	18	10	V	13.3	17	4.78	209
401430175	2012	7	18	11	V	10.0	16	3.46	200
401430175	2012	7	18	12	V	12.2	12	4.02	207
401430175	2012	7	18	13	V	12.6	7	4.31	207
401430175	2012	7	18	14	V	12.5	7	3.98	213
401430175	2012	7	18	15	V	11.8	11	4.03	218
401430175	2012	7	18	16	V	13.0	12	4.27	212
401430175	2012	7	18	17	V	13.2	11	3.97	210
401430175	2012	7	18	18	V	17.1	9	3.37	227
401430175	2012	7	18	19	V	16.7	18	3.51	210
401430175	2012	7	18	20	V	3.2	5	4.19	198
401430175	2012	7	18	21	V	2.6	1	2.88	202
401430175	2012	7	18	22	V	1.9	1	2.49	206
401430175	2012	7	18	23	V	2.0	0	2.98	202
401430175	2012	7	18	24	V	4.2	7	3.58	208
401430175	2012	7	19	1	V	7.1	23	3.76	205
401430175	2012	7	19	2	V	3.2	29	2.45	198
401430175	2012	7	19	3	V	5.6	24	2.78	207
401430175	2012	7	19	4	V	2.1	43	2.1	208
401430175	2012	7	19	5	V	9.5	38	3.05	216
401430175	2012	7	19	6	V	16.6	25	2.28	217
401430175	2012	7	19	7	V	15.5	4	3.22	218
401430175	2012	7	19	8	V	13.0	2	3.2	230
401430175	2012	7	19	9	V	8.6	0	3	236
401430175	2012	7	19	10	V	7.2	0	2.95	237

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	19	11	V	6.0	0	2.56	245
401430175	2012	7	19	12	V	8.6	1	2.37	209
401430175	2012	7	19	13	V	5.9	3	1.99	209
401430175	2012	7	19	14	V	9.5	1	2.81	214
401430175	2012	7	19	15	V	9.4	4	3.25	199
401430175	2012	7	19	16	V	9.2	5	2.98	193
401430175	2012	7	19	17	V	12.8	5	3.56	212
401430175	2012	7	19	18	V	17.5	1	3.71	230
401430175	2012	7	19	19	V	1.7	0	4	348
401430175	2012	7	19	20	V	2.0	1	3.88	146
401430175	2012	7	19	21	V	3.2	4	2.78	208
401430175	2012	7	19	22	V	12.8	8	2.4	226
401430175	2012	7	19	23	V	0.9	2	1.14	251
401430175	2012	7	19	24	V	2.5	2	1.04	290
401430175	2012	7	20	1	V	6.0	0	0.96	18
401430175	2012	7	20	2	V	16.2	3	1.04	166
401430175	2012	7	20	3	V	5.2	0	0.8	294
401430175	2012	7	20	4	V	1.1	1	1.06	342
401430175	2012	7	20	5	V	1.0	0	0.96	312
401430175	2012	7	20	6	V	12.3	0	0.52	285
401430175	2012	7	20	7	C	-999	1	0	0
401430175	2012	7	20	8	V	9.9	0	0.75	29
401430175	2012	7	20	9	V	5.0	0	0.89	26
401430175	2012	7	20	10	V	2.7	0	1.99	38
401430175	2012	7	20	11	V	2.7	1	2.38	22
401430175	2012	7	20	12	V	3.5	0	2.33	20
401430175	2012	7	20	13	V	3.7	0	2.52	18
401430175	2012	7	20	14	V	4.0	0	3.37	20
401430175	2012	7	20	15	V	3.0	1	3.22	17
401430175	2012	7	20	16	V	3.1	0	4.63	29
401430175	2012	7	20	17	V	2.8	0	5.14	37
401430175	2012	7	20	18	V	6.3	0	4.49	33
401430175	2012	7	20	19	V	1.8	0	4.99	34
401430175	2012	7	20	20	V	2.0	0	3.54	27
401430175	2012	7	20	21	V	1.4	0	2.45	30
401430175	2012	7	20	22	V	1.0	0	3.29	31
401430175	2012	7	20	23	V	0.8	0	2.86	26
401430175	2012	7	20	24	V	2.2	0	2.11	18
401430175	2012	7	21	1	V	5.6	0	1.76	359
401430175	2012	7	21	2	V	2.7	0	2.78	10
401430175	2012	7	21	3	V	4.4	0	2.44	11
401430175	2012	7	21	4	V	0.8	0	2.15	8
401430175	2012	7	21	5	V	0.7	0	1.67	6
401430175	2012	7	21	6	V	8.4	0	1.6	8
401430175	2012	7	21	7	V	1.3	0	2.38	24
401430175	2012	7	21	8	V	3.7	0	2.33	42

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	21	9	V	2.1	1	2.35	65
401430175	2012	7	21	10	V	1.7	1	2.44	83
401430175	2012	7	21	11	V	3.3	0	2.4	45
401430175	2012	7	21	12	V	3.0	0	3.42	29
401430175	2012	7	21	13	V	3.4	0	4.17	41
401430175	2012	7	21	14	V	3.6	0	4.37	65
401430175	2012	7	21	15	V	2.6	0	4.32	63
401430175	2012	7	21	16	V	3.0	0	4.75	67
401430175	2012	7	21	17	V	2.6	0	4.44	69
401430175	2012	7	21	18	V	6.1	0	4.75	69
401430175	2012	7	21	19	V	1.7	0	4.22	73
401430175	2012	7	21	20	V	1.9	0	3	78
401430175	2012	7	21	21	V	1.4	2	2.33	62
401430175	2012	7	21	22	V	1.0	1	3.47	90
401430175	2012	7	21	23	V	0.7	0	3.64	101
401430175	2012	7	21	24	V	2.2	0	2.37	120
401430175	2012	7	22	1	V	5.6	0	1.91	120
401430175	2012	7	22	2	V	2.6	2	2.62	122
401430175	2012	7	22	3	V	4.4	0	1.89	137
401430175	2012	7	22	4	V	13.1	0	0.92	164
401430175	2012	7	22	5	V	4.0	0	0.57	30
401430175	2012	7	22	6	C	-999	0	0	0
401430175	2012	7	22	7	V	8.1	0	1.48	177
401430175	2012	7	22	8	V	1.5	0	3.3	137
401430175	2012	7	22	9	V	1.9	0	3.61	144
401430175	2012	7	22	10	V	1.7	0	3.78	142
401430175	2012	7	22	11	V	2.2	0	3.51	130
401430175	2012	7	22	12	V	3.2	0	2.86	112
401430175	2012	7	22	13	V	3.0	0	3.88	92
401430175	2012	7	22	14	V	3.7	0	3.8	108
401430175	2012	7	22	15	V	2.7	0	3.59	110
401430175	2012	7	22	16	V	3.2	1	3.66	122
401430175	2012	7	22	17	V	2.8	2	3.9	132
401430175	2012	7	22	18	V	6.4	2	4.58	141
401430175	2012	7	22	19	V	1.7	0	3.92	134
401430175	2012	7	22	20	V	1.9	0	2.35	119
401430175	2012	7	22	21	C	-999	0	0	0
401430175	2012	7	22	22	V	14.1	0	0.72	188
401430175	2012	7	22	23	V	0.8	0	2.03	154
401430175	2012	7	22	24	V	5.5	4	2.84	180
401430175	2012	7	23	1	V	6.2	5	3.08	192
401430175	2012	7	23	2	V	4.3	6	2.08	182
401430175	2012	7	23	3	V	11.6	10	2.22	172
401430175	2012	7	23	4	V	5.9	12	3.01	168
401430175	2012	7	23	5	V	6.1	9	3.25	174
401430175	2012	7	23	6	V	15.0	14	2.32	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	23	7	V	7.3	12	1.98	171
401430175	2012	7	23	8	V	7.0	10	3.05	186
401430175	2012	7	23	9	V	6.7	9	3.59	181
401430175	2012	7	23	10	V	6.0	7	3.22	180
401430175	2012	7	23	11	V	7.0	3	3.75	183
401430175	2012	7	23	12	V	3.3	0	4.29	141
401430175	2012	7	23	13	V	3.8	0	4.9	147
401430175	2012	7	23	14	V	4.3	0	5	146
401430175	2012	7	23	15	V	4.9	0	4.95	160
401430175	2012	7	23	16	V	5.5	0	4.42	160
401430175	2012	7	23	17	V	6.7	1	4.61	171
401430175	2012	7	23	18	V	10.1	1	4.66	164
401430175	2012	7	23	19	V	8.1	0	4.68	170
401430175	2012	7	23	20	V	6.6	7	3.86	170
401430175	2012	7	23	21	V	3.7	9	3.68	183
401430175	2012	7	23	22	V	2.3	0	4.63	191
401430175	2012	7	23	23	V	2.3	1	4.32	187
401430175	2012	7	23	24	V	3.0	1	3.83	192
401430175	2012	7	24	1	V	6.4	6	3.46	189
401430175	2012	7	24	2	V	4.1	4	3.73	186
401430175	2012	7	24	3	V	5.1	6	2.64	186
401430175	2012	7	24	4	V	1.2	11	2.16	191
401430175	2012	7	24	5	V	1.0	5	2.42	194
401430175	2012	7	24	6	V	9.9	7	2.1	182
401430175	2012	7	24	7	V	6.3	6	2.55	185
401430175	2012	7	24	8	V	7.6	4	4.03	193
401430175	2012	7	24	9	V	6.0	3	5.12	187
401430175	2012	7	24	10	V	5.6	-999	5.6	187
401430175	2012	7	24	11	V	6.7	2	5.87	188
401430175	2012	7	24	12	V	7.1	3	6.33	183
401430175	2012	7	24	13	V	9.0	5	5.38	191
401430175	2012	7	24	14	V	12.1	11	4.78	200
401430175	2012	7	24	15	V	7.2	3	5.11	181
401430175	2012	7	24	16	V	7.5	5	6.02	180
401430175	2012	7	24	17	V	9.4	4	4.99	191
401430175	2012	7	24	18	V	14.7	2	5.5	198
401430175	2012	7	24	19	V	8.6	1	5.09	195
401430175	2012	7	24	20	V	3.9	3	4.85	187
401430175	2012	7	24	21	V	3.3	3	3.66	184
401430175	2012	7	24	22	V	2.2	13	2.76	185
401430175	2012	7	24	23	V	1.9	9	3.2	187
401430175	2012	7	24	24	V	5.3	22	3.27	181
401430175	2012	7	25	1	V	7.5	16	4.12	185
401430175	2012	7	25	2	V	4.4	15	4.19	186
401430175	2012	7	25	3	V	5.7	6	3.85	187
401430175	2012	7	25	4	V	4.0	16	2.88	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	25	5	V	6.8	18	2.54	171
401430175	2012	7	25	6	V	11.8	8	3.1	180
401430175	2012	7	25	7	V	5.2	7	3.86	185
401430175	2012	7	25	8	V	8.0	6	5.67	196
401430175	2012	7	25	9	V	7.8	6	5.97	196
401430175	2012	7	25	10	V	8.5	7	5.87	199
401430175	2012	7	25	11	V	9.8	21	5.46	200
401430175	2012	7	25	12	V	9.2	3	5.7	194
401430175	2012	7	25	13	V	8.0	9	6.31	188
401430175	2012	7	25	14	V	9.7	10	6.04	192
401430175	2012	7	25	15	V	8.5	12	6.47	192
401430175	2012	7	25	16	V	10.1	10	6.72	196
401430175	2012	7	25	17	V	10.6	3	6.55	198
401430175	2012	7	25	18	V	15.7	6	6.26	201
401430175	2012	7	25	19	V	8.1	2	6.43	195
401430175	2012	7	25	20	V	5.1	3	5.39	194
401430175	2012	7	25	21	V	3.4	2	4.61	186
401430175	2012	7	25	22	V	2.6	1	4.51	188
401430175	2012	7	25	23	V	2.5	0	4.82	188
401430175	2012	7	25	24	V	3.7	0	4.78	191
401430175	2012	7	26	1	V	7.0	1	4.73	193
401430175	2012	7	26	2	V	4.2	1	4.87	192
401430175	2012	7	26	3	V	5.3	9	2.98	198
401430175	2012	7	26	4	V	1.7	16	2.93	198
401430175	2012	7	26	5	V	0.9	4	1.71	242
401430175	2012	7	26	6	V	8.7	5	1.11	249
401430175	2012	7	26	7	V	6.7	2	2.35	182
401430175	2012	7	26	8	V	7.3	3	3.05	179
401430175	2012	7	26	9	V	8.5	6	4.51	196
401430175	2012	7	26	10	V	11.5	1	3.71	212
401430175	2012	7	26	11	V	7.7	7	3.03	236
401430175	2012	7	26	12	V	4.4	2	2.08	260
401430175	2012	7	26	13	V	4.1	0	2.08	45
401430175	2012	7	26	14	V	4.3	0	2.61	30
401430175	2012	7	26	15	V	3.4	0	1.88	24
401430175	2012	7	26	16	V	4.0	0	2.27	40
401430175	2012	7	26	17	V	2.9	0	2.49	106
401430175	2012	7	26	18	V	6.2	0	2.91	15
401430175	2012	7	26	19	V	1.8	0	3.17	7
401430175	2012	7	26	20	V	2.0	0	3.01	320
401430175	2012	7	26	21	V	6.2	1	4.22	169
401430175	2012	7	26	22	V	1.0	0	3.32	138
401430175	2012	7	26	23	V	1.2	0	2.52	186
401430175	2012	7	26	24	V	3.8	0	1.94	204
401430175	2012	7	27	1	V	12.5	1	2.38	170
401430175	2012	7	27	2	V	8.7	3	2.3	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	27	3	V	8.0	1	2.57	166
401430175	2012	7	27	4	V	8.4	6	1.99	174
401430175	2012	7	27	5	V	3.3	2	2.11	180
401430175	2012	7	27	6	V	25.5	1	1.11	213
401430175	2012	7	27	7	V	16.6	7	1.3	214
401430175	2012	7	27	8	V	14.5	6	1.89	201
401430175	2012	7	27	9	V	9.5	3	2.22	235
401430175	2012	7	27	10	V	4.9	8	1.65	197
401430175	2012	7	27	11	V	3.6	2	1.69	139
401430175	2012	7	27	12	V	4.1	0	1.93	105
401430175	2012	7	27	13	V	4.2	0	2.18	33
401430175	2012	7	27	14	V	5.1	0	2.54	145
401430175	2012	7	27	15	V	4.2	0	2.08	153
401430175	2012	7	27	16	V	4.3	1	2.55	133
401430175	2012	7	27	17	V	4.4	0	3.24	150
401430175	2012	7	27	18	V	12.9	0	3	185
401430175	2012	7	27	19	V	8.0	5	4.1	172
401430175	2012	7	27	20	V	2.5	4	2.86	192
401430175	2012	7	27	21	V	27.7	3	0.99	226
401430175	2012	7	27	22	V	3.6	3	0.56	267
401430175	2012	7	27	23	V	23.4	14	1.14	228
401430175	2012	7	27	24	V	4.1	1	1.25	240
401430175	2012	7	28	1	V	6.5	1	0.77	263
401430175	2012	7	28	2	V	6.1	1	0.55	357
401430175	2012	7	28	3	V	6.4	4	0.62	292
401430175	2012	7	28	4	V	1.2	1	0.94	345
401430175	2012	7	28	5	V	1.8	0	0.72	286
401430175	2012	7	28	6	V	10.3	0	0.63	278
401430175	2012	7	28	7	V	13.8	0	1.16	203
401430175	2012	7	28	8	V	17.9	3	1.25	205
401430175	2012	7	28	9	V	12.8	1	1.76	230
401430175	2012	7	28	10	V	4.9	0	1.69	244
401430175	2012	7	28	11	V	5.2	0	1.74	243
401430175	2012	7	28	12	V	7.8	0	2.33	199
401430175	2012	7	28	13	V	5.5	2	2.27	189
401430175	2012	7	28	14	V	8.4	2	3.27	185
401430175	2012	7	28	15	V	5.8	0	2.83	174
401430175	2012	7	28	16	V	6.7	5	4.27	172
401430175	2012	7	28	17	V	6.4	1	4.27	169
401430175	2012	7	28	18	V	9.3	0	3.67	160
401430175	2012	7	28	19	V	5.1	0	3.83	159
401430175	2012	7	28	20	V	1.9	0	2.84	150
401430175	2012	7	28	21	V	30.0	0	0.87	216
401430175	2012	7	28	22	V	36.3	0	0.53	213
401430175	2012	7	28	23	V	2.1	2	0.69	289
401430175	2012	7	28	24	V	30.2	4	0.97	216

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	29	1	C	-999	6	0	0
401430175	2012	7	29	2	V	5.5	8	0.58	338
401430175	2012	7	29	3	V	21.8	8	0.52	241
401430175	2012	7	29	4	V	17.8	2	1.48	222
401430175	2012	7	29	5	V	10.2	0	1.59	230
401430175	2012	7	29	6	V	20.0	0	2.3	225
401430175	2012	7	29	7	V	10.1	0	2.47	233
401430175	2012	7	29	8	V	9.5	0	2.45	233
401430175	2012	7	29	9	V	8.1	1	3.97	236
401430175	2012	7	29	10	V	11.2	5	5.16	226
401430175	2012	7	29	11	V	9.4	5	4.71	232
401430175	2012	7	29	12	V	8.5	4	4.19	237
401430175	2012	7	29	13	V	11.1	2	3.83	218
401430175	2012	7	29	14	V	12.0	0	3.93	220
401430175	2012	7	29	15	V	9.8	7	3.37	220
401430175	2012	7	29	16	V	10.8	6	3.39	222
401430175	2012	7	29	17	V	10.4	5	3.44	231
401430175	2012	7	29	18	V	12.3	8	4.39	183
401430175	2012	7	29	19	V	13.6	8	1.84	219
401430175	2012	7	29	20	V	13.7	7	1.35	216
401430175	2012	7	29	21	V	3.2	3	1.93	209
401430175	2012	7	29	22	V	2.7	9	2.98	207
401430175	2012	7	29	23	V	1.7	9	2.28	205
401430175	2012	7	29	24	V	8.4	7	1.28	199
401430175	2012	7	30	1	V	16.0	24	0.94	196
401430175	2012	7	30	2	V	10.5	27	1.94	218
401430175	2012	7	30	3	V	14.3	6	2.74	227
401430175	2012	7	30	4	V	7.4	0	1.99	231
401430175	2012	7	30	5	V	9.9	1	2.81	229
401430175	2012	7	30	6	V	13.0	3	1.96	215
401430175	2012	7	30	7	V	16.1	7	2.96	217
401430175	2012	7	30	8	V	13.2	0	3.71	220
401430175	2012	7	30	9	V	10.8	3	4.29	231
401430175	2012	7	30	10	V	6.8	4	4.44	237
401430175	2012	7	30	11	V	11.5	0	4.86	225
401430175	2012	7	30	12	V	7.7	0	2.86	236
401430175	2012	7	30	13	V	11.5	0	4.36	202
401430175	2012	7	30	14	V	5.1	-999	1.76	244
401430175	2012	7	30	15	V	7.5	-999	2.86	230
401430175	2012	7	30	16	V	10.5	2	4.86	194
401430175	2012	7	30	17	V	12.0	4	3.86	225
401430175	2012	7	30	18	V	15.3	3	3.36	195
401430175	2012	7	30	19	V	9.2	6	3.72	194
401430175	2012	7	30	20	V	2.9	0	2.13	200
401430175	2012	7	30	21	V	2.7	0	2.11	206
401430175	2012	7	30	22	V	2.0	6	3.83	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	7	30	23	V	1.6	8	3.63	197
401430175	2012	7	30	24	V	3.0	8	2.37	202
401430175	2012	7	31	1	V	7.6	9	2.11	212
401430175	2012	7	31	2	V	13.0	33	2.18	224
401430175	2012	7	31	3	V	13.3	12	2.61	217
401430175	2012	7	31	4	V	11.3	2	3.17	218
401430175	2012	7	31	5	V	10.0	0	2.64	228
401430175	2012	7	31	6	V	13.3	10	2.13	216
401430175	2012	7	31	7	V	16.0	20	2.13	209
401430175	2012	7	31	8	V	13.3	15	3.03	215
401430175	2012	7	31	9	V	14.5	12	2.95	222
401430175	2012	7	31	10	V	10.3	2	2.71	227
401430175	2012	7	31	11	V	11.1	7	3.75	224
401430175	2012	7	31	12	V	11.2	5	3.35	209
401430175	2012	7	31	13	V	7.9	5	3.46	184
401430175	2012	7	31	14	V	7.6	3	4.02	176
401430175	2012	7	31	15	V	5.8	2	3.93	170
401430175	2012	7	31	16	V	6.9	4	3.98	174
401430175	2012	7	31	17	V	10.3	4	4.82	193
401430175	2012	7	31	18	V	11.5	8	5.7	179
401430175	2012	7	31	19	V	7.9	26	5.65	176
401430175	2012	7	31	20	V	4.2	17	3.71	183
401430175	2012	7	31	21	V	1.9	1	2.69	194
401430175	2012	7	31	22	V	1.7	1	3.58	192
401430175	2012	7	31	23	V	1.5	0	2.96	195
401430175	2012	7	31	24	V	2.8	1	2.27	196
401430175	2012	8	1	1	V	8.3	3	2.03	213
401430175	2012	8	1	2	V	4.9	16	3.08	209
401430175	2012	8	1	3	V	5.5	27	2.37	209
401430175	2012	8	1	4	V	2.1	12	2.13	209
401430175	2012	8	1	5	C	-999	4	0	0
401430175	2012	8	1	6	C	-999	3	0	0
401430175	2012	8	1	7	V	7.3	9	2.36	177
401430175	2012	8	1	8	V	11.4	6	2.86	202
401430175	2012	8	1	9	V	17.5	13	3.86	218
401430175	2012	8	1	10	V	15.9	9	3.81	209
401430175	2012	8	1	11	V	10.5	7	3.39	198
401430175	2012	8	1	12	V	15.8	5	2.98	208
401430175	2012	8	1	13	V	3.0	1	2.88	267
401430175	2012	8	1	14	V	3.4	1	4.48	27
401430175	2012	8	1	15	V	2.9	1	2.33	118
401430175	2012	8	1	16	V	3.8	1	3.63	41
401430175	2012	8	1	17	V	3.4	1	2.52	51
401430175	2012	8	1	18	V	6.3	1	2.96	62
401430175	2012	8	1	19	V	1.7	1	3.37	113
401430175	2012	8	1	20	V	4.8	6	4.58	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	1	21	V	2.2	6	3.37	195
401430175	2012	8	1	22	V	1.9	1	3.32	189
401430175	2012	8	1	23	V	2.3	6	3.74	204
401430175	2012	8	1	24	V	3.2	2	2.66	202
401430175	2012	8	2	1	V	7.8	15	3.2	208
401430175	2012	8	2	2	V	13.9	45	3.86	210
401430175	2012	8	2	3	V	5.4	32	2.79	201
401430175	2012	8	2	4	V	3.8	25	1.28	185
401430175	2012	8	2	5	V	1.9	35	1.6	192
401430175	2012	8	2	6	V	27.6	36	0.96	207
401430175	2012	8	2	7	V	10.4	49	1.81	199
401430175	2012	8	2	8	V	8.5	7	1.96	238
401430175	2012	8	2	9	V	2.5	0	1.86	257
401430175	2012	8	2	10	V	1.4	1	2.57	328
401430175	2012	8	2	11	V	14.1	11	1.43	218
401430175	2012	8	2	12	V	2.8	3	2.42	117
401430175	2012	8	2	13	V	2.8	1	3.24	108
401430175	2012	8	2	14	V	7.0	1	2.21	169
401430175	2012	8	2	15	V	11.8	7	2.33	209
401430175	2012	8	2	16	V	14.6	5	2.98	206
401430175	2012	8	2	17	V	7.5	1	4.29	240
401430175	2012	8	2	18	V	14.7	1	2.5	236
401430175	2012	8	2	19	V	10.0	1	1.11	234
401430175	2012	8	2	20	V	3.2	0	3.85	200
401430175	2012	8	2	21	V	1.4	4	2.45	266
401430175	2012	8	2	22	V	2.0	13	2.39	206
401430175	2012	8	2	23	V	6.3	15	1.76	215
401430175	2012	8	2	24	V	13.5	26	1.6	218
401430175	2012	8	3	1	V	12.5	6	1.33	204
401430175	2012	8	3	2	V	3.1	1	1.04	95
401430175	2012	8	3	3	V	4.8	0	0.99	93
401430175	2012	8	3	4	V	0.8	0	1.54	149
401430175	2012	8	3	5	V	1.5	0	1.57	158
401430175	2012	8	3	6	V	21.7	0	1.4	170
401430175	2012	8	3	7	V	7.5	15	3.07	173
401430175	2012	8	3	8	V	4.8	1	3.68	162
401430175	2012	8	3	9	V	7.7	1	2.57	172
401430175	2012	8	3	10	V	1.4	1	3.3	141
401430175	2012	8	3	11	V	1.7	0	4.9	109
401430175	2012	8	3	12	V	2.4	1	4.29	105
401430175	2012	8	3	13	V	4.1	1	3.51	36
401430175	2012	8	3	14	V	3.5	1	2.86	70
401430175	2012	8	3	15	V	2.2	0	4.61	104
401430175	2012	8	3	16	V	2.7	0	4.34	132
401430175	2012	8	3	17	V	2.4	0	4.48	137
401430175	2012	8	3	18	V	10.4	2	5.63	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	3	19	V	6.2	3	6.58	192
401430175	2012	8	3	20	V	6.4	1	5.82	191
401430175	2012	8	3	21	V	4.2	1	5.38	186
401430175	2012	8	3	22	V	3.4	1	5.31	188
401430175	2012	8	3	23	V	5.2	5	5.73	193
401430175	2012	8	3	24	V	6.3	8	5.43	197
401430175	2012	8	4	1	V	8.8	12	5.22	198
401430175	2012	8	4	2	V	5.0	7	4.93	198
401430175	2012	8	4	3	V	5.3	28	4.14	194
401430175	2012	8	4	4	V	1.3	18	2.88	193
401430175	2012	8	4	5	V	9.1	11	2.05	229
401430175	2012	8	4	6	V	16.0	6	0.99	184
401430175	2012	8	4	7	V	7.5	15	3.32	173
401430175	2012	8	4	8	V	5.4	22	4.71	187
401430175	2012	8	4	9	V	13.7	37	5.29	207
401430175	2012	8	4	10	V	13.4	32	5.85	208
401430175	2012	8	4	11	V	10.7	28	6.07	202
401430175	2012	8	4	12	V	11.5	22	5.73	202
401430175	2012	8	4	13	V	14.9	18	4.75	223
401430175	2012	8	4	14	V	16.0	16	4.75	215
401430175	2012	8	4	15	V	15.4	5	4.68	218
401430175	2012	8	4	16	V	15.7	10	3.25	221
401430175	2012	8	4	17	V	15.4	14	3.35	225
401430175	2012	8	4	18	V	19.9	24	4.58	207
401430175	2012	8	4	19	V	10.7	29	5.04	199
401430175	2012	8	4	20	V	8.0	3	5.7	194
401430175	2012	8	4	21	V	1.6	4	3.85	307
401430175	2012	8	4	22	V	4.6	5	1.11	237
401430175	2012	8	4	23	V	5.8	3	1.04	191
401430175	2012	8	4	24	V	2.4	0	1.26	2
401430175	2012	8	5	1	V	5.6	0	2.78	3
401430175	2012	8	5	2	V	3.0	0	6.52	10
401430175	2012	8	5	3	V	4.5	0	4.7	17
401430175	2012	8	5	4	V	0.9	0	4.29	16
401430175	2012	8	5	5	V	0.6	0	2.38	19
401430175	2012	8	5	6	V	8.7	0	0.87	325
401430175	2012	8	5	7	V	1.5	0	1.26	352
401430175	2012	8	5	8	V	2.0	0	1.37	348
401430175	2012	8	5	9	V	2.9	0	1.2	339
401430175	2012	8	5	10	V	1.4	0	2.78	19
401430175	2012	8	5	11	V	2.1	0	2.38	344
401430175	2012	8	5	12	V	2.5	0	3.66	8
401430175	2012	8	5	13	V	2.7	0	4.88	27
401430175	2012	8	5	14	V	4.6	2	5.43	42
401430175	2012	8	5	15	V	3.0	2	4.61	37
401430175	2012	8	5	16	V	2.8	2	4.02	24

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	5	17	V	2.5	2	3.44	14
401430175	2012	8	5	18	V	6.0	1	3.71	25
401430175	2012	8	5	19	V	1.6	0	4.34	31
401430175	2012	8	5	20	V	1.9	1	2.4	25
401430175	2012	8	5	21	V	1.4	1	1.65	356
401430175	2012	8	5	22	V	1.0	0	1.82	352
401430175	2012	8	5	23	V	0.9	0	1.3	360
401430175	2012	8	5	24	V	2.5	0	1.09	14
401430175	2012	8	6	1	V	5.6	0	1.5	11
401430175	2012	8	6	2	V	2.7	0	1.93	9
401430175	2012	8	6	3	V	4.4	0	1.91	3
401430175	2012	8	6	4	V	1.6	0	0.77	319
401430175	2012	8	6	5	V	0.8	0	1.18	4
401430175	2012	8	6	6	V	8.3	0	2.32	9
401430175	2012	8	6	7	V	1.2	0	1.72	14
401430175	2012	8	6	8	V	1.8	0	2.4	23
401430175	2012	8	6	9	V	2.4	0	1.98	27
401430175	2012	8	6	10	V	1.8	0	1.96	66
401430175	2012	8	6	11	V	2.2	0	2.3	98
401430175	2012	8	6	12	V	3.3	0	2.66	57
401430175	2012	8	6	13	V	2.9	0	3.24	21
401430175	2012	8	6	14	V	3.7	0	2.61	9
401430175	2012	8	6	15	V	2.8	0	3.25	30
401430175	2012	8	6	16	V	3.8	0	3.18	42
401430175	2012	8	6	17	V	3.1	1	2.16	25
401430175	2012	8	6	18	V	7.0	1	2.69	42
401430175	2012	8	6	19	V	1.7	2	2.06	22
401430175	2012	8	6	20	V	2.7	2	0.63	6
401430175	2012	8	6	21	V	1.7	1	0.99	359
401430175	2012	8	6	22	V	1.2	0	1.21	1
401430175	2012	8	6	23	V	2.0	0	0.72	2
401430175	2012	8	6	24	V	2.5	0	1.08	347
401430175	2012	8	7	1	V	5.6	0	1.82	359
401430175	2012	8	7	2	V	2.9	0	1.09	269
401430175	2012	8	7	3	V	5.3	0	0.75	300
401430175	2012	8	7	4	V	1.7	0	0.75	307
401430175	2012	8	7	5	V	3.9	0	0.67	251
401430175	2012	8	7	6	V	11.1	0	0.58	4
401430175	2012	8	7	7	V	14.4	2	0.97	226
401430175	2012	8	7	8	V	8.4	2	0.92	165
401430175	2012	8	7	9	V	2.4	4	2.33	146
401430175	2012	8	7	10	V	7.9	-999	2.28	178
401430175	2012	8	7	11	V	8.5	2	1.77	180
401430175	2012	8	7	12	V	3.3	6	1.84	116
401430175	2012	8	7	13	V	3.2	1	2.57	24
401430175	2012	8	7	14	V	3.9	1	2.64	64

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	7	15	V	2.8	1	4.1	53
401430175	2012	8	7	16	V	3.3	0	3.78	54
401430175	2012	8	7	17	V	3.3	0	3	38
401430175	2012	8	7	18	V	6.9	3	3.07	46
401430175	2012	8	7	19	V	1.7	1	2.57	30
401430175	2012	8	7	20	V	2.0	1	1.18	360
401430175	2012	8	7	21	V	1.4	1	1.67	280
401430175	2012	8	7	22	V	1.0	2	1.72	268
401430175	2012	8	7	23	V	0.8	1	1.67	299
401430175	2012	8	7	24	V	2.3	1	1.36	283
401430175	2012	8	8	1	V	22.7	0	1.48	223
401430175	2012	8	8	2	V	7.7	1	1.81	233
401430175	2012	8	8	3	V	20.3	1	0.84	235
401430175	2012	8	8	4	V	6.2	2	1.55	213
401430175	2012	8	8	5	V	21.0	5	1.21	228
401430175	2012	8	8	6	V	9.1	3	1.86	186
401430175	2012	8	8	7	V	17.1	17	1.7	213
401430175	2012	8	8	8	V	6.1	2	1.64	244
401430175	2012	8	8	9	V	1.9	0	2.08	306
401430175	2012	8	8	10	V	1.8	0	1.74	334
401430175	2012	8	8	11	V	2.6	0	1.71	294
401430175	2012	8	8	12	V	3.0	0	2.06	289
401430175	2012	8	8	13	V	3.1	1	2.44	308
401430175	2012	8	8	14	V	3.6	0	2.86	285
401430175	2012	8	8	15	V	2.4	0	3.39	313
401430175	2012	8	8	16	V	3.0	0	2.83	305
401430175	2012	8	8	17	V	2.8	0	3.41	57
401430175	2012	8	8	18	V	10.9	1	6.99	166
401430175	2012	8	8	19	V	8.7	12	6.6	170
401430175	2012	8	8	20	V	7.7	6	6.3	166
401430175	2012	8	8	21	V	6.6	1	5.04	168
401430175	2012	8	8	22	V	6.1	3	4.46	176
401430175	2012	8	8	23	V	3.5	7	3.42	181
401430175	2012	8	8	24	V	2.9	1	3.1	192
401430175	2012	8	9	1	V	11.3	3	2.96	173
401430175	2012	8	9	2	V	2.7	0	3.17	135
401430175	2012	8	9	3	V	9.1	6	3.18	176
401430175	2012	8	9	4	V	2.6	9	3.35	184
401430175	2012	8	9	5	V	1.6	1	3.32	197
401430175	2012	8	9	6	V	14.5	12	2.38	214
401430175	2012	8	9	7	V	17.1	4	2.66	221
401430175	2012	8	9	8	V	6.8	1	3.17	238
401430175	2012	8	9	9	V	1.7	0	2.61	277
401430175	2012	8	9	10	V	1.3	0	2.71	325
401430175	2012	8	9	11	V	1.7	0	4.37	17
401430175	2012	8	9	12	V	2.4	0	5.33	17

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	9	13	V	2.6	0	5.6	19
401430175	2012	8	9	14	V	3.2	0	5.1	17
401430175	2012	8	9	15	V	2.2	0	4.82	18
401430175	2012	8	9	16	V	2.7	0	5.33	27
401430175	2012	8	9	17	V	2.3	0	5.07	24
401430175	2012	8	9	18	V	6.0	0	4.27	15
401430175	2012	8	9	19	V	1.6	0	4.54	23
401430175	2012	8	9	20	V	1.9	0	2.23	10
401430175	2012	8	9	21	V	1.4	0	1.67	355
401430175	2012	8	9	22	V	1.1	0	3.85	11
401430175	2012	8	9	23	V	1.0	0	5.46	17
401430175	2012	8	9	24	V	2.5	0	5.36	19
401430175	2012	8	10	1	V	5.7	0	4.7	18
401430175	2012	8	10	2	V	2.7	0	3.61	17
401430175	2012	8	10	3	V	4.4	0	2.98	14
401430175	2012	8	10	4	V	0.7	0	2.2	7
401430175	2012	8	10	5	V	0.7	0	2.39	6
401430175	2012	8	10	6	V	8.4	0	2.11	5
401430175	2012	8	10	7	V	1.1	0	2.5	6
401430175	2012	8	10	8	V	1.6	0	2.66	7
401430175	2012	8	10	9	V	1.6	0	3.74	18
401430175	2012	8	10	10	V	1.2	0	4	19
401430175	2012	8	10	11	V	1.8	0	3.97	7
401430175	2012	8	10	12	V	2.4	0	5.41	14
401430175	2012	8	10	13	V	2.6	0	5.8	14
401430175	2012	8	10	14	V	3.2	0	5.04	3
401430175	2012	8	10	15	V	2.2	0	5.51	15
401430175	2012	8	10	16	V	2.7	0	5.6	25
401430175	2012	8	10	17	V	2.3	0	5.58	21
401430175	2012	8	10	18	V	6.0	0	4.1	13
401430175	2012	8	10	19	V	1.6	0	3.32	15
401430175	2012	8	10	20	V	1.9	0	1.86	3
401430175	2012	8	10	21	V	1.7	0	0.91	341
401430175	2012	8	10	22	V	1.1	0	1.26	357
401430175	2012	8	10	23	V	1.8	0	2.62	39
401430175	2012	8	10	24	V	3.5	0	2.69	49
401430175	2012	8	11	1	V	5.6	0	2.11	31
401430175	2012	8	11	2	V	3.1	0	0.92	325
401430175	2012	8	11	3	V	4.4	0	1.48	359
401430175	2012	8	11	4	V	2.5	0	0.65	332
401430175	2012	8	11	5	V	2.4	0	0.63	328
401430175	2012	8	11	6	V	8.5	0	1.25	351
401430175	2012	8	11	7	V	1.4	0	0.84	14
401430175	2012	8	11	8	V	3.8	0	2.03	50
401430175	2012	8	11	9	V	1.6	1	3.37	119
401430175	2012	8	11	10	V	2.0	1	2.57	147

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	11	11	V	2.1	0	2.45	129
401430175	2012	8	11	12	V	2.8	0	2.69	124
401430175	2012	8	11	13	V	3.7	0	2.1	133
401430175	2012	8	11	14	V	3.7	1	2.52	118
401430175	2012	8	11	15	V	2.7	0	2.62	89
401430175	2012	8	11	16	V	2.9	2	3.56	106
401430175	2012	8	11	17	V	2.4	0	3.88	115
401430175	2012	8	11	18	V	6.0	0	4.12	120
401430175	2012	8	11	19	V	1.6	0	4.61	122
401430175	2012	8	11	20	V	1.9	0	3.75	125
401430175	2012	8	11	21	V	1.4	0	2.96	136
401430175	2012	8	11	22	V	13.7	0	1.2	170
401430175	2012	8	11	23	C	-999	0	0	0
401430175	2012	8	11	24	V	22.4	0	0.97	208
401430175	2012	8	12	1	V	22.6	0	1.09	174
401430175	2012	8	12	2	V	4.1	0	1.38	158
401430175	2012	8	12	3	V	14.6	0	1.2	165
401430175	2012	8	12	4	V	1.5	5	0.89	251
401430175	2012	8	12	5	V	23.1	5	1.11	216
401430175	2012	8	12	6	V	16.3	2	1.82	175
401430175	2012	8	12	7	V	7.0	1	3.35	172
401430175	2012	8	12	8	V	6.8	8	3.18	175
401430175	2012	8	12	9	V	6.8	0	3.59	165
401430175	2012	8	12	10	V	3.4	0	3.2	156
401430175	2012	8	12	11	V	8.3	0	4.46	170
401430175	2012	8	12	12	V	7.8	1	4.71	174
401430175	2012	8	12	13	V	7.5	4	5.04	179
401430175	2012	8	12	14	V	8.2	7	4.49	186
401430175	2012	8	12	15	V	8.7	4	4	192
401430175	2012	8	12	16	V	8.1	7	4.22	187
401430175	2012	8	12	17	V	14.8	2	2.59	226
401430175	2012	8	12	18	V	10.6	4	0.92	248
401430175	2012	8	12	19	V	8.1	2	1.94	194
401430175	2012	8	12	20	V	5.4	1	3.46	164
401430175	2012	8	12	21	V	1.4	2	2.3	274
401430175	2012	8	12	22	V	1.0	0	2.62	337
401430175	2012	8	12	23	V	0.8	0	3.61	350
401430175	2012	8	12	24	V	2.4	0	4.95	3
401430175	2012	8	13	1	V	5.6	0	2.83	5
401430175	2012	8	13	2	V	2.7	0	1.98	8
401430175	2012	8	13	3	V	4.4	0	1.98	5
401430175	2012	8	13	4	V	0.8	0	1.55	352
401430175	2012	8	13	5	V	0.7	0	2.03	352
401430175	2012	8	13	6	V	8.4	0	2.49	352
401430175	2012	8	13	7	V	1.0	0	3.54	357
401430175	2012	8	13	8	V	1.4	0	3.74	354

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	13	9	V	1.6	0	3.39	344
401430175	2012	8	13	10	V	1.2	0	3.68	351
401430175	2012	8	13	11	V	1.8	-999	4.09	358
401430175	2012	8	13	12	V	2.5	-999	4.24	359
401430175	2012	8	13	13	V	2.6	-999	5.14	15
401430175	2012	8	13	14	V	3.3	-999	4.87	23
401430175	2012	8	13	15	V	2.3	-999	4.68	26
401430175	2012	8	13	16	V	2.7	0	4.93	22
401430175	2012	8	13	17	V	2.4	0	3.93	21
401430175	2012	8	13	18	V	6.1	0	3.37	21
401430175	2012	8	13	19	V	1.9	0	4.12	29
401430175	2012	8	13	20	V	1.9	0	3.13	27
401430175	2012	8	13	21	V	2.0	0	3.22	38
401430175	2012	8	13	22	V	1.0	0	2.81	32
401430175	2012	8	13	23	V	0.8	0	2.89	27
401430175	2012	8	13	24	V	5.6	0	4.53	43
401430175	2012	8	14	1	V	5.6	0	3.56	69
401430175	2012	8	14	2	V	2.7	0	2.79	91
401430175	2012	8	14	3	V	4.4	0	1.69	87
401430175	2012	8	14	4	V	0.8	0	1.89	20
401430175	2012	8	14	5	V	0.7	0	1.93	29
401430175	2012	8	14	6	V	12.6	0	2.08	41
401430175	2012	8	14	7	V	1.0	0	2.57	63
401430175	2012	8	14	8	V	1.6	0	2.57	97
401430175	2012	8	14	9	V	1.5	0	4.46	93
401430175	2012	8	14	10	V	1.2	-999	4.05	112
401430175	2012	8	14	11	V	2.0	-999	3.23	138
401430175	2012	8	14	12	V	2.6	-999	3.12	99
401430175	2012	8	14	13	V	2.7	-999	3.81	76
401430175	2012	8	14	14	V	4.0	-999	3.61	55
401430175	2012	8	14	15	V	2.3	-999	3.97	19
401430175	2012	8	14	16	V	2.7	-999	4.44	18
401430175	2012	8	14	17	V	2.3	-999	5.31	16
401430175	2012	8	14	18	V	6.1	1	2.03	110
401430175	2012	8	14	19	V	1.7	0	1.5	98
401430175	2012	8	14	20	V	1.9	0	1.57	87
401430175	2012	8	14	21	V	2.3	0	1.64	51
401430175	2012	8	14	22	V	1.1	0	1.33	7
401430175	2012	8	14	23	V	1.0	0	1.03	8
401430175	2012	8	14	24	V	2.3	0	1.38	9
401430175	2012	8	15	1	V	5.7	0	1.18	15
401430175	2012	8	15	2	V	3.5	0	0.79	289
401430175	2012	8	15	3	V	6.0	0	0.67	353
401430175	2012	8	15	4	V	2.2	0	0.69	347
401430175	2012	8	15	5	C	-999	0	0	0
401430175	2012	8	15	6	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	15	7	V	10.6	0	0.89	194
401430175	2012	8	15	8	V	8.4	0	2.81	177
401430175	2012	8	15	9	V	6.2	8	4.29	182
401430175	2012	8	15	10	V	7.9	9	5.02	196
401430175	2012	8	15	11	V	8.9	6	3.81	195
401430175	2012	8	15	12	V	15.9	5	3.85	208
401430175	2012	8	15	13	V	8.6	4	3.52	188
401430175	2012	8	15	14	V	12.1	4	4	199
401430175	2012	8	15	15	V	13.6	7	3.49	204
401430175	2012	8	15	16	V	11.3	6	4.1	198
401430175	2012	8	15	17	V	10.8	6	4.53	198
401430175	2012	8	15	18	V	14.8	15	5.04	199
401430175	2012	8	15	19	V	10.6	15	5.56	199
401430175	2012	8	15	20	V	3.5	12	4.68	196
401430175	2012	8	15	21	V	2.9	2	4.44	188
401430175	2012	8	15	22	V	2.4	7	4.34	188
401430175	2012	8	15	23	V	1.7	8	3.74	189
401430175	2012	8	15	24	V	3.0	12	3.3	191
401430175	2012	8	16	1	V	6.6	5	2.11	201
401430175	2012	8	16	2	V	8.7	3	1.33	201
401430175	2012	8	16	3	V	4.8	8	2.18	189
401430175	2012	8	16	4	V	1.6	8	2.81	187
401430175	2012	8	16	5	V	2.9	19	3.29	183
401430175	2012	8	16	6	V	14.7	11	2.25	174
401430175	2012	8	16	7	V	7.4	18	2.05	170
401430175	2012	8	16	8	V	6.3	14	3.86	190
401430175	2012	8	16	9	V	10.3	15	5.22	200
401430175	2012	8	16	10	V	15.8	10	4.22	220
401430175	2012	8	16	11	V	6.5	1	4.14	239
401430175	2012	8	16	12	V	9.6	0	5.09	234
401430175	2012	8	16	13	V	12.7	1	4.92	229
401430175	2012	8	16	14	V	8.4	0	4.58	238
401430175	2012	8	16	15	V	3.4	0	3.63	253
401430175	2012	8	16	16	V	8.0	0	3.9	240
401430175	2012	8	16	17	V	2.4	0	3.42	264
401430175	2012	8	16	18	V	6.3	3	4.7	250
401430175	2012	8	16	19	V	1.7	7	1.87	323
401430175	2012	8	16	20	V	1.9	4	2.28	352
401430175	2012	8	16	21	V	1.5	0	1.28	357
401430175	2012	8	16	22	V	1.3	0	6.38	13
401430175	2012	8	16	23	V	1.0	0	5.84	22
401430175	2012	8	16	24	V	2.3	0	3.37	21
401430175	2012	8	17	1	V	5.6	0	2.79	7
401430175	2012	8	17	2	V	2.7	0	2.86	7
401430175	2012	8	17	3	V	4.4	0	3.35	6
401430175	2012	8	17	4	V	0.8	0	3.08	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	17	5	V	0.7	0	3.59	8
401430175	2012	8	17	6	V	8.4	1	3.97	16
401430175	2012	8	17	7	V	1.0	0	4.19	18
401430175	2012	8	17	8	V	1.4	0	3.85	23
401430175	2012	8	17	9	V	1.7	1	3.83	30
401430175	2012	8	17	10	V	3.7	1	3.71	39
401430175	2012	8	17	11	V	4.2	0	3.2	38
401430175	2012	8	17	12	V	4.4	1	2.98	37
401430175	2012	8	17	13	V	4.6	4	3.39	38
401430175	2012	8	17	14	V	3.5	4	2.95	8
401430175	2012	8	17	15	V	2.4	3	3.15	20
401430175	2012	8	17	16	V	3.3	3	2.9	30
401430175	2012	8	17	17	V	2.5	3	3	14
401430175	2012	8	17	18	V	6.0	2	3.03	9
401430175	2012	8	17	19	V	1.7	2	2.47	11
401430175	2012	8	17	20	V	1.9	3	1.5	17
401430175	2012	8	17	21	V	1.7	0	1.08	26
401430175	2012	8	17	22	V	1.1	0	1.37	30
401430175	2012	8	17	23	V	0.8	1	2.96	54
401430175	2012	8	17	24	V	2.2	1	2.67	66
401430175	2012	8	18	1	V	5.6	0	2.62	25
401430175	2012	8	18	2	V	2.7	0	2.37	281
401430175	2012	8	18	3	V	4.4	0	1.42	299
401430175	2012	8	18	4	V	1.1	0	0.97	314
401430175	2012	8	18	5	V	1.0	0	0.99	257
401430175	2012	8	18	6	V	8.5	1	1.3	319
401430175	2012	8	18	7	V	6.6	1	1.26	167
401430175	2012	8	18	8	V	1.7	0	2.3	75
401430175	2012	8	18	9	V	1.5	0	3.15	72
401430175	2012	8	18	10	V	1.1	1	3.59	115
401430175	2012	8	18	11	V	15.7	2	2.01	229
401430175	2012	8	18	12	V	18.4	1	2.11	222
401430175	2012	8	18	13	V	5.8	2	3.78	160
401430175	2012	8	18	14	V	5.5	1	2.04	253
401430175	2012	8	18	15	V	10.2	4	2.69	194
401430175	2012	8	18	16	V	12.8	5	1.67	221
401430175	2012	8	18	17	V	2.9	0	2.16	262
401430175	2012	8	18	18	V	6.2	0	1.96	292
401430175	2012	8	18	19	V	1.7	0	1.89	336
401430175	2012	8	18	20	V	2.2	0	0.96	257
401430175	2012	8	18	21	V	7.1	0	0.57	252
401430175	2012	8	18	22	V	33.7	0	0.94	219
401430175	2012	8	18	23	V	21.6	0	0.74	234
401430175	2012	8	18	24	V	4.2	0	0.63	260
401430175	2012	8	19	1	V	5.6	0	1.45	253
401430175	2012	8	19	2	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	19	3	V	21.0	0	0.58	240
401430175	2012	8	19	4	C	-999	0	0	0
401430175	2012	8	19	5	V	2.2	0	0.72	255
401430175	2012	8	19	6	V	10.2	0	0.63	290
401430175	2012	8	19	7	V	38.3	0	0.55	219
401430175	2012	8	19	8	V	19.3	0	1.16	217
401430175	2012	8	19	9	V	4.0	0	1.81	250
401430175	2012	8	19	10	V	2.9	0	1.16	302
401430175	2012	8	19	11	V	2.3	0	1.35	111
401430175	2012	8	19	12	V	5.8	0	1.25	254
401430175	2012	8	19	13	V	14.4	0	1.21	209
401430175	2012	8	19	14	V	13.5	0	1.54	221
401430175	2012	8	19	15	V	2.3	0	2.59	318
401430175	2012	8	19	16	V	3.0	0	2.3	294
401430175	2012	8	19	17	V	3.4	0	1.28	324
401430175	2012	8	19	18	V	8.0	8	1.16	47
401430175	2012	8	19	19	V	21.5	4	0.8	208
401430175	2012	8	19	20	V	4.0	2	0.6	314
401430175	2012	8	19	21	V	1.4	1	2.4	141
401430175	2012	8	19	22	V	14.4	0	1.14	208
401430175	2012	8	19	23	V	1.4	0	0.82	310
401430175	2012	8	19	24	V	2.5	0	1.04	317
401430175	2012	8	20	1	V	5.9	0	1.01	291
401430175	2012	8	20	2	C	-999	0	0	0
401430175	2012	8	20	3	V	5.1	0	0.8	318
401430175	2012	8	20	4	V	1.9	0	0.72	302
401430175	2012	8	20	5	V	1.8	0	0.72	326
401430175	2012	8	20	6	V	8.7	0	1.03	317
401430175	2012	8	20	7	V	1.0	0	1.23	359
401430175	2012	8	20	8	V	1.6	0	2.59	16
401430175	2012	8	20	9	V	2.8	0	2.47	32
401430175	2012	8	20	10	V	3.7	0	2.52	42
401430175	2012	8	20	11	V	4.3	0	3.22	40
401430175	2012	8	20	12	V	3.6	1	3.1	42
401430175	2012	8	20	13	V	3.1	1	3.03	70
401430175	2012	8	20	14	V	4.2	0	2.16	21
401430175	2012	8	20	15	V	2.7	0	2.79	108
401430175	2012	8	20	16	V	3.4	0	2.27	111
401430175	2012	8	20	17	V	4.4	1	1.14	315
401430175	2012	8	20	18	V	16.8	1	1.52	213
401430175	2012	8	20	19	V	22.4	1	1.11	221
401430175	2012	8	20	20	V	3.6	1	0.63	278
401430175	2012	8	20	21	V	3.5	0	0.62	286
401430175	2012	8	20	22	V	1.6	0	0.87	278
401430175	2012	8	20	23	V	0.8	0	1.42	262
401430175	2012	8	20	24	V	2.8	3	0.87	292

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	21	1	V	6.0	4	1.14	247
401430175	2012	8	21	2	V	3.6	1	0.82	253
401430175	2012	8	21	3	C	-999	1	0	0
401430175	2012	8	21	4	V	1.4	0	1.21	244
401430175	2012	8	21	5	V	31.2	0	1.01	225
401430175	2012	8	21	6	V	8.9	2	0.92	273
401430175	2012	8	21	7	V	2.0	3	0.69	325
401430175	2012	8	21	8	V	6.8	2	0.75	51
401430175	2012	8	21	9	V	10.3	7	0.74	161
401430175	2012	8	21	10	V	4.2	29	1.13	142
401430175	2012	8	21	11	V	2.5	1	1.82	105
401430175	2012	8	21	12	V	2.7	-999	2.98	95
401430175	2012	8	21	13	V	2.9	1	2.62	106
401430175	2012	8	21	14	V	4.1	0	2.08	85
401430175	2012	8	21	15	V	2.9	3	2.67	130
401430175	2012	8	21	16	V	5.1	4	2.2	151
401430175	2012	8	21	17	V	2.8	1	2.61	120
401430175	2012	8	21	18	V	6.1	0	3.08	110
401430175	2012	8	21	19	V	1.8	0	2.71	147
401430175	2012	8	21	20	V	6.0	0	1.08	191
401430175	2012	8	21	21	V	33.6	4	0.53	229
401430175	2012	8	21	22	V	37.2	4	0.75	223
401430175	2012	8	21	23	V	37.2	31	0.75	221
401430175	2012	8	21	24	V	16.1	27	1.06	233
401430175	2012	8	22	1	V	10.4	1	1.89	233
401430175	2012	8	22	2	V	14.1	0	0.92	236
401430175	2012	8	22	3	V	8.0	0	0.99	241
401430175	2012	8	22	4	V	23.4	0	1.06	215
401430175	2012	8	22	5	V	3.6	0	0.57	287
401430175	2012	8	22	6	V	10.5	1	0.62	275
401430175	2012	8	22	7	V	36.5	1	0.63	225
401430175	2012	8	22	8	V	14.7	2	0.99	196
401430175	2012	8	22	9	V	9.0	2	1.08	165
401430175	2012	8	22	10	V	9.3	4	1.33	185
401430175	2012	8	22	11	V	11.0	1	3.88	200
401430175	2012	8	22	12	V	6.8	11	5.27	187
401430175	2012	8	22	13	V	8.8	18	5.62	195
401430175	2012	8	22	14	V	8.2	13	5.19	187
401430175	2012	8	22	15	V	7.8	19	4.97	187
401430175	2012	8	22	16	V	8.5	16	5.38	192
401430175	2012	8	22	17	V	8.1	11	5.31	177
401430175	2012	8	22	18	V	12.5	9	4.82	176
401430175	2012	8	22	19	V	6.9	15	4.41	176
401430175	2012	8	22	20	V	3.2	14	2.81	185
401430175	2012	8	22	21	V	4.1	1	1.62	210
401430175	2012	8	22	22	V	31.9	6	0.96	226

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	22	23	C	-999	26	0	0
401430175	2012	8	22	24	V	4.2	8	0.62	323
401430175	2012	8	23	1	C	-999	4	0	0
401430175	2012	8	23	2	C	-999	2	0	0
401430175	2012	8	23	3	C	-999	1	0	0
401430175	2012	8	23	4	C	-999	0	0	0
401430175	2012	8	23	5	C	-999	1	0	0
401430175	2012	8	23	6	C	-999	5	0	0
401430175	2012	8	23	7	C	-999	3	0	0
401430175	2012	8	23	8	V	17.7	10	1.43	224
401430175	2012	8	23	9	V	5.7	7	4.39	185
401430175	2012	8	23	10	V	4.5	10	6.58	187
401430175	2012	8	23	11	V	5.9	20	6.65	180
401430175	2012	8	23	12	V	6.7	18	6.43	182
401430175	2012	8	23	13	V	7.8	10	5.29	175
401430175	2012	8	23	14	V	8.4	6	5.67	178
401430175	2012	8	23	15	V	6.9	10	5.24	167
401430175	2012	8	23	16	V	7.8	3	5.58	168
401430175	2012	8	23	17	V	6.4	6	6.58	184
401430175	2012	8	23	18	V	10.1	14	5.46	186
401430175	2012	8	23	19	V	5.3	28	4.94	183
401430175	2012	8	23	20	V	2.6	1	3.49	190
401430175	2012	8	23	21	V	2.2	12	2.03	186
401430175	2012	8	23	22	V	3.8	20	2.9	181
401430175	2012	8	23	23	V	3.3	13	1.86	181
401430175	2012	8	23	24	V	4.0	3	1.94	182
401430175	2012	8	24	1	V	13.5	1	1.47	178
401430175	2012	8	24	2	V	8.8	0	1.33	210
401430175	2012	8	24	3	V	5.7	0	1.54	186
401430175	2012	8	24	4	V	2.6	2	2.69	182
401430175	2012	8	24	5	V	3.8	2	2.88	179
401430175	2012	8	24	6	V	10.0	8	2.76	183
401430175	2012	8	24	7	V	6.2	22	3.27	176
401430175	2012	8	24	8	V	6.4	28	3.35	179
401430175	2012	8	24	9	V	6.4	18	4.95	180
401430175	2012	8	24	10	V	5.8	10	5.94	192
401430175	2012	8	24	11	V	5.7	20	6.24	182
401430175	2012	8	24	12	V	7.8	5	5.27	172
401430175	2012	8	24	13	V	7.7	4	6.21	170
401430175	2012	8	24	14	V	7.6	0	5.82	166
401430175	2012	8	24	15	V	7.3	20	5.27	169
401430175	2012	8	24	16	V	8.3	1	5.89	171
401430175	2012	8	24	17	V	8.4	5	6.16	172
401430175	2012	8	24	18	V	13.0	10	5.24	172
401430175	2012	8	24	19	V	7.5	27	3.98	174
401430175	2012	8	24	20	V	7.7	13	3.01	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	24	21	V	8.2	12	2.59	174
401430175	2012	8	24	22	V	4.6	1	2.59	166
401430175	2012	8	24	23	V	1.2	0	3.97	154
401430175	2012	8	24	24	V	4.9	0	4.24	162
401430175	2012	8	25	1	V	6.2	0	4.32	153
401430175	2012	8	25	2	V	3.3	0	4.54	154
401430175	2012	8	25	3	V	6.7	0	4.24	161
401430175	2012	8	25	4	V	1.7	0	3.85	157
401430175	2012	8	25	5	V	1.3	0	3.46	154
401430175	2012	8	25	6	V	10.4	0	3.98	161
401430175	2012	8	25	7	V	1.6	0	3.97	153
401430175	2012	8	25	8	V	4.9	0	4.76	163
401430175	2012	8	25	9	V	6.8	0	5.92	166
401430175	2012	8	25	10	V	4.8	9	5.84	163
401430175	2012	8	25	11	V	7.5	6	5.7	167
401430175	2012	8	25	12	V	8.8	4	6.69	170
401430175	2012	8	25	13	V	8.1	15	7.18	176
401430175	2012	8	25	14	V	7.8	25	7.03	179
401430175	2012	8	25	15	V	8.1	17	6.58	175
401430175	2012	8	25	16	V	8.9	7	6.47	170
401430175	2012	8	25	17	V	8.4	18	6.3	174
401430175	2012	8	25	18	V	12.2	9	5.51	167
401430175	2012	8	25	19	V	4.2	1	4.71	161
401430175	2012	8	25	20	V	4.9	0	4.22	162
401430175	2012	8	25	21	V	4.3	3	3.49	162
401430175	2012	8	25	22	V	1.3	0	4.08	260
401430175	2012	8	25	23	V	0.8	4	1.93	29
401430175	2012	8	25	24	V	15.2	2	1.88	228
401430175	2012	8	26	1	V	11.7	7	2.54	168
401430175	2012	8	26	2	V	4.8	1	1.3	192
401430175	2012	8	26	3	V	5.3	0	0.74	270
401430175	2012	8	26	4	V	1.8	1	1.82	196
401430175	2012	8	26	5	V	6.5	5	2.57	173
401430175	2012	8	26	6	V	14.1	6	2.59	174
401430175	2012	8	26	7	V	11.5	7	1.71	174
401430175	2012	8	26	8	V	8.4	5	1.28	179
401430175	2012	8	26	9	V	5.9	7	2.06	162
401430175	2012	8	26	10	V	6.6	5	3.59	192
401430175	2012	8	26	11	V	13.7	10	3.8	213
401430175	2012	8	26	12	V	17.2	2	3.25	227
401430175	2012	8	26	13	V	5.2	0	2.59	249
401430175	2012	8	26	14	V	4.4	0	3.01	251
401430175	2012	8	26	15	V	2.6	0	2.38	299
401430175	2012	8	26	16	V	3.2	0	2.13	272
401430175	2012	8	26	17	V	2.9	0	1.94	290
401430175	2012	8	26	18	V	6.3	0	1.93	308

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	26	19	V	1.6	0	1.2	306
401430175	2012	8	26	20	V	2.8	0	0.74	295
401430175	2012	8	26	21	V	25.1	0	1.08	216
401430175	2012	8	26	22	V	12.6	0	1.18	206
401430175	2012	8	26	23	V	1.8	0	0.72	304
401430175	2012	8	26	24	V	3.6	0	0.69	356
401430175	2012	8	27	1	V	5.6	0	1.67	355
401430175	2012	8	27	2	V	3.0	0	1.01	343
401430175	2012	8	27	3	V	4.5	0	1.28	341
401430175	2012	8	27	4	V	0.8	0	1.86	350
401430175	2012	8	27	5	V	0.7	0	1.72	350
401430175	2012	8	27	6	V	8.4	0	2.13	3
401430175	2012	8	27	7	V	0.9	0	2.81	11
401430175	2012	8	27	8	V	1.4	0	3.47	14
401430175	2012	8	27	9	V	1.6	0	3.54	24
401430175	2012	8	27	10	V	1.2	0	3.68	14
401430175	2012	8	27	11	V	1.8	1	3.98	23
401430175	2012	8	27	12	V	2.5	-999	4.34	26
401430175	2012	8	27	13	V	2.6	-999	4.36	21
401430175	2012	8	27	14	V	3.3	1	4.44	28
401430175	2012	8	27	15	V	2.2	0	4.65	26
401430175	2012	8	27	16	V	3.7	1	5.51	40
401430175	2012	8	27	17	V	3.5	2	5.33	41
401430175	2012	8	27	18	V	6.2	2	5.56	36
401430175	2012	8	27	19	V	1.8	2	4.65	34
401430175	2012	8	27	20	V	2.0	1	3.56	29
401430175	2012	8	27	21	V	1.4	0	2.35	20
401430175	2012	8	27	22	V	1.0	0	2.44	17
401430175	2012	8	27	23	V	0.7	0	3.23	32
401430175	2012	8	27	24	V	2.3	0	3.68	54
401430175	2012	8	28	1	V	5.7	0	2.95	52
401430175	2012	8	28	2	V	2.6	0	2.22	19
401430175	2012	8	28	3	V	4.4	0	1.5	358
401430175	2012	8	28	4	V	0.8	0	1.69	7
401430175	2012	8	28	5	V	0.6	0	2.35	6
401430175	2012	8	28	6	V	8.4	0	2.83	13
401430175	2012	8	28	7	V	0.9	0	2.52	18
401430175	2012	8	28	8	V	1.6	0	2.89	23
401430175	2012	8	28	9	V	3.8	1	3.17	51
401430175	2012	8	28	10	V	1.1	2	5.09	80
401430175	2012	8	28	11	V	1.7	2	5.02	74
401430175	2012	8	28	12	V	2.7	4	4.49	57
401430175	2012	8	28	13	V	3.5	2	4.51	51
401430175	2012	8	28	14	V	3.9	1	4.42	53
401430175	2012	8	28	15	V	2.6	0	4.17	56
401430175	2012	8	28	16	V	3.3	0	4.63	52

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	28	17	V	3.0	0	4.48	51
401430175	2012	8	28	18	V	6.7	0	4.31	50
401430175	2012	8	28	19	V	5.8	0	2.96	44
401430175	2012	8	28	20	V	2.2	0	0.96	25
401430175	2012	8	28	21	V	2.3	0	0.74	1
401430175	2012	8	28	22	V	1.7	0	0.82	321
401430175	2012	8	28	23	V	2.5	0	0.65	342
401430175	2012	8	28	24	V	2.4	0	1.28	13
401430175	2012	8	29	1	V	5.6	0	1.48	15
401430175	2012	8	29	2	V	2.9	0	1.14	18
401430175	2012	8	29	3	V	6.1	0	0.65	350
401430175	2012	8	29	4	V	2.4	0	0.67	339
401430175	2012	8	29	5	V	3.1	0	0.6	298
401430175	2012	8	29	6	C	-999	0	0	0
401430175	2012	8	29	7	V	3.0	1	0.62	351
401430175	2012	8	29	8	V	1.6	0	2.34	16
401430175	2012	8	29	9	V	2.1	1	2.49	27
401430175	2012	8	29	10	V	3.7	1	2.04	43
401430175	2012	8	29	11	V	2.4	1	3.23	57
401430175	2012	8	29	12	V	2.5	1	4.48	71
401430175	2012	8	29	13	V	3.2	1	4.15	53
401430175	2012	8	29	14	V	3.7	1	4.99	53
401430175	2012	8	29	15	V	2.3	0	5.67	60
401430175	2012	8	29	16	V	2.7	0	5.26	63
401430175	2012	8	29	17	V	2.3	0	5.14	62
401430175	2012	8	29	18	V	6.1	0	4.15	57
401430175	2012	8	29	19	V	2.4	0	2.27	38
401430175	2012	8	29	20	V	2.3	0	0.87	356
401430175	2012	8	29	21	V	1.8	0	0.97	338
401430175	2012	8	29	22	V	1.1	0	1.37	359
401430175	2012	8	29	23	V	0.9	0	1.21	354
401430175	2012	8	29	24	V	2.7	0	0.96	352
401430175	2012	8	30	1	M	-999	0	0.74	285
401430175	2012	8	30	2	M	-999	0	0.7	320
401430175	2012	8	30	3	M	-999	0	1.28	346
401430175	2012	8	30	4	M	-999	0	1.14	345
401430175	2012	8	30	5	M	-999	0	1.28	9
401430175	2012	8	30	6	M	-999	1	1.14	7
401430175	2012	8	30	7	V	0.9	1	2.05	13
401430175	2012	8	30	8	V	1.6	1	2.35	18
401430175	2012	8	30	9	V	3.4	1	2.5	36
401430175	2012	8	30	10	V	4.6	1	2.68	44
401430175	2012	8	30	11	V	4.3	2	3.92	40
401430175	2012	8	30	12	V	4.1	0	5.02	47
401430175	2012	8	30	13	V	3.3	0	6.04	50
401430175	2012	8	30	14	V	3.9	0	6.69	49

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	8	30	15	V	2.9	0	6.45	48
401430175	2012	8	30	16	V	3.2	0	6.53	50
401430175	2012	8	30	17	V	2.4	0	6.36	55
401430175	2012	8	30	18	V	5.9	0	6.02	58
401430175	2012	8	30	19	V	1.7	0	5.19	61
401430175	2012	8	30	20	V	1.9	0	3.56	127
401430175	2012	8	30	21	V	16.2	6	1.16	217
401430175	2012	8	30	22	V	2.2	1	0.62	351
401430175	2012	8	30	23	V	1.1	2	4.24	52
401430175	2012	8	30	24	V	2.3	0	3.92	60
401430175	2012	8	31	1	V	6.7	0	4.61	38
401430175	2012	8	31	2	V	2.8	0	3.98	18
401430175	2012	8	31	3	V	4.4	0	3.12	10
401430175	2012	8	31	4	V	0.8	0	3.05	357
401430175	2012	8	31	5	V	0.8	0	3.68	1
401430175	2012	8	31	6	V	8.5	0	4.1	358
401430175	2012	8	31	7	V	1.0	0	4.12	5
401430175	2012	8	31	8	V	1.5	0	2.88	345
401430175	2012	8	31	9	V	1.6	0	2.96	326
401430175	2012	8	31	10	V	1.2	0	2.83	322
401430175	2012	8	31	11	V	1.8	0	3	323
401430175	2012	8	31	12	V	2.4	0	3.88	353
401430175	2012	8	31	13	V	2.9	0	2.08	336
401430175	2012	8	31	14	V	3.4	0	2.91	342
401430175	2012	8	31	15	V	2.3	0	2.84	305
401430175	2012	8	31	16	V	2.7	0	3.83	355
401430175	2012	8	31	17	V	2.4	0	3.54	347
401430175	2012	8	31	18	V	5.9	0	4.34	10
401430175	2012	8	31	19	V	1.5	0	1.89	4
401430175	2012	8	31	20	V	1.9	0	1.5	332
401430175	2012	8	31	21	V	1.6	0	1.09	290
401430175	2012	8	31	22	V	1.2	0	1.11	269
401430175	2012	8	31	23	V	0.9	0	1.21	274
401430175	2012	8	31	24	V	2.3	1	1.4	248
401430175	2012	9	1	1	V	11.8	1	2.08	232
401430175	2012	9	1	2	V	1.8	0	0.87	286
401430175	2012	9	1	3	V	13.1	0	1.65	227
401430175	2012	9	1	4	V	1.6	0	1.48	256
401430175	2012	9	1	5	V	2.3	1	2.08	249
401430175	2012	9	1	6	V	1.6	1	1.93	256
401430175	2012	9	1	7	V	1.7	1	1.25	269
401430175	2012	9	1	8	V	3.5	0	1.84	293
401430175	2012	9	1	9	V	2.3	0	2.08	303
401430175	2012	9	1	10	V	2.2	0	2.44	299
401430175	2012	9	1	11	V	3.5	0	2.67	293
401430175	2012	9	1	12	V	3.5	0	3.2	278

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	1	13	V	6.6	0	3.39	267
401430175	2012	9	1	14	V	4.1	0	3.17	277
401430175	2012	9	1	15	V	3.2	0	3.23	294
401430175	2012	9	1	16	V	3.9	0	3.12	276
401430175	2012	9	1	17	V	5.3	0	2.67	278
401430175	2012	9	1	18	V	5.0	0	2.21	285
401430175	2012	9	1	19	V	2.4	0	1.14	329
401430175	2012	9	1	20	V	2.7	0	1.23	321
401430175	2012	9	1	21	V	13.0	0	0.84	238
401430175	2012	9	1	22	V	5.2	0	0.57	321
401430175	2012	9	1	23	V	4.2	0	0.65	334
401430175	2012	9	1	24	V	35.3	0	0.87	227
401430175	2012	9	2	1	V	2.1	0	0.79	269
401430175	2012	9	2	2	V	1.9	0	1.04	333
401430175	2012	9	2	3	V	1.0	0	2.37	16
401430175	2012	9	2	4	V	1.6	0	1.64	21
401430175	2012	9	2	5	V	2.9	0	1.37	37
401430175	2012	9	2	6	V	2.9	0	0.69	313
401430175	2012	9	2	7	V	2.6	0	0.75	20
401430175	2012	9	2	8	V	7.8	1	0.94	126
401430175	2012	9	2	9	V	3.3	2	1.71	136
401430175	2012	9	2	10	V	6.3	1	1.25	169
401430175	2012	9	2	11	V	4.8	2	1.62	174
401430175	2012	9	2	12	V	4.7	13	1.48	212
401430175	2012	9	2	13	V	7.3	14	1.74	272
401430175	2012	9	2	14	V	5.0	4	1.71	242
401430175	2012	9	2	15	V	9.4	5	3.23	224
401430175	2012	9	2	16	V	11.0	1	3.39	228
401430175	2012	9	2	17	V	12.3	0	2.73	229
401430175	2012	9	2	18	V	16.4	6	2.38	219
401430175	2012	9	2	19	V	22.2	3	0.87	230
401430175	2012	9	2	20	V	29.6	5	1.11	222
401430175	2012	9	2	21	V	27.0	6	1.23	220
401430175	2012	9	2	22	V	13.2	5	1.48	216
401430175	2012	9	2	23	V	11.8	34	1.48	215
401430175	2012	9	2	24	V	22.9	29	1.33	220
401430175	2012	9	3	1	V	6.1	5	1.54	207
401430175	2012	9	3	2	V	29.8	4	0.72	207
401430175	2012	9	3	3	C	-999	5	0	0
401430175	2012	9	3	4	V	41.3	4	0.58	222
401430175	2012	9	3	5	C	-999	2	0	0
401430175	2012	9	3	6	V	2.9	1	0.69	289
401430175	2012	9	3	7	C	-999	4	0	0
401430175	2012	9	3	8	V	14.6	25	0.91	183
401430175	2012	9	3	9	V	14.1	5	1.57	232
401430175	2012	9	3	10	V	6.5	0	1.89	244

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	3	11	V	7.6	1	1.94	225
401430175	2012	9	3	12	V	5.4	12	1.91	198
401430175	2012	9	3	13	V	8.4	6	2.11	222
401430175	2012	9	3	14	V	7.7	12	2.66	202
401430175	2012	9	3	15	V	7.3	10	2.5	212
401430175	2012	9	3	16	V	10.1	7	4.2	187
401430175	2012	9	3	17	V	12.3	10	4.2	188
401430175	2012	9	3	18	V	13.5	22	3.64	192
401430175	2012	9	3	19	V	5.2	5	1.59	206
401430175	2012	9	3	20	V	30.6	1	0.92	217
401430175	2012	9	3	21	V	7.8	5	1.14	192
401430175	2012	9	3	22	V	8.3	15	1.47	207
401430175	2012	9	3	23	V	6.5	13	1.47	210
401430175	2012	9	3	24	V	4.0	21	1.96	211
401430175	2012	9	4	1	V	16.3	35	0.89	200
401430175	2012	9	4	2	V	5.6	17	1.48	210
401430175	2012	9	4	3	V	34.8	8	0.89	217
401430175	2012	9	4	4	V	15.5	8	0.82	195
401430175	2012	9	4	5	V	4.0	2	0.6	315
401430175	2012	9	4	6	C	-999	5	0	0
401430175	2012	9	4	7	V	29.2	5	0.8	211
401430175	2012	9	4	8	V	16.4	2	0.97	234
401430175	2012	9	4	9	V	16.5	2	1.42	228
401430175	2012	9	4	10	V	7.7	1	1.38	211
401430175	2012	9	4	11	V	6.6	-999	1.89	227
401430175	2012	9	4	12	V	4.7	2	1.48	3
401430175	2012	9	4	13	V	7.5	3	2.21	175
401430175	2012	9	4	14	V	5.1	6	1.91	168
401430175	2012	9	4	15	V	4.6	4	2.28	148
401430175	2012	9	4	16	V	4.0	2	3.07	112
401430175	2012	9	4	17	V	4.9	2	3.93	126
401430175	2012	9	4	18	V	6.7	0	3.32	152
401430175	2012	9	4	19	V	4.5	3	2.64	183
401430175	2012	9	4	20	V	4.8	4	3.39	183
401430175	2012	9	4	21	V	2.5	17	2.37	195
401430175	2012	9	4	22	V	33.7	10	1.08	221
401430175	2012	9	4	23	V	32.8	6	0.8	229
401430175	2012	9	4	24	V	4.6	19	1.77	208
401430175	2012	9	5	1	V	9.1	25	2.49	214
401430175	2012	9	5	2	V	8.0	11	1.28	205
401430175	2012	9	5	3	V	1.0	2	1.53	279
401430175	2012	9	5	4	V	3.5	0	1.98	49
401430175	2012	9	5	5	V	1.8	0	1.67	4
401430175	2012	9	5	6	V	3.2	0	1.59	50
401430175	2012	9	5	7	V	1.7	1	1.3	95
401430175	2012	9	5	8	V	6.0	2	1.23	34

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	5	9	V	4.2	2	1.25	85
401430175	2012	9	5	10	V	3.8	2	1.64	49
401430175	2012	9	5	11	V	5.2	1	1.4	51
401430175	2012	9	5	12	V	4.7	1	1.84	137
401430175	2012	9	5	13	V	7.2	4	2.4	144
401430175	2012	9	5	14	V	4.1	9	2.73	114
401430175	2012	9	5	15	V	3.7	6	2.47	66
401430175	2012	9	5	16	V	5.2	2	1.82	117
401430175	2012	9	5	17	V	5.5	0	3.1	134
401430175	2012	9	5	18	V	4.4	0	3.8	119
401430175	2012	9	5	19	V	2.2	0	2.37	123
401430175	2012	9	5	20	V	20.8	0	0.99	209
401430175	2012	9	5	21	V	3.3	1	0.7	265
401430175	2012	9	5	22	V	5.0	1	0.6	261
401430175	2012	9	5	23	V	3.8	1	0.69	290
401430175	2012	9	5	24	V	2.9	1	0.77	285
401430175	2012	9	6	1	V	4.4	1	0.55	310
401430175	2012	9	6	2	V	2.4	0	0.8	277
401430175	2012	9	6	3	V	1.6	0	1.04	248
401430175	2012	9	6	4	V	28.8	1	0.62	233
401430175	2012	9	6	5	V	2.3	0	0.91	278
401430175	2012	9	6	6	V	1.5	0	1.74	274
401430175	2012	9	6	7	V	1.6	0	2.27	317
401430175	2012	9	6	8	V	3.1	0	2.33	340
401430175	2012	9	6	9	V	2.1	0	2.47	344
401430175	2012	9	6	10	V	1.9	0	3.1	350
401430175	2012	9	6	11	V	3.5	0	3.05	26
401430175	2012	9	6	12	V	3.8	0	2.71	26
401430175	2012	9	6	13	V	7.3	0	1.67	282
401430175	2012	9	6	14	V	4.0	1	2.89	281
401430175	2012	9	6	15	V	4.3	4	1.48	245
401430175	2012	9	6	16	V	10.9	10	2.66	215
401430175	2012	9	6	17	V	16.0	7	3.13	214
401430175	2012	9	6	18	V	12.8	9	2.16	237
401430175	2012	9	6	19	V	10.8	11	1.38	232
401430175	2012	9	6	20	V	20.1	6	0.6	237
401430175	2012	9	6	21	C	-999	1	0	0
401430175	2012	9	6	22	V	7.1	0	1.84	165
401430175	2012	9	6	23	V	11.8	0	1.87	172
401430175	2012	9	6	24	V	3.7	0	1.6	184
401430175	2012	9	7	1	V	8.0	0	1.5	179
401430175	2012	9	7	2	V	2.3	1	1.82	188
401430175	2012	9	7	3	V	1.6	2	1.91	188
401430175	2012	9	7	4	V	7.1	7	2.22	176
401430175	2012	9	7	5	V	4.4	5	1.77	203
401430175	2012	9	7	6	V	23.5	11	0.57	237

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	7	7	V	16.0	1	1.01	166
401430175	2012	9	7	8	V	7.6	0	2.71	166
401430175	2012	9	7	9	V	7.8	1	3.35	174
401430175	2012	9	7	10	V	6.8	2	4.05	180
401430175	2012	9	7	11	V	7.8	3	3.27	173
401430175	2012	9	7	12	V	6.7	1	3.9	170
401430175	2012	9	7	13	V	10.7	4	4.19	180
401430175	2012	9	7	14	V	11.9	9	3.71	220
401430175	2012	9	7	15	V	6.5	2	4.31	246
401430175	2012	9	7	16	V	3.0	1	9.87	358
401430175	2012	9	7	17	V	4.3	0	9.2	12
401430175	2012	9	7	18	V	4.1	0	8.01	18
401430175	2012	9	7	19	V	2.5	0	5.26	360
401430175	2012	9	7	20	V	2.9	0	5.34	1
401430175	2012	9	7	21	V	2.1	0	3.32	3
401430175	2012	9	7	22	V	2.3	0	3.27	357
401430175	2012	9	7	23	V	2.4	0	3.83	360
401430175	2012	9	7	24	V	2.1	0	4.92	5
401430175	2012	9	8	1	V	1.5	0	5.28	9
401430175	2012	9	8	2	V	1.7	0	4.2	8
401430175	2012	9	8	3	V	1.0	0	3.34	5
401430175	2012	9	8	4	V	1.5	0	2.32	356
401430175	2012	9	8	5	V	1.8	0	1.91	342
401430175	2012	9	8	6	V	1.6	0	1.45	331
401430175	2012	9	8	7	V	2.1	0	0.89	296
401430175	2012	9	8	8	V	3.0	0	2.74	349
401430175	2012	9	8	9	V	1.8	0	4.12	18
401430175	2012	9	8	10	V	1.8	0	4.07	16
401430175	2012	9	8	11	V	3.0	0	4.7	7
401430175	2012	9	8	12	V	3.0	0	5.45	9
401430175	2012	9	8	13	V	5.5	0	5.41	8
401430175	2012	9	8	14	V	3.2	0	5.04	14
401430175	2012	9	8	15	V	2.6	0	4.46	18
401430175	2012	9	8	16	V	3.3	0	3.98	11
401430175	2012	9	8	17	V	4.6	0	3.98	23
401430175	2012	9	8	18	V	4.4	0	2.71	19
401430175	2012	9	8	19	V	2.3	0	1.54	7
401430175	2012	9	8	20	V	3.0	0	0.89	317
401430175	2012	9	8	21	V	3.5	0	0.69	275
401430175	2012	9	8	22	C	-999	0	0	0
401430175	2012	9	8	23	V	5.0	0	0.63	256
401430175	2012	9	8	24	V	29.0	0	0.69	205
401430175	2012	9	9	1	V	37.9	0	0.62	215
401430175	2012	9	9	2	V	3.8	0	0.74	251
401430175	2012	9	9	3	V	9.1	0	0.58	248
401430175	2012	9	9	4	M	-999	0	0.69	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	9	5	M	-999	0	0.7	218
401430175	2012	9	9	6	M	-999	0	0.99	200
401430175	2012	9	9	7	M	-999	0	0.55	209
401430175	2012	9	9	8	V	13.3	0	0.75	182
401430175	2012	9	9	9	V	4.9	0	1.11	326
401430175	2012	9	9	10	V	2.3	0	2.16	305
401430175	2012	9	9	11	V	3.7	1	2.28	296
401430175	2012	9	9	12	V	3.8	0	2.32	300
401430175	2012	9	9	13	V	6.7	0	2.13	318
401430175	2012	9	9	14	V	3.4	0	4.51	25
401430175	2012	9	9	15	V	2.6	0	4.53	19
401430175	2012	9	9	16	V	3.3	0	4.99	30
401430175	2012	9	9	17	V	5.0	0	4.73	37
401430175	2012	9	9	18	V	4.7	0	4.95	38
401430175	2012	9	9	19	V	4.3	0	4.26	40
401430175	2012	9	9	20	V	2.6	2	3.4	31
401430175	2012	9	9	21	V	6.7	0	3.2	44
401430175	2012	9	9	22	V	5.6	0	2.71	47
401430175	2012	9	9	23	V	2.4	0	2.84	55
401430175	2012	9	9	24	V	5.4	0	1.82	48
401430175	2012	9	10	1	V	1.3	0	1.43	24
401430175	2012	9	10	2	V	1.7	0	1.28	5
401430175	2012	9	10	3	V	1.0	0	1.55	7
401430175	2012	9	10	4	V	1.7	0	1.25	11
401430175	2012	9	10	5	V	1.9	0	1.26	11
401430175	2012	9	10	6	V	3.0	0	0.69	26
401430175	2012	9	10	7	V	3.3	0	0.65	13
401430175	2012	9	10	8	V	5.2	1	1.16	61
401430175	2012	9	10	9	V	2.5	0	3.12	146
401430175	2012	9	10	10	V	2.2	0	3.1	142
401430175	2012	9	10	11	V	3.7	0	2.49	128
401430175	2012	9	10	12	V	4.0	0	2.64	127
401430175	2012	9	10	13	V	7.3	0	2.47	145
401430175	2012	9	10	14	V	6.3	0	2.57	168
401430175	2012	9	10	15	V	5.1	1	2.03	168
401430175	2012	9	10	16	V	6.1	0	1.96	167
401430175	2012	9	10	17	V	5.6	0	2.89	138
401430175	2012	9	10	18	V	4.3	0	3.66	113
401430175	2012	9	10	19	V	2.2	0	2.57	124
401430175	2012	9	10	20	V	2.6	0	2.32	129
401430175	2012	9	10	21	V	2.0	0	2.22	140
401430175	2012	9	10	22	V	2.3	2	2.5	153
401430175	2012	9	10	23	V	6.7	0	1.5	181
401430175	2012	9	10	24	V	6.4	0	1.91	165
401430175	2012	9	11	1	V	23.6	0	1.3	225
401430175	2012	9	11	2	V	11.1	0	1.37	209

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	11	3	V	10.2	0	1.5	177
401430175	2012	9	11	4	V	5.0	0	1.23	187
401430175	2012	9	11	5	V	13.4	0	1.21	211
401430175	2012	9	11	6	V	14.6	0	1.45	170
401430175	2012	9	11	7	V	15.5	0	1.31	169
401430175	2012	9	11	8	V	8.2	5	3.42	170
401430175	2012	9	11	9	V	6.3	22	4.27	178
401430175	2012	9	11	10	V	6.6	6	5.14	185
401430175	2012	9	11	11	V	9.7	7	5.11	192
401430175	2012	9	11	12	V	8.7	14	6.07	189
401430175	2012	9	11	13	V	10.3	13	6.14	179
401430175	2012	9	11	14	V	8.0	8	6.41	179
401430175	2012	9	11	15	V	7.7	7	5.99	182
401430175	2012	9	11	16	V	7.9	7	5.97	171
401430175	2012	9	11	17	V	9.8	10	5.53	171
401430175	2012	9	11	18	V	11.1	5	5.53	171
401430175	2012	9	11	19	V	7.4	10	4.2	171
401430175	2012	9	11	20	V	5.2	11	3.71	182
401430175	2012	9	11	21	V	2.8	1	2.91	196
401430175	2012	9	11	22	V	3.2	2	2.76	200
401430175	2012	9	11	23	V	2.7	8	2.54	194
401430175	2012	9	11	24	V	5.7	8	3.8	177
401430175	2012	9	12	1	V	4.1	3	3.95	182
401430175	2012	9	12	2	V	5.6	3	3.2	178
401430175	2012	9	12	3	V	6.1	1	3.59	170
401430175	2012	9	12	4	V	5.7	1	3.78	168
401430175	2012	9	12	5	V	5.2	1	3.66	165
401430175	2012	9	12	6	V	6.3	1	2.88	176
401430175	2012	9	12	7	V	7.9	2	2.91	173
401430175	2012	9	12	8	V	8.1	13	4.9	171
401430175	2012	9	12	9	V	5.6	20	6.5	183
401430175	2012	9	12	10	V	5.5	11	7.47	182
401430175	2012	9	12	11	V	7.0	13	7.23	183
401430175	2012	9	12	12	V	7.3	6	6.52	173
401430175	2012	9	12	13	V	9.9	10	6.43	173
401430175	2012	9	12	14	V	7.4	5	5.75	171
401430175	2012	9	12	15	V	6.5	2	6.46	167
401430175	2012	9	12	16	V	8.1	9	6.07	174
401430175	2012	9	12	17	V	7.9	2	5.19	161
401430175	2012	9	12	18	V	8.4	4	4.78	162
401430175	2012	9	12	19	V	7.2	2	3.46	169
401430175	2012	9	12	20	V	3.6	4	2.03	197
401430175	2012	9	12	21	V	11.7	3	1.65	217
401430175	2012	9	12	22	V	6.3	4	1.2	186
401430175	2012	9	12	23	V	12.4	1	1.03	163
401430175	2012	9	12	24	V	12.5	0	1.6	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	13	1	V	1.9	0	1.42	156
401430175	2012	9	13	2	V	1.7	0	1.76	154
401430175	2012	9	13	3	V	3.2	14	1.84	204
401430175	2012	9	13	4	V	36.0	6	0.97	221
401430175	2012	9	13	5	V	8.2	0	0.75	243
401430175	2012	9	13	6	V	1.6	1	1.38	293
401430175	2012	9	13	7	V	2.7	0	0.72	24
401430175	2012	9	13	8	V	3.2	1	1.13	92
401430175	2012	9	13	9	V	2.2	1	1.52	102
401430175	2012	9	13	10	V	2.0	3	2.28	65
401430175	2012	9	13	11	V	3.9	2	1.91	91
401430175	2012	9	13	12	V	3.8	1	2.33	122
401430175	2012	9	13	13	V	7.2	1	2.06	140
401430175	2012	9	13	14	V	4.3	0	1.5	109
401430175	2012	9	13	15	V	2.5	0	3.34	297
401430175	2012	9	13	16	V	3.2	0	3.27	311
401430175	2012	9	13	17	V	4.4	0	4.36	357
401430175	2012	9	13	18	V	4.1	0	6.34	7
401430175	2012	9	13	19	V	2.5	0	5.48	11
401430175	2012	9	13	20	V	2.8	0	5.38	17
401430175	2012	9	13	21	V	2.4	0	5.51	20
401430175	2012	9	13	22	V	2.4	0	3.46	16
401430175	2012	9	13	23	V	2.4	0	2.81	8
401430175	2012	9	13	24	V	2.0	0	2.93	358
401430175	2012	9	14	1	V	1.4	0	3.47	4
401430175	2012	9	14	2	V	1.7	0	3.56	16
401430175	2012	9	14	3	V	1.1	0	4.26	17
401430175	2012	9	14	4	V	1.6	0	3.37	8
401430175	2012	9	14	5	V	1.8	0	3.2	10
401430175	2012	9	14	6	V	1.6	0	3.78	12
401430175	2012	9	14	7	V	1.6	0	3.47	7
401430175	2012	9	14	8	V	2.8	0	3.49	8
401430175	2012	9	14	9	V	1.7	0	3.73	15
401430175	2012	9	14	10	V	1.6	0	4.12	15
401430175	2012	9	14	11	V	2.9	0	3.91	13
401430175	2012	9	14	12	V	2.9	0	3.71	10
401430175	2012	9	14	13	V	5.5	0	3.81	11
401430175	2012	9	14	14	V	3.1	0	4.12	14
401430175	2012	9	14	15	V	2.4	0	3.86	12
401430175	2012	9	14	16	V	3.1	0	3.13	8
401430175	2012	9	14	17	V	4.4	0	2.95	4
401430175	2012	9	14	18	V	4.1	0	2.61	1
401430175	2012	9	14	19	V	2.4	0	2.52	358
401430175	2012	9	14	20	V	2.7	0	2.42	1
401430175	2012	9	14	21	V	2.2	0	2.35	2
401430175	2012	9	14	22	V	2.3	0	2.57	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	14	23	V	2.4	0	1.86	357
401430175	2012	9	14	24	V	2.0	0	1.81	357
401430175	2012	9	15	1	V	1.3	0	1.47	349
401430175	2012	9	15	2	V	1.8	0	1.13	347
401430175	2012	9	15	3	V	1.2	0	1.16	334
401430175	2012	9	15	4	V	1.9	0	0.96	311
401430175	2012	9	15	5	V	1.8	0	1.3	313
401430175	2012	9	15	6	V	1.8	0	1.03	326
401430175	2012	9	15	7	V	2.0	0	0.92	337
401430175	2012	9	15	8	V	3.1	0	1.13	325
401430175	2012	9	15	9	V	3.2	0	0.89	337
401430175	2012	9	15	10	V	6.3	0	0.65	262
401430175	2012	9	15	11	V	11.1	0	1.11	236
401430175	2012	9	15	12	V	7.1	0	1.21	252
401430175	2012	9	15	13	V	6.5	0	1.38	286
401430175	2012	9	15	14	V	7.0	0	1.18	254
401430175	2012	9	15	15	V	9.4	0	1.2	240
401430175	2012	9	15	16	V	9.2	0	0.82	237
401430175	2012	9	15	17	V	8.2	0	0.82	255
401430175	2012	9	15	18	V	4.3	0	1.18	282
401430175	2012	9	15	19	V	2.6	0	0.97	295
401430175	2012	9	15	20	V	2.9	0	1.01	275
401430175	2012	9	15	21	V	2.4	0	0.99	295
401430175	2012	9	15	22	V	2.3	0	1.33	335
401430175	2012	9	15	23	V	3.0	0	0.82	308
401430175	2012	9	15	24	V	2.8	0	0.77	267
401430175	2012	9	16	1	V	2.2	0	0.77	275
401430175	2012	9	16	2	V	1.9	0	0.97	258
401430175	2012	9	16	3	V	1.6	0	0.86	294
401430175	2012	9	16	4	C	-999	0	0	0
401430175	2012	9	16	5	V	3.8	0	0.63	352
401430175	2012	9	16	6	V	30.8	0	0.65	231
401430175	2012	9	16	7	V	1.8	0	1.03	251
401430175	2012	9	16	8	V	7.8	0	1.23	246
401430175	2012	9	16	9	V	16.3	0	0.91	231
401430175	2012	9	16	10	V	19.2	0	1.21	215
401430175	2012	9	16	11	V	18.8	16	1.55	208
401430175	2012	9	16	12	V	12.6	14	1.86	194
401430175	2012	9	16	13	V	14.6	8	2.27	193
401430175	2012	9	16	14	V	13.3	21	1.94	196
401430175	2012	9	16	15	V	9.7	7	2.21	184
401430175	2012	9	16	16	V	9.6	3	2.39	177
401430175	2012	9	16	17	V	13.8	3	2.4	195
401430175	2012	9	16	18	V	6.5	2	2.52	158
401430175	2012	9	16	19	V	9.3	1	2.21	170
401430175	2012	9	16	20	V	4.4	1	1.4	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	16	21	V	3.2	4	1.6	190
401430175	2012	9	16	22	V	3.3	11	1.79	193
401430175	2012	9	16	23	V	16.2	5	0.8	237
401430175	2012	9	16	24	V	35.7	4	0.55	206
401430175	2012	9	17	1	V	39.0	13	0.69	220
401430175	2012	9	17	2	V	20.3	2	0.74	175
401430175	2012	9	17	3	V	30.4	2	0.52	202
401430175	2012	9	17	4	V	39.3	0	0.52	215
401430175	2012	9	17	5	V	3.9	0	0.63	276
401430175	2012	9	17	6	V	23.8	0	0.84	206
401430175	2012	9	17	7	V	10.5	1	1.33	209
401430175	2012	9	17	8	V	18.2	1	1	227
401430175	2012	9	17	9	V	9.9	1	0.72	269
401430175	2012	9	17	10	V	5.4	0	1.23	170
401430175	2012	9	17	11	V	5.1	9	1.6	143
401430175	2012	9	17	12	V	8.4	4	1.7	174
401430175	2012	9	17	13	V	6.9	2	1.79	132
401430175	2012	9	17	14	V	4.2	2	2.04	95
401430175	2012	9	17	15	V	3.4	2	2.23	107
401430175	2012	9	17	16	V	4.2	1	1.93	104
401430175	2012	9	17	17	V	5.1	1	2.23	86
401430175	2012	9	17	18	V	4.3	2	2.57	117
401430175	2012	9	17	19	V	5.5	2	1.52	202
401430175	2012	9	17	20	V	11.8	1	0.62	244
401430175	2012	9	17	21	V	25.0	2	0.69	234
401430175	2012	9	17	22	V	2.3	1	1.43	299
401430175	2012	9	17	23	V	2.7	0	5.58	7
401430175	2012	9	17	24	V	2.3	0	6.41	19
401430175	2012	9	18	1	V	1.6	0	6.67	16
401430175	2012	9	18	2	V	1.9	0	5.6	16
401430175	2012	9	18	3	V	1.3	0	5.27	15
401430175	2012	9	18	4	V	1.8	0	5.41	17
401430175	2012	9	18	5	V	1.9	0	4.12	18
401430175	2012	9	18	6	V	1.5	0	2.76	9
401430175	2012	9	18	7	V	1.6	0	1.64	354
401430175	2012	9	18	8	V	2.9	0	2.66	8
401430175	2012	9	18	9	V	2.0	0	2.62	13
401430175	2012	9	18	10	V	2.9	0	2.49	32
401430175	2012	9	18	11	V	3.1	2	3.95	27
401430175	2012	9	18	12	V	3.3	0	3.9	29
401430175	2012	9	18	13	V	5.8	-999	4.03	25
401430175	2012	9	18	14	V	3.7	-999	3.29	27
401430175	2012	9	18	15	V	3.7	0	2.74	45
401430175	2012	9	18	16	V	4.2	0	2.4	32
401430175	2012	9	18	17	V	6.5	0	1.35	63
401430175	2012	9	18	18	V	4.4	0	1.82	122

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	18	19	V	2.2	0	2.38	135
401430175	2012	9	18	20	V	39.8	0	0.75	219
401430175	2012	9	18	21	V	4.4	0	0.67	255
401430175	2012	9	18	22	C	-999	0	0	0
401430175	2012	9	18	23	V	39.1	0	0.65	225
401430175	2012	9	18	24	V	32.7	0	0.58	231
401430175	2012	9	19	1	V	15.0	16	0.94	235
401430175	2012	9	19	2	V	35.7	6	0.91	225
401430175	2012	9	19	3	V	24.7	9	1.06	215
401430175	2012	9	19	4	V	26.1	6	0.74	232
401430175	2012	9	19	5	V	4.6	12	0.58	270
401430175	2012	9	19	6	C	-999	17	0	0
401430175	2012	9	19	7	V	36.7	21	0.87	225
401430175	2012	9	19	8	V	18.1	15	1.69	211
401430175	2012	9	19	9	V	6.9	26	4.05	188
401430175	2012	9	19	10	V	6.0	8	6.45	188
401430175	2012	9	19	11	V	8.0	9	6.92	191
401430175	2012	9	19	12	V	9.2	11	6.53	194
401430175	2012	9	19	13	V	13.1	18	6.74	198
401430175	2012	9	19	14	V	9.0	9	6.72	192
401430175	2012	9	19	15	V	8.4	6	6.7	191
401430175	2012	9	19	16	V	10.4	13	5.75	193
401430175	2012	9	19	17	V	10.7	14	5.79	190
401430175	2012	9	19	18	V	8.6	7	4.85	184
401430175	2012	9	19	19	V	4.8	7	3	182
401430175	2012	9	19	20	V	3.2	14	2.3	186
401430175	2012	9	19	21	V	7.0	15	1.5	204
401430175	2012	9	19	22	V	5.1	15	1.5	195
401430175	2012	9	19	23	V	3.1	8	3.15	194
401430175	2012	9	19	24	V	2.9	5	2.98	198
401430175	2012	9	20	1	V	5.7	7	1.57	212
401430175	2012	9	20	2	V	7.8	8	1.06	186
401430175	2012	9	20	3	V	4.1	11	1.5	196
401430175	2012	9	20	4	V	6.1	10	1.5	201
401430175	2012	9	20	5	V	37.8	7	0.75	225
401430175	2012	9	20	6	V	39.1	6	0.55	224
401430175	2012	9	20	7	V	14.1	8	1.13	204
401430175	2012	9	20	8	V	16.9	4	1.93	203
401430175	2012	9	20	9	V	8.9	17	2.35	182
401430175	2012	9	20	10	V	8.1	9	3.07	187
401430175	2012	9	20	11	V	13.9	3	2.91	204
401430175	2012	9	20	12	V	8.7	7	1.77	215
401430175	2012	9	20	13	V	6.7	3	1.96	95
401430175	2012	9	20	14	V	4.4	1	2.03	110
401430175	2012	9	20	15	V	3.4	0	2.25	96
401430175	2012	9	20	16	V	4.2	0	2.08	94

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	20	17	V	5.2	0	2.27	93
401430175	2012	9	20	18	V	4.2	0	3.18	64
401430175	2012	9	20	19	V	2.3	1	3.51	57
401430175	2012	9	20	20	V	3.0	2	3.35	51
401430175	2012	9	20	21	V	2.1	1	3.12	57
401430175	2012	9	20	22	V	5.2	1	2.06	40
401430175	2012	9	20	23	V	3.8	1	0.67	9
401430175	2012	9	20	24	V	17.3	1	1.14	168
401430175	2012	9	21	1	V	5.2	0	0.52	302
401430175	2012	9	21	2	C	-999	0	0	0
401430175	2012	9	21	3	V	11.3	1	1.21	210
401430175	2012	9	21	4	V	34.3	10	0.91	217
401430175	2012	9	21	5	V	1.9	3	1.38	358
401430175	2012	9	21	6	C	-999	2	0	0
401430175	2012	9	21	7	V	5.3	1	0.65	251
401430175	2012	9	21	8	V	15.7	17	1.96	200
401430175	2012	9	21	9	V	7.6	25	4.19	190
401430175	2012	9	21	10	V	15.1	10	2.93	214
401430175	2012	9	21	11	V	3.9	0	3.47	254
401430175	2012	9	21	12	V	3.6	0	2.52	276
401430175	2012	9	21	13	V	6.2	0	2.37	319
401430175	2012	9	21	14	V	4.7	0	1.77	350
401430175	2012	9	21	15	V	6.0	1	1.87	202
401430175	2012	9	21	16	V	5.1	1	1.71	277
401430175	2012	9	21	17	V	5.4	0	2.1	287
401430175	2012	9	21	18	V	4.6	0	3.46	38
401430175	2012	9	21	19	V	2.3	2	1.3	15
401430175	2012	9	21	20	V	3.0	2	0.91	304
401430175	2012	9	21	21	V	2.1	1	1.79	345
401430175	2012	9	21	22	V	2.3	0	2.37	6
401430175	2012	9	21	23	V	2.4	0	3.2	13
401430175	2012	9	21	24	V	7.8	0	1.62	43
401430175	2012	9	22	1	V	1.3	0	1.6	20
401430175	2012	9	22	2	V	1.6	0	1.59	15
401430175	2012	9	22	3	V	1.2	0	1.21	345
401430175	2012	9	22	4	V	1.9	0	1.01	270
401430175	2012	9	22	5	V	3.0	0	0.72	270
401430175	2012	9	22	6	V	27.2	0	0.53	235
401430175	2012	9	22	7	V	4.1	0	0.6	11
401430175	2012	9	22	8	V	3.6	4	1.69	19
401430175	2012	9	22	9	V	2.0	1	2.81	19
401430175	2012	9	22	10	V	4.6	1	2.64	45
401430175	2012	9	22	11	V	3.9	2	1.93	108
401430175	2012	9	22	12	V	3.0	1	5.07	23
401430175	2012	9	22	13	V	5.5	0	6.02	25
401430175	2012	9	22	14	V	3.6	0	5.51	35

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	22	15	V	2.9	0	4.85	34
401430175	2012	9	22	16	V	3.2	0	5.5	27
401430175	2012	9	22	17	V	4.5	0	5.7	30
401430175	2012	9	22	18	V	4.1	0	5.51	28
401430175	2012	9	22	19	V	2.5	0	5.12	28
401430175	2012	9	22	20	V	2.8	0	4.94	34
401430175	2012	9	22	21	V	2.3	0	5.38	34
401430175	2012	9	22	22	V	2.6	0	5.31	35
401430175	2012	9	22	23	V	4.1	0	5.38	40
401430175	2012	9	22	24	V	5.0	0	4.65	46
401430175	2012	9	23	1	V	3.3	0	4.93	48
401430175	2012	9	23	2	V	1.6	0	4.07	57
401430175	2012	9	23	3	V	1.2	0	5.14	34
401430175	2012	9	23	4	V	1.6	0	4.12	74
401430175	2012	9	23	5	V	5.8	0	3.83	43
401430175	2012	9	23	6	V	3.4	0	4.41	40
401430175	2012	9	23	7	V	1.8	0	3.9	36
401430175	2012	9	23	8	V	3.0	0	4.66	34
401430175	2012	9	23	9	V	1.8	0	3.4	127
401430175	2012	9	23	10	V	2.1	1	2.5	82
401430175	2012	9	23	11	V	5.4	1	2.78	43
401430175	2012	9	23	12	V	3.9	1	3.44	50
401430175	2012	9	23	13	V	6.0	0	3.86	54
401430175	2012	9	23	14	V	3.3	0	3.64	83
401430175	2012	9	23	15	V	2.6	1	3.78	91
401430175	2012	9	23	16	V	3.1	0	4.27	101
401430175	2012	9	23	17	V	4.4	0	4.71	89
401430175	2012	9	23	18	V	4.2	2	3.73	103
401430175	2012	9	23	19	V	2.3	1	3.25	64
401430175	2012	9	23	20	V	2.6	2	3.29	57
401430175	2012	9	23	21	V	2.1	0	2.88	65
401430175	2012	9	23	22	V	2.3	0	2.81	71
401430175	2012	9	23	23	V	2.3	0	2.73	56
401430175	2012	9	23	24	V	1.9	0	2.91	83
401430175	2012	9	24	1	V	1.3	0	3.12	93
401430175	2012	9	24	2	V	1.6	0	3.52	109
401430175	2012	9	24	3	V	1.0	0	3.63	123
401430175	2012	9	24	4	V	1.5	0	3.68	132
401430175	2012	9	24	5	V	1.9	0	3.78	148
401430175	2012	9	24	6	V	4.2	0	3.88	163
401430175	2012	9	24	7	V	6.5	0	4.59	168
401430175	2012	9	24	8	V	7.9	2	4.22	168
401430175	2012	9	24	9	V	6.3	15	4.66	175
401430175	2012	9	24	10	V	5.7	12	6.41	183
401430175	2012	9	24	11	V	7.3	8	6.99	189
401430175	2012	9	24	12	V	11.2	10	6.6	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	24	13	V	11.8	7	6.02	193
401430175	2012	9	24	14	V	12.2	8	5.78	199
401430175	2012	9	24	15	V	10.3	7	6.26	196
401430175	2012	9	24	16	V	12.0	7	6.72	199
401430175	2012	9	24	17	V	10.2	2	5.73	188
401430175	2012	9	24	18	V	7.8	3	4.87	184
401430175	2012	9	24	19	V	6.0	3	3.98	178
401430175	2012	9	24	20	V	8.5	13	3.08	173
401430175	2012	9	24	21	V	8.6	9	2.5	171
401430175	2012	9	24	22	V	3.5	18	1.65	185
401430175	2012	9	24	23	V	5.6	14	2.81	179
401430175	2012	9	24	24	V	5.0	10	3.05	181
401430175	2012	9	25	1	V	3.0	1	4.94	189
401430175	2012	9	25	2	V	2.2	1	3.63	192
401430175	2012	9	25	3	V	3.3	7	4.92	198
401430175	2012	9	25	4	V	5.9	7	5.39	200
401430175	2012	9	25	5	V	3.8	5	4.83	198
401430175	2012	9	25	6	V	3.0	3	4.75	195
401430175	2012	9	25	7	V	2.6	5	4.19	194
401430175	2012	9	25	8	V	8.3	3	5.17	192
401430175	2012	9	25	9	V	11.8	12	6.09	202
401430175	2012	9	25	10	V	13.9	33	6.94	208
401430175	2012	9	25	11	V	14.5	41	6.7	207
401430175	2012	9	25	12	V	13.9	41	6.94	212
401430175	2012	9	25	13	V	15.2	30	7.72	203
401430175	2012	9	25	14	V	11.3	33	7.03	198
401430175	2012	9	25	15	V	8.3	13	8.06	193
401430175	2012	9	25	16	V	10.8	6	7.57	197
401430175	2012	9	25	17	V	10.6	6	7.43	193
401430175	2012	9	25	18	V	9.3	2	6.67	192
401430175	2012	9	25	19	V	4.6	1	4.99	186
401430175	2012	9	25	20	V	3.7	2	3.78	188
401430175	2012	9	25	21	V	9.2	6	2.08	171
401430175	2012	9	25	22	V	7.7	10	2.81	175
401430175	2012	9	25	23	V	6.4	7	5.38	182
401430175	2012	9	25	24	V	24.4	11	7.91	208
401430175	2012	9	26	1	V	20.7	27	7.71	205
401430175	2012	9	26	2	V	8.7	6	5.58	201
401430175	2012	9	26	3	V	1.0	0	1.55	265
401430175	2012	9	26	4	V	5.3	5	1.84	180
401430175	2012	9	26	5	V	4.1	4	2.2	163
401430175	2012	9	26	6	V	2.0	3	1.74	158
401430175	2012	9	26	7	V	8.3	2	1.28	234
401430175	2012	9	26	8	V	4.0	1	1.33	102
401430175	2012	9	26	9	V	2.3	1	1.79	320
401430175	2012	9	26	10	V	1.7	0	3.46	25

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	26	11	V	3.1	0	2.66	69
401430175	2012	9	26	12	V	3.0	0	3.07	103
401430175	2012	9	26	13	V	5.4	0	3.93	132
401430175	2012	9	26	14	V	3.3	0	4.31	140
401430175	2012	9	26	15	V	2.6	0	3.2	125
401430175	2012	9	26	16	V	3.2	0	3.34	114
401430175	2012	9	26	17	V	6.7	0	3.71	156
401430175	2012	9	26	18	V	10.0	0	3.12	167
401430175	2012	9	26	19	V	13.5	0	1.11	207
401430175	2012	9	26	20	V	9.3	7	2.86	174
401430175	2012	9	26	21	V	2.1	3	2.36	348
401430175	2012	9	26	22	V	3.6	0	3.36	191
401430175	2012	9	26	23	C	-999	4	0	0
401430175	2012	9	26	24	V	13.5	6	2.36	218
401430175	2012	9	27	1	V	32.5	9	5.36	224
401430175	2012	9	27	2	V	23.8	1	4.36	228
401430175	2012	9	27	3	V	2.4	12	2.86	202
401430175	2012	9	27	4	C	-999	6	0	0
401430175	2012	9	27	5	V	1.8	1	1.76	13
401430175	2012	9	27	6	V	1.6	0	1.37	358
401430175	2012	9	27	7	V	1.5	0	2.28	29
401430175	2012	9	27	8	V	3.7	0	1.2	7
401430175	2012	9	27	9	V	2.4	0	2.1	33
401430175	2012	9	27	10	V	3.4	0	3.15	40
401430175	2012	9	27	11	V	3.4	0	3.08	33
401430175	2012	9	27	12	V	3.7	2	2.74	56
401430175	2012	9	27	13	V	8.3	1	1.74	166
401430175	2012	9	27	14	V	5.6	4	1.55	259
401430175	2012	9	27	15	V	3.6	2	1.62	287
401430175	2012	9	27	16	V	4.7	0	1.48	298
401430175	2012	9	27	17	V	5.5	0	1.35	353
401430175	2012	9	27	18	C	-999	0	0	0
401430175	2012	9	27	19	V	4.7	0	0.58	303
401430175	2012	9	27	20	V	17.5	0	1.03	204
401430175	2012	9	27	21	V	5.0	0	0.57	333
401430175	2012	9	27	22	V	3.0	0	0.8	286
401430175	2012	9	27	23	C	-999	0	0	0
401430175	2012	9	27	24	V	6.4	0	0.53	331
401430175	2012	9	28	1	V	2.0	0	0.8	265
401430175	2012	9	28	2	V	16.5	0	0.65	240
401430175	2012	9	28	3	V	4.8	0	0.53	303
401430175	2012	9	28	4	C	-999	0	0	0
401430175	2012	9	28	5	C	-999	0	0	0
401430175	2012	9	28	6	V	2.3	0	0.79	343
401430175	2012	9	28	7	V	3.6	0	0.63	340
401430175	2012	9	28	8	V	6.0	0	1.01	20

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	28	9	V	4.8	0	1.11	39
401430175	2012	9	28	10	V	3.9	0	1.3	93
401430175	2012	9	28	11	V	4.3	1	1.7	83
401430175	2012	9	28	12	V	4.8	-999	1.64	60
401430175	2012	9	28	13	V	6.7	2	1.65	30
401430175	2012	9	28	14	V	3.8	1	2.33	9
401430175	2012	9	28	15	V	3.7	2	1.96	16
401430175	2012	9	28	16	V	4.9	1	1.67	48
401430175	2012	9	28	17	V	8.9	1	2.03	165
401430175	2012	9	28	18	V	10.6	2	1.72	201
401430175	2012	9	28	19	V	2.4	0	1.09	10
401430175	2012	9	28	20	V	2.7	0	2.15	36
401430175	2012	9	28	21	V	2.0	0	2.06	22
401430175	2012	9	28	22	V	2.3	0	2.44	21
401430175	2012	9	28	23	V	2.4	0	3.07	21
401430175	2012	9	28	24	V	2.0	0	3.63	27
401430175	2012	9	29	1	V	1.3	0	3.13	22
401430175	2012	9	29	2	V	1.6	0	3.2	21
401430175	2012	9	29	3	V	1.1	0	3.03	25
401430175	2012	9	29	4	V	1.6	0	2.84	26
401430175	2012	9	29	5	V	1.8	0	2.95	17
401430175	2012	9	29	6	V	1.6	0	2.93	4
401430175	2012	9	29	7	V	1.6	0	2.3	20
401430175	2012	9	29	8	V	2.9	0	2.89	26
401430175	2012	9	29	9	V	1.8	0	3.27	31
401430175	2012	9	29	10	V	3.1	0	3.29	39
401430175	2012	9	29	11	V	4.1	0	3.39	39
401430175	2012	9	29	12	V	3.1	0	2.64	27
401430175	2012	9	29	13	V	5.7	0	2.74	29
401430175	2012	9	29	14	V	3.5	0	2.59	357
401430175	2012	9	29	15	V	2.6	0	2.86	5
401430175	2012	9	29	16	V	3.1	0	3.54	64
401430175	2012	9	29	17	V	5.2	0	1.2	31
401430175	2012	9	29	18	V	4.8	0	0.75	86
401430175	2012	9	29	19	V	4.3	0	0.62	340
401430175	2012	9	29	20	V	4.8	0	0.62	298
401430175	2012	9	29	21	V	4.1	0	0.63	294
401430175	2012	9	29	22	V	4.0	0	0.63	327
401430175	2012	9	29	23	V	2.4	0	1.86	3
401430175	2012	9	29	24	V	1.9	0	1.76	1
401430175	2012	9	30	1	V	1.3	0	1.7	6
401430175	2012	9	30	2	V	1.6	0	1.64	12
401430175	2012	9	30	3	V	1.1	0	2.05	10
401430175	2012	9	30	4	V	1.6	0	2.45	7
401430175	2012	9	30	5	V	1.8	0	2.57	12
401430175	2012	9	30	6	V	1.5	0	1.89	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	9	30	7	V	1.5	0	1.91	14
401430175	2012	9	30	8	V	2.9	0	2.74	19
401430175	2012	9	30	9	V	2.0	0	2.61	17
401430175	2012	9	30	10	V	2.1	0	2.69	22
401430175	2012	9	30	11	V	3.7	0	2.66	32
401430175	2012	9	30	12	V	3.9	0	3.05	48
401430175	2012	9	30	13	V	6.3	2	3.52	42
401430175	2012	9	30	14	V	3.6	1	3.42	23
401430175	2012	9	30	15	V	3.0	2	3.08	23
401430175	2012	9	30	16	V	3.4	2	3.63	25
401430175	2012	9	30	17	V	4.7	2	2.98	22
401430175	2012	9	30	18	V	4.1	2	1.48	21
401430175	2012	9	30	19	V	2.7	2	0.79	351
401430175	2012	9	30	20	V	2.7	1	1.43	344
401430175	2012	9	30	21	V	2.1	0	1.69	5
401430175	2012	9	30	22	V	2.5	0	1.13	310
401430175	2012	9	30	23	V	2.5	0	1.3	7
401430175	2012	9	30	24	V	1.9	0	1.76	346
401430175	2012	10	1	1	V	1.4	0	1.26	313
401430175	2012	10	1	2	V	1.6	0	1.35	347
401430175	2012	10	1	3	V	1.0	0	1.59	348
401430175	2012	10	1	4	V	1.7	0	1.2	337
401430175	2012	10	1	5	V	2.0	0	1.04	317
401430175	2012	10	1	6	V	1.7	0	1.14	333
401430175	2012	10	1	7	V	2.5	0	0.74	317
401430175	2012	10	1	8	C	-999	0	0	0
401430175	2012	10	1	9	V	3.1	1	1.5	299
401430175	2012	10	1	10	V	2.0	0	2.33	332
401430175	2012	10	1	11	V	2.9	0	3.97	354
401430175	2012	10	1	12	V	2.9	0	4.58	356
401430175	2012	10	1	13	V	5.4	1	6.55	17
401430175	2012	10	1	14	V	3.1	1	6.09	10
401430175	2012	10	1	15	V	2.5	1	5.36	23
401430175	2012	10	1	16	V	3.0	1	5.7	21
401430175	2012	10	1	17	V	4.4	1	4.93	27
401430175	2012	10	1	18	V	4.3	0	4	14
401430175	2012	10	1	19	V	2.3	0	3.83	335
401430175	2012	10	1	20	V	2.7	0	3.93	341
401430175	2012	10	1	21	V	2.1	0	3.24	350
401430175	2012	10	1	22	V	2.3	0	2.93	354
401430175	2012	10	1	23	V	2.4	0	2.93	353
401430175	2012	10	1	24	V	2.0	0	2.76	354
401430175	2012	10	2	1	V	1.3	0	2.08	342
401430175	2012	10	2	2	V	1.6	0	1.89	330
401430175	2012	10	2	3	V	1.0	0	2.32	344
401430175	2012	10	2	4	V	1.6	0	2.81	352

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	2	5	V	1.7	0	2.3	347
401430175	2012	10	2	6	V	1.5	0	1.69	333
401430175	2012	10	2	7	V	1.6	0	1.48	332
401430175	2012	10	2	8	V	3.9	0	1.38	304
401430175	2012	10	2	9	V	2.1	0	2.06	348
401430175	2012	10	2	10	V	1.9	0	2.88	24
401430175	2012	10	2	11	V	3.7	0	1.79	5
401430175	2012	10	2	12	V	3.3	0	2.57	19
401430175	2012	10	2	13	V	5.9	0	2.86	334
401430175	2012	10	2	14	V	3.6	0	2.88	314
401430175	2012	10	2	15	V	2.8	0	3	353
401430175	2012	10	2	16	V	3.7	0	2.18	324
401430175	2012	10	2	17	V	4.9	0	2.05	307
401430175	2012	10	2	18	V	4.1	0	1.57	262
401430175	2012	10	2	19	V	2.6	0	1.03	275
401430175	2012	10	2	20	V	3.1	0	0.89	326
401430175	2012	10	2	21	V	2.8	0	0.8	328
401430175	2012	10	2	22	C	-999	0	0	0
401430175	2012	10	2	23	V	5.7	0	0.55	265
401430175	2012	10	2	24	C	-999	0	0	0
401430175	2012	10	3	1	V	2.5	0	0.77	254
401430175	2012	10	3	2	V	35.4	0	0.52	211
401430175	2012	10	3	3	V	5.3	0	0.53	261
401430175	2012	10	3	4	V	24.0	0	0.63	235
401430175	2012	10	3	5	C	-999	0	0	0
401430175	2012	10	3	6	V	37.8	1	0.62	224
401430175	2012	10	3	7	V	4.6	1	0.57	273
401430175	2012	10	3	8	V	13.9	2	0.63	199
401430175	2012	10	3	9	V	11.2	5	0.62	216
401430175	2012	10	3	10	V	8.6	5	1.76	190
401430175	2012	10	3	11	V	8.2	3	2.95	179
401430175	2012	10	3	12	V	11.0	7	4.05	193
401430175	2012	10	3	13	V	11.0	8	4.75	181
401430175	2012	10	3	14	V	10.0	7	5.28	191
401430175	2012	10	3	15	V	9.5	4	5.05	191
401430175	2012	10	3	16	V	10.0	6	5.36	192
401430175	2012	10	3	17	V	11.3	2	5.17	193
401430175	2012	10	3	18	V	5.3	2	3.56	190
401430175	2012	10	3	19	V	3.5	5	1.59	188
401430175	2012	10	3	20	V	6.2	2	1.23	192
401430175	2012	10	3	21	V	7.4	4	1.64	179
401430175	2012	10	3	22	V	7.9	6	2.73	172
401430175	2012	10	3	23	V	6.2	6	2.76	166
401430175	2012	10	3	24	V	6.1	6	2.64	167
401430175	2012	10	4	1	V	7.1	5	2.22	168
401430175	2012	10	4	2	V	3.0	4	1.96	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	4	3	V	2.9	3	0.97	153
401430175	2012	10	4	4	V	34.5	2	0.63	208
401430175	2012	10	4	5	C	-999	0	0	0
401430175	2012	10	4	6	V	1.6	0	1.23	2
401430175	2012	10	4	7	V	18.2	0	1.11	174
401430175	2012	10	4	8	V	7.8	1	2.25	164
401430175	2012	10	4	9	V	6.5	5	3.61	181
401430175	2012	10	4	10	V	7.3	4	3.57	186
401430175	2012	10	4	11	V	9.6	9	4.68	194
401430175	2012	10	4	12	V	13.0	2	3.37	199
401430175	2012	10	4	13	V	11.8	0	2.5	239
401430175	2012	10	4	14	V	3.2	0	2.78	343
401430175	2012	10	4	15	V	2.4	0	3.9	4
401430175	2012	10	4	16	V	3.0	0	3.98	14
401430175	2012	10	4	17	V	4.3	0	3.49	6
401430175	2012	10	4	18	V	4.2	0	4.03	12
401430175	2012	10	4	19	V	2.5	0	4.87	12
401430175	2012	10	4	20	V	2.8	0	4.77	17
401430175	2012	10	4	21	V	2.3	0	4.8	9
401430175	2012	10	4	22	V	2.5	0	4.99	21
401430175	2012	10	4	23	V	2.5	0	3.92	11
401430175	2012	10	4	24	V	2.1	0	3.97	6
401430175	2012	10	5	1	V	1.4	0	4.17	5
401430175	2012	10	5	2	V	1.7	0	4.12	4
401430175	2012	10	5	3	V	1.1	0	4.05	9
401430175	2012	10	5	4	V	1.6	0	3.8	3
401430175	2012	10	5	5	V	1.9	0	3.83	6
401430175	2012	10	5	6	V	1.6	0	3.93	13
401430175	2012	10	5	7	V	1.7	0	4.25	9
401430175	2012	10	5	8	V	2.7	0	4.99	14
401430175	2012	10	5	9	V	1.6	0	4.9	15
401430175	2012	10	5	10	V	1.6	0	4.92	14
401430175	2012	10	5	11	V	2.8	0	4.94	19
401430175	2012	10	5	12	V	2.8	0	4.75	12
401430175	2012	10	5	13	V	5.4	0	5.19	12
401430175	2012	10	5	14	V	3.0	0	5.65	10
401430175	2012	10	5	15	V	2.3	0	6.45	21
401430175	2012	10	5	16	V	2.9	0	6.65	21
401430175	2012	10	5	17	V	4.3	0	6.28	25
401430175	2012	10	5	18	V	4.4	0	6.28	28
401430175	2012	10	5	19	V	2.5	0	6.31	31
401430175	2012	10	5	20	V	2.8	0	4.41	35
401430175	2012	10	5	21	V	2.1	1	5.19	32
401430175	2012	10	5	22	V	2.3	2	4.73	32
401430175	2012	10	5	23	V	2.4	1	3.46	21
401430175	2012	10	5	24	V	2.0	0	3.12	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	6	1	V	1.3	0	2.67	10
401430175	2012	10	6	2	V	1.6	0	3.25	7
401430175	2012	10	6	3	V	1.0	0	3.24	10
401430175	2012	10	6	4	V	1.5	0	2.35	14
401430175	2012	10	6	5	V	1.8	0	2.56	31
401430175	2012	10	6	6	V	1.5	0	2.3	29
401430175	2012	10	6	7	V	1.6	0	2.23	21
401430175	2012	10	6	8	V	3.1	0	1.81	18
401430175	2012	10	6	9	V	1.7	0	3.39	22
401430175	2012	10	6	10	V	1.6	0	4.37	25
401430175	2012	10	6	11	V	2.8	1	4.36	25
401430175	2012	10	6	12	V	2.8	1	4.85	30
401430175	2012	10	6	13	V	5.4	1	4.73	20
401430175	2012	10	6	14	V	3.1	3	4.8	31
401430175	2012	10	6	15	V	2.4	1	3.86	26
401430175	2012	10	6	16	V	3.0	0	5.27	20
401430175	2012	10	6	17	V	4.3	0	4.6	19
401430175	2012	10	6	18	V	4.1	0	3.07	21
401430175	2012	10	6	19	V	2.3	0	2.37	9
401430175	2012	10	6	20	V	2.7	0	3.35	18
401430175	2012	10	6	21	V	2.0	0	2.27	3
401430175	2012	10	6	22	V	2.3	0	1.37	355
401430175	2012	10	6	23	V	3.0	0	0.86	335
401430175	2012	10	6	24	V	2.0	0	1.54	334
401430175	2012	10	7	1	V	1.3	0	1.59	351
401430175	2012	10	7	2	V	1.6	0	1.79	358
401430175	2012	10	7	3	V	1.0	0	1.98	354
401430175	2012	10	7	4	V	1.5	0	1.91	2
401430175	2012	10	7	5	V	2.3	0	0.92	278
401430175	2012	10	7	6	V	1.6	0	1.42	322
401430175	2012	10	7	7	V	2.5	0	0.77	294
401430175	2012	10	7	8	V	6.8	0	0.72	273
401430175	2012	10	7	9	V	1.8	0	2.89	18
401430175	2012	10	7	10	V	2.2	0	2.54	28
401430175	2012	10	7	11	V	3.5	0	2.27	70
401430175	2012	10	7	12	V	3.3	0	2.86	66
401430175	2012	10	7	13	V	6.1	0	2.42	23
401430175	2012	10	7	14	V	4.3	0	2.13	30
401430175	2012	10	7	15	V	3.8	0	1.91	37
401430175	2012	10	7	16	V	5.9	0	0.62	266
401430175	2012	10	7	17	V	15.0	0	1.5	230
401430175	2012	10	7	18	V	15.1	0	2.61	218
401430175	2012	10	7	19	V	23.1	17	4.32	211
401430175	2012	10	7	20	V	3.7	8	2.95	208
401430175	2012	10	7	21	V	4.0	6	1.82	207
401430175	2012	10	7	22	V	36.7	7	0.53	225

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	7	23	V	29.4	1	0.53	233
401430175	2012	10	7	24	V	33.0	0	0.69	228
401430175	2012	10	8	1	V	28.0	0	0.55	233
401430175	2012	10	8	2	C	-999	0	0	0
401430175	2012	10	8	3	V	4.5	0	0.74	248
401430175	2012	10	8	4	V	32.9	0	0.55	229
401430175	2012	10	8	5	V	33.5	0	0.96	224
401430175	2012	10	8	6	V	4.3	0	0.58	286
401430175	2012	10	8	7	V	9.2	1	0.57	249
401430175	2012	10	8	8	V	14.8	1	1.26	203
401430175	2012	10	8	9	V	7.9	4	1.35	164
401430175	2012	10	8	10	V	7.0	2	4	187
401430175	2012	10	8	11	V	8.6	6	3.98	187
401430175	2012	10	8	12	V	8.1	5	4.14	181
401430175	2012	10	8	13	V	12.2	4	4.1	191
401430175	2012	10	8	14	V	8.2	5	4.85	181
401430175	2012	10	8	15	V	8.5	9	5.27	191
401430175	2012	10	8	16	V	9.9	5	5	193
401430175	2012	10	8	17	V	12.7	12	5.31	197
401430175	2012	10	8	18	V	5.2	5	3.68	188
401430175	2012	10	8	19	V	3.4	8	2.03	185
401430175	2012	10	8	20	V	4.3	5	2.42	181
401430175	2012	10	8	21	V	12.4	7	1.14	202
401430175	2012	10	8	22	V	38.5	5	0.67	222
401430175	2012	10	8	23	V	31.5	5	0.79	213
401430175	2012	10	8	24	V	17.7	14	0.67	181
401430175	2012	10	9	1	V	37.8	8	0.57	216
401430175	2012	10	9	2	V	6.9	6	1.11	190
401430175	2012	10	9	3	V	9.2	6	1.08	196
401430175	2012	10	9	4	V	6.0	5	1.47	181
401430175	2012	10	9	5	V	5.8	3	1.99	165
401430175	2012	10	9	6	V	2.4	2	2.06	160
401430175	2012	10	9	7	V	4.0	1	2.96	163
401430175	2012	10	9	8	V	8.5	3	4.22	169
401430175	2012	10	9	9	V	6.2	22	5.43	177
401430175	2012	10	9	10	V	7.0	22	6.77	176
401430175	2012	10	9	11	V	5.7	14	7.03	186
401430175	2012	10	9	12	V	7.3	6	6.28	180
401430175	2012	10	9	13	V	9.0	6	5.97	188
401430175	2012	10	9	14	V	7.9	5	3.71	184
401430175	2012	10	9	15	V	2.9	4	2.13	144
401430175	2012	10	9	16	V	4.5	-999	2.03	152
401430175	2012	10	9	17	V	4.5	0	2.23	137
401430175	2012	10	9	18	V	4.1	0	1.91	127
401430175	2012	10	9	19	V	2.6	0	1.03	59
401430175	2012	10	9	20	V	2.6	0	1.54	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	9	21	V	4.6	0	0.58	311
401430175	2012	10	9	22	V	2.5	0	1.11	347
401430175	2012	10	9	23	V	2.4	0	1.47	8
401430175	2012	10	9	24	V	2.0	0	3.91	7
401430175	2012	10	10	1	V	1.5	0	4.8	15
401430175	2012	10	10	2	V	1.7	0	4.83	15
401430175	2012	10	10	3	V	1.1	0	4.82	18
401430175	2012	10	10	4	V	1.6	0	3.47	11
401430175	2012	10	10	5	V	1.8	0	3.1	13
401430175	2012	10	10	6	V	1.5	0	1.99	358
401430175	2012	10	10	7	V	1.5	0	2.11	16
401430175	2012	10	10	8	V	3.1	0	2.35	23
401430175	2012	10	10	9	V	5.8	0	2.91	42
401430175	2012	10	10	10	V	1.7	2	3.85	62
401430175	2012	10	10	11	V	2.9	0	4.36	67
401430175	2012	10	10	12	V	4.3	0	4.39	51
401430175	2012	10	10	13	V	7.5	0	5.21	44
401430175	2012	10	10	14	V	3.6	0	4.7	55
401430175	2012	10	10	15	V	2.5	0	4.07	78
401430175	2012	10	10	16	V	3.2	0	3.76	84
401430175	2012	10	10	17	V	4.3	0	2.93	97
401430175	2012	10	10	18	V	4.1	0	3.01	94
401430175	2012	10	10	19	V	2.3	1	2.16	91
401430175	2012	10	10	20	V	2.6	0	1.67	87
401430175	2012	10	10	21	V	2.1	0	1.98	102
401430175	2012	10	10	22	V	2.3	0	1.84	111
401430175	2012	10	10	23	V	2.4	0	1.67	128
401430175	2012	10	10	24	V	7.1	0	1.64	165
401430175	2012	10	11	1	V	10.5	0	1.72	170
401430175	2012	10	11	2	V	8.7	0	2.57	172
401430175	2012	10	11	3	V	7.4	0	2.86	169
401430175	2012	10	11	4	V	7.4	0	3.13	168
401430175	2012	10	11	5	V	8.7	0	2.57	170
401430175	2012	10	11	6	V	5.6	0	2.13	164
401430175	2012	10	11	7	V	5.4	0	2.44	163
401430175	2012	10	11	8	V	8.7	0	3.08	167
401430175	2012	10	11	9	V	7.5	5	4.09	174
401430175	2012	10	11	10	V	6.6	15	4.27	178
401430175	2012	10	11	11	V	6.8	6	4.7	184
401430175	2012	10	11	12	V	7.7	4	5.36	191
401430175	2012	10	11	13	V	11.0	4	4.95	192
401430175	2012	10	11	14	V	6.9	4	6.21	187
401430175	2012	10	11	15	V	10.0	7	6.52	197
401430175	2012	10	11	16	V	10.8	12	5.17	196
401430175	2012	10	11	17	V	17.3	4	3.83	206
401430175	2012	10	11	18	V	8.4	4	2.27	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	11	19	V	21.9	2	0.84	211
401430175	2012	10	11	20	V	15.8	1	0.72	188
401430175	2012	10	11	21	V	26.9	1	0.75	206
401430175	2012	10	11	22	V	21.1	1	0.52	178
401430175	2012	10	11	23	V	5.3	0	0.55	269
401430175	2012	10	11	24	C	-999	0	0	0
401430175	2012	10	12	1	V	1.5	0	1.25	146
401430175	2012	10	12	2	V	20.5	0	0.94	172
401430175	2012	10	12	3	V	7.0	0	1.69	166
401430175	2012	10	12	4	V	3.3	0	0.91	151
401430175	2012	10	12	5	V	7.2	3	1.21	183
401430175	2012	10	12	6	V	4.4	1	2.81	202
401430175	2012	10	12	7	V	2.9	2	3.47	196
401430175	2012	10	12	8	V	12.3	2	3.69	200
401430175	2012	10	12	9	V	2.0	0	2.03	254
401430175	2012	10	12	10	V	2.1	0	2.81	28
401430175	2012	10	12	11	V	3.4	0	4.85	54
401430175	2012	10	12	12	V	2.8	0	5.41	102
401430175	2012	10	12	13	V	5.3	0	6.57	123
401430175	2012	10	12	14	V	3.1	0	5.6	135
401430175	2012	10	12	15	V	2.4	3	5.84	135
401430175	2012	10	12	16	V	5.1	0	6.07	159
401430175	2012	10	12	17	V	6.3	0	5.14	158
401430175	2012	10	12	18	V	7.0	0	4.65	162
401430175	2012	10	12	19	V	2.4	0	3.22	152
401430175	2012	10	12	20	V	4.8	0	2.3	163
401430175	2012	10	12	21	V	2.4	0	1.93	157
401430175	2012	10	12	22	V	4.6	0	1.71	182
401430175	2012	10	12	23	V	7.9	0	3.07	170
401430175	2012	10	12	24	V	6.9	1	4.32	170
401430175	2012	10	13	1	V	5.9	3	4.26	169
401430175	2012	10	13	2	V	7.0	2	3.15	170
401430175	2012	10	13	3	V	5.6	3	3.15	167
401430175	2012	10	13	4	V	6.9	1	3.47	171
401430175	2012	10	13	5	V	6.1	0	3.97	169
401430175	2012	10	13	6	V	6.3	1	4.68	168
401430175	2012	10	13	7	V	7.1	8	4.88	171
401430175	2012	10	13	8	V	10.8	13	5.16	172
401430175	2012	10	13	9	V	9.5	14	5.26	173
401430175	2012	10	13	10	V	5.2	12	7.35	182
401430175	2012	10	13	11	V	6.1	12	7.23	183
401430175	2012	10	13	12	V	6.5	7	7.13	182
401430175	2012	10	13	13	V	9.4	2	6.07	189
401430175	2012	10	13	14	V	7.7	2	6.3	191
401430175	2012	10	13	15	V	8.8	6	4.61	177
401430175	2012	10	13	16	V	8.6	5	4.7	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	13	17	V	10.0	3	6.19	178
401430175	2012	10	13	18	V	18.2	0	3.35	225
401430175	2012	10	13	19	V	2.4	1	2.35	276
401430175	2012	10	13	20	V	3.9	0	2.47	158
401430175	2012	10	13	21	V	6.0	0	3.1	178
401430175	2012	10	13	22	V	3.0	1	3.8	196
401430175	2012	10	13	23	V	3.6	2	4.05	202
401430175	2012	10	13	24	V	2.8	1	2.88	199
401430175	2012	10	14	1	V	6.7	3	2.73	213
401430175	2012	10	14	2	V	7.6	1	3.03	235
401430175	2012	10	14	3	V	11.7	0	2.57	227
401430175	2012	10	14	4	V	8.8	0	2.91	232
401430175	2012	10	14	5	V	5.7	0	2.89	238
401430175	2012	10	14	6	V	3.4	0	3	242
401430175	2012	10	14	7	V	1.5	0	2.32	253
401430175	2012	10	14	8	V	3.0	0	2.23	272
401430175	2012	10	14	9	V	2.0	0	2.32	284
401430175	2012	10	14	10	V	1.8	0	3	296
401430175	2012	10	14	11	V	3.0	0	3.13	320
401430175	2012	10	14	12	V	3.0	0	3.85	324
401430175	2012	10	14	13	V	5.5	0	3.9	330
401430175	2012	10	14	14	V	3.3	0	3.56	331
401430175	2012	10	14	15	V	2.6	0	3.52	336
401430175	2012	10	14	16	V	3.1	0	3.73	338
401430175	2012	10	14	17	V	4.4	0	3.18	340
401430175	2012	10	14	18	V	4.1	0	1.72	330
401430175	2012	10	14	19	V	2.5	0	1.08	302
401430175	2012	10	14	20	V	4.9	0	0.6	278
401430175	2012	10	14	21	C	-999	0	0	0
401430175	2012	10	14	22	V	4.9	0	0.58	264
401430175	2012	10	14	23	C	-999	0	0	0
401430175	2012	10	14	24	V	22.4	0	0.72	201
401430175	2012	10	15	1	V	10.6	0	0.99	195
401430175	2012	10	15	2	V	26.8	0	0.72	205
401430175	2012	10	15	3	C	-999	0	0	0
401430175	2012	10	15	4	V	19.3	0	0.53	171
401430175	2012	10	15	5	C	-999	0	0	0
401430175	2012	10	15	6	V	34.4	0	0.58	207
401430175	2012	10	15	7	C	-999	1	0	0
401430175	2012	10	15	8	C	-999	1	0	0
401430175	2012	10	15	9	V	14.2	1	1.94	225
401430175	2012	10	15	10	V	11.9	0	2.27	227
401430175	2012	10	15	11	V	10.5	0	3.49	235
401430175	2012	10	15	12	V	11.5	0	3.91	232
401430175	2012	10	15	13	V	15.7	4	3.95	228
401430175	2012	10	15	14	V	11.9	2	3.57	232

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	15	15	V	13.5	0	3.27	226
401430175	2012	10	15	16	V	11.3	1	2.81	236
401430175	2012	10	15	17	V	21.5	19	3.13	221
401430175	2012	10	15	18	V	5.0	11	3.61	199
401430175	2012	10	15	19	V	2.9	1	2.69	198
401430175	2012	10	15	20	V	3.4	2	2.91	197
401430175	2012	10	15	21	V	3.2	1	3	201
401430175	2012	10	15	22	V	2.9	3	2.55	200
401430175	2012	10	15	23	V	3.9	9	1.72	195
401430175	2012	10	15	24	V	3.0	2	2.95	200
401430175	2012	10	16	1	V	2.2	6	2.21	200
401430175	2012	10	16	2	V	2.3	4	3.42	195
401430175	2012	10	16	3	V	1.9	2	3.44	188
401430175	2012	10	16	4	V	2.2	8	3.54	190
401430175	2012	10	16	5	V	2.7	7	2.95	187
401430175	2012	10	16	6	V	2.5	5	1.79	194
401430175	2012	10	16	7	V	1.9	3	2.67	188
401430175	2012	10	16	8	V	10.0	5	1.84	193
401430175	2012	10	16	9	V	6.7	11	4.05	189
401430175	2012	10	16	10	V	8.1	8	6.28	197
401430175	2012	10	16	11	V	8.4	4	7.79	194
401430175	2012	10	16	12	V	6.8	8	8.73	190
401430175	2012	10	16	13	V	9.7	7	8.11	190
401430175	2012	10	16	14	V	6.7	13	8.16	184
401430175	2012	10	16	15	V	6.4	12	8.08	180
401430175	2012	10	16	16	V	6.8	11	7.72	186
401430175	2012	10	16	17	V	8.7	9	7.4	180
401430175	2012	10	16	18	V	7.4	7	5.79	186
401430175	2012	10	16	19	V	3.9	2	4.51	187
401430175	2012	10	16	20	V	7.3	14	3.46	168
401430175	2012	10	16	21	V	6.5	7	3.95	170
401430175	2012	10	16	22	V	6.8	2	3.92	171
401430175	2012	10	16	23	V	7.4	1	4.53	170
401430175	2012	10	16	24	V	7.6	6	5.22	171
401430175	2012	10	17	1	V	6.4	15	4.73	174
401430175	2012	10	17	2	V	5.9	19	4.05	175
401430175	2012	10	17	3	V	6.1	14	3.59	172
401430175	2012	10	17	4	V	5.8	7	4	178
401430175	2012	10	17	5	V	6.1	10	5.67	184
401430175	2012	10	17	6	V	8.2	13	6.11	180
401430175	2012	10	17	7	V	6.9	8	5.46	180
401430175	2012	10	17	8	V	6.3	4	5.38	186
401430175	2012	10	17	9	V	6.0	8	5.67	190
401430175	2012	10	17	10	V	19.8	11	3.76	219
401430175	2012	10	17	11	V	3.0	2	3.56	260
401430175	2012	10	17	12	V	3.0	1	3.73	345

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	17	13	V	5.6	1	3.46	6
401430175	2012	10	17	14	V	3.1	1	5.21	355
401430175	2012	10	17	15	V	2.4	0	5.44	329
401430175	2012	10	17	16	V	3.0	0	4.7	329
401430175	2012	10	17	17	V	4.4	0	3.8	322
401430175	2012	10	17	18	V	4.1	0	2.32	316
401430175	2012	10	17	19	V	2.4	0	1.2	320
401430175	2012	10	17	20	V	2.6	0	1.5	315
401430175	2012	10	17	21	V	2.1	0	1.76	327
401430175	2012	10	17	22	V	2.3	0	1.5	321
401430175	2012	10	17	23	V	2.8	0	0.96	286
401430175	2012	10	17	24	V	2.2	0	1.06	271
401430175	2012	10	18	1	V	1.3	0	1.35	282
401430175	2012	10	18	2	V	1.6	0	1.38	290
401430175	2012	10	18	3	V	1.1	0	1.31	261
401430175	2012	10	18	4	V	1.6	0	1.5	256
401430175	2012	10	18	5	V	1.8	1	1.48	260
401430175	2012	10	18	6	V	1.5	2	1.62	250
401430175	2012	10	18	7	V	1.6	1	1.62	246
401430175	2012	10	18	8	V	2.9	1	2.49	283
401430175	2012	10	18	9	V	1.7	0	3.93	298
401430175	2012	10	18	10	V	1.6	-999	4.73	306
401430175	2012	10	18	11	V	2.9	-999	4.54	301
401430175	2012	10	18	12	V	2.9	0	5.14	295
401430175	2012	10	18	13	V	5.5	0	5.87	297
401430175	2012	10	18	14	V	3.1	0	6.16	292
401430175	2012	10	18	15	V	2.4	0	5.92	290
401430175	2012	10	18	16	V	3.0	0	5.6	284
401430175	2012	10	18	17	V	4.3	0	5.29	286
401430175	2012	10	18	18	V	4.2	0	3.73	296
401430175	2012	10	18	19	V	2.3	0	2.84	292
401430175	2012	10	18	20	V	2.7	0	2.47	300
401430175	2012	10	18	21	V	2.2	0	2.2	300
401430175	2012	10	18	22	V	2.3	0	2.88	290
401430175	2012	10	18	23	V	2.5	0	2.42	265
401430175	2012	10	18	24	V	2.1	0	2.45	258
401430175	2012	10	19	1	V	1.5	0	2.67	255
401430175	2012	10	19	2	V	1.7	0	2.45	258
401430175	2012	10	19	3	V	1.2	0	2.3	256
401430175	2012	10	19	4	V	1.6	0	2.16	258
401430175	2012	10	19	5	V	1.9	0	2.11	269
401430175	2012	10	19	6	V	1.6	0	2.06	266
401430175	2012	10	19	7	V	1.5	0	2.2	262
401430175	2012	10	19	8	V	2.9	0	2.83	270
401430175	2012	10	19	9	V	1.7	0	4.34	297
401430175	2012	10	19	10	V	1.6	0	4.53	304

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	19	11	V	2.9	0	4.02	293
401430175	2012	10	19	12	V	3.0	0	3.95	302
401430175	2012	10	19	13	V	5.5	0	4.27	296
401430175	2012	10	19	14	V	3.2	0	3.88	291
401430175	2012	10	19	15	V	2.6	0	3.49	290
401430175	2012	10	19	16	V	3.2	0	3.18	307
401430175	2012	10	19	17	V	4.5	0	2.38	313
401430175	2012	10	19	18	V	4.3	0	0.99	304
401430175	2012	10	19	19	V	3.0	0	0.7	283
401430175	2012	10	19	20	V	4.1	0	0.8	251
401430175	2012	10	19	21	V	9.9	1	0.86	240
401430175	2012	10	19	22	V	4.5	0	0.62	262
401430175	2012	10	19	23	C	-999	1	0	0
401430175	2012	10	19	24	C	-999	0	0	0
401430175	2012	10	20	1	V	38.3	0	0.53	220
401430175	2012	10	20	2	C	-999	0	0	0
401430175	2012	10	20	3	V	6.7	1	0.65	248
401430175	2012	10	20	4	V	3.6	1	0.63	293
401430175	2012	10	20	5	V	4.3	1	0.6	296
401430175	2012	10	20	6	C	-999	1	0	0
401430175	2012	10	20	7	V	36.5	0	0.7	219
401430175	2012	10	20	8	V	27.8	1	1.06	217
401430175	2012	10	20	9	V	6.9	0	2.39	166
401430175	2012	10	20	10	V	6.5	7	3.39	179
401430175	2012	10	20	11	V	7.6	5	4.48	182
401430175	2012	10	20	12	V	8.1	6	3.98	181
401430175	2012	10	20	13	V	10.9	5	4.12	187
401430175	2012	10	20	14	V	8.3	6	4.12	177
401430175	2012	10	20	15	V	5.5	3	4.61	160
401430175	2012	10	20	16	V	8.9	8	5.62	170
401430175	2012	10	20	17	V	11.6	12	5.48	174
401430175	2012	10	20	18	V	8.7	20	4.02	172
401430175	2012	10	20	19	V	6.4	3	2.96	166
401430175	2012	10	20	20	V	8.2	1	3.07	169
401430175	2012	10	20	21	V	5.9	1	2.44	166
401430175	2012	10	20	22	V	2.4	1	1.79	155
401430175	2012	10	20	23	V	2.4	1	1.82	148
401430175	2012	10	20	24	V	2.1	1	1.59	154
401430175	2012	10	21	1	V	1.3	1	1.99	150
401430175	2012	10	21	2	V	1.6	1	2.44	155
401430175	2012	10	21	3	V	2.1	1	2.32	161
401430175	2012	10	21	4	V	6.6	1	2.73	169
401430175	2012	10	21	5	V	7.5	1	3.07	172
401430175	2012	10	21	6	V	7.1	0	3.29	172
401430175	2012	10	21	7	V	7.0	1	3.27	168
401430175	2012	10	21	8	V	7.7	1	3.75	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	21	9	V	7.3	7	5.12	171
401430175	2012	10	21	10	V	5.9	16	6.16	179
401430175	2012	10	21	11	V	5.9	9	6.89	184
401430175	2012	10	21	12	V	5.9	9	7.47	184
401430175	2012	10	21	13	V	8.7	7	7.54	184
401430175	2012	10	21	14	V	6.7	9	8.28	181
401430175	2012	10	21	15	V	6.2	12	7.82	181
401430175	2012	10	21	16	V	8.6	13	7.64	176
401430175	2012	10	21	17	V	8.9	13	7.72	179
401430175	2012	10	21	18	V	10.9	16	6.35	176
401430175	2012	10	21	19	V	8.3	23	5.26	173
401430175	2012	10	21	20	V	7.9	9	4.68	170
401430175	2012	10	21	21	V	7.3	2	4.99	168
401430175	2012	10	21	22	V	9.4	13	6.26	173
401430175	2012	10	21	23	V	9.3	22	6.14	173
401430175	2012	10	21	24	V	8.1	20	5.46	171
401430175	2012	10	22	1	V	7.2	19	5.29	173
401430175	2012	10	22	2	V	6.5	20	5.51	178
401430175	2012	10	22	3	V	4.8	13	5.79	184
401430175	2012	10	22	4	V	5.7	10	5.82	183
401430175	2012	10	22	5	V	6.1	11	6.12	185
401430175	2012	10	22	6	V	4.8	4	5.85	187
401430175	2012	10	22	7	V	5.5	8	5.48	182
401430175	2012	10	22	8	V	7.1	14	5.45	180
401430175	2012	10	22	9	V	5.2	11	6.3	183
401430175	2012	10	22	10	V	4.6	-999	6.69	186
401430175	2012	10	22	11	V	9.6	-999	7.86	196
401430175	2012	10	22	12	V	7.9	5	8.27	193
401430175	2012	10	22	13	V	14.0	12	6.38	199
401430175	2012	10	22	14	V	16.2	34	5.48	211
401430175	2012	10	22	15	V	15.8	29	5.26	221
401430175	2012	10	22	16	V	7.9	10	4.61	182
401430175	2012	10	22	17	V	9.1	5	3.69	184
401430175	2012	10	22	18	V	9.9	6	3.29	172
401430175	2012	10	22	19	V	3.1	1	1.99	192
401430175	2012	10	22	20	V	3.1	1	2.01	191
401430175	2012	10	22	21	V	3.2	2	1.91	196
401430175	2012	10	22	22	V	5.0	2	2.89	181
401430175	2012	10	22	23	V	7.0	7	3.29	167
401430175	2012	10	22	24	V	6.9	11	3.23	168
401430175	2012	10	23	1	V	5.7	7	3.81	169
401430175	2012	10	23	2	V	7.9	6	3.05	169
401430175	2012	10	23	3	V	4.6	4	2.2	165
401430175	2012	10	23	4	V	5.7	7	2.93	166
401430175	2012	10	23	5	V	7.1	10	3.37	174
401430175	2012	10	23	6	V	4.9	8	4.24	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	23	7	V	4.4	2	5.26	191
401430175	2012	10	23	8	V	6.9	3	6.01	190
401430175	2012	10	23	9	V	4.6	6	5.9	187
401430175	2012	10	23	10	V	5.0	2	6.91	189
401430175	2012	10	23	11	V	8.5	1	7.69	194
401430175	2012	10	23	12	V	8.5	2	7.99	194
401430175	2012	10	23	13	V	9.2	3	7.67	190
401430175	2012	10	23	14	V	7.2	3	7.99	191
401430175	2012	10	23	15	V	5.7	3	8.01	188
401430175	2012	10	23	16	V	6.1	5	7.91	187
401430175	2012	10	23	17	V	7.9	9	7.23	182
401430175	2012	10	23	18	V	10.6	15	5.9	173
401430175	2012	10	23	19	V	7.8	13	4.82	170
401430175	2012	10	23	20	V	8.2	26	4.99	173
401430175	2012	10	23	21	V	6.7	23	4.48	176
401430175	2012	10	23	22	V	6.0	13	4.17	178
401430175	2012	10	23	23	V	5.8	6	4.42	181
401430175	2012	10	23	24	V	3.8	6	4.05	185
401430175	2012	10	24	1	V	4.2	10	3.32	181
401430175	2012	10	24	2	V	7.3	10	3.06	172
401430175	2012	10	24	3	V	4.6	8	3.47	179
401430175	2012	10	24	4	V	6.2	16	3.63	174
401430175	2012	10	24	5	V	6.7	8	4.46	174
401430175	2012	10	24	6	V	6.3	12	4.53	175
401430175	2012	10	24	7	V	6.8	16	4.63	172
401430175	2012	10	24	8	V	7.4	14	4.56	179
401430175	2012	10	24	9	V	5.3	10	6.19	186
401430175	2012	10	24	10	V	5.0	2	7.86	188
401430175	2012	10	24	11	V	6.1	2	8.28	187
401430175	2012	10	24	12	V	7.5	3	7.43	191
401430175	2012	10	24	13	V	9.4	3	7.13	187
401430175	2012	10	24	14	V	6.9	3	7.37	185
401430175	2012	10	24	15	V	7.2	1	7.81	192
401430175	2012	10	24	16	V	6.6	4	7.3	186
401430175	2012	10	24	17	V	7.5	10	7.42	183
401430175	2012	10	24	18	V	10.2	17	5.58	171
401430175	2012	10	24	19	V	8.6	10	5.65	172
401430175	2012	10	24	20	V	9.2	22	5.97	171
401430175	2012	10	24	21	V	8.1	21	5.75	169
401430175	2012	10	24	22	V	7.5	1	5.99	166
401430175	2012	10	24	23	V	8.7	14	5.7	172
401430175	2012	10	24	24	V	5.1	9	4.63	182
401430175	2012	10	25	1	V	5.9	16	4.02	172
401430175	2012	10	25	2	V	5.9	18	4	175
401430175	2012	10	25	3	V	6.4	11	4.88	174
401430175	2012	10	25	4	V	6.7	5	4.92	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	25	5	V	7.3	9	5.46	176
401430175	2012	10	25	6	V	7.5	17	6.19	177
401430175	2012	10	25	7	V	8.4	2	5.68	198
401430175	2012	10	25	8	V	10.9	6	5.82	199
401430175	2012	10	25	9	V	15.2	17	5.55	217
401430175	2012	10	25	10	V	1.6	-999	4.7	313
401430175	2012	10	25	11	V	2.8	-999	4.29	323
401430175	2012	10	25	12	V	2.8	0	4.36	333
401430175	2012	10	25	13	V	5.4	0	5.58	337
401430175	2012	10	25	14	V	3.0	0	5.17	340
401430175	2012	10	25	15	V	2.3	0	5.8	352
401430175	2012	10	25	16	V	3.0	0	5.22	3
401430175	2012	10	25	17	V	4.3	0	5.26	11
401430175	2012	10	25	18	V	4.3	0	4.73	12
401430175	2012	10	25	19	V	2.6	0	5.62	15
401430175	2012	10	25	20	V	2.9	0	5.82	14
401430175	2012	10	25	21	V	2.2	0	4.8	17
401430175	2012	10	25	22	V	2.4	0	4.36	20
401430175	2012	10	25	23	V	2.5	0	4.49	20
401430175	2012	10	25	24	V	2.1	0	4.71	15
401430175	2012	10	26	1	V	1.4	0	4.73	8
401430175	2012	10	26	2	V	1.7	0	5.04	11
401430175	2012	10	26	3	V	1.2	0	5.05	13
401430175	2012	10	26	4	V	1.8	0	5.36	15
401430175	2012	10	26	5	V	2.1	0	6.04	11
401430175	2012	10	26	6	V	1.8	0	6.47	14
401430175	2012	10	26	7	V	1.8	0	6.06	12
401430175	2012	10	26	8	V	3.0	0	5.85	10
401430175	2012	10	26	9	V	1.6	0	6.87	17
401430175	2012	10	26	10	V	1.6	0	6.23	16
401430175	2012	10	26	11	V	2.8	0	5.9	2
401430175	2012	10	26	12	V	2.8	0	5.67	2
401430175	2012	10	26	13	V	5.4	0	6.01	7
401430175	2012	10	26	14	V	3.1	0	6.47	15
401430175	2012	10	26	15	V	2.4	0	5.68	11
401430175	2012	10	26	16	V	3.0	0	5.62	11
401430175	2012	10	26	17	V	4.3	0	4.63	8
401430175	2012	10	26	18	V	4.2	0	4.63	8
401430175	2012	10	26	19	V	2.3	0	3.56	14
401430175	2012	10	26	20	V	2.6	0	3.51	7
401430175	2012	10	26	21	V	2.1	0	3.27	9
401430175	2012	10	26	22	V	2.3	0	3.08	8
401430175	2012	10	26	23	V	2.3	0	2.38	12
401430175	2012	10	26	24	V	1.9	0	2.42	11
401430175	2012	10	27	1	V	1.2	0	2.44	10
401430175	2012	10	27	2	V	1.6	0	2.64	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	27	3	V	1.0	0	2.93	20
401430175	2012	10	27	4	V	1.5	0	2.25	6
401430175	2012	10	27	5	V	1.8	0	1.89	2
401430175	2012	10	27	6	V	1.5	0	1.98	9
401430175	2012	10	27	7	V	1.5	0	1.96	3
401430175	2012	10	27	8	V	2.8	0	2.76	11
401430175	2012	10	27	9	V	1.8	0	3.13	15
401430175	2012	10	27	10	V	2.9	0	2.93	34
401430175	2012	10	27	11	V	4.2	0	2.83	54
401430175	2012	10	27	12	V	5.6	2	3.07	46
401430175	2012	10	27	13	V	6.2	3	3.08	31
401430175	2012	10	27	14	V	5.3	0	3.63	48
401430175	2012	10	27	15	V	2.7	1	2.91	25
401430175	2012	10	27	16	V	3.2	3	2.96	24
401430175	2012	10	27	17	V	4.3	1	2.69	14
401430175	2012	10	27	18	V	4.1	1	1.5	352
401430175	2012	10	27	19	V	2.3	0	1.62	351
401430175	2012	10	27	20	V	2.7	0	1.3	1
401430175	2012	10	27	21	V	2.1	0	1.72	359
401430175	2012	10	27	22	V	2.3	0	1.54	5
401430175	2012	10	27	23	V	2.6	0	1.08	5
401430175	2012	10	27	24	V	2.5	0	0.92	355
401430175	2012	10	28	1	V	1.4	0	1.31	12
401430175	2012	10	28	2	V	1.8	0	1.08	3
401430175	2012	10	28	3	V	1.8	0	0.82	345
401430175	2012	10	28	4	V	2.3	0	0.84	337
401430175	2012	10	28	5	V	2.8	0	0.74	284
401430175	2012	10	28	6	C	-999	0	0	0
401430175	2012	10	28	7	V	2.4	0	0.77	265
401430175	2012	10	28	8	V	2.9	0	1.09	348
401430175	2012	10	28	9	V	1.8	0	2.89	18
401430175	2012	10	28	10	V	3.3	0	2.23	32
401430175	2012	10	28	11	V	4.7	0	3.85	51
401430175	2012	10	28	12	V	3.6	2	3.49	56
401430175	2012	10	28	13	V	7.5	4	2.11	49
401430175	2012	10	28	14	V	4.5	3	1.77	59
401430175	2012	10	28	15	V	3.3	1	1.87	128
401430175	2012	10	28	16	V	4.3	0	1.3	69
401430175	2012	10	28	17	V	6.4	0	1.55	47
401430175	2012	10	28	18	V	4.4	0	1.06	31
401430175	2012	10	28	19	V	5.4	0	0.57	27
401430175	2012	10	28	20	V	4.7	0	0.63	289
401430175	2012	10	28	21	V	2.7	0	0.86	293
401430175	2012	10	28	22	V	8.8	0	0.77	243
401430175	2012	10	28	23	V	4.0	0	0.67	289
401430175	2012	10	28	24	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	29	1	C	-999	0	0	0
401430175	2012	10	29	2	V	7.4	0	0.52	258
401430175	2012	10	29	3	V	34.3	0	0.55	227
401430175	2012	10	29	4	V	33.6	0	0.63	212
401430175	2012	10	29	5	V	5.9	0	0.55	259
401430175	2012	10	29	6	V	2.3	0	0.79	287
401430175	2012	10	29	7	C	-999	1	0	0
401430175	2012	10	29	8	V	39.2	1	0.65	221
401430175	2012	10	29	9	V	10.5	2	0.82	175
401430175	2012	10	29	10	V	2.7	1	1.79	129
401430175	2012	10	29	11	V	5.8	1	2.9	158
401430175	2012	10	29	12	V	5.0	1	3.25	155
401430175	2012	10	29	13	V	10.1	0	3.08	171
401430175	2012	10	29	14	V	9.6	1	2.54	185
401430175	2012	10	29	15	V	10.3	3	2.91	191
401430175	2012	10	29	16	V	9.4	2	2.84	179
401430175	2012	10	29	17	V	8.3	3	3.12	187
401430175	2012	10	29	18	V	4.1	0	2.32	151
401430175	2012	10	29	19	V	2.4	0	1.42	149
401430175	2012	10	29	20	C	-999	0	0	0
401430175	2012	10	29	21	C	-999	0	0	0
401430175	2012	10	29	22	V	28.3	4	0.86	230
401430175	2012	10	29	23	C	-999	3	0	0
401430175	2012	10	29	24	C	-999	0	0	0
401430175	2012	10	30	1	V	8.9	0	0.7	244
401430175	2012	10	30	2	V	4.1	0	0.6	274
401430175	2012	10	30	3	V	3.2	0	0.62	286
401430175	2012	10	30	4	C	-999	0	0	0
401430175	2012	10	30	5	V	4.9	1	0.57	280
401430175	2012	10	30	6	C	-999	1	0	0
401430175	2012	10	30	7	C	-999	1	0	0
401430175	2012	10	30	8	V	15.7	1	0.97	179
401430175	2012	10	30	9	V	8.5	3	1.81	178
401430175	2012	10	30	10	V	8.1	6	2.27	178
401430175	2012	10	30	11	V	9.9	2	3	194
401430175	2012	10	30	12	V	16.6	1	3.39	207
401430175	2012	10	30	13	V	17.8	1	3.42	203
401430175	2012	10	30	14	V	12.2	1	4.49	199
401430175	2012	10	30	15	V	10.0	1	4.48	195
401430175	2012	10	30	16	V	18.0	2	3.42	211
401430175	2012	10	30	17	V	11.9	1	2.33	197
401430175	2012	10	30	18	V	16.7	1	0.86	200
401430175	2012	10	30	19	C	-999	1	0	0
401430175	2012	10	30	20	C	-999	0	0	0
401430175	2012	10	30	21	V	18.8	1	0.77	200
401430175	2012	10	30	22	V	2.5	1	1.14	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	10	30	23	V	2.4	0	1.88	9
401430175	2012	10	30	24	V	1.9	1	1.91	1
401430175	2012	10	31	1	V	1.3	1	2.62	1
401430175	2012	10	31	2	V	1.6	0	2.93	357
401430175	2012	10	31	3	V	1.0	0	3.47	9
401430175	2012	10	31	4	V	1.5	0	2.71	1
401430175	2012	10	31	5	V	1.8	0	2.61	9
401430175	2012	10	31	6	V	1.5	0	2.1	5
401430175	2012	10	31	7	V	1.5	0	1.84	2
401430175	2012	10	31	8	V	2.8	0	4.15	14
401430175	2012	10	31	9	V	1.7	0	3.98	21
401430175	2012	10	31	10	V	1.8	0	3.12	21
401430175	2012	10	31	11	V	4.3	-999	2.88	33
401430175	2012	10	31	12	V	5.8	0	2.55	50
401430175	2012	10	31	13	V	6.0	1	2.08	10
401430175	2012	10	31	14	V	4.3	4	2.08	30
401430175	2012	10	31	15	V	2.9	3	2.33	24
401430175	2012	10	31	16	V	3.6	0	1.71	18
401430175	2012	10	31	17	V	4.6	0	1.37	30
401430175	2012	10	31	18	V	4.8	0	0.75	349
401430175	2012	10	31	19	V	3.5	1	0.7	325
401430175	2012	10	31	20	V	3.7	1	0.72	267
401430175	2012	10	31	21	V	5.7	2	0.57	259
401430175	2012	10	31	22	C	-999	2	0	0
401430175	2012	10	31	23	C	-999	2	0	0
401430175	2012	10	31	24	V	14.7	2	0.53	245
401430175	2012	11	1	1	C	-999	1	0	0
401430175	2012	11	1	2	V	6.6	1	0.51	5
401430175	2012	11	1	3	V	3.6	1	0.6	283
401430175	2012	11	1	4	V	11.1	1	0.55	248
401430175	2012	11	1	5	V	3.6	1	0.72	34
401430175	2012	11	1	6	C	-999	2	0	0
401430175	2012	11	1	7	V	5.5	2	0.55	260
401430175	2012	11	1	8	C	-999	4	0	0
401430175	2012	11	1	9	V	13.5	2	0.57	154
401430175	2012	11	1	10	V	5.0	1	1.77	150
401430175	2012	11	1	11	V	6.1	2	2.4	157
401430175	2012	11	1	12	V	8.5	1	2.84	179
401430175	2012	11	1	13	V	11.9	3	2.78	186
401430175	2012	11	1	14	V	6.3	1	1.98	162
401430175	2012	11	1	15	V	3.5	1	1.81	100
401430175	2012	11	1	16	V	3.7	1	2.01	83
401430175	2012	11	1	17	V	4.5	1	1.5	70
401430175	2012	11	1	18	V	5.8	1	0.52	351
401430175	2012	11	1	19	C	-999	1	0	0
401430175	2012	11	1	20	V	6.6	2	0.52	308

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	1	21	C	-999	1	0	0
401430175	2012	11	1	22	V	3.5	2	0.72	264
401430175	2012	11	1	23	V	4.2	1	0.63	309
401430175	2012	11	1	24	V	2.8	2	0.79	283
401430175	2012	11	2	1	V	2.1	1	0.79	264
401430175	2012	11	2	2	C	-999	1	0	0
401430175	2012	11	2	3	V	2.9	1	0.65	279
401430175	2012	11	2	4	C	-999	1	0	0
401430175	2012	11	2	5	V	4.4	0	0.6	283
401430175	2012	11	2	6	C	-999	1	0	0
401430175	2012	11	2	7	V	3.7	1	0.63	283
401430175	2012	11	2	8	V	5.2	1	0.6	278
401430175	2012	11	2	9	C	-999	1	0	0
401430175	2012	11	2	10	V	7.2	5	2.83	184
401430175	2012	11	2	11	V	8.8	4	3.69	191
401430175	2012	11	2	12	V	15.8	1	4.15	214
401430175	2012	11	2	13	V	17.8	1	5.63	214
401430175	2012	11	2	14	V	14.8	1	6.48	211
401430175	2012	11	2	15	V	15.7	1	7.16	208
401430175	2012	11	2	16	V	12.5	2	7.06	200
401430175	2012	11	2	17	V	15.6	1	6.48	203
401430175	2012	11	2	18	V	5.0	1	4.32	194
401430175	2012	11	2	19	V	9.4	2	1.79	216
401430175	2012	11	2	20	V	6.2	2	1.52	200
401430175	2012	11	2	21	V	16.0	1	1.16	207
401430175	2012	11	2	22	V	4.2	1	1.69	196
401430175	2012	11	2	23	V	12.8	1	2.88	221
401430175	2012	11	2	24	V	10.2	1	2.27	230
401430175	2012	11	3	1	V	1.3	1	1.64	273
401430175	2012	11	3	2	V	1.6	0	2.35	323
401430175	2012	11	3	3	V	1.0	0	2.16	337
401430175	2012	11	3	4	V	1.5	0	2.2	338
401430175	2012	11	3	5	V	1.8	0	2.76	349
401430175	2012	11	3	6	V	1.5	0	2.3	350
401430175	2012	11	3	7	V	1.6	0	1.62	328
401430175	2012	11	3	8	V	2.8	0	2.23	341
401430175	2012	11	3	9	V	1.7	0	4.2	4
401430175	2012	11	3	10	V	1.7	0	4.34	10
401430175	2012	11	3	11	V	2.9	0	4.19	15
401430175	2012	11	3	12	V	3.0	0	3.74	13
401430175	2012	11	3	13	V	5.5	0	3.98	15
401430175	2012	11	3	14	V	3.2	0	4.22	16
401430175	2012	11	3	15	V	2.5	0	3.74	6
401430175	2012	11	3	16	V	3.1	0	3.68	12
401430175	2012	11	3	17	V	4.5	0	4.03	23
401430175	2012	11	3	18	V	4.1	0	1.84	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	3	19	V	2.6	0	0.91	354
401430175	2012	11	3	20	V	3.0	0	0.97	356
401430175	2012	11	3	21	V	2.1	0	1.77	360
401430175	2012	11	3	22	V	2.3	0	1.54	3
401430175	2012	11	3	23	V	2.3	0	2.35	9
401430175	2012	11	3	24	V	2.0	0	1.72	20
401430175	2012	11	4	1	V	1.6	0	1.04	14
401430175	2012	11	4	2	V	2.3	0	0.84	18
401430175	2012	11	4	3	V	1.2	0	1.18	6
401430175	2012	11	4	4	V	1.8	0	1.16	12
401430175	2012	11	4	5	V	1.9	0	1.28	8
401430175	2012	11	4	6	V	1.5	0	1.5	13
401430175	2012	11	4	7	V	1.9	0	1.01	340
401430175	2012	11	4	8	V	2.7	0	1.89	7
401430175	2012	11	4	9	V	3.5	1	2.21	33
401430175	2012	11	4	10	V	3.4	1	1.62	59
401430175	2012	11	4	11	V	6.8	1	1.06	99
401430175	2012	11	4	12	V	11.2	2	1.35	202
401430175	2012	11	4	13	V	7.1	1	1.89	139
401430175	2012	11	4	14	V	3.8	1	2.16	107
401430175	2012	11	4	15	V	4.1	1	1.64	132
401430175	2012	11	4	16	V	4.8	1	1.48	135
401430175	2012	11	4	17	V	4.5	0	1.98	135
401430175	2012	11	4	18	V	7.3	0	1.03	157
401430175	2012	11	4	19	V	5.5	0	0.55	312
401430175	2012	11	4	20	C	-999	0	0	0
401430175	2012	11	4	21	V	3.3	1	0.72	288
401430175	2012	11	4	22	C	-999	1	0	0
401430175	2012	11	4	23	V	39.9	1	0.67	221
401430175	2012	11	4	24	V	4.8	1	0.58	262
401430175	2012	11	5	1	V	30.3	0	0.86	229
401430175	2012	11	5	2	V	6.3	1	0.52	266
401430175	2012	11	5	3	C	-999	1	0	0
401430175	2012	11	5	4	C	-999	1	0	0
401430175	2012	11	5	5	V	1.9	1	1.2	262
401430175	2012	11	5	6	V	4.1	1	1.2	239
401430175	2012	11	5	7	V	3.3	0	0.65	283
401430175	2012	11	5	8	V	2.7	1	1.67	337
401430175	2012	11	5	9	V	1.8	0	3.12	340
401430175	2012	11	5	10	V	1.7	0	3.68	345
401430175	2012	11	5	11	V	2.9	0	4.34	337
401430175	2012	11	5	12	V	2.9	0	4.99	325
401430175	2012	11	5	13	V	5.5	0	5.44	341
401430175	2012	11	5	14	V	3.2	0	4.83	344
401430175	2012	11	5	15	V	2.5	0	4.77	332
401430175	2012	11	5	16	V	3.0	0	4.95	340

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	5	17	V	4.3	0	5	344
401430175	2012	11	5	18	V	4.2	0	3.66	339
401430175	2012	11	5	19	V	2.3	0	2.95	343
401430175	2012	11	5	20	V	2.6	0	1.98	346
401430175	2012	11	5	21	V	2.1	0	1.91	338
401430175	2012	11	5	22	V	2.3	0	1.47	330
401430175	2012	11	5	23	V	2.4	0	2.57	18
401430175	2012	11	5	24	V	2.0	0	1.69	359
401430175	2012	11	6	1	V	1.3	0	1.6	357
401430175	2012	11	6	2	V	2.7	0	0.75	358
401430175	2012	11	6	3	V	1.7	0	0.84	257
401430175	2012	11	6	4	V	3.2	0	0.65	315
401430175	2012	11	6	5	V	32.2	0	0.84	228
401430175	2012	11	6	6	V	30.8	0	0.74	229
401430175	2012	11	6	7	V	5.7	0	0.77	246
401430175	2012	11	6	8	V	15.2	1	1.21	208
401430175	2012	11	6	9	V	6.1	1	1.03	149
401430175	2012	11	6	10	V	15.8	1	2.35	203
401430175	2012	11	6	11	V	16.4	0	2.25	213
401430175	2012	11	6	12	V	10.3	0	2.83	236
401430175	2012	11	6	13	V	9.0	0	3.34	244
401430175	2012	11	6	14	V	3.4	0	3.15	285
401430175	2012	11	6	15	V	2.7	0	2.78	295
401430175	2012	11	6	16	V	3.3	0	2.47	300
401430175	2012	11	6	17	V	4.5	0	2.27	314
401430175	2012	11	6	18	V	4.1	0	1.33	309
401430175	2012	11	6	19	V	2.3	0	1.74	330
401430175	2012	11	6	20	V	2.6	0	1.87	322
401430175	2012	11	6	21	V	2.1	0	1.77	319
401430175	2012	11	6	22	V	2.3	0	1.43	317
401430175	2012	11	6	23	V	16.6	0	0.86	236
401430175	2012	11	6	24	V	20.7	0	0.57	239
401430175	2012	11	7	1	C	-999	0	0	0
401430175	2012	11	7	2	V	2.9	0	0.72	11
401430175	2012	11	7	3	V	1.9	0	0.79	283
401430175	2012	11	7	4	V	18.1	0	0.77	236
401430175	2012	11	7	5	V	5.1	0	0.55	329
401430175	2012	11	7	6	V	2.3	0	0.82	273
401430175	2012	11	7	7	V	1.9	0	1.01	257
401430175	2012	11	7	8	V	20.6	1	0.7	197
401430175	2012	11	7	9	V	3.5	0	1.35	30
401430175	2012	11	7	10	V	3.3	0	2.1	30
401430175	2012	11	7	11	V	3.2	0	2.69	14
401430175	2012	11	7	12	V	3.1	0	3.4	24
401430175	2012	11	7	13	V	5.7	0	3.08	20
401430175	2012	11	7	14	V	4.8	0	2.45	39

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	7	15	V	3.2	0	2.28	62
401430175	2012	11	7	16	V	4.0	0	2.3	32
401430175	2012	11	7	17	V	4.4	0	1.54	75
401430175	2012	11	7	18	V	17.1	0	0.74	238
401430175	2012	11	7	19	V	4.0	1	0.7	80
401430175	2012	11	7	20	V	23.1	1	0.53	192
401430175	2012	11	7	21	C	-999	0	0	0
401430175	2012	11	7	22	C	-999	0	0	0
401430175	2012	11	7	23	V	4.0	0	0.67	287
401430175	2012	11	7	24	C	-999	1	0	0
401430175	2012	11	8	1	V	17.1	1	0.55	242
401430175	2012	11	8	2	V	2.8	0	0.75	256
401430175	2012	11	8	3	V	1.9	1	0.82	255
401430175	2012	11	8	4	V	32.6	1	1.06	221
401430175	2012	11	8	5	V	6.4	1	1.77	179
401430175	2012	11	8	6	V	8.4	1	1.96	168
401430175	2012	11	8	7	V	6.9	1	3.08	169
401430175	2012	11	8	8	V	7.6	1	4.42	168
401430175	2012	11	8	9	V	6.7	0	5.58	169
401430175	2012	11	8	10	V	5.5	0	6.23	166
401430175	2012	11	8	11	V	7.8	1	7.26	168
401430175	2012	11	8	12	V	7.1	2	7.79	166
401430175	2012	11	8	13	V	9.3	1	7.45	165
401430175	2012	11	8	14	V	7.6	1	7.15	167
401430175	2012	11	8	15	V	7.7	2	7.84	170
401430175	2012	11	8	16	V	9.0	2	7.83	173
401430175	2012	11	8	17	V	13.9	1	7.6	171
401430175	2012	11	8	18	V	11.7	2	6.69	169
401430175	2012	11	8	19	V	7.4	2	5.27	167
401430175	2012	11	8	20	V	5.4	2	4.51	162
401430175	2012	11	8	21	V	7.0	2	5.07	167
401430175	2012	11	8	22	V	7.3	2	5.22	167
401430175	2012	11	8	23	V	5.3	2	4.32	163
401430175	2012	11	8	24	V	5.8	2	4.14	166
401430175	2012	11	9	1	V	5.8	2	4.27	168
401430175	2012	11	9	2	V	5.3	2	3.51	165
401430175	2012	11	9	3	V	5.5	2	3.54	167
401430175	2012	11	9	4	V	7.2	1	3.37	171
401430175	2012	11	9	5	V	7.5	1	3.2	171
401430175	2012	11	9	6	V	6.6	1	3	168
401430175	2012	11	9	7	V	5.2	1	3.01	165
401430175	2012	11	9	8	V	7.7	1	3.25	166
401430175	2012	11	9	9	V	5.5	1	5.7	183
401430175	2012	11	9	10	V	5.1	1	7.49	186
401430175	2012	11	9	11	V	7.4	1	8.08	191
401430175	2012	11	9	12	V	7.1	1	8.35	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	9	13	V	9.2	1	8.3	181
401430175	2012	11	9	14	V	7.5	1	8.33	191
401430175	2012	11	9	15	V	5.7	1	8.16	184
401430175	2012	11	9	16	V	6.4	1	8.64	183
401430175	2012	11	9	17	V	7.1	1	7.48	186
401430175	2012	11	9	18	V	9.9	1	6.23	178
401430175	2012	11	9	19	V	8.3	1	6.13	177
401430175	2012	11	9	20	V	5.5	1	4.63	162
401430175	2012	11	9	21	V	7.6	1	4.68	171
401430175	2012	11	9	22	V	8.3	1	5.24	172
401430175	2012	11	9	23	V	8.1	1	5.11	170
401430175	2012	11	9	24	V	8.0	1	5.63	175
401430175	2012	11	10	1	V	7.6	1	7.04	183
401430175	2012	11	10	2	V	6.5	0	6.21	183
401430175	2012	11	10	3	V	5.6	0	5.92	182
401430175	2012	11	10	4	V	4.2	1	5.48	186
401430175	2012	11	10	5	V	6.5	0	5.46	180
401430175	2012	11	10	6	V	7.4	0	5.55	175
401430175	2012	11	10	7	V	8.1	0	5.89	174
401430175	2012	11	10	8	V	9.9	0	6.19	176
401430175	2012	11	10	9	V	5.6	0	7.08	180
401430175	2012	11	10	10	V	4.5	0	8.44	185
401430175	2012	11	10	11	V	5.8	0	9.78	188
401430175	2012	11	10	12	V	5.7	0	9.73	184
401430175	2012	11	10	13	V	8.2	0	9.83	185
401430175	2012	11	10	14	V	6.1	0	10.48	183
401430175	2012	11	10	15	V	5.4	0	10.88	182
401430175	2012	11	10	16	V	8.2	0	10	175
401430175	2012	11	10	17	V	14.0	0	8.64	174
401430175	2012	11	10	18	V	13.6	0	7.74	172
401430175	2012	11	10	19	V	9.2	1	6.28	169
401430175	2012	11	10	20	V	10.2	1	6.6	169
401430175	2012	11	10	21	V	9.8	1	6.69	169
401430175	2012	11	10	22	V	11.2	1	6.79	171
401430175	2012	11	10	23	V	11.8	1	8.2	175
401430175	2012	11	10	24	V	11.5	1	9.13	174
401430175	2012	11	11	1	V	10.9	1	8.78	174
401430175	2012	11	11	2	V	9.1	1	8.66	181
401430175	2012	11	11	3	V	10.8	1	8.25	192
401430175	2012	11	11	4	V	9.5	0	7.4	178
401430175	2012	11	11	5	V	11.0	1	7.3	170
401430175	2012	11	11	6	V	11.1	1	7.52	172
401430175	2012	11	11	7	V	1.9	0	6.11	280
401430175	2012	11	11	8	V	2.8	0	3.12	344
401430175	2012	11	11	9	V	2.4	0	1.25	333
401430175	2012	11	11	10	V	2.4	0	1.64	334

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	11	11	V	4.5	0	1.35	344
401430175	2012	11	11	12	V	3.3	0	1.76	292
401430175	2012	11	11	13	V	5.4	0	4.15	326
401430175	2012	11	11	14	V	3.1	0	3.9	333
401430175	2012	11	11	15	V	2.4	0	3.95	334
401430175	2012	11	11	16	V	3.0	0	3.73	333
401430175	2012	11	11	17	V	4.4	0	3.71	332
401430175	2012	11	11	18	V	4.1	0	3.46	333
401430175	2012	11	11	19	V	2.3	0	3.44	334
401430175	2012	11	11	20	V	2.6	0	3.34	336
401430175	2012	11	11	21	V	2.1	0	1.88	341
401430175	2012	11	11	22	V	2.3	0	1.37	315
401430175	2012	11	11	23	V	2.4	0	2.03	328
401430175	2012	11	11	24	V	2.0	0	1.47	325
401430175	2012	11	12	1	V	1.4	0	1.25	323
401430175	2012	11	12	2	V	2.0	0	0.94	329
401430175	2012	11	12	3	V	1.9	0	0.79	278
401430175	2012	11	12	4	V	2.0	0	0.96	257
401430175	2012	11	12	5	V	2.5	0	0.82	261
401430175	2012	11	12	6	C	-999	0	0	0
401430175	2012	11	12	7	V	38.3	0	0.53	215
401430175	2012	11	12	8	V	34.4	0	0.72	214
401430175	2012	11	12	9	V	18.4	0	1.14	224
401430175	2012	11	12	10	V	15.2	0	1.71	213
401430175	2012	11	12	11	V	16.0	0	2.56	224
401430175	2012	11	12	12	V	14.3	0	2.89	226
401430175	2012	11	12	13	V	16.2	0	2.95	227
401430175	2012	11	12	14	V	3.6	0	2.55	270
401430175	2012	11	12	15	V	2.7	0	2.9	288
401430175	2012	11	12	16	V	3.5	0	2.38	262
401430175	2012	11	12	17	V	4.4	0	1.91	262
401430175	2012	11	12	18	V	4.5	0	0.86	265
401430175	2012	11	12	19	V	3.4	0	0.77	255
401430175	2012	11	12	20	C	-999	0	0	0
401430175	2012	11	12	21	V	24.7	1	0.52	237
401430175	2012	11	12	22	V	5.4	0	0.74	249
401430175	2012	11	12	23	V	18.2	0	0.79	236
401430175	2012	11	12	24	V	39.2	0	0.52	218
401430175	2012	11	13	1	C	-999	0	0	0
401430175	2012	11	13	2	V	20.9	0	0.55	239
401430175	2012	11	13	3	V	31.1	0	0.65	210
401430175	2012	11	13	4	V	38.3	0	0.57	224
401430175	2012	11	13	5	V	3.2	0	0.69	296
401430175	2012	11	13	6	V	20.0	1	0.62	238
401430175	2012	11	13	7	V	5.8	1	0.77	246
401430175	2012	11	13	8	V	39.7	2	0.67	222

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	13	9	V	9.9	1	0.57	213
401430175	2012	11	13	10	V	12.0	2	1.03	180
401430175	2012	11	13	11	V	6.3	1	1.28	152
401430175	2012	11	13	12	V	8.6	0	3.37	182
401430175	2012	11	13	13	V	12.1	0	3.18	187
401430175	2012	11	13	14	V	7.9	0	3.64	172
401430175	2012	11	13	15	V	6.0	0	3.64	161
401430175	2012	11	13	16	V	6.6	0	3.42	159
401430175	2012	11	13	17	V	6.8	0	3.2	160
401430175	2012	11	13	18	V	4.0	0	2.18	145
401430175	2012	11	13	19	V	17.3	0	0.77	166
401430175	2012	11	13	20	V	34.2	0	0.77	228
401430175	2012	11	13	21	C	-999	0	0	0
401430175	2012	11	13	22	C	-999	0	0	0
401430175	2012	11	13	23	C	-999	0	0	0
401430175	2012	11	13	24	C	-999	0	0	0
401430175	2012	11	14	1	V	16.8	0	0.63	240
401430175	2012	11	14	2	V	6.5	0	0.52	275
401430175	2012	11	14	3	C	-999	0	0	0
401430175	2012	11	14	4	V	12.0	0	0.55	247
401430175	2012	11	14	5	V	3.7	0	0.65	283
401430175	2012	11	14	6	V	4.9	0	0.55	268
401430175	2012	11	14	7	C	-999	1	0	0
401430175	2012	11	14	8	C	-999	2	0	0
401430175	2012	11	14	9	C	-999	1	0	0
401430175	2012	11	14	10	V	6.7	1	2.4	167
401430175	2012	11	14	11	V	8.6	0	3.69	185
401430175	2012	11	14	12	V	9.4	0	3.69	189
401430175	2012	11	14	13	V	11.2	0	4.22	185
401430175	2012	11	14	14	V	8.1	0	4.17	172
401430175	2012	11	14	15	V	9.4	1	3.93	190
401430175	2012	11	14	16	V	9.4	0	3.64	177
401430175	2012	11	14	17	V	7.2	-999	3.22	161
401430175	2012	11	14	18	V	6.8	-999	2.38	164
401430175	2012	11	14	19	V	15.0	0	1.03	179
401430175	2012	11	14	20	V	35.2	0	0.63	207
401430175	2012	11	14	21	V	13.6	0	1.4	176
401430175	2012	11	14	22	V	7.8	0	1.38	181
401430175	2012	11	14	23	V	5.4	0	0.58	261
401430175	2012	11	14	24	V	9.2	0	0.63	247
401430175	2012	11	15	1	V	10.8	0	0.75	241
401430175	2012	11	15	2	V	4.8	0	0.6	258
401430175	2012	11	15	3	V	3.3	0	0.62	285
401430175	2012	11	15	4	V	18.1	0	0.53	242
401430175	2012	11	15	5	V	27.7	0	0.57	234
401430175	2012	11	15	6	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	15	7	V	10.7	0	0.58	247
401430175	2012	11	15	8	V	35.7	1	0.7	227
401430175	2012	11	15	9	V	14.3	1	0.89	193
401430175	2012	11	15	10	V	6.8	1	3	178
401430175	2012	11	15	11	V	9.6	1	4.22	193
401430175	2012	11	15	12	V	8.4	1	4.09	186
401430175	2012	11	15	13	V	12.8	1	2.84	190
401430175	2012	11	15	14	V	4.6	2	2.5	145
401430175	2012	11	15	15	V	2.9	2	2.84	136
401430175	2012	11	15	16	V	3.3	2	2.71	133
401430175	2012	11	15	17	V	4.3	2	3.05	124
401430175	2012	11	15	18	V	4.1	2	1.52	111
401430175	2012	11	15	19	C	-999	2	0	0
401430175	2012	11	15	20	V	4.0	1	0.69	328
401430175	2012	11	15	21	V	3.5	1	0.69	265
401430175	2012	11	15	22	V	4.4	1	0.63	335
401430175	2012	11	15	23	V	2.9	1	0.92	273
401430175	2012	11	15	24	V	3.8	1	0.63	310
401430175	2012	11	16	1	V	7.4	0	0.58	251
401430175	2012	11	16	2	V	5.8	1	0.53	283
401430175	2012	11	16	3	V	4.0	0	0.57	306
401430175	2012	11	16	4	V	5.8	0	0.53	287
401430175	2012	11	16	5	V	5.3	0	0.55	297
401430175	2012	11	16	6	C	-999	0	0	0
401430175	2012	11	16	7	V	10.3	0	0.6	247
401430175	2012	11	16	8	V	5.4	1	0.63	256
401430175	2012	11	16	9	C	-999	1	0	0
401430175	2012	11	16	10	V	4.0	1	1.86	50
401430175	2012	11	16	11	V	4.1	1	1.67	62
401430175	2012	11	16	12	V	4.8	1	1.47	49
401430175	2012	11	16	13	V	7.7	1	1.3	106
401430175	2012	11	16	14	V	5.2	3	1.94	146
401430175	2012	11	16	15	V	3.5	1	2.35	133
401430175	2012	11	16	16	V	3.7	1	2.2	129
401430175	2012	11	16	17	V	4.8	1	2.2	154
401430175	2012	11	16	18	V	19.2	1	0.99	205
401430175	2012	11	16	19	C	-999	0	0	0
401430175	2012	11	16	20	C	-999	1	0	0
401430175	2012	11	16	21	C	-999	1	0	0
401430175	2012	11	16	22	C	-999	1	0	0
401430175	2012	11	16	23	V	6.3	1	0.53	329
401430175	2012	11	16	24	V	2.8	1	0.8	274
401430175	2012	11	17	1	C	-999	1	0	0
401430175	2012	11	17	2	V	5.0	1	0.57	262
401430175	2012	11	17	3	V	5.9	1	0.53	259
401430175	2012	11	17	4	V	2.6	2	0.74	296

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	17	5	V	6.7	2	0.52	279
401430175	2012	11	17	6	V	37.8	1	0.57	214
401430175	2012	11	17	7	V	4.9	0	0.55	269
401430175	2012	11	17	8	C	-999	0	0	0
401430175	2012	11	17	9	V	7.5	0	0.8	152
401430175	2012	11	17	10	V	5.2	1	2.61	161
401430175	2012	11	17	11	V	8.4	1	4.65	171
401430175	2012	11	17	12	V	7.4	1	5.65	182
401430175	2012	11	17	13	V	9.9	1	4.46	168
401430175	2012	11	17	14	V	6.0	1	4.36	159
401430175	2012	11	17	15	V	6.4	1	4.63	163
401430175	2012	11	17	16	V	9.1	1	4.95	168
401430175	2012	11	17	17	V	9.2	1	4	168
401430175	2012	11	17	18	V	4.2	1	2.52	155
401430175	2012	11	17	19	V	2.5	1	1.94	156
401430175	2012	11	17	20	V	5.8	1	1.37	184
401430175	2012	11	17	21	V	34.4	1	0.75	214
401430175	2012	11	17	22	V	18.1	1	0.8	200
401430175	2012	11	17	23	C	-999	1	0	0
401430175	2012	11	17	24	V	19.0	1	0.55	241
401430175	2012	11	18	1	V	27.3	0	0.57	234
401430175	2012	11	18	2	V	19.3	0	0.79	201
401430175	2012	11	18	3	V	7.4	1	1.06	186
401430175	2012	11	18	4	V	15.5	1	1.28	175
401430175	2012	11	18	5	V	14.7	1	1.01	201
401430175	2012	11	18	6	V	4.1	2	1.79	208
401430175	2012	11	18	7	V	2.0	1	2.13	192
401430175	2012	11	18	8	V	3.5	1	2.33	184
401430175	2012	11	18	9	V	7.0	1	3.59	178
401430175	2012	11	18	10	V	6.1	1	3.74	169
401430175	2012	11	18	11	V	8.6	1	4.56	170
401430175	2012	11	18	12	V	7.9	1	5.68	177
401430175	2012	11	18	13	V	10.5	2	6.65	175
401430175	2012	11	18	14	V	7.9	2	7.74	177
401430175	2012	11	18	15	V	7.8	2	6.46	176
401430175	2012	11	18	16	V	9.1	2	6.48	175
401430175	2012	11	18	17	V	9.6	2	5.04	166
401430175	2012	11	18	18	V	5.5	1	4.42	158
401430175	2012	11	18	19	V	4.1	1	4.22	160
401430175	2012	11	18	20	V	6.6	1	4.09	167
401430175	2012	11	18	21	V	6.5	1	3.92	173
401430175	2012	11	18	22	V	7.6	1	3.32	174
401430175	2012	11	18	23	V	7.7	1	3.03	168
401430175	2012	11	18	24	V	6.3	1	3.76	177
401430175	2012	11	19	1	V	6.5	1	3.83	171
401430175	2012	11	19	2	V	8.2	1	2.79	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	19	3	V	6.9	0	2.81	167
401430175	2012	11	19	4	V	5.4	1	3.03	163
401430175	2012	11	19	5	V	3.1	1	3.39	157
401430175	2012	11	19	6	V	5.8	2	3.88	166
401430175	2012	11	19	7	V	6.7	2	4.43	171
401430175	2012	11	19	8	V	7.9	2	4.44	172
401430175	2012	11	19	9	V	7.4	3	4.32	171
401430175	2012	11	19	10	V	7.3	2	4.39	179
401430175	2012	11	19	11	V	9.3	2	4.8	193
401430175	2012	11	19	12	V	8.3	2	4.22	185
401430175	2012	11	19	13	V	10.9	1	4.76	187
401430175	2012	11	19	14	V	10.8	1	4.19	194
401430175	2012	11	19	15	V	9.2	1	4.15	190
401430175	2012	11	19	16	V	8.8	1	4.12	185
401430175	2012	11	19	17	V	8.8	1	3.3	178
401430175	2012	11	19	18	V	4.6	1	2.59	185
401430175	2012	11	19	19	V	36.8	1	0.87	225
401430175	2012	11	19	20	V	15.2	1	0.63	162
401430175	2012	11	19	21	V	3.8	1	0.67	355
401430175	2012	11	19	22	V	20.7	1	0.72	174
401430175	2012	11	19	23	V	21.1	1	0.67	196
401430175	2012	11	19	24	V	19.2	1	0.62	187
401430175	2012	11	20	1	V	38.6	0	0.57	215
401430175	2012	11	20	2	V	38.1	0	0.52	224
401430175	2012	11	20	3	V	3.2	0	0.62	290
401430175	2012	11	20	4	V	25.9	1	0.69	233
401430175	2012	11	20	5	V	38.0	1	0.65	225
401430175	2012	11	20	6	V	5.0	1	0.55	272
401430175	2012	11	20	7	V	22.4	1	0.69	235
401430175	2012	11	20	8	C	-999	1	0	0
401430175	2012	11	20	9	V	10.8	1	0.7	175
401430175	2012	11	20	10	V	8.1	1	0.92	110
401430175	2012	11	20	11	V	3.8	-999	2.3	55
401430175	2012	11	20	12	V	4.1	-999	3	39
401430175	2012	11	20	13	V	5.8	0	2.71	19
401430175	2012	11	20	14	V	4.1	0	2.57	37
401430175	2012	11	20	15	V	2.9	0	2.64	27
401430175	2012	11	20	16	V	3.5	0	2.66	32
401430175	2012	11	20	17	V	4.3	0	2.11	26
401430175	2012	11	20	18	V	4.1	0	1.3	14
401430175	2012	11	20	19	V	3.2	0	0.77	348
401430175	2012	11	20	20	V	11.6	0	0.63	245
401430175	2012	11	20	21	C	-999	0	0	0
401430175	2012	11	20	22	C	-999	0	0	0
401430175	2012	11	20	23	V	5.3	0	0.62	257
401430175	2012	11	20	24	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	21	1	C	-999	0	0	0
401430175	2012	11	21	2	V	6.1	0	0.62	252
401430175	2012	11	21	3	C	-999	0	0	0
401430175	2012	11	21	4	V	5.5	0	0.53	306
401430175	2012	11	21	5	C	-999	1	0	0
401430175	2012	11	21	6	V	9.4	1	0.52	253
401430175	2012	11	21	7	C	-999	1	0	0
401430175	2012	11	21	8	C	-999	1	0	0
401430175	2012	11	21	9	V	11.6	1	0.84	238
401430175	2012	11	21	10	V	10.4	2	0.87	163
401430175	2012	11	21	11	V	9.3	1	1.28	161
401430175	2012	11	21	12	V	8.0	0	3.59	172
401430175	2012	11	21	13	V	10.6	0	4.88	175
401430175	2012	11	21	14	V	8.6	0	5.38	189
401430175	2012	11	21	15	V	9.4	0	5.58	194
401430175	2012	11	21	16	V	10.4	0	5.04	194
401430175	2012	11	21	17	V	6.7	0	4.77	196
401430175	2012	11	21	18	V	4.8	0	3.08	190
401430175	2012	11	21	19	V	2.6	0	2.4	194
401430175	2012	11	21	20	V	3.3	0	2.38	199
401430175	2012	11	21	21	V	8.0	0	2.66	172
401430175	2012	11	21	22	V	7.3	0	4.37	173
401430175	2012	11	21	23	V	6.9	0	3.76	172
401430175	2012	11	21	24	V	7.7	0	2.67	171
401430175	2012	11	22	1	V	2.0	1	2.39	160
401430175	2012	11	22	2	V	6.5	0	4.19	171
401430175	2012	11	22	3	V	5.4	2	4.32	176
401430175	2012	11	22	4	V	5.1	2	3.37	179
401430175	2012	11	22	5	V	6.1	2	2.59	167
401430175	2012	11	22	6	V	1.7	1	1.74	155
401430175	2012	11	22	7	V	1.6	1	1.67	146
401430175	2012	11	22	8	V	7.6	1	3.07	167
401430175	2012	11	22	9	V	7.6	1	3.32	171
401430175	2012	11	22	10	V	8.4	1	3.52	173
401430175	2012	11	22	11	V	7.6	0	4.87	183
401430175	2012	11	22	12	V	8.1	1	6.97	192
401430175	2012	11	22	13	V	11.4	1	8.71	195
401430175	2012	11	22	14	V	8.7	1	8.86	194
401430175	2012	11	22	15	V	7.5	1	8.25	192
401430175	2012	11	22	16	V	7.2	0	7.98	190
401430175	2012	11	22	17	V	12.8	0	6.57	193
401430175	2012	11	22	18	V	5.5	0	4.78	196
401430175	2012	11	22	19	V	2.8	0	2.81	194
401430175	2012	11	22	20	V	6.3	0	1.43	199
401430175	2012	11	22	21	V	6.4	0	1.18	190
401430175	2012	11	22	22	V	2.4	0	3.66	336

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	22	23	V	2.7	0	6.01	8
401430175	2012	11	22	24	V	2.3	0	5.55	4
401430175	2012	11	23	1	V	1.6	0	5.44	9
401430175	2012	11	23	2	V	1.9	0	7.32	22
401430175	2012	11	23	3	V	1.3	0	6.43	18
401430175	2012	11	23	4	V	1.6	0	3.34	5
401430175	2012	11	23	5	V	1.8	0	2.84	1
401430175	2012	11	23	6	V	1.5	0	2.42	343
401430175	2012	11	23	7	V	1.6	0	3.64	352
401430175	2012	11	23	8	V	2.7	0	3.66	352
401430175	2012	11	23	9	V	1.6	0	5.31	358
401430175	2012	11	23	10	V	1.6	0	4.95	358
401430175	2012	11	23	11	V	2.8	0	5.58	9
401430175	2012	11	23	12	V	2.9	0	5.38	350
401430175	2012	11	23	13	V	5.4	0	5.5	350
401430175	2012	11	23	14	V	3.2	0	4.61	342
401430175	2012	11	23	15	V	2.4	0	4.56	344
401430175	2012	11	23	16	V	3.1	0	4	332
401430175	2012	11	23	17	V	4.3	0	3.35	337
401430175	2012	11	23	18	V	4.0	0	2.42	341
401430175	2012	11	23	19	V	2.3	0	1.52	334
401430175	2012	11	23	20	V	2.7	0	1.31	327
401430175	2012	11	23	21	V	2.2	0	1.23	319
401430175	2012	11	23	22	V	2.3	0	1.91	358
401430175	2012	11	23	23	V	2.4	0	1.98	3
401430175	2012	11	23	24	V	1.9	0	1.81	11
401430175	2012	11	24	1	V	1.3	0	1.96	9
401430175	2012	11	24	2	V	2.3	0	0.84	1
401430175	2012	11	24	3	V	1.9	0	0.8	286
401430175	2012	11	24	4	V	17.7	0	0.62	240
401430175	2012	11	24	5	V	3.2	0	0.69	264
401430175	2012	11	24	6	V	38.9	0	0.53	218
401430175	2012	11	24	7	V	5.9	0	0.53	271
401430175	2012	11	24	8	V	24.9	0	1.09	229
401430175	2012	11	24	9	V	7.8	1	0.63	160
401430175	2012	11	24	10	V	12.2	0	1.08	178
401430175	2012	11	24	11	V	8.1	0	3.07	166
401430175	2012	11	24	12	V	7.5	1	3.25	165
401430175	2012	11	24	13	V	11.0	0	3.78	175
401430175	2012	11	24	14	V	8.7	0	4.17	172
401430175	2012	11	24	15	V	7.5	1	4.42	166
401430175	2012	11	24	16	V	7.4	0	5.33	182
401430175	2012	11	24	17	V	7.2	0	5.34	186
401430175	2012	11	24	18	V	8.2	0	3.74	173
401430175	2012	11	24	19	V	5.6	0	3.34	180
401430175	2012	11	24	20	V	3.2	0	3.49	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	24	21	V	2.7	0	3.18	190
401430175	2012	11	24	22	V	2.6	0	2.69	187
401430175	2012	11	24	23	V	3.0	0	3.05	189
401430175	2012	11	24	24	V	2.7	0	3.34	189
401430175	2012	11	25	1	V	2.4	0	3.35	187
401430175	2012	11	25	2	V	3.1	0	1.99	183
401430175	2012	11	25	3	V	17.7	0	1.14	171
401430175	2012	11	25	4	V	17.1	0	0.96	167
401430175	2012	11	25	5	V	6.3	0	0.51	127
401430175	2012	11	25	6	V	9.0	1	1.14	196
401430175	2012	11	25	7	V	13.0	1	0.8	188
401430175	2012	11	25	8	V	10.9	2	1.25	180
401430175	2012	11	25	9	V	9.1	2	1.43	178
401430175	2012	11	25	10	V	6.8	2	3.18	183
401430175	2012	11	25	11	V	7.8	1	4.34	183
401430175	2012	11	25	12	V	8.5	1	3.61	184
401430175	2012	11	25	13	V	12.5	1	3.54	192
401430175	2012	11	25	14	V	9.0	1	3.18	179
401430175	2012	11	25	15	V	6.2	1	3.12	161
401430175	2012	11	25	16	V	9.8	1	3.27	169
401430175	2012	11	25	17	V	8.0	1	2.28	181
401430175	2012	11	25	18	V	4.5	1	0.87	256
401430175	2012	11	25	19	V	4.0	1	0.67	352
401430175	2012	11	25	20	V	4.5	1	0.65	348
401430175	2012	11	25	21	C	-999	1	0	0
401430175	2012	11	25	22	V	4.7	1	0.62	344
401430175	2012	11	25	23	V	2.4	0	1.59	22
401430175	2012	11	25	24	V	1.9	1	2.22	14
401430175	2012	11	26	1	V	1.2	1	2.35	22
401430175	2012	11	26	2	V	1.6	1	2.59	16
401430175	2012	11	26	3	V	1.0	0	2.76	17
401430175	2012	11	26	4	V	1.6	0	3.12	17
401430175	2012	11	26	5	V	1.8	0	3.47	13
401430175	2012	11	26	6	V	1.5	0	3.76	12
401430175	2012	11	26	7	V	1.7	0	3.88	10
401430175	2012	11	26	8	V	2.8	0	4.17	10
401430175	2012	11	26	9	V	1.8	0	4.34	6
401430175	2012	11	26	10	V	1.6	0	5.02	9
401430175	2012	11	26	11	V	2.8	0	5.29	9
401430175	2012	11	26	12	V	2.8	0	5.29	8
401430175	2012	11	26	13	V	5.4	0	5.82	3
401430175	2012	11	26	14	V	3.0	0	6.62	10
401430175	2012	11	26	15	V	2.3	1	6.43	10
401430175	2012	11	26	16	V	2.9	1	8.06	22
401430175	2012	11	26	17	V	4.6	0	7.06	21
401430175	2012	11	26	18	V	4.4	0	7.26	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	26	19	V	2.6	0	6.11	21
401430175	2012	11	26	20	V	2.9	0	6.74	20
401430175	2012	11	26	21	V	2.4	0	6.02	21
401430175	2012	11	26	22	V	2.5	0	5.22	15
401430175	2012	11	26	23	V	2.7	0	6.11	17
401430175	2012	11	26	24	V	2.2	0	5.62	15
401430175	2012	11	27	1	V	1.4	0	4.63	10
401430175	2012	11	27	2	V	1.7	0	4.39	11
401430175	2012	11	27	3	V	1.0	0	3.52	10
401430175	2012	11	27	4	V	1.6	0	3.34	18
401430175	2012	11	27	5	V	1.8	0	3.47	11
401430175	2012	11	27	6	V	1.5	0	3.05	12
401430175	2012	11	27	7	V	1.5	0	2.11	357
401430175	2012	11	27	8	V	2.7	0	2.73	17
401430175	2012	11	27	9	V	1.8	0	2.83	20
401430175	2012	11	27	10	V	4.8	0	2.61	41
401430175	2012	11	27	11	V	5.1	0	1.71	43
401430175	2012	11	27	12	V	3.9	0	1.69	72
401430175	2012	11	27	13	V	7.5	0	1.47	136
401430175	2012	11	27	14	V	6.8	0	1.26	154
401430175	2012	11	27	15	V	4.9	0	1.33	144
401430175	2012	11	27	16	V	11.4	0	2.03	191
401430175	2012	11	27	17	V	5.4	0	2.23	186
401430175	2012	11	27	18	V	21.5	0	1.01	207
401430175	2012	11	27	19	C	-999	0	0	0
401430175	2012	11	27	20	C	-999	0	0	0
401430175	2012	11	27	21	C	-999	0	0	0
401430175	2012	11	27	22	V	7.2	1	0.52	283
401430175	2012	11	27	23	V	6.6	1	0.53	285
401430175	2012	11	27	24	V	6.9	1	0.53	259
401430175	2012	11	28	1	V	10.9	1	0.53	249
401430175	2012	11	28	2	V	4.2	1	0.6	278
401430175	2012	11	28	3	C	-999	1	0	0
401430175	2012	11	28	4	V	30.2	1	0.55	232
401430175	2012	11	28	5	V	37.0	1	0.67	225
401430175	2012	11	28	6	C	-999	1	0	0
401430175	2012	11	28	7	C	-999	1	0	0
401430175	2012	11	28	8	C	-999	1	0	0
401430175	2012	11	28	9	V	14.9	2	0.87	210
401430175	2012	11	28	10	V	6.5	1	1.38	156
401430175	2012	11	28	11	V	4.3	0	2.42	147
401430175	2012	11	28	12	V	5.1	0	3.49	156
401430175	2012	11	28	13	V	10.0	0	4.25	166
401430175	2012	11	28	14	V	8.5	0	4.44	170
401430175	2012	11	28	15	V	7.9	-999	4.53	168
401430175	2012	11	28	16	V	9.6	0	4.39	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	28	17	V	8.6	0	3.83	167
401430175	2012	11	28	18	V	5.2	0	3	159
401430175	2012	11	28	19	V	2.6	0	2.42	158
401430175	2012	11	28	20	V	8.3	0	3.2	172
401430175	2012	11	28	21	V	6.7	1	3.54	176
401430175	2012	11	28	22	V	5.5	2	3.39	180
401430175	2012	11	28	23	V	7.3	2	3.1	168
401430175	2012	11	28	24	V	2.8	1	2.32	160
401430175	2012	11	29	1	V	15.3	1	1.2	176
401430175	2012	11	29	2	V	11.5	0	0.89	190
401430175	2012	11	29	3	V	21.7	0	0.89	206
401430175	2012	11	29	4	V	3.9	1	2.38	180
401430175	2012	11	29	5	V	6.7	1	2.88	168
401430175	2012	11	29	6	V	7.6	1	2.59	172
401430175	2012	11	29	7	V	9.2	1	1.64	177
401430175	2012	11	29	8	V	5.7	0	2.59	165
401430175	2012	11	29	9	V	7.1	1	4.6	177
401430175	2012	11	29	10	V	5.2	1	7.09	187
401430175	2012	11	29	11	V	6.4	1	7.52	188
401430175	2012	11	29	12	V	6.7	1	7.04	187
401430175	2012	11	29	13	V	9.7	1	7.6	190
401430175	2012	11	29	14	V	8.2	1	8.2	193
401430175	2012	11	29	15	V	6.9	1	7.6	191
401430175	2012	11	29	16	V	6.5	1	7.3	183
401430175	2012	11	29	17	V	10.9	0	6.26	177
401430175	2012	11	29	18	V	9.7	1	5.12	170
401430175	2012	11	29	19	V	6.0	1	4.12	166
401430175	2012	11	29	20	V	4.5	1	2.15	182
401430175	2012	11	29	21	V	8.4	1	1.31	200
401430175	2012	11	29	22	V	13.4	1	1.62	173
401430175	2012	11	29	23	V	9.4	1	1.77	167
401430175	2012	11	29	24	V	2.5	1	2.33	159
401430175	2012	11	30	1	V	2.1	2	2.27	160
401430175	2012	11	30	2	V	2.0	3	1.79	157
401430175	2012	11	30	3	V	7.6	3	1.69	166
401430175	2012	11	30	4	V	8.8	2	2.04	169
401430175	2012	11	30	5	V	5.8	1	2.37	166
401430175	2012	11	30	6	V	3.6	1	1.87	162
401430175	2012	11	30	7	V	18.1	1	1.18	171
401430175	2012	11	30	8	V	6.2	1	2.33	178
401430175	2012	11	30	9	V	8.1	1	3.3	172
401430175	2012	11	30	10	V	7.2	1	3.59	172
401430175	2012	11	30	11	V	6.9	1	6.09	189
401430175	2012	11	30	12	V	7.6	0	5.65	191
401430175	2012	11	30	13	V	9.6	0	5.31	181
401430175	2012	11	30	14	V	10.9	0	4.71	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	11	30	15	V	10.4	0	4.65	174
401430175	2012	11	30	16	V	10.4	0	4.05	177
401430175	2012	11	30	17	V	10.4	0	3.22	170
401430175	2012	11	30	18	V	4.2	0	1.53	150
401430175	2012	11	30	19	V	5.1	0	2.73	165
401430175	2012	11	30	20	V	4.1	0	2.83	191
401430175	2012	11	30	21	V	7.3	0	3.69	173
401430175	2012	11	30	22	V	5.7	0	3.1	162
401430175	2012	11	30	23	V	8.1	0	3.27	175
401430175	2012	11	30	24	V	6.2	0	3.71	166
401430175	2012	12	1	1	V	5.7	0	3.39	163
401430175	2012	12	1	2	V	7.0	0	3.81	169
401430175	2012	12	1	3	V	6.2	1	4.09	167
401430175	2012	12	1	4	V	4.5	1	3.59	162
401430175	2012	12	1	5	V	5.8	0	4	165
401430175	2012	12	1	6	V	7.3	0	6.11	178
401430175	2012	12	1	7	V	8.1	0	6.65	177
401430175	2012	12	1	8	V	7.5	0	7.18	180
401430175	2012	12	1	9	V	5.2	0	7.72	182
401430175	2012	12	1	10	V	5.7	0	8.86	188
401430175	2012	12	1	11	V	6.4	0	9.81	191
401430175	2012	12	1	12	V	11.6	0	9.83	195
401430175	2012	12	1	13	V	13.0	0	9.36	196
401430175	2012	12	1	14	V	9.0	0	9.8	195
401430175	2012	12	1	15	V	6.5	0	8.96	192
401430175	2012	12	1	16	V	12.1	1	7.89	198
401430175	2012	12	1	17	V	5.6	1	6.18	194
401430175	2012	12	1	18	V	4.6	0	3.98	192
401430175	2012	12	1	19	V	3.4	0	3.76	193
401430175	2012	12	1	20	V	2.6	0	2.81	187
401430175	2012	12	1	21	V	5.4	0	1.33	188
401430175	2012	12	1	22	V	4.7	0	0.69	81
401430175	2012	12	1	23	V	5.7	0	0.8	46
401430175	2012	12	1	24	V	3.3	0	1.45	350
401430175	2012	12	2	1	V	3.7	0	0.79	334
401430175	2012	12	2	2	V	45.0	0	0.55	219
401430175	2012	12	2	3	V	11.8	0	1.47	212
401430175	2012	12	2	4	V	2.9	0	1.79	191
401430175	2012	12	2	5	V	20.2	0	0.89	203
401430175	2012	12	2	6	V	5.1	0	0.6	142
401430175	2012	12	2	7	V	3.6	0	0.69	265
401430175	2012	12	2	8	V	29.8	0	1.28	219
401430175	2012	12	2	9	V	14.4	0	1.6	203
401430175	2012	12	2	10	V	19.1	0	2.21	227
401430175	2012	12	2	11	V	17.1	1	3.76	215
401430175	2012	12	2	12	V	20.3	0	5.46	211

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	2	13	V	21.9	0	4.9	212
401430175	2012	12	2	14	V	18.8	0	4.07	211
401430175	2012	12	2	15	V	12.3	0	5.43	200
401430175	2012	12	2	16	V	10.6	1	6.01	195
401430175	2012	12	2	17	V	4.4	1	5.27	191
401430175	2012	12	2	18	V	8.0	0	3.24	178
401430175	2012	12	2	19	V	7.8	0	2.88	168
401430175	2012	12	2	20	V	7.7	0	3.56	172
401430175	2012	12	2	21	V	6.8	0	4.07	174
401430175	2012	12	2	22	V	6.8	0	4.2	168
401430175	2012	12	2	23	V	8.3	0	4.78	168
401430175	2012	12	2	24	V	8.0	0	5.16	176
401430175	2012	12	3	1	V	5.1	0	6.07	182
401430175	2012	12	3	2	V	3.9	0	6.55	188
401430175	2012	12	3	3	V	4.1	0	6.82	185
401430175	2012	12	3	4	V	5.4	0	7.4	183
401430175	2012	12	3	5	V	4.6	0	7.08	185
401430175	2012	12	3	6	V	5.0	0	7.5	185
401430175	2012	12	3	7	V	5.3	0	7.21	190
401430175	2012	12	3	8	V	5.0	0	6.94	187
401430175	2012	12	3	9	V	5.9	0	7.76	191
401430175	2012	12	3	10	V	6.1	0	8.5	189
401430175	2012	12	3	11	V	5.1	0	8.9	188
401430175	2012	12	3	12	V	9.5	0	9.53	192
401430175	2012	12	3	13	V	12.2	0	10.44	195
401430175	2012	12	3	14	V	7.3	0	9.8	192
401430175	2012	12	3	15	V	4.9	0	9.25	188
401430175	2012	12	3	16	V	7.2	0	8.27	191
401430175	2012	12	3	17	V	5.1	0	6.14	192
401430175	2012	12	3	18	V	5.6	0	4.99	186
401430175	2012	12	3	19	V	5.1	0	4.61	183
401430175	2012	12	3	20	V	8.1	0	2.9	172
401430175	2012	12	3	21	V	6.1	0	1.57	200
401430175	2012	12	3	22	V	2.7	0	1.99	264
401430175	2012	12	3	23	V	3.7	0	3.27	348
401430175	2012	12	3	24	V	3.2	0	4.1	7
401430175	2012	12	4	1	V	2.3	0	5.19	10
401430175	2012	12	4	2	V	2.4	0	5.26	8
401430175	2012	12	4	3	V	1.9	0	5.19	4
401430175	2012	12	4	4	V	1.9	0	6.18	9
401430175	2012	12	4	5	V	2.1	0	5.5	13
401430175	2012	12	4	6	V	2.0	0	5.09	13
401430175	2012	12	4	7	V	1.6	0	4.73	5
401430175	2012	12	4	8	V	2.4	0	4.61	8
401430175	2012	12	4	9	V	2.1	0	4.46	5
401430175	2012	12	4	10	V	3.1	0	4.71	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	4	11	V	3.0	0	4.39	25
401430175	2012	12	4	12	V	5.5	0	5.21	24
401430175	2012	12	4	13	V	6.3	0	5.22	12
401430175	2012	12	4	14	V	3.0	0	5.27	14
401430175	2012	12	4	15	V	2.0	0	5.05	14
401430175	2012	12	4	16	V	3.3	0	4.6	13
401430175	2012	12	4	17	V	3.4	0	3.73	18
401430175	2012	12	4	18	V	4.4	0	1.64	13
401430175	2012	12	4	19	V	3.5	1	0.89	333
401430175	2012	12	4	20	V	4.0	1	0.74	271
401430175	2012	12	4	21	C	-999	1	0	0
401430175	2012	12	4	22	V	5.1	0	0.65	288
401430175	2012	12	4	23	V	21.0	0	0.67	239
401430175	2012	12	4	24	V	9.5	0	0.6	250
401430175	2012	12	5	1	V	6.2	0	0.67	253
401430175	2012	12	5	2	C	-999	0	0	0
401430175	2012	12	5	3	V	27.7	0	0.75	233
401430175	2012	12	5	4	C	-999	0	0	0
401430175	2012	12	5	5	C	-999	0	0	0
401430175	2012	12	5	6	V	3.2	0	0.79	310
401430175	2012	12	5	7	V	3.7	0	0.69	265
401430175	2012	12	5	8	V	43.4	2	0.65	220
401430175	2012	12	5	9	V	7.4	1	0.62	166
401430175	2012	12	5	10	V	7.7	1	0.87	126
401430175	2012	12	5	11	V	5.5	0	1.98	148
401430175	2012	12	5	12	V	6.9	0	2.96	150
401430175	2012	12	5	13	V	6.5	0	4.8	146
401430175	2012	12	5	14	V	3.0	0	5.33	138
401430175	2012	12	5	15	V	2.1	0	3.97	141
401430175	2012	12	5	16	V	3.3	0	3.76	137
401430175	2012	12	5	17	V	3.3	0	3.71	137
401430175	2012	12	5	18	V	4.6	0	2.49	158
401430175	2012	12	5	19	V	2.9	1	2.37	148
401430175	2012	12	5	20	V	2.4	1	2.57	148
401430175	2012	12	5	21	V	3.5	1	1.72	159
401430175	2012	12	5	22	V	8.1	1	2.88	170
401430175	2012	12	5	23	V	8.0	1	3.23	167
401430175	2012	12	5	24	V	3.5	0	2.54	193
401430175	2012	12	6	1	V	3.6	0	1.89	183
401430175	2012	12	6	2	V	4.6	0	1.69	195
401430175	2012	12	6	3	V	3.2	0	1.96	196
401430175	2012	12	6	4	V	2.4	0	1.99	187
401430175	2012	12	6	5	V	8.5	0	1.94	176
401430175	2012	12	6	6	V	3.4	0	2.06	182
401430175	2012	12	6	7	V	10.3	0	1.43	210
401430175	2012	12	6	8	V	3.1	0	2.27	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	6	9	V	6.0	0	3.83	165
401430175	2012	12	6	10	V	8.3	0	4.32	167
401430175	2012	12	6	11	V	7.0	1	4.58	164
401430175	2012	12	6	12	V	10.2	1	5.96	166
401430175	2012	12	6	13	V	10.9	1	5.85	166
401430175	2012	12	6	14	V	5.7	1	6.31	161
401430175	2012	12	6	15	V	2.5	1	5.9	153
401430175	2012	12	6	16	V	5.0	0	5.04	158
401430175	2012	12	6	17	V	5.2	0	4	160
401430175	2012	12	6	18	V	5.7	0	3.4	158
401430175	2012	12	6	19	V	2.9	0	2.69	151
401430175	2012	12	6	20	V	3.0	0	2.3	156
401430175	2012	12	6	21	V	9.3	0	2.1	169
401430175	2012	12	6	22	V	8.8	0	2.49	176
401430175	2012	12	6	23	V	10.3	0	2.78	171
401430175	2012	12	6	24	V	11.0	0	1.94	173
401430175	2012	12	7	1	V	5.9	0	1.33	161
401430175	2012	12	7	2	V	2.9	0	1.09	133
401430175	2012	12	7	3	V	2.2	0	1.23	84
401430175	2012	12	7	4	V	3.2	0	0.79	83
401430175	2012	12	7	5	V	2.5	0	1.11	356
401430175	2012	12	7	6	V	2.4	0	1.99	37
401430175	2012	12	7	7	V	8.5	0	1.79	43
401430175	2012	12	7	8	V	2.4	0	1.62	23
401430175	2012	12	7	9	V	2.3	0	1.18	58
401430175	2012	12	7	10	V	3.7	0	1.42	84
401430175	2012	12	7	11	V	5.4	0	1.03	95
401430175	2012	12	7	12	V	15.3	0	0.97	174
401430175	2012	12	7	13	V	13.4	0	0.94	165
401430175	2012	12	7	14	V	17.2	0	0.77	230
401430175	2012	12	7	15	V	2.7	0	1.03	323
401430175	2012	12	7	16	V	3.6	0	0.82	4
401430175	2012	12	7	17	C	-999	0	0	0
401430175	2012	12	7	18	V	8.3	0	0.52	290
401430175	2012	12	7	19	V	3.7	0	0.92	338
401430175	2012	12	7	20	V	3.0	0	0.97	286
401430175	2012	12	7	21	V	4.2	0	0.74	297
401430175	2012	12	7	22	V	2.8	0	1.45	276
401430175	2012	12	7	23	V	3.7	0	1.89	298
401430175	2012	12	7	24	V	3.2	0	2.16	325
401430175	2012	12	8	1	V	2.3	0	2.06	343
401430175	2012	12	8	2	V	2.4	0	2.72	358
401430175	2012	12	8	3	V	1.9	0	2.18	359
401430175	2012	12	8	4	V	1.9	0	3.05	4
401430175	2012	12	8	5	V	2.1	0	3.32	7
401430175	2012	12	8	6	V	2.0	0	3.17	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	8	7	V	1.6	0	3.32	15
401430175	2012	12	8	8	V	2.4	0	2.89	18
401430175	2012	12	8	9	V	2.1	0	3.27	32
401430175	2012	12	8	10	V	4.1	0	2.2	31
401430175	2012	12	8	11	V	3.6	0	1.76	29
401430175	2012	12	8	12	V	6.9	0	2.3	35
401430175	2012	12	8	13	V	7.6	0	1.5	33
401430175	2012	12	8	14	V	3.8	0	1.14	8
401430175	2012	12	8	15	V	2.5	0	1.21	23
401430175	2012	12	8	16	V	3.8	0	0.84	31
401430175	2012	12	8	17	V	3.4	0	1.52	25
401430175	2012	12	8	18	V	4.3	0	2.59	30
401430175	2012	12	8	19	V	2.9	0	2.66	30
401430175	2012	12	8	20	V	5.2	0	2.3	40
401430175	2012	12	8	21	V	2.7	0	1.71	33
401430175	2012	12	8	22	V	3.0	0	1.21	19
401430175	2012	12	8	23	V	4.3	0	1.23	54
401430175	2012	12	8	24	V	3.3	0	1.67	19
401430175	2012	12	9	1	V	2.4	0	1.72	21
401430175	2012	12	9	2	V	2.4	0	2.66	19
401430175	2012	12	9	3	V	1.9	0	2.59	22
401430175	2012	12	9	4	V	1.9	0	2.91	20
401430175	2012	12	9	5	V	2.1	0	2.74	7
401430175	2012	12	9	6	V	2.0	0	2.93	360
401430175	2012	12	9	7	V	1.6	0	3.37	2
401430175	2012	12	9	8	V	2.4	0	3.39	3
401430175	2012	12	9	9	V	2.0	0	4.37	1
401430175	2012	12	9	10	V	3.0	0	4.97	4
401430175	2012	12	9	11	V	2.9	0	5.22	4
401430175	2012	12	9	12	V	5.5	0	4.63	3
401430175	2012	12	9	13	V	6.2	0	5.05	3
401430175	2012	12	9	14	V	2.9	0	4.51	351
401430175	2012	12	9	15	V	1.9	0	4.58	340
401430175	2012	12	9	16	V	3.2	0	4.78	339
401430175	2012	12	9	17	V	3.4	0	4.22	332
401430175	2012	12	9	18	V	4.3	0	4.75	332
401430175	2012	12	9	19	V	2.9	0	4.34	333
401430175	2012	12	9	20	V	2.4	0	5.41	341
401430175	2012	12	9	21	V	2.6	0	5.36	340
401430175	2012	12	9	22	V	2.7	0	4.83	341
401430175	2012	12	9	23	V	3.7	0	4.83	342
401430175	2012	12	9	24	V	3.2	0	3.56	342
401430175	2012	12	10	1	V	2.3	0	3.1	343
401430175	2012	12	10	2	V	2.4	0	4.14	343
401430175	2012	12	10	3	V	1.9	0	4.05	332
401430175	2012	12	10	4	V	1.9	0	3.52	329

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	10	5	V	2.1	0	4.02	323
401430175	2012	12	10	6	V	2.0	0	4.63	325
401430175	2012	12	10	7	V	1.6	0	4.12	328
401430175	2012	12	10	8	V	2.4	0	2.64	335
401430175	2012	12	10	9	V	2.0	0	3.29	333
401430175	2012	12	10	10	V	3.2	0	3.13	328
401430175	2012	12	10	11	V	3.1	0	3.46	325
401430175	2012	12	10	12	V	5.7	0	3.27	322
401430175	2012	12	10	13	V	6.5	0	3.37	307
401430175	2012	12	10	14	V	3.2	0	3.15	313
401430175	2012	12	10	15	V	2.3	0	2.79	322
401430175	2012	12	10	16	V	3.6	0	2.03	307
401430175	2012	12	10	17	V	3.4	0	1.99	276
401430175	2012	12	10	18	V	4.4	0	1.57	267
401430175	2012	12	10	19	V	3.7	0	0.92	263
401430175	2012	12	10	20	V	5.1	0	0.65	263
401430175	2012	12	10	21	V	13.3	0	0.74	242
401430175	2012	12	10	22	V	7.3	0	0.6	254
401430175	2012	12	10	23	V	15.3	0	0.97	197
401430175	2012	12	10	24	V	30.6	0	0.84	209
401430175	2012	12	11	1	V	36.6	0	0.94	218
401430175	2012	12	11	2	V	8.4	1	0.91	242
401430175	2012	12	11	3	V	37.3	1	0.97	221
401430175	2012	12	11	4	V	34.5	1	0.63	207
401430175	2012	12	11	5	V	3.7	0	0.77	272
401430175	2012	12	11	6	V	23.1	1	0.91	207
401430175	2012	12	11	7	V	30.0	1	1.04	215
401430175	2012	12	11	8	V	42.7	1	0.69	219
401430175	2012	12	11	9	V	19.2	2	1.01	206
401430175	2012	12	11	10	V	12.7	1	1.77	194
401430175	2012	12	11	11	V	8.8	1	2.4	172
401430175	2012	12	11	12	V	13.4	-999	2.4	189
401430175	2012	12	11	13	V	20.5	-999	2.95	211
401430175	2012	12	11	14	V	9.9	0	3.85	190
401430175	2012	12	11	15	V	14.4	0	4.14	203
401430175	2012	12	11	16	V	16.1	0	3.83	203
401430175	2012	12	11	17	V	4.6	0	3.78	185
401430175	2012	12	11	18	V	4.7	0	2.57	187
401430175	2012	12	11	19	V	7.8	0	1.59	202
401430175	2012	12	11	20	V	30.4	0	1.21	218
401430175	2012	12	11	21	V	21.2	0	1.2	212
401430175	2012	12	11	22	V	27.8	0	0.82	207
401430175	2012	12	11	23	V	6.4	0	0.62	69
401430175	2012	12	11	24	C	-999	0	0	0
401430175	2012	12	12	1	C	-999	0	0	0
401430175	2012	12	12	2	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	12	3	C	-999	0	0	0
401430175	2012	12	12	4	C	-999	0	0	0
401430175	2012	12	12	5	C	-999	0	0	0
401430175	2012	12	12	6	V	10.6	0	0.69	158
401430175	2012	12	12	7	V	8.3	0	1.08	189
401430175	2012	12	12	8	V	7.5	0	1.47	198
401430175	2012	12	12	9	V	4.3	0	1.67	188
401430175	2012	12	12	10	V	7.2	0	4.7	187
401430175	2012	12	12	11	V	10.6	0	5.24	198
401430175	2012	12	12	12	V	11.2	0	6.48	193
401430175	2012	12	12	13	V	10.3	0	6.18	186
401430175	2012	12	12	14	V	6.8	0	6.5	185
401430175	2012	12	12	15	V	7.7	1	5.99	176
401430175	2012	12	12	16	V	9.9	0	5.92	169
401430175	2012	12	12	17	V	7.9	0	4.99	167
401430175	2012	12	12	18	V	7.5	1	3.73	165
401430175	2012	12	12	19	V	5.9	1	3.39	164
401430175	2012	12	12	20	V	6.7	2	3.88	172
401430175	2012	12	12	21	V	6.8	2	4.48	169
401430175	2012	12	12	22	V	6.5	2	3.71	177
401430175	2012	12	12	23	V	8.3	1	2.95	168
401430175	2012	12	12	24	V	6.6	1	3.25	165
401430175	2012	12	13	1	V	3.8	0	2.88	163
401430175	2012	12	13	2	V	4.9	1	2.95	164
401430175	2012	12	13	3	V	3.0	1	2.74	162
401430175	2012	12	13	4	V	4.3	1	2.93	164
401430175	2012	12	13	5	V	6.7	1	3.35	168
401430175	2012	12	13	6	V	4.9	1	3.44	164
401430175	2012	12	13	7	V	6.5	1	3.39	169
401430175	2012	12	13	8	V	7.5	0	3.44	171
401430175	2012	12	13	9	V	7.2	0	4	173
401430175	2012	12	13	10	V	6.4	1	6.38	187
401430175	2012	12	13	11	V	5.6	1	7.96	185
401430175	2012	12	13	12	V	9.1	1	8.2	190
401430175	2012	12	13	13	V	9.1	1	8.42	187
401430175	2012	12	13	14	V	6.8	1	7.82	190
401430175	2012	12	13	15	V	5.2	1	7.31	188
401430175	2012	12	13	16	V	6.4	1	6.52	183
401430175	2012	12	13	17	V	9.2	1	5.6	174
401430175	2012	12	13	18	V	8.8	1	3.61	174
401430175	2012	12	13	19	V	7.6	1	3.61	175
401430175	2012	12	13	20	V	5.4	1	3.24	164
401430175	2012	12	13	21	V	3.2	1	2.66	160
401430175	2012	12	13	22	V	7.8	0	2.64	169
401430175	2012	12	13	23	V	5.6	1	3.61	182
401430175	2012	12	13	24	V	5.6	1	1.62	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	14	1	V	16.0	2	0.97	200
401430175	2012	12	14	2	V	33.9	2	0.72	210
401430175	2012	12	14	3	V	14.5	2	1.5	172
401430175	2012	12	14	4	V	10.3	2	1.45	178
401430175	2012	12	14	5	V	10.9	2	1.77	169
401430175	2012	12	14	6	V	8.7	1	2.25	170
401430175	2012	12	14	7	V	3.5	1	3	159
401430175	2012	12	14	8	V	4.1	1	3.47	159
401430175	2012	12	14	9	V	4.9	1	3.32	161
401430175	2012	12	14	10	V	8.7	1	5.34	169
401430175	2012	12	14	11	V	8.1	1	4.63	168
401430175	2012	12	14	12	V	10.2	1	4.88	164
401430175	2012	12	14	13	V	12.1	1	5.07	166
401430175	2012	12	14	14	V	6.5	1	4.68	162
401430175	2012	12	14	15	V	5.2	1	5.41	162
401430175	2012	12	14	16	V	6.0	0	5.27	161
401430175	2012	12	14	17	V	3.4	0	4.73	146
401430175	2012	12	14	18	V	4.9	1	5.5	153
401430175	2012	12	14	19	V	3.0	0	5.31	149
401430175	2012	12	14	20	V	3.5	0	5.1	156
401430175	2012	12	14	21	V	4.7	0	5.7	159
401430175	2012	12	14	22	V	6.7	0	5.62	164
401430175	2012	12	14	23	V	5.0	0	3.44	199
401430175	2012	12	14	24	V	3.2	0	3.32	136
401430175	2012	12	15	1	V	2.3	0	2.61	148
401430175	2012	12	15	2	V	7.5	0	3.18	174
401430175	2012	12	15	3	V	2.6	0	5.6	191
401430175	2012	12	15	4	V	2.6	1	5.31	196
401430175	2012	12	15	5	V	2.7	1	5.16	196
401430175	2012	12	15	6	V	3.3	1	4.36	208
401430175	2012	12	15	7	V	2.9	0	4.27	208
401430175	2012	12	15	8	V	2.7	0	2.56	192
401430175	2012	12	15	9	V	5.3	0	3.29	183
401430175	2012	12	15	10	V	18.1	0	5.36	217
401430175	2012	12	15	11	V	20.7	0	5.24	221
401430175	2012	12	15	12	V	14.1	0	4.49	234
401430175	2012	12	15	13	V	14.6	0	4.99	234
401430175	2012	12	15	14	V	19.7	0	5.05	218
401430175	2012	12	15	15	V	18.9	0	4.82	214
401430175	2012	12	15	16	V	14.3	0	4.58	200
401430175	2012	12	15	17	V	5.2	0	3.52	204
401430175	2012	12	15	18	V	6.9	0	1.84	209
401430175	2012	12	15	19	V	6.0	1	1.42	192
401430175	2012	12	15	20	V	4.8	0	1.47	191
401430175	2012	12	15	21	V	11.8	0	1.18	198
401430175	2012	12	15	22	V	33.4	1	0.77	211

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	15	23	C	-999	0	0	0
401430175	2012	12	15	24	V	40.7	0	0.7	214
401430175	2012	12	16	1	V	14.1	0	0.99	197
401430175	2012	12	16	2	C	-999	0	0	0
401430175	2012	12	16	3	C	-999	1	0	0
401430175	2012	12	16	4	C	-999	1	0	0
401430175	2012	12	16	5	V	4.0	0	0.72	360
401430175	2012	12	16	6	V	40.5	1	0.79	222
401430175	2012	12	16	7	C	-999	1	0	0
401430175	2012	12	16	8	V	24.8	0	0.67	236
401430175	2012	12	16	9	V	5.5	0	0.87	245
401430175	2012	12	16	10	V	10.1	0	1.2	163
401430175	2012	12	16	11	V	12.9	0	3.25	231
401430175	2012	12	16	12	V	10.8	0	4.32	238
401430175	2012	12	16	13	V	6.5	0	4.58	255
401430175	2012	12	16	14	V	3.4	0	4.61	254
401430175	2012	12	16	15	V	2.1	0	4.49	279
401430175	2012	12	16	16	V	3.3	0	4.1	259
401430175	2012	12	16	17	V	3.4	0	2.5	268
401430175	2012	12	16	18	V	4.3	0	3.22	327
401430175	2012	12	16	19	V	3.0	0	1.37	348
401430175	2012	12	16	20	V	2.4	0	2.45	334
401430175	2012	12	16	21	V	2.7	0	1.72	329
401430175	2012	12	16	22	V	2.7	0	2.27	332
401430175	2012	12	16	23	V	3.7	0	2.37	345
401430175	2012	12	16	24	V	3.2	0	3.24	5
401430175	2012	12	17	1	V	2.3	0	2.88	4
401430175	2012	12	17	2	V	2.4	0	2.49	7
401430175	2012	12	17	3	V	1.9	0	2.33	3
401430175	2012	12	17	4	V	1.9	0	2.23	327
401430175	2012	12	17	5	V	2.1	0	2.27	331
401430175	2012	12	17	6	V	2.0	0	2.69	316
401430175	2012	12	17	7	V	1.6	0	2.13	328
401430175	2012	12	17	8	V	2.4	0	2.4	329
401430175	2012	12	17	9	V	2.2	0	2.32	323
401430175	2012	12	17	10	V	3.4	0	2.5	310
401430175	2012	12	17	11	V	3.4	0	2.2	277
401430175	2012	12	17	12	V	6.1	0	2.67	260
401430175	2012	12	17	13	V	6.6	0	2.83	285
401430175	2012	12	17	14	V	3.3	1	2.69	280
401430175	2012	12	17	15	V	2.7	1	2.3	262
401430175	2012	12	17	16	V	7.1	0	1.94	246
401430175	2012	12	17	17	V	11.0	0	1.74	216
401430175	2012	12	17	18	V	23.4	0	1.18	212
401430175	2012	12	17	19	V	31.6	1	0.63	204
401430175	2012	12	17	20	V	34.7	1	0.69	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	17	21	V	22.6	1	0.82	203
401430175	2012	12	17	22	V	11.5	0	1.48	209
401430175	2012	12	17	23	V	5.4	0	1.82	195
401430175	2012	12	17	24	V	13.5	0	1.14	199
401430175	2012	12	18	1	V	8.1	0	1.14	186
401430175	2012	12	18	2	V	12.9	0	0.92	185
401430175	2012	12	18	3	V	17.3	0	0.91	178
401430175	2012	12	18	4	V	6.7	0	1.2	186
401430175	2012	12	18	5	V	13.5	0	1.57	170
401430175	2012	12	18	6	V	8.2	0	1.45	164
401430175	2012	12	18	7	V	5.1	0	1.3	186
401430175	2012	12	18	8	V	42.7	0	0.63	223
401430175	2012	12	18	9	V	8.2	1	1.28	181
401430175	2012	12	18	10	V	14.9	1	1.54	194
401430175	2012	12	18	11	V	17.2	1	2.66	223
401430175	2012	12	18	12	V	7.6	1	1.86	260
401430175	2012	12	18	13	V	16.7	1	1.99	191
401430175	2012	12	18	14	V	4.8	1	1.35	295
401430175	2012	12	18	15	V	2.6	1	2.27	26
401430175	2012	12	18	16	V	3.8	1	1.67	20
401430175	2012	12	18	17	V	3.5	2	1.18	11
401430175	2012	12	18	18	V	4.7	3	1.13	4
401430175	2012	12	18	19	V	5.8	2	0.62	301
401430175	2012	12	18	20	C	-999	2	0	0
401430175	2012	12	18	21	V	5.3	1	0.62	15
401430175	2012	12	18	22	V	24.6	1	0.62	237
401430175	2012	12	18	23	C	-999	1	0	0
401430175	2012	12	18	24	V	4.4	1	0.82	340
401430175	2012	12	19	1	V	2.4	1	1.52	342
401430175	2012	12	19	2	V	4.0	0	0.74	320
401430175	2012	12	19	3	V	1.9	0	1.76	28
401430175	2012	12	19	4	V	1.9	0	2.04	25
401430175	2012	12	19	5	V	2.1	0	1.96	22
401430175	2012	12	19	6	V	4.0	0	0.75	52
401430175	2012	12	19	7	V	3.7	1	0.69	65
401430175	2012	12	19	8	V	4.3	1	0.72	262
401430175	2012	12	19	9	V	4.4	1	2.47	156
401430175	2012	12	19	10	V	6.4	1	3.42	161
401430175	2012	12	19	11	V	8.4	1	3.98	168
401430175	2012	12	19	12	V	9.1	0	4.46	163
401430175	2012	12	19	13	V	9.7	1	4.19	162
401430175	2012	12	19	14	V	6.6	-999	4.7	165
401430175	2012	12	19	15	V	5.7	-999	3.59	163
401430175	2012	12	19	16	V	9.0	-999	4.12	172
401430175	2012	12	19	17	V	6.9	-999	5.11	180
401430175	2012	12	19	18	V	5.2	0	4.48	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	19	19	V	3.6	0	4.24	188
401430175	2012	12	19	20	V	3.7	0	4.75	187
401430175	2012	12	19	21	V	6.2	0	5.55	208
401430175	2012	12	19	22	V	2.9	0	6.16	254
401430175	2012	12	19	23	V	3.8	0	4.54	259
401430175	2012	12	19	24	V	3.8	0	6.52	249
401430175	2012	12	20	1	V	2.4	0	6.16	268
401430175	2012	12	20	2	V	2.5	0	7.15	287
401430175	2012	12	20	3	V	2.0	0	7.06	290
401430175	2012	12	20	4	V	2.0	0	7.54	300
401430175	2012	12	20	5	V	2.2	0	8.03	298
401430175	2012	12	20	6	V	2.1	0	7.52	306
401430175	2012	12	20	7	V	1.7	0	6.84	317
401430175	2012	12	20	8	V	2.4	0	6.26	303
401430175	2012	12	20	9	V	2.1	0	6.24	303
401430175	2012	12	20	10	V	3.0	0	6.75	303
401430175	2012	12	20	11	V	2.9	0	6.89	307
401430175	2012	12	20	12	V	5.5	0	5.89	309
401430175	2012	12	20	13	V	6.3	0	6.28	310
401430175	2012	12	20	14	V	3.0	0	6.24	318
401430175	2012	12	20	15	V	2.0	0	6.04	313
401430175	2012	12	20	16	V	3.2	0	5.92	319
401430175	2012	12	20	17	V	3.4	0	4.66	310
401430175	2012	12	20	18	V	4.3	0	3.29	311
401430175	2012	12	20	19	V	2.9	0	2.03	299
401430175	2012	12	20	20	V	3.0	0	0.97	281
401430175	2012	12	20	21	C	-999	0	0	0
401430175	2012	12	20	22	V	4.3	0	0.74	273
401430175	2012	12	20	23	C	-999	0	0	0
401430175	2012	12	20	24	V	39.6	0	0.62	211
401430175	2012	12	21	1	V	21.9	0	0.58	194
401430175	2012	12	21	2	C	-999	0	0	0
401430175	2012	12	21	3	V	17.7	0	0.65	189
401430175	2012	12	21	4	V	17.2	0	0.58	166
401430175	2012	12	21	5	C	-999	0	0	0
401430175	2012	12	21	6	V	5.7	0	0.67	254
401430175	2012	12	21	7	V	6.0	0	0.52	265
401430175	2012	12	21	8	V	20.4	0	0.7	196
401430175	2012	12	21	9	V	14.9	0	0.94	199
401430175	2012	12	21	10	V	10.9	1	1.26	177
401430175	2012	12	21	11	V	9.0	0	2.62	182
401430175	2012	12	21	12	V	9.9	0	2.44	164
401430175	2012	12	21	13	V	7.5	0	2.76	149
401430175	2012	12	21	14	V	5.8	0	2.71	157
401430175	2012	12	21	15	V	5.7	0	2.96	161
401430175	2012	12	21	16	V	3.4	0	2.83	121

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	21	17	V	4.6	0	2.21	160
401430175	2012	12	21	18	V	4.7	0	1.28	55
401430175	2012	12	21	19	V	6.1	0	0.57	69
401430175	2012	12	21	20	C	-999	0	0	0
401430175	2012	12	21	21	C	-999	0	0	0
401430175	2012	12	21	22	C	-999	0	0	0
401430175	2012	12	21	23	V	6.4	0	0.62	298
401430175	2012	12	21	24	V	7.0	0	0.53	272
401430175	2012	12	22	1	V	15.3	0	0.84	183
401430175	2012	12	22	2	V	12.1	0	0.97	193
401430175	2012	12	22	3	V	17.0	0	1.28	172
401430175	2012	12	22	4	C	-999	0	0	0
401430175	2012	12	22	5	V	13.7	0	0.87	184
401430175	2012	12	22	6	V	9.8	0	1.31	180
401430175	2012	12	22	7	V	29.3	0	0.91	213
401430175	2012	12	22	8	C	-999	0	0	0
401430175	2012	12	22	9	V	8.6	0	1.45	165
401430175	2012	12	22	10	V	7.9	0	3.66	182
401430175	2012	12	22	11	V	8.0	0	4.65	190
401430175	2012	12	22	12	V	9.8	0	5.16	187
401430175	2012	12	22	13	V	10.1	0	6.02	186
401430175	2012	12	22	14	V	7.1	0	5.87	183
401430175	2012	12	22	15	V	6.7	2	6.01	190
401430175	2012	12	22	16	V	16.1	1	5.5	205
401430175	2012	12	22	17	V	4.7	2	4.82	202
401430175	2012	12	22	18	V	6.3	0	2.28	181
401430175	2012	12	22	19	V	10.9	0	1.72	168
401430175	2012	12	22	20	V	4.0	0	2.5	180
401430175	2012	12	22	21	V	14.2	0	1.06	199
401430175	2012	12	22	22	V	39.2	0	0.72	214
401430175	2012	12	22	23	V	12.5	0	1.2	198
401430175	2012	12	22	24	V	24.8	0	1.18	230
401430175	2012	12	23	1	V	4.5	0	0.69	270
401430175	2012	12	23	2	V	4.9	0	0.65	301
401430175	2012	12	23	3	V	37.6	0	0.82	226
401430175	2012	12	23	4	V	6.5	0	1.26	191
401430175	2012	12	23	5	V	40.6	0	0.79	221
401430175	2012	12	23	6	V	2.8	0	0.92	354
401430175	2012	12	23	7	C	-999	0	0	0
401430175	2012	12	23	8	V	36.6	0	0.63	208
401430175	2012	12	23	9	C	-999	0	0	0
401430175	2012	12	23	10	V	11.4	0	0.82	159
401430175	2012	12	23	11	V	7.2	0	2.04	246
401430175	2012	12	23	12	V	7.0	0	1.96	259
401430175	2012	12	23	13	V	16.4	0	1.62	204
401430175	2012	12	23	14	V	5.9	0	1.5	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	23	15	V	2.4	0	2.57	24
401430175	2012	12	23	16	V	3.5	0	2.38	352
401430175	2012	12	23	17	V	3.4	0	2.54	351
401430175	2012	12	23	18	V	4.3	0	2.01	345
401430175	2012	12	23	19	V	2.9	0	2.76	360
401430175	2012	12	23	20	V	2.4	0	4.17	5
401430175	2012	12	23	21	V	2.6	0	3.9	349
401430175	2012	12	23	22	V	2.7	0	3.32	355
401430175	2012	12	23	23	V	3.8	0	1.65	349
401430175	2012	12	23	24	V	3.2	0	2.62	342
401430175	2012	12	24	1	V	2.3	0	3.03	330
401430175	2012	12	24	2	V	2.4	0	2.3	355
401430175	2012	12	24	3	V	1.9	0	2.56	322
401430175	2012	12	24	4	V	1.9	0	2.98	353
401430175	2012	12	24	5	V	2.1	0	2.42	317
401430175	2012	12	24	6	V	2.0	0	2.27	316
401430175	2012	12	24	7	V	1.6	0	3.08	345
401430175	2012	12	24	8	V	2.4	0	2.74	351
401430175	2012	12	24	9	V	2.0	0	3.88	11
401430175	2012	12	24	10	V	3.1	0	4.1	17
401430175	2012	12	24	11	V	3.1	1	3.44	10
401430175	2012	12	24	12	V	5.7	3	2.93	9
401430175	2012	12	24	13	V	8.3	2	3.52	36
401430175	2012	12	24	14	V	3.0	2	3.91	11
401430175	2012	12	24	15	V	2.0	0	4.37	6
401430175	2012	12	24	16	V	3.3	0	4.32	21
401430175	2012	12	24	17	V	3.4	0	3.61	28
401430175	2012	12	24	18	V	4.3	0	4.76	34
401430175	2012	12	24	19	V	2.9	0	5.07	31
401430175	2012	12	24	20	V	2.6	0	6.23	36
401430175	2012	12	24	21	V	2.7	1	6.31	34
401430175	2012	12	24	22	V	2.7	2	6.26	30
401430175	2012	12	24	23	V	3.7	3	4.97	27
401430175	2012	12	24	24	V	3.2	2	5.89	30
401430175	2012	12	25	1	V	2.3	4	6.12	27
401430175	2012	12	25	2	V	2.4	4	6.82	28
401430175	2012	12	25	3	V	1.9	0	6.02	28
401430175	2012	12	25	4	V	1.9	0	6.38	29
401430175	2012	12	25	5	V	2.1	1	7.16	31
401430175	2012	12	25	6	V	2.0	0	7.26	30
401430175	2012	12	25	7	V	2.3	0	8.35	37
401430175	2012	12	25	8	V	2.5	1	8.5	31
401430175	2012	12	25	9	V	2.1	1	8.66	31
401430175	2012	12	25	10	V	3.0	0	9.03	25
401430175	2012	12	25	11	V	2.9	0	9.03	24
401430175	2012	12	25	12	V	5.4	0	7.99	20

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	25	13	V	6.2	0	8.42	16
401430175	2012	12	25	14	V	2.9	0	9.22	20
401430175	2012	12	25	15	V	1.9	0	8.5	15
401430175	2012	12	25	16	V	3.2	0	7.98	12
401430175	2012	12	25	17	V	3.4	0	7.69	10
401430175	2012	12	25	18	V	4.4	0	6.24	2
401430175	2012	12	25	19	V	3.0	0	6.7	2
401430175	2012	12	25	20	V	2.4	0	7.13	8
401430175	2012	12	25	21	V	2.7	0	6.65	6
401430175	2012	12	25	22	V	2.7	0	5.8	360
401430175	2012	12	25	23	V	3.7	0	5.62	355
401430175	2012	12	25	24	V	3.2	0	3.75	344
401430175	2012	12	26	1	V	2.3	0	4	342
401430175	2012	12	26	2	V	2.4	0	3.25	335
401430175	2012	12	26	3	V	1.9	0	3.1	336
401430175	2012	12	26	4	V	1.9	0	3.07	335
401430175	2012	12	26	5	V	2.1	0	3.2	340
401430175	2012	12	26	6	V	2.0	0	3.81	345
401430175	2012	12	26	7	V	1.6	0	3.18	339
401430175	2012	12	26	8	V	2.4	0	2.95	342
401430175	2012	12	26	9	V	2.0	0	3.35	340
401430175	2012	12	26	10	V	3.1	0	3.3	333
401430175	2012	12	26	11	V	3.2	0	2.78	325
401430175	2012	12	26	12	V	5.9	0	2.5	311
401430175	2012	12	26	13	V	7.0	0	2.03	336
401430175	2012	12	26	14	V	3.4	0	2.49	356
401430175	2012	12	26	15	V	2.6	0	2.47	28
401430175	2012	12	26	16	V	3.6	0	1.89	288
401430175	2012	12	26	17	V	3.6	0	1.08	357
401430175	2012	12	26	18	V	4.8	0	1.14	30
401430175	2012	12	26	19	V	5.3	0	0.67	3
401430175	2012	12	26	20	V	5.0	0	0.63	280
401430175	2012	12	26	21	C	-999	0	0	0
401430175	2012	12	26	22	C	-999	0	0	0
401430175	2012	12	26	23	C	-999	0	0	0
401430175	2012	12	26	24	V	5.6	0	0.8	48
401430175	2012	12	27	1	V	14.8	0	0.63	243
401430175	2012	12	27	2	V	4.5	0	0.69	355
401430175	2012	12	27	3	V	2.6	0	0.97	89
401430175	2012	12	27	4	V	2.0	0	1.64	105
401430175	2012	12	27	5	V	2.1	0	2.01	97
401430175	2012	12	27	6	V	2.2	0	1.4	126
401430175	2012	12	27	7	V	18.6	0	1.16	210
401430175	2012	12	27	8	V	4.2	0	2.39	163
401430175	2012	12	27	9	V	6.3	0	3.12	164
401430175	2012	12	27	10	V	8.4	0	3.23	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	27	11	V	9.1	0	6.24	168
401430175	2012	12	27	12	V	11.3	0	6.98	173
401430175	2012	12	27	13	V	11.8	0	6.09	174
401430175	2012	12	27	14	V	8.6	1	6.01	170
401430175	2012	12	27	15	V	6.9	2	5.56	166
401430175	2012	12	27	16	V	10.3	1	5.43	170
401430175	2012	12	27	17	V	8.6	0	5	171
401430175	2012	12	27	18	V	8.9	0	3.37	175
401430175	2012	12	27	19	V	6.6	0	2.79	176
401430175	2012	12	27	20	V	2.9	0	1.96	186
401430175	2012	12	27	21	V	36.2	0	1.13	222
401430175	2012	12	27	22	V	8.2	0	1.31	236
401430175	2012	12	27	23	V	17.2	1	2.95	222
401430175	2012	12	27	24	V	13.0	0	1.71	218
401430175	2012	12	28	1	V	8.3	0	0.92	241
401430175	2012	12	28	2	V	6.6	0	0.52	318
401430175	2012	12	28	3	V	5.5	0	0.55	9
401430175	2012	12	28	4	V	3.0	0	0.84	352
401430175	2012	12	28	5	V	3.9	0	0.99	38
401430175	2012	12	28	6	V	2.9	0	0.89	351
401430175	2012	12	28	7	V	2.0	0	1.13	336
401430175	2012	12	28	8	V	2.5	0	1.42	348
401430175	2012	12	28	9	V	2.4	0	1.09	356
401430175	2012	12	28	10	V	3.1	0	2.11	327
401430175	2012	12	28	11	V	3.0	0	2.66	342
401430175	2012	12	28	12	V	5.5	0	3.13	328
401430175	2012	12	28	13	V	6.5	0	2.32	322
401430175	2012	12	28	14	V	3.0	0	2.89	314
401430175	2012	12	28	15	V	2.0	0	2.96	320
401430175	2012	12	28	16	V	3.2	0	2.57	317
401430175	2012	12	28	17	V	3.4	0	2.73	327
401430175	2012	12	28	18	V	4.3	0	2.25	327
401430175	2012	12	28	19	V	2.9	0	2.45	314
401430175	2012	12	28	20	V	2.4	0	2.27	313
401430175	2012	12	28	21	V	2.6	0	3.05	317
401430175	2012	12	28	22	V	2.7	0	2.91	329
401430175	2012	12	28	23	V	3.7	0	2.1	324
401430175	2012	12	28	24	V	3.3	0	1.67	324
401430175	2012	12	29	1	V	2.4	0	1.79	319
401430175	2012	12	29	2	V	2.4	0	2.16	329
401430175	2012	12	29	3	V	1.9	0	1.86	309
401430175	2012	12	29	4	V	1.9	0	2.01	314
401430175	2012	12	29	5	V	2.1	0	2.84	314
401430175	2012	12	29	6	V	2.0	0	2.54	317
401430175	2012	12	29	7	V	1.6	0	1.94	290
401430175	2012	12	29	8	V	2.5	0	1.6	260

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	29	9	V	2.1	0	1.54	289
401430175	2012	12	29	10	V	3.2	0	2.91	337
401430175	2012	12	29	11	V	3.4	0	2.2	330
401430175	2012	12	29	12	V	6.0	0	2.13	301
401430175	2012	12	29	13	V	6.6	0	2.71	273
401430175	2012	12	29	14	V	3.1	0	3.4	287
401430175	2012	12	29	15	V	2.3	0	2.67	276
401430175	2012	12	29	16	V	3.6	0	2.2	271
401430175	2012	12	29	17	V	3.5	2	1.23	287
401430175	2012	12	29	18	V	22.5	1	0.92	204
401430175	2012	12	29	19	V	21.7	0	0.94	205
401430175	2012	12	29	20	C	-999	0	0	0
401430175	2012	12	29	21	V	24.2	0	0.63	237
401430175	2012	12	29	22	C	-999	0	0	0
401430175	2012	12	29	23	V	6.9	0	0.6	269
401430175	2012	12	29	24	C	-999	0	0	0
401430175	2012	12	30	1	C	-999	0	0	0
401430175	2012	12	30	2	V	10.0	0	0.69	246
401430175	2012	12	30	3	C	-999	0	0	0
401430175	2012	12	30	4	V	25.2	0	0.62	236
401430175	2012	12	30	5	C	-999	0	0	0
401430175	2012	12	30	6	C	-999	0	0	0
401430175	2012	12	30	7	V	18.8	-999	0.84	175
401430175	2012	12	30	8	V	6.5	0	0.53	264
401430175	2012	12	30	9	C	-999	0	0	0
401430175	2012	12	30	10	V	8.3	0	1.37	160
401430175	2012	12	30	11	V	9.2	0	2.06	171
401430175	2012	12	30	12	V	9.5	0	5.8	188
401430175	2012	12	30	13	V	11.5	0	6.96	192
401430175	2012	12	30	14	V	7.7	1	6.16	189
401430175	2012	12	30	15	V	6.4	0	6.53	189
401430175	2012	12	30	16	V	8.5	0	5.53	180
401430175	2012	12	30	17	V	7.5	0	4.78	178
401430175	2012	12	30	18	V	7.7	0	3.54	165
401430175	2012	12	30	19	V	7.3	0	3.83	170
401430175	2012	12	30	20	V	6.0	0	4.1	168
401430175	2012	12	30	21	V	7.0	3	4.58	173
401430175	2012	12	30	22	V	7.4	7	4.87	171
401430175	2012	12	30	23	V	8.7	7	5.07	171
401430175	2012	12	30	24	V	6.7	3	4.39	179
401430175	2012	12	31	1	V	3.4	0	4.15	187
401430175	2012	12	31	2	V	3.5	0	3.91	186
401430175	2012	12	31	3	V	3.6	0	3.42	185
401430175	2012	12	31	4	V	7.4	0	3.13	176
401430175	2012	12	31	5	V	6.5	0	2.71	179
401430175	2012	12	31	6	V	7.4	0	2.45	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2012	12	31	7	V	7.9	0	2.98	170
401430175	2012	12	31	8	V	4.6	0	3.08	160
401430175	2012	12	31	9	V	2.4	0	2.4	152
401430175	2012	12	31	10	V	3.1	0	3.32	138
401430175	2012	12	31	11	V	4.1	0	2.44	150
401430175	2012	12	31	12	V	8.6	0	3.76	161
401430175	2012	12	31	13	V	11.8	0	2.91	164
401430175	2012	12	31	14	V	8.9	0	2.5	165
401430175	2012	12	31	15	V	6.3	0	2.78	162
401430175	2012	12	31	16	V	10.7	0	2.98	168
401430175	2012	12	31	17	V	10.6	0	2.64	171
401430175	2012	12	31	18	V	13.7	0	1.52	174
401430175	2012	12	31	19	C	-999	0	0	0
401430175	2012	12	31	20	C	-999	0	0	0
401430175	2012	12	31	21	C	-999	0	0	0
401430175	2012	12	31	22	C	-999	0	0	0
401430175	2012	12	31	23	C	-999	0	0	0
401430175	2012	12	31	24	C	-999	0	0	0
401430175	2013	1	1	1	V	2.3	0	2.81	356
401430175	2013	1	1	2	V	2.4	0	2.71	9
401430175	2013	1	1	3	V	1.9	0	3.42	5
401430175	2013	1	1	4	V	1.9	0	2.91	357
401430175	2013	1	1	5	V	2.1	0	2.96	360
401430175	2013	1	1	6	V	2.0	0	2.86	12
401430175	2013	1	1	7	V	1.6	0	2.74	355
401430175	2013	1	1	8	V	2.4	0	3.8	360
401430175	2013	1	1	9	V	2.0	0	3.42	2
401430175	2013	1	1	10	V	3.0	0	3.52	359
401430175	2013	1	1	11	V	2.9	0	3.56	3
401430175	2013	1	1	12	V	5.4	0	3.15	358
401430175	2013	1	1	13	V	6.2	0	3.12	335
401430175	2013	1	1	14	V	2.9	0	3.23	353
401430175	2013	1	1	15	V	1.9	0	3.29	354
401430175	2013	1	1	16	V	3.1	0	2.96	353
401430175	2013	1	1	17	V	3.3	0	2.81	356
401430175	2013	1	1	18	V	4.3	0	2.1	6
401430175	2013	1	1	19	V	2.9	0	2.27	353
401430175	2013	1	1	20	V	2.4	0	2.78	355
401430175	2013	1	1	21	V	2.6	0	2.06	356
401430175	2013	1	1	22	V	2.7	0	1.82	7
401430175	2013	1	1	23	V	3.7	0	2.01	358
401430175	2013	1	1	24	V	3.3	0	1.45	346
401430175	2013	1	2	1	V	2.6	0	0.97	310
401430175	2013	1	2	2	V	2.7	0	0.96	274
401430175	2013	1	2	3	V	3.3	0	0.63	301
401430175	2013	1	2	4	V	2.5	0	0.79	315

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	2	5	V	13.1	0	0.67	197
401430175	2013	1	2	6	V	20.3	0	0.67	222
401430175	2013	1	2	7	V	13.6	0	0.77	231
401430175	2013	1	2	8	V	3.4	0	0.91	247
401430175	2013	1	2	9	V	16.2	0	1.06	217
401430175	2013	1	2	10	V	9.2	0	1.6	227
401430175	2013	1	2	11	V	9.2	0	2.59	229
401430175	2013	1	2	12	V	5.9	0	3.07	248
401430175	2013	1	2	13	V	14.2	0	3.27	224
401430175	2013	1	2	14	V	12.1	0	3.71	219
401430175	2013	1	2	15	V	6.0	0	3.29	234
401430175	2013	1	2	16	V	11.0	0	3.05	207
401430175	2013	1	2	17	V	4.1	0	1.98	201
401430175	2013	1	2	18	V	12.6	0	0.72	195
401430175	2013	1	2	19	V	4.9	0	0.53	288
401430175	2013	1	2	20	V	4.9	0	0.53	256
401430175	2013	1	2	21	V	3.0	0	0.92	303
401430175	2013	1	2	22	V	2.7	0	1.76	307
401430175	2013	1	2	23	V	3.7	0	2.44	334
401430175	2013	1	2	24	V	3.3	0	1.48	360
401430175	2013	1	3	1	V	6.2	0	1.43	202
401430175	2013	1	3	2	V	2.9	0	0.84	261
401430175	2013	1	3	3	V	2.1	0	1.16	274
401430175	2013	1	3	4	V	5.0	0	0.65	248
401430175	2013	1	3	5	V	13.4	0	0.82	231
401430175	2013	1	3	6	C	-999	0	0	0
401430175	2013	1	3	7	V	14.0	0	1.26	218
401430175	2013	1	3	8	C	-999	0	0	0
401430175	2013	1	3	9	V	17.9	0	0.52	202
401430175	2013	1	3	10	V	3.7	0	1.21	317
401430175	2013	1	3	11	V	3.7	0	1.45	308
401430175	2013	1	3	12	V	5.8	0	2.06	12
401430175	2013	1	3	13	V	6.4	0	2.54	20
401430175	2013	1	3	14	V	3.8	0	2.1	57
401430175	2013	1	3	15	V	2.2	0	1.69	284
401430175	2013	1	3	16	V	3.3	0	2.5	300
401430175	2013	1	3	17	V	3.4	0	2.13	285
401430175	2013	1	3	18	V	4.3	0	1.76	306
401430175	2013	1	3	19	V	2.9	0	1.86	308
401430175	2013	1	3	20	V	2.4	0	1.76	306
401430175	2013	1	3	21	V	2.7	0	1.33	316
401430175	2013	1	3	22	V	3.4	0	0.77	268
401430175	2013	1	3	23	V	4.4	0	0.79	272
401430175	2013	1	3	24	V	4.2	0	0.72	277
401430175	2013	1	4	1	V	3.7	0	0.82	248
401430175	2013	1	4	2	V	8.7	0	0.69	240

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	4	3	C	-999	0	0	0
401430175	2013	1	4	4	V	14.7	0	0.77	230
401430175	2013	1	4	5	V	16.8	0	0.74	206
401430175	2013	1	4	6	V	10.4	0	0.77	186
401430175	2013	1	4	7	V	11.0	0	0.92	204
401430175	2013	1	4	8	C	-999	0	0	0
401430175	2013	1	4	9	V	14.6	1	0.86	228
401430175	2013	1	4	10	V	7.8	1	1.42	186
401430175	2013	1	4	11	V	5.9	0	3.57	186
401430175	2013	1	4	12	V	9.6	5	3.25	195
401430175	2013	1	4	13	V	12.7	10	3.52	201
401430175	2013	1	4	14	V	10.3	8	4.46	227
401430175	2013	1	4	15	V	11.2	4	4.61	224
401430175	2013	1	4	16	V	13.0	4	4.32	222
401430175	2013	1	4	17	V	6.5	7	3.52	218
401430175	2013	1	4	18	V	6.2	6	1.76	208
401430175	2013	1	4	19	V	9.0	0	1.18	204
401430175	2013	1	4	20	V	6.2	2	1.5	205
401430175	2013	1	4	21	V	6.7	1	1.4	204
401430175	2013	1	4	22	V	12.9	2	0.82	202
401430175	2013	1	4	23	V	10.0	2	0.89	191
401430175	2013	1	4	24	V	3.7	1	2.11	195
401430175	2013	1	5	1	V	3.4	1	1.98	204
401430175	2013	1	5	2	V	3.0	1	2.04	197
401430175	2013	1	5	3	V	2.4	3	2.32	195
401430175	2013	1	5	4	V	4.9	3	2.35	178
401430175	2013	1	5	5	V	2.7	0	2.59	189
401430175	2013	1	5	6	V	3.0	1	1.52	186
401430175	2013	1	5	7	V	6.1	1	2.16	171
401430175	2013	1	5	8	V	6.4	1	2.71	174
401430175	2013	1	5	9	V	3.4	0	1.72	183
401430175	2013	1	5	10	V	6.4	3	4.34	193
401430175	2013	1	5	11	V	8.7	7	5.28	203
401430175	2013	1	5	12	V	15.5	10	5.26	219
401430175	2013	1	5	13	V	15.6	10	5.17	223
401430175	2013	1	5	14	V	12.7	2	4.58	216
401430175	2013	1	5	15	V	4.0	4	3.66	238
401430175	2013	1	5	16	V	10.2	3	3.61	228
401430175	2013	1	5	17	V	4.3	4	2.71	239
401430175	2013	1	5	18	V	4.9	0	0.82	252
401430175	2013	1	5	19	V	3.6	0	0.69	297
401430175	2013	1	5	20	V	17.8	0	0.62	229
401430175	2013	1	5	21	V	3.6	0	0.72	269
401430175	2013	1	5	22	V	22.3	0	0.62	219
401430175	2013	1	5	23	V	5.8	0	0.63	253
401430175	2013	1	5	24	V	5.8	0	0.77	245

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	6	1	V	14.9	0	0.67	232
401430175	2013	1	6	2	V	18.5	0	0.74	226
401430175	2013	1	6	3	V	12.8	0	1.04	208
401430175	2013	1	6	4	V	15.1	0	1.18	224
401430175	2013	1	6	5	V	10.6	0	1.35	214
401430175	2013	1	6	6	V	4.9	0	1.6	203
401430175	2013	1	6	7	V	2.5	0	0.86	250
401430175	2013	1	6	8	V	3.4	0	1.25	240
401430175	2013	1	6	9	V	2.0	0	1.43	306
401430175	2013	1	6	10	V	3.1	0	2.96	349
401430175	2013	1	6	11	V	3.0	0	3.13	347
401430175	2013	1	6	12	V	5.6	0	2.76	345
401430175	2013	1	6	13	V	6.3	0	3.18	8
401430175	2013	1	6	14	V	3.0	0	2.69	17
401430175	2013	1	6	15	V	2.2	0	3	30
401430175	2013	1	6	16	V	3.8	0	2.79	33
401430175	2013	1	6	17	V	8.8	0	1.62	47
401430175	2013	1	6	18	V	4.7	0	0.91	101
401430175	2013	1	6	19	C	-999	0	0	0
401430175	2013	1	6	20	C	-999	0	0	0
401430175	2013	1	6	21	V	4.6	0	0.53	299
401430175	2013	1	6	22	V	3.1	0	0.91	283
401430175	2013	1	6	23	V	4.6	0	0.74	281
401430175	2013	1	6	24	V	3.8	0	0.82	262
401430175	2013	1	7	1	V	10.8	0	0.75	190
401430175	2013	1	7	2	V	4.6	0	0.52	266
401430175	2013	1	7	3	C	-999	0	0	0
401430175	2013	1	7	4	V	5.3	0	0.58	249
401430175	2013	1	7	5	C	-999	0	0	0
401430175	2013	1	7	6	V	18.6	0	0.74	212
401430175	2013	1	7	7	V	19.9	0	0.72	219
401430175	2013	1	7	8	V	18.8	0	0.84	220
401430175	2013	1	7	9	V	15.3	1	0.69	202
401430175	2013	1	7	10	V	6.7	0	1.2	165
401430175	2013	1	7	11	V	6.6	1	3.2	171
401430175	2013	1	7	12	V	7.8	1	6.36	190
401430175	2013	1	7	13	V	9.2	2	5.04	191
401430175	2013	1	7	14	V	4.9	2	5.87	187
401430175	2013	1	7	15	V	4.2	3	5.29	184
401430175	2013	1	7	16	V	5.1	2	4.95	186
401430175	2013	1	7	17	V	6.2	0	3.29	178
401430175	2013	1	7	18	V	5.4	0	2.06	182
401430175	2013	1	7	19	V	4.9	0	1.67	198
401430175	2013	1	7	20	V	3.6	0	1.98	201
401430175	2013	1	7	21	V	5.5	0	1.69	208
401430175	2013	1	7	22	V	5.1	0	1.79	209

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	7	23	V	8.8	1	1.23	199
401430175	2013	1	7	24	V	15.3	2	0.7	200
401430175	2013	1	8	1	V	3.2	1	0.74	290
401430175	2013	1	8	2	V	4.3	0	1.11	157
401430175	2013	1	8	3	V	8.9	0	0.96	197
401430175	2013	1	8	4	V	13.1	0	1.03	171
401430175	2013	1	8	5	V	11.3	0	1.28	174
401430175	2013	1	8	6	V	10.0	0	1.35	175
401430175	2013	1	8	7	C	-999	0	0	0
401430175	2013	1	8	8	V	16.6	0	0.87	226
401430175	2013	1	8	9	V	5.7	0	1.47	207
401430175	2013	1	8	10	V	7.6	0	1.85	188
401430175	2013	1	8	11	V	6.3	0	3.91	168
401430175	2013	1	8	12	V	8.8	8	4.15	176
401430175	2013	1	8	13	V	9.4	3	4.83	181
401430175	2013	1	8	14	V	6.3	9	4.97	180
401430175	2013	1	8	15	V	3.2	7	5.58	187
401430175	2013	1	8	16	V	4.6	5	5.19	189
401430175	2013	1	8	17	V	4.4	10	1.98	239
401430175	2013	1	8	18	V	5.9	2	1.25	191
401430175	2013	1	8	19	V	3.3	0	0.92	118
401430175	2013	1	8	20	V	6.3	0	1.31	181
401430175	2013	1	8	21	V	2.6	0	1.99	144
401430175	2013	1	8	22	V	4.3	0	0.75	40
401430175	2013	1	8	23	V	13.2	0	1.3	171
401430175	2013	1	8	24	V	3.3	0	1.47	135
401430175	2013	1	9	1	V	7.7	0	1.59	47
401430175	2013	1	9	2	V	9.5	0	2.06	46
401430175	2013	1	9	3	V	1.9	0	3.22	14
401430175	2013	1	9	4	V	1.9	0	2.37	14
401430175	2013	1	9	5	V	2.1	0	2.06	18
401430175	2013	1	9	6	V	2.0	0	2.08	8
401430175	2013	1	9	7	V	1.7	0	1.55	27
401430175	2013	1	9	8	V	2.4	0	1.72	9
401430175	2013	1	9	9	V	2.0	0	2.3	15
401430175	2013	1	9	10	V	3.0	0	3.13	19
401430175	2013	1	9	11	V	3.0	0	3.07	15
401430175	2013	1	9	12	V	5.4	0	3.61	13
401430175	2013	1	9	13	V	6.2	0	4.1	21
401430175	2013	1	9	14	V	2.9	-999	4.14	25
401430175	2013	1	9	15	V	2.1	0	4.66	34
401430175	2013	1	9	16	V	3.2	0	4.92	29
401430175	2013	1	9	17	V	5.9	0	3.64	40
401430175	2013	1	9	18	V	5.2	0	4.27	38
401430175	2013	1	9	19	V	5.0	0	5	40
401430175	2013	1	9	20	V	5.2	0	4.83	47

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	9	21	V	4.7	0	4.22	48
401430175	2013	1	9	22	V	6.2	0	4.41	43
401430175	2013	1	9	23	V	6.0	0	3.73	48
401430175	2013	1	9	24	V	3.7	0	3.27	51
401430175	2013	1	10	1	V	6.1	0	3.3	46
401430175	2013	1	10	2	V	2.4	1	3.47	62
401430175	2013	1	10	3	V	1.9	0	3.66	70
401430175	2013	1	10	4	V	1.9	1	3	67
401430175	2013	1	10	5	V	2.2	0	3.17	53
401430175	2013	1	10	6	V	2.1	0	2.33	53
401430175	2013	1	10	7	V	1.6	0	2.13	58
401430175	2013	1	10	8	V	8.8	0	2.13	42
401430175	2013	1	10	9	V	8.3	0	1.96	45
401430175	2013	1	10	10	V	3.1	0	2.27	67
401430175	2013	1	10	11	V	3.1	0	2.15	95
401430175	2013	1	10	12	V	5.4	0	2.13	138
401430175	2013	1	10	13	V	10.6	1	3.54	166
401430175	2013	1	10	14	V	5.3	1	3.08	161
401430175	2013	1	10	15	V	1.9	0	2.4	144
401430175	2013	1	10	16	V	3.5	1	2.64	154
401430175	2013	1	10	17	V	6.5	0	3.61	167
401430175	2013	1	10	18	V	5.3	3	4.31	183
401430175	2013	1	10	19	V	4.9	14	3.71	212
401430175	2013	1	10	20	V	2.6	6	2.93	191
401430175	2013	1	10	21	V	3.3	3	3.25	188
401430175	2013	1	10	22	V	3.3	1	3.05	192
401430175	2013	1	10	23	V	4.2	1	4.02	194
401430175	2013	1	10	24	V	4.4	7	3.69	207
401430175	2013	1	11	1	V	2.8	13	3.64	190
401430175	2013	1	11	2	V	4.9	4	2.79	177
401430175	2013	1	11	3	V	2.1	4	2.86	191
401430175	2013	1	11	4	V	4.9	7	2.54	168
401430175	2013	1	11	5	V	3.2	11	3.46	182
401430175	2013	1	11	6	V	3.9	8	3.69	179
401430175	2013	1	11	7	V	3.5	8	3.32	164
401430175	2013	1	11	8	V	2.4	1	2.13	141
401430175	2013	1	11	9	V	5.0	13	3.64	169
401430175	2013	1	11	10	V	5.4	6	5.89	190
401430175	2013	1	11	11	V	6.4	9	7.16	195
401430175	2013	1	11	12	V	8.1	10	6.3	191
401430175	2013	1	11	13	V	8.4	9	6.74	190
401430175	2013	1	11	14	V	4.6	6	7.69	184
401430175	2013	1	11	15	V	3.6	4	6.91	188
401430175	2013	1	11	16	V	4.7	3	8.39	189
401430175	2013	1	11	17	V	4.9	2	6.53	189
401430175	2013	1	11	18	V	5.2	3	5.55	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	11	19	V	4.0	9	4.24	182
401430175	2013	1	11	20	V	4.4	13	5.65	180
401430175	2013	1	11	21	V	3.7	5	4.65	183
401430175	2013	1	11	22	V	3.5	11	5.27	186
401430175	2013	1	11	23	V	4.0	10	3.74	191
401430175	2013	1	11	24	V	3.6	9	2.37	188
401430175	2013	1	12	1	V	2.3	1	1.76	264
401430175	2013	1	12	2	V	2.4	0	2.44	300
401430175	2013	1	12	3	V	1.9	0	2.44	321
401430175	2013	1	12	4	V	1.9	0	3.13	340
401430175	2013	1	12	5	V	2.1	0	3.49	349
401430175	2013	1	12	6	V	2.0	0	5.19	8
401430175	2013	1	12	7	V	1.6	0	5.46	12
401430175	2013	1	12	8	V	2.4	0	5.34	3
401430175	2013	1	12	9	V	2.0	0	5.92	5
401430175	2013	1	12	10	V	2.9	0	6.91	13
401430175	2013	1	12	11	V	2.8	0	6.06	5
401430175	2013	1	12	12	V	5.3	0	6.6	17
401430175	2013	1	12	13	V	6.2	0	6.81	17
401430175	2013	1	12	14	V	2.9	0	5.55	9
401430175	2013	1	12	15	V	1.9	0	5.38	3
401430175	2013	1	12	16	V	3.1	0	6.35	358
401430175	2013	1	12	17	V	3.4	0	6.6	2
401430175	2013	1	12	18	V	4.3	0	6.09	10
401430175	2013	1	12	19	V	2.9	0	5.51	2
401430175	2013	1	12	20	V	2.4	0	5.43	2
401430175	2013	1	12	21	V	2.6	0	4.54	359
401430175	2013	1	12	22	V	2.7	0	4.61	2
401430175	2013	1	12	23	V	3.7	0	3.93	354
401430175	2013	1	12	24	V	3.2	0	3.93	342
401430175	2013	1	13	1	V	2.3	0	4.63	353
401430175	2013	1	13	2	V	2.4	0	5.22	4
401430175	2013	1	13	3	V	1.9	0	4.07	351
401430175	2013	1	13	4	V	1.9	0	3.56	350
401430175	2013	1	13	5	V	2.1	0	3.37	351
401430175	2013	1	13	6	V	2.0	0	4.15	353
401430175	2013	1	13	7	V	1.6	0	4.12	351
401430175	2013	1	13	8	V	2.4	0	3.85	349
401430175	2013	1	13	9	V	2.0	0	3.88	346
401430175	2013	1	13	10	V	3.0	0	4.07	342
401430175	2013	1	13	11	V	2.9	0	4.09	341
401430175	2013	1	13	12	V	5.4	0	4.15	328
401430175	2013	1	13	13	V	6.2	0	4.49	347
401430175	2013	1	13	14	V	2.9	0	4.17	341
401430175	2013	1	13	15	V	1.9	0	3.95	360
401430175	2013	1	13	16	V	3.2	0	3.51	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	13	17	V	3.4	0	2.88	10
401430175	2013	1	13	18	V	4.3	0	3.01	23
401430175	2013	1	13	19	V	2.9	0	2.13	18
401430175	2013	1	13	20	V	2.4	0	1.62	9
401430175	2013	1	13	21	V	2.6	0	1.81	3
401430175	2013	1	13	22	V	3.5	0	0.77	4
401430175	2013	1	13	23	V	4.1	0	0.91	4
401430175	2013	1	13	24	V	3.9	0	0.79	307
401430175	2013	1	14	1	V	2.6	0	1.04	317
401430175	2013	1	14	2	V	2.4	0	1.59	335
401430175	2013	1	14	3	V	2.1	0	1.18	5
401430175	2013	1	14	4	V	1.9	0	2.06	10
401430175	2013	1	14	5	V	2.1	0	2.28	8
401430175	2013	1	14	6	V	2.0	0	2.18	4
401430175	2013	1	14	7	V	1.6	0	2.57	5
401430175	2013	1	14	8	V	2.3	0	3.1	15
401430175	2013	1	14	9	V	2.1	0	2.56	21
401430175	2013	1	14	10	V	6.4	0	2.93	41
401430175	2013	1	14	11	V	2.9	0	4.63	59
401430175	2013	1	14	12	V	7.7	1	4.59	50
401430175	2013	1	14	13	V	9.1	1	4.49	49
401430175	2013	1	14	14	V	7.0	1	4.34	42
401430175	2013	1	14	15	V	5.6	1	4.22	47
401430175	2013	1	14	16	V	7.8	3	4.27	44
401430175	2013	1	14	17	V	6.8	2	4.24	43
401430175	2013	1	14	18	V	4.3	4	3.8	30
401430175	2013	1	14	19	V	2.9	5	3.47	26
401430175	2013	1	14	20	V	2.4	0	3.52	33
401430175	2013	1	14	21	V	2.6	0	3.95	26
401430175	2013	1	14	22	V	2.6	0	4.07	32
401430175	2013	1	14	23	V	3.7	0	2.96	23
401430175	2013	1	14	24	V	3.2	0	2.93	24
401430175	2013	1	15	1	V	2.3	0	3.3	24
401430175	2013	1	15	2	V	2.4	0	2.83	19
401430175	2013	1	15	3	V	1.8	0	3.05	11
401430175	2013	1	15	4	V	1.9	0	2.81	12
401430175	2013	1	15	5	V	2.1	0	2.39	13
401430175	2013	1	15	6	V	1.9	0	2.96	18
401430175	2013	1	15	7	V	1.6	0	2.47	16
401430175	2013	1	15	8	V	2.4	0	1.72	13
401430175	2013	1	15	9	V	2.0	0	2.21	15
401430175	2013	1	15	10	V	3.1	0	2.76	3
401430175	2013	1	15	11	V	2.9	0	3.97	9
401430175	2013	1	15	12	V	5.4	1	3.85	6
401430175	2013	1	15	13	V	6.3	1	3.68	6
401430175	2013	1	15	14	V	2.9	3	4.1	9

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	15	15	V	1.9	1	4.05	14
401430175	2013	1	15	16	V	3.2	0	3.56	11
401430175	2013	1	15	17	V	3.4	0	2.93	9
401430175	2013	1	15	18	V	4.3	0	2.4	7
401430175	2013	1	15	19	V	2.9	0	2.16	2
401430175	2013	1	15	20	V	2.5	0	1.4	351
401430175	2013	1	15	21	V	2.7	0	1.35	321
401430175	2013	1	15	22	V	3.2	0	0.89	297
401430175	2013	1	15	23	V	4.4	0	0.8	294
401430175	2013	1	15	24	V	4.8	0	0.6	304
401430175	2013	1	16	1	V	3.0	0	0.79	274
401430175	2013	1	16	2	V	4.5	0	0.53	310
401430175	2013	1	16	3	V	6.5	0	0.62	245
401430175	2013	1	16	4	V	17.5	0	0.87	222
401430175	2013	1	16	5	V	2.5	0	0.92	257
401430175	2013	1	16	6	V	16.0	1	0.74	229
401430175	2013	1	16	7	V	12.3	1	1.21	227
401430175	2013	1	16	8	V	17.1	1	0.92	214
401430175	2013	1	16	9	V	6.1	2	1.42	206
401430175	2013	1	16	10	V	8.1	4	1.53	193
401430175	2013	1	16	11	V	5.2	1	2.3	241
401430175	2013	1	16	12	V	8.7	1	3.1	235
401430175	2013	1	16	13	V	15.0	0	3.56	222
401430175	2013	1	16	14	V	9.8	0	3.1	227
401430175	2013	1	16	15	V	2.0	0	2.57	278
401430175	2013	1	16	16	V	3.3	0	2.35	272
401430175	2013	1	16	17	V	3.4	0	1.93	271
401430175	2013	1	16	18	V	4.4	0	1.2	265
401430175	2013	1	16	19	V	3.1	0	1.26	288
401430175	2013	1	16	20	V	17.7	1	0.94	224
401430175	2013	1	16	21	V	9.1	1	0.57	242
401430175	2013	1	16	22	V	4.3	1	0.58	286
401430175	2013	1	16	23	C	-999	2	0	0
401430175	2013	1	16	24	V	20.5	1	0.55	205
401430175	2013	1	17	1	C	-999	1	0	0
401430175	2013	1	17	2	V	8.4	1	0.55	243
401430175	2013	1	17	3	C	-999	1	0	0
401430175	2013	1	17	4	C	-999	1	0	0
401430175	2013	1	17	5	V	2.1	0	1.82	5
401430175	2013	1	17	6	V	2.0	0	5.5	11
401430175	2013	1	17	7	V	1.6	0	4.12	13
401430175	2013	1	17	8	V	2.4	0	3.17	11
401430175	2013	1	17	9	V	2.0	0	4.88	13
401430175	2013	1	17	10	V	3.0	0	5.19	10
401430175	2013	1	17	11	V	2.9	1	4.85	14
401430175	2013	1	17	12	V	5.4	0	4.9	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	17	13	V	6.2	0	5.11	15
401430175	2013	1	17	14	V	2.9	0	5.36	13
401430175	2013	1	17	15	V	1.9	0	4.94	9
401430175	2013	1	17	16	V	3.2	0	4.32	16
401430175	2013	1	17	17	V	3.4	0	3.71	24
401430175	2013	1	17	18	V	5.1	0	2.15	37
401430175	2013	1	17	19	C	-999	0	0	0
401430175	2013	1	17	20	C	-999	1	0	0
401430175	2013	1	17	21	V	22.0	1	0.58	220
401430175	2013	1	17	22	V	3.5	1	0.77	258
401430175	2013	1	17	23	C	-999	1	0	0
401430175	2013	1	17	24	V	22.5	1	0.6	213
401430175	2013	1	18	1	V	21.1	1	0.63	222
401430175	2013	1	18	2	V	22.0	1	0.6	215
401430175	2013	1	18	3	C	-999	1	0	0
401430175	2013	1	18	4	C	-999	1	0	0
401430175	2013	1	18	5	C	-999	1	0	0
401430175	2013	1	18	6	V	3.9	1	0.55	299
401430175	2013	1	18	7	C	-999	1	0	0
401430175	2013	1	18	8	C	-999	2	0	0
401430175	2013	1	18	9	V	7.2	8	1.28	204
401430175	2013	1	18	10	V	7.1	14	4.03	195
401430175	2013	1	18	11	V	4.9	13	6.46	186
401430175	2013	1	18	12	V	8.9	3	7.11	195
401430175	2013	1	18	13	V	10.8	2	7.88	197
401430175	2013	1	18	14	V	5.3	8	7.23	191
401430175	2013	1	18	15	V	4.3	3	7.26	191
401430175	2013	1	18	16	V	5.5	3	7.25	191
401430175	2013	1	18	17	V	4.9	3	6.47	190
401430175	2013	1	18	18	V	5.0	2	5.04	186
401430175	2013	1	18	19	V	4.2	2	4.46	181
401430175	2013	1	18	20	V	5.1	6	3.73	175
401430175	2013	1	18	21	V	3.4	1	1.77	187
401430175	2013	1	18	22	V	3.2	1	2.01	188
401430175	2013	1	18	23	V	9.2	1	1.64	176
401430175	2013	1	18	24	V	10.0	7	1.4	167
401430175	2013	1	19	1	V	2.4	9	1.62	144
401430175	2013	1	19	2	V	2.6	6	2.1	157
401430175	2013	1	19	3	V	2.2	2	3.59	192
401430175	2013	1	19	4	V	2.1	3	4.31	195
401430175	2013	1	19	5	V	2.3	7	4.05	194
401430175	2013	1	19	6	V	2.4	6	3.81	188
401430175	2013	1	19	7	V	3.8	3	3.3	178
401430175	2013	1	19	8	V	3.0	4	4.71	186
401430175	2013	1	19	9	V	2.6	3	4.85	193
401430175	2013	1	19	10	V	8.2	7	4.34	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	19	11	V	10.5	30	4.99	215
401430175	2013	1	19	12	V	12.9	14	4.05	217
401430175	2013	1	19	13	V	15.8	2	3.01	217
401430175	2013	1	19	14	V	12.5	11	3.13	215
401430175	2013	1	19	15	V	11.8	10	3.59	217
401430175	2013	1	19	16	V	10.9	6	3.15	227
401430175	2013	1	19	17	V	11.6	12	3.12	216
401430175	2013	1	19	18	V	4.3	3	1.77	250
401430175	2013	1	19	19	V	3.1	1	1.03	291
401430175	2013	1	19	20	V	3.2	1	0.74	268
401430175	2013	1	19	21	C	-999	1	0	0
401430175	2013	1	19	22	V	4.9	1	0.52	262
401430175	2013	1	19	23	C	-999	1	0	0
401430175	2013	1	19	24	C	-999	1	0	0
401430175	2013	1	20	1	V	2.7	1	0.96	25
401430175	2013	1	20	2	V	3.8	0	0.63	35
401430175	2013	1	20	3	V	3.8	0	0.6	43
401430175	2013	1	20	4	V	1.9	0	2.05	10
401430175	2013	1	20	5	V	2.1	0	2.78	14
401430175	2013	1	20	6	V	2.0	0	2.3	21
401430175	2013	1	20	7	V	1.6	0	2.74	15
401430175	2013	1	20	8	V	2.4	0	2.64	21
401430175	2013	1	20	9	V	2.0	0	2.78	29
401430175	2013	1	20	10	V	5.2	0	4.2	38
401430175	2013	1	20	11	V	4.3	1	3.32	54
401430175	2013	1	20	12	V	5.5	1	3.61	113
401430175	2013	1	20	13	V	6.3	1	3.2	135
401430175	2013	1	20	14	V	3.1	1	3.66	147
401430175	2013	1	20	15	V	6.1	1	3.18	168
401430175	2013	1	20	16	V	8.8	5	2.15	197
401430175	2013	1	20	17	V	5.5	4	0.84	167
401430175	2013	1	20	18	V	4.3	2	2.23	21
401430175	2013	1	20	19	V	2.9	0	5.14	18
401430175	2013	1	20	20	V	2.4	0	6.91	24
401430175	2013	1	20	21	V	2.6	0	6.75	24
401430175	2013	1	20	22	V	2.7	0	6.79	23
401430175	2013	1	20	23	V	3.7	1	6.86	21
401430175	2013	1	20	24	V	3.2	1	5.77	14
401430175	2013	1	21	1	V	2.3	1	4.85	16
401430175	2013	1	21	2	V	2.4	1	5	15
401430175	2013	1	21	3	V	1.9	1	5.22	22
401430175	2013	1	21	4	V	1.9	0	4.95	19
401430175	2013	1	21	5	V	2.1	0	4.32	18
401430175	2013	1	21	6	V	2.0	0	3.74	20
401430175	2013	1	21	7	V	1.6	0	3.59	15
401430175	2013	1	21	8	V	2.3	0	3.97	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	21	9	V	2.0	0	3.83	23
401430175	2013	1	21	10	V	3.0	0	4.73	24
401430175	2013	1	21	11	V	2.9	2	4.24	24
401430175	2013	1	21	12	V	5.7	12	3.98	32
401430175	2013	1	21	13	V	6.5	2	3.37	29
401430175	2013	1	21	14	V	3.0	2	3.8	27
401430175	2013	1	21	15	V	2.2	0	3.93	32
401430175	2013	1	21	16	V	3.3	0	4.31	32
401430175	2013	1	21	17	V	3.4	0	4.12	33
401430175	2013	1	21	18	V	5.3	1	3.22	39
401430175	2013	1	21	19	V	2.9	4	2.66	28
401430175	2013	1	21	20	V	2.3	2	3.3	62
401430175	2013	1	21	21	V	2.6	0	2.25	31
401430175	2013	1	21	22	V	2.7	0	2.3	22
401430175	2013	1	21	23	V	6.4	0	1.62	49
401430175	2013	1	21	24	V	3.4	0	2.13	36
401430175	2013	1	22	1	V	2.3	0	2.98	28
401430175	2013	1	22	2	V	2.4	0	2.49	31
401430175	2013	1	22	3	V	2.0	0	1.43	22
401430175	2013	1	22	4	V	1.9	0	1.79	17
401430175	2013	1	22	5	V	2.5	0	1.47	35
401430175	2013	1	22	6	V	2.0	0	2.08	15
401430175	2013	1	22	7	V	1.8	0	1.21	19
401430175	2013	1	22	8	V	3.5	0	0.7	339
401430175	2013	1	22	9	V	3.7	1	0.62	47
401430175	2013	1	22	10	M	-999	-999	2.04	135
401430175	2013	1	22	11	M	-999	-999	3.54	176
401430175	2013	1	22	12	M	-999	-999	5.04	191
401430175	2013	1	22	13	M	-999	-999	2.1	194
401430175	2013	1	22	14	M	-999	-999	2.11	176
401430175	2013	1	22	15	M	-999	-999	3.52	175
401430175	2013	1	22	16	M	-999	-999	3.68	185
401430175	2013	1	22	17	M	-999	-999	3.13	193
401430175	2013	1	22	18	V	7.0	2	2.01	178
401430175	2013	1	22	19	V	3.1	1	1.14	84
401430175	2013	1	22	20	V	2.6	1	1.23	130
401430175	2013	1	22	21	V	8.0	1	1.71	168
401430175	2013	1	22	22	V	4.8	1	0.94	155
401430175	2013	1	22	23	V	11.4	1	0.96	199
401430175	2013	1	22	24	V	7.0	0	1.13	189
401430175	2013	1	23	1	V	7.3	0	1.01	161
401430175	2013	1	23	2	V	5.4	1	1.26	191
401430175	2013	1	23	3	V	4.5	1	1.54	198
401430175	2013	1	23	4	V	7.2	0	1.14	197
401430175	2013	1	23	5	V	4.1	0	0.53	298
401430175	2013	1	23	6	V	18.9	1	0.65	226

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	23	7	V	6.3	2	1.43	206
401430175	2013	1	23	8	V	11.1	2	0.75	185
401430175	2013	1	23	9	V	8.6	1	1.33	177
401430175	2013	1	23	10	V	6.4	6	1.65	163
401430175	2013	1	23	11	V	6.4	3	1.86	163
401430175	2013	1	23	12	V	9.6	7	2.55	182
401430175	2013	1	23	13	V	10.5	6	2.54	185
401430175	2013	1	23	14	V	7.4	3	1.94	173
401430175	2013	1	23	15	V	2.0	1	2.44	135
401430175	2013	1	23	16	V	3.2	1	2.86	125
401430175	2013	1	23	17	V	3.4	1	2.04	135
401430175	2013	1	23	18	V	4.4	1	1.28	74
401430175	2013	1	23	19	V	3.1	2	1.25	13
401430175	2013	1	23	20	V	2.4	2	1.74	16
401430175	2013	1	23	21	V	2.6	1	2.86	23
401430175	2013	1	23	22	V	2.7	1	2.81	24
401430175	2013	1	23	23	V	3.7	3	2.64	29
401430175	2013	1	23	24	V	3.2	2	3.83	24
401430175	2013	1	24	1	V	2.3	3	5.51	28
401430175	2013	1	24	2	V	2.4	3	5.38	26
401430175	2013	1	24	3	V	1.9	5	6.09	28
401430175	2013	1	24	4	V	1.9	4	6.11	30
401430175	2013	1	24	5	V	2.1	3	5.9	25
401430175	2013	1	24	6	V	2.0	2	5.62	28
401430175	2013	1	24	7	V	1.6	3	5.17	28
401430175	2013	1	24	8	V	2.4	1	5.39	32
401430175	2013	1	24	9	V	2.6	1	5.51	36
401430175	2013	1	24	10	V	3.0	1	6.14	29
401430175	2013	1	24	11	V	2.9	2	5.79	32
401430175	2013	1	24	12	V	6.3	1	5.11	36
401430175	2013	1	24	13	V	6.2	2	4.46	17
401430175	2013	1	24	14	V	2.9	4	4.59	19
401430175	2013	1	24	15	V	1.9	4	3.93	23
401430175	2013	1	24	16	V	3.2	3	3.01	12
401430175	2013	1	24	17	V	3.4	2	2.16	360
401430175	2013	1	24	18	V	4.3	1	2.13	331
401430175	2013	1	24	19	V	3.2	0	1.04	346
401430175	2013	1	24	20	V	2.4	0	2.5	323
401430175	2013	1	24	21	V	2.6	0	2.11	335
401430175	2013	1	24	22	V	2.7	0	2.23	334
401430175	2013	1	24	23	V	3.7	0	2.03	341
401430175	2013	1	24	24	V	3.3	0	1.33	349
401430175	2013	1	25	1	V	2.5	0	1.25	348
401430175	2013	1	25	2	V	2.5	0	1.28	343
401430175	2013	1	25	3	V	2.0	0	1.33	307
401430175	2013	1	25	4	V	1.9	0	1.98	320

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	25	5	V	2.1	0	1.76	332
401430175	2013	1	25	6	V	2.0	0	1.55	314
401430175	2013	1	25	7	V	1.6	0	1.89	329
401430175	2013	1	25	8	V	2.4	0	1.7	341
401430175	2013	1	25	9	V	2.0	0	1.88	335
401430175	2013	1	25	10	V	3.2	1	1.96	345
401430175	2013	1	25	11	V	3.0	1	2.27	356
401430175	2013	1	25	12	V	5.7	0	3.32	29
401430175	2013	1	25	13	V	6.4	0	3.71	28
401430175	2013	1	25	14	V	2.9	0	3.78	25
401430175	2013	1	25	15	V	2.0	0	3.01	19
401430175	2013	1	25	16	V	4.4	0	2.18	33
401430175	2013	1	25	17	V	9.1	0	2.27	48
401430175	2013	1	25	18	V	5.6	0	1.14	52
401430175	2013	1	25	19	V	4.2	5	0.63	65
401430175	2013	1	25	20	V	4.0	7	0.58	286
401430175	2013	1	25	21	V	3.5	4	0.74	334
401430175	2013	1	25	22	V	4.5	3	0.57	263
401430175	2013	1	25	23	C	-999	2	0	0
401430175	2013	1	25	24	V	3.7	1	0.91	2
401430175	2013	1	26	1	V	2.3	1	1.82	11
401430175	2013	1	26	2	V	2.4	0	1.64	22
401430175	2013	1	26	3	V	2.1	0	1.16	23
401430175	2013	1	26	4	V	2.2	0	0.97	1
401430175	2013	1	26	5	V	2.1	0	2.55	29
401430175	2013	1	26	6	V	2.1	0	1.37	356
401430175	2013	1	26	7	V	4.5	0	0.75	245
401430175	2013	1	26	8	C	-999	0	0	0
401430175	2013	1	26	9	C	-999	1	0	0
401430175	2013	1	26	10	V	4.5	1	1.11	142
401430175	2013	1	26	11	V	4.1	0	2.88	154
401430175	2013	1	26	12	V	5.4	0	3.86	137
401430175	2013	1	26	13	V	6.2	0	5.11	135
401430175	2013	1	26	14	V	2.9	1	4.68	143
401430175	2013	1	26	15	V	7.6	1	4.68	171
401430175	2013	1	26	16	V	7.6	0	3.71	178
401430175	2013	1	26	17	V	6.9	6	4.56	173
401430175	2013	1	26	18	V	6.2	3	4.25	163
401430175	2013	1	26	19	V	2.9	1	4	144
401430175	2013	1	26	20	V	2.4	1	3.44	149
401430175	2013	1	26	21	V	2.7	1	3.56	150
401430175	2013	1	26	22	V	2.8	1	4.02	151
401430175	2013	1	26	23	V	4.3	1	3.86	156
401430175	2013	1	26	24	V	4.5	1	4.37	160
401430175	2013	1	27	1	V	5.4	6	4.36	171
401430175	2013	1	27	2	V	4.1	3	3.76	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	27	3	V	3.4	0	4.68	161
401430175	2013	1	27	4	V	5.4	3	5.58	169
401430175	2013	1	27	5	V	5.2	10	4.96	175
401430175	2013	1	27	6	V	5.9	4	5.96	171
401430175	2013	1	27	7	V	4.6	12	4.34	171
401430175	2013	1	27	8	V	5.5	14	4.6	173
401430175	2013	1	27	9	V	5.3	16	4.95	175
401430175	2013	1	27	10	V	6.7	15	5.34	176
401430175	2013	1	27	11	V	6.7	15	4.97	175
401430175	2013	1	27	12	V	8.1	1	5.46	191
401430175	2013	1	27	13	V	8.3	6	6.92	189
401430175	2013	1	27	14	V	4.4	4	6.91	189
401430175	2013	1	27	15	V	3.6	2	7.08	190
401430175	2013	1	27	16	V	4.6	6	7.84	189
401430175	2013	1	27	17	V	4.7	13	7.76	184
401430175	2013	1	27	18	V	8.6	17	6.82	177
401430175	2013	1	27	19	V	5.8	14	4.42	168
401430175	2013	1	27	20	V	5.0	12	4.29	166
401430175	2013	1	27	21	V	4.2	16	4.02	162
401430175	2013	1	27	22	V	3.1	12	3.29	154
401430175	2013	1	27	23	V	3.7	8	2.74	150
401430175	2013	1	27	24	V	3.5	4	2.42	155
401430175	2013	1	28	1	V	2.3	6	2.25	147
401430175	2013	1	28	2	V	2.5	3	1.18	108
401430175	2013	1	28	3	V	2.5	9	4.83	196
401430175	2013	1	28	4	V	4.2	2	6.45	198
401430175	2013	1	28	5	V	4.4	3	6.57	200
401430175	2013	1	28	6	V	3.0	2	5.85	200
401430175	2013	1	28	7	V	2.4	1	5.72	197
401430175	2013	1	28	8	V	3.1	1	5.89	195
401430175	2013	1	28	9	V	6.1	1	6.69	196
401430175	2013	1	28	10	V	7.3	3	7.52	197
401430175	2013	1	28	11	V	6.4	7	8.08	195
401430175	2013	1	28	12	V	8.0	5	7.72	192
401430175	2013	1	28	13	V	8.1	6	6.94	183
401430175	2013	1	28	14	V	5.1	11	6.89	182
401430175	2013	1	28	15	V	3.4	9	7.42	189
401430175	2013	1	28	16	V	4.4	6	8.27	188
401430175	2013	1	28	17	V	5.8	7	7.06	181
401430175	2013	1	28	18	V	9.8	21	7.15	171
401430175	2013	1	28	19	V	6.7	10	6.18	168
401430175	2013	1	28	20	V	5.5	2	5.84	167
401430175	2013	1	28	21	V	6.5	14	6.02	171
401430175	2013	1	28	22	V	6.4	16	5.99	176
401430175	2013	1	28	23	V	7.3	15	5.68	170
401430175	2013	1	28	24	V	7.4	11	6.67	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	29	1	V	6.0	14	6.55	178
401430175	2013	1	29	2	V	4.5	12	7.25	183
401430175	2013	1	29	3	V	3.1	3	6.67	186
401430175	2013	1	29	4	V	5.0	18	6.64	179
401430175	2013	1	29	5	V	3.9	21	6.3	182
401430175	2013	1	29	6	V	3.1	16	6.13	185
401430175	2013	1	29	7	V	4.1	19	6.26	180
401430175	2013	1	29	8	V	7.0	20	7.55	178
401430175	2013	1	29	9	V	4.1	12	7.69	182
401430175	2013	1	29	10	V	4.2	3	7.67	185
401430175	2013	1	29	11	V	9.2	3	7.94	207
401430175	2013	1	29	12	V	5.4	0	3.15	352
401430175	2013	1	29	13	V	6.3	1	2.86	27
401430175	2013	1	29	14	V	7.3	1	3.5	43
401430175	2013	1	29	15	M	-999	1	999	999
401430175	2013	1	29	16	V	5.8	1	1.02	163
401430175	2013	1	29	17	V	3.3	1	2.4	129
401430175	2013	1	29	18	V	4.3	1	3.68	301
401430175	2013	1	29	19	V	2.9	0	4.08	320
401430175	2013	1	29	20	V	2.4	0	2.61	331
401430175	2013	1	29	21	V	2.6	0	3.46	6
401430175	2013	1	29	22	V	2.7	0	1.99	294
401430175	2013	1	29	23	V	3.7	0	3.27	293
401430175	2013	1	29	24	V	3.2	0	3.05	303
401430175	2013	1	30	1	V	2.3	0	2.86	296
401430175	2013	1	30	2	V	2.4	0	2.69	299
401430175	2013	1	30	3	V	1.9	0	2.61	284
401430175	2013	1	30	4	V	1.9	0	3.46	304
401430175	2013	1	30	5	V	2.1	0	4.34	307
401430175	2013	1	30	6	V	2.0	0	4.68	306
401430175	2013	1	30	7	V	1.6	0	4.87	316
401430175	2013	1	30	8	V	2.4	0	4.44	321
401430175	2013	1	30	9	V	2.0	0	5.38	323
401430175	2013	1	30	10	V	2.9	0	5.48	331
401430175	2013	1	30	11	V	2.9	0	5.55	325
401430175	2013	1	30	12	V	5.4	0	5.1	317
401430175	2013	1	30	13	V	6.2	0	5.36	321
401430175	2013	1	30	14	V	2.9	0	5	308
401430175	2013	1	30	15	V	1.9	0	5.39	306
401430175	2013	1	30	16	V	3.2	0	5.31	300
401430175	2013	1	30	17	V	3.4	0	4.37	300
401430175	2013	1	30	18	V	4.3	0	2.28	303
401430175	2013	1	30	19	V	3.2	0	0.91	327
401430175	2013	1	30	20	V	2.8	0	0.89	270
401430175	2013	1	30	21	V	3.4	0	0.77	280
401430175	2013	1	30	22	V	4.8	0	0.55	260

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	1	30	23	V	8.3	1	1.03	236
401430175	2013	1	30	24	V	4.2	1	0.72	5
401430175	2013	1	31	1	V	2.7	1	0.96	274
401430175	2013	1	31	2	V	18.6	1	0.77	225
401430175	2013	1	31	3	V	10.6	1	0.96	232
401430175	2013	1	31	4	V	12.2	1	0.77	233
401430175	2013	1	31	5	V	9.9	1	0.77	236
401430175	2013	1	31	6	V	17.7	1	0.94	217
401430175	2013	1	31	7	V	13.2	1	0.79	231
401430175	2013	1	31	8	V	10.5	2	0.99	201
401430175	2013	1	31	9	V	7.4	3	1.86	203
401430175	2013	1	31	10	V	3.4	1	1.5	275
401430175	2013	1	31	11	V	3.2	1	2.04	307
401430175	2013	1	31	12	V	5.5	0	3.29	334
401430175	2013	1	31	13	V	6.2	0	5.05	19
401430175	2013	1	31	14	V	2.9	0	6.5	21
401430175	2013	1	31	15	V	1.8	0	7.88	23
401430175	2013	1	31	16	V	3.1	0	8.11	18
401430175	2013	1	31	17	V	3.3	0	7.45	18
401430175	2013	1	31	18	V	4.3	0	6.5	18
401430175	2013	1	31	19	V	2.9	0	4.09	14
401430175	2013	1	31	20	V	2.4	0	3.52	10
401430175	2013	1	31	21	V	2.6	0	3.9	11
401430175	2013	1	31	22	V	2.7	0	4.42	13
401430175	2013	1	31	23	V	3.7	0	5.19	20
401430175	2013	1	31	24	V	3.2	0	4.77	27
401430175	2013	2	1	1	V	2.3	0	4.8	20
401430175	2013	2	1	2	V	2.4	0	4.36	28
401430175	2013	2	1	3	V	7.9	0	3.24	43
401430175	2013	2	1	4	V	6.8	0	3.85	43
401430175	2013	2	1	5	V	2.0	0	3.34	57
401430175	2013	2	1	6	V	2.0	0	2.67	67
401430175	2013	2	1	7	V	1.6	0	2.44	81
401430175	2013	2	1	8	V	2.4	0	2.59	65
401430175	2013	2	1	9	V	2.1	0	2.13	74
401430175	2013	2	1	10	V	3.2	0	2.39	109
401430175	2013	2	1	11	V	3.1	1	2.45	126
401430175	2013	2	1	12	V	6.1	1	2.91	150
401430175	2013	2	1	13	V	6.3	3	3.35	142
401430175	2013	2	1	14	V	3.0	2	3.73	143
401430175	2013	2	1	15	V	2.2	1	4.78	151
401430175	2013	2	1	16	V	3.7	0	4.82	154
401430175	2013	2	1	17	V	3.7	0	4.83	155
401430175	2013	2	1	18	V	4.3	0	3.8	147
401430175	2013	2	1	19	V	2.9	0	2.1	132
401430175	2013	2	1	20	V	2.5	0	1.35	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	1	21	V	2.9	1	1.08	340
401430175	2013	2	1	22	V	4.8	1	0.55	323
401430175	2013	2	1	23	V	11.5	1	0.87	235
401430175	2013	2	1	24	V	10.4	1	1.76	221
401430175	2013	2	2	1	V	9.4	3	1.54	215
401430175	2013	2	2	2	V	19.8	1	0.96	218
401430175	2013	2	2	3	V	4.0	1	0.53	357
401430175	2013	2	2	4	V	3.4	1	0.63	286
401430175	2013	2	2	5	V	3.9	1	0.6	263
401430175	2013	2	2	6	V	14.6	1	0.86	230
401430175	2013	2	2	7	V	3.8	1	0.75	248
401430175	2013	2	2	8	V	19.1	1	0.89	223
401430175	2013	2	2	9	V	6.1	1	0.67	172
401430175	2013	2	2	10	V	3.2	1	2.08	294
401430175	2013	2	2	11	V	2.9	0	4.14	3
401430175	2013	2	2	12	V	5.5	0	3.34	14
401430175	2013	2	2	13	V	6.9	0	3.23	31
401430175	2013	2	2	14	V	3.2	0	2.2	358
401430175	2013	2	2	15	V	2.1	0	2.32	288
401430175	2013	2	2	16	V	3.3	0	2.96	294
401430175	2013	2	2	17	V	3.4	0	3.3	288
401430175	2013	2	2	18	V	4.3	0	2.2	282
401430175	2013	2	2	19	V	6.2	0	1.26	235
401430175	2013	2	2	20	V	2.6	0	1.2	251
401430175	2013	2	2	21	V	2.8	0	1.26	256
401430175	2013	2	2	22	V	2.7	0	1.57	252
401430175	2013	2	2	23	V	3.9	0	1.13	264
401430175	2013	2	2	24	V	3.4	0	1.11	259
401430175	2013	2	3	1	V	2.3	0	1.84	255
401430175	2013	2	3	2	V	2.4	0	1.94	269
401430175	2013	2	3	3	V	1.9	0	1.82	282
401430175	2013	2	3	4	V	1.9	0	1.57	305
401430175	2013	2	3	5	V	2.5	0	0.91	318
401430175	2013	2	3	6	V	2.1	0	1.3	327
401430175	2013	2	3	7	V	1.6	0	3.15	350
401430175	2013	2	3	8	V	2.4	0	3.24	13
401430175	2013	2	3	9	V	2.1	0	2.76	18
401430175	2013	2	3	10	V	3.0	0	4.56	26
401430175	2013	2	3	11	V	5.6	0	3.12	48
401430175	2013	2	3	12	V	5.8	4	2.16	77
401430175	2013	2	3	13	V	6.4	3	2.69	132
401430175	2013	2	3	14	V	3.2	0	3.39	144
401430175	2013	2	3	15	V	2.0	0	4.32	144
401430175	2013	2	3	16	V	3.4	0	4.37	148
401430175	2013	2	3	17	V	8.5	1	4.15	167
401430175	2013	2	3	18	V	6.8	1	2.95	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	3	19	V	3.6	0	2.13	160
401430175	2013	2	3	20	V	2.7	1	1.89	157
401430175	2013	2	3	21	V	6.3	0	2.54	169
401430175	2013	2	3	22	V	5.4	3	3.64	177
401430175	2013	2	3	23	V	6.3	18	3.86	176
401430175	2013	2	3	24	V	6.5	7	3.08	168
401430175	2013	2	4	1	V	3.2	17	2.76	162
401430175	2013	2	4	2	V	2.4	15	2.42	143
401430175	2013	2	4	3	V	4.1	11	2.15	163
401430175	2013	2	4	4	V	2.0	6	2.01	156
401430175	2013	2	4	5	V	3.0	4	2.3	183
401430175	2013	2	4	6	V	2.6	6	1.89	188
401430175	2013	2	4	7	V	2.5	4	1.67	188
401430175	2013	2	4	8	V	3.1	3	3.15	194
401430175	2013	2	4	9	V	3.9	13	3.05	192
401430175	2013	2	4	10	V	9.7	12	3.39	202
401430175	2013	2	4	11	V	13.6	6	3.56	219
401430175	2013	2	4	12	V	13.6	2	3.46	226
401430175	2013	2	4	13	V	6.4	1	2.71	273
401430175	2013	2	4	14	V	3.1	1	2.83	308
401430175	2013	2	4	15	V	1.9	1	4.14	1
401430175	2013	2	4	16	V	3.2	1	5.07	10
401430175	2013	2	4	17	V	3.4	1	4.9	12
401430175	2013	2	4	18	V	4.3	1	3.75	7
401430175	2013	2	4	19	V	2.9	1	2.76	14
401430175	2013	2	4	20	V	2.4	1	3.29	13
401430175	2013	2	4	21	V	2.6	1	4.43	14
401430175	2013	2	4	22	V	2.7	0	2.79	18
401430175	2013	2	4	23	V	3.8	0	1.72	34
401430175	2013	2	4	24	V	3.2	0	2.59	10
401430175	2013	2	5	1	V	2.3	0	1.98	10
401430175	2013	2	5	2	V	2.4	0	1.55	10
401430175	2013	2	5	3	V	2.2	0	1.04	347
401430175	2013	2	5	4	V	4.0	0	0.55	267
401430175	2013	2	5	5	V	2.6	0	0.91	11
401430175	2013	2	5	6	V	3.4	0	0.65	280
401430175	2013	2	5	7	V	2.2	1	0.87	272
401430175	2013	2	5	8	V	15.1	2	0.55	235
401430175	2013	2	5	9	V	7.2	2	0.57	193
401430175	2013	2	5	10	V	6.8	14	1.06	157
401430175	2013	2	5	11	V	7.7	35	1.88	170
401430175	2013	2	5	12	V	9.6	39	1.45	161
401430175	2013	2	5	13	V	10.6	24	1.16	163
401430175	2013	2	5	14	V	4.9	1	1.37	41
401430175	2013	2	5	15	V	2.1	1	2.33	325
401430175	2013	2	5	16	V	3.5	2	1.84	329

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	5	17	V	3.5	2	1.76	307
401430175	2013	2	5	18	V	4.3	1	1.94	3
401430175	2013	2	5	19	V	3.7	1	0.79	335
401430175	2013	2	5	20	V	2.4	1	1.57	17
401430175	2013	2	5	21	V	3.3	1	0.82	29
401430175	2013	2	5	22	V	11.0	1	0.84	235
401430175	2013	2	5	23	V	4.7	1	0.75	290
401430175	2013	2	5	24	V	4.0	1	0.79	275
401430175	2013	2	6	1	V	2.7	1	0.96	357
401430175	2013	2	6	2	V	3.0	1	0.87	354
401430175	2013	2	6	3	V	5.4	1	0.69	246
401430175	2013	2	6	4	V	3.0	1	0.7	266
401430175	2013	2	6	5	V	3.9	1	0.58	352
401430175	2013	2	6	6	V	3.4	1	0.75	252
401430175	2013	2	6	7	V	22.2	1	0.63	223
401430175	2013	2	6	8	V	6.3	2	0.57	249
401430175	2013	2	6	9	V	7.0	2	0.65	244
401430175	2013	2	6	10	V	6.9	1	2.62	166
401430175	2013	2	6	11	V	3.7	-999	4.37	154
401430175	2013	2	6	12	V	5.6	0	4.31	149
401430175	2013	2	6	13	V	7.6	0	5.44	158
401430175	2013	2	6	14	V	5.7	2	6.23	163
401430175	2013	2	6	15	V	5.3	5	6.57	165
401430175	2013	2	6	16	V	5.4	1	6.35	162
401430175	2013	2	6	17	V	5.7	0	6.16	162
401430175	2013	2	6	18	V	6.8	1	5.65	163
401430175	2013	2	6	19	V	4.4	0	4.2	162
401430175	2013	2	6	20	V	3.9	0	4.82	160
401430175	2013	2	6	21	V	5.4	0	4.76	166
401430175	2013	2	6	22	V	4.3	0	4.03	161
401430175	2013	2	6	23	V	5.4	0	4.48	161
401430175	2013	2	6	24	V	6.6	0	4.48	169
401430175	2013	2	7	1	V	4.9	0	4.12	165
401430175	2013	2	7	2	V	5.5	11	3.98	175
401430175	2013	2	7	3	V	5.3	4	4.2	170
401430175	2013	2	7	4	V	5.2	3	4.19	170
401430175	2013	2	7	5	V	5.4	1	3.98	170
401430175	2013	2	7	6	V	5.0	5	3.59	167
401430175	2013	2	7	7	V	3.0	0	3.22	159
401430175	2013	2	7	8	V	2.6	0	2.18	154
401430175	2013	2	7	9	V	2.2	0	1.76	108
401430175	2013	2	7	10	V	5.2	0	1.26	37
401430175	2013	2	7	11	V	3.1	1	2.13	141
401430175	2013	2	7	12	V	9.2	3	2.1	163
401430175	2013	2	7	13	V	6.2	0	4.65	360
401430175	2013	2	7	14	V	2.9	0	5.11	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	7	15	V	1.9	0	5.41	5
401430175	2013	2	7	16	V	3.2	0	4.87	3
401430175	2013	2	7	17	V	3.4	0	4.88	3
401430175	2013	2	7	18	V	4.3	0	4.63	350
401430175	2013	2	7	19	V	2.9	0	4.05	358
401430175	2013	2	7	20	V	2.4	0	2.79	358
401430175	2013	2	7	21	V	2.6	0	3.97	351
401430175	2013	2	7	22	V	2.7	0	4.27	2
401430175	2013	2	7	23	V	3.7	0	3.95	2
401430175	2013	2	7	24	V	3.2	0	4.05	5
401430175	2013	2	8	1	V	2.3	0	4.14	5
401430175	2013	2	8	2	V	2.4	0	4.14	7
401430175	2013	2	8	3	V	1.9	0	3.97	1
401430175	2013	2	8	4	V	1.9	0	4.44	8
401430175	2013	2	8	5	V	2.1	0	5.14	24
401430175	2013	2	8	6	V	2.0	0	3.86	13
401430175	2013	2	8	7	V	1.6	0	4.49	16
401430175	2013	2	8	8	V	2.4	0	3.58	30
401430175	2013	2	8	9	V	6.2	0	3.68	44
401430175	2013	2	8	10	V	4.0	0	3.85	54
401430175	2013	2	8	11	V	4.7	1	3.8	36
401430175	2013	2	8	12	V	7.0	3	2.47	32
401430175	2013	2	8	13	V	6.5	4	2.23	6
401430175	2013	2	8	14	V	3.1	2	2.79	20
401430175	2013	2	8	15	V	5.6	2	2.64	46
401430175	2013	2	8	16	V	4.8	3	1.21	35
401430175	2013	2	8	17	V	4.1	3	1.72	57
401430175	2013	2	8	18	V	8.6	0	1.81	48
401430175	2013	2	8	19	V	3.7	0	0.86	32
401430175	2013	2	8	20	V	2.7	0	1.06	19
401430175	2013	2	8	21	C	-999	0	0	0
401430175	2013	2	8	22	C	-999	0	0	0
401430175	2013	2	8	23	C	-999	0	0	0
401430175	2013	2	8	24	V	4.5	0	0.74	254
401430175	2013	2	9	1	C	-999	0	0	0
401430175	2013	2	9	2	V	23.8	0	0.65	218
401430175	2013	2	9	3	V	11.7	0	0.8	183
401430175	2013	2	9	4	V	1.9	0	2.66	135
401430175	2013	2	9	5	V	2.1	0	1.72	137
401430175	2013	2	9	6	V	3.3	0	1.6	160
401430175	2013	2	9	7	V	1.9	0	3.18	156
401430175	2013	2	9	8	V	3.3	0	3.35	157
401430175	2013	2	9	9	V	2.4	0	4.02	152
401430175	2013	2	9	10	V	3.0	0	5.36	149
401430175	2013	2	9	11	V	2.9	0	5.87	146
401430175	2013	2	9	12	V	5.9	0	5.99	155

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	9	13	V	6.2	0	5.19	146
401430175	2013	2	9	14	V	2.9	0	5.14	145
401430175	2013	2	9	15	V	1.9	0	4.37	138
401430175	2013	2	9	16	V	3.2	0	4.48	131
401430175	2013	2	9	17	V	3.4	0	5.72	118
401430175	2013	2	9	18	V	4.3	0	4.68	137
401430175	2013	2	9	19	V	2.9	0	4.49	139
401430175	2013	2	9	20	V	2.6	0	4.43	151
401430175	2013	2	9	21	V	3.1	0	4.36	154
401430175	2013	2	9	22	V	2.7	0	4.03	148
401430175	2013	2	9	23	V	4.1	0	4.25	153
401430175	2013	2	9	24	V	4.2	0	4.39	158
401430175	2013	2	10	1	V	2.9	0	4.41	155
401430175	2013	2	10	2	V	3.2	0	3.4	157
401430175	2013	2	10	3	V	2.3	0	3.57	154
401430175	2013	2	10	4	V	3.8	0	2.71	161
401430175	2013	2	10	5	V	3.7	1	3.01	205
401430175	2013	2	10	6	V	2.6	1	4.12	198
401430175	2013	2	10	7	V	2.9	13	3.51	210
401430175	2013	2	10	8	V	4.4	15	3.27	232
401430175	2013	2	10	9	V	6.4	1	4.31	232
401430175	2013	2	10	10	V	3.1	0	4.87	250
401430175	2013	2	10	11	V	2.9	0	4.29	260
401430175	2013	2	10	12	V	5.4	0	4.53	263
401430175	2013	2	10	13	V	6.4	0	4.78	251
401430175	2013	2	10	14	V	2.9	0	5.1	258
401430175	2013	2	10	15	V	1.9	0	5.33	261
401430175	2013	2	10	16	V	3.2	0	5.51	260
401430175	2013	2	10	17	V	3.4	0	4.31	265
401430175	2013	2	10	18	V	4.3	0	4.36	285
401430175	2013	2	10	19	V	2.9	0	3.73	301
401430175	2013	2	10	20	V	2.4	0	4	320
401430175	2013	2	10	21	V	2.6	0	4.37	330
401430175	2013	2	10	22	V	2.7	0	2.81	330
401430175	2013	2	10	23	V	4.2	0	0.79	322
401430175	2013	2	10	24	V	4.1	0	0.75	308
401430175	2013	2	11	1	V	8.7	0	0.8	238
401430175	2013	2	11	2	V	2.5	0	1.31	319
401430175	2013	2	11	3	V	2.0	0	1.42	307
401430175	2013	2	11	4	V	1.9	0	1.5	306
401430175	2013	2	11	5	V	2.4	0	1.08	251
401430175	2013	2	11	6	V	2.1	0	1.21	308
401430175	2013	2	11	7	V	1.6	0	2.44	333
401430175	2013	2	11	8	V	2.4	0	2.1	343
401430175	2013	2	11	9	V	2.1	0	2.69	346
401430175	2013	2	11	10	V	3.1	0	3.47	360

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	11	11	V	2.9	0	3.8	17
401430175	2013	2	11	12	V	5.5	0	3.46	13
401430175	2013	2	11	13	V	6.5	0	2.88	26
401430175	2013	2	11	14	V	3.7	0	2.49	30
401430175	2013	2	11	15	V	3.9	0	2.25	37
401430175	2013	2	11	16	V	3.3	0	3.08	20
401430175	2013	2	11	17	V	6.5	0	2.9	41
401430175	2013	2	11	18	V	5.4	0	2.2	38
401430175	2013	2	11	19	V	3.0	0	1.57	30
401430175	2013	2	11	20	V	2.7	12	1.06	15
401430175	2013	2	11	21	V	2.7	16	1.52	11
401430175	2013	2	11	22	V	2.7	9	1.55	24
401430175	2013	2	11	23	V	7.9	4	0.87	240
401430175	2013	2	11	24	V	3.6	1	1.03	336
401430175	2013	2	12	1	V	2.9	0	0.89	353
401430175	2013	2	12	2	V	2.4	0	2.35	22
401430175	2013	2	12	3	V	1.9	0	2.67	16
401430175	2013	2	12	4	V	1.9	0	2.3	17
401430175	2013	2	12	5	V	2.1	0	2.18	4
401430175	2013	2	12	6	V	2.0	0	2.69	4
401430175	2013	2	12	7	V	1.6	0	3.01	23
401430175	2013	2	12	8	V	2.4	0	4.41	27
401430175	2013	2	12	9	V	2.0	0	3.74	23
401430175	2013	2	12	10	V	3.2	0	3.34	27
401430175	2013	2	12	11	V	2.9	0	3.64	22
401430175	2013	2	12	12	V	6.7	0	2.86	33
401430175	2013	2	12	13	V	6.5	0	2.04	11
401430175	2013	2	12	14	V	3.1	0	3.18	64
401430175	2013	2	12	15	V	2.1	0	2.2	14
401430175	2013	2	12	16	V	3.4	0	1.93	354
401430175	2013	2	12	17	V	3.5	0	2.69	351
401430175	2013	2	12	18	V	4.3	0	3.24	357
401430175	2013	2	12	19	V	2.9	0	3.81	4
401430175	2013	2	12	20	V	2.4	0	4.03	8
401430175	2013	2	12	21	V	2.6	0	3.18	3
401430175	2013	2	12	22	V	2.7	0	4.17	7
401430175	2013	2	12	23	V	3.7	0	3.18	7
401430175	2013	2	12	24	V	3.2	0	2.15	351
401430175	2013	2	13	1	V	2.3	0	1.64	334
401430175	2013	2	13	2	V	2.6	0	1.04	302
401430175	2013	2	13	3	V	1.9	0	1.53	283
401430175	2013	2	13	4	V	1.9	0	1.57	262
401430175	2013	2	13	5	V	2.1	0	1.71	270
401430175	2013	2	13	6	V	2.0	0	1.96	260
401430175	2013	2	13	7	V	1.7	0	2.4	244
401430175	2013	2	13	8	V	2.5	0	2.56	246

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	13	9	V	5.0	0	3.12	233
401430175	2013	2	13	10	V	3.3	0	3.08	247
401430175	2013	2	13	11	V	3.0	0	3.13	252
401430175	2013	2	13	12	V	11.7	0	3.52	230
401430175	2013	2	13	13	V	8.1	0	3.18	241
401430175	2013	2	13	14	V	12.8	0	3.76	219
401430175	2013	2	13	15	V	2.2	0	3.22	251
401430175	2013	2	13	16	V	3.3	0	2.89	260
401430175	2013	2	13	17	V	3.5	0	2.96	254
401430175	2013	2	13	18	V	4.3	0	1.98	254
401430175	2013	2	13	19	V	3.0	0	1.35	247
401430175	2013	2	13	20	V	2.5	0	1.23	259
401430175	2013	2	13	21	V	2.7	0	1.45	259
401430175	2013	2	13	22	V	2.7	0	1.84	260
401430175	2013	2	13	23	V	3.9	0	1.77	239
401430175	2013	2	13	24	V	3.2	0	1.88	242
401430175	2013	2	14	1	V	4.0	0	1.43	236
401430175	2013	2	14	2	V	18.2	0	0.86	226
401430175	2013	2	14	3	V	21.8	0	0.72	222
401430175	2013	2	14	4	V	5.0	0	0.69	247
401430175	2013	2	14	5	V	14.3	0	0.62	176
401430175	2013	2	14	6	V	13.9	0	0.91	176
401430175	2013	2	14	7	V	4.8	0	0.69	247
401430175	2013	2	14	8	V	8.8	0	0.94	189
401430175	2013	2	14	9	V	2.5	0	1.5	255
401430175	2013	2	14	10	V	3.2	0	2.3	323
401430175	2013	2	14	11	V	2.9	0	3.81	18
401430175	2013	2	14	12	V	5.8	0	2.71	29
401430175	2013	2	14	13	V	8.2	0	2.98	42
401430175	2013	2	14	14	V	3.1	0	2.98	24
401430175	2013	2	14	15	V	1.9	0	3.75	13
401430175	2013	2	14	16	V	3.2	0	3.61	11
401430175	2013	2	14	17	V	3.4	0	4.34	20
401430175	2013	2	14	18	V	4.3	0	4.6	14
401430175	2013	2	14	19	V	2.9	0	2.38	336
401430175	2013	2	14	20	V	2.4	0	1.59	329
401430175	2013	2	14	21	V	2.6	0	1.67	302
401430175	2013	2	14	22	V	2.7	0	2.08	321
401430175	2013	2	14	23	V	3.7	0	4.44	338
401430175	2013	2	14	24	V	3.2	0	1.77	331
401430175	2013	2	15	1	V	2.3	0	1.71	313
401430175	2013	2	15	2	V	2.4	0	3.13	323
401430175	2013	2	15	3	V	1.8	0	3.42	349
401430175	2013	2	15	4	V	1.8	0	3	334
401430175	2013	2	15	5	V	2.1	0	2.39	327
401430175	2013	2	15	6	V	2.0	0	2.52	325

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	15	7	V	1.6	0	2.62	341
401430175	2013	2	15	8	V	2.3	0	4.12	350
401430175	2013	2	15	9	V	2.0	0	4.41	350
401430175	2013	2	15	10	V	3.0	0	3.86	354
401430175	2013	2	15	11	V	2.9	0	3.85	354
401430175	2013	2	15	12	V	5.4	0	4.63	359
401430175	2013	2	15	13	V	6.2	0	4.65	15
401430175	2013	2	15	14	V	2.9	0	4.58	6
401430175	2013	2	15	15	V	2.0	0	3.59	16
401430175	2013	2	15	16	V	3.2	0	4.24	353
401430175	2013	2	15	17	V	3.4	0	3.39	346
401430175	2013	2	15	18	V	4.3	0	2.83	341
401430175	2013	2	15	19	V	2.9	0	2.33	331
401430175	2013	2	15	20	V	2.4	0	1.5	327
401430175	2013	2	15	21	V	3.0	0	0.94	286
401430175	2013	2	15	22	V	4.0	0	0.7	256
401430175	2013	2	15	23	V	5.3	0	0.94	244
401430175	2013	2	15	24	V	10.3	0	1.37	229
401430175	2013	2	16	1	V	2.3	0	1.94	267
401430175	2013	2	16	2	V	2.4	0	3.44	301
401430175	2013	2	16	3	V	1.8	0	3.23	350
401430175	2013	2	16	4	V	1.9	0	2.11	330
401430175	2013	2	16	5	V	2.1	0	1.89	324
401430175	2013	2	16	6	V	2.0	0	1.74	305
401430175	2013	2	16	7	V	1.6	0	1.65	299
401430175	2013	2	16	8	V	2.5	0	1.23	286
401430175	2013	2	16	9	V	2.1	0	2.33	318
401430175	2013	2	16	10	V	3.0	0	3.42	337
401430175	2013	2	16	11	V	3.1	0	2.5	315
401430175	2013	2	16	12	V	5.9	0	1.86	6
401430175	2013	2	16	13	V	12.1	5	1.98	197
401430175	2013	2	16	14	V	7.8	5	2.52	170
401430175	2013	2	16	15	V	6.0	7	3.42	181
401430175	2013	2	16	16	V	6.9	7	4.73	182
401430175	2013	2	16	17	V	5.4	11	5.63	189
401430175	2013	2	16	18	V	5.7	8	4.22	183
401430175	2013	2	16	19	V	6.7	18	2.95	173
401430175	2013	2	16	20	V	3.6	5	2.61	163
401430175	2013	2	16	21	V	5.6	0	1.93	165
401430175	2013	2	16	22	V	8.1	1	1.99	170
401430175	2013	2	16	23	V	13.7	5	1.25	175
401430175	2013	2	16	24	V	9.2	3	1.7	168
401430175	2013	2	17	1	V	2.8	1	1.74	158
401430175	2013	2	17	2	V	2.9	2	1.94	159
401430175	2013	2	17	3	V	6.9	2	1.81	168
401430175	2013	2	17	4	V	3.8	0	1.91	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	17	5	V	8.4	0	1.81	170
401430175	2013	2	17	6	V	7.6	1	1.31	180
401430175	2013	2	17	7	V	12.7	0	1.2	170
401430175	2013	2	17	8	V	11.3	0	1.38	175
401430175	2013	2	17	9	V	6.5	0	3.23	169
401430175	2013	2	17	10	V	5.7	12	4.87	185
401430175	2013	2	17	11	V	5.6	8	5.34	185
401430175	2013	2	17	12	V	8.1	12	5.67	187
401430175	2013	2	17	13	V	9.2	11	5.17	183
401430175	2013	2	17	14	V	5.6	10	5.75	189
401430175	2013	2	17	15	V	4.0	9	6.67	187
401430175	2013	2	17	16	V	4.9	15	8.05	186
401430175	2013	2	17	17	V	4.9	5	7.43	187
401430175	2013	2	17	18	V	5.3	2	5.87	188
401430175	2013	2	17	19	V	4.3	1	6.11	184
401430175	2013	2	17	20	V	5.7	23	6.14	178
401430175	2013	2	17	21	V	7.0	29	6.97	177
401430175	2013	2	17	22	V	6.5	5	7.96	180
401430175	2013	2	17	23	V	6.6	4	9.05	185
401430175	2013	2	17	24	V	4.7	1	7.03	190
401430175	2013	2	18	1	V	8.3	1	9	195
401430175	2013	2	18	2	V	6.3	1	9.08	191
401430175	2013	2	18	3	V	5.9	1	8.71	192
401430175	2013	2	18	4	V	4.8	1	9.05	188
401430175	2013	2	18	5	V	5.0	1	8.27	189
401430175	2013	2	18	6	V	4.6	2	8.11	186
401430175	2013	2	18	7	V	4.7	1	7.69	191
401430175	2013	2	18	8	V	6.7	1	7.79	194
401430175	2013	2	18	9	V	6.4	1	7.83	196
401430175	2013	2	18	10	V	8.0	21	7.65	198
401430175	2013	2	18	11	V	9.7	42	7.81	201
401430175	2013	2	18	12	V	5.4	12	6.48	257
401430175	2013	2	18	13	V	6.2	0	6.89	282
401430175	2013	2	18	14	V	2.9	0	6.5	300
401430175	2013	2	18	15	V	1.9	0	6.52	313
401430175	2013	2	18	16	V	3.2	0	6.45	314
401430175	2013	2	18	17	V	3.4	0	6.14	323
401430175	2013	2	18	18	V	4.3	0	5.39	336
401430175	2013	2	18	19	V	2.9	0	2.11	328
401430175	2013	2	18	20	V	2.4	0	2.47	335
401430175	2013	2	18	21	V	2.6	0	3.47	351
401430175	2013	2	18	22	V	2.6	0	3.98	358
401430175	2013	2	18	23	V	3.7	0	3.3	13
401430175	2013	2	18	24	V	3.2	0	3.56	19
401430175	2013	2	19	1	V	2.3	0	1.57	11
401430175	2013	2	19	2	V	2.3	0	2.98	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	19	3	V	2.0	0	1.33	329
401430175	2013	2	19	4	V	2.3	0	0.92	308
401430175	2013	2	19	5	V	2.4	0	1.03	339
401430175	2013	2	19	6	V	3.3	0	0.67	279
401430175	2013	2	19	7	V	2.5	0	0.75	267
401430175	2013	2	19	8	V	3.5	1	0.7	265
401430175	2013	2	19	9	V	5.8	0	0.94	243
401430175	2013	2	19	10	V	3.7	0	1.48	294
401430175	2013	2	19	11	V	3.0	0	2.91	358
401430175	2013	2	19	12	V	5.5	0	3.64	12
401430175	2013	2	19	13	V	6.4	0	2.54	358
401430175	2013	2	19	14	V	4.5	0	3.44	37
401430175	2013	2	19	15	V	3.4	0	2.71	52
401430175	2013	2	19	16	V	4.1	0	2.35	56
401430175	2013	2	19	17	V	5.3	0	1.76	48
401430175	2013	2	19	18	V	4.4	0	1.5	31
401430175	2013	2	19	19	V	2.9	0	3.17	96
401430175	2013	2	19	20	V	2.4	1	2.74	105
401430175	2013	2	19	21	V	2.6	1	2.47	84
401430175	2013	2	19	22	V	2.7	0	2.52	83
401430175	2013	2	19	23	V	3.7	1	2.01	89
401430175	2013	2	19	24	V	3.2	0	2.13	88
401430175	2013	2	20	1	V	2.3	0	2.52	72
401430175	2013	2	20	2	V	2.4	0	2.84	73
401430175	2013	2	20	3	V	1.9	1	3.46	84
401430175	2013	2	20	4	V	1.9	0	3.03	85
401430175	2013	2	20	5	V	2.1	1	2.57	79
401430175	2013	2	20	6	V	2.0	2	3.23	87
401430175	2013	2	20	7	V	1.6	2	2.11	58
401430175	2013	2	20	8	V	9.5	1	1.43	44
401430175	2013	2	20	9	V	2.1	0	2.44	65
401430175	2013	2	20	10	V	8.0	0	2.11	46
401430175	2013	2	20	11	V	2.9	0	2.46	79
401430175	2013	2	20	12	V	5.4	-999	3.69	73
401430175	2013	2	20	13	V	6.2	-999	4.36	93
401430175	2013	2	20	14	V	2.9	0	3.46	89
401430175	2013	2	20	15	V	1.9	0	3.81	67
401430175	2013	2	20	16	V	3.2	0	3.98	81
401430175	2013	2	20	17	V	3.4	0	3.49	95
401430175	2013	2	20	18	V	4.3	0	3.17	99
401430175	2013	2	20	19	V	2.9	0	3.64	111
401430175	2013	2	20	20	V	2.4	0	3.42	114
401430175	2013	2	20	21	V	2.6	0	3.9	115
401430175	2013	2	20	22	V	2.7	0	4.54	118
401430175	2013	2	20	23	V	3.7	0	4.46	111
401430175	2013	2	20	24	V	3.2	0	4.94	108

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	21	1	V	2.3	0	4.73	102
401430175	2013	2	21	2	V	2.4	0	5.21	81
401430175	2013	2	21	3	V	1.9	0	5.62	81
401430175	2013	2	21	4	V	1.9	0	5.34	93
401430175	2013	2	21	5	V	2.1	0	5.29	100
401430175	2013	2	21	6	V	2.0	0	3.97	93
401430175	2013	2	21	7	V	1.6	0	2.08	357
401430175	2013	2	21	8	V	2.4	0	2.71	1
401430175	2013	2	21	9	V	2.1	0	3.66	28
401430175	2013	2	21	10	V	3.2	0	2.93	58
401430175	2013	2	21	11	V	2.9	0	4.48	87
401430175	2013	2	21	12	V	5.4	1	4.56	96
401430175	2013	2	21	13	V	6.2	1	5.07	132
401430175	2013	2	21	14	V	2.9	2	4.29	143
401430175	2013	2	21	15	V	7.3	1	3.68	168
401430175	2013	2	21	16	V	6.7	1	2.81	183
401430175	2013	2	21	17	V	5.7	1	2.49	184
401430175	2013	2	21	18	V	5.0	3	1.79	192
401430175	2013	2	21	19	V	8.1	2	1.4	210
401430175	2013	2	21	20	V	2.4	0	2.25	245
401430175	2013	2	21	21	V	2.6	0	3.01	264
401430175	2013	2	21	22	V	2.7	0	3.9	277
401430175	2013	2	21	23	V	3.7	0	3.44	271
401430175	2013	2	21	24	V	3.2	1	3.69	275
401430175	2013	2	22	1	V	2.3	1	3.58	282
401430175	2013	2	22	2	V	2.4	1	2.71	279
401430175	2013	2	22	3	V	1.9	1	2.32	292
401430175	2013	2	22	4	V	1.9	0	2.27	292
401430175	2013	2	22	5	V	2.1	0	1.96	260
401430175	2013	2	22	6	V	2.0	0	1.69	296
401430175	2013	2	22	7	V	1.7	1	1.3	265
401430175	2013	2	22	8	V	2.5	1	1.43	279
401430175	2013	2	22	9	V	2.1	0	2.06	277
401430175	2013	2	22	10	V	3.1	0	2.86	310
401430175	2013	2	22	11	V	3.0	0	2.88	318
401430175	2013	2	22	12	V	5.6	0	2.64	299
401430175	2013	2	22	13	V	6.4	0	2.98	293
401430175	2013	2	22	14	V	3.1	0	2.66	321
401430175	2013	2	22	15	V	2.1	0	2.64	328
401430175	2013	2	22	16	V	3.3	0	2.76	320
401430175	2013	2	22	17	V	3.5	0	2.66	330
401430175	2013	2	22	18	V	4.3	0	2.59	345
401430175	2013	2	22	19	V	2.9	0	2.18	338
401430175	2013	2	22	20	V	2.4	0	1.94	339
401430175	2013	2	22	21	V	2.6	0	2.06	332
401430175	2013	2	22	22	V	2.7	0	1.48	315

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	22	23	V	4.2	0	0.89	325
401430175	2013	2	22	24	V	4.1	0	0.79	344
401430175	2013	2	23	1	V	2.7	0	1.03	352
401430175	2013	2	23	2	V	3.2	0	0.79	347
401430175	2013	2	23	3	V	2.5	0	0.84	7
401430175	2013	2	23	4	V	2.1	0	1.18	329
401430175	2013	2	23	5	V	2.2	0	1.25	323
401430175	2013	2	23	6	V	2.3	0	1.04	318
401430175	2013	2	23	7	V	3.0	0	0.67	290
401430175	2013	2	23	8	V	3.3	0	0.75	303
401430175	2013	2	23	9	V	2.4	0	1.55	17
401430175	2013	2	23	10	V	5.2	0	1.09	68
401430175	2013	2	23	11	V	4.2	0	1.2	82
401430175	2013	2	23	12	V	10.7	8	1.48	179
401430175	2013	2	23	13	V	9.6	8	1.64	165
401430175	2013	2	23	14	V	7.6	11	2.4	183
401430175	2013	2	23	15	V	4.1	8	1.55	154
401430175	2013	2	23	16	V	3.8	13	1.6	128
401430175	2013	2	23	17	V	4.0	16	1.16	121
401430175	2013	2	23	18	V	4.3	9	1.67	105
401430175	2013	2	23	19	V	3.2	1	1.79	156
401430175	2013	2	23	20	V	2.5	0	1.54	135
401430175	2013	2	23	21	V	11.7	0	0.63	163
401430175	2013	2	23	22	C	-999	0	0	0
401430175	2013	2	23	23	V	5.5	0	0.6	302
401430175	2013	2	23	24	V	5.2	0	0.57	310
401430175	2013	2	24	1	C	-999	1	0	0
401430175	2013	2	24	2	V	4.2	1	0.58	78
401430175	2013	2	24	3	V	2.8	1	0.75	18
401430175	2013	2	24	4	V	2.5	1	0.86	84
401430175	2013	2	24	5	V	2.3	2	1.11	71
401430175	2013	2	24	6	V	3.2	2	0.79	251
401430175	2013	2	24	7	V	3.8	1	0.57	44
401430175	2013	2	24	8	V	15.2	0	0.79	231
401430175	2013	2	24	9	V	6.3	1	1.31	166
401430175	2013	2	24	10	V	3.3	1	3.8	148
401430175	2013	2	24	11	V	3.3	1	4.78	150
401430175	2013	2	24	12	V	8.2	0	5.97	163
401430175	2013	2	24	13	V	9.0	1	6.18	163
401430175	2013	2	24	14	V	2.9	1	6.57	149
401430175	2013	2	24	15	V	1.9	0	6.74	141
401430175	2013	2	24	16	V	3.2	0	7.23	129
401430175	2013	2	24	17	V	3.3	0	7.57	117
401430175	2013	2	24	18	V	4.3	0	5.02	131
401430175	2013	2	24	19	V	2.9	1	4.07	122
401430175	2013	2	24	20	V	2.3	2	3.01	114

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	24	21	V	2.6	2	2.5	105
401430175	2013	2	24	22	V	2.6	1	3	107
401430175	2013	2	24	23	V	3.7	0	2.47	59
401430175	2013	2	24	24	V	4.9	0	2.69	49
401430175	2013	2	25	1	V	2.3	0	3.13	94
401430175	2013	2	25	2	V	2.4	0	3.69	97
401430175	2013	2	25	3	V	1.9	0	3.81	86
401430175	2013	2	25	4	V	1.9	0	2.95	67
401430175	2013	2	25	5	V	5.2	1	3.34	41
401430175	2013	2	25	6	V	6.2	1	4.41	44
401430175	2013	2	25	7	V	3.2	1	3.76	39
401430175	2013	2	25	8	V	2.4	1	4.16	9
401430175	2013	2	25	9	M	-999	0	999	999
401430175	2013	2	25	10	V	3.0	0	5.22	357
401430175	2013	2	25	11	V	2.9	0	3.83	354
401430175	2013	2	25	12	V	5.3	1	8.11	27
401430175	2013	2	25	13	V	6.6	1	8.05	38
401430175	2013	2	25	14	V	4.0	1	7.69	40
401430175	2013	2	25	15	V	3.2	1	8.59	42
401430175	2013	2	25	16	V	4.1	1	9.2	41
401430175	2013	2	25	17	V	4.8	1	7.21	41
401430175	2013	2	25	18	V	4.4	1	6.4	33
401430175	2013	2	25	19	V	2.9	1	5.51	24
401430175	2013	2	25	20	V	2.4	1	4.63	11
401430175	2013	2	25	21	V	2.6	1	4.36	5
401430175	2013	2	25	22	V	2.7	1	5.14	1
401430175	2013	2	25	23	V	3.7	1	5.9	359
401430175	2013	2	25	24	V	3.2	1	6.09	358
401430175	2013	2	26	1	V	2.3	1	5.7	353
401430175	2013	2	26	2	V	2.4	1	4.99	346
401430175	2013	2	26	3	V	1.9	1	5.12	340
401430175	2013	2	26	4	V	1.9	1	4.29	328
401430175	2013	2	26	5	V	2.1	0	4.8	331
401430175	2013	2	26	6	V	2.0	0	5.1	330
401430175	2013	2	26	7	V	1.6	1	4.82	332
401430175	2013	2	26	8	V	2.4	0	4.34	327
401430175	2013	2	26	9	V	2.0	0	4.15	321
401430175	2013	2	26	10	V	3.0	0	4.34	325
401430175	2013	2	26	11	V	2.9	0	4.87	309
401430175	2013	2	26	12	V	5.4	0	5.16	319
401430175	2013	2	26	13	V	6.2	0	4.93	326
401430175	2013	2	26	14	V	2.9	0	4.12	325
401430175	2013	2	26	15	V	1.9	0	3.69	309
401430175	2013	2	26	16	V	3.2	0	3.95	306
401430175	2013	2	26	17	V	3.4	0	3.9	315
401430175	2013	2	26	18	V	4.3	0	3.22	324

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	26	19	V	2.9	0	2.54	326
401430175	2013	2	26	20	V	2.4	0	2.55	316
401430175	2013	2	26	21	V	2.6	0	2.3	307
401430175	2013	2	26	22	V	2.7	0	1.64	350
401430175	2013	2	26	23	V	3.8	0	1.35	313
401430175	2013	2	26	24	V	3.4	0	1.13	304
401430175	2013	2	27	1	V	2.8	0	0.89	288
401430175	2013	2	27	2	V	2.4	0	1.5	306
401430175	2013	2	27	3	V	1.9	0	2.03	298
401430175	2013	2	27	4	V	1.9	0	2.23	301
401430175	2013	2	27	5	V	2.1	0	1.77	300
401430175	2013	2	27	6	V	2.0	0	1.77	283
401430175	2013	2	27	7	V	1.6	0	1.87	284
401430175	2013	2	27	8	V	2.4	0	2.27	288
401430175	2013	2	27	9	V	2.1	0	2.73	299
401430175	2013	2	27	10	V	3.0	0	3.13	296
401430175	2013	2	27	11	V	2.9	0	3.93	308
401430175	2013	2	27	12	V	5.4	0	4.58	309
401430175	2013	2	27	13	V	6.2	0	4.7	301
401430175	2013	2	27	14	V	2.9	0	4.78	299
401430175	2013	2	27	15	V	1.9	0	5.36	300
401430175	2013	2	27	16	V	3.2	0	5.51	306
401430175	2013	2	27	17	V	3.4	0	5.19	328
401430175	2013	2	27	18	V	4.3	0	4.29	322
401430175	2013	2	27	19	V	2.9	0	2.79	316
401430175	2013	2	27	20	V	2.4	0	2.69	304
401430175	2013	2	27	21	V	2.6	0	2.86	298
401430175	2013	2	27	22	V	2.7	0	2.88	296
401430175	2013	2	27	23	V	3.7	0	3.12	308
401430175	2013	2	27	24	V	3.2	0	2.96	308
401430175	2013	2	28	1	V	2.3	0	2.35	318
401430175	2013	2	28	2	V	2.4	0	1.67	305
401430175	2013	2	28	3	V	2.2	0	1.08	271
401430175	2013	2	28	4	V	14.5	0	1.09	228
401430175	2013	2	28	5	V	16.8	0	1.21	223
401430175	2013	2	28	6	V	2.2	0	1.18	280
401430175	2013	2	28	7	V	1.7	0	1.55	275
401430175	2013	2	28	8	V	2.4	0	1.98	293
401430175	2013	2	28	9	V	2.1	0	3.01	308
401430175	2013	2	28	10	V	3.1	0	3.95	332
401430175	2013	2	28	11	V	2.9	0	4.07	332
401430175	2013	2	28	12	V	5.5	0	4.19	314
401430175	2013	2	28	13	V	6.3	0	4.19	315
401430175	2013	2	28	14	V	3.0	0	4.14	320
401430175	2013	2	28	15	V	2.0	0	4.15	329
401430175	2013	2	28	16	V	3.2	0	4.15	341

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	2	28	17	V	3.4	0	4.39	360
401430175	2013	2	28	18	V	4.3	0	3.97	4
401430175	2013	2	28	19	V	2.9	0	3.75	350
401430175	2013	2	28	20	V	2.4	0	4.19	5
401430175	2013	2	28	21	V	2.6	0	2.96	354
401430175	2013	2	28	22	V	2.7	0	2.91	353
401430175	2013	2	28	23	V	3.7	0	3.37	347
401430175	2013	2	28	24	V	3.2	0	3.35	348
401430175	2013	3	1	1	V	1.3	0	3.08	347
401430175	2013	3	1	2	V	0.9	0	3.46	354
401430175	2013	3	1	3	V	0.4	0	3.1	342
401430175	2013	3	1	4	V	0.5	0	3.15	351
401430175	2013	3	1	5	V	1.4	0	3.64	348
401430175	2013	3	1	6	V	0.5	0	2.32	341
401430175	2013	3	1	7	V	1.1	0	2.61	331
401430175	2013	3	1	8	V	4.0	0	2.44	318
401430175	2013	3	1	9	V	1.4	0	3.3	328
401430175	2013	3	1	10	V	2.5	0	4.48	345
401430175	2013	3	1	11	V	2.0	0	3.69	344
401430175	2013	3	1	12	V	2.3	0	3.85	357
401430175	2013	3	1	13	V	2.4	0	3.97	353
401430175	2013	3	1	14	V	2.4	0	4.37	355
401430175	2013	3	1	15	V	1.8	0	4.61	342
401430175	2013	3	1	16	V	2.0	0	4.78	330
401430175	2013	3	1	17	V	3.7	0	4.37	331
401430175	2013	3	1	18	V	3.7	0	4.22	348
401430175	2013	3	1	19	V	1.5	0	4.37	345
401430175	2013	3	1	20	V	2.9	0	5.16	8
401430175	2013	3	1	21	V	2.7	0	4.63	8
401430175	2013	3	1	22	V	1.4	0	4.97	5
401430175	2013	3	1	23	V	1.1	0	3.93	354
401430175	2013	3	1	24	V	1.5	0	3.2	350
401430175	2013	3	2	1	V	1.3	0	4.03	355
401430175	2013	3	2	2	V	0.9	0	3.91	357
401430175	2013	3	2	3	V	0.4	0	4.39	358
401430175	2013	3	2	4	V	0.5	0	3.2	350
401430175	2013	3	2	5	V	1.4	0	3.2	332
401430175	2013	3	2	6	V	0.5	0	2.15	315
401430175	2013	3	2	7	V	1.1	0	1.62	311
401430175	2013	3	2	8	V	3.9	0	1.99	328
401430175	2013	3	2	9	V	1.3	0	3.58	360
401430175	2013	3	2	10	V	2.5	0	3.64	350
401430175	2013	3	2	11	V	2.1	0	3.15	346
401430175	2013	3	2	12	V	2.5	0	2.89	7
401430175	2013	3	2	13	V	3.0	0	1.88	328
401430175	2013	3	2	14	V	3.5	0	2.79	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	2	15	V	2.1	0	2.33	328
401430175	2013	3	2	16	V	2.3	0	2.62	338
401430175	2013	3	2	17	V	3.9	0	2.55	319
401430175	2013	3	2	18	V	3.7	0	1.74	343
401430175	2013	3	2	19	V	1.9	0	0.86	325
401430175	2013	3	2	20	V	10.3	0	0.77	192
401430175	2013	3	2	21	C	-999	0	0	0
401430175	2013	3	2	22	V	8.6	0	0.55	160
401430175	2013	3	2	23	V	12.9	2	0.84	207
401430175	2013	3	2	24	C	-999	1	0	0
401430175	2013	3	3	1	V	11.2	2	0.87	178
401430175	2013	3	3	2	C	-999	4	0	0
401430175	2013	3	3	3	C	-999	2	0	0
401430175	2013	3	3	4	V	17.7	2	0.53	218
401430175	2013	3	3	5	C	-999	2	0	0
401430175	2013	3	3	6	V	3.9	0	1.69	165
401430175	2013	3	3	7	V	3.0	0	2.5	165
401430175	2013	3	3	8	V	7.2	1	2.74	167
401430175	2013	3	3	9	V	4.8	12	4.61	171
401430175	2013	3	3	10	V	4.5	9	6.7	187
401430175	2013	3	3	11	V	3.7	10	8.44	188
401430175	2013	3	3	12	V	4.9	14	7.81	180
401430175	2013	3	3	13	V	5.0	13	6.69	181
401430175	2013	3	3	14	V	5.0	12	6.46	182
401430175	2013	3	3	15	V	4.4	7	6.28	182
401430175	2013	3	3	16	V	5.6	16	6.69	175
401430175	2013	3	3	17	V	6.9	2	6.77	166
401430175	2013	3	3	18	V	7.7	3	6.65	165
401430175	2013	3	3	19	V	2.8	3	5.04	160
401430175	2013	3	3	20	V	4.1	3	5.43	159
401430175	2013	3	3	21	V	3.9	2	5.5	159
401430175	2013	3	3	22	V	2.7	2	4.88	160
401430175	2013	3	3	23	V	1.4	2	5	153
401430175	2013	3	3	24	V	1.9	2	4.65	155
401430175	2013	3	4	1	V	1.7	1	3.98	156
401430175	2013	3	4	2	V	1.5	1	3.29	158
401430175	2013	3	4	3	V	0.9	1	3.1	157
401430175	2013	3	4	4	V	3.1	1	4.24	168
401430175	2013	3	4	5	V	2.7	1	3.52	161
401430175	2013	3	4	6	V	0.8	1	3.18	156
401430175	2013	3	4	7	V	2.6	1	4.1	163
401430175	2013	3	4	8	V	5.9	1	2.89	162
401430175	2013	3	4	9	V	2.9	1	3.81	158
401430175	2013	3	4	10	V	5.8	1	4.6	166
401430175	2013	3	4	11	V	5.4	-999	4.22	177
401430175	2013	3	4	12	V	5.3	-999	3.17	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	4	13	V	5.6	5	2.27	181
401430175	2013	3	4	14	V	3.7	3	2.1	149
401430175	2013	3	4	15	V	3.2	1	1.81	153
401430175	2013	3	4	16	V	3.3	2	1.26	334
401430175	2013	3	4	17	V	4.2	9	1.64	304
401430175	2013	3	4	18	V	3.8	1	2.08	307
401430175	2013	3	4	19	V	1.5	0	2.76	337
401430175	2013	3	4	20	V	2.9	0	5.07	347
401430175	2013	3	4	21	V	2.7	0	4.88	346
401430175	2013	3	4	22	V	1.4	0	5.65	348
401430175	2013	3	4	23	V	1.1	0	6.07	344
401430175	2013	3	4	24	V	1.5	0	6.67	350
401430175	2013	3	5	1	V	1.3	0	5.46	352
401430175	2013	3	5	2	V	0.9	0	5.97	346
401430175	2013	3	5	3	V	0.4	0	4.17	340
401430175	2013	3	5	4	V	0.5	0	3.37	344
401430175	2013	3	5	5	V	1.4	0	3.58	327
401430175	2013	3	5	6	V	0.5	0	4.68	328
401430175	2013	3	5	7	V	1.1	0	4.8	338
401430175	2013	3	5	8	V	4.0	0	5.87	335
401430175	2013	3	5	9	V	1.3	0	5.94	338
401430175	2013	3	5	10	V	2.5	0	6.18	328
401430175	2013	3	5	11	V	2.0	0	6.06	323
401430175	2013	3	5	12	V	2.3	0	5.79	321
401430175	2013	3	5	13	V	2.4	0	5.65	313
401430175	2013	3	5	14	V	2.4	0	4.85	304
401430175	2013	3	5	15	V	1.8	0	5.19	317
401430175	2013	3	5	16	V	2.1	0	5.31	316
401430175	2013	3	5	17	V	3.7	0	4.66	317
401430175	2013	3	5	18	V	3.7	0	4.71	312
401430175	2013	3	5	19	V	1.5	0	3.13	305
401430175	2013	3	5	20	V	2.9	0	2.3	312
401430175	2013	3	5	21	V	2.7	0	2.54	320
401430175	2013	3	5	22	V	1.4	0	2.42	325
401430175	2013	3	5	23	V	1.1	0	2.22	321
401430175	2013	3	5	24	V	1.5	0	2.71	338
401430175	2013	3	6	1	V	1.3	0	2.4	332
401430175	2013	3	6	2	V	0.9	0	2.88	350
401430175	2013	3	6	3	V	0.4	0	2.15	348
401430175	2013	3	6	4	V	0.5	0	2.38	348
401430175	2013	3	6	5	V	1.4	0	2.67	354
401430175	2013	3	6	6	V	0.5	0	2.28	10
401430175	2013	3	6	7	V	1.1	0	1.76	3
401430175	2013	3	6	8	V	3.9	0	3.34	24
401430175	2013	3	6	9	V	3.8	1	4.54	50
401430175	2013	3	6	10	V	5.5	1	2.32	49

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	6	11	V	3.0	1	1.43	352
401430175	2013	3	6	12	V	2.8	2	1.96	81
401430175	2013	3	6	13	V	4.0	2	2.11	54
401430175	2013	3	6	14	V	3.4	1	1.86	136
401430175	2013	3	6	15	V	3.5	1	1.35	168
401430175	2013	3	6	16	V	3.2	9	1.3	98
401430175	2013	3	6	17	V	4.5	5	1.31	103
401430175	2013	3	6	18	V	3.8	2	1.91	136
401430175	2013	3	6	19	V	4.2	2	1.57	163
401430175	2013	3	6	20	V	2.9	0	2.79	120
401430175	2013	3	6	21	V	2.7	0	2.15	131
401430175	2013	3	6	22	V	1.4	0	1.93	118
401430175	2013	3	6	23	V	1.1	0	1.88	98
401430175	2013	3	6	24	V	1.5	0	2.25	88
401430175	2013	3	7	1	V	1.3	0	1.6	68
401430175	2013	3	7	2	V	1.0	0	1.35	18
401430175	2013	3	7	3	V	1.7	0	0.65	66
401430175	2013	3	7	4	V	0.7	0	1.3	80
401430175	2013	3	7	5	V	1.4	1	2.13	109
401430175	2013	3	7	6	V	5.2	0	1.35	164
401430175	2013	3	7	7	V	9.0	0	1.37	175
401430175	2013	3	7	8	V	6.9	0	1.81	178
401430175	2013	3	7	9	V	3.7	0	4.27	163
401430175	2013	3	7	10	V	5.2	0	6.13	168
401430175	2013	3	7	11	V	4.7	0	6.36	165
401430175	2013	3	7	12	V	5.1	5	6.8	167
401430175	2013	3	7	13	V	5.3	1	6.97	168
401430175	2013	3	7	14	V	5.2	6	6.81	167
401430175	2013	3	7	15	V	4.5	8	6.89	166
401430175	2013	3	7	16	V	5.1	4	7.25	167
401430175	2013	3	7	17	V	6.9	6	6.8	166
401430175	2013	3	7	18	V	7.2	2	6.23	164
401430175	2013	3	7	19	V	2.0	0	3.95	157
401430175	2013	3	7	20	V	3.9	0	4.39	159
401430175	2013	3	7	21	V	5.6	1	4.66	169
401430175	2013	3	7	22	V	4.1	1	4.49	168
401430175	2013	3	7	23	V	2.7	0	3.13	163
401430175	2013	3	7	24	V	4.5	2	3.1	175
401430175	2013	3	8	1	V	4.6	0	2.2	176
401430175	2013	3	8	2	V	1.5	0	2.83	160
401430175	2013	3	8	3	V	0.4	0	2.55	134
401430175	2013	3	8	4	V	0.6	0	1.84	115
401430175	2013	3	8	5	V	1.4	0	2.56	122
401430175	2013	3	8	6	V	0.5	0	3.52	131
401430175	2013	3	8	7	V	1.1	0	3.83	139
401430175	2013	3	8	8	V	4.0	0	4.32	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	8	9	V	1.3	0	4.99	145
401430175	2013	3	8	10	V	2.9	0	5.09	153
401430175	2013	3	8	11	V	5.4	7	4.83	165
401430175	2013	3	8	12	V	4.3	0	6.53	162
401430175	2013	3	8	13	V	5.1	0	6.45	164
401430175	2013	3	8	14	V	3.4	0	6.33	158
401430175	2013	3	8	15	V	2.2	0	5.34	154
401430175	2013	3	8	16	V	2.4	0	5.44	154
401430175	2013	3	8	17	V	5.4	0	5.84	161
401430175	2013	3	8	18	V	5.8	1	4.71	162
401430175	2013	3	8	19	V	3.4	0	4.61	162
401430175	2013	3	8	20	V	5.2	1	5.17	163
401430175	2013	3	8	21	V	4.7	5	4.26	163
401430175	2013	3	8	22	V	2.7	0	3.97	160
401430175	2013	3	8	23	V	2.4	0	5.39	159
401430175	2013	3	8	24	V	2.9	0	5.5	159
401430175	2013	3	9	1	V	2.5	0	4.59	159
401430175	2013	3	9	2	V	3.5	2	4.65	165
401430175	2013	3	9	3	V	3.2	0	3.34	166
401430175	2013	3	9	4	V	0.5	0	2.66	144
401430175	2013	3	9	5	V	1.4	0	3.25	140
401430175	2013	3	9	6	V	0.5	0	3.2	146
401430175	2013	3	9	7	V	1.5	0	3.25	154
401430175	2013	3	9	8	V	4.2	0	3.57	151
401430175	2013	3	9	9	V	1.5	0	3.85	149
401430175	2013	3	9	10	V	6.2	0	5.38	166
401430175	2013	3	9	11	V	5.9	3	6.87	168
401430175	2013	3	9	12	V	6.3	13	8.4	172
401430175	2013	3	9	13	V	6.3	14	8.45	174
401430175	2013	3	9	14	V	6.3	12	7.21	169
401430175	2013	3	9	15	V	4.2	1	6.38	163
401430175	2013	3	9	16	V	4.3	5	5.67	162
401430175	2013	3	9	17	V	8.4	0	4.54	168
401430175	2013	3	9	18	V	5.6	0	4.36	161
401430175	2013	3	9	19	V	3.9	2	4.49	179
401430175	2013	3	9	20	V	6.1	1	3.27	167
401430175	2013	3	9	21	V	4.2	2	1.86	181
401430175	2013	3	9	22	V	2.2	0	2.57	158
401430175	2013	3	9	23	V	3.4	0	1.93	179
401430175	2013	3	9	24	V	4.4	1	2.2	177
401430175	2013	3	10	1	V	5.0	6	2.23	213
401430175	2013	3	10	2	V	2.0	6	2.28	185
401430175	2013	3	10	3	V	1.0	4	4.75	192
401430175	2013	3	10	4	V	2.5	4	3.54	180
401430175	2013	3	10	5	V	1.9	6	4.2	196
401430175	2013	3	10	6	V	0.5	0	3.85	296

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	10	7	V	1.1	0	3.98	306
401430175	2013	3	10	8	V	4.0	0	2.86	297
401430175	2013	3	10	9	V	1.4	0	1.76	255
401430175	2013	3	10	10	V	2.5	0	3.86	290
401430175	2013	3	10	11	M	-999	0	3.36	999
401430175	2013	3	10	12	M	-999	0	3.36	999
401430175	2013	3	10	13	V	2.4	0	3.86	299
401430175	2013	3	10	14	V	2.4	0	6.46	296
401430175	2013	3	10	15	V	1.8	0	3.86	300
401430175	2013	3	10	16	V	2.1	0	4.36	328
401430175	2013	3	10	17	V	3.7	0	3.86	328
401430175	2013	3	10	18	M	-999	0	3.36	999
401430175	2013	3	10	19	V	1.5	0	4.14	333
401430175	2013	3	10	20	V	2.9	0	3.66	329
401430175	2013	3	10	21	V	2.7	0	3.75	316
401430175	2013	3	10	22	V	1.4	0	3.54	311
401430175	2013	3	10	23	V	1.1	0	3.56	306
401430175	2013	3	10	24	V	1.5	0	3.07	306
401430175	2013	3	11	1	V	1.3	0	2.54	305
401430175	2013	3	11	2	V	0.9	0	2.54	322
401430175	2013	3	11	3	V	0.4	0	1.89	326
401430175	2013	3	11	4	V	0.5	0	2.73	312
401430175	2013	3	11	5	V	1.4	0	1.84	324
401430175	2013	3	11	6	V	0.7	0	1.08	257
401430175	2013	3	11	7	V	1.1	0	1.64	254
401430175	2013	3	11	8	V	4.0	0	2.28	281
401430175	2013	3	11	9	V	1.4	0	3.47	315
401430175	2013	3	11	10	V	2.5	0	3.58	306
401430175	2013	3	11	11	V	2.1	0	3.59	285
401430175	2013	3	11	12	V	2.4	0	3.52	286
401430175	2013	3	11	13	V	2.6	0	3.34	292
401430175	2013	3	11	14	V	2.6	0	3.22	294
401430175	2013	3	11	15	V	1.9	0	3.66	304
401430175	2013	3	11	16	V	2.2	0	3.2	300
401430175	2013	3	11	17	V	3.8	0	3.29	315
401430175	2013	3	11	18	V	3.7	0	2.15	290
401430175	2013	3	11	19	V	1.6	0	1.16	284
401430175	2013	3	11	20	V	3.6	0	0.75	291
401430175	2013	3	11	21	V	3.6	0	0.7	307
401430175	2013	3	11	22	V	2.6	0	0.67	330
401430175	2013	3	11	23	V	2.6	0	0.82	246
401430175	2013	3	11	24	V	1.6	0	1.23	270
401430175	2013	3	12	1	V	1.5	0	1.04	333
401430175	2013	3	12	2	V	0.9	0	1.94	318
401430175	2013	3	12	3	V	0.5	0	1.23	260
401430175	2013	3	12	4	V	0.9	0	0.87	316

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	12	5	V	1.9	0	0.84	17
401430175	2013	3	12	6	V	8.6	0	0.99	203
401430175	2013	3	12	7	V	16.4	1	0.91	222
401430175	2013	3	12	8	V	4.0	1	1.4	248
401430175	2013	3	12	9	V	2.3	0	1.13	35
401430175	2013	3	12	10	V	4.0	0	2.5	43
401430175	2013	3	12	11	V	2.1	0	3.46	21
401430175	2013	3	12	12	V	2.4	0	3.29	17
401430175	2013	3	12	13	V	2.6	0	3.3	15
401430175	2013	3	12	14	V	2.7	0	2.95	333
401430175	2013	3	12	15	V	2.1	0	2.91	307
401430175	2013	3	12	16	V	2.2	0	3.76	330
401430175	2013	3	12	17	V	3.8	0	3.91	322
401430175	2013	3	12	18	V	3.7	0	3.9	329
401430175	2013	3	12	19	V	1.5	0	3.23	345
401430175	2013	3	12	20	V	2.9	0	3.03	348
401430175	2013	3	12	21	V	2.7	0	2.93	11
401430175	2013	3	12	22	V	1.4	0	4	20
401430175	2013	3	12	23	V	1.0	0	2.61	9
401430175	2013	3	12	24	V	1.5	0	1.64	6
401430175	2013	3	13	1	V	1.3	0	2.08	10
401430175	2013	3	13	2	V	1.4	0	0.82	73
401430175	2013	3	13	3	V	2.0	0	0.79	247
401430175	2013	3	13	4	V	2.1	0	0.62	258
401430175	2013	3	13	5	V	1.8	0	0.89	275
401430175	2013	3	13	6	V	1.8	0	0.65	282
401430175	2013	3	13	7	V	1.7	1	0.77	328
401430175	2013	3	13	8	V	4.0	0	2.27	14
401430175	2013	3	13	9	V	4.0	0	3.58	45
401430175	2013	3	13	10	V	3.3	0	1.74	59
401430175	2013	3	13	11	V	3.1	1	2.55	36
401430175	2013	3	13	12	V	3.2	1	2.15	55
401430175	2013	3	13	13	V	3.1	1	1.81	99
401430175	2013	3	13	14	V	3.0	1	1.89	102
401430175	2013	3	13	15	V	2.8	0	2.01	141
401430175	2013	3	13	16	V	2.5	0	2.44	126
401430175	2013	3	13	17	V	4.0	1	2.69	134
401430175	2013	3	13	18	V	3.7	4	3.44	145
401430175	2013	3	13	19	V	1.5	0	2.49	138
401430175	2013	3	13	20	V	3.6	0	1.54	158
401430175	2013	3	13	21	C	-999	0	0	0
401430175	2013	3	13	22	V	14.0	0	0.91	212
401430175	2013	3	13	23	V	11.3	0	0.77	202
401430175	2013	3	13	24	V	3.8	6	1.54	200
401430175	2013	3	14	1	V	11.1	33	0.87	205
401430175	2013	3	14	2	V	12.0	29	0.79	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	14	3	V	14.0	18	1.04	217
401430175	2013	3	14	4	V	14.7	23	1.06	221
401430175	2013	3	14	5	V	14.5	20	0.96	214
401430175	2013	3	14	6	V	7.4	14	0.86	185
401430175	2013	3	14	7	V	4.6	1	1.18	161
401430175	2013	3	14	8	V	7.6	28	1.47	182
401430175	2013	3	14	9	V	4.3	17	3.56	188
401430175	2013	3	14	10	V	6.4	12	5.09	199
401430175	2013	3	14	11	V	6.3	21	6.96	200
401430175	2013	3	14	12	V	8.9	20	5.44	209
401430175	2013	3	14	13	V	5.7	14	4.56	190
401430175	2013	3	14	14	V	8.3	13	4.95	210
401430175	2013	3	14	15	V	8.1	14	5.05	214
401430175	2013	3	14	16	V	8.9	17	4.97	216
401430175	2013	3	14	17	V	10.8	20	4.8	210
401430175	2013	3	14	18	V	9.0	23	3.92	200
401430175	2013	3	14	19	V	1.8	6	2.59	193
401430175	2013	3	14	20	V	3.9	4	1.98	202
401430175	2013	3	14	21	V	12.5	15	1.37	220
401430175	2013	3	14	22	V	16.6	6	0.57	228
401430175	2013	3	14	23	V	16.9	7	0.72	214
401430175	2013	3	14	24	V	7.4	9	1.11	201
401430175	2013	3	15	1	V	11.9	3	0.87	205
401430175	2013	3	15	2	V	8.4	3	1.01	202
401430175	2013	3	15	3	V	2.6	2	1.33	185
401430175	2013	3	15	4	V	17.5	1	0.52	206
401430175	2013	3	15	5	V	3.5	1	0.51	5
401430175	2013	3	15	6	M	-999	1	999	999
401430175	2013	3	15	7	M	-999	1	999	999
401430175	2013	3	15	8	V	4.6	2	0.75	127
401430175	2013	3	15	9	V	4.3	7	3.46	187
401430175	2013	3	15	10	V	5.1	25	4.9	188
401430175	2013	3	15	11	V	8.8	19	5.03	217
401430175	2013	3	15	12	V	8.5	22	5.29	221
401430175	2013	3	15	13	V	8.2	14	5.7	210
401430175	2013	3	15	14	V	8.6	23	6.12	216
401430175	2013	3	15	15	V	8.0	23	7.32	216
401430175	2013	3	15	16	V	8.5	32	7.3	214
401430175	2013	3	15	17	V	10.3	42	7.06	212
401430175	2013	3	15	18	V	12.0	39	5.94	215
401430175	2013	3	15	19	V	2.2	17	4.9	203
401430175	2013	3	15	20	V	3.8	14	4.46	185
401430175	2013	3	15	21	V	3.2	8	4.39	189
401430175	2013	3	15	22	V	1.8	2	4.36	195
401430175	2013	3	15	23	V	1.5	7	4.71	195
401430175	2013	3	15	24	V	1.8	22	4.39	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	16	1	V	1.7	20	4.05	190
401430175	2013	3	16	2	V	1.5	13	3.51	187
401430175	2013	3	16	3	V	0.8	9	3.37	190
401430175	2013	3	16	4	V	1.5	3	3.42	184
401430175	2013	3	16	5	V	2.0	4	3.78	186
401430175	2013	3	16	6	V	1.6	6	2.61	180
401430175	2013	3	16	7	V	1.1	2	1.47	50
401430175	2013	3	16	8	V	4.2	1	1.2	25
401430175	2013	3	16	9	V	2.1	0	1.82	140
401430175	2013	3	16	10	V	2.7	0	2.2	126
401430175	2013	3	16	11	V	2.3	0	2.04	115
401430175	2013	3	16	12	V	3.5	1	1.64	144
401430175	2013	3	16	13	V	2.7	1	2.45	61
401430175	2013	3	16	14	V	2.4	1	6.79	29
401430175	2013	3	16	15	V	1.7	1	6.55	24
401430175	2013	3	16	16	V	2.0	0	8.1	23
401430175	2013	3	16	17	V	3.6	0	8.18	27
401430175	2013	3	16	18	V	3.7	0	8.08	25
401430175	2013	3	16	19	V	1.6	0	7.83	26
401430175	2013	3	16	20	V	3.0	0	7.18	27
401430175	2013	3	16	21	V	2.8	0	7.98	28
401430175	2013	3	16	22	V	1.5	0	7.04	28
401430175	2013	3	16	23	V	1.1	0	6.79	27
401430175	2013	3	16	24	V	1.5	0	6.75	22
401430175	2013	3	17	1	V	1.4	0	7.18	20
401430175	2013	3	17	2	V	1.0	0	7.96	28
401430175	2013	3	17	3	V	0.5	0	6.38	21
401430175	2013	3	17	4	V	0.6	0	6.91	19
401430175	2013	3	17	5	V	1.5	0	6.92	20
401430175	2013	3	17	6	V	0.6	0	7.35	28
401430175	2013	3	17	7	V	1.1	0	5.99	30
401430175	2013	3	17	8	V	3.9	0	5.28	30
401430175	2013	3	17	9	V	1.3	0	4.73	35
401430175	2013	3	17	10	V	2.4	0	4.51	34
401430175	2013	3	17	11	V	2.0	0	3.97	26
401430175	2013	3	17	12	V	2.3	0	3.73	27
401430175	2013	3	17	13	V	2.5	0	2.74	355
401430175	2013	3	17	14	V	2.5	0	2.57	339
401430175	2013	3	17	15	V	1.9	0	2.32	326
401430175	2013	3	17	16	V	2.2	0	2.16	323
401430175	2013	3	17	17	V	3.7	0	2.06	335
401430175	2013	3	17	18	V	3.8	0	1.57	327
401430175	2013	3	17	19	V	1.6	0	1.06	275
401430175	2013	3	17	20	V	3.2	0	0.86	269
401430175	2013	3	17	21	V	3.0	0	1.26	242
401430175	2013	3	17	22	V	3.8	0	1.69	230

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	17	23	V	1.8	0	0.69	271
401430175	2013	3	17	24	V	1.7	0	1.03	55
401430175	2013	3	18	1	V	1.4	0	1.31	360
401430175	2013	3	18	2	V	0.9	0	2.79	6
401430175	2013	3	18	3	V	0.4	0	3.49	2
401430175	2013	3	18	4	V	0.5	0	2.83	360
401430175	2013	3	18	5	V	1.4	0	2.47	337
401430175	2013	3	18	6	V	0.5	0	1.31	338
401430175	2013	3	18	7	V	1.0	0	1.89	338
401430175	2013	3	18	8	V	4.0	0	2.59	334
401430175	2013	3	18	9	V	1.3	0	4.17	340
401430175	2013	3	18	10	V	2.4	0	4.32	347
401430175	2013	3	18	11	V	1.9	0	4	353
401430175	2013	3	18	12	V	2.3	0	4.75	16
401430175	2013	3	18	13	V	2.4	0	4.85	14
401430175	2013	3	18	14	V	2.4	-999	4.46	19
401430175	2013	3	18	15	V	1.9	-999	3.78	5
401430175	2013	3	18	16	V	2.1	0	3.76	347
401430175	2013	3	18	17	V	3.7	0	3.76	348
401430175	2013	3	18	18	V	3.7	0	3.41	354
401430175	2013	3	18	19	V	1.5	0	2.33	359
401430175	2013	3	18	20	V	2.9	0	1.98	13
401430175	2013	3	18	21	V	2.9	0	0.99	316
401430175	2013	3	18	22	V	3.2	0	0.55	277
401430175	2013	3	18	23	V	14.0	0	0.62	231
401430175	2013	3	18	24	V	2.4	0	0.7	297
401430175	2013	3	19	1	C	-999	0	0	0
401430175	2013	3	19	2	V	1.4	0	0.8	309
401430175	2013	3	19	3	V	0.6	0	1.08	331
401430175	2013	3	19	4	V	0.5	0	1.65	13
401430175	2013	3	19	5	V	1.4	0	1.67	3
401430175	2013	3	19	6	V	0.5	0	3.51	16
401430175	2013	3	19	7	V	1.0	0	3.57	28
401430175	2013	3	19	8	V	4.0	0	4.07	37
401430175	2013	3	19	9	V	1.3	1	4.83	67
401430175	2013	3	19	10	V	2.5	5	5.04	80
401430175	2013	3	19	11	V	2.0	4	4.83	87
401430175	2013	3	19	12	V	2.3	1	3.98	98
401430175	2013	3	19	13	V	3.0	0	3.06	140
401430175	2013	3	19	14	V	4.7	1	3.75	167
401430175	2013	3	19	15	V	4.0	1	2.61	171
401430175	2013	3	19	16	V	3.3	3	1.82	150
401430175	2013	3	19	17	V	5.0	1	1.01	99
401430175	2013	3	19	18	V	4.0	1	1.28	70
401430175	2013	3	19	19	V	1.5	0	5.05	31
401430175	2013	3	19	20	V	2.9	0	6.91	29

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	19	21	V	2.7	1	6.31	35
401430175	2013	3	19	22	V	1.4	0	5.12	43
401430175	2013	3	19	23	V	1.0	0	4.2	46
401430175	2013	3	19	24	V	1.4	0	2.42	24
401430175	2013	3	20	1	V	1.3	0	1.62	13
401430175	2013	3	20	2	V	0.9	0	1.69	1
401430175	2013	3	20	3	V	0.4	0	1.94	9
401430175	2013	3	20	4	V	0.5	0	1.57	358
401430175	2013	3	20	5	V	1.4	0	1.38	3
401430175	2013	3	20	6	V	0.8	0	0.96	352
401430175	2013	3	20	7	V	1.1	0	1.47	350
401430175	2013	3	20	8	V	4.0	0	2.67	355
401430175	2013	3	20	9	V	1.3	0	5.87	10
401430175	2013	3	20	10	V	2.4	0	5.82	18
401430175	2013	3	20	11	V	2.0	0	5.34	20
401430175	2013	3	20	12	V	2.3	0	5.94	46
401430175	2013	3	20	13	V	2.5	0	4.58	26
401430175	2013	3	20	14	V	2.6	0	3.9	19
401430175	2013	3	20	15	V	2.0	0	3.37	45
401430175	2013	3	20	16	V	2.3	0	3.2	35
401430175	2013	3	20	17	V	4.2	0	2.1	48
401430175	2013	3	20	18	V	3.8	0	2.38	68
401430175	2013	3	20	19	V	1.5	0	3.54	68
401430175	2013	3	20	20	V	2.9	0	3.13	71
401430175	2013	3	20	21	V	2.7	0	3.1	75
401430175	2013	3	20	22	V	1.4	0	3.27	100
401430175	2013	3	20	23	V	1.0	0	3.71	96
401430175	2013	3	20	24	V	1.4	0	3.37	107
401430175	2013	3	21	1	V	1.3	0	3.51	108
401430175	2013	3	21	2	V	0.9	0	2.54	105
401430175	2013	3	21	3	V	0.4	0	2.93	104
401430175	2013	3	21	4	V	0.5	0	3.25	91
401430175	2013	3	21	5	V	1.4	0	3.03	93
401430175	2013	3	21	6	V	0.5	0	3.37	85
401430175	2013	3	21	7	V	1.1	0	3.58	87
401430175	2013	3	21	8	V	3.9	0	4.7	103
401430175	2013	3	21	9	V	1.3	0	5.21	124
401430175	2013	3	21	10	V	2.4	0	5.72	130
401430175	2013	3	21	11	V	1.9	0	7.23	128
401430175	2013	3	21	12	V	2.2	0	6.84	132
401430175	2013	3	21	13	V	2.3	0	7.55	124
401430175	2013	3	21	14	V	2.3	0	7.13	120
401430175	2013	3	21	15	V	1.7	0	7.13	118
401430175	2013	3	21	16	V	2.0	0	6.43	118
401430175	2013	3	21	17	V	3.6	1	6.21	108
401430175	2013	3	21	18	V	3.7	0	6.16	98

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	21	19	V	1.5	0	5.58	86
401430175	2013	3	21	20	V	2.9	0	5.48	83
401430175	2013	3	21	21	V	2.7	0	5.16	84
401430175	2013	3	21	22	V	1.4	0	4.73	79
401430175	2013	3	21	23	V	1.1	0	4.8	78
401430175	2013	3	21	24	V	1.5	0	4.46	67
401430175	2013	3	22	1	V	1.3	0	4.68	64
401430175	2013	3	22	2	V	0.9	0	5.04	68
401430175	2013	3	22	3	V	0.4	0	4.24	42
401430175	2013	3	22	4	V	0.5	0	4.02	34
401430175	2013	3	22	5	V	1.4	0	3.24	22
401430175	2013	3	22	6	V	0.5	0	3.4	28
401430175	2013	3	22	7	V	1.1	0	3.13	25
401430175	2013	3	22	8	V	3.9	0	3.81	33
401430175	2013	3	22	9	V	1.3	0	3.47	45
401430175	2013	3	22	10	V	2.5	0	3.39	40
401430175	2013	3	22	11	V	2.0	0	2.73	16
401430175	2013	3	22	12	V	2.3	0	3.22	355
401430175	2013	3	22	13	V	2.4	0	3.44	7
401430175	2013	3	22	14	V	2.4	0	3.44	7
401430175	2013	3	22	15	V	1.8	0	3.97	22
401430175	2013	3	22	16	V	2.0	1	4.27	32
401430175	2013	3	22	17	V	3.7	1	3.9	39
401430175	2013	3	22	18	V	3.7	4	4.8	51
401430175	2013	3	22	19	V	1.5	1	4.61	35
401430175	2013	3	22	20	V	2.9	0	5.07	42
401430175	2013	3	22	21	V	2.7	0	3.9	51
401430175	2013	3	22	22	V	1.4	0	3.9	48
401430175	2013	3	22	23	V	1.1	0	3.81	28
401430175	2013	3	22	24	V	1.5	0	4.29	27
401430175	2013	3	23	1	V	1.3	0	4.53	27
401430175	2013	3	23	2	V	0.9	0	4.39	32
401430175	2013	3	23	3	V	0.4	0	4.46	34
401430175	2013	3	23	4	V	0.5	0	4.41	31
401430175	2013	3	23	5	V	1.4	0	4.36	43
401430175	2013	3	23	6	V	0.5	0	3.69	42
401430175	2013	3	23	7	V	1.1	0	3.08	27
401430175	2013	3	23	8	V	3.9	0	3.86	33
401430175	2013	3	23	9	V	1.3	0	3.93	43
401430175	2013	3	23	10	V	2.4	0	4.54	58
401430175	2013	3	23	11	V	2.0	0	3.49	37
401430175	2013	3	23	12	V	2.3	0	3.56	59
401430175	2013	3	23	13	V	2.5	0	2.28	47
401430175	2013	3	23	14	V	2.4	0	2.83	31
401430175	2013	3	23	15	V	1.8	0	3.56	36
401430175	2013	3	23	16	V	2.1	0	2.98	34

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	23	17	V	3.7	0	2.44	10
401430175	2013	3	23	18	V	3.8	0	2.1	343
401430175	2013	3	23	19	V	1.5	0	2.2	346
401430175	2013	3	23	20	V	2.9	0	3.51	21
401430175	2013	3	23	21	V	2.7	0	3.15	14
401430175	2013	3	23	22	V	1.4	0	2.91	330
401430175	2013	3	23	23	V	1.1	0	4.2	331
401430175	2013	3	23	24	V	1.5	0	3.03	337
401430175	2013	3	24	1	V	1.3	0	2.69	289
401430175	2013	3	24	2	V	0.9	0	3.86	293
401430175	2013	3	24	3	V	0.4	0	4.51	306
401430175	2013	3	24	4	V	0.6	0	5.73	318
401430175	2013	3	24	5	V	1.4	0	5.11	322
401430175	2013	3	24	6	V	0.5	0	5.16	319
401430175	2013	3	24	7	V	1.1	0	5.33	322
401430175	2013	3	24	8	V	4.0	0	5.34	320
401430175	2013	3	24	9	V	1.3	0	5.85	324
401430175	2013	3	24	10	V	2.4	0	5.48	317
401430175	2013	3	24	11	V	1.9	0	6.21	317
401430175	2013	3	24	12	V	2.2	0	6.58	327
401430175	2013	3	24	13	V	2.4	0	6.41	318
401430175	2013	3	24	14	V	2.4	0	6.18	323
401430175	2013	3	24	15	V	1.8	0	5.97	327
401430175	2013	3	24	16	V	2.1	0	5.8	337
401430175	2013	3	24	17	V	3.7	0	5.33	321
401430175	2013	3	24	18	V	3.7	0	5.19	335
401430175	2013	3	24	19	V	1.5	0	4.1	331
401430175	2013	3	24	20	V	2.9	0	2.47	332
401430175	2013	3	24	21	V	2.7	0	2.35	335
401430175	2013	3	24	22	V	1.5	0	1.09	306
401430175	2013	3	24	23	V	1.1	0	1.74	272
401430175	2013	3	24	24	V	1.4	0	1.99	299
401430175	2013	3	25	1	V	1.3	0	2.25	305
401430175	2013	3	25	2	V	0.9	0	1.96	280
401430175	2013	3	25	3	V	0.4	0	1.74	278
401430175	2013	3	25	4	V	0.5	0	2.93	307
401430175	2013	3	25	5	V	1.4	0	2.93	323
401430175	2013	3	25	6	V	0.5	0	3.25	314
401430175	2013	3	25	7	V	1.1	0	3.8	319
401430175	2013	3	25	8	V	4.0	0	4.2	319
401430175	2013	3	25	9	V	1.3	0	5.31	327
401430175	2013	3	25	10	V	2.4	0	5.68	323
401430175	2013	3	25	11	V	1.9	0	5.27	332
401430175	2013	3	25	12	V	2.2	0	4.76	320
401430175	2013	3	25	13	V	2.4	0	5.02	329
401430175	2013	3	25	14	V	2.4	0	4.83	327

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	25	15	V	1.8	0	4.68	316
401430175	2013	3	25	16	V	2.0	0	4.56	315
401430175	2013	3	25	17	V	3.7	0	4.6	326
401430175	2013	3	25	18	V	3.7	0	4.95	334
401430175	2013	3	25	19	V	1.5	0	4.19	343
401430175	2013	3	25	20	V	2.9	0	3.32	344
401430175	2013	3	25	21	V	2.7	0	2.35	342
401430175	2013	3	25	22	V	1.4	0	1.33	312
401430175	2013	3	25	23	V	1.1	0	1.31	303
401430175	2013	3	25	24	V	1.5	0	1.6	311
401430175	2013	3	26	1	V	1.4	0	1.2	312
401430175	2013	3	26	2	V	1.1	0	1.03	292
401430175	2013	3	26	3	V	1.4	0	1.08	242
401430175	2013	3	26	4	V	3.0	0	0.87	242
401430175	2013	3	26	5	V	12.9	0	0.62	233
401430175	2013	3	26	6	V	10.9	0	1.13	214
401430175	2013	3	26	7	V	1.2	0	1.11	289
401430175	2013	3	26	8	V	4.2	0	1.71	337
401430175	2013	3	26	9	V	1.5	0	2.27	2
401430175	2013	3	26	10	V	2.7	0	2.45	331
401430175	2013	3	26	11	V	2.2	0	2.54	301
401430175	2013	3	26	12	V	2.6	0	2.27	308
401430175	2013	3	26	13	V	3.2	0	1.72	279
401430175	2013	3	26	14	V	3.0	5	1.86	343
401430175	2013	3	26	15	V	5.6	1	2.3	213
401430175	2013	3	26	16	V	2.5	0	2.06	309
401430175	2013	3	26	17	V	5.5	3	2.05	157
401430175	2013	3	26	18	V	3.8	2	2.71	134
401430175	2013	3	26	19	V	1.5	0	2.83	146
401430175	2013	3	26	20	V	2.9	0	2.74	139
401430175	2013	3	26	21	V	2.7	0	2.39	143
401430175	2013	3	26	22	V	1.4	0	2.15	148
401430175	2013	3	26	23	V	2.9	0	1.86	163
401430175	2013	3	26	24	V	2.4	0	2.06	161
401430175	2013	3	27	1	V	2.5	0	2.13	162
401430175	2013	3	27	2	V	1.8	0	2.06	161
401430175	2013	3	27	3	V	4.8	0	2.01	169
401430175	2013	3	27	4	V	4.3	0	1.62	165
401430175	2013	3	27	5	V	9.8	0	1.25	168
401430175	2013	3	27	6	V	0.6	0	1.5	150
401430175	2013	3	27	7	V	1.1	0	1.69	131
401430175	2013	3	27	8	V	5.2	0	2.45	154
401430175	2013	3	27	9	V	4.3	5	5.38	170
401430175	2013	3	27	10	V	6.2	10	5.96	172
401430175	2013	3	27	11	V	4.8	7	7.91	178
401430175	2013	3	27	12	V	5.3	8	7.71	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	27	13	V	5.3	7	7.15	177
401430175	2013	3	27	14	V	4.7	8	8	183
401430175	2013	3	27	15	V	4.0	6	8.15	186
401430175	2013	3	27	16	V	4.8	6	6.91	188
401430175	2013	3	27	17	V	6.6	11	6.06	188
401430175	2013	3	27	18	V	7.1	11	5.67	180
401430175	2013	3	27	19	V	3.9	18	3.8	172
401430175	2013	3	27	20	V	3.3	1	3.74	156
401430175	2013	3	27	21	V	3.3	0	3.64	156
401430175	2013	3	27	22	V	4.7	3	4.56	171
401430175	2013	3	27	23	V	3.9	22	4.46	169
401430175	2013	3	27	24	V	4.2	16	3.49	176
401430175	2013	3	28	1	V	4.6	2	3.1	170
401430175	2013	3	28	2	V	2.3	1	2.23	163
401430175	2013	3	28	3	V	2.9	1	2.67	167
401430175	2013	3	28	4	V	3.9	1	2.1	167
401430175	2013	3	28	5	V	6.3	0	2.01	173
401430175	2013	3	28	6	V	2.8	1	2.21	178
401430175	2013	3	28	7	V	1.6	0	2.06	188
401430175	2013	3	28	8	V	7.9	1	3.71	173
401430175	2013	3	28	9	V	4.4	8	4.41	175
401430175	2013	3	28	10	V	5.1	5	5.31	189
401430175	2013	3	28	11	V	4.9	8	5.14	181
401430175	2013	3	28	12	V	5.3	5	4.83	176
401430175	2013	3	28	13	V	4.9	3	4.22	168
401430175	2013	3	28	14	V	4.7	0	4.87	164
401430175	2013	3	28	15	V	4.2	0	4.78	165
401430175	2013	3	28	16	V	4.9	2	5.73	166
401430175	2013	3	28	17	V	7.3	8	5.82	169
401430175	2013	3	28	18	V	8.3	7	5.65	170
401430175	2013	3	28	19	V	3.9	23	5.02	179
401430175	2013	3	28	20	V	6.0	18	3.51	173
401430175	2013	3	28	21	V	5.8	14	3	168
401430175	2013	3	28	22	V	4.5	1	3.4	169
401430175	2013	3	28	23	V	4.3	8	2.89	177
401430175	2013	3	28	24	V	2.2	3	2.54	187
401430175	2013	3	29	1	V	11.3	2	0.74	172
401430175	2013	3	29	2	V	2.0	1	0.69	118
401430175	2013	3	29	3	V	13.1	0	0.82	208
401430175	2013	3	29	4	V	18.2	0	0.6	222
401430175	2013	3	29	5	V	13.7	0	0.55	198
401430175	2013	3	29	6	C	-999	0	0	0
401430175	2013	3	29	7	V	2.7	0	0.6	323
401430175	2013	3	29	8	V	9.8	1	0.57	148
401430175	2013	3	29	9	V	3.3	-999	0.97	98
401430175	2013	3	29	10	V	3.9	7	1.96	47

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	29	11	V	2.3	1	1.77	70
401430175	2013	3	29	12	V	4.1	0	2.74	42
401430175	2013	3	29	13	V	2.4	0	4.41	63
401430175	2013	3	29	14	V	2.4	0	4.66	86
401430175	2013	3	29	15	V	1.7	0	5.55	90
401430175	2013	3	29	16	V	2.0	0	5.77	120
401430175	2013	3	29	17	V	3.7	1	5.29	140
401430175	2013	3	29	18	V	3.7	0	4.88	143
401430175	2013	3	29	19	V	1.5	0	4.24	138
401430175	2013	3	29	20	V	2.9	0	3.2	120
401430175	2013	3	29	21	V	2.7	0	4.71	128
401430175	2013	3	29	22	V	1.4	0	3.18	93
401430175	2013	3	29	23	V	1.1	0	2.4	106
401430175	2013	3	29	24	V	1.5	0	2.33	136
401430175	2013	3	30	1	V	1.3	0	2.61	143
401430175	2013	3	30	2	V	3.2	0	3.17	163
401430175	2013	3	30	3	V	0.8	1	3.9	153
401430175	2013	3	30	4	V	3.2	3	3.88	167
401430175	2013	3	30	5	V	4.2	22	3.86	175
401430175	2013	3	30	6	V	2.2	4	4.92	161
401430175	2013	3	30	7	V	2.1	9	2.32	206
401430175	2013	3	30	8	V	4.0	6	3.23	131
401430175	2013	3	30	9	V	1.3	0	3.71	91
401430175	2013	3	30	10	V	3.2	0	2.98	148
401430175	2013	3	30	11	V	2.4	2	4.03	147
401430175	2013	3	30	12	V	5.2	11	5.65	178
401430175	2013	3	30	13	V	5.4	17	5.36	192
401430175	2013	3	30	14	V	5.0	9	5.43	184
401430175	2013	3	30	15	V	5.4	15	4.8	176
401430175	2013	3	30	16	V	5.5	24	4.1	185
401430175	2013	3	30	17	V	7.6	8	3.8	189
401430175	2013	3	30	18	V	7.6	2	2.62	171
401430175	2013	3	30	19	V	1.6	1	1.77	153
401430175	2013	3	30	20	V	2.9	0	1.65	78
401430175	2013	3	30	21	V	2.8	0	1.26	256
401430175	2013	3	30	22	V	1.8	0	0.86	293
401430175	2013	3	30	23	V	1.1	0	1.96	7
401430175	2013	3	30	24	V	1.5	0	1.52	357
401430175	2013	3	31	1	V	1.4	0	1.2	296
401430175	2013	3	31	2	V	0.9	0	1.48	342
401430175	2013	3	31	3	V	0.5	0	1.4	344
401430175	2013	3	31	4	V	0.5	0	2.5	325
401430175	2013	3	31	5	V	1.4	0	6.7	354
401430175	2013	3	31	6	V	0.5	0	3.41	11
401430175	2013	3	31	7	V	1.1	0	4.53	7
401430175	2013	3	31	8	V	4.0	0	4.87	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	3	31	9	V	1.3	0	4.37	11
401430175	2013	3	31	10	V	2.5	0	5.48	14
401430175	2013	3	31	11	V	2.0	0	5.55	15
401430175	2013	3	31	12	V	2.3	0	5.75	9
401430175	2013	3	31	13	V	2.5	0	4.85	7
401430175	2013	3	31	14	V	2.5	0	4.39	15
401430175	2013	3	31	15	V	2.0	0	3.61	17
401430175	2013	3	31	16	V	2.4	0	3.78	32
401430175	2013	3	31	17	V	4.3	0	3.07	38
401430175	2013	3	31	18	V	4.1	0	2.3	32
401430175	2013	3	31	19	V	5.2	0	1.52	43
401430175	2013	3	31	20	V	3.2	0	0.96	10
401430175	2013	3	31	21	V	4.0	0	0.65	299
401430175	2013	3	31	22	V	2.4	0	0.7	282
401430175	2013	3	31	23	V	2.3	0	0.63	308
401430175	2013	3	31	24	V	17.6	0	0.72	215
401430175	2013	4	1	1	V	16.7	0	1.01	220
401430175	2013	4	1	2	V	5.5	0	0.6	246
401430175	2013	4	1	3	V	1.5	0	0.69	274
401430175	2013	4	1	4	V	1.1	0	0.79	319
401430175	2013	4	1	5	V	2.4	0	0.7	351
401430175	2013	4	1	6	V	2.8	1	0.52	325
401430175	2013	4	1	7	V	1.1	0	2.86	15
401430175	2013	4	1	8	V	4.0	0	5.38	7
401430175	2013	4	1	9	V	1.3	0	5.43	17
401430175	2013	4	1	10	V	2.4	0	5.44	14
401430175	2013	4	1	11	V	2.0	0	5.92	26
401430175	2013	4	1	12	V	2.3	1	5.84	32
401430175	2013	4	1	13	V	2.4	1	6.06	24
401430175	2013	4	1	14	V	2.4	0	7.08	20
401430175	2013	4	1	15	V	1.7	0	7.04	28
401430175	2013	4	1	16	V	2.1	0	7.26	32
401430175	2013	4	1	17	V	3.7	0	7.14	29
401430175	2013	4	1	18	V	3.7	1	7.01	24
401430175	2013	4	1	19	V	1.5	0	6.18	17
401430175	2013	4	1	20	V	2.9	0	5.87	24
401430175	2013	4	1	21	V	2.7	0	6.38	30
401430175	2013	4	1	22	V	1.4	0	7.37	30
401430175	2013	4	1	23	V	1.3	0	6.69	36
401430175	2013	4	1	24	V	2.6	2	6.72	42
401430175	2013	4	2	1	V	1.3	0	6.04	32
401430175	2013	4	2	2	V	1.0	1	6.82	29
401430175	2013	4	2	3	V	0.7	1	6.58	36
401430175	2013	4	2	4	V	0.6	0	6.45	33
401430175	2013	4	2	5	V	1.5	0	6.02	34
401430175	2013	4	2	6	V	0.8	0	5.94	36

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	2	7	V	1.1	0	6.35	31
401430175	2013	4	2	8	V	4.1	0	6.8	40
401430175	2013	4	2	9	V	2.4	0	6.75	45
401430175	2013	4	2	10	V	2.5	0	7.16	52
401430175	2013	4	2	11	V	2.0	0	5.07	57
401430175	2013	4	2	12	V	2.4	0	4.39	34
401430175	2013	4	2	13	V	3.4	0	5.87	48
401430175	2013	4	2	14	V	3.5	0	5.55	48
401430175	2013	4	2	15	V	3.3	0	5.63	46
401430175	2013	4	2	16	V	3.1	0	6.16	41
401430175	2013	4	2	17	V	5.2	0	5.94	44
401430175	2013	4	2	18	V	5.0	0	5.38	46
401430175	2013	4	2	19	V	2.9	0	5.7	46
401430175	2013	4	2	20	V	4.0	0	5	48
401430175	2013	4	2	21	V	3.5	0	5.99	49
401430175	2013	4	2	22	V	2.0	0	5.58	50
401430175	2013	4	2	23	V	1.5	0	5.38	51
401430175	2013	4	2	24	V	2.1	0	4.92	50
401430175	2013	4	3	1	V	1.4	0	4.41	54
401430175	2013	4	3	2	V	2.1	0	4.49	47
401430175	2013	4	3	3	V	1.4	0	5.31	40
401430175	2013	4	3	4	V	2.4	0	4.65	44
401430175	2013	4	3	5	V	3.3	0	4.32	45
401430175	2013	4	3	6	V	0.9	0	4.22	51
401430175	2013	4	3	7	V	1.1	0	4.68	64
401430175	2013	4	3	8	V	4.2	0	4.02	33
401430175	2013	4	3	9	V	2.1	0	3.46	52
401430175	2013	4	3	10	V	2.6	0	4.92	53
401430175	2013	4	3	11	V	3.9	0	5.02	42
401430175	2013	4	3	12	V	2.5	0	5.41	36
401430175	2013	4	3	13	V	2.4	0	5.09	28
401430175	2013	4	3	14	V	2.5	0	2.21	336
401430175	2013	4	3	15	V	3.0	0	1.28	145
401430175	2013	4	3	16	V	2.5	1	1.59	30
401430175	2013	4	3	17	V	3.8	0	1.72	11
401430175	2013	4	3	18	V	3.7	0	1.65	357
401430175	2013	4	3	19	V	1.5	0	1.86	347
401430175	2013	4	3	20	V	2.9	0	1.77	350
401430175	2013	4	3	21	V	2.7	0	2.88	357
401430175	2013	4	3	22	V	1.4	0	2.61	14
401430175	2013	4	3	23	V	1.1	0	1.98	11
401430175	2013	4	3	24	V	1.5	0	2.23	19
401430175	2013	4	4	1	V	1.3	0	1.81	348
401430175	2013	4	4	2	V	0.9	0	1.89	326
401430175	2013	4	4	3	V	0.4	0	2.06	333
401430175	2013	4	4	4	V	0.5	0	2.06	340

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	4	5	V	1.4	0	1.86	345
401430175	2013	4	4	6	V	0.5	0	2.16	351
401430175	2013	4	4	7	V	1.2	0	1.21	333
401430175	2013	4	4	8	V	4.2	0	1.43	329
401430175	2013	4	4	9	V	1.5	0	2.4	333
401430175	2013	4	4	10	V	2.6	0	2.95	325
401430175	2013	4	4	11	V	2.0	0	2.71	311
401430175	2013	4	4	12	V	2.3	0	2.62	296
401430175	2013	4	4	13	V	2.5	0	2.45	335
401430175	2013	4	4	14	V	2.4	0	3.59	347
401430175	2013	4	4	15	V	1.8	0	3.66	3
401430175	2013	4	4	16	V	2.1	0	4.09	24
401430175	2013	4	4	17	V	3.8	0	3.46	12
401430175	2013	4	4	18	V	3.8	0	2.76	353
401430175	2013	4	4	19	V	1.5	0	1.45	333
401430175	2013	4	4	20	V	3.7	0	0.62	309
401430175	2013	4	4	21	V	2.7	0	1.59	292
401430175	2013	4	4	22	V	1.4	0	2.22	298
401430175	2013	4	4	23	V	10.3	0	0.87	232
401430175	2013	4	4	24	V	2.8	0	0.63	269
401430175	2013	4	5	1	V	4.4	0	0.86	241
401430175	2013	4	5	2	V	11.4	0	0.57	236
401430175	2013	4	5	3	V	1.0	0	0.79	269
401430175	2013	4	5	4	V	13.3	0	1.2	222
401430175	2013	4	5	5	V	10.0	0	0.8	183
401430175	2013	4	5	6	V	5.5	0	0.69	242
401430175	2013	4	5	7	V	4.9	0	1.03	236
401430175	2013	4	5	8	V	11.3	0	0.91	201
401430175	2013	4	5	9	V	5.3	0	1.47	243
401430175	2013	4	5	10	V	6.8	-999	1.93	170
401430175	2013	4	5	11	V	6.3	1	2.79	191
401430175	2013	4	5	12	V	6.5	1	3.91	195
401430175	2013	4	5	13	V	5.9	1	4.02	187
401430175	2013	4	5	14	V	5.8	1	4.59	189
401430175	2013	4	5	15	V	5.1	1	5.05	191
401430175	2013	4	5	16	V	6.4	0	4.88	196
401430175	2013	4	5	17	V	7.0	1	4.94	191
401430175	2013	4	5	18	V	6.6	0	5.16	182
401430175	2013	4	5	19	V	4.2	1	4.46	167
401430175	2013	4	5	20	V	5.2	1	4.36	178
401430175	2013	4	5	21	V	3.4	1	3.56	186
401430175	2013	4	5	22	V	2.1	0	4.99	188
401430175	2013	4	5	23	V	4.2	1	5.26	176
401430175	2013	4	5	24	V	3.9	2	4.77	178
401430175	2013	4	6	1	V	3.1	1	4.42	180
401430175	2013	4	6	2	V	3.2	2	4.51	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	6	3	V	3.4	1	4.76	175
401430175	2013	4	6	4	V	2.9	1	3.32	165
401430175	2013	4	6	5	V	4.5	2	3.15	168
401430175	2013	4	6	6	V	3.9	2	2.74	170
401430175	2013	4	6	7	V	3.6	2	4.99	179
401430175	2013	4	6	8	V	7.5	1	4.75	195
401430175	2013	4	6	9	V	3.4	1	6.14	185
401430175	2013	4	6	10	V	4.5	1	8.18	190
401430175	2013	4	6	11	V	5.5	1	9.19	197
401430175	2013	4	6	12	V	5.4	1	8.35	195
401430175	2013	4	6	13	V	9.3	1	6.92	216
401430175	2013	4	6	14	V	9.3	1	6.79	216
401430175	2013	4	6	15	V	8.7	1	5.89	221
401430175	2013	4	6	16	V	8.9	1	5.92	211
401430175	2013	4	6	17	V	11.7	1	5.12	216
401430175	2013	4	6	18	V	12.8	1	4.2	214
401430175	2013	4	6	19	V	1.7	1	1.26	243
401430175	2013	4	6	20	V	6.9	0	1.14	199
401430175	2013	4	6	21	V	3.2	1	2.95	203
401430175	2013	4	6	22	V	8.1	1	1.43	227
401430175	2013	4	6	23	C	-999	1	0	0
401430175	2013	4	6	24	V	4.6	0	0.52	147
401430175	2013	4	7	1	C	-999	0	0	0
401430175	2013	4	7	2	C	-999	0	0	0
401430175	2013	4	7	3	C	-999	1	0	0
401430175	2013	4	7	4	C	-999	0	0	0
401430175	2013	4	7	5	C	-999	0	0	0
401430175	2013	4	7	6	V	16.2	0	0.69	211
401430175	2013	4	7	7	C	-999	0	0	0
401430175	2013	4	7	8	V	5.1	0	1.26	134
401430175	2013	4	7	9	V	4.2	0	3.71	162
401430175	2013	4	7	10	V	7.6	0	5.41	171
401430175	2013	4	7	11	V	6.9	0	5.34	170
401430175	2013	4	7	12	V	4.2	0	5.7	161
401430175	2013	4	7	13	V	5.7	0	6.16	165
401430175	2013	4	7	14	V	6.3	0	7.54	168
401430175	2013	4	7	15	V	5.9	0	7.91	169
401430175	2013	4	7	16	V	6.3	0	7.74	169
401430175	2013	4	7	17	V	7.3	0	6.91	166
401430175	2013	4	7	18	V	7.5	0	6.4	166
401430175	2013	4	7	19	V	5.4	0	5.26	171
401430175	2013	4	7	20	V	6.1	0	4.02	170
401430175	2013	4	7	21	V	5.5	0	3.3	165
401430175	2013	4	7	22	V	3.9	0	3.12	163
401430175	2013	4	7	23	V	2.9	0	3.01	161
401430175	2013	4	7	24	V	3.3	0	2.86	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	8	1	V	2.1	0	3.22	156
401430175	2013	4	8	2	V	1.1	0	3.32	151
401430175	2013	4	8	3	V	0.9	0	2.98	154
401430175	2013	4	8	4	V	1.4	0	3.34	157
401430175	2013	4	8	5	V	4.2	0	4.24	166
401430175	2013	4	8	6	V	1.8	0	4.51	159
401430175	2013	4	8	7	V	2.1	0	4.82	157
401430175	2013	4	8	8	V	4.2	0	5.36	154
401430175	2013	4	8	9	V	1.4	0	5.21	151
401430175	2013	4	8	10	V	2.5	0	4.61	145
401430175	2013	4	8	11	V	2.2	0	4.66	152
401430175	2013	4	8	12	V	3.4	0	5.39	158
401430175	2013	4	8	13	V	3.3	0	5.58	157
401430175	2013	4	8	14	V	3.9	0	6.55	160
401430175	2013	4	8	15	V	2.5	0	6.7	157
401430175	2013	4	8	16	V	5.1	0	7.43	165
401430175	2013	4	8	17	V	8.1	0	7.91	170
401430175	2013	4	8	18	V	8.8	0	6.7	170
401430175	2013	4	8	19	V	7.1	0	6.94	170
401430175	2013	4	8	20	V	5.8	0	5.67	164
401430175	2013	4	8	21	V	4.6	0	5.33	161
401430175	2013	4	8	22	V	5.6	0	5.94	169
401430175	2013	4	8	23	V	4.1	0	4.27	167
401430175	2013	4	8	24	V	4.4	0	4.48	166
401430175	2013	4	9	1	V	4.7	1	5.07	169
401430175	2013	4	9	2	V	5.0	1	6.01	171
401430175	2013	4	9	3	V	6.6	1	7.69	172
401430175	2013	4	9	4	V	6.4	0	7.18	172
401430175	2013	4	9	5	V	6.8	0	6.7	173
401430175	2013	4	9	6	V	5.9	0	6.74	173
401430175	2013	4	9	7	V	5.9	0	6.23	173
401430175	2013	4	9	8	V	9.0	0	6.07	175
401430175	2013	4	9	9	V	5.5	0	5.84	167
401430175	2013	4	9	10	V	7.4	0	6.31	172
401430175	2013	4	9	11	V	6.3	0	5.97	176
401430175	2013	4	9	12	V	4.7	0	5.14	185
401430175	2013	4	9	13	V	6.8	0	5.87	169
401430175	2013	4	9	14	V	7.2	0	4.88	172
401430175	2013	4	9	15	V	6.3	0	5.68	169
401430175	2013	4	9	16	V	7.0	0	4.53	170
401430175	2013	4	9	17	V	7.6	0	2.79	165
401430175	2013	4	9	18	V	9.1	0	3.22	169
401430175	2013	4	9	19	V	4.3	0	4.58	165
401430175	2013	4	9	20	V	5.7	0	4.08	166
401430175	2013	4	9	21	V	3.8	0	3.06	197
401430175	2013	4	9	22	V	1.4	0	4.75	288

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	9	23	V	1.1	0	5.22	289
401430175	2013	4	9	24	V	1.5	0	4.43	325
401430175	2013	4	10	1	V	1.3	0	3.29	339
401430175	2013	4	10	2	V	0.9	0	3.17	305
401430175	2013	4	10	3	V	0.4	0	3.08	314
401430175	2013	4	10	4	V	0.6	0	4.73	319
401430175	2013	4	10	5	V	1.4	0	4.03	350
401430175	2013	4	10	6	V	0.5	0	3	327
401430175	2013	4	10	7	V	1.1	0	3.76	321
401430175	2013	4	10	8	V	4.0	0	3.56	312
401430175	2013	4	10	9	V	1.3	0	3.66	316
401430175	2013	4	10	10	V	2.5	0	4.32	325
401430175	2013	4	10	11	V	2.0	0	3.66	319
401430175	2013	4	10	12	V	2.3	0	3.76	309
401430175	2013	4	10	13	V	2.4	0	4.15	327
401430175	2013	4	10	14	V	2.5	0	3.01	306
401430175	2013	4	10	15	V	1.8	0	3.88	307
401430175	2013	4	10	16	V	2.1	0	4	310
401430175	2013	4	10	17	V	3.7	0	3.69	312
401430175	2013	4	10	18	V	3.7	0	3.32	304
401430175	2013	4	10	19	V	1.5	0	3.78	306
401430175	2013	4	10	20	V	2.9	0	3.37	309
401430175	2013	4	10	21	V	2.7	0	3.39	308
401430175	2013	4	10	22	V	1.4	0	2.61	309
401430175	2013	4	10	23	V	1.1	0	3.34	303
401430175	2013	4	10	24	V	1.5	0	3.08	318
401430175	2013	4	11	1	V	1.3	0	3.52	319
401430175	2013	4	11	2	V	0.9	0	3.32	312
401430175	2013	4	11	3	V	0.4	0	2.1	327
401430175	2013	4	11	4	V	0.5	0	2.76	321
401430175	2013	4	11	5	V	1.4	0	3.27	310
401430175	2013	4	11	6	V	0.5	0	3.1	313
401430175	2013	4	11	7	V	1.1	0	2.27	325
401430175	2013	4	11	8	V	4.1	0	3.13	331
401430175	2013	4	11	9	V	1.4	0	3.08	304
401430175	2013	4	11	10	V	2.6	0	3.22	303
401430175	2013	4	11	11	V	2.1	0	2.93	315
401430175	2013	4	11	12	V	2.4	0	3.46	297
401430175	2013	4	11	13	V	2.6	0	2.95	265
401430175	2013	4	11	14	V	2.6	0	3.08	271
401430175	2013	4	11	15	V	2.0	0	3.03	264
401430175	2013	4	11	16	V	2.2	0	3.42	270
401430175	2013	4	11	17	V	3.8	0	3.66	273
401430175	2013	4	11	18	V	3.8	0	2.64	273
401430175	2013	4	11	19	V	1.5	0	1.65	277
401430175	2013	4	11	20	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	11	21	C	-999	0	0	0
401430175	2013	4	11	22	V	4.9	0	0.58	250
401430175	2013	4	11	23	V	3.1	1	0.57	261
401430175	2013	4	11	24	V	20.0	1	0.58	217
401430175	2013	4	12	1	V	4.6	0	0.55	252
401430175	2013	4	12	2	C	-999	0	0	0
401430175	2013	4	12	3	V	0.5	0	1.89	351
401430175	2013	4	12	4	V	0.5	0	2.03	9
401430175	2013	4	12	5	V	1.4	0	2.61	10
401430175	2013	4	12	6	V	0.6	0	1.26	357
401430175	2013	4	12	7	V	1.1	0	1.72	13
401430175	2013	4	12	8	V	4.1	0	3.01	345
401430175	2013	4	12	9	V	1.4	0	2.67	328
401430175	2013	4	12	10	V	2.6	0	2.88	322
401430175	2013	4	12	11	V	2.0	0	4.07	318
401430175	2013	4	12	12	V	2.4	0	3.51	311
401430175	2013	4	12	13	V	2.5	0	3.17	309
401430175	2013	4	12	14	V	2.5	0	3.13	315
401430175	2013	4	12	15	V	1.9	0	3.1	357
401430175	2013	4	12	16	V	2.3	0	3.63	30
401430175	2013	4	12	17	V	4.2	0	2.4	31
401430175	2013	4	12	18	V	4.6	0	1.52	48
401430175	2013	4	12	19	V	1.8	0	0.79	21
401430175	2013	4	12	20	V	3.0	0	1.26	30
401430175	2013	4	12	21	V	2.9	0	1.21	33
401430175	2013	4	12	22	V	3.3	1	1.79	40
401430175	2013	4	12	23	V	1.1	1	1.98	58
401430175	2013	4	12	24	V	1.5	0	2.25	26
401430175	2013	4	13	1	V	1.3	0	1.74	27
401430175	2013	4	13	2	V	1.0	0	2.13	53
401430175	2013	4	13	3	V	0.5	0	1.37	71
401430175	2013	4	13	4	V	0.7	0	1.21	64
401430175	2013	4	13	5	V	7.3	0	1.08	200
401430175	2013	4	13	6	V	0.6	0	1.28	250
401430175	2013	4	13	7	V	1.1	1	1.38	90
401430175	2013	4	13	8	V	4.3	0	1.84	142
401430175	2013	4	13	9	V	1.5	0	2.18	134
401430175	2013	4	13	10	V	4.1	0	3.42	158
401430175	2013	4	13	11	V	3.8	0	4.31	160
401430175	2013	4	13	12	V	4.9	2	6.12	164
401430175	2013	4	13	13	V	5.6	2	6.41	165
401430175	2013	4	13	14	V	5.0	3	6.19	164
401430175	2013	4	13	15	V	5.0	6	6.7	167
401430175	2013	4	13	16	V	4.8	8	6.16	164
401430175	2013	4	13	17	V	7.9	1	6.36	171
401430175	2013	4	13	18	V	5.7	4	6.94	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	13	19	V	4.8	14	4.76	173
401430175	2013	4	13	20	V	5.1	16	4.41	179
401430175	2013	4	13	21	V	4.8	14	3.49	164
401430175	2013	4	13	22	V	3.2	4	3.91	164
401430175	2013	4	13	23	V	3.0	3	3.9	165
401430175	2013	4	13	24	V	4.3	7	3.73	170
401430175	2013	4	14	1	V	3.9	18	3.41	166
401430175	2013	4	14	2	V	1.9	7	3.17	160
401430175	2013	4	14	3	V	2.6	10	4.36	165
401430175	2013	4	14	4	V	0.5	9	2.89	148
401430175	2013	4	14	5	V	2.3	4	3.61	159
401430175	2013	4	14	6	V	3.1	3	3.76	168
401430175	2013	4	14	7	V	3.0	2	4.85	162
401430175	2013	4	14	8	V	7.5	21	6.02	169
401430175	2013	4	14	9	V	5.0	22	6.99	177
401430175	2013	4	14	10	V	4.8	11	9.24	181
401430175	2013	4	14	11	V	5.2	9	9.3	176
401430175	2013	4	14	12	V	5.6	14	9.41	174
401430175	2013	4	14	13	V	4.9	8	8.54	181
401430175	2013	4	14	14	V	5.2	9	8.85	193
401430175	2013	4	14	15	V	4.3	13	7.45	188
401430175	2013	4	14	16	V	7.4	5	7.93	203
401430175	2013	4	14	17	V	6.9	8	6.43	192
401430175	2013	4	14	18	V	6.4	10	6.11	191
401430175	2013	4	14	19	V	2.4	12	4.37	187
401430175	2013	4	14	20	V	5.5	6	2.4	177
401430175	2013	4	14	21	V	8.3	4	0.91	196
401430175	2013	4	14	22	V	7.9	2	0.63	159
401430175	2013	4	14	23	V	1.1	1	4.92	5
401430175	2013	4	14	24	V	1.5	0	6.57	18
401430175	2013	4	15	1	V	1.4	0	6.6	22
401430175	2013	4	15	2	V	1.0	0	7.76	25
401430175	2013	4	15	3	V	0.5	0	8.1	29
401430175	2013	4	15	4	V	0.6	0	9.63	31
401430175	2013	4	15	5	V	1.5	0	8.86	32
401430175	2013	4	15	6	V	0.9	1	8.03	36
401430175	2013	4	15	7	V	1.5	2	6.75	37
401430175	2013	4	15	8	V	4.7	0	6.19	40
401430175	2013	4	15	9	V	2.2	0	5.87	48
401430175	2013	4	15	10	V	2.4	0	4.49	27
401430175	2013	4	15	11	V	1.9	1	5.02	24
401430175	2013	4	15	12	V	2.2	1	4.8	26
401430175	2013	4	15	13	V	2.4	2	3.75	19
401430175	2013	4	15	14	V	2.6	3	2.74	5
401430175	2013	4	15	15	V	2.1	2	2.37	21
401430175	2013	4	15	16	V	2.2	2	2.95	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	15	17	V	3.7	1	3.71	6
401430175	2013	4	15	18	V	3.7	0	4.54	15
401430175	2013	4	15	19	V	1.5	0	5.89	21
401430175	2013	4	15	20	V	2.9	0	6.06	23
401430175	2013	4	15	21	V	2.7	0	6.43	20
401430175	2013	4	15	22	V	1.4	1	6.16	17
401430175	2013	4	15	23	V	1.1	1	6.04	23
401430175	2013	4	15	24	V	1.5	0	6.07	26
401430175	2013	4	16	1	V	1.3	0	6.41	32
401430175	2013	4	16	2	V	1.1	1	5.89	36
401430175	2013	4	16	3	V	1.5	1	5.19	40
401430175	2013	4	16	4	V	2.2	1	4.7	42
401430175	2013	4	16	5	V	1.5	1	5.31	34
401430175	2013	4	16	6	V	0.5	1	4.9	23
401430175	2013	4	16	7	V	1.1	0	4.85	23
401430175	2013	4	16	8	V	4.0	0	5.19	27
401430175	2013	4	16	9	V	1.3	0	5.72	30
401430175	2013	4	16	10	V	2.4	0	5.1	29
401430175	2013	4	16	11	V	2.0	0	4.19	14
401430175	2013	4	16	12	V	2.2	0	4.8	20
401430175	2013	4	16	13	V	2.4	1	4	24
401430175	2013	4	16	14	V	2.4	1	3.4	6
401430175	2013	4	16	15	V	1.8	0	3.8	3
401430175	2013	4	16	16	V	2.1	1	4.02	8
401430175	2013	4	16	17	V	3.7	1	4.17	5
401430175	2013	4	16	18	V	3.7	0	4.49	12
401430175	2013	4	16	19	V	1.5	0	3.97	9
401430175	2013	4	16	20	V	2.9	0	3.59	13
401430175	2013	4	16	21	V	2.7	0	3	8
401430175	2013	4	16	22	V	1.4	0	3.47	15
401430175	2013	4	16	23	V	1.1	0	2.67	14
401430175	2013	4	16	24	V	1.5	0	2.86	13
401430175	2013	4	17	1	V	1.3	0	3	24
401430175	2013	4	17	2	V	0.9	0	3.1	30
401430175	2013	4	17	3	V	0.4	0	2.55	24
401430175	2013	4	17	4	V	0.6	0	2.27	33
401430175	2013	4	17	5	V	5.0	0	1.23	40
401430175	2013	4	17	6	V	15.0	0	0.82	212
401430175	2013	4	17	7	V	1.6	1	0.96	247
401430175	2013	4	17	8	V	4.2	1	2.11	86
401430175	2013	4	17	9	V	5.2	1	5.82	171
401430175	2013	4	17	10	V	5.8	11	7.47	176
401430175	2013	4	17	11	V	5.5	-999	6.82	175
401430175	2013	4	17	12	V	4.7	7	8.05	180
401430175	2013	4	17	13	V	4.3	8	7.96	184
401430175	2013	4	17	14	V	6.5	10	7.89	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	17	15	V	6.2	9	7.64	172
401430175	2013	4	17	16	V	5.9	11	9.42	174
401430175	2013	4	17	17	V	8.1	19	7.38	175
401430175	2013	4	17	18	V	9.0	18	6.45	173
401430175	2013	4	17	19	V	5.0	18	5.02	169
401430175	2013	4	17	20	V	4.8	2	5.27	161
401430175	2013	4	17	21	V	4.5	0	5.63	160
401430175	2013	4	17	22	V	2.5	0	4.42	205
401430175	2013	4	17	23	V	1.1	2	3.59	304
401430175	2013	4	17	24	V	2.1	3	3.49	195
401430175	2013	4	18	1	V	2.1	5	2.76	190
401430175	2013	4	18	2	V	0.9	1	3.88	284
401430175	2013	4	18	3	V	0.4	0	4.46	284
401430175	2013	4	18	4	V	0.6	0	5.22	298
401430175	2013	4	18	5	V	1.4	0	4.39	314
401430175	2013	4	18	6	V	0.5	0	3.9	305
401430175	2013	4	18	7	V	1.1	0	4.88	309
401430175	2013	4	18	8	V	4.0	0	4.17	312
401430175	2013	4	18	9	V	1.3	0	4.27	307
401430175	2013	4	18	10	V	2.5	0	4.54	312
401430175	2013	4	18	11	V	2.0	0	4.68	315
401430175	2013	4	18	12	V	2.3	0	4.05	311
401430175	2013	4	18	13	V	2.4	0	4.65	314
401430175	2013	4	18	14	V	2.4	0	4.61	307
401430175	2013	4	18	15	V	1.8	0	4.75	307
401430175	2013	4	18	16	V	2.0	0	4.93	309
401430175	2013	4	18	17	V	3.7	0	4.99	322
401430175	2013	4	18	18	V	3.7	0	4.9	322
401430175	2013	4	18	19	V	1.5	0	4.61	309
401430175	2013	4	18	20	V	2.9	0	4.54	320
401430175	2013	4	18	21	V	2.7	0	4.2	321
401430175	2013	4	18	22	V	1.4	0	3.46	325
401430175	2013	4	18	23	V	1.1	0	3.12	315
401430175	2013	4	18	24	V	1.5	0	2.52	298
401430175	2013	4	19	1	V	1.3	0	2.27	292
401430175	2013	4	19	2	V	0.9	0	2.11	281
401430175	2013	4	19	3	V	0.5	0	1.74	282
401430175	2013	4	19	4	V	0.5	0	2.44	286
401430175	2013	4	19	5	V	1.4	0	2.3	283
401430175	2013	4	19	6	V	0.5	0	2.1	274
401430175	2013	4	19	7	V	1.1	0	2.39	272
401430175	2013	4	19	8	V	4.1	0	3.1	297
401430175	2013	4	19	9	V	1.4	0	3.4	291
401430175	2013	4	19	10	V	2.5	0	4.12	306
401430175	2013	4	19	11	V	2.1	0	4.1	302
401430175	2013	4	19	12	V	2.4	0	4.17	298

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	19	13	V	2.6	0	3.49	274
401430175	2013	4	19	14	V	2.6	0	3.83	260
401430175	2013	4	19	15	V	1.9	0	4.05	272
401430175	2013	4	19	16	V	2.2	0	3.98	270
401430175	2013	4	19	17	V	3.8	0	4	265
401430175	2013	4	19	18	V	3.9	0	2.62	267
401430175	2013	4	19	19	V	1.5	0	2.25	242
401430175	2013	4	19	20	V	9.7	0	1.31	229
401430175	2013	4	19	21	V	5.7	0	1.38	233
401430175	2013	4	19	22	C	-999	1	0	0
401430175	2013	4	19	23	V	1.2	0	1.16	328
401430175	2013	4	19	24	V	1.7	0	1.06	265
401430175	2013	4	20	1	V	15.1	0	1.09	218
401430175	2013	4	20	2	V	11.8	0	0.62	196
401430175	2013	4	20	3	V	8.8	0	0.75	235
401430175	2013	4	20	4	V	2.6	0	0.55	310
401430175	2013	4	20	5	C	-999	0	0	0
401430175	2013	4	20	6	C	-999	0	0	0
401430175	2013	4	20	7	C	-999	0	0	0
401430175	2013	4	20	8	V	4.5	0	1.89	140
401430175	2013	4	20	9	V	1.8	0	3.06	147
401430175	2013	4	20	10	V	4.7	2	2.78	158
401430175	2013	4	20	11	V	4.8	2	3.08	163
401430175	2013	4	20	12	V	2.4	0	3.86	139
401430175	2013	4	20	13	V	5.0	1	4.42	164
401430175	2013	4	20	14	V	5.9	4	6.18	174
401430175	2013	4	20	15	V	5.2	3	6.04	170
401430175	2013	4	20	16	V	5.5	0	7.26	168
401430175	2013	4	20	17	V	7.2	0	6.82	167
401430175	2013	4	20	18	V	5.7	7	5.77	160
401430175	2013	4	20	19	V	2.5	0	4.29	158
401430175	2013	4	20	20	V	2.9	0	3.12	137
401430175	2013	4	20	21	V	2.7	0	2.44	141
401430175	2013	4	20	22	V	1.4	0	2.33	129
401430175	2013	4	20	23	V	1.1	0	2.49	143
401430175	2013	4	20	24	V	1.7	0	2.98	156
401430175	2013	4	21	1	V	1.3	0	2.78	153
401430175	2013	4	21	2	V	2.2	0	3.49	161
401430175	2013	4	21	3	V	0.5	0	4.34	149
401430175	2013	4	21	4	V	1.9	0	4.24	161
401430175	2013	4	21	5	V	4.6	0	4.32	169
401430175	2013	4	21	6	V	4.0	1	4.85	173
401430175	2013	4	21	7	V	1.5	0	5.04	152
401430175	2013	4	21	8	V	4.5	0	5.07	154
401430175	2013	4	21	9	V	5.0	2	5.84	166
401430175	2013	4	21	10	V	6.5	6	5.99	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	21	11	V	5.2	0	5.43	165
401430175	2013	4	21	12	V	5.3	1	6.69	165
401430175	2013	4	21	13	V	4.7	3	6.28	163
401430175	2013	4	21	14	V	5.5	2	6.53	167
401430175	2013	4	21	15	V	3.9	1	5.9	161
401430175	2013	4	21	16	V	4.5	0	5.48	162
401430175	2013	4	21	17	V	6.5	0	5.7	163
401430175	2013	4	21	18	V	4.2	1	4.93	152
401430175	2013	4	21	19	V	3.7	0	3.8	165
401430175	2013	4	21	20	V	7.5	0	1.96	172
401430175	2013	4	21	21	V	5.0	0	0.63	248
401430175	2013	4	21	22	C	-999	0	0	0
401430175	2013	4	21	23	C	-999	0	0	0
401430175	2013	4	21	24	C	-999	0	0	0
401430175	2013	4	22	1	V	14.8	0	0.63	202
401430175	2013	4	22	2	V	2.6	0	1.74	162
401430175	2013	4	22	3	V	3.3	0	1.26	185
401430175	2013	4	22	4	V	14.8	0	0.79	212
401430175	2013	4	22	5	V	13.0	0	0.77	174
401430175	2013	4	22	6	V	4.7	0	1.03	160
401430175	2013	4	22	7	V	2.9	0	1.3	190
401430175	2013	4	22	8	V	5.3	0	2.89	155
401430175	2013	4	22	9	V	3.6	0	4.77	163
401430175	2013	4	22	10	V	6.2	0	6.48	169
401430175	2013	4	22	11	V	5.2	2	7.6	168
401430175	2013	4	22	12	V	6.2	3	7.13	170
401430175	2013	4	22	13	V	5.7	1	7.15	169
401430175	2013	4	22	14	V	6.7	8	7.67	172
401430175	2013	4	22	15	V	5.4	17	7.35	173
401430175	2013	4	22	16	V	5.4	5	7.11	178
401430175	2013	4	22	17	V	7.8	10	6.4	172
401430175	2013	4	22	18	V	8.4	9	5.43	170
401430175	2013	4	22	19	V	5.0	5	2.79	166
401430175	2013	4	22	20	V	5.7	1	4.48	166
401430175	2013	4	22	21	V	5.8	2	4.48	169
401430175	2013	4	22	22	V	4.5	22	3.73	170
401430175	2013	4	22	23	V	4.2	9	3.27	166
401430175	2013	4	22	24	V	4.6	2	2.89	165
401430175	2013	4	23	1	V	1.6	0	3.76	155
401430175	2013	4	23	2	V	5.3	2	2.22	172
401430175	2013	4	23	3	V	3.0	2	1.5	204
401430175	2013	4	23	4	V	0.5	0	2.3	333
401430175	2013	4	23	5	V	1.4	0	4.88	356
401430175	2013	4	23	6	V	0.5	0	5.44	5
401430175	2013	4	23	7	V	1.1	0	4.25	360
401430175	2013	4	23	8	V	4.0	0	4.58	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	23	9	V	1.3	0	4.66	358
401430175	2013	4	23	10	V	2.4	0	4.82	360
401430175	2013	4	23	11	V	1.9	0	4.83	353
401430175	2013	4	23	12	V	2.3	0	4.36	348
401430175	2013	4	23	13	V	2.4	0	4	347
401430175	2013	4	23	14	V	2.4	0	4.36	350
401430175	2013	4	23	15	V	1.7	0	4.49	354
401430175	2013	4	23	16	V	2.0	0	4.32	349
401430175	2013	4	23	17	V	3.7	0	3.97	347
401430175	2013	4	23	18	V	3.7	0	4.12	353
401430175	2013	4	23	19	V	1.5	0	4.2	347
401430175	2013	4	23	20	V	2.9	0	3.91	347
401430175	2013	4	23	21	V	2.7	0	4.37	353
401430175	2013	4	23	22	V	1.4	0	3.83	342
401430175	2013	4	23	23	V	1.1	0	3.63	341
401430175	2013	4	23	24	V	1.5	0	3.47	343
401430175	2013	4	24	1	V	1.3	0	2.84	334
401430175	2013	4	24	2	V	0.9	0	3.49	332
401430175	2013	4	24	3	V	0.4	0	3.71	335
401430175	2013	4	24	4	V	0.5	0	2.16	340
401430175	2013	4	24	5	V	1.4	0	1.76	343
401430175	2013	4	24	6	V	0.5	0	1.72	337
401430175	2013	4	24	7	V	1.1	0	2.01	337
401430175	2013	4	24	8	V	4.1	0	2.47	341
401430175	2013	4	24	9	V	1.4	0	3.75	354
401430175	2013	4	24	10	V	2.6	0	3.01	348
401430175	2013	4	24	11	V	2.0	0	3.9	357
401430175	2013	4	24	12	V	2.4	0	3.29	356
401430175	2013	4	24	13	V	2.6	0	2.62	353
401430175	2013	4	24	14	V	2.7	0	2.35	315
401430175	2013	4	24	15	V	2.0	0	2.81	340
401430175	2013	4	24	16	V	2.5	0	3.27	32
401430175	2013	4	24	17	V	4.0	0	2.71	29
401430175	2013	4	24	18	V	4.1	0	2.35	30
401430175	2013	4	24	19	V	1.6	0	1.06	360
401430175	2013	4	24	20	V	19.7	0	0.72	218
401430175	2013	4	24	21	V	10.6	0	0.84	163
401430175	2013	4	24	22	V	4.4	0	1.06	237
401430175	2013	4	24	23	V	6.2	0	1.06	234
401430175	2013	4	24	24	V	19.6	4	0.57	221
401430175	2013	4	25	1	V	11.0	2	0.58	237
401430175	2013	4	25	2	V	3.5	3	0.53	257
401430175	2013	4	25	3	V	17.3	1	0.7	223
401430175	2013	4	25	4	V	16.0	0	0.94	223
401430175	2013	4	25	5	V	10.1	0	0.8	199
401430175	2013	4	25	6	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	25	7	V	18.8	0	0.67	220
401430175	2013	4	25	8	V	7.8	1	0.79	155
401430175	2013	4	25	9	V	5.6	2	1.47	166
401430175	2013	4	25	10	V	5.9	1	1.45	162
401430175	2013	4	25	11	V	2.4	0	1.84	93
401430175	2013	4	25	12	V	3.2	0	2.44	146
401430175	2013	4	25	13	V	2.8	0	3.03	137
401430175	2013	4	25	14	V	4.6	0	4.39	161
401430175	2013	4	25	15	V	5.2	0	4.56	173
401430175	2013	4	25	16	V	4.3	0	4.36	160
401430175	2013	4	25	17	V	5.7	0	4.44	158
401430175	2013	4	25	18	V	4.0	0	3.61	144
401430175	2013	4	25	19	V	1.5	0	3.71	129
401430175	2013	4	25	20	V	2.9	0	3.03	129
401430175	2013	4	25	21	V	2.7	0	2.59	144
401430175	2013	4	25	22	V	1.6	0	2.66	156
401430175	2013	4	25	23	V	4.2	2	3.92	174
401430175	2013	4	25	24	V	4.6	3	3.68	173
401430175	2013	4	26	1	V	5.4	3	5.6	173
401430175	2013	4	26	2	V	4.2	2	4.93	168
401430175	2013	4	26	3	V	3.7	4	4.36	174
401430175	2013	4	26	4	V	3.2	9	4.24	176
401430175	2013	4	26	5	V	3.9	2	3.93	167
401430175	2013	4	26	6	V	1.4	0	3.59	158
401430175	2013	4	26	7	V	4.2	0	3.98	167
401430175	2013	4	26	8	V	8.7	0	4.25	167
401430175	2013	4	26	9	V	1.3	0	3.1	73
401430175	2013	4	26	10	V	4.1	0	4.12	51
401430175	2013	4	26	11	V	1.9	0	5.62	68
401430175	2013	4	26	12	V	2.2	0	5.65	98
401430175	2013	4	26	13	V	2.4	0	5.73	106
401430175	2013	4	26	14	V	2.4	-999	6.65	116
401430175	2013	4	26	15	V	1.7	0	5.73	122
401430175	2013	4	26	16	V	2.0	0	5.43	124
401430175	2013	4	26	17	V	3.7	0	3.73	122
401430175	2013	4	26	18	V	3.7	0	3.15	121
401430175	2013	4	26	19	V	1.5	0	3.29	113
401430175	2013	4	26	20	V	2.9	0	3.25	112
401430175	2013	4	26	21	V	2.7	0	3.07	103
401430175	2013	4	26	22	V	1.4	0	2.5	71
401430175	2013	4	26	23	V	1.1	0	1.98	64
401430175	2013	4	26	24	V	1.5	0	6.13	126
401430175	2013	4	27	1	V	1.9	0	3.1	37
401430175	2013	4	27	2	V	0.9	0	2.54	342
401430175	2013	4	27	3	V	0.4	0	1.89	354
401430175	2013	4	27	4	V	0.5	0	1.99	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	27	5	V	1.5	0	1.38	351
401430175	2013	4	27	6	V	0.5	0	2.2	345
401430175	2013	4	27	7	V	1.1	0	1.67	351
401430175	2013	4	27	8	V	4.3	0	1.76	335
401430175	2013	4	27	9	V	1.4	0	2.47	331
401430175	2013	4	27	10	V	2.5	0	2.74	328
401430175	2013	4	27	11	V	2.1	0	2.66	321
401430175	2013	4	27	12	V	2.3	0	3.23	325
401430175	2013	4	27	13	V	2.5	0	3.01	328
401430175	2013	4	27	14	V	2.5	0	2.98	327
401430175	2013	4	27	15	V	1.8	0	3.52	328
401430175	2013	4	27	16	V	2.1	0	2.89	353
401430175	2013	4	27	17	V	3.8	0	2.52	8
401430175	2013	4	27	18	V	3.8	0	1.96	19
401430175	2013	4	27	19	V	1.6	0	1.42	14
401430175	2013	4	27	20	V	3.8	0	0.72	358
401430175	2013	4	27	21	C	-999	0	0	0
401430175	2013	4	27	22	C	-999	0	0	0
401430175	2013	4	27	23	C	-999	0	0	0
401430175	2013	4	27	24	C	-999	0	0	0
401430175	2013	4	28	1	V	1.4	0	1.21	80
401430175	2013	4	28	2	V	1.3	0	0.87	27
401430175	2013	4	28	3	V	17.6	0	0.63	225
401430175	2013	4	28	4	V	10.3	0	0.87	203
401430175	2013	4	28	5	V	18.0	0	0.75	217
401430175	2013	4	28	6	V	10.2	0	1.23	215
401430175	2013	4	28	7	V	8.3	1	1.77	209
401430175	2013	4	28	8	V	7.6	2	2.66	188
401430175	2013	4	28	9	V	4.9	2	1.48	159
401430175	2013	4	28	10	V	6.4	7	1.84	173
401430175	2013	4	28	11	V	4.2	3	1.96	159
401430175	2013	4	28	12	V	4.1	7	1.98	156
401430175	2013	4	28	13	V	4.5	8	2.59	162
401430175	2013	4	28	14	V	4.0	11	2.61	154
401430175	2013	4	28	15	V	3.6	1	2.78	157
401430175	2013	4	28	16	V	3.7	0	3.12	155
401430175	2013	4	28	17	V	7.1	0	4.41	166
401430175	2013	4	28	18	V	4.8	0	4.36	155
401430175	2013	4	28	19	V	3.2	0	4.1	161
401430175	2013	4	28	20	V	4.8	0	2.72	165
401430175	2013	4	28	21	V	5.8	0	2.04	166
401430175	2013	4	28	22	V	3.4	2	2.93	179
401430175	2013	4	28	23	V	3.1	6	3.01	179
401430175	2013	4	28	24	V	2.4	1	1.82	160
401430175	2013	4	29	1	V	12.4	1	0.62	174
401430175	2013	4	29	2	V	10.6	4	0.63	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	4	29	3	V	9.1	5	0.86	200
401430175	2013	4	29	4	V	10.6	4	1.06	211
401430175	2013	4	29	5	V	16.6	1	0.65	228
401430175	2013	4	29	6	V	1.0	2	2.22	191
401430175	2013	4	29	7	V	2.2	6	2.25	154
401430175	2013	4	29	8	V	7.4	6	2.95	168
401430175	2013	4	29	9	V	4.3	7	4.53	183
401430175	2013	4	29	10	V	5.1	8	5.36	189
401430175	2013	4	29	11	V	4.8	9	5.51	190
401430175	2013	4	29	12	V	5.1	12	5.84	189
401430175	2013	4	29	13	V	4.9	13	6.84	188
401430175	2013	4	29	14	V	4.9	7	7.35	186
401430175	2013	4	29	15	V	4.5	11	7.13	188
401430175	2013	4	29	16	V	5.9	27	7.77	196
401430175	2013	4	29	17	V	6.4	8	8.25	192
401430175	2013	4	29	18	V	5.7	8	7.64	186
401430175	2013	4	29	19	V	3.1	1	6.06	188
401430175	2013	4	29	20	V	4.0	3	4.26	184
401430175	2013	4	29	21	V	3.6	14	4.85	186
401430175	2013	4	29	22	V	2.3	6	5.51	188
401430175	2013	4	29	23	V	3.6	21	7.08	183
401430175	2013	4	29	24	V	2.3	2	5.89	190
401430175	2013	4	30	1	V	1.8	1	4.77	190
401430175	2013	4	30	2	V	2.0	4	4.51	184
401430175	2013	4	30	3	V	1.0	2	3.66	188
401430175	2013	4	30	4	V	0.9	1	2.42	191
401430175	2013	4	30	5	V	1.6	3	1.31	150
401430175	2013	4	30	6	V	5.9	9	0.75	158
401430175	2013	4	30	7	V	1.6	4	1.3	141
401430175	2013	4	30	8	V	7.4	14	3.46	178
401430175	2013	4	30	9	V	3.5	12	5.68	187
401430175	2013	4	30	10	V	4.8	18	6.45	189
401430175	2013	4	30	11	V	4.1	4	7.55	186
401430175	2013	4	30	12	V	5.4	10	6.94	178
401430175	2013	4	30	13	V	5.8	9	7.16	173
401430175	2013	4	30	14	V	5.6	7	7.43	168
401430175	2013	4	30	15	V	4.9	8	7.04	167
401430175	2013	4	30	16	V	3.5	2	6.96	158
401430175	2013	4	30	17	V	5.8	1	6.55	161
401430175	2013	4	30	18	V	7.5	3	6.13	166
401430175	2013	4	30	19	V	4.6	1	4.8	166
401430175	2013	4	30	20	V	6.5	0	3.1	171
401430175	2013	4	30	21	V	3.1	1	2.76	159
401430175	2013	4	30	22	V	2.1	0	2.81	159
401430175	2013	4	30	23	V	3.3	0	1.98	164
401430175	2013	4	30	24	V	5.4	0	2.33	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	1	1	V	4.6	3	3.54	173
401430175	2013	5	1	2	V	3.2	5	3.57	178
401430175	2013	5	1	3	V	2.7	0	3.01	178
401430175	2013	5	1	4	V	3.1	0	2.35	166
401430175	2013	5	1	5	V	1.4	0	2.18	153
401430175	2013	5	1	6	V	0.8	0	1.82	157
401430175	2013	5	1	7	V	1.7	0	2.78	152
401430175	2013	5	1	8	V	4.4	0	4.32	151
401430175	2013	5	1	9	V	1.3	0	5.53	144
401430175	2013	5	1	10	V	2.9	3	5.04	152
401430175	2013	5	1	11	V	5.7	0	4.39	173
401430175	2013	5	1	12	V	5.2	1	3.8	168
401430175	2013	5	1	13	V	5.7	3	3.61	175
401430175	2013	5	1	14	V	2.6	1	5.33	145
401430175	2013	5	1	15	V	1.8	0	5.65	136
401430175	2013	5	1	16	V	2.3	0	5.56	147
401430175	2013	5	1	17	V	3.8	0	4.97	143
401430175	2013	5	1	18	V	3.8	0	4.7	145
401430175	2013	5	1	19	V	1.6	0	4.39	148
401430175	2013	5	1	20	V	2.9	0	4.46	140
401430175	2013	5	1	21	V	2.7	0	4.31	138
401430175	2013	5	1	22	V	1.4	0	3.22	139
401430175	2013	5	1	23	V	4.6	0	3.17	174
401430175	2013	5	1	24	V	1.5	0	4.17	350
401430175	2013	5	2	1	V	1.3	0	3.71	340
401430175	2013	5	2	2	V	0.9	0	3.59	337
401430175	2013	5	2	3	V	0.4	0	4	341
401430175	2013	5	2	4	V	0.5	0	4.2	343
401430175	2013	5	2	5	V	1.4	0	4.46	356
401430175	2013	5	2	6	V	0.5	0	4.49	354
401430175	2013	5	2	7	V	1.1	0	4.12	347
401430175	2013	5	2	8	V	4.0	0	5.17	351
401430175	2013	5	2	9	V	1.3	0	5.07	350
401430175	2013	5	2	10	V	2.4	0	5.67	4
401430175	2013	5	2	11	V	1.9	0	5.04	352
401430175	2013	5	2	12	V	2.2	0	6.18	349
401430175	2013	5	2	13	V	2.4	0	4.78	353
401430175	2013	5	2	14	V	2.4	0	5.62	354
401430175	2013	5	2	15	V	1.7	0	6.13	354
401430175	2013	5	2	16	V	2.0	0	5.6	351
401430175	2013	5	2	17	V	3.7	0	5.73	356
401430175	2013	5	2	18	V	3.7	0	5.56	353
401430175	2013	5	2	19	V	1.5	0	5.39	355
401430175	2013	5	2	20	V	2.9	0	5.48	353
401430175	2013	5	2	21	V	2.7	0	5.68	358
401430175	2013	5	2	22	V	1.4	0	5.29	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	2	23	V	1.1	0	5.5	3
401430175	2013	5	2	24	V	1.5	0	5.62	5
401430175	2013	5	3	1	V	1.3	0	4.02	360
401430175	2013	5	3	2	V	0.9	0	2.93	339
401430175	2013	5	3	3	V	0.4	0	1.86	312
401430175	2013	5	3	4	V	0.6	0	1.74	305
401430175	2013	5	3	5	V	1.4	0	2.11	311
401430175	2013	5	3	6	V	0.5	0	2.59	316
401430175	2013	5	3	7	V	1.2	0	2.74	327
401430175	2013	5	3	8	V	4.0	0	3.95	335
401430175	2013	5	3	9	V	1.3	0	4.94	343
401430175	2013	5	3	10	V	2.5	0	5.41	340
401430175	2013	5	3	11	V	2.0	0	5.8	337
401430175	2013	5	3	12	V	2.3	0	5.82	332
401430175	2013	5	3	13	V	2.4	0	6.04	330
401430175	2013	5	3	14	V	2.4	0	6.33	332
401430175	2013	5	3	15	V	1.8	0	6.43	334
401430175	2013	5	3	16	V	2.1	0	6.21	341
401430175	2013	5	3	17	V	3.7	0	5.67	335
401430175	2013	5	3	18	V	3.8	0	4.85	323
401430175	2013	5	3	19	V	1.5	0	4.25	332
401430175	2013	5	3	20	V	2.9	0	2.98	333
401430175	2013	5	3	21	V	2.7	0	2.15	356
401430175	2013	5	3	22	V	1.7	0	0.99	327
401430175	2013	5	3	23	V	1.1	0	2.08	93
401430175	2013	5	3	24	V	1.5	0	1.47	247
401430175	2013	5	4	1	V	1.6	0	0.94	262
401430175	2013	5	4	2	V	1.4	0	0.84	305
401430175	2013	5	4	3	V	0.4	0	3.03	14
401430175	2013	5	4	4	V	0.5	0	2.45	9
401430175	2013	5	4	5	V	1.4	0	1.88	269
401430175	2013	5	4	6	V	0.5	0	2.08	319
401430175	2013	5	4	7	V	1.1	0	2.28	323
401430175	2013	5	4	8	V	4.0	0	2.9	311
401430175	2013	5	4	9	V	1.4	0	2.96	308
401430175	2013	5	4	10	V	2.5	0	3.03	307
401430175	2013	5	4	11	V	2.0	0	3.35	311
401430175	2013	5	4	12	V	2.3	0	3.63	306
401430175	2013	5	4	13	V	2.4	0	3.85	294
401430175	2013	5	4	14	V	2.4	0	3.64	303
401430175	2013	5	4	15	V	1.8	0	3.35	296
401430175	2013	5	4	16	V	2.1	0	3	311
401430175	2013	5	4	17	V	3.7	0	2.86	316
401430175	2013	5	4	18	V	3.8	0	3.15	332
401430175	2013	5	4	19	V	1.5	0	2.91	329
401430175	2013	5	4	20	V	2.9	0	2.3	324

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	4	21	V	2.7	0	2.08	343
401430175	2013	5	4	22	V	1.4	0	2.11	335
401430175	2013	5	4	23	V	1.1	0	1.96	329
401430175	2013	5	4	24	V	1.5	0	1.84	336
401430175	2013	5	5	1	V	1.3	0	2.52	2
401430175	2013	5	5	2	V	0.9	0	2.49	358
401430175	2013	5	5	3	V	0.4	0	2.08	1
401430175	2013	5	5	4	V	0.6	0	1.59	346
401430175	2013	5	5	5	V	1.5	0	1.55	332
401430175	2013	5	5	6	V	0.5	0	1.59	325
401430175	2013	5	5	7	V	1.2	0	1.67	316
401430175	2013	5	5	8	V	4.1	0	1.88	314
401430175	2013	5	5	9	V	1.4	0	2.88	328
401430175	2013	5	5	10	V	2.5	0	3	338
401430175	2013	5	5	11	V	2.0	0	3.34	353
401430175	2013	5	5	12	V	2.3	0	2.79	347
401430175	2013	5	5	13	V	2.5	0	2.61	342
401430175	2013	5	5	14	V	2.5	0	2.27	334
401430175	2013	5	5	15	V	1.9	0	2.32	338
401430175	2013	5	5	16	V	2.1	0	2.79	335
401430175	2013	5	5	17	V	3.8	0	2.55	330
401430175	2013	5	5	18	V	3.9	0	2.37	334
401430175	2013	5	5	19	V	1.6	0	1.71	329
401430175	2013	5	5	20	V	3.2	0	0.89	344
401430175	2013	5	5	21	V	2.8	0	1.3	340
401430175	2013	5	5	22	V	1.7	0	0.99	300
401430175	2013	5	5	23	V	1.3	0	1.09	321
401430175	2013	5	5	24	V	1.6	0	1.21	331
401430175	2013	5	6	1	V	1.8	0	0.82	318
401430175	2013	5	6	2	V	2.3	0	0.63	292
401430175	2013	5	6	3	V	1.9	0	0.62	289
401430175	2013	5	6	4	V	0.9	0	0.97	278
401430175	2013	5	6	5	V	1.5	0	1.21	302
401430175	2013	5	6	6	V	0.6	0	1.33	329
401430175	2013	5	6	7	V	1.1	0	2.91	9
401430175	2013	5	6	8	V	4.1	0	2.54	11
401430175	2013	5	6	9	V	1.5	0	2.33	360
401430175	2013	5	6	10	V	2.7	0	2.15	345
401430175	2013	5	6	11	V	2.2	0	2.11	344
401430175	2013	5	6	12	V	2.4	0	2.16	340
401430175	2013	5	6	13	V	2.5	0	2.71	8
401430175	2013	5	6	14	V	2.6	0	2.9	17
401430175	2013	5	6	15	V	2.8	0	2.21	32
401430175	2013	5	6	16	V	3.3	0	1.96	36
401430175	2013	5	6	17	V	4.4	0	2.67	31
401430175	2013	5	6	18	V	4.0	0	1.94	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	6	19	V	1.6	0	1.23	19
401430175	2013	5	6	20	V	3.2	0	1.43	34
401430175	2013	5	6	21	C	-999	0	0	0
401430175	2013	5	6	22	V	2.4	0	0.67	319
401430175	2013	5	6	23	V	3.0	0	0.53	330
401430175	2013	5	6	24	V	1.9	0	0.91	296
401430175	2013	5	7	1	C	-999	0	0	0
401430175	2013	5	7	2	V	2.6	0	0.57	276
401430175	2013	5	7	3	C	-999	0	0	0
401430175	2013	5	7	4	V	2.3	0	0.57	25
401430175	2013	5	7	5	V	3.6	0	0.52	268
401430175	2013	5	7	6	V	1.3	0	0.74	2
401430175	2013	5	7	7	V	5.5	0	0.69	238
401430175	2013	5	7	8	V	12.4	0	1.06	215
401430175	2013	5	7	9	V	2.6	6	1.48	141
401430175	2013	5	7	10	V	7.2	2	2.03	195
401430175	2013	5	7	11	V	4.9	2	1.48	188
401430175	2013	5	7	12	V	3.1	1	2.22	138
401430175	2013	5	7	13	V	3.7	0	1.86	150
401430175	2013	5	7	14	V	4.0	0	2.27	157
401430175	2013	5	7	15	V	2.2	0	2.47	117
401430175	2013	5	7	16	V	2.7	1	2.86	137
401430175	2013	5	7	17	V	4.6	0	3.88	149
401430175	2013	5	7	18	V	7.7	0	3.75	169
401430175	2013	5	7	19	V	4.9	0	3.01	165
401430175	2013	5	7	20	V	3.1	0	1.06	118
401430175	2013	5	7	21	C	-999	0	0	0
401430175	2013	5	7	22	C	-999	0	0	0
401430175	2013	5	7	23	V	7.6	0	1.03	200
401430175	2013	5	7	24	V	3.1	0	1.33	159
401430175	2013	5	8	1	V	4.0	0	1.65	180
401430175	2013	5	8	2	V	5.0	0	1.43	164
401430175	2013	5	8	3	V	4.1	0	1.98	167
401430175	2013	5	8	4	V	2.3	5	1.93	163
401430175	2013	5	8	5	V	1.5	2	2.1	155
401430175	2013	5	8	6	V	1.7	1	2.52	163
401430175	2013	5	8	7	V	4.9	1	2.93	167
401430175	2013	5	8	8	V	4.2	0	2.35	130
401430175	2013	5	8	9	V	1.7	1	3.18	146
401430175	2013	5	8	10	V	2.7	0	3.08	142
401430175	2013	5	8	11	V	2.1	0	3.13	106
401430175	2013	5	8	12	V	2.4	1	4.63	142
401430175	2013	5	8	13	V	5.5	2	5.85	169
401430175	2013	5	8	14	V	4.0	3	6.16	159
401430175	2013	5	8	15	V	4.7	4	6.45	166
401430175	2013	5	8	16	V	5.6	11	7.62	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	8	17	V	7.3	10	7.2	169
401430175	2013	5	8	18	V	8.2	13	5.96	171
401430175	2013	5	8	19	V	4.6	22	5.29	179
401430175	2013	5	8	20	V	5.7	38	3.61	172
401430175	2013	5	8	21	V	3.4	5	4.09	186
401430175	2013	5	8	22	V	4.2	13	2.17	210
401430175	2013	5	8	23	M	-999	33	999	999
401430175	2013	5	8	24	M	-999	5	999	999
401430175	2013	5	9	1	M	-999	2	999	999
401430175	2013	5	9	2	M	-999	1	999	999
401430175	2013	5	9	3	M	-999	1	999	999
401430175	2013	5	9	4	M	-999	0	999	999
401430175	2013	5	9	5	M	-999	0	999	999
401430175	2013	5	9	6	V	1.3	0	1.28	36
401430175	2013	5	9	7	V	2.5	0	1.84	152
401430175	2013	5	9	8	V	4.0	0	3.1	136
401430175	2013	5	9	9	V	4.4	0	3.32	165
401430175	2013	5	9	10	V	6.0	6	3.57	176
401430175	2013	5	9	11	V	5.4	4	3.52	177
401430175	2013	5	9	12	V	5.9	0	3.85	174
401430175	2013	5	9	13	V	5.3	1	4.17	185
401430175	2013	5	9	14	V	7.0	2	4.24	197
401430175	2013	5	9	15	V	10.3	13	3.51	213
401430175	2013	5	9	16	V	9.5	2	1.82	215
401430175	2013	5	9	17	V	7.9	1	2.22	192
401430175	2013	5	9	18	V	10.0	1	1.54	225
401430175	2013	5	9	19	V	1.6	0	0.92	266
401430175	2013	5	9	20	V	6.8	0	0.75	241
401430175	2013	5	9	21	V	3.0	0	0.94	259
401430175	2013	5	9	22	C	-999	0	0	0
401430175	2013	5	9	23	V	1.2	0	1.26	289
401430175	2013	5	9	24	V	1.9	0	0.82	264
401430175	2013	5	10	1	V	5.8	0	1.43	229
401430175	2013	5	10	2	V	1.4	0	0.96	148
401430175	2013	5	10	3	V	0.9	0	0.84	279
401430175	2013	5	10	4	V	0.8	0	0.96	300
401430175	2013	5	10	5	V	1.4	0	1.81	9
401430175	2013	5	10	6	V	0.5	0	1.67	346
401430175	2013	5	10	7	V	1.2	0	1.65	337
401430175	2013	5	10	8	V	4.0	-999	3.37	360
401430175	2013	5	10	9	V	1.4	-999	3.17	343
401430175	2013	5	10	10	V	2.6	0	3.03	320
401430175	2013	5	10	11	V	2.1	0	3.51	350
401430175	2013	5	10	12	V	2.4	0	3.18	345
401430175	2013	5	10	13	V	2.6	0	2.81	348
401430175	2013	5	10	14	V	2.5	0	3.42	360

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	10	15	V	1.8	0	3.23	15
401430175	2013	5	10	16	V	2.1	0	3.39	355
401430175	2013	5	10	17	V	3.7	0	3.44	360
401430175	2013	5	10	18	V	3.8	0	4.1	15
401430175	2013	5	10	19	V	1.5	0	4.87	12
401430175	2013	5	10	20	V	2.9	0	3.63	20
401430175	2013	5	10	21	V	2.7	0	1.67	360
401430175	2013	5	10	22	V	2.1	0	0.63	296
401430175	2013	5	10	23	V	1.9	0	0.74	285
401430175	2013	5	10	24	C	-999	0	0	0
401430175	2013	5	11	1	V	8.8	0	0.74	236
401430175	2013	5	11	2	V	2.5	0	0.6	269
401430175	2013	5	11	3	V	1.6	0	0.65	316
401430175	2013	5	11	4	V	1.6	0	0.67	287
401430175	2013	5	11	5	V	6.6	0	0.79	238
401430175	2013	5	11	6	V	14.0	0	0.75	228
401430175	2013	5	11	7	V	6.3	0	0.86	233
401430175	2013	5	11	8	V	5.2	0	1.23	265
401430175	2013	5	11	9	V	1.7	0	1.93	288
401430175	2013	5	11	10	V	2.8	0	2.22	322
401430175	2013	5	11	11	V	2.2	0	2.64	318
401430175	2013	5	11	12	V	2.5	0	2.84	340
401430175	2013	5	11	13	V	2.4	0	3.8	5
401430175	2013	5	11	14	V	2.5	0	4.56	15
401430175	2013	5	11	15	V	1.8	0	6.41	17
401430175	2013	5	11	16	V	2.1	0	6.48	13
401430175	2013	5	11	17	V	3.7	0	5.99	16
401430175	2013	5	11	18	V	3.8	0	5.36	12
401430175	2013	5	11	19	V	1.5	0	4.61	11
401430175	2013	5	11	20	V	2.9	0	2.86	7
401430175	2013	5	11	21	V	2.7	0	2.23	357
401430175	2013	5	11	22	V	1.4	0	1.74	354
401430175	2013	5	11	23	C	-999	0	0	0
401430175	2013	5	11	24	V	1.5	0	1.76	328
401430175	2013	5	12	1	C	-999	0	0	0
401430175	2013	5	12	2	C	-999	0	0	0
401430175	2013	5	12	3	C	-999	0	0	0
401430175	2013	5	12	4	C	-999	0	0	0
401430175	2013	5	12	5	V	11.4	0	0.9	205
401430175	2013	5	12	6	V	1.3	0	1.38	238
401430175	2013	5	12	7	V	1.4	0	1.52	331
401430175	2013	5	12	8	V	5.8	0	2.06	34
401430175	2013	5	12	9	V	1.7	0	1.86	79
401430175	2013	5	12	10	V	2.9	0	2.01	95
401430175	2013	5	12	11	V	2.4	0	2.1	116
401430175	2013	5	12	12	V	3.0	0	1.91	127

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	12	13	V	3.0	0	2.28	132
401430175	2013	5	12	14	V	3.2	0	2.62	141
401430175	2013	5	12	15	V	4.5	0	2.59	171
401430175	2013	5	12	16	V	4.9	0	2.76	173
401430175	2013	5	12	17	V	6.3	1	4.07	162
401430175	2013	5	12	18	V	6.5	3	3.69	161
401430175	2013	5	12	19	V	1.5	0	3.81	137
401430175	2013	5	12	20	V	2.9	0	2.5	139
401430175	2013	5	12	21	V	2.7	0	1.89	136
401430175	2013	5	12	22	V	1.4	0	1.89	150
401430175	2013	5	12	23	V	9.7	0	0.72	185
401430175	2013	5	12	24	V	19.7	0	0.58	217
401430175	2013	5	13	1	V	4.0	0	1.37	196
401430175	2013	5	13	2	V	6.9	0	1.38	166
401430175	2013	5	13	3	V	5.5	0	0.67	157
401430175	2013	5	13	4	V	4.8	2	1.04	187
401430175	2013	5	13	5	V	6.0	3	1.08	184
401430175	2013	5	13	6	V	2.5	16	1.52	196
401430175	2013	5	13	7	V	3.8	22	3.52	186
401430175	2013	5	13	8	V	7.2	3	5.29	195
401430175	2013	5	13	9	V	6.4	28	4.58	203
401430175	2013	5	13	10	V	9.8	29	5.04	219
401430175	2013	5	13	11	V	7.5	6	4.39	227
401430175	2013	5	13	12	V	6.2	1	4.27	232
401430175	2013	5	13	13	V	6.9	0	3.78	230
401430175	2013	5	13	14	V	7.7	0	3.35	224
401430175	2013	5	13	15	V	5.9	0	3.03	231
401430175	2013	5	13	16	V	6.5	7	3.15	231
401430175	2013	5	13	17	V	10.7	8	3.23	217
401430175	2013	5	13	18	V	12.0	13	3.49	213
401430175	2013	5	13	19	V	7.0	9	2.47	210
401430175	2013	5	13	20	V	14.4	1	0.53	230
401430175	2013	5	13	21	V	6.9	0	1.35	207
401430175	2013	5	13	22	V	1.7	11	3.93	195
401430175	2013	5	13	23	V	1.7	5	2.93	204
401430175	2013	5	13	24	V	1.8	8	2.67	200
401430175	2013	5	14	1	V	3.0	26	1.62	197
401430175	2013	5	14	2	V	1.8	76	2.54	207
401430175	2013	5	14	3	V	2.2	35	1.77	181
401430175	2013	5	14	4	V	1.6	35	1.69	194
401430175	2013	5	14	5	V	2.5	65	1.81	197
401430175	2013	5	14	6	V	16.2	54	0.8	220
401430175	2013	5	14	7	V	6.0	45	1.88	197
401430175	2013	5	14	8	V	10.8	8	3.72	214
401430175	2013	5	14	9	V	8.3	6	3.98	225
401430175	2013	5	14	10	V	5.9	2	3.5	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	14	11	V	7.9	2	4.49	225
401430175	2013	5	14	12	M	-999	17	4.87	211
401430175	2013	5	14	13	M	-999	16	4.85	210
401430175	2013	5	14	14	M	-999	24	8.04	194
401430175	2013	5	14	15	M	-999	27	999	999
401430175	2013	5	14	16	M	-999	4	7.8	195
401430175	2013	5	14	17	M	-999	4	6.89	192
401430175	2013	5	14	18	M	-999	3	6.55	186
401430175	2013	5	14	19	M	-999	7	5.75	184
401430175	2013	5	14	20	V	3.5	1	3.83	186
401430175	2013	5	14	21	V	4.0	9	4.54	183
401430175	2013	5	14	22	V	2.6	12	3.78	182
401430175	2013	5	14	23	V	1.5	4	2.91	187
401430175	2013	5	14	24	V	1.9	11	3.68	189
401430175	2013	5	15	1	V	1.6	23	2.86	189
401430175	2013	5	15	2	V	1.6	15	1.72	188
401430175	2013	5	15	3	V	2.6	15	1.28	187
401430175	2013	5	15	4	V	1.0	17	2.49	183
401430175	2013	5	15	5	V	2.6	6	3.03	182
401430175	2013	5	15	6	V	2.5	7	3.01	179
401430175	2013	5	15	7	V	3.3	3	5.12	185
401430175	2013	5	15	8	V	6.4	8	5.38	190
401430175	2013	5	15	9	V	4.0	7	5.24	183
401430175	2013	5	15	10	V	4.3	8	5.92	185
401430175	2013	5	15	11	V	4.9	3	6.52	193
401430175	2013	5	15	12	V	4.7	5	4.9	185
401430175	2013	5	15	13	V	5.8	4	3.85	182
401430175	2013	5	15	14	V	7.1	4	3.78	171
401430175	2013	5	15	15	V	3.0	0	3.83	156
401430175	2013	5	15	16	V	3.9	0	4.03	159
401430175	2013	5	15	17	V	3.9	0	3.13	138
401430175	2013	5	15	18	V	3.9	0	2.47	116
401430175	2013	5	15	19	V	1.5	0	3.93	129
401430175	2013	5	15	20	V	2.9	0	6.16	144
401430175	2013	5	15	21	V	2.7	0	5.39	106
401430175	2013	5	15	22	V	1.4	0	6.11	138
401430175	2013	5	15	23	V	3.1	0	4.56	164
401430175	2013	5	15	24	V	2.8	5	2.27	162
401430175	2013	5	16	1	V	3.3	1	1.03	238
401430175	2013	5	16	2	V	1.2	1	0.97	333
401430175	2013	5	16	3	V	1.1	1	0.74	325
401430175	2013	5	16	4	V	1.0	1	0.84	15
401430175	2013	5	16	5	V	1.6	1	1.09	23
401430175	2013	5	16	6	V	0.9	0	0.92	77
401430175	2013	5	16	7	V	1.3	0	1.6	105
401430175	2013	5	16	8	V	4.3	0	1.65	112

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	16	9	V	1.4	0	3.08	111
401430175	2013	5	16	10	V	2.5	0	2.89	125
401430175	2013	5	16	11	V	2.0	0	2.95	142
401430175	2013	5	16	12	V	6.3	2	3.44	179
401430175	2013	5	16	13	V	5.9	2	3.03	183
401430175	2013	5	16	14	V	3.6	0	2.27	148
401430175	2013	5	16	15	V	2.2	0	2.1	91
401430175	2013	5	16	16	V	2.7	2	1.77	103
401430175	2013	5	16	17	V	4.1	0	2.22	124
401430175	2013	5	16	18	V	3.9	0	2.01	118
401430175	2013	5	16	19	V	1.5	0	2.72	145
401430175	2013	5	16	20	V	2.9	1	2.86	147
401430175	2013	5	16	21	V	2.7	0	2.03	145
401430175	2013	5	16	22	V	6.5	0	1.08	183
401430175	2013	5	16	23	V	18.2	0	0.64	209
401430175	2013	5	16	24	V	1.7	0	1.38	153
401430175	2013	5	17	1	V	5.6	0	0.79	157
401430175	2013	5	17	2	V	8.5	1	0.91	199
401430175	2013	5	17	3	V	11.5	1	0.96	229
401430175	2013	5	17	4	V	10.0	0	0.72	197
401430175	2013	5	17	5	V	8.6	0	0.89	198
401430175	2013	5	17	6	V	0.7	0	1.06	112
401430175	2013	5	17	7	V	1.9	0	1.03	140
401430175	2013	5	17	8	V	7.3	0	1.99	163
401430175	2013	5	17	9	V	2.1	1	1.38	132
401430175	2013	5	17	10	V	2.7	0	2.45	85
401430175	2013	5	17	11	V	2.0	0	3.27	141
401430175	2013	5	17	12	V	2.5	1	3.37	148
401430175	2013	5	17	13	V	2.5	0	2.57	135
401430175	2013	5	17	14	V	2.6	0	2.83	129
401430175	2013	5	17	15	V	2.0	0	2.88	126
401430175	2013	5	17	16	V	2.5	0	3.07	149
401430175	2013	5	17	17	V	3.7	0	3.52	134
401430175	2013	5	17	18	V	3.8	0	3.64	143
401430175	2013	5	17	19	V	1.5	0	3.34	136
401430175	2013	5	17	20	V	2.9	0	2.38	147
401430175	2013	5	17	21	V	10.1	0	1.55	172
401430175	2013	5	17	22	V	11.6	0	1.14	175
401430175	2013	5	17	23	V	1.1	0	1.93	142
401430175	2013	5	17	24	V	1.5	0	1.67	138
401430175	2013	5	18	1	V	1.3	0	1.69	140
401430175	2013	5	18	2	V	1.0	0	1.6	148
401430175	2013	5	18	3	V	10.3	0	1.09	168
401430175	2013	5	18	4	V	7.1	0	1.69	46
401430175	2013	5	18	5	V	1.4	0	1.91	106
401430175	2013	5	18	6	V	0.5	0	2.52	137

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	18	7	V	1.2	0	3.24	146
401430175	2013	5	18	8	V	7.4	0	4.36	167
401430175	2013	5	18	9	V	5.0	2	3.91	170
401430175	2013	5	18	10	V	7.6	7	3.88	174
401430175	2013	5	18	11	V	4.9	8	4.76	183
401430175	2013	5	18	12	V	5.5	8	5.05	178
401430175	2013	5	18	13	V	4.9	2	5.44	164
401430175	2013	5	18	14	V	5.1	3	5.12	165
401430175	2013	5	18	15	V	4.3	1	5.6	164
401430175	2013	5	18	16	V	5.2	2	5.94	167
401430175	2013	5	18	17	V	6.2	1	5.67	163
401430175	2013	5	18	18	V	5.4	1	5.89	160
401430175	2013	5	18	19	V	5.9	3	5.46	167
401430175	2013	5	18	20	V	4.4	3	4.58	161
401430175	2013	5	18	21	V	6.0	4	4.87	170
401430175	2013	5	18	22	V	4.5	5	2.95	175
401430175	2013	5	18	23	V	3.8	6	3.03	178
401430175	2013	5	18	24	V	6.5	3	5.58	235
401430175	2013	5	19	1	V	1.3	0	1.94	77
401430175	2013	5	19	2	V	1.0	0	3	151
401430175	2013	5	19	3	V	0.5	0	3.07	150
401430175	2013	5	19	4	V	0.5	0	3.63	147
401430175	2013	5	19	5	V	1.5	2	1.4	358
401430175	2013	5	19	6	V	0.5	0	2.59	17
401430175	2013	5	19	7	V	1.3	0	2.5	121
401430175	2013	5	19	8	V	5.6	0	4.05	158
401430175	2013	5	19	9	V	4.9	3	5.27	179
401430175	2013	5	19	10	V	6.4	12	5.96	177
401430175	2013	5	19	11	V	5.6	15	6.04	178
401430175	2013	5	19	12	V	6.4	13	6.91	175
401430175	2013	5	19	13	V	6.2	12	7.45	176
401430175	2013	5	19	14	V	4.4	9	7.79	183
401430175	2013	5	19	15	V	4.1	7	7.2	182
401430175	2013	5	19	16	V	4.4	10	7.2	183
401430175	2013	5	19	17	V	7.0	17	6.64	178
401430175	2013	5	19	18	V	5.6	9	7.43	185
401430175	2013	5	19	19	V	10.4	4	4.99	216
401430175	2013	5	19	20	V	4.3	8	6.45	188
401430175	2013	5	19	21	V	5.1	14	6.57	182
401430175	2013	5	19	22	V	2.1	5	4.02	186
401430175	2013	5	19	23	V	2.1	14	3.49	184
401430175	2013	5	19	24	V	3.1	12	4.88	182
401430175	2013	5	20	1	V	3.5	12	7.31	187
401430175	2013	5	20	2	V	3.8	3	7.49	191
401430175	2013	5	20	3	V	1.0	8	4.86	189
401430175	2013	5	20	4	V	1.3	6	4.86	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	20	5	V	2.5	2	2.86	184
401430175	2013	5	20	6	V	3.8	5	3.86	172
401430175	2013	5	20	7	V	4.6	11	5.36	177
401430175	2013	5	20	8	V	6.5	8	2.36	160
401430175	2013	5	20	9	V	5.5	6	3.36	179
401430175	2013	5	20	10	V	5.9	5	2.86	191
401430175	2013	5	20	11	V	5.0	3	3.86	184
401430175	2013	5	20	12	V	4.5	7	3.86	161
401430175	2013	5	20	13	V	4.9	7	6.46	189
401430175	2013	5	20	14	V	5.7	-999	5.96	177
401430175	2013	5	20	15	V	4.6	12	6.96	180
401430175	2013	5	20	16	V	4.5	9	6.46	189
401430175	2013	5	20	17	V	6.6	3	6.96	180
401430175	2013	5	20	18	C	-999	2	0	0
401430175	2013	5	20	19	V	1.6	0	2.86	354
401430175	2013	5	20	20	C	-999	0	0	0
401430175	2013	5	20	21	V	2.8	0	1.58	143
401430175	2013	5	20	22	V	1.8	0	2.28	195
401430175	2013	5	20	23	V	1.1	0	1.94	290
401430175	2013	5	20	24	V	9.6	0	0.82	234
401430175	2013	5	21	1	V	7.1	0	1.76	170
401430175	2013	5	21	2	V	4.0	0	1.43	200
401430175	2013	5	21	3	V	4.7	1	2.1	169
401430175	2013	5	21	4	V	0.7	0	1.2	267
401430175	2013	5	21	5	V	1.9	0	0.8	260
401430175	2013	5	21	6	V	0.5	0	2.22	3
401430175	2013	5	21	7	V	1.3	0	2.27	9
401430175	2013	5	21	8	V	4.0	0	6.01	16
401430175	2013	5	21	9	V	1.3	0	3.25	356
401430175	2013	5	21	10	V	2.6	0	2.21	331
401430175	2013	5	21	11	V	2.0	0	2.88	350
401430175	2013	5	21	12	V	2.4	0	3.46	17
401430175	2013	5	21	13	V	2.5	0	3.08	299
401430175	2013	5	21	14	V	2.5	0	2.37	274
401430175	2013	5	21	15	V	1.7	0	6.33	147
401430175	2013	5	21	16	V	3.7	0	4.03	51
401430175	2013	5	21	17	V	4.0	0	2.03	291
401430175	2013	5	21	18	V	4.0	0	2.13	288
401430175	2013	5	21	19	V	12.0	0	1.64	223
401430175	2013	5	21	20	V	6.9	1	2.08	228
401430175	2013	5	21	21	V	5.4	2	2.15	227
401430175	2013	5	21	22	V	8.8	0	1.16	230
401430175	2013	5	21	23	V	10.3	0	0.69	235
401430175	2013	5	21	24	V	17.4	0	0.52	204
401430175	2013	5	22	1	V	13.5	0	0.74	204
401430175	2013	5	22	2	V	9.8	0	0.53	239

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	22	3	V	7.8	0	0.77	189
401430175	2013	5	22	4	V	7.0	0	0.92	196
401430175	2013	5	22	5	V	5.5	0	1.2	197
401430175	2013	5	22	6	V	1.8	0	1.13	240
401430175	2013	5	22	7	V	5.2	0	1.52	237
401430175	2013	5	22	8	V	7.3	0	1.94	241
401430175	2013	5	22	9	V	1.6	0	2.44	269
401430175	2013	5	22	10	V	2.6	0	2.78	320
401430175	2013	5	22	11	V	2.2	0	2.62	305
401430175	2013	5	22	12	V	2.4	0	3.1	301
401430175	2013	5	22	13	V	2.7	0	2.76	273
401430175	2013	5	22	14	V	3.0	0	2.47	270
401430175	2013	5	22	15	V	2.4	0	2.67	265
401430175	2013	5	22	16	V	2.7	0	2.2	273
401430175	2013	5	22	17	V	6.4	2	2.27	243
401430175	2013	5	22	18	V	8.1	0	2.05	233
401430175	2013	5	22	19	V	2.5	0	1.33	244
401430175	2013	5	22	20	C	-999	0	0	0
401430175	2013	5	22	21	V	3.6	0	0.69	264
401430175	2013	5	22	22	V	2.0	0	0.82	255
401430175	2013	5	22	23	V	1.9	0	0.72	277
401430175	2013	5	22	24	C	-999	0	0	0
401430175	2013	5	23	1	V	2.8	0	0.64	256
401430175	2013	5	23	2	V	2.0	0	0.67	298
401430175	2013	5	23	3	V	1.7	0	0.65	282
401430175	2013	5	23	4	V	2.0	0	0.62	280
401430175	2013	5	23	5	V	2.7	0	0.63	329
401430175	2013	5	23	6	V	0.5	0	1.62	10
401430175	2013	5	23	7	M	-999	0	3.52	24
401430175	2013	5	23	8	M	-999	0	3.13	19
401430175	2013	5	23	9	M	-999	0	3.73	32
401430175	2013	5	23	10	M	-999	0	4.24	29
401430175	2013	5	23	11	M	-999	1	3.52	31
401430175	2013	5	23	12	M	-999	3	3.71	35
401430175	2013	5	23	13	M	-999	1	1.48	327
401430175	2013	5	23	14	M	-999	0	1.88	178
401430175	2013	5	23	15	M	-999	0	2.44	44
401430175	2013	5	23	16	M	-999	0	3.49	19
401430175	2013	5	23	17	M	-999	0	4.09	9
401430175	2013	5	23	18	M	-999	0	2.72	43
401430175	2013	5	23	19	M	-999	0	1.99	302
401430175	2013	5	23	20	V	3.8	0	2.54	237
401430175	2013	5	23	21	V	2.7	0	1.77	328
401430175	2013	5	23	22	V	1.7	0	0.92	259
401430175	2013	5	23	23	V	16.2	0	0.52	228
401430175	2013	5	23	24	V	1.6	0	1.13	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	24	1	V	1.3	0	1.82	17
401430175	2013	5	24	2	V	0.9	0	2.45	21
401430175	2013	5	24	3	V	0.4	0	3.41	34
401430175	2013	5	24	4	V	0.5	0	2.16	15
401430175	2013	5	24	5	V	1.4	0	2.73	31
401430175	2013	5	24	6	V	0.5	0	2.86	34
401430175	2013	5	24	7	V	1.5	0	2.27	65
401430175	2013	5	24	8	V	4.1	0	3.61	99
401430175	2013	5	24	9	V	1.3	0	5.33	119
401430175	2013	5	24	10	V	2.4	0	5.65	128
401430175	2013	5	24	11	V	2.0	0	4.51	133
401430175	2013	5	24	12	V	2.3	0	4.44	116
401430175	2013	5	24	13	V	2.5	0	4.56	128
401430175	2013	5	24	14	V	2.7	0	4.26	141
401430175	2013	5	24	15	V	2.0	0	4.8	143
401430175	2013	5	24	16	V	2.1	0	4.56	137
401430175	2013	5	24	17	V	3.9	0	4.34	143
401430175	2013	5	24	18	V	3.9	0	4.17	143
401430175	2013	5	24	19	V	1.5	0	4.36	130
401430175	2013	5	24	20	V	2.9	0	3.49	136
401430175	2013	5	24	21	V	2.7	0	3.78	139
401430175	2013	5	24	22	V	1.4	0	4.44	146
401430175	2013	5	24	23	V	1.1	0	4.6	144
401430175	2013	5	24	24	V	1.5	0	3.88	149
401430175	2013	5	25	1	V	1.6	0	3.51	152
401430175	2013	5	25	2	V	2.7	0	2.74	161
401430175	2013	5	25	3	V	0.7	0	2.89	152
401430175	2013	5	25	4	V	0.5	0	3.29	149
401430175	2013	5	25	5	V	1.6	0	2.78	152
401430175	2013	5	25	6	V	0.5	0	2.71	133
401430175	2013	5	25	7	V	1.2	0	3.25	139
401430175	2013	5	25	8	V	5.0	0	4.17	155
401430175	2013	5	25	9	V	2.3	0	5.05	156
401430175	2013	5	25	10	V	6.1	3	6.46	171
401430175	2013	5	25	11	V	5.2	7	5.87	177
401430175	2013	5	25	12	V	5.6	7	5.68	171
401430175	2013	5	25	13	V	5.6	2	6.09	172
401430175	2013	5	25	14	V	5.5	3	5.14	172
401430175	2013	5	25	15	V	4.1	1	5.09	162
401430175	2013	5	25	16	V	5.3	6	5.94	169
401430175	2013	5	25	17	V	7.4	10	5.55	172
401430175	2013	5	25	18	V	7.8	12	5.53	176
401430175	2013	5	25	19	V	6.7	14	5.39	172
401430175	2013	5	25	20	V	5.8	21	4.37	174
401430175	2013	5	25	21	V	4.6	8	2.61	165
401430175	2013	5	25	22	V	5.7	0	2.91	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	25	23	V	4.4	11	2.45	178
401430175	2013	5	25	24	V	1.8	4	2.69	184
401430175	2013	5	26	1	V	2.1	5	2.25	182
401430175	2013	5	26	2	V	4.3	8	3.47	172
401430175	2013	5	26	3	V	3.8	10	3.22	173
401430175	2013	5	26	4	V	4.0	13	3.2	172
401430175	2013	5	26	5	V	4.8	7	2.84	174
401430175	2013	5	26	6	V	3.6	5	2.27	167
401430175	2013	5	26	7	V	5.0	3	3.58	173
401430175	2013	5	26	8	V	5.5	11	5.58	186
401430175	2013	5	26	9	V	3.4	3	6.55	191
401430175	2013	5	26	10	V	4.5	7	7.06	185
401430175	2013	5	26	11	V	3.9	4	7.52	186
401430175	2013	5	26	12	V	6.3	3	7.32	197
401430175	2013	5	26	13	V	4.7	8	7.04	185
401430175	2013	5	26	14	V	5.4	11	7.3	178
401430175	2013	5	26	15	V	5.2	14	7.2	175
401430175	2013	5	26	16	V	5.5	14	6.84	176
401430175	2013	5	26	17	V	7.4	12	7.06	171
401430175	2013	5	26	18	V	7.8	23	6.24	169
401430175	2013	5	26	19	V	4.2	11	5.36	163
401430175	2013	5	26	20	V	5.3	2	4.82	165
401430175	2013	5	26	21	V	6.4	23	4.85	172
401430175	2013	5	26	22	V	4.2	24	4.22	169
401430175	2013	5	26	23	V	4.3	21	4.76	172
401430175	2013	5	26	24	V	4.2	23	4.09	169
401430175	2013	5	27	1	V	3.6	21	3.83	167
401430175	2013	5	27	2	V	3.3	20	3.95	167
401430175	2013	5	27	3	V	1.5	2	3.39	160
401430175	2013	5	27	4	V	1.6	1	3.15	160
401430175	2013	5	27	5	V	4.8	7	3.44	173
401430175	2013	5	27	6	V	3.3	14	3.17	177
401430175	2013	5	27	7	V	4.3	10	4.12	180
401430175	2013	5	27	8	V	5.8	5	6.84	186
401430175	2013	5	27	9	V	3.4	2	7.83	190
401430175	2013	5	27	10	V	5.7	6	7.72	195
401430175	2013	5	27	11	V	3.7	13	10.56	183
401430175	2013	5	27	12	V	4.0	5	9.7	187
401430175	2013	5	27	13	V	4.4	3	9.13	190
401430175	2013	5	27	14	V	4.8	7	8.88	192
401430175	2013	5	27	15	V	3.8	8	9.58	190
401430175	2013	5	27	16	V	4.0	4	9.08	185
401430175	2013	5	27	17	V	5.5	5	8.85	187
401430175	2013	5	27	18	V	5.6	11	8.59	184
401430175	2013	5	27	19	V	5.0	17	6.57	179
401430175	2013	5	27	20	V	7.0	33	5.65	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	27	21	V	6.4	27	5.41	170
401430175	2013	5	27	22	V	4.6	30	5.28	168
401430175	2013	5	27	23	V	4.5	10	6.01	167
401430175	2013	5	27	24	V	5.4	30	6.07	174
401430175	2013	5	28	1	V	4.5	16	4.85	169
401430175	2013	5	28	2	V	2.6	10	5.87	183
401430175	2013	5	28	3	V	1.3	3	5.55	188
401430175	2013	5	28	4	V	2.2	3	6.72	188
401430175	2013	5	28	5	V	3.6	2	6.48	184
401430175	2013	5	28	6	V	2.3	3	5.9	184
401430175	2013	5	28	7	V	2.9	2	6.19	187
401430175	2013	5	28	8	V	8.2	14	6.96	176
401430175	2013	5	28	9	V	4.2	15	7.96	194
401430175	2013	5	28	10	V	5.6	4	9.56	196
401430175	2013	5	28	11	V	4.3	13	7.62	183
401430175	2013	5	28	12	V	4.5	17	8.86	183
401430175	2013	5	28	13	V	5.4	15	8.39	177
401430175	2013	5	28	14	V	5.3	18	8.1	178
401430175	2013	5	28	15	V	4.7	25	6.86	180
401430175	2013	5	28	16	V	5.0	16	7.47	179
401430175	2013	5	28	17	V	5.5	10	7.09	185
401430175	2013	5	28	18	V	6.7	3	6.48	181
401430175	2013	5	28	19	V	5.5	13	5.79	178
401430175	2013	5	28	20	V	5.9	22	4.07	170
401430175	2013	5	28	21	V	4.1	2	3.69	162
401430175	2013	5	28	22	V	2.1	1	4.32	157
401430175	2013	5	28	23	V	4.0	15	4.27	170
401430175	2013	5	28	24	V	3.3	2	3.93	164
401430175	2013	5	29	1	V	3.7	1	4.24	166
401430175	2013	5	29	2	V	3.7	2	4.17	169
401430175	2013	5	29	3	V	2.9	1	3.57	166
401430175	2013	5	29	4	V	2.4	1	3.69	164
401430175	2013	5	29	5	V	3.9	1	3.8	168
401430175	2013	5	29	6	V	3.1	0	4.22	167
401430175	2013	5	29	7	V	4.3	1	5.31	167
401430175	2013	5	29	8	V	7.3	2	6.47	166
401430175	2013	5	29	9	V	5.8	6	7.42	171
401430175	2013	5	29	10	V	6.9	18	7.13	173
401430175	2013	5	29	11	V	6.2	16	6.94	170
401430175	2013	5	29	12	V	6.3	11	8.1	173
401430175	2013	5	29	13	V	6.3	1	6.7	168
401430175	2013	5	29	14	V	5.8	1	6.36	166
401430175	2013	5	29	15	V	4.4	1	5.75	163
401430175	2013	5	29	16	V	5.5	2	7.89	167
401430175	2013	5	29	17	V	5.6	2	6.7	161
401430175	2013	5	29	18	V	8.3	3	5.68	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	29	19	V	6.9	6	5.53	170
401430175	2013	5	29	20	V	7.5	5	3.8	219
401430175	2013	5	29	21	V	2.7	2	1.76	89
401430175	2013	5	29	22	V	1.4	2	7.23	140
401430175	2013	5	29	23	V	1.1	1	3.54	122
401430175	2013	5	29	24	V	1.5	0	2.42	27
401430175	2013	5	30	1	V	1.3	0	1.91	23
401430175	2013	5	30	2	V	0.9	0	3	10
401430175	2013	5	30	3	V	0.4	0	3.63	62
401430175	2013	5	30	4	V	3.6	0	2.74	212
401430175	2013	5	30	5	V	3.9	5	3.93	178
401430175	2013	5	30	6	V	3.8	1	5.72	166
401430175	2013	5	30	7	V	6.3	6	6.31	173
401430175	2013	5	30	8	V	5.8	12	6.23	184
401430175	2013	5	30	9	V	3.9	11	6.58	181
401430175	2013	5	30	10	V	4.3	7	8.3	183
401430175	2013	5	30	11	V	3.3	2	9.78	186
401430175	2013	5	30	12	V	3.7	0	10.07	189
401430175	2013	5	30	13	V	5.6	-999	8.11	195
401430175	2013	5	30	14	V	5.1	2	8.3	193
401430175	2013	5	30	15	V	5.2	2	6.4	194
401430175	2013	5	30	16	V	5.5	5	4.41	179
401430175	2013	5	30	17	V	10.1	5	3.73	224
401430175	2013	5	30	18	V	5.8	1	1.06	166
401430175	2013	5	30	19	V	2.0	0	1.26	63
401430175	2013	5	30	20	V	3.9	1	2.76	184
401430175	2013	5	30	21	V	2.8	1	3.15	153
401430175	2013	5	30	22	V	1.4	0	3.66	148
401430175	2013	5	30	23	V	1.4	0	2.21	158
401430175	2013	5	30	24	V	2.3	0	2.71	162
401430175	2013	5	31	1	V	3.1	0	4.24	163
401430175	2013	5	31	2	V	4.1	0	4.36	175
401430175	2013	5	31	3	V	6.5	15	8.03	174
401430175	2013	5	31	4	V	6.4	22	7.38	173
401430175	2013	5	31	5	V	6.3	33	7.64	178
401430175	2013	5	31	6	V	3.7	11	7.96	184
401430175	2013	5	31	7	V	2.6	15	7.67	185
401430175	2013	5	31	8	V	7.4	5	7.14	195
401430175	2013	5	31	9	V	5.4	5	5.46	196
401430175	2013	5	31	10	V	5.2	1	6.18	191
401430175	2013	5	31	11	V	4.9	2	6.33	192
401430175	2013	5	31	12	V	4.0	1	7.4	188
401430175	2013	5	31	13	V	4.9	1	7.96	181
401430175	2013	5	31	14	V	4.6	8	5.96	185
401430175	2013	5	31	15	V	8.0	14	5.96	205
401430175	2013	5	31	16	V	5.5	7	5.36	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	5	31	17	V	6.1	16	7.46	182
401430175	2013	5	31	18	V	6.7	20	4.86	184
401430175	2013	5	31	19	M	-999	8	2.86	999
401430175	2013	5	31	20	V	3.3	3	4.36	154
401430175	2013	5	31	21	V	4.0	5	2.86	161
401430175	2013	5	31	22	V	2.3	5	5.36	195
401430175	2013	5	31	23	M	-999	1	2.36	999
401430175	2013	5	31	24	V	5.5	0	6.18	174
401430175	2013	6	1	1	V	10.1	2	6.28	196
401430175	2013	6	1	2	V	16.0	19	4.95	211
401430175	2013	6	1	3	V	6.5	13	2.42	220
401430175	2013	6	1	4	V	0.7	4	1.84	89
401430175	2013	6	1	5	V	0.6	1	2.01	86
401430175	2013	6	1	6	V	8.3	0	2.25	123
401430175	2013	6	1	7	V	1.0	0	2.62	101
401430175	2013	6	1	8	V	1.7	0	1.79	350
401430175	2013	6	1	9	V	2.2	0	1.13	79
401430175	2013	6	1	10	V	1.9	0	1.09	6
401430175	2013	6	1	11	V	2.4	0	1.84	20
401430175	2013	6	1	12	V	3.3	0	1.5	333
401430175	2013	6	1	13	V	3.0	0	2.3	318
401430175	2013	6	1	14	V	3.5	0	2.81	295
401430175	2013	6	1	15	V	2.4	0	2.78	305
401430175	2013	6	1	16	V	2.8	0	3.2	318
401430175	2013	6	1	17	V	2.4	0	3.47	327
401430175	2013	6	1	18	V	6.0	0	3.61	347
401430175	2013	6	1	19	V	1.6	0	3.71	349
401430175	2013	6	1	20	V	1.9	0	2.25	349
401430175	2013	6	1	21	V	1.4	0	1.88	337
401430175	2013	6	1	22	V	1.0	0	1.86	346
401430175	2013	6	1	23	V	0.8	0	1.43	347
401430175	2013	6	1	24	V	2.2	0	1.67	359
401430175	2013	6	2	1	V	5.7	0	1.11	322
401430175	2013	6	2	2	V	2.6	0	2.22	347
401430175	2013	6	2	3	V	4.3	0	1.98	340
401430175	2013	6	2	4	V	0.8	0	1.42	316
401430175	2013	6	2	5	V	0.6	0	1.79	327
401430175	2013	6	2	6	V	8.4	0	1.6	332
401430175	2013	6	2	7	V	1.1	0	2.05	336
401430175	2013	6	2	8	V	1.4	0	2.62	337
401430175	2013	6	2	9	V	1.5	0	4.37	11
401430175	2013	6	2	10	V	1.2	0	3.47	14
401430175	2013	6	2	11	V	1.8	0	2.67	350
401430175	2013	6	2	12	V	2.4	0	2.89	357
401430175	2013	6	2	13	V	2.7	0	2.76	333
401430175	2013	6	2	14	V	3.2	0	3.17	338

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	2	15	V	2.2	0	3.64	4
401430175	2013	6	2	16	V	2.8	0	3.13	3
401430175	2013	6	2	17	V	2.3	0	3.81	21
401430175	2013	6	2	18	V	6.0	0	3.1	11
401430175	2013	6	2	19	V	1.6	0	3.69	23
401430175	2013	6	2	20	V	1.9	0	2.89	18
401430175	2013	6	2	21	V	1.4	0	2.03	16
401430175	2013	6	2	22	V	1.0	0	2.08	10
401430175	2013	6	2	23	V	0.7	0	1.93	9
401430175	2013	6	2	24	V	2.4	0	1.04	1
401430175	2013	6	3	1	V	5.6	0	1.54	27
401430175	2013	6	3	2	V	2.7	0	1.28	23
401430175	2013	6	3	3	V	5.6	0	0.67	52
401430175	2013	6	3	4	V	0.9	0	1.06	101
401430175	2013	6	3	5	C	-999	0	0	0
401430175	2013	6	3	6	V	10.0	0	0.79	40
401430175	2013	6	3	7	V	1.0	0	2.49	99
401430175	2013	6	3	8	V	2.9	0	2.4	153
401430175	2013	6	3	9	V	3.5	0	1.93	157
401430175	2013	6	3	10	V	1.2	0	3.22	126
401430175	2013	6	3	11	V	3.7	2	3.3	162
401430175	2013	6	3	12	V	4.5	1	3.13	167
401430175	2013	6	3	13	V	4.7	0	3.08	170
401430175	2013	6	3	14	V	5.6	0	3.03	174
401430175	2013	6	3	15	V	4.0	0	3.88	162
401430175	2013	6	3	16	V	4.6	2	4.27	161
401430175	2013	6	3	17	V	4.1	1	4.32	158
401430175	2013	6	3	18	V	8.7	2	4.9	163
401430175	2013	6	3	19	V	4.1	0	4.22	161
401430175	2013	6	3	20	V	1.9	0	4.12	143
401430175	2013	6	3	21	V	1.4	0	3.52	136
401430175	2013	6	3	22	V	1.0	0	3.2	142
401430175	2013	6	3	23	V	0.7	0	3.37	139
401430175	2013	6	3	24	V	2.2	0	2.74	141
401430175	2013	6	4	1	V	8.1	0	1.59	163
401430175	2013	6	4	2	V	3.1	3	2.21	198
401430175	2013	6	4	3	V	7.2	2	1.98	178
401430175	2013	6	4	4	V	2.7	2	1.62	210
401430175	2013	6	4	5	V	0.7	7	1.82	255
401430175	2013	6	4	6	V	9.5	15	2.76	190
401430175	2013	6	4	7	V	2.8	1	7.45	162
401430175	2013	6	4	8	V	4.0	9	7.59	180
401430175	2013	6	4	9	V	4.5	14	6.23	179
401430175	2013	6	4	10	V	4.2	13	4.27	179
401430175	2013	6	4	11	V	4.7	7	2.5	183
401430175	2013	6	4	12	V	3.4	2	1.74	49

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	4	13	V	3.5	0	1.69	92
401430175	2013	6	4	14	V	3.4	0	3.25	99
401430175	2013	6	4	15	V	2.2	0	4.36	107
401430175	2013	6	4	16	V	2.7	0	4.85	118
401430175	2013	6	4	17	V	2.3	0	4.36	124
401430175	2013	6	4	18	V	6.1	0	4.17	142
401430175	2013	6	4	19	V	1.6	0	4.34	130
401430175	2013	6	4	20	V	1.9	0	3.47	122
401430175	2013	6	4	21	V	1.4	0	2.98	118
401430175	2013	6	4	22	V	1.0	0	2.66	124
401430175	2013	6	4	23	V	0.7	0	3.25	124
401430175	2013	6	4	24	V	2.2	0	3.12	128
401430175	2013	6	5	1	V	5.6	0	3.01	139
401430175	2013	6	5	2	V	2.6	0	2.25	130
401430175	2013	6	5	3	V	4.3	0	2.06	121
401430175	2013	6	5	4	V	0.9	0	1.16	135
401430175	2013	6	5	5	V	0.7	0	2.83	280
401430175	2013	6	5	6	V	11.9	13	2.38	230
401430175	2013	6	5	7	V	6.9	10	2.5	202
401430175	2013	6	5	8	V	9.1	6	2.84	217
401430175	2013	6	5	9	V	2.1	0	1.62	284
401430175	2013	6	5	10	V	5.1	0	3.32	192
401430175	2013	6	5	11	V	2.6	6	1.79	29
401430175	2013	6	5	12	V	3.4	2	1.67	267
401430175	2013	6	5	13	V	2.9	0	2.69	292
401430175	2013	6	5	14	V	3.5	0	2.91	301
401430175	2013	6	5	15	V	2.3	0	3.41	302
401430175	2013	6	5	16	V	3.0	0	2.66	315
401430175	2013	6	5	17	V	2.5	0	2.91	344
401430175	2013	6	5	18	V	6.1	0	3.01	359
401430175	2013	6	5	19	V	1.6	0	3.73	7
401430175	2013	6	5	20	V	1.9	0	4.07	21
401430175	2013	6	5	21	V	1.4	0	3.44	11
401430175	2013	6	5	22	V	1.0	0	3.61	10
401430175	2013	6	5	23	V	0.7	0	2.93	8
401430175	2013	6	5	24	V	2.2	0	3.05	7
401430175	2013	6	6	1	V	5.6	0	2.54	1
401430175	2013	6	6	2	V	2.6	0	2.45	8
401430175	2013	6	6	3	V	4.3	0	3.03	11
401430175	2013	6	6	4	V	0.7	0	2.61	10
401430175	2013	6	6	5	V	0.6	0	3.25	8
401430175	2013	6	6	6	V	8.4	0	3.35	14
401430175	2013	6	6	7	V	1.0	0	2.91	12
401430175	2013	6	6	8	V	1.4	0	2.86	3
401430175	2013	6	6	9	V	1.5	0	3.49	9
401430175	2013	6	6	10	V	1.1	0	3.42	26

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	6	11	V	1.8	-999	3.46	21
401430175	2013	6	6	12	V	2.5	0	3.69	1
401430175	2013	6	6	13	V	2.6	0	4.25	4
401430175	2013	6	6	14	V	3.3	0	4.17	8
401430175	2013	6	6	15	V	2.2	0	4.24	6
401430175	2013	6	6	16	V	2.7	0	4.17	8
401430175	2013	6	6	17	V	2.4	0	3.9	4
401430175	2013	6	6	18	V	6.0	0	3.47	4
401430175	2013	6	6	19	V	1.6	0	3.54	14
401430175	2013	6	6	20	V	1.9	0	1.86	354
401430175	2013	6	6	21	V	1.4	0	1.3	331
401430175	2013	6	6	22	V	1.0	0	1.28	313
401430175	2013	6	6	23	V	1.3	0	0.74	277
401430175	2013	6	6	24	V	3.6	0	0.58	276
401430175	2013	6	7	1	V	6.2	0	0.7	279
401430175	2013	6	7	2	V	10.0	0	0.6	239
401430175	2013	6	7	3	C	-999	0	0	0
401430175	2013	6	7	4	V	2.2	0	0.57	268
401430175	2013	6	7	5	C	-999	0	0	0
401430175	2013	6	7	6	V	10.1	0	0.58	256
401430175	2013	6	7	7	C	-999	0	0	0
401430175	2013	6	7	8	V	2.4	0	1.09	327
401430175	2013	6	7	9	V	2.4	0	2.25	37
401430175	2013	6	7	10	V	1.5	0	2.34	27
401430175	2013	6	7	11	V	1.8	0	4.06	14
401430175	2013	6	7	12	V	2.5	0	3.76	15
401430175	2013	6	7	13	V	2.8	0	3.24	1
401430175	2013	6	7	14	V	3.5	0	3.01	345
401430175	2013	6	7	15	V	2.5	0	2.78	9
401430175	2013	6	7	16	V	2.7	0	3.05	19
401430175	2013	6	7	17	V	2.6	0	2.59	3
401430175	2013	6	7	18	V	6.6	0	1.7	15
401430175	2013	6	7	19	V	2.1	0	1.2	331
401430175	2013	6	7	20	V	2.2	0	0.77	342
401430175	2013	6	7	21	V	3.4	0	0.53	287
401430175	2013	6	7	22	V	1.3	0	0.86	289
401430175	2013	6	7	23	V	17.4	0	0.74	217
401430175	2013	6	7	24	V	8.0	0	0.77	237
401430175	2013	6	8	1	V	15.4	1	0.77	232
401430175	2013	6	8	2	V	5.8	0	0.72	243
401430175	2013	6	8	3	V	4.8	1	0.79	273
401430175	2013	6	8	4	V	2.3	1	0.6	125
401430175	2013	6	8	5	V	8.3	0	1.01	231
401430175	2013	6	8	6	V	24.4	3	0.84	218
401430175	2013	6	8	7	V	4.1	0	1.18	156
401430175	2013	6	8	8	V	4.2	1	3.12	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	8	9	V	4.6	0	4.36	169
401430175	2013	6	8	10	V	4.1	3	4.9	173
401430175	2013	6	8	11	V	4.6	4	6.33	181
401430175	2013	6	8	12	V	5.3	13	6.28	184
401430175	2013	6	8	13	V	5.4	9	6.31	172
401430175	2013	6	8	14	V	6.0	4	6.19	172
401430175	2013	6	8	15	V	5.2	8	6.52	181
401430175	2013	6	8	16	V	5.5	15	5.26	172
401430175	2013	6	8	17	V	4.9	1	4.58	166
401430175	2013	6	8	18	V	8.7	1	3.57	165
401430175	2013	6	8	19	V	5.8	10	3.35	169
401430175	2013	6	8	20	V	2.8	11	2.28	183
401430175	2013	6	8	21	V	3.1	11	1.37	185
401430175	2013	6	8	22	V	9.8	14	1.14	209
401430175	2013	6	8	23	V	2.0	8	1.53	194
401430175	2013	6	8	24	V	3.2	5	2.45	185
401430175	2013	6	9	1	V	7.2	10	5.39	186
401430175	2013	6	9	2	V	3.4	18	2.57	207
401430175	2013	6	9	3	V	4.6	4	2.11	157
401430175	2013	6	9	4	V	3.1	1	1.64	208
401430175	2013	6	9	5	V	0.8	1	1.03	273
401430175	2013	6	9	6	V	9.1	1	1.74	236
401430175	2013	6	9	7	V	1.1	0	2.33	291
401430175	2013	6	9	8	V	1.4	0	2.74	294
401430175	2013	6	9	9	V	1.5	0	3.9	300
401430175	2013	6	9	10	V	1.2	0	3.2	306
401430175	2013	6	9	11	V	1.9	0	2.52	300
401430175	2013	6	9	12	V	2.6	0	2.49	311
401430175	2013	6	9	13	V	2.9	0	2.74	9
401430175	2013	6	9	14	V	3.6	0	2.71	24
401430175	2013	6	9	15	V	2.7	0	2.18	283
401430175	2013	6	9	16	V	3.7	1	2.28	261
401430175	2013	6	9	17	V	3.8	0	1.94	256
401430175	2013	6	9	18	V	8.0	0	1.54	245
401430175	2013	6	9	19	V	8.2	0	1.84	221
401430175	2013	6	9	20	V	6.2	1	1.62	218
401430175	2013	6	9	21	V	5.3	1	1.52	215
401430175	2013	6	9	22	V	5.2	6	1.62	217
401430175	2013	6	9	23	V	14.8	28	0.87	226
401430175	2013	6	9	24	C	-999	20	0	0
401430175	2013	6	10	1	V	6.6	7	0.63	295
401430175	2013	6	10	2	V	8.3	3	1.6	222
401430175	2013	6	10	3	V	6.3	1	2.06	233
401430175	2013	6	10	4	V	5.8	2	1.89	227
401430175	2013	6	10	5	V	3.4	2	2.01	228
401430175	2013	6	10	6	V	10.8	0	1.09	236

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	10	7	V	8.0	1	2.47	216
401430175	2013	6	10	8	V	6.4	1	4.22	224
401430175	2013	6	10	9	V	7.8	1	5.11	219
401430175	2013	6	10	10	V	6.9	16	4.41	218
401430175	2013	6	10	11	V	7.0	8	4.14	219
401430175	2013	6	10	12	V	8.2	-999	4.94	208
401430175	2013	6	10	13	V	7.8	-999	5.19	215
401430175	2013	6	10	14	V	8.4	22	5.28	211
401430175	2013	6	10	15	V	7.4	34	4.99	219
401430175	2013	6	10	16	V	8.1	11	4.85	212
401430175	2013	6	10	17	V	8.2	30	4.8	212
401430175	2013	6	10	18	V	12.4	41	4.12	204
401430175	2013	6	10	19	V	5.6	6	3.68	189
401430175	2013	6	10	20	V	2.8	4	2.84	185
401430175	2013	6	10	21	V	1.8	9	2.23	191
401430175	2013	6	10	22	V	1.4	7	2.25	192
401430175	2013	6	10	23	V	2.1	3	1.87	206
401430175	2013	6	10	24	V	2.5	10	2.52	195
401430175	2013	6	11	1	V	6.3	9	2.64	205
401430175	2013	6	11	2	V	3.8	8	3.03	207
401430175	2013	6	11	3	V	5.3	8	2.54	208
401430175	2013	6	11	4	V	2.3	7	1.47	184
401430175	2013	6	11	5	V	11.2	7	0.8	179
401430175	2013	6	11	6	V	17.4	4	1.04	178
401430175	2013	6	11	7	V	6.0	23	1.67	188
401430175	2013	6	11	8	V	7.5	23	3.66	207
401430175	2013	6	11	9	V	5.3	14	4.22	194
401430175	2013	6	11	10	V	4.7	11	4.75	194
401430175	2013	6	11	11	V	4.9	2	6.14	190
401430175	2013	6	11	12	V	6.4	4	6.81	197
401430175	2013	6	11	13	V	6.2	4	6.55	194
401430175	2013	6	11	14	V	6.3	5	6.84	189
401430175	2013	6	11	15	V	5.6	7	7.13	193
401430175	2013	6	11	16	V	6.9	8	6.97	198
401430175	2013	6	11	17	V	6.2	5	6.94	196
401430175	2013	6	11	18	V	8.8	3	6.65	186
401430175	2013	6	11	19	V	4.9	2	5.38	192
401430175	2013	6	11	20	V	3.8	2	5.24	184
401430175	2013	6	11	21	V	2.1	1	3.59	187
401430175	2013	6	11	22	V	2.4	2	4	184
401430175	2013	6	11	23	V	2.6	10	4.1	182
401430175	2013	6	11	24	V	3.7	13	4.24	184
401430175	2013	6	12	1	V	6.8	8	4.58	186
401430175	2013	6	12	2	V	6.1	11	3.29	170
401430175	2013	6	12	3	V	6.9	13	3.58	177
401430175	2013	6	12	4	V	1.3	7	3.44	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	12	5	V	1.0	4	2.52	198
401430175	2013	6	12	6	V	8.9	2	3.35	196
401430175	2013	6	12	7	V	4.3	3	4.88	195
401430175	2013	6	12	8	V	7.8	8	5.38	206
401430175	2013	6	12	9	V	7.4	24	6.23	211
401430175	2013	6	12	10	V	5.4	9	7.55	201
401430175	2013	6	12	11	V	5.6	4	7.55	199
401430175	2013	6	12	12	V	6.1	9	7.81	198
401430175	2013	6	12	13	V	7.3	9	7.65	202
401430175	2013	6	12	14	V	8.1	48	7.23	202
401430175	2013	6	12	15	V	8.2	44	6.84	207
401430175	2013	6	12	16	V	8.4	46	6.16	216
401430175	2013	6	12	17	V	8.5	35	5.87	217
401430175	2013	6	12	18	V	12.9	25	5.22	214
401430175	2013	6	12	19	V	8.4	17	4.2	204
401430175	2013	6	12	20	V	2.3	8	3.32	193
401430175	2013	6	12	21	V	1.9	4	2.89	189
401430175	2013	6	12	22	V	1.3	2	2.61	198
401430175	2013	6	12	23	V	1.0	6	2.62	194
401430175	2013	6	12	24	V	4.0	15	1.67	204
401430175	2013	6	13	1	V	7.7	16	1.86	215
401430175	2013	6	13	2	V	4.5	9	1.99	215
401430175	2013	6	13	3	V	4.5	3	1.13	261
401430175	2013	6	13	4	V	0.8	1	1.48	346
401430175	2013	6	13	5	V	1.0	0	0.87	320
401430175	2013	6	13	6	V	8.4	0	1.64	274
401430175	2013	6	13	7	V	1.0	0	2.81	11
401430175	2013	6	13	8	V	1.4	0	3.07	16
401430175	2013	6	13	9	V	1.7	1	3.1	25
401430175	2013	6	13	10	V	2.2	2	3.15	34
401430175	2013	6	13	11	V	2.9	5	2.69	39
401430175	2013	6	13	12	V	3.0	6	1.93	341
401430175	2013	6	13	13	V	3.1	6	2.18	357
401430175	2013	6	13	14	V	4.2	5	1.76	36
401430175	2013	6	13	15	V	3.1	5	1.47	318
401430175	2013	6	13	16	V	3.6	4	1.4	288
401430175	2013	6	13	17	V	3.3	3	1.06	338
401430175	2013	6	13	18	V	6.9	1	1.5	346
401430175	2013	6	13	19	V	1.6	3	4	69
401430175	2013	6	13	20	V	1.9	1	3.97	60
401430175	2013	6	13	21	V	1.4	0	2.96	59
401430175	2013	6	13	22	V	1.0	1	2.37	62
401430175	2013	6	13	23	V	0.8	1	1.23	72
401430175	2013	6	13	24	V	2.2	1	1.65	70
401430175	2013	6	14	1	V	5.6	1	1.54	72
401430175	2013	6	14	2	V	3.1	1	0.82	111

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	14	3	V	4.7	1	0.92	123
401430175	2013	6	14	4	V	1.3	1	0.91	54
401430175	2013	6	14	5	V	2.2	0	0.55	301
401430175	2013	6	14	6	V	20.4	0	1.11	224
401430175	2013	6	14	7	V	3.7	0	2.3	161
401430175	2013	6	14	8	V	2.8	1	3.35	157
401430175	2013	6	14	9	V	4.1	1	4.02	164
401430175	2013	6	14	10	V	3.6	1	3.83	169
401430175	2013	6	14	11	V	4.0	2	3.73	170
401430175	2013	6	14	12	V	4.3	1	3.86	164
401430175	2013	6	14	13	V	5.4	4	4.31	176
401430175	2013	6	14	14	V	6.5	4	4.73	184
401430175	2013	6	14	15	V	6.4	6	4.71	193
401430175	2013	6	14	16	V	8.1	3	4.32	202
401430175	2013	6	14	17	V	6.4	10	4.68	189
401430175	2013	6	14	18	V	9.8	4	4.56	184
401430175	2013	6	14	19	V	5.6	3	3.61	190
401430175	2013	6	14	20	V	5.4	8	3.01	174
401430175	2013	6	14	21	V	2.3	8	2.35	182
401430175	2013	6	14	22	V	3.8	2	1.54	207
401430175	2013	6	14	23	V	15.4	2	0.87	214
401430175	2013	6	14	24	C	-999	1	0	0
401430175	2013	6	15	1	V	16.9	5	1.14	171
401430175	2013	6	15	2	V	2.7	2	2.11	154
401430175	2013	6	15	3	V	5.7	1	2.4	163
401430175	2013	6	15	4	V	2.9	1	2.66	165
401430175	2013	6	15	5	V	2.9	10	2.33	165
401430175	2013	6	15	6	V	9.8	4	2.42	162
401430175	2013	6	15	7	V	4.6	1	3.25	171
401430175	2013	6	15	8	V	5.4	10	4.29	175
401430175	2013	6	15	9	V	4.5	12	4.83	185
401430175	2013	6	15	10	V	4.2	11	4.88	178
401430175	2013	6	15	11	V	4.8	5	5.75	184
401430175	2013	6	15	12	V	5.2	2	7.47	188
401430175	2013	6	15	13	V	7.7	3	5.53	201
401430175	2013	6	15	14	V	5.2	22	3.49	244
401430175	2013	6	15	15	V	3.4	1	2.69	255
401430175	2013	6	15	16	V	5.8	1	1.55	179
401430175	2013	6	15	17	V	3.8	1	1.76	166
401430175	2013	6	15	18	V	6.3	1	2.44	112
401430175	2013	6	15	19	V	1.7	0	3.17	102
401430175	2013	6	15	20	V	1.9	0	2.84	134
401430175	2013	6	15	21	V	1.4	0	1.72	133
401430175	2013	6	15	22	V	1.0	0	1.47	134
401430175	2013	6	15	23	V	4.7	1	2.16	175
401430175	2013	6	15	24	V	2.6	0	2.37	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	16	1	V	5.6	0	1.99	154
401430175	2013	6	16	2	V	13.0	0	0.97	207
401430175	2013	6	16	3	V	11.6	0	0.82	234
401430175	2013	6	16	4	V	1.7	0	1.57	190
401430175	2013	6	16	5	V	13.3	2	0.92	227
401430175	2013	6	16	6	V	24.9	0	0.8	220
401430175	2013	6	16	7	V	9.6	1	1.11	221
401430175	2013	6	16	8	V	7.7	3	2.32	226
401430175	2013	6	16	9	V	7.4	18	4.03	203
401430175	2013	6	16	10	V	4.3	7	3.1	183
401430175	2013	6	16	11	V	4.2	2	2.93	177
401430175	2013	6	16	12	V	4.4	1	2.98	171
401430175	2013	6	16	13	V	4.4	1	2.95	167
401430175	2013	6	16	14	V	5.7	1	2.86	178
401430175	2013	6	16	15	V	5.6	8	2.86	193
401430175	2013	6	16	16	V	2.7	5	5.43	67
401430175	2013	6	16	17	V	2.2	2	8.22	76
401430175	2013	6	16	18	V	10.1	2	1.84	212
401430175	2013	6	16	19	V	4.8	2	1.82	171
401430175	2013	6	16	20	V	1.9	0	2.86	150
401430175	2013	6	16	21	V	1.4	0	2.01	74
401430175	2013	6	16	22	V	1.0	0	1.91	133
401430175	2013	6	16	23	V	1.2	3	2.25	185
401430175	2013	6	16	24	V	3.5	10	1.84	204
401430175	2013	6	17	1	V	11.0	6	1.65	176
401430175	2013	6	17	2	V	3.6	4	1.13	240
401430175	2013	6	17	3	V	4.4	2	3.2	291
401430175	2013	6	17	4	V	0.8	1	1.93	298
401430175	2013	6	17	5	V	1.7	1	1.62	184
401430175	2013	6	17	6	V	8.3	1	3.44	106
401430175	2013	6	17	7	V	5.2	1	2.13	178
401430175	2013	6	17	8	V	1.7	1	1.91	270
401430175	2013	6	17	9	V	1.8	1	1.99	279
401430175	2013	6	17	10	V	1.5	1	2.1	325
401430175	2013	6	17	11	V	2.2	1	1.91	296
401430175	2013	6	17	12	V	2.7	-999	2.33	302
401430175	2013	6	17	13	V	2.7	-999	2.91	3
401430175	2013	6	17	14	V	3.3	0	2.59	4
401430175	2013	6	17	15	V	2.2	0	3.66	15
401430175	2013	6	17	16	V	2.6	0	5.09	24
401430175	2013	6	17	17	V	2.3	3	3.23	19
401430175	2013	6	17	18	V	6.2	0	4.07	35
401430175	2013	6	17	19	V	1.7	0	2.54	25
401430175	2013	6	17	20	V	1.9	0	1.98	9
401430175	2013	6	17	21	V	1.5	0	1.16	357
401430175	2013	6	17	22	V	1.3	0	0.82	319

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	17	23	V	0.9	0	0.94	274
401430175	2013	6	17	24	V	3.0	0	0.67	272
401430175	2013	6	18	1	C	-999	0	0	0
401430175	2013	6	18	2	C	-999	0	0	0
401430175	2013	6	18	3	C	-999	0	0	0
401430175	2013	6	18	4	C	-999	0	0	0
401430175	2013	6	18	5	C	-999	0	0	0
401430175	2013	6	18	6	V	8.3	0	2.36	355
401430175	2013	6	18	7	V	1.1	0	2.36	346
401430175	2013	6	18	8	V	1.6	0	2.15	4
401430175	2013	6	18	9	V	1.6	0	2.83	16
401430175	2013	6	18	10	V	2.6	0	2.23	45
401430175	2013	6	18	11	V	2.7	0	2.71	35
401430175	2013	6	18	12	V	2.9	0	2.81	61
401430175	2013	6	18	13	V	2.8	0	3.32	79
401430175	2013	6	18	14	V	3.5	0	3.05	115
401430175	2013	6	18	15	V	2.5	0	2.89	118
401430175	2013	6	18	16	V	3.0	1	2.86	117
401430175	2013	6	18	17	V	3.0	1	3	139
401430175	2013	6	18	18	V	7.3	0	3.46	151
401430175	2013	6	18	19	V	1.7	0	3.18	132
401430175	2013	6	18	20	V	1.9	0	2.71	120
401430175	2013	6	18	21	V	1.6	0	0.97	114
401430175	2013	6	18	22	V	1.8	0	0.7	255
401430175	2013	6	18	23	V	10.4	0	1.14	227
401430175	2013	6	18	24	V	5.0	1	1.31	233
401430175	2013	6	19	1	V	18.4	12	0.86	211
401430175	2013	6	19	2	C	-999	4	0	0
401430175	2013	6	19	3	V	4.9	2	0.74	310
401430175	2013	6	19	4	V	2.3	0	0.58	334
401430175	2013	6	19	5	V	2.1	0	0.58	284
401430175	2013	6	19	6	V	25.7	0	0.63	217
401430175	2013	6	19	7	V	3.7	0	0.91	144
401430175	2013	6	19	8	V	5.5	6	1.96	183
401430175	2013	6	19	9	V	4.9	4	3.54	182
401430175	2013	6	19	10	V	4.0	4	4.68	172
401430175	2013	6	19	11	V	3.8	2	4.99	163
401430175	2013	6	19	12	V	4.0	2	5.27	159
401430175	2013	6	19	13	V	5.1	0	5.55	169
401430175	2013	6	19	14	V	5.7	9	5.8	168
401430175	2013	6	19	15	V	5.0	10	5.51	172
401430175	2013	6	19	16	V	5.5	4	4.9	171
401430175	2013	6	19	17	V	5.2	3	4.68	169
401430175	2013	6	19	18	V	9.5	0	4.56	171
401430175	2013	6	19	19	V	6.2	11	4.03	172
401430175	2013	6	19	20	V	5.7	5	2.35	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	19	21	V	3.2	0	1.93	163
401430175	2013	6	19	22	V	1.5	0	2.86	158
401430175	2013	6	19	23	V	2.1	0	2.83	162
401430175	2013	6	19	24	V	4.3	0	2.49	165
401430175	2013	6	20	1	V	5.5	0	1.88	143
401430175	2013	6	20	2	V	2.6	0	2.1	147
401430175	2013	6	20	3	V	6.9	0	2.11	165
401430175	2013	6	20	4	V	0.8	0	2.35	154
401430175	2013	6	20	5	V	0.6	0	2.61	148
401430175	2013	6	20	6	V	8.8	0	2.59	158
401430175	2013	6	20	7	V	4.2	0	3.83	167
401430175	2013	6	20	8	V	5.2	1	4.44	168
401430175	2013	6	20	9	V	4.7	1	5.28	168
401430175	2013	6	20	10	V	4.2	4	5.46	176
401430175	2013	6	20	11	V	4.6	7	5.56	175
401430175	2013	6	20	12	V	5.1	6	5.8	172
401430175	2013	6	20	13	V	5.2	3	6.21	169
401430175	2013	6	20	14	V	6.1	4	6.5	175
401430175	2013	6	20	15	V	5.2	7	7.08	174
401430175	2013	6	20	16	V	5.7	9	7.26	178
401430175	2013	6	20	17	V	5.6	11	7.16	173
401430175	2013	6	20	18	V	9.6	18	6.94	173
401430175	2013	6	20	19	V	6.1	19	6.53	174
401430175	2013	6	20	20	V	5.5	20	4.94	171
401430175	2013	6	20	21	V	4.5	13	4.22	170
401430175	2013	6	20	22	V	3.9	22	3.71	171
401430175	2013	6	20	23	V	3.6	5	3.75	171
401430175	2013	6	20	24	V	4.8	8	3.85	176
401430175	2013	6	21	1	V	8.7	12	3.35	168
401430175	2013	6	21	2	V	5.7	2	3.06	167
401430175	2013	6	21	3	V	7.0	1	2.98	166
401430175	2013	6	21	4	V	3.6	4	3.52	167
401430175	2013	6	21	5	V	4.0	8	3.46	169
401430175	2013	6	21	6	V	10.4	1	3.15	163
401430175	2013	6	21	7	V	4.6	15	4.15	175
401430175	2013	6	21	8	V	4.4	13	4.24	184
401430175	2013	6	21	9	V	4.1	11	5.62	188
401430175	2013	6	21	10	V	3.9	10	5.5	186
401430175	2013	6	21	11	V	4.7	7	5.82	181
401430175	2013	6	21	12	V	5.2	9	6.06	174
401430175	2013	6	21	13	V	5.5	9	6.3	175
401430175	2013	6	21	14	V	6.1	6	6.97	176
401430175	2013	6	21	15	V	5.2	5	6.7	177
401430175	2013	6	21	16	V	5.8	9	5.99	174
401430175	2013	6	21	17	V	5.4	12	6.43	182
401430175	2013	6	21	18	V	9.6	16	6.89	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	21	19	V	6.1	25	5.82	175
401430175	2013	6	21	20	V	5.3	34	4.68	173
401430175	2013	6	21	21	V	4.2	26	3.76	170
401430175	2013	6	21	22	V	4.3	2	3.49	169
401430175	2013	6	21	23	V	4.4	2	2.93	170
401430175	2013	6	21	24	V	4.9	12	2.86	166
401430175	2013	6	22	1	V	7.1	2	2.98	162
401430175	2013	6	22	2	V	6.8	14	2.22	174
401430175	2013	6	22	3	V	5.7	10	2.47	163
401430175	2013	6	22	4	V	4.5	4	2.74	171
401430175	2013	6	22	5	V	1.0	5	2.15	158
401430175	2013	6	22	6	V	8.6	0	2.18	157
401430175	2013	6	22	7	V	4.3	3	3.22	167
401430175	2013	6	22	8	V	4.7	13	3.92	182
401430175	2013	6	22	9	V	4.5	12	4.58	183
401430175	2013	6	22	10	V	4.1	7	5.67	185
401430175	2013	6	22	11	V	5.0	5	6.29	190
401430175	2013	6	22	12	V	5.3	10	6.43	183
401430175	2013	6	22	13	V	5.4	9	5.9	175
401430175	2013	6	22	14	V	6.1	6	6.36	174
401430175	2013	6	22	15	V	4.8	11	7.04	168
401430175	2013	6	22	16	V	5.6	8	7.26	171
401430175	2013	6	22	17	V	5.6	10	7.26	174
401430175	2013	6	22	18	V	9.5	21	7.11	175
401430175	2013	6	22	19	V	6.1	20	5.41	170
401430175	2013	6	22	20	V	5.3	18	4.71	170
401430175	2013	6	22	21	V	4.0	13	3.93	167
401430175	2013	6	22	22	V	3.5	4	3.8	167
401430175	2013	6	22	23	V	3.3	2	4.17	166
401430175	2013	6	22	24	V	4.7	2	3.76	167
401430175	2013	6	23	1	V	7.7	1	3.9	165
401430175	2013	6	23	2	V	3.1	0	4.44	155
401430175	2013	6	23	3	V	5.9	0	4.43	161
401430175	2013	6	23	4	V	3.5	5	4.05	168
401430175	2013	6	23	5	V	3.7	4	3.49	168
401430175	2013	6	23	6	V	11.0	1	3.8	167
401430175	2013	6	23	7	V	4.5	8	4.09	170
401430175	2013	6	23	8	V	3.9	22	5.68	184
401430175	2013	6	23	9	V	3.7	14	7.18	185
401430175	2013	6	23	10	V	3.4	8	7.64	187
401430175	2013	6	23	11	V	4.7	4	7.11	191
401430175	2013	6	23	12	V	5.2	10	7.06	185
401430175	2013	6	23	13	V	5.3	12	7.52	181
401430175	2013	6	23	14	V	6.1	7	6.69	177
401430175	2013	6	23	15	V	5.1	10	6.99	174
401430175	2013	6	23	16	V	5.6	11	6.89	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	23	17	V	5.6	18	6.94	173
401430175	2013	6	23	18	V	9.4	20	7.88	176
401430175	2013	6	23	19	V	5.9	30	6.86	175
401430175	2013	6	23	20	V	5.1	15	4.6	169
401430175	2013	6	23	21	V	3.8	0	4.76	164
401430175	2013	6	23	22	V	2.5	1	3.83	162
401430175	2013	6	23	23	V	2.7	1	3.66	164
401430175	2013	6	23	24	V	5.3	9	2.98	176
401430175	2013	6	24	1	V	8.7	3	2.33	167
401430175	2013	6	24	2	V	2.7	3	2.13	155
401430175	2013	6	24	3	V	4.3	0	2.3	151
401430175	2013	6	24	4	V	0.7	0	2.61	153
401430175	2013	6	24	5	V	0.9	0	3.23	154
401430175	2013	6	24	6	V	12.0	8	3.27	171
401430175	2013	6	24	7	V	4.6	16	3.17	170
401430175	2013	6	24	8	V	4.6	10	3.97	183
401430175	2013	6	24	9	V	5.0	3	5.62	195
401430175	2013	6	24	10	V	4.0	3	6.92	192
401430175	2013	6	24	11	V	4.3	8	7.6	188
401430175	2013	6	24	12	V	5.2	10	7.04	186
401430175	2013	6	24	13	V	5.6	9	6.8	186
401430175	2013	6	24	14	V	6.2	2	6.81	179
401430175	2013	6	24	15	V	5.2	8	6.46	181
401430175	2013	6	24	16	V	5.8	11	6.38	176
401430175	2013	6	24	17	V	5.6	14	6.69	176
401430175	2013	6	24	18	V	9.6	23	5.96	173
401430175	2013	6	24	19	V	6.2	30	5.73	173
401430175	2013	6	24	20	V	4.8	9	4.53	167
401430175	2013	6	24	21	V	3.6	1	3.86	165
401430175	2013	6	24	22	V	3.5	1	4.05	166
401430175	2013	6	24	23	V	3.1	1	4.15	165
401430175	2013	6	24	24	V	5.4	1	3.44	168
401430175	2013	6	25	1	V	8.3	1	2.95	166
401430175	2013	6	25	2	V	6.2	1	3.12	170
401430175	2013	6	25	3	V	8.1	3	2.98	171
401430175	2013	6	25	4	V	4.0	3	2.98	168
401430175	2013	6	25	5	V	4.1	25	3.15	169
401430175	2013	6	25	6	V	11.9	37	3.34	174
401430175	2013	6	25	7	V	4.4	18	3.97	177
401430175	2013	6	25	8	V	3.5	20	6.7	187
401430175	2013	6	25	9	V	3.8	9	6.94	188
401430175	2013	6	25	10	V	4.0	27	6.62	192
401430175	2013	6	25	11	V	5.7	7	5.48	196
401430175	2013	6	25	12	V	5.4	29	6.21	182
401430175	2013	6	25	13	V	5.4	27	7.83	175
401430175	2013	6	25	14	V	6.0	14	8.35	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	25	15	V	5.1	20	7.96	176
401430175	2013	6	25	16	V	5.5	18	9.56	176
401430175	2013	6	25	17	V	4.8	28	8.46	188
401430175	2013	6	25	18	V	8.7	8	7.46	182
401430175	2013	6	25	19	V	6.0	1	4.86	176
401430175	2013	6	25	20	V	4.9	20	3.36	169
401430175	2013	6	25	21	V	4.2	32	4.05	168
401430175	2013	6	25	22	V	3.9	3	4.02	169
401430175	2013	6	25	23	V	3.8	28	4.29	174
401430175	2013	6	25	24	V	5.1	38	3.64	169
401430175	2013	6	26	1	V	8.8	34	3.3	168
401430175	2013	6	26	2	V	6.3	29	2.72	170
401430175	2013	6	26	3	V	7.4	20	2.4	167
401430175	2013	6	26	4	V	2.4	17	2.42	179
401430175	2013	6	26	5	V	1.0	20	2.55	190
401430175	2013	6	26	6	V	9.2	6	3.07	187
401430175	2013	6	26	7	V	4.6	6	3.46	194
401430175	2013	6	26	8	V	6.1	34	5.87	200
401430175	2013	6	26	9	V	6.1	34	5.77	200
401430175	2013	6	26	10	V	6.2	29	5.79	203
401430175	2013	6	26	11	V	5.4	17	6.28	197
401430175	2013	6	26	12	V	7.2	17	5.12	202
401430175	2013	6	26	13	V	8.2	15	4.54	209
401430175	2013	6	26	14	V	8.0	11	4.37	201
401430175	2013	6	26	15	V	5.8	12	4.65	189
401430175	2013	6	26	16	V	6.6	11	4.44	190
401430175	2013	6	26	17	V	6.7	14	4.19	192
401430175	2013	6	26	18	V	11.1	10	3.95	196
401430175	2013	6	26	19	V	6.4	7	3.88	196
401430175	2013	6	26	20	V	2.3	1	2.69	191
401430175	2013	6	26	21	V	2.8	1	1.71	202
401430175	2013	6	26	22	V	1.7	1	2.03	199
401430175	2013	6	26	23	V	2.7	2	1.71	208
401430175	2013	6	26	24	V	2.7	5	0.75	317
401430175	2013	6	27	1	V	6.3	4	0.69	277
401430175	2013	6	27	2	V	16.3	9	0.7	228
401430175	2013	6	27	3	C	-999	7	0	0
401430175	2013	6	27	4	V	16.4	1	0.77	214
401430175	2013	6	27	5	V	9.3	11	1.06	211
401430175	2013	6	27	6	V	9.5	6	0.62	273
401430175	2013	6	27	7	V	6.2	14	1.3	181
401430175	2013	6	27	8	V	4.4	10	3.44	186
401430175	2013	6	27	9	V	5.6	11	4.09	195
401430175	2013	6	27	10	V	6.3	12	2.81	208
401430175	2013	6	27	11	V	4.8	11	2.27	194
401430175	2013	6	27	12	V	3.9	-999	2.32	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	27	13	V	4.4	-999	2.76	168
401430175	2013	6	27	14	V	5.2	-999	3.49	167
401430175	2013	6	27	15	V	3.9	5	3.97	160
401430175	2013	6	27	16	V	5.4	7	3.98	173
401430175	2013	6	27	17	V	5.9	6	4.05	182
401430175	2013	6	27	18	V	9.3	13	4.66	170
401430175	2013	6	27	19	V	5.9	14	3.42	177
401430175	2013	6	27	20	V	2.3	3	2.2	195
401430175	2013	6	27	21	V	1.4	4	2.49	259
401430175	2013	6	27	22	V	1.0	0	3.1	276
401430175	2013	6	27	23	V	0.7	0	2.35	259
401430175	2013	6	27	24	V	3.1	4	2.01	204
401430175	2013	6	28	1	V	7.0	8	2.81	182
401430175	2013	6	28	2	V	2.8	2	1.09	249
401430175	2013	6	28	3	V	4.3	0	2.06	278
401430175	2013	6	28	4	V	0.8	0	1.52	282
401430175	2013	6	28	5	V	0.8	0	1.11	269
401430175	2013	6	28	6	V	8.3	1	1.93	348
401430175	2013	6	28	7	V	1.2	0	1.89	354
401430175	2013	6	28	8	V	1.5	0	2.64	342
401430175	2013	6	28	9	V	1.6	0	2.95	358
401430175	2013	6	28	10	V	1.1	0	3.85	11
401430175	2013	6	28	11	V	1.7	0	4.29	11
401430175	2013	6	28	12	V	2.5	0	3.81	6
401430175	2013	6	28	13	V	2.7	0	4.05	7
401430175	2013	6	28	14	V	3.7	0	2.25	346
401430175	2013	6	28	15	V	2.9	0	1.82	312
401430175	2013	6	28	16	V	2.9	0	2.93	353
401430175	2013	6	28	17	V	2.6	0	2.88	340
401430175	2013	6	28	18	V	6.5	0	1.96	346
401430175	2013	6	28	19	V	2.9	0	0.89	300
401430175	2013	6	28	20	V	1.9	0	1.33	297
401430175	2013	6	28	21	V	1.4	0	4.39	19
401430175	2013	6	28	22	V	1.0	0	3.63	13
401430175	2013	6	28	23	V	0.7	0	3.12	12
401430175	2013	6	28	24	V	2.2	0	2.56	10
401430175	2013	6	29	1	V	5.5	0	2.49	9
401430175	2013	6	29	2	V	2.6	0	1.98	6
401430175	2013	6	29	3	V	4.6	0	0.89	268
401430175	2013	6	29	4	V	1.0	0	0.91	262
401430175	2013	6	29	5	V	0.9	0	0.97	263
401430175	2013	6	29	6	V	8.9	0	0.74	274
401430175	2013	6	29	7	V	2.5	0	0.91	285
401430175	2013	6	29	8	V	1.8	0	1.64	340
401430175	2013	6	29	9	V	1.7	0	2.4	334
401430175	2013	6	29	10	V	1.2	0	3.27	342

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	6	29	11	V	1.7	0	4.7	346
401430175	2013	6	29	12	V	2.4	0	4.58	348
401430175	2013	6	29	13	V	2.6	0	4.76	351
401430175	2013	6	29	14	V	3.3	0	4.54	346
401430175	2013	6	29	15	V	2.3	0	4.12	344
401430175	2013	6	29	16	V	2.7	0	4.25	346
401430175	2013	6	29	17	V	2.4	0	4.36	1
401430175	2013	6	29	18	V	6.0	0	4.07	348
401430175	2013	6	29	19	V	1.7	0	3.23	1
401430175	2013	6	29	20	V	1.9	0	3.39	8
401430175	2013	6	29	21	V	1.4	0	4	17
401430175	2013	6	29	22	V	1.0	0	2.96	5
401430175	2013	6	29	23	V	0.7	0	2.54	2
401430175	2013	6	29	24	V	2.2	0	2.45	349
401430175	2013	6	30	1	V	5.5	0	2.71	360
401430175	2013	6	30	2	V	2.6	0	2.37	356
401430175	2013	6	30	3	V	4.3	0	2.81	357
401430175	2013	6	30	4	V	0.7	0	3.29	358
401430175	2013	6	30	5	V	0.6	0	2.76	4
401430175	2013	6	30	6	V	8.3	0	2.06	338
401430175	2013	6	30	7	V	1.0	0	2.78	350
401430175	2013	6	30	8	V	1.3	0	4.14	8
401430175	2013	6	30	9	V	1.5	0	3.9	7
401430175	2013	6	30	10	V	1.1	0	4.53	360
401430175	2013	6	30	11	V	1.7	0	5.16	3
401430175	2013	6	30	12	V	2.4	0	5.55	5
401430175	2013	6	30	13	V	2.5	0	6.01	11
401430175	2013	6	30	14	V	3.2	0	5.45	6
401430175	2013	6	30	15	V	2.2	0	5.27	11
401430175	2013	6	30	16	V	2.7	0	4.49	7
401430175	2013	6	30	17	V	2.3	0	4.78	15
401430175	2013	6	30	18	V	6.0	0	4.22	1
401430175	2013	6	30	19	V	1.7	0	2.96	352
401430175	2013	6	30	20	V	1.9	0	2.32	349
401430175	2013	6	30	21	V	1.4	0	1.96	342
401430175	2013	6	30	22	V	1.0	0	2.08	347
401430175	2013	6	30	23	V	0.7	0	2.42	6
401430175	2013	6	30	24	V	2.2	0	1.69	352
401430175	2013	7	1	1	V	5.5	0	2.18	4
401430175	2013	7	1	2	V	2.6	0	2.39	2
401430175	2013	7	1	3	V	4.3	0	2.42	358
401430175	2013	7	1	4	V	0.7	0	2.44	6
401430175	2013	7	1	5	V	0.7	0	1.71	3
401430175	2013	7	1	6	V	8.3	0	2.33	3
401430175	2013	7	1	7	V	0.9	0	3.23	4
401430175	2013	7	1	8	V	1.4	0	3.42	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	1	9	V	1.5	0	3.76	16
401430175	2013	7	1	10	V	1.1	0	4.56	19
401430175	2013	7	1	11	V	1.7	0	5.04	10
401430175	2013	7	1	12	V	2.3	0	5.33	19
401430175	2013	7	1	13	V	2.6	0	4.17	357
401430175	2013	7	1	14	V	3.2	0	3.9	357
401430175	2013	7	1	15	V	2.2	0	3.97	355
401430175	2013	7	1	16	V	2.6	0	4.51	9
401430175	2013	7	1	17	V	2.3	0	4.09	5
401430175	2013	7	1	18	V	5.9	0	5.48	18
401430175	2013	7	1	19	V	1.6	0	5.22	16
401430175	2013	7	1	20	V	2.0	0	5	26
401430175	2013	7	1	21	V	1.4	0	2.04	17
401430175	2013	7	1	22	V	1.1	0	1.03	340
401430175	2013	7	1	23	V	0.8	0	1.38	320
401430175	2013	7	1	24	V	3.0	0	0.69	259
401430175	2013	7	2	1	V	6.3	0	0.74	254
401430175	2013	7	2	2	V	6.7	0	0.63	244
401430175	2013	7	2	3	C	-999	0	0	0
401430175	2013	7	2	4	V	1.8	0	0.63	289
401430175	2013	7	2	5	V	1.4	0	0.69	290
401430175	2013	7	2	6	V	8.5	0	1.04	307
401430175	2013	7	2	7	V	2.0	0	0.84	335
401430175	2013	7	2	8	V	1.5	0	2.25	17
401430175	2013	7	2	9	V	2.4	0	1.81	25
401430175	2013	7	2	10	V	2.2	1	1.14	342
401430175	2013	7	2	11	V	2.1	0	2.47	23
401430175	2013	7	2	12	V	2.5	0	3.18	8
401430175	2013	7	2	13	V	2.6	0	4.25	19
401430175	2013	7	2	14	V	3.2	0	4.05	8
401430175	2013	7	2	15	V	2.2	0	4.1	20
401430175	2013	7	2	16	V	2.8	0	3.3	9
401430175	2013	7	2	17	V	2.4	0	3.22	11
401430175	2013	7	2	18	V	6.0	0	3.3	16
401430175	2013	7	2	19	V	1.7	0	2.32	13
401430175	2013	7	2	20	V	1.9	0	1.65	13
401430175	2013	7	2	21	V	1.5	0	1.16	15
401430175	2013	7	2	22	V	1.3	0	0.87	350
401430175	2013	7	2	23	V	1.2	0	0.77	274
401430175	2013	7	2	24	V	2.9	0	0.7	280
401430175	2013	7	3	1	V	7.5	0	0.53	263
401430175	2013	7	3	2	C	-999	0	0	0
401430175	2013	7	3	3	C	-999	0	0	0
401430175	2013	7	3	4	V	3.1	0	0.52	284
401430175	2013	7	3	5	C	-999	0	0	0
401430175	2013	7	3	6	V	9.3	0	0.63	261

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	3	7	C	-999	1	0	0
401430175	2013	7	3	8	V	3.8	2	0.79	109
401430175	2013	7	3	9	V	5.2	1	2.01	163
401430175	2013	7	3	10	V	4.3	0	1.64	180
401430175	2013	7	3	11	V	2.2	0	1.86	120
401430175	2013	7	3	12	V	2.9	0	2.11	126
401430175	2013	7	3	13	V	2.9	0	2.52	112
401430175	2013	7	3	14	V	3.5	0	2.56	114
401430175	2013	7	3	15	V	2.5	0	2.59	119
401430175	2013	7	3	16	V	2.9	2	2.88	122
401430175	2013	7	3	17	V	5.4	1	3.18	171
401430175	2013	7	3	18	V	6.0	0	3.68	124
401430175	2013	7	3	19	V	1.6	0	3.46	138
401430175	2013	7	3	20	V	4.6	0	1.7	164
401430175	2013	7	3	21	C	-999	0	0	0
401430175	2013	7	3	22	C	-999	0	0	0
401430175	2013	7	3	23	V	2.0	0	0.6	280
401430175	2013	7	3	24	V	3.5	0	0.6	279
401430175	2013	7	4	1	V	6.1	0	0.75	287
401430175	2013	7	4	2	V	3.2	0	0.74	278
401430175	2013	7	4	3	V	6.2	0	0.53	269
401430175	2013	7	4	4	V	2.4	0	0.86	243
401430175	2013	7	4	5	V	5.8	2	0.75	238
401430175	2013	7	4	6	V	24.8	2	0.67	220
401430175	2013	7	4	7	V	4.2	0	1.38	163
401430175	2013	7	4	8	V	4.2	3	2.64	164
401430175	2013	7	4	9	V	4.7	15	3.75	184
401430175	2013	7	4	10	V	5.0	8	4.99	196
401430175	2013	7	4	11	V	5.4	12	4.82	194
401430175	2013	7	4	12	V	7.1	17	4.27	198
401430175	2013	7	4	13	V	7.8	2	2.78	213
401430175	2013	7	4	14	V	6.1	4	2.01	183
401430175	2013	7	4	15	V	5.8	3	2.71	183
401430175	2013	7	4	16	V	7.5	2	2.62	196
401430175	2013	7	4	17	V	5.7	6	4.29	170
401430175	2013	7	4	18	V	9.6	0	5.05	168
401430175	2013	7	4	19	V	1.6	0	4.9	142
401430175	2013	7	4	20	V	4.3	0	3.37	166
401430175	2013	7	4	21	V	5.4	0	2.33	171
401430175	2013	7	4	22	V	6.5	2	0.91	193
401430175	2013	7	4	23	V	8.0	2	0.92	163
401430175	2013	7	4	24	V	2.4	1	1.55	154
401430175	2013	7	5	1	V	10.9	3	0.92	190
401430175	2013	7	5	2	V	14.5	3	0.55	233
401430175	2013	7	5	3	V	12.2	2	0.53	161
401430175	2013	7	5	4	V	12.2	3	1.04	226

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	5	5	V	10.8	12	1.04	168
401430175	2013	7	5	6	V	19.6	1	0.82	176
401430175	2013	7	5	7	V	5.0	1	1.48	170
401430175	2013	7	5	8	V	4.3	0	3.13	166
401430175	2013	7	5	9	V	4.8	4	3.98	181
401430175	2013	7	5	10	V	4.2	15	4.25	189
401430175	2013	7	5	11	V	4.8	9	4.78	191
401430175	2013	7	5	12	V	6.8	7	4.7	198
401430175	2013	7	5	13	V	8.4	8	3.22	205
401430175	2013	7	5	14	V	7.6	7	2.67	193
401430175	2013	7	5	15	V	4.9	4	2.23	176
401430175	2013	7	5	16	V	6.2	2	3.17	180
401430175	2013	7	5	17	V	5.5	2	3.83	167
401430175	2013	7	5	18	V	8.2	5	4.49	160
401430175	2013	7	5	19	V	2.4	0	3.46	153
401430175	2013	7	5	20	V	1.9	0	2.23	146
401430175	2013	7	5	21	V	1.4	0	1.84	139
401430175	2013	7	5	22	V	1.0	1	2.45	147
401430175	2013	7	5	23	V	0.9	1	2.27	157
401430175	2013	7	5	24	V	4.6	0	2.52	177
401430175	2013	7	6	1	V	7.7	14	3.15	179
401430175	2013	7	6	2	V	4.0	15	3.01	183
401430175	2013	7	6	3	V	5.7	16	2.81	182
401430175	2013	7	6	4	V	4.1	12	2.76	169
401430175	2013	7	6	5	V	6.1	17	1.88	171
401430175	2013	7	6	6	V	11.5	5	2.47	168
401430175	2013	7	6	7	V	4.9	3	3.01	170
401430175	2013	7	6	8	V	4.5	22	3.06	181
401430175	2013	7	6	9	V	5.7	12	3.68	169
401430175	2013	7	6	10	V	1.4	1	4.42	150
401430175	2013	7	6	11	V	3.0	1	4.22	156
401430175	2013	7	6	12	V	4.2	0	5.1	160
401430175	2013	7	6	13	V	4.7	1	5.48	162
401430175	2013	7	6	14	V	4.8	1	5.82	159
401430175	2013	7	6	15	V	4.2	1	5.87	161
401430175	2013	7	6	16	V	5.5	15	5.09	165
401430175	2013	7	6	17	V	5.3	1	3.81	165
401430175	2013	7	6	18	V	5.9	1	3.9	135
401430175	2013	7	6	19	V	1.6	0	3.44	133
401430175	2013	7	6	20	V	1.9	0	3.13	149
401430175	2013	7	6	21	V	7.0	0	1.72	172
401430175	2013	7	6	22	V	2.3	3	0.84	151
401430175	2013	7	6	23	C	-999	4	0	0
401430175	2013	7	6	24	V	18.7	1	0.63	215
401430175	2013	7	7	1	V	21.0	6	0.87	223
401430175	2013	7	7	2	V	3.2	24	2.13	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	7	3	V	5.0	36	2.91	187
401430175	2013	7	7	4	V	3.5	22	1.76	179
401430175	2013	7	7	5	V	0.6	9	2.01	142
401430175	2013	7	7	6	V	11.7	25	2.16	176
401430175	2013	7	7	7	V	5.1	14	2.01	172
401430175	2013	7	7	8	V	6.2	18	1.6	177
401430175	2013	7	7	9	V	4.8	23	3.32	186
401430175	2013	7	7	10	V	3.7	17	5.07	188
401430175	2013	7	7	11	V	5.0	16	5.22	193
401430175	2013	7	7	12	V	5.5	11	4.71	181
401430175	2013	7	7	13	V	6.2	5	4.34	190
401430175	2013	7	7	14	V	6.4	6	4.46	172
401430175	2013	7	7	15	V	5.6	9	4.85	173
401430175	2013	7	7	16	V	6.2	6	5.12	171
401430175	2013	7	7	17	V	5.2	7	4.65	164
401430175	2013	7	7	18	V	8.4	1	4.66	161
401430175	2013	7	7	19	V	5.4	0	3.86	165
401430175	2013	7	7	20	V	5.1	0	3.07	168
401430175	2013	7	7	21	V	1.9	0	1.94	192
401430175	2013	7	7	22	V	12.2	1	0.99	213
401430175	2013	7	7	23	V	8.8	2	0.62	237
401430175	2013	7	7	24	C	-999	3	0	0
401430175	2013	7	8	1	V	13.8	3	0.65	236
401430175	2013	7	8	2	C	-999	4	0	0
401430175	2013	7	8	3	V	8.5	7	0.52	250
401430175	2013	7	8	4	C	-999	1	0	0
401430175	2013	7	8	5	V	13.5	0	0.62	201
401430175	2013	7	8	6	V	18.1	4	0.62	186
401430175	2013	7	8	7	V	4.5	13	0.58	253
401430175	2013	7	8	8	V	6.3	15	2.96	200
401430175	2013	7	8	9	V	4.2	15	4.07	185
401430175	2013	7	8	10	V	6.8	8	1.52	227
401430175	2013	7	8	11	V	5.1	8	4.22	190
401430175	2013	7	8	12	V	6.3	9	4.36	194
401430175	2013	7	8	13	V	6.0	10	4.65	188
401430175	2013	7	8	14	V	6.6	8	4.65	185
401430175	2013	7	8	15	V	5.7	14	4.56	183
401430175	2013	7	8	16	V	6.2	12	5	176
401430175	2013	7	8	17	V	5.0	11	5.28	163
401430175	2013	7	8	18	V	10.1	15	5.27	172
401430175	2013	7	8	19	V	6.5	12	4.78	171
401430175	2013	7	8	20	V	5.4	26	3.12	170
401430175	2013	7	8	21	V	5.1	3	2.61	172
401430175	2013	7	8	22	V	1.6	6	1.89	191
401430175	2013	7	8	23	V	9.3	14	1.31	219
401430175	2013	7	8	24	V	6.1	19	1.21	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	9	1	V	6.1	25	1.89	188
401430175	2013	7	9	2	V	3.2	12	2.95	189
401430175	2013	7	9	3	V	4.9	6	3.17	190
401430175	2013	7	9	4	V	1.6	2	1.96	202
401430175	2013	7	9	5	V	7.4	16	1.25	209
401430175	2013	7	9	6	V	9.3	11	1.65	193
401430175	2013	7	9	7	V	3.7	14	3.56	188
401430175	2013	7	9	8	V	6.2	10	4.42	202
401430175	2013	7	9	9	V	8.2	16	4.58	206
401430175	2013	7	9	10	V	6.5	8	4.05	201
401430175	2013	7	9	11	V	4.4	7	5.02	185
401430175	2013	7	9	12	V	5.3	-999	5.22	184
401430175	2013	7	9	13	V	5.6	10	5.43	189
401430175	2013	7	9	14	V	7.2	8	5.9	197
401430175	2013	7	9	15	V	6.3	7	5.41	196
401430175	2013	7	9	16	V	8.2	17	5.34	202
401430175	2013	7	9	17	V	8.9	19	4.99	205
401430175	2013	7	9	18	V	13.1	20	4.83	206
401430175	2013	7	9	19	V	6.2	13	4.48	197
401430175	2013	7	9	20	V	3.2	1	3.68	184
401430175	2013	7	9	21	V	2.2	3	3.61	187
401430175	2013	7	9	22	V	1.6	1	3.54	189
401430175	2013	7	9	23	V	1.3	1	2.84	200
401430175	2013	7	9	24	V	5.0	3	1.59	214
401430175	2013	7	10	1	V	6.9	3	1.94	208
401430175	2013	7	10	2	V	3.1	14	2.28	199
401430175	2013	7	10	3	V	9.5	29	1.21	203
401430175	2013	7	10	4	V	0.9	3	1.14	354
401430175	2013	7	10	5	V	10.0	3	1.04	207
401430175	2013	7	10	6	V	24.4	11	0.84	222
401430175	2013	7	10	7	V	5.1	1	1.88	178
401430175	2013	7	10	8	V	5.6	16	2.06	184
401430175	2013	7	10	9	V	8.3	20	2.76	209
401430175	2013	7	10	10	V	8.3	8	3.68	218
401430175	2013	7	10	11	V	5.5	0	2.11	235
401430175	2013	7	10	12	V	2.8	0	2.04	268
401430175	2013	7	10	13	V	3.0	0	1.88	292
401430175	2013	7	10	14	V	4.0	0	1.47	297
401430175	2013	7	10	15	V	2.6	0	2.52	263
401430175	2013	7	10	16	V	3.0	0	2.13	279
401430175	2013	7	10	17	V	4.0	0	2.23	249
401430175	2013	7	10	18	V	8.7	0	2.89	240
401430175	2013	7	10	19	V	3.5	0	2.06	244
401430175	2013	7	10	20	V	2.1	1	0.87	258
401430175	2013	7	10	21	V	1.9	1	0.69	274
401430175	2013	7	10	22	V	1.6	2	0.72	295

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	10	23	V	0.9	2	1.08	248
401430175	2013	7	10	24	V	5.6	1	1.48	208
401430175	2013	7	11	1	V	15.7	1	0.97	167
401430175	2013	7	11	2	V	6.2	0	1.35	181
401430175	2013	7	11	3	V	14.6	0	0.69	180
401430175	2013	7	11	4	V	5.8	0	0.94	189
401430175	2013	7	11	5	V	0.7	0	1.53	118
401430175	2013	7	11	6	V	8.4	0	1.77	108
401430175	2013	7	11	7	V	1.1	0	2.2	137
401430175	2013	7	11	8	V	5.8	2	1.94	179
401430175	2013	7	11	9	V	10.2	4	1.94	208
401430175	2013	7	11	10	V	2.9	1	0.96	327
401430175	2013	7	11	11	V	2.1	1	1.72	1
401430175	2013	7	11	12	V	3.7	1	2.08	39
401430175	2013	7	11	13	V	3.6	1	3.29	47
401430175	2013	7	11	14	V	3.9	1	3.35	51
401430175	2013	7	11	15	V	2.4	2	3.29	63
401430175	2013	7	11	16	V	3.0	3	4.44	54
401430175	2013	7	11	17	V	2.3	1	3.8	71
401430175	2013	7	11	18	V	8.4	20	1.94	245
401430175	2013	7	11	19	V	4.9	10	0.89	224
401430175	2013	7	11	20	V	6.8	3	1.13	232
401430175	2013	7	11	21	V	2.0	2	0.72	289
401430175	2013	7	11	22	V	1.6	2	0.72	280
401430175	2013	7	11	23	V	1.6	1	0.65	269
401430175	2013	7	11	24	V	5.3	0	0.75	242
401430175	2013	7	12	1	V	18.9	0	0.8	211
401430175	2013	7	12	2	V	9.5	5	0.74	236
401430175	2013	7	12	3	C	-999	4	0	0
401430175	2013	7	12	4	C	-999	1	0	0
401430175	2013	7	12	5	V	6.2	1	0.91	190
401430175	2013	7	12	6	V	10.2	0	1.3	186
401430175	2013	7	12	7	V	4.9	0	1.82	168
401430175	2013	7	12	8	V	4.3	0	3.61	166
401430175	2013	7	12	9	V	3.4	0	3.88	161
401430175	2013	7	12	10	V	3.8	1	4.19	163
401430175	2013	7	12	11	V	2.8	1	4.36	156
401430175	2013	7	12	12	V	5.0	2	4.29	165
401430175	2013	7	12	13	V	4.8	2	4.1	162
401430175	2013	7	12	14	V	5.4	1	4.1	161
401430175	2013	7	12	15	V	3.8	1	3.98	156
401430175	2013	7	12	16	V	3.8	0	4.09	152
401430175	2013	7	12	17	V	2.8	0	3.97	146
401430175	2013	7	12	18	V	5.9	0	5	134
401430175	2013	7	12	19	V	1.6	0	4.75	129
401430175	2013	7	12	20	V	1.9	0	3.15	138

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	12	21	V	1.4	0	2.18	142
401430175	2013	7	12	22	V	1.0	0	2.08	151
401430175	2013	7	12	23	V	9.3	0	1.33	175
401430175	2013	7	12	24	V	3.7	0	1.64	198
401430175	2013	7	13	1	V	9.8	2	2.3	173
401430175	2013	7	13	2	V	3.2	1	2.03	159
401430175	2013	7	13	3	V	4.4	1	2.06	151
401430175	2013	7	13	4	V	2.3	0	2.16	163
401430175	2013	7	13	5	V	4.5	1	2.5	171
401430175	2013	7	13	6	V	11.1	0	2.5	167
401430175	2013	7	13	7	V	4.5	0	3.46	167
401430175	2013	7	13	8	V	4.7	11	3.9	176
401430175	2013	7	13	9	V	5.9	18	4.56	172
401430175	2013	7	13	10	V	4.4	7	4.27	180
401430175	2013	7	13	11	V	5.3	6	3.86	175
401430175	2013	7	13	12	V	3.5	2	3.63	153
401430175	2013	7	13	13	V	4.4	1	3.64	159
401430175	2013	7	13	14	V	5.5	2	3.42	163
401430175	2013	7	13	15	V	2.2	1	3.66	123
401430175	2013	7	13	16	V	2.8	1	3.2	134
401430175	2013	7	13	17	V	2.3	0	3.57	128
401430175	2013	7	13	18	V	5.9	1	3.69	121
401430175	2013	7	13	19	V	1.6	0	4.07	124
401430175	2013	7	13	20	V	1.9	0	3.64	137
401430175	2013	7	13	21	V	1.5	1	4.19	151
401430175	2013	7	13	22	V	1.0	1	4.78	147
401430175	2013	7	13	23	V	0.9	3	3.69	152
401430175	2013	7	13	24	V	2.4	3	2.11	155
401430175	2013	7	14	1	V	9.3	8	1.57	228
401430175	2013	7	14	2	V	3.2	1	0.75	322
401430175	2013	7	14	3	V	13.2	1	1.31	169
401430175	2013	7	14	4	V	0.7	3	1.76	252
401430175	2013	7	14	5	V	1.2	2	2.11	198
401430175	2013	7	14	6	V	8.3	1	2.21	133
401430175	2013	7	14	7	V	2.6	1	0.75	300
401430175	2013	7	14	8	V	6.4	5	0.94	238
401430175	2013	7	14	9	V	5.9	20	1.91	232
401430175	2013	7	14	10	V	4.7	10	4	193
401430175	2013	7	14	11	V	5.3	7	4.05	170
401430175	2013	7	14	12	V	2.5	1	3.75	142
401430175	2013	7	14	13	V	4.7	4	4.71	161
401430175	2013	7	14	14	V	6.5	4	4.53	169
401430175	2013	7	14	15	V	5.3	6	3.3	174
401430175	2013	7	14	16	V	7.8	1	2.15	210
401430175	2013	7	14	17	V	2.6	0	1.99	349
401430175	2013	7	14	18	V	5.9	0	3.24	2

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	14	19	V	1.8	0	1.74	262
401430175	2013	7	14	20	V	1.9	3	1.13	252
401430175	2013	7	14	21	V	1.4	1	1.64	244
401430175	2013	7	14	22	V	1.1	5	2.37	244
401430175	2013	7	14	23	V	0.7	1	1.52	254
401430175	2013	7	14	24	V	2.3	3	1.3	354
401430175	2013	7	15	1	V	5.5	0	1.81	272
401430175	2013	7	15	2	V	2.6	1	1.91	248
401430175	2013	7	15	3	V	4.4	5	2.56	260
401430175	2013	7	15	4	V	0.8	4	1.86	310
401430175	2013	7	15	5	V	0.7	1	2.42	279
401430175	2013	7	15	6	V	8.4	0	1.16	306
401430175	2013	7	15	7	V	1.1	0	1.67	10
401430175	2013	7	15	8	V	2.3	0	3.12	32
401430175	2013	7	15	9	V	1.9	0	2.95	30
401430175	2013	7	15	10	V	2.2	0	3.2	53
401430175	2013	7	15	11	V	1.6	0	5.12	99
401430175	2013	7	15	12	V	2.3	1	6.58	136
401430175	2013	7	15	13	V	4.3	0	5.77	160
401430175	2013	7	15	14	V	6.5	3	5.02	168
401430175	2013	7	15	15	V	5.4	6	4.99	180
401430175	2013	7	15	16	V	6.2	9	3.54	190
401430175	2013	7	15	17	V	7.3	9	2.23	194
401430175	2013	7	15	18	V	10.9	7	1.77	228
401430175	2013	7	15	19	V	2.4	5	1.23	254
401430175	2013	7	15	20	V	2.6	5	0.52	325
401430175	2013	7	15	21	V	1.8	4	0.79	327
401430175	2013	7	15	22	V	3.8	2	0.55	252
401430175	2013	7	15	23	V	2.6	1	0.55	5
401430175	2013	7	15	24	V	4.4	1	1.11	50
401430175	2013	7	16	1	V	5.7	0	1.04	26
401430175	2013	7	16	2	V	2.7	0	1.23	9
401430175	2013	7	16	3	V	4.4	0	1.47	131
401430175	2013	7	16	4	V	0.8	0	2.03	103
401430175	2013	7	16	5	V	0.7	0	1.26	73
401430175	2013	7	16	6	C	-999	0	0	0
401430175	2013	7	16	7	V	1.3	1	1.5	94
401430175	2013	7	16	8	V	1.4	0	2.16	101
401430175	2013	7	16	9	V	1.6	0	2.59	128
401430175	2013	7	16	10	V	1.9	0	3.03	151
401430175	2013	7	16	11	V	1.9	0	3.49	142
401430175	2013	7	16	12	V	2.4	0	3.34	129
401430175	2013	7	16	13	V	2.5	0	4.95	106
401430175	2013	7	16	14	V	3.2	0	3.59	117
401430175	2013	7	16	15	V	2.2	0	3.86	108
401430175	2013	7	16	16	V	2.6	0	4	113

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	16	17	V	2.2	0	4.75	117
401430175	2013	7	16	18	V	5.9	0	3.58	107
401430175	2013	7	16	19	V	1.6	0	3.59	101
401430175	2013	7	16	20	V	1.9	0	2.23	97
401430175	2013	7	16	21	V	1.5	1	1.18	74
401430175	2013	7	16	22	V	5.1	0	1.3	48
401430175	2013	7	16	23	V	1.2	0	0.77	10
401430175	2013	7	16	24	V	2.5	0	1.18	33
401430175	2013	7	17	1	V	6.5	0	0.74	33
401430175	2013	7	17	2	V	4.7	0	0.74	42
401430175	2013	7	17	3	V	5.6	0	0.63	74
401430175	2013	7	17	4	C	-999	0	0	0
401430175	2013	7	17	5	V	2.5	0	0.57	37
401430175	2013	7	17	6	V	8.6	0	1.03	132
401430175	2013	7	17	7	V	2.0	0	1.2	143
401430175	2013	7	17	8	V	1.6	0	2.3	135
401430175	2013	7	17	9	V	4.5	0	2.62	163
401430175	2013	7	17	10	V	4.7	4	3.25	170
401430175	2013	7	17	11	V	3.2	0	2.69	154
401430175	2013	7	17	12	V	2.5	0	2.88	126
401430175	2013	7	17	13	V	2.8	2	3.22	133
401430175	2013	7	17	14	V	3.3	0	3.64	111
401430175	2013	7	17	15	V	2.2	0	4.03	109
401430175	2013	7	17	16	V	2.7	0	3.97	120
401430175	2013	7	17	17	V	2.3	1	4.05	127
401430175	2013	7	17	18	V	6.8	2	3.78	151
401430175	2013	7	17	19	V	5.6	4	3.01	166
401430175	2013	7	17	20	V	4.5	1	2.03	178
401430175	2013	7	17	21	V	1.6	7	1.18	244
401430175	2013	7	17	22	V	1.2	1	0.96	269
401430175	2013	7	17	23	C	-999	0	0	0
401430175	2013	7	17	24	C	-999	0	0	0
401430175	2013	7	18	1	V	7.7	0	0.52	267
401430175	2013	7	18	2	C	-999	0	0	0
401430175	2013	7	18	3	C	-999	0	0	0
401430175	2013	7	18	4	V	2.0	0	0.6	269
401430175	2013	7	18	5	C	-999	0	0	0
401430175	2013	7	18	6	V	16.4	0	0.55	239
401430175	2013	7	18	7	V	5.5	0	0.63	240
401430175	2013	7	18	8	V	7.7	0	0.77	212
401430175	2013	7	18	9	V	6.5	5	1.74	194
401430175	2013	7	18	10	V	6.4	5	1.84	211
401430175	2013	7	18	11	V	6.4	4	2.13	222
401430175	2013	7	18	12	V	6.8	3	2.59	194
401430175	2013	7	18	13	V	7.7	-999	2.74	215
401430175	2013	7	18	14	V	8.8	7	3	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	18	15	V	7.7	5	2.98	216
401430175	2013	7	18	16	V	7.5	3	3	228
401430175	2013	7	18	17	V	3.8	1	2.42	250
401430175	2013	7	18	18	V	6.3	0	1.91	274
401430175	2013	7	18	19	V	1.9	0	1.4	267
401430175	2013	7	18	20	V	2.2	0	0.74	257
401430175	2013	7	18	21	V	11.4	1	0.75	232
401430175	2013	7	18	22	V	14.0	1	0.62	230
401430175	2013	7	18	23	V	6.8	1	0.55	243
401430175	2013	7	18	24	C	-999	2	0	0
401430175	2013	7	19	1	V	5.8	2	0.97	249
401430175	2013	7	19	2	V	19.6	0	0.65	217
401430175	2013	7	19	3	V	6.1	0	0.57	81
401430175	2013	7	19	4	V	3.9	0	0.62	247
401430175	2013	7	19	5	V	2.5	1	1.4	194
401430175	2013	7	19	6	V	17.7	9	1.04	207
401430175	2013	7	19	7	V	5.1	24	1.55	187
401430175	2013	7	19	8	V	6.7	21	2.22	198
401430175	2013	7	19	9	V	6.8	14	2.16	224
401430175	2013	7	19	10	V	5.2	2	2.42	233
401430175	2013	7	19	11	V	4.6	2	2.37	238
401430175	2013	7	19	12	V	6.7	1	2.25	217
401430175	2013	7	19	13	V	6.5	3	2.61	229
401430175	2013	7	19	14	V	6.9	1	2.69	232
401430175	2013	7	19	15	V	6.3	1	3.12	231
401430175	2013	7	19	16	V	8.4	1	3.29	222
401430175	2013	7	19	17	V	4.3	3	2.57	246
401430175	2013	7	19	18	V	12.2	0	2.54	223
401430175	2013	7	19	19	V	8.2	7	2.57	227
401430175	2013	7	19	20	V	6.6	4	1.52	225
401430175	2013	7	19	21	V	2.6	6	3.77	209
401430175	2013	7	19	22	V	3.9	15	2.86	176
401430175	2013	7	19	23	V	1.3	5	2.36	204
401430175	2013	7	19	24	V	7.5	7	1.53	218
401430175	2013	7	20	1	V	8.1	20	1.52	205
401430175	2013	7	20	2	V	4.1	15	1.67	199
401430175	2013	7	20	3	V	5.7	24	1.77	202
401430175	2013	7	20	4	V	3.3	32	1.72	215
401430175	2013	7	20	5	V	12.6	2	0.79	229
401430175	2013	7	20	6	V	10.0	22	1.65	182
401430175	2013	7	20	7	V	4.4	25	2.27	189
401430175	2013	7	20	8	V	5.8	24	2.18	191
401430175	2013	7	20	9	V	7.4	19	2.64	214
401430175	2013	7	20	10	V	6.4	9	1.76	189
401430175	2013	7	20	11	V	3.7	2	2.67	158
401430175	2013	7	20	12	V	3.7	1	3	153

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	20	13	V	4.4	6	3.8	159
401430175	2013	7	20	14	V	6.4	1	4.24	172
401430175	2013	7	20	15	V	5.4	9	4.31	172
401430175	2013	7	20	16	V	6.2	7	4.51	180
401430175	2013	7	20	17	V	5.8	12	5.21	189
401430175	2013	7	20	18	V	9.3	15	5.02	190
401430175	2013	7	20	19	V	9.3	13	4.05	209
401430175	2013	7	20	20	V	2.7	14	2.05	202
401430175	2013	7	20	21	V	2.3	3	1.93	201
401430175	2013	7	20	22	V	1.6	7	2.54	183
401430175	2013	7	20	23	V	3.6	14	2.16	177
401430175	2013	7	20	24	V	2.4	1	4.39	55
401430175	2013	7	21	1	V	6.0	0	4.54	53
401430175	2013	7	21	2	V	2.6	0	3.25	66
401430175	2013	7	21	3	V	8.5	0	3.07	44
401430175	2013	7	21	4	V	0.8	0	3.71	9
401430175	2013	7	21	5	V	0.7	0	4.29	29
401430175	2013	7	21	6	V	11.2	0	2.98	41
401430175	2013	7	21	7	V	1.5	0	2.38	58
401430175	2013	7	21	8	V	1.4	0	2.95	118
401430175	2013	7	21	9	V	1.7	0	1.89	11
401430175	2013	7	21	10	V	1.1	0	3.52	121
401430175	2013	7	21	11	V	1.8	0	2.4	122
401430175	2013	7	21	12	V	2.7	0	2.13	67
401430175	2013	7	21	13	V	2.6	0	2.81	112
401430175	2013	7	21	14	V	4.6	0	3.59	156
401430175	2013	7	21	15	V	5.6	6	4.85	177
401430175	2013	7	21	16	V	5.9	12	4.49	185
401430175	2013	7	21	17	V	6.4	11	4.05	193
401430175	2013	7	21	18	V	11.1	12	3.81	198
401430175	2013	7	21	19	V	6.3	10	3.36	168
401430175	2013	7	21	20	V	6.4	11	1.79	169
401430175	2013	7	21	21	V	5.2	4	1.82	177
401430175	2013	7	21	22	V	1.8	25	1.64	186
401430175	2013	7	21	23	V	1.2	15	3	190
401430175	2013	7	21	24	V	2.7	13	2.32	191
401430175	2013	7	22	1	V	5.9	6	2.54	186
401430175	2013	7	22	2	V	3.1	6	2.84	191
401430175	2013	7	22	3	V	4.6	24	2.61	198
401430175	2013	7	22	4	V	3.5	23	1.42	200
401430175	2013	7	22	5	V	2.8	35	1.62	207
401430175	2013	7	22	6	V	9.4	31	3.1	205
401430175	2013	7	22	7	V	6.6	33	3.68	203
401430175	2013	7	22	8	V	7.4	31	4.63	213
401430175	2013	7	22	9	V	8.9	12	4.48	218
401430175	2013	7	22	10	V	7.1	8	3.32	226

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	22	11	V	7.4	7	3.56	226
401430175	2013	7	22	12	V	9.2	12	3.39	209
401430175	2013	7	22	13	V	4.8	9	2.71	240
401430175	2013	7	22	14	V	3.2	5	4.56	82
401430175	2013	7	22	15	V	2.3	0	4.08	139
401430175	2013	7	22	16	V	2.6	0	5.24	125
401430175	2013	7	22	17	V	2.3	0	4.51	138
401430175	2013	7	22	18	V	9.0	14	3.76	163
401430175	2013	7	22	19	V	8.4	10	1.59	221
401430175	2013	7	22	20	V	5.4	15	1.86	226
401430175	2013	7	22	21	V	2.6	29	4.92	197
401430175	2013	7	22	22	V	2.0	30	3.35	207
401430175	2013	7	22	23	V	2.0	35	1.89	209
401430175	2013	7	22	24	V	3.1	12	2.4	182
401430175	2013	7	23	1	V	6.8	2	2.59	180
401430175	2013	7	23	2	V	3.4	6	1.77	193
401430175	2013	7	23	3	V	5.9	6	1.52	195
401430175	2013	7	23	4	V	2.0	5	1.6	195
401430175	2013	7	23	5	V	3.2	3	1.35	196
401430175	2013	7	23	6	V	17.9	7	0.84	202
401430175	2013	7	23	7	V	5.9	14	1.47	195
401430175	2013	7	23	8	V	7.5	21	3.27	210
401430175	2013	7	23	9	V	7.0	2	3.22	229
401430175	2013	7	23	10	V	8.1	3	3.2	221
401430175	2013	7	23	11	V	4.9	1	2.9	236
401430175	2013	7	23	12	V	3.6	0	2.69	249
401430175	2013	7	23	13	V	7.9	2	2.83	213
401430175	2013	7	23	14	V	5.6	5	2.08	242
401430175	2013	7	23	15	V	6.4	11	2.45	226
401430175	2013	7	23	16	V	7.9	8	3.17	226
401430175	2013	7	23	17	V	8.1	4	3.61	226
401430175	2013	7	23	18	V	13.0	4	4.03	223
401430175	2013	7	23	19	V	10.5	11	3.37	217
401430175	2013	7	23	20	V	5.4	16	1.94	224
401430175	2013	7	23	21	V	5.5	24	1.81	221
401430175	2013	7	23	22	V	2.4	6	1.06	239
401430175	2013	7	23	23	V	0.8	1	4.31	288
401430175	2013	7	23	24	V	2.3	1	5.84	359
401430175	2013	7	24	1	V	5.6	-999	2.96	352
401430175	2013	7	24	2	V	2.6	-999	2.59	146
401430175	2013	7	24	3	V	4.9	-999	2.78	193
401430175	2013	7	24	4	V	2.7	-999	3.4	180
401430175	2013	7	24	5	V	1.7	-999	3.22	204
401430175	2013	7	24	6	V	10.8	-999	2.61	213
401430175	2013	7	24	7	V	3.8	-999	1.57	240
401430175	2013	7	24	8	V	3.6	-999	0.92	300

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	24	9	V	1.6	-999	2.2	347
401430175	2013	7	24	10	V	1.2	-999	2.73	345
401430175	2013	7	24	11	V	1.8	-999	2.89	360
401430175	2013	7	24	12	V	2.8	-999	2.73	28
401430175	2013	7	24	13	V	2.8	-999	2.42	9
401430175	2013	7	24	14	V	3.5	-999	2.61	26
401430175	2013	7	24	15	V	3.8	-999	2.1	41
401430175	2013	7	24	16	V	4.0	-999	2.67	37
401430175	2013	7	24	17	V	4.0	-999	3.44	48
401430175	2013	7	24	18	V	7.7	-999	3.49	48
401430175	2013	7	24	19	V	1.6	-999	3	74
401430175	2013	7	24	20	V	1.9	-999	2.25	92
401430175	2013	7	24	21	V	2.3	-999	0.86	245
401430175	2013	7	24	22	V	2.2	-999	0.58	269
401430175	2013	7	24	23	V	2.2	-999	0.58	346
401430175	2013	7	24	24	V	3.5	-999	0.6	263
401430175	2013	7	25	1	V	6.4	-999	0.65	305
401430175	2013	7	25	2	V	3.9	-999	0.58	301
401430175	2013	7	25	3	V	11.6	-999	0.89	233
401430175	2013	7	25	4	V	1.5	-999	0.69	279
401430175	2013	7	25	5	V	1.9	-999	0.58	303
401430175	2013	7	25	6	V	8.4	-999	1.48	3
401430175	2013	7	25	7	V	1.3	-999	1.47	22
401430175	2013	7	25	8	V	3.4	-999	1.28	147
401430175	2013	7	25	9	V	3.2	-999	1.38	252
401430175	2013	7	25	10	V	3.3	-999	0.87	97
401430175	2013	7	25	11	V	6.4	-999	1.79	199
401430175	2013	7	25	12	V	4.6	-999	1.21	194
401430175	2013	7	25	13	V	3.2	-999	1.98	132
401430175	2013	7	25	14	V	4.1	-999	2.9	147
401430175	2013	7	25	15	V	2.3	-999	3.22	135
401430175	2013	7	25	16	V	2.7	-999	2.33	118
401430175	2013	7	25	17	V	2.3	-999	3.25	121
401430175	2013	7	25	18	V	6.0	-999	3	120
401430175	2013	7	25	19	V	1.6	-999	2.96	107
401430175	2013	7	25	20	V	1.9	-999	2.42	113
401430175	2013	7	25	21	V	1.4	-999	1.5	146
401430175	2013	7	25	22	V	2.0	-999	1.62	160
401430175	2013	7	25	23	V	8.1	-999	1.57	172
401430175	2013	7	25	24	V	9.8	-999	1.2	209
401430175	2013	7	26	1	V	10.8	-999	1.37	165
401430175	2013	7	26	2	V	4.5	-999	2.5	163
401430175	2013	7	26	3	V	6.3	-999	3.32	182
401430175	2013	7	26	4	V	4.6	-999	2.25	167
401430175	2013	7	26	5	V	2.8	-999	3.93	165
401430175	2013	7	26	6	V	8.3	-999	3.61	121

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	26	7	V	5.0	-999	4.02	172
401430175	2013	7	26	8	V	9.5	-999	2.21	212
401430175	2013	7	26	9	V	2.1	-999	0.8	286
401430175	2013	7	26	10	V	2.9	-999	1.86	154
401430175	2013	7	26	11	V	6.0	-999	2.5	170
401430175	2013	7	26	12	V	5.7	0	3.17	174
401430175	2013	7	26	13	V	8.4	0	2.62	204
401430175	2013	7	26	14	V	3.3	0	2.37	341
401430175	2013	7	26	15	V	2.2	-999	2.83	357
401430175	2013	7	26	16	V	2.7	-999	3.47	24
401430175	2013	7	26	17	V	2.6	-999	3.57	34
401430175	2013	7	26	18	V	7.8	-999	4.26	42
401430175	2013	7	26	19	V	1.6	0	3.73	86
401430175	2013	7	26	20	V	1.9	0	3.25	76
401430175	2013	7	26	21	V	1.5	0	1.11	67
401430175	2013	7	26	22	V	10.3	-999	0.91	205
401430175	2013	7	26	23	V	1.2	-999	0.77	272
401430175	2013	7	26	24	V	2.4	-999	0.97	269
401430175	2013	7	27	1	V	6.1	0	0.72	267
401430175	2013	7	27	2	V	10.8	0	0.89	232
401430175	2013	7	27	3	C	-999	-999	0	0
401430175	2013	7	27	4	V	3.1	-999	0.53	257
401430175	2013	7	27	5	V	0.9	-999	0.91	297
401430175	2013	7	27	6	V	14.0	0	0.7	238
401430175	2013	7	27	7	V	1.3	0	1.26	327
401430175	2013	7	27	8	V	1.4	0	2.13	14
401430175	2013	7	27	9	V	3.0	0	2.86	34
401430175	2013	7	27	10	V	3.8	1	2.5	43
401430175	2013	7	27	11	V	2.6	2	2.66	32
401430175	2013	7	27	12	V	3.3	1	2.42	56
401430175	2013	7	27	13	V	4.2	0	3.07	47
401430175	2013	7	27	14	V	3.5	0	3.06	27
401430175	2013	7	27	15	V	3.6	0	2.67	42
401430175	2013	7	27	16	V	3.2	0	1.99	26
401430175	2013	7	27	17	V	3.5	1	2.45	38
401430175	2013	7	27	18	V	6.0	0	2.84	22
401430175	2013	7	27	19	V	1.7	1	3.01	32
401430175	2013	7	27	20	V	1.9	0	2.38	26
401430175	2013	7	27	21	V	1.6	3	0.91	358
401430175	2013	7	27	22	V	2.0	0	0.63	355
401430175	2013	7	27	23	V	0.9	0	1.09	10
401430175	2013	7	27	24	V	8.6	0	1.45	45
401430175	2013	7	28	1	V	6.0	0	0.87	70
401430175	2013	7	28	2	V	2.7	0	1.62	112
401430175	2013	7	28	3	V	4.4	0	1.42	19
401430175	2013	7	28	4	V	0.7	0	2.64	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	28	5	V	0.6	0	2.52	26
401430175	2013	7	28	6	V	8.3	0	2.3	31
401430175	2013	7	28	7	V	4.0	0	2.49	45
401430175	2013	7	28	8	V	5.6	0	3.23	42
401430175	2013	7	28	9	V	1.5	0	3.3	71
401430175	2013	7	28	10	V	1.2	0	2.96	132
401430175	2013	7	28	11	V	2.3	2	2.67	144
401430175	2013	7	28	12	V	2.6	0	2.98	138
401430175	2013	7	28	13	V	4.0	0	3.22	155
401430175	2013	7	28	14	V	3.5	0	2.95	137
401430175	2013	7	28	15	V	2.2	0	3.03	117
401430175	2013	7	28	16	V	2.7	0	3.76	95
401430175	2013	7	28	17	V	2.3	0	4.39	99
401430175	2013	7	28	18	V	5.9	0	4.9	90
401430175	2013	7	28	19	V	1.6	0	6.01	63
401430175	2013	7	28	20	V	1.9	0	5.43	68
401430175	2013	7	28	21	V	1.4	0	4.2	80
401430175	2013	7	28	22	V	1.0	1	2.79	89
401430175	2013	7	28	23	V	0.7	0	2.76	91
401430175	2013	7	28	24	V	2.2	0	2.27	84
401430175	2013	7	29	1	V	5.5	0	2.11	98
401430175	2013	7	29	2	V	2.6	0	2.45	124
401430175	2013	7	29	3	V	4.3	0	2.37	127
401430175	2013	7	29	4	V	0.7	0	2.06	122
401430175	2013	7	29	5	V	0.6	0	2.2	135
401430175	2013	7	29	6	V	8.3	0	2.71	142
401430175	2013	7	29	7	V	1.4	0	3.12	151
401430175	2013	7	29	8	V	5.4	0	3.66	166
401430175	2013	7	29	9	V	5.5	0	4.51	168
401430175	2013	7	29	10	V	4.7	0	5.41	168
401430175	2013	7	29	11	V	4.9	0	5.5	167
401430175	2013	7	29	12	V	5.6	0	6.31	168
401430175	2013	7	29	13	V	5.2	0	6.18	165
401430175	2013	7	29	14	V	6.8	0	6.43	167
401430175	2013	7	29	15	V	5.6	6	6.92	176
401430175	2013	7	29	16	V	6.3	11	6.41	172
401430175	2013	7	29	17	V	6.2	8	6.36	171
401430175	2013	7	29	18	V	10.0	2	6.14	169
401430175	2013	7	29	19	V	6.2	5	5.36	168
401430175	2013	7	29	20	V	5.7	14	5.26	171
401430175	2013	7	29	21	V	4.2	0	4.66	166
401430175	2013	7	29	22	V	4.7	1	4.88	170
401430175	2013	7	29	23	V	3.7	3	3.85	176
401430175	2013	7	29	24	V	2.2	0	3.39	274
401430175	2013	7	30	1	V	7.5	0	2.98	237
401430175	2013	7	30	2	V	2.8	0	2.78	153

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	7	30	3	V	8.2	0	2.15	175
401430175	2013	7	30	4	V	4.9	0	2.32	223
401430175	2013	7	30	5	V	4.5	1	1.82	167
401430175	2013	7	30	6	V	13.7	0	1.03	162
401430175	2013	7	30	7	V	8.6	0	1.06	214
401430175	2013	7	30	8	V	5.8	0	0.82	249
401430175	2013	7	30	9	V	5.4	0	1.01	154
401430175	2013	7	30	10	V	5.8	0	1.96	183
401430175	2013	7	30	11	V	4.0	0	2.1	243
401430175	2013	7	30	12	V	4.1	0	2.44	245
401430175	2013	7	30	13	V	2.8	-999	1.87	261
401430175	2013	7	30	14	V	4.0	-999	1.26	315
401430175	2013	7	30	15	V	3.7	0	1.42	255
401430175	2013	7	30	16	V	3.3	0	1.31	300
401430175	2013	7	30	17	V	2.5	0	1.55	354
401430175	2013	7	30	18	V	6.3	0	1.48	359
401430175	2013	7	30	19	V	2.1	0	2.79	151
401430175	2013	7	30	20	V	4.7	0	2.45	164
401430175	2013	7	30	21	V	5.2	1	0.7	240
401430175	2013	7	30	22	V	5.0	1	0.86	237
401430175	2013	7	30	23	V	1.1	0	1.03	246
401430175	2013	7	30	24	V	2.8	1	0.75	274
401430175	2013	7	31	1	V	5.8	0	0.87	305
401430175	2013	7	31	2	V	3.1	0	0.8	339
401430175	2013	7	31	3	V	4.4	0	1.6	357
401430175	2013	7	31	4	V	0.8	0	1.45	17
401430175	2013	7	31	5	V	0.6	0	2.18	9
401430175	2013	7	31	6	V	8.4	0	1.72	8
401430175	2013	7	31	7	V	1.0	0	2.56	11
401430175	2013	7	31	8	V	1.4	0	2.95	14
401430175	2013	7	31	9	V	1.6	0	2.37	21
401430175	2013	7	31	10	V	1.4	0	2.08	20
401430175	2013	7	31	11	V	1.9	1	2.45	16
401430175	2013	7	31	12	V	2.5	0	2.96	16
401430175	2013	7	31	13	V	2.6	0	3.73	10
401430175	2013	7	31	14	V	3.2	0	3.73	7
401430175	2013	7	31	15	V	2.2	0	3.59	360
401430175	2013	7	31	16	V	2.7	0	3.15	8
401430175	2013	7	31	17	V	2.3	0	3.86	27
401430175	2013	7	31	18	V	6.0	0	2.88	14
401430175	2013	7	31	19	V	1.6	0	2.08	6
401430175	2013	7	31	20	V	1.9	0	2.06	7
401430175	2013	7	31	21	V	1.4	0	1.69	4
401430175	2013	7	31	22	V	1.0	0	1.59	355
401430175	2013	7	31	23	V	0.7	0	1.6	5
401430175	2013	7	31	24	V	2.4	0	1.11	360

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	1	1	V	5.8	0	0.99	8
401430175	2013	8	1	2	V	2.7	0	1.42	344
401430175	2013	8	1	3	V	4.3	0	1.91	358
401430175	2013	8	1	4	V	0.7	0	2.1	13
401430175	2013	8	1	5	V	0.6	0	1.87	16
401430175	2013	8	1	6	V	8.3	0	1.86	22
401430175	2013	8	1	7	V	2.9	0	1.59	36
401430175	2013	8	1	8	V	1.6	1	2.38	67
401430175	2013	8	1	9	V	1.5	1	2.69	84
401430175	2013	8	1	10	V	1.2	3	2.88	86
401430175	2013	8	1	11	V	1.8	2	2.89	82
401430175	2013	8	1	12	V	2.5	2	2.83	79
401430175	2013	8	1	13	V	2.7	1	2.96	84
401430175	2013	8	1	14	V	3.4	1	2.72	102
401430175	2013	8	1	15	V	2.3	0	2.64	96
401430175	2013	8	1	16	V	2.7	1	3.08	105
401430175	2013	8	1	17	V	2.4	1	2.98	136
401430175	2013	8	1	18	V	6.0	0	3.18	135
401430175	2013	8	1	19	V	1.6	2	2.96	117
401430175	2013	8	1	20	V	1.9	4	1.4	108
401430175	2013	8	1	21	V	2.0	3	0.62	72
401430175	2013	8	1	22	V	1.0	2	1.42	135
401430175	2013	8	1	23	M	-999	1	999	999
401430175	2013	8	1	24	V	4.1	1	1.59	211
401430175	2013	8	2	1	V	14.2	1	1.28	218
401430175	2013	8	2	2	V	4.7	7	2.93	180
401430175	2013	8	2	3	V	6.5	8	3.39	179
401430175	2013	8	2	4	V	1.1	5	2.74	192
401430175	2013	8	2	5	V	1.4	9	2.54	182
401430175	2013	8	2	6	V	12.0	10	2.42	169
401430175	2013	8	2	7	V	3.8	5	3.15	163
401430175	2013	8	2	8	V	4.8	3	4.22	172
401430175	2013	8	2	9	V	5.4	15	4.17	178
401430175	2013	8	2	10	V	4.8	5	3.75	168
401430175	2013	8	2	11	V	1.8	1	3.42	63
401430175	2013	8	2	12	V	2.4	1	3.35	94
401430175	2013	8	2	13	V	3.0	1	3	143
401430175	2013	8	2	14	V	5.9	4	3.8	166
401430175	2013	8	2	15	V	5.6	10	4.53	178
401430175	2013	8	2	16	V	5.8	8	5.39	187
401430175	2013	8	2	17	V	5.6	4	4.97	185
401430175	2013	8	2	18	V	9.4	3	4.92	192
401430175	2013	8	2	19	V	5.3	3	3.85	180
401430175	2013	8	2	20	V	2.8	11	2.61	183
401430175	2013	8	2	21	V	2.4	10	2.57	181
401430175	2013	8	2	22	V	2.4	12	2.81	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	2	23	V	4.0	12	2.81	175
401430175	2013	8	2	24	V	3.7	7	4.31	184
401430175	2013	8	3	1	V	6.4	4	3.54	186
401430175	2013	8	3	2	V	3.2	4	1.88	192
401430175	2013	8	3	3	V	4.4	2	1.7	323
401430175	2013	8	3	4	V	0.8	1	1.33	352
401430175	2013	8	3	5	V	0.6	1	2.23	29
401430175	2013	8	3	6	V	8.4	0	2.86	70
401430175	2013	8	3	7	V	1.2	0	3.93	55
401430175	2013	8	3	8	V	1.3	1	3.76	109
401430175	2013	8	3	9	V	1.6	1	4.7	150
401430175	2013	8	3	10	V	1.4	0	5.05	151
401430175	2013	8	3	11	V	4.1	1	4.48	162
401430175	2013	8	3	12	V	2.8	0	3.81	148
401430175	2013	8	3	13	V	2.6	0	4.02	122
401430175	2013	8	3	14	V	3.2	0	3.95	121
401430175	2013	8	3	15	V	2.2	0	4.07	122
401430175	2013	8	3	16	V	2.7	0	3.69	107
401430175	2013	8	3	17	V	2.3	0	4.29	106
401430175	2013	8	3	18	V	5.9	0	3.81	107
401430175	2013	8	3	19	V	1.6	2	2.91	104
401430175	2013	8	3	20	V	1.9	2	2.44	125
401430175	2013	8	3	21	V	1.4	2	2.15	121
401430175	2013	8	3	22	V	1.0	1	2.15	116
401430175	2013	8	3	23	V	1.1	1	0.96	147
401430175	2013	8	3	24	V	2.9	1	0.7	280
401430175	2013	8	4	1	V	7.1	1	1.23	158
401430175	2013	8	4	2	V	2.8	1	1.23	124
401430175	2013	8	4	3	V	4.4	0	1.33	95
401430175	2013	8	4	4	V	0.8	0	1.45	93
401430175	2013	8	4	5	V	0.7	0	1.37	148
401430175	2013	8	4	6	V	17.9	0	0.8	165
401430175	2013	8	4	7	V	1.8	0	1.84	149
401430175	2013	8	4	8	V	4.8	0	2.66	168
401430175	2013	8	4	9	V	4.8	0	2.93	173
401430175	2013	8	4	10	V	1.5	1	1.7	131
401430175	2013	8	4	11	V	2.0	1	2.01	91
401430175	2013	8	4	12	V	2.4	1	3.81	76
401430175	2013	8	4	13	V	2.6	1	3.83	87
401430175	2013	8	4	14	V	3.2	1	4.17	89
401430175	2013	8	4	15	V	2.2	1	4.26	87
401430175	2013	8	4	16	V	2.7	1	3.85	98
401430175	2013	8	4	17	V	2.3	1	4.32	105
401430175	2013	8	4	18	V	5.9	1	4.6	123
401430175	2013	8	4	19	V	1.6	1	3.92	138
401430175	2013	8	4	20	V	1.9	2	4.49	144

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	4	21	V	1.4	1	3.83	146
401430175	2013	8	4	22	V	1.0	0	3.59	142
401430175	2013	8	4	23	V	0.7	0	3.18	145
401430175	2013	8	4	24	V	2.2	0	3.07	145
401430175	2013	8	5	1	V	8.6	0	3.4	168
401430175	2013	8	5	2	V	5.3	0	2.96	165
401430175	2013	8	5	3	V	4.6	0	2.49	158
401430175	2013	8	5	4	V	4.4	1	2.91	171
401430175	2013	8	5	5	V	4.3	1	2.78	172
401430175	2013	8	5	6	V	13.0	6	1.81	175
401430175	2013	8	5	7	V	3.6	3	1.45	159
401430175	2013	8	5	8	V	4.6	1	2.37	164
401430175	2013	8	5	9	V	4.4	5	3.69	188
401430175	2013	8	5	10	V	5.8	2	4.63	199
401430175	2013	8	5	11	V	8.1	2	4.87	206
401430175	2013	8	5	12	V	8.4	2	5.43	212
401430175	2013	8	5	13	V	8.8	2	4.61	215
401430175	2013	8	5	14	V	9.3	2	4	219
401430175	2013	8	5	15	V	7.3	2	3.15	225
401430175	2013	8	5	16	V	9.6	2	3.75	208
401430175	2013	8	5	17	V	5.5	3	5.31	188
401430175	2013	8	5	18	V	9.8	3	4.95	194
401430175	2013	8	5	19	V	4.6	3	4.03	192
401430175	2013	8	5	20	V	2.2	1	2.4	194
401430175	2013	8	5	21	V	2.5	7	3.03	184
401430175	2013	8	5	22	V	1.5	4	2.3	201
401430175	2013	8	5	23	V	1.3	2	2.2	202
401430175	2013	8	5	24	V	2.6	4	2.3	195
401430175	2013	8	6	1	V	6.3	2	2.18	204
401430175	2013	8	6	2	V	2.6	2	2.08	261
401430175	2013	8	6	3	V	4.4	1	1.45	350
401430175	2013	8	6	4	V	0.7	1	2.13	13
401430175	2013	8	6	5	V	0.8	1	1.16	22
401430175	2013	8	6	6	V	17.9	1	0.91	179
401430175	2013	8	6	7	V	1.2	1	1.33	278
401430175	2013	8	6	8	V	4.3	15	3.47	186
401430175	2013	8	6	9	V	4.6	16	4.05	192
401430175	2013	8	6	10	V	6.0	21	3.49	198
401430175	2013	8	6	11	V	6.3	12	3.46	197
401430175	2013	8	6	12	V	6.6	11	3	193
401430175	2013	8	6	13	V	7.1	19	3.83	197
401430175	2013	8	6	14	V	6.9	14	4.44	191
401430175	2013	8	6	15	V	5.5	16	4.95	186
401430175	2013	8	6	16	V	6.4	11	5.22	192
401430175	2013	8	6	17	V	5.6	12	5.19	187
401430175	2013	8	6	18	V	9.0	6	5.1	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	6	19	V	5.4	1	3.13	196
401430175	2013	8	6	20	V	2.8	2	1.67	195
401430175	2013	8	6	21	V	1.8	21	2.5	185
401430175	2013	8	6	22	V	4.5	17	2.81	174
401430175	2013	8	6	23	V	4.3	26	2.74	170
401430175	2013	8	6	24	V	5.3	36	2.56	168
401430175	2013	8	7	1	V	8.4	34	1.87	165
401430175	2013	8	7	2	V	2.6	5	1.84	257
401430175	2013	8	7	3	V	13.2	1	0.77	182
401430175	2013	8	7	4	V	7.9	2	0.58	240
401430175	2013	8	7	5	V	19.0	2	0.51	209
401430175	2013	8	7	6	V	8.5	1	1.04	256
401430175	2013	8	7	7	V	1.8	1	1.16	29
401430175	2013	8	7	8	V	1.4	2	2.52	134
401430175	2013	8	7	9	V	3.0	1	3.4	157
401430175	2013	8	7	10	V	1.4	1	2.04	110
401430175	2013	8	7	11	V	1.8	1	3.18	86
401430175	2013	8	7	12	V	2.4	2	3.68	110
401430175	2013	8	7	13	V	2.5	2	4.48	106
401430175	2013	8	7	14	V	3.2	3	4.83	113
401430175	2013	8	7	15	V	2.2	3	4.22	131
401430175	2013	8	7	16	V	3.8	4	3.47	152
401430175	2013	8	7	17	V	2.4	3	3.25	128
401430175	2013	8	7	18	V	6.0	1	2.95	94
401430175	2013	8	7	19	V	2.5	1	4.05	49
401430175	2013	8	7	20	V	1.9	2	4.82	26
401430175	2013	8	7	21	V	4.4	1	5.38	43
401430175	2013	8	7	22	V	3.7	1	5.17	47
401430175	2013	8	7	23	V	4.8	1	4.37	45
401430175	2013	8	7	24	V	6.7	1	3	46
401430175	2013	8	8	1	V	7.2	1	1.18	37
401430175	2013	8	8	2	V	3.4	7	3.29	199
401430175	2013	8	8	3	V	8.4	5	3.34	226
401430175	2013	8	8	4	V	0.7	1	2.11	332
401430175	2013	8	8	5	V	0.7	0	3.9	360
401430175	2013	8	8	6	V	8.4	0	3.39	19
401430175	2013	8	8	7	V	1.2	0	3.22	31
401430175	2013	8	8	8	V	5.7	0	3.37	48
401430175	2013	8	8	9	V	1.5	0	3.88	95
401430175	2013	8	8	10	V	1.1	0	3.95	116
401430175	2013	8	8	11	V	1.9	1	3.1	142
401430175	2013	8	8	12	V	3.2	1	3.4	151
401430175	2013	8	8	13	C	-999	2	0	0
401430175	2013	8	8	14	V	4.9	4	2.13	156
401430175	2013	8	8	15	V	3.6	12	2.01	151
401430175	2013	8	8	16	V	4.7	4	1.04	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	8	17	V	2.8	2	2.21	60
401430175	2013	8	8	18	V	6.0	1	3.54	29
401430175	2013	8	8	19	V	1.9	1	3.49	53
401430175	2013	8	8	20	V	1.9	1	2.64	80
401430175	2013	8	8	21	V	1.4	1	2.96	68
401430175	2013	8	8	22	V	1.0	1	3.59	77
401430175	2013	8	8	23	V	0.8	1	3.78	54
401430175	2013	8	8	24	V	2.2	1	3.59	65
401430175	2013	8	9	1	V	5.5	1	2.98	76
401430175	2013	8	9	2	V	4.4	1	3.93	208
401430175	2013	8	9	3	V	7.4	7	2.89	176
401430175	2013	8	9	4	V	3.1	4	2.61	180
401430175	2013	8	9	5	V	1.9	3	1.74	201
401430175	2013	8	9	6	V	9.7	16	3.64	183
401430175	2013	8	9	7	V	5.4	19	1.82	174
401430175	2013	8	9	8	V	4.6	6	2.84	185
401430175	2013	8	9	9	V	5.9	16	3	198
401430175	2013	8	9	10	V	5.5	7	1.65	237
401430175	2013	8	9	11	V	2.0	1	1.99	18
401430175	2013	8	9	12	V	2.4	1	2.71	26
401430175	2013	8	9	13	V	2.7	0	2.03	11
401430175	2013	8	9	14	V	3.3	0	1.99	16
401430175	2013	8	9	15	V	2.2	0	2.38	13
401430175	2013	8	9	16	V	2.8	0	2.28	351
401430175	2013	8	9	17	V	2.3	0	3.9	10
401430175	2013	8	9	18	V	5.9	0	3.97	20
401430175	2013	8	9	19	V	1.6	0	2.89	20
401430175	2013	8	9	20	V	1.9	0	2.13	4
401430175	2013	8	9	21	V	1.4	0	3.27	12
401430175	2013	8	9	22	V	1.0	0	4	17
401430175	2013	8	9	23	V	0.7	0	3.64	11
401430175	2013	8	9	24	V	2.2	0	2.78	4
401430175	2013	8	10	1	V	5.6	0	2.52	1
401430175	2013	8	10	2	V	2.6	0	2.54	4
401430175	2013	8	10	3	V	4.4	0	2.55	4
401430175	2013	8	10	4	V	0.8	0	2.79	3
401430175	2013	8	10	5	V	0.6	0	2.13	353
401430175	2013	8	10	6	V	8.4	0	2.52	5
401430175	2013	8	10	7	V	0.9	0	3.07	18
401430175	2013	8	10	8	V	1.3	0	3.3	18
401430175	2013	8	10	9	V	1.4	1	3.61	27
401430175	2013	8	10	10	V	1.0	1	3.78	26
401430175	2013	8	10	11	V	1.6	1	4.22	27
401430175	2013	8	10	12	V	2.3	1	3.49	20
401430175	2013	8	10	13	V	2.6	1	3	8
401430175	2013	8	10	14	V	3.2	1	3.05	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	10	15	V	2.3	1	2.59	21
401430175	2013	8	10	16	V	2.7	2	2.91	12
401430175	2013	8	10	17	V	2.3	1	3.37	13
401430175	2013	8	10	18	V	5.9	1	3.3	14
401430175	2013	8	10	19	V	1.6	1	3.22	25
401430175	2013	8	10	20	V	1.9	1	3.08	25
401430175	2013	8	10	21	V	1.4	1	1.59	14
401430175	2013	8	10	22	V	1.0	0	2.05	21
401430175	2013	8	10	23	V	4.6	0	2.89	42
401430175	2013	8	10	24	V	2.3	0	2.47	35
401430175	2013	8	11	1	V	6.1	0	1.76	37
401430175	2013	8	11	2	V	2.6	0	1.93	57
401430175	2013	8	11	3	V	4.4	0	1.18	6
401430175	2013	8	11	4	V	1.4	0	0.72	351
401430175	2013	8	11	5	V	0.7	0	1.96	13
401430175	2013	8	11	6	V	8.4	0	1.37	58
401430175	2013	8	11	7	V	1.0	0	1.94	105
401430175	2013	8	11	8	V	1.6	1	1.55	101
401430175	2013	8	11	9	V	9.1	4	0.96	200
401430175	2013	8	11	10	V	1.6	3	1.42	301
401430175	2013	8	11	11	V	2.0	1	1.81	306
401430175	2013	8	11	12	V	2.8	0	1.79	331
401430175	2013	8	11	13	V	3.3	0	1.39	338
401430175	2013	8	11	14	V	3.7	0	1.76	114
401430175	2013	8	11	15	C	-999	0	0	0
401430175	2013	8	11	16	V	4.1	0	0.9	337
401430175	2013	8	11	17	V	3.5	0	0.99	297
401430175	2013	8	11	18	V	7.9	1	1.33	249
401430175	2013	8	11	19	V	3.0	1	0.7	242
401430175	2013	8	11	20	V	1.9	0	1.47	127
401430175	2013	8	11	21	C	-999	0	0	0
401430175	2013	8	11	22	C	-999	0	0	0
401430175	2013	8	11	23	V	2.6	0	0.82	243
401430175	2013	8	11	24	V	3.3	1	0.74	250
401430175	2013	8	12	1	V	19.2	2	0.92	215
401430175	2013	8	12	2	V	4.0	2	0.79	246
401430175	2013	8	12	3	V	5.6	3	0.8	246
401430175	2013	8	12	4	V	1.4	3	0.69	310
401430175	2013	8	12	5	V	1.8	2	0.72	250
401430175	2013	8	12	6	V	10.5	1	0.53	352
401430175	2013	8	12	7	V	2.0	1	0.67	94
401430175	2013	8	12	8	V	2.0	1	1.28	336
401430175	2013	8	12	9	V	3.0	1	1.77	31
401430175	2013	8	12	10	V	3.2	1	2.96	37
401430175	2013	8	12	11	V	1.9	0	3.63	30
401430175	2013	8	12	12	V	2.3	0	4.88	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	12	13	V	4.4	1	3.44	50
401430175	2013	8	12	14	V	3.3	2	2.95	92
401430175	2013	8	12	15	V	2.4	1	2.44	99
401430175	2013	8	12	16	V	5.6	6	1.76	179
401430175	2013	8	12	17	V	6.8	4	2.15	189
401430175	2013	8	12	18	V	8.6	9	1.33	169
401430175	2013	8	12	19	V	1.5	2	2.52	139
401430175	2013	8	12	20	V	1.9	1	1.55	107
401430175	2013	8	12	21	V	1.7	1	0.89	105
401430175	2013	8	12	22	V	1.2	1	1.09	93
401430175	2013	8	12	23	V	0.7	1	2.52	116
401430175	2013	8	12	24	V	2.2	1	2.04	133
401430175	2013	8	13	1	V	5.7	4	2.72	250
401430175	2013	8	13	2	C	-999	2	0	0
401430175	2013	8	13	3	C	-999	1	0	0
401430175	2013	8	13	4	M	-999	1	2.36	999
401430175	2013	8	13	5	V	0.7	1	1.76	129
401430175	2013	8	13	6	C	-999	1	0	0
401430175	2013	8	13	7	C	-999	1	0	0
401430175	2013	8	13	8	V	5.7	1	1.11	172
401430175	2013	8	13	9	V	5.2	1	1.65	185
401430175	2013	8	13	10	V	3.4	-999	0.86	249
401430175	2013	8	13	11	V	3.1	3	1.04	60
401430175	2013	8	13	12	V	6.0	3	1.5	173
401430175	2013	8	13	13	V	5.8	1	1.79	180
401430175	2013	8	13	14	V	3.2	0	2.98	286
401430175	2013	8	13	15	V	2.1	0	5.89	31
401430175	2013	8	13	16	V	2.6	0	5.41	66
401430175	2013	8	13	17	V	2.2	0	4.65	75
401430175	2013	8	13	18	V	5.9	0	3.76	59
401430175	2013	8	13	19	V	2.0	0	2.81	53
401430175	2013	8	13	20	V	2.1	0	1.53	34
401430175	2013	8	13	21	V	2.2	0	0.57	296
401430175	2013	8	13	22	V	1.9	0	0.67	256
401430175	2013	8	13	23	V	0.7	0	1.6	326
401430175	2013	8	13	24	V	2.2	0	3.37	18
401430175	2013	8	14	1	V	5.5	0	2.69	25
401430175	2013	8	14	2	V	2.6	0	1.98	11
401430175	2013	8	14	3	V	4.3	0	2.03	7
401430175	2013	8	14	4	V	0.7	0	2.21	17
401430175	2013	8	14	5	V	0.6	0	2.04	22
401430175	2013	8	14	6	V	8.3	0	2.73	24
401430175	2013	8	14	7	V	1.7	0	2.79	35
401430175	2013	8	14	8	V	1.6	0	2.91	62
401430175	2013	8	14	9	V	1.6	1	2.32	85
401430175	2013	8	14	10	V	1.2	1	2.55	104

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	14	11	V	1.8	-999	2.83	128
401430175	2013	8	14	12	V	2.6	1	2.23	116
401430175	2013	8	14	13	V	2.8	0	2.5	100
401430175	2013	8	14	14	V	3.4	0	2.4	94
401430175	2013	8	14	15	V	2.3	0	2.73	84
401430175	2013	8	14	16	V	2.8	0	3.18	61
401430175	2013	8	14	17	V	2.3	0	4.17	67
401430175	2013	8	14	18	V	5.9	0	4.22	60
401430175	2013	8	14	19	V	1.6	0	3.59	65
401430175	2013	8	14	20	V	1.9	0	2.54	77
401430175	2013	8	14	21	V	1.4	0	2.52	71
401430175	2013	8	14	22	V	1.0	0	2.08	87
401430175	2013	8	14	23	V	0.7	0	2.05	79
401430175	2013	8	14	24	V	2.2	0	2.49	98
401430175	2013	8	15	1	V	5.5	0	2.42	101
401430175	2013	8	15	2	V	2.7	0	1.69	97
401430175	2013	8	15	3	V	4.7	0	0.89	88
401430175	2013	8	15	4	V	2.7	0	0.6	46
401430175	2013	8	15	5	V	0.7	0	1.4	103
401430175	2013	8	15	6	V	8.3	0	1.84	114
401430175	2013	8	15	7	V	0.9	0	2.18	126
401430175	2013	8	15	8	V	1.9	0	2.96	150
401430175	2013	8	15	9	V	2.7	0	3.59	156
401430175	2013	8	15	10	V	4.8	1	3.47	169
401430175	2013	8	15	11	V	3.8	0	3.13	160
401430175	2013	8	15	12	V	3.8	0	2.54	153
401430175	2013	8	15	13	V	5.9	0	2.1	184
401430175	2013	8	15	14	V	5.4	1	2.11	168
401430175	2013	8	15	15	V	2.8	0	2.88	141
401430175	2013	8	15	16	V	4.3	0	2.11	155
401430175	2013	8	15	17	V	2.7	0	3.71	145
401430175	2013	8	15	18	V	6.9	0	3.68	153
401430175	2013	8	15	19	V	2.2	0	3.3	154
401430175	2013	8	15	20	V	1.9	0	2.62	136
401430175	2013	8	15	21	V	7.5	0	1.72	170
401430175	2013	8	15	22	V	5.6	3	2.04	174
401430175	2013	8	15	23	V	0.8	1	3.86	335
401430175	2013	8	15	24	V	6.3	8	2.88	170
401430175	2013	8	16	1	V	6.5	19	5.02	196
401430175	2013	8	16	2	V	2.6	4	2.25	75
401430175	2013	8	16	3	V	4.5	0	1.01	344
401430175	2013	8	16	4	V	1.1	0	0.89	339
401430175	2013	8	16	5	V	1.4	0	0.69	282
401430175	2013	8	16	6	C	-999	0	0	0
401430175	2013	8	16	7	V	0.9	0	1.13	327
401430175	2013	8	16	8	V	1.4	0	3.12	112

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	16	9	V	1.8	0	3.17	145
401430175	2013	8	16	10	V	4.9	0	2.01	166
401430175	2013	8	16	11	V	4.0	0	1.96	157
401430175	2013	8	16	12	V	7.9	0	1.25	214
401430175	2013	8	16	13	V	2.7	0	1.99	132
401430175	2013	8	16	14	V	3.3	0	1.82	105
401430175	2013	8	16	15	V	2.8	0	2.49	143
401430175	2013	8	16	16	V	2.8	0	2.13	87
401430175	2013	8	16	17	V	2.4	0	2.86	89
401430175	2013	8	16	18	V	5.9	0	3.29	63
401430175	2013	8	16	19	V	1.6	0	3.29	58
401430175	2013	8	16	20	V	7.1	0	1.93	47
401430175	2013	8	16	21	V	5.6	0	1.57	48
401430175	2013	8	16	22	V	1.0	0	1.6	58
401430175	2013	8	16	23	V	0.7	0	2.62	77
401430175	2013	8	16	24	V	2.2	0	2.4	79
401430175	2013	8	17	1	V	5.5	0	2.28	89
401430175	2013	8	17	2	V	2.6	0	1.84	102
401430175	2013	8	17	3	V	4.4	0	1.3	77
401430175	2013	8	17	4	V	1.2	0	0.79	15
401430175	2013	8	17	5	V	1.8	0	0.62	335
401430175	2013	8	17	6	V	8.8	0	0.8	356
401430175	2013	8	17	7	V	0.9	0	1.79	26
401430175	2013	8	17	8	V	3.5	0	2.18	41
401430175	2013	8	17	9	V	3.4	0	1.81	35
401430175	2013	8	17	10	V	2.2	0	2.21	32
401430175	2013	8	17	11	V	1.9	1	2.86	26
401430175	2013	8	17	12	V	2.4	3	3.18	20
401430175	2013	8	17	13	V	2.9	0	3.74	30
401430175	2013	8	17	14	V	5.2	1	3.44	44
401430175	2013	8	17	15	V	2.2	2	3.97	66
401430175	2013	8	17	16	V	2.6	0	3.83	76
401430175	2013	8	17	17	V	2.3	0	3.88	69
401430175	2013	8	17	18	V	6.5	0	2.93	55
401430175	2013	8	17	19	V	1.6	0	2.42	83
401430175	2013	8	17	20	V	8.0	0	1.25	45
401430175	2013	8	17	21	V	1.6	0	0.96	21
401430175	2013	8	17	22	V	1.2	0	0.99	17
401430175	2013	8	17	23	V	1.0	0	0.92	352
401430175	2013	8	17	24	V	2.3	0	1.13	357
401430175	2013	8	18	1	V	5.9	0	0.84	345
401430175	2013	8	18	2	V	3.8	0	0.6	329
401430175	2013	8	18	3	V	4.5	0	1.14	7
401430175	2013	8	18	4	V	0.9	0	1.14	7
401430175	2013	8	18	5	V	2.3	0	0.55	283
401430175	2013	8	18	6	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	18	7	V	1.5	0	0.69	348
401430175	2013	8	18	8	V	3.3	0	0.82	77
401430175	2013	8	18	9	V	1.8	0	1.84	137
401430175	2013	8	18	10	V	3.4	0	1.48	160
401430175	2013	8	18	11	V	2.1	0	2.44	138
401430175	2013	8	18	12	V	3.8	0	2.28	152
401430175	2013	8	18	13	V	4.0	0	2.47	153
401430175	2013	8	18	14	V	5.1	0	2.79	159
401430175	2013	8	18	15	V	3.4	0	2.93	151
401430175	2013	8	18	16	V	4.5	0	3.05	157
401430175	2013	8	18	17	V	4.1	0	2.95	156
401430175	2013	8	18	18	V	10.0	0	2.98	183
401430175	2013	8	18	19	V	6.3	0	2.32	175
401430175	2013	8	18	20	V	2.5	0	0.57	268
401430175	2013	8	18	21	C	-999	0	0	0
401430175	2013	8	18	22	V	1.9	0	0.65	283
401430175	2013	8	18	23	V	2.4	0	0.55	285
401430175	2013	8	18	24	V	3.3	0	0.62	279
401430175	2013	8	19	1	C	-999	0	0	0
401430175	2013	8	19	2	V	3.0	0	0.84	257
401430175	2013	8	19	3	V	10.2	0	0.52	245
401430175	2013	8	19	4	V	2.0	0	0.58	265
401430175	2013	8	19	5	V	5.1	0	0.58	245
401430175	2013	8	19	6	V	8.7	0	0.86	255
401430175	2013	8	19	7	V	4.6	0	0.75	240
401430175	2013	8	19	8	V	4.8	0	2.52	166
401430175	2013	8	19	9	V	4.6	0	3.17	169
401430175	2013	8	19	10	V	4.2	0	3.56	164
401430175	2013	8	19	11	V	4.9	0	4.49	166
401430175	2013	8	19	12	V	5.2	2	4.31	165
401430175	2013	8	19	13	V	5.7	0	3.8	172
401430175	2013	8	19	14	V	6.1	2	3.4	171
401430175	2013	8	19	15	V	5.1	2	3.13	172
401430175	2013	8	19	16	V	4.8	2	3.05	160
401430175	2013	8	19	17	V	5.3	0	2.86	167
401430175	2013	8	19	18	V	10.0	1	2.66	176
401430175	2013	8	19	19	V	4.1	0	2.16	183
401430175	2013	8	19	20	V	3.6	0	1.28	190
401430175	2013	8	19	21	V	3.1	0	0.58	256
401430175	2013	8	19	22	V	1.4	0	0.89	109
401430175	2013	8	19	23	C	-999	0	0	0
401430175	2013	8	19	24	V	2.8	0	0.72	306
401430175	2013	8	20	1	V	6.8	0	0.84	245
401430175	2013	8	20	2	V	3.3	1	0.69	281
401430175	2013	8	20	3	V	6.7	1	0.52	280
401430175	2013	8	20	4	V	2.4	0	0.57	259

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	20	5	V	10.7	0	0.67	233
401430175	2013	8	20	6	V	8.7	2	0.94	248
401430175	2013	8	20	7	V	8.5	7	1.25	216
401430175	2013	8	20	8	V	5.4	1	2.37	177
401430175	2013	8	20	9	V	4.7	13	3.22	177
401430175	2013	8	20	10	V	4.9	8	3.47	167
401430175	2013	8	20	11	V	5.4	7	3.46	174
401430175	2013	8	20	12	V	5.7	-999	3.17	176
401430175	2013	8	20	13	V	4.1	3	3.25	156
401430175	2013	8	20	14	V	6.0	1	2.91	171
401430175	2013	8	20	15	V	4.2	1	3.05	160
401430175	2013	8	20	16	V	5.4	1	3.42	165
401430175	2013	8	20	17	V	3.6	2	3.54	152
401430175	2013	8	20	18	V	7.2	1	3.59	154
401430175	2013	8	20	19	V	2.7	0	2.54	157
401430175	2013	8	20	20	V	1.9	0	2.28	140
401430175	2013	8	20	21	V	1.4	0	2.35	139
401430175	2013	8	20	22	V	1.1	0	1.3	136
401430175	2013	8	20	23	V	11.3	0	0.58	181
401430175	2013	8	20	24	V	4.5	0	0.72	245
401430175	2013	8	21	1	V	6.2	0	0.7	261
401430175	2013	8	21	2	V	3.3	0	0.69	276
401430175	2013	8	21	3	C	-999	0	0	0
401430175	2013	8	21	4	C	-999	0	0	0
401430175	2013	8	21	5	V	16.7	0	0.55	225
401430175	2013	8	21	6	V	18.6	0	0.57	235
401430175	2013	8	21	7	V	10.2	0	1.03	177
401430175	2013	8	21	8	V	5.0	5	2.39	181
401430175	2013	8	21	9	V	4.7	16	3.37	179
401430175	2013	8	21	10	V	4.0	10	3.42	181
401430175	2013	8	21	11	V	5.1	5	3.64	189
401430175	2013	8	21	12	V	6.3	10	3.34	189
401430175	2013	8	21	13	V	8.4	5	3.18	205
401430175	2013	8	21	14	V	7.3	1	3.81	189
401430175	2013	8	21	15	V	6.0	9	4.15	185
401430175	2013	8	21	16	V	7.1	11	3.64	190
401430175	2013	8	21	17	V	8.1	9	3.2	199
401430175	2013	8	21	18	V	9.9	3	2.69	176
401430175	2013	8	21	19	V	6.5	2	1.99	169
401430175	2013	8	21	20	V	2.5	0	1.35	156
401430175	2013	8	21	21	V	15.7	0	0.77	212
401430175	2013	8	21	22	V	3.5	0	0.8	242
401430175	2013	8	21	23	V	3.1	0	1.57	181
401430175	2013	8	21	24	V	15.6	0	0.79	211
401430175	2013	8	22	1	V	13.7	1	0.72	192
401430175	2013	8	22	2	V	13.5	0	0.67	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	22	3	V	6.4	0	0.74	245
401430175	2013	8	22	4	V	3.4	0	0.82	241
401430175	2013	8	22	5	V	12.4	0	0.89	211
401430175	2013	8	22	6	V	18.5	4	0.94	206
401430175	2013	8	22	7	V	5.1	4	1.08	183
401430175	2013	8	22	8	V	5.4	9	2.1	178
401430175	2013	8	22	9	V	4.9	14	2.57	184
401430175	2013	8	22	10	V	4.1	15	3.83	186
401430175	2013	8	22	11	V	5.6	11	3.85	193
401430175	2013	8	22	12	V	7.2	8	2.73	197
401430175	2013	8	22	13	V	6.1	3	2.25	187
401430175	2013	8	22	14	V	6.0	3	2.66	174
401430175	2013	8	22	15	V	5.6	-999	2.93	179
401430175	2013	8	22	16	V	2.9	-999	3.25	133
401430175	2013	8	22	17	V	2.5	0	2.88	132
401430175	2013	8	22	18	V	6.4	0	3.03	145
401430175	2013	8	22	19	V	1.6	0	2.37	127
401430175	2013	8	22	20	V	1.9	0	1.31	100
401430175	2013	8	22	21	V	1.4	0	1.62	112
401430175	2013	8	22	22	V	1.0	2	1.7	135
401430175	2013	8	22	23	V	7.9	1	0.99	201
401430175	2013	8	22	24	V	6.7	1	1.06	184
401430175	2013	8	23	1	V	13.2	1	1.35	176
401430175	2013	8	23	2	V	15.2	0	0.84	208
401430175	2013	8	23	3	V	4.7	0	0.84	273
401430175	2013	8	23	4	V	7.8	1	1.23	209
401430175	2013	8	23	5	V	7.1	1	0.97	198
401430175	2013	8	23	6	V	23.5	0	0.79	224
401430175	2013	8	23	7	V	4.7	0	0.86	158
401430175	2013	8	23	8	V	2.0	0	1.59	141
401430175	2013	8	23	9	V	4.5	0	2.61	166
401430175	2013	8	23	10	V	2.9	0	2.69	158
401430175	2013	8	23	11	V	1.8	1	2.52	121
401430175	2013	8	23	12	V	2.8	2	1.57	253
401430175	2013	8	23	13	V	7.1	9	2.08	177
401430175	2013	8	23	14	V	3.8	1	2.59	151
401430175	2013	8	23	15	V	2.9	0	1.45	111
401430175	2013	8	23	16	V	2.8	0	3.05	135
401430175	2013	8	23	17	V	3.4	0	2.95	150
401430175	2013	8	23	18	V	5.9	0	4.29	128
401430175	2013	8	23	19	V	1.5	1	3.08	133
401430175	2013	8	23	20	V	1.9	1	1.79	138
401430175	2013	8	23	21	V	1.4	1	1.77	121
401430175	2013	8	23	22	C	-999	2	0	0
401430175	2013	8	23	23	V	1.3	2	0.84	56
401430175	2013	8	23	24	V	17.3	2	0.86	216

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	24	1	V	7.0	2	0.62	255
401430175	2013	8	24	2	C	-999	1	0	0
401430175	2013	8	24	3	V	6.7	0	0.52	271
401430175	2013	8	24	4	C	-999	0	0	0
401430175	2013	8	24	5	C	-999	0	0	0
401430175	2013	8	24	6	C	-999	0	0	0
401430175	2013	8	24	7	C	-999	0	0	0
401430175	2013	8	24	8	V	2.1	0	1.82	144
401430175	2013	8	24	9	V	1.8	0	2.84	144
401430175	2013	8	24	10	V	1.8	0	3.63	153
401430175	2013	8	24	11	V	5.6	0	4.14	173
401430175	2013	8	24	12	V	5.3	0	3.86	167
401430175	2013	8	24	13	V	4.8	0	3.18	163
401430175	2013	8	24	14	V	3.7	0	3.32	143
401430175	2013	8	24	15	V	2.3	0	3.46	133
401430175	2013	8	24	16	V	2.7	0	3.91	124
401430175	2013	8	24	17	V	2.3	0	4.02	135
401430175	2013	8	24	18	V	5.9	0	3.98	135
401430175	2013	8	24	19	V	1.5	1	3.07	130
401430175	2013	8	24	20	V	1.9	2	2.33	114
401430175	2013	8	24	21	V	1.4	2	1.93	137
401430175	2013	8	24	22	V	1.1	0	1.37	145
401430175	2013	8	24	23	V	1.0	0	0.96	141
401430175	2013	8	24	24	V	2.5	0	0.96	138
401430175	2013	8	25	1	V	6.0	0	1.23	153
401430175	2013	8	25	2	V	3.2	0	0.79	111
401430175	2013	8	25	3	V	8.7	0	0.57	246
401430175	2013	8	25	4	V	9.5	0	0.94	165
401430175	2013	8	25	5	V	16.9	0	0.69	218
401430175	2013	8	25	6	C	-999	0	0	0
401430175	2013	8	25	7	V	16.2	0	0.62	226
401430175	2013	8	25	8	V	3.0	0	2.16	155
401430175	2013	8	25	9	V	4.5	1	3.22	168
401430175	2013	8	25	10	V	5.3	6	3.34	171
401430175	2013	8	25	11	V	4.2	5	2.93	163
401430175	2013	8	25	12	V	5.2	2	3.05	170
401430175	2013	8	25	13	V	4.3	1	3.12	157
401430175	2013	8	25	14	V	5.5	0	3.4	163
401430175	2013	8	25	15	V	5.0	0	3.61	167
401430175	2013	8	25	16	V	5.3	8	3.98	163
401430175	2013	8	25	17	V	6.2	7	3.56	180
401430175	2013	8	25	18	V	10.1	3	3.22	176
401430175	2013	8	25	19	V	3.5	0	2.5	161
401430175	2013	8	25	20	V	2.2	0	1.65	156
401430175	2013	8	25	21	V	1.6	0	1.13	138
401430175	2013	8	25	22	V	1.0	0	1.81	136

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	25	23	V	0.7	0	1.76	146
401430175	2013	8	25	24	V	2.4	0	1.86	156
401430175	2013	8	26	1	V	9.3	0	2.5	170
401430175	2013	8	26	2	V	4.6	4	2.13	164
401430175	2013	8	26	3	V	4.4	3	1.54	149
401430175	2013	8	26	4	V	6.1	3	0.96	161
401430175	2013	8	26	5	V	8.2	3	1.38	168
401430175	2013	8	26	6	V	17.2	0	1.28	175
401430175	2013	8	26	7	V	2.0	0	1.45	191
401430175	2013	8	26	8	V	5.2	6	2.73	173
401430175	2013	8	26	9	V	4.5	9	3.35	185
401430175	2013	8	26	10	V	5.1	12	3.9	195
401430175	2013	8	26	11	V	5.3	13	4.37	193
401430175	2013	8	26	12	V	6.0	14	4.14	190
401430175	2013	8	26	13	V	6.0	3	3.76	178
401430175	2013	8	26	14	V	6.7	6	3.95	178
401430175	2013	8	26	15	V	5.4	2	4.05	171
401430175	2013	8	26	16	V	6.0	1	4.29	169
401430175	2013	8	26	17	V	5.9	1	4.02	168
401430175	2013	8	26	18	V	10.3	2	3.75	170
401430175	2013	8	26	19	V	5.6	2	2.5	175
401430175	2013	8	26	20	C	-999	2	0	0
401430175	2013	8	26	21	C	-999	0	0	0
401430175	2013	8	26	22	C	-999	0	0	0
401430175	2013	8	26	23	V	14.6	0	0.67	205
401430175	2013	8	26	24	V	9.6	0	1.08	210
401430175	2013	8	27	1	V	10.0	1	1.35	207
401430175	2013	8	27	2	V	17.1	1	0.69	211
401430175	2013	8	27	3	C	-999	1	0	0
401430175	2013	8	27	4	V	16.0	5	0.87	217
401430175	2013	8	27	5	V	16.5	13	0.8	218
401430175	2013	8	27	6	V	10.4	18	0.89	241
401430175	2013	8	27	7	V	4.3	18	1.31	181
401430175	2013	8	27	8	V	5.4	12	2.01	187
401430175	2013	8	27	9	V	4.5	14	3.25	184
401430175	2013	8	27	10	V	4.0	16	4.56	190
401430175	2013	8	27	11	V	5.2	13	4.42	178
401430175	2013	8	27	12	V	5.4	16	4.88	181
401430175	2013	8	27	13	V	5.8	10	4.46	181
401430175	2013	8	27	14	V	6.4	8	5.36	185
401430175	2013	8	27	15	V	6.1	3	4.56	189
401430175	2013	8	27	16	V	6.7	11	4.93	192
401430175	2013	8	27	17	V	6.7	11	4.75	195
401430175	2013	8	27	18	V	12.2	19	4.05	203
401430175	2013	8	27	19	V	5.6	11	2.72	217
401430175	2013	8	27	20	V	7.8	8	1.23	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	27	21	V	14.8	9	0.92	225
401430175	2013	8	27	22	V	2.9	5	0.6	253
401430175	2013	8	27	23	C	-999	3	0	0
401430175	2013	8	27	24	V	4.1	2	0.65	250
401430175	2013	8	28	1	V	6.2	1	0.7	270
401430175	2013	8	28	2	V	17.1	1	0.92	224
401430175	2013	8	28	3	V	7.3	1	0.77	242
401430175	2013	8	28	4	V	16.0	1	0.92	220
401430175	2013	8	28	5	V	17.8	1	0.55	214
401430175	2013	8	28	6	V	8.9	2	0.92	247
401430175	2013	8	28	7	V	5.9	17	1.16	202
401430175	2013	8	28	8	V	8.1	29	1.89	202
401430175	2013	8	28	9	V	7.6	22	2.4	217
401430175	2013	8	28	10	V	8.4	15	3.01	206
401430175	2013	8	28	11	V	5.6	11	3.64	192
401430175	2013	8	28	12	V	5.7	9	4.65	189
401430175	2013	8	28	13	V	5.2	10	6.19	187
401430175	2013	8	28	14	V	8.0	13	5.09	199
401430175	2013	8	28	15	V	7.8	9	4.54	201
401430175	2013	8	28	16	V	9.3	9	3.74	219
401430175	2013	8	28	17	V	9.3	13	3.44	221
401430175	2013	8	28	18	V	14.3	8	2.95	218
401430175	2013	8	28	19	V	2.7	18	2.3	206
401430175	2013	8	28	20	V	7.0	3	1.2	207
401430175	2013	8	28	21	V	12.8	4	1.04	215
401430175	2013	8	28	22	V	6.8	1	0.67	239
401430175	2013	8	28	23	V	16.5	1	0.57	226
401430175	2013	8	28	24	C	-999	0	0	0
401430175	2013	8	29	1	V	19.0	0	0.84	227
401430175	2013	8	29	2	V	7.1	0	1.35	207
401430175	2013	8	29	3	V	4.9	1	2.03	186
401430175	2013	8	29	4	V	6.1	0	1.72	175
401430175	2013	8	29	5	V	16.7	2	0.75	216
401430175	2013	8	29	6	V	21.8	3	0.72	228
401430175	2013	8	29	7	V	8.1	7	0.65	237
401430175	2013	8	29	8	V	5.4	14	1.91	186
401430175	2013	8	29	9	V	5.8	9	2.33	193
401430175	2013	8	29	10	V	4.3	9	2.69	181
401430175	2013	8	29	11	V	5.6	7	2.52	186
401430175	2013	8	29	12	V	6.3	1	2.96	232
401430175	2013	8	29	13	V	4.6	-999	2.84	244
401430175	2013	8	29	14	V	8.9	2	3.44	221
401430175	2013	8	29	15	V	7.8	2	2.93	217
401430175	2013	8	29	16	V	7.8	4	2.52	221
401430175	2013	8	29	17	V	8.4	3	2.37	209
401430175	2013	8	29	18	V	11.5	1	2.5	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	29	19	V	3.2	3	1.48	204
401430175	2013	8	29	20	V	15.4	2	0.79	227
401430175	2013	8	29	21	V	3.3	3	0.6	253
401430175	2013	8	29	22	C	-999	1	0	0
401430175	2013	8	29	23	V	1.6	0	0.67	259
401430175	2013	8	29	24	V	11.1	0	0.58	237
401430175	2013	8	30	1	V	7.1	7	0.57	261
401430175	2013	8	30	2	V	3.2	7	0.74	281
401430175	2013	8	30	3	C	-999	1	0	0
401430175	2013	8	30	4	V	1.3	10	0.74	275
401430175	2013	8	30	5	V	2.6	14	0.53	262
401430175	2013	8	30	6	V	9.2	17	0.67	286
401430175	2013	8	30	7	V	12.7	22	0.94	214
401430175	2013	8	30	8	V	5.3	19	2.52	194
401430175	2013	8	30	9	V	6.1	25	2.78	198
401430175	2013	8	30	10	V	4.1	31	3.49	187
401430175	2013	8	30	11	V	8.4	10	4.02	212
401430175	2013	8	30	12	V	8.6	4	3.52	218
401430175	2013	8	30	13	V	7.9	2	3.18	223
401430175	2013	8	30	14	V	10.0	3	3.93	209
401430175	2013	8	30	15	V	7.6	2	3.2	224
401430175	2013	8	30	16	V	9.7	8	3.58	208
401430175	2013	8	30	17	V	9.1	8	3.51	204
401430175	2013	8	30	18	V	9.5	17	4.03	190
401430175	2013	8	30	19	V	3.5	13	2.62	182
401430175	2013	8	30	20	V	4.2	8	1.4	201
401430175	2013	8	30	21	V	5.8	2	1.28	211
401430175	2013	8	30	22	V	3.2	2	1.3	193
401430175	2013	8	30	23	V	7.0	4	1.14	164
401430175	2013	8	30	24	V	2.9	19	0.72	104
401430175	2013	8	31	1	C	-999	22	0	0
401430175	2013	8	31	2	V	15.2	20	0.7	229
401430175	2013	8	31	3	V	6.2	19	0.62	252
401430175	2013	8	31	4	V	17.7	18	0.63	220
401430175	2013	8	31	5	V	16.1	22	0.86	217
401430175	2013	8	31	6	C	-999	13	0	0
401430175	2013	8	31	7	V	4.7	19	1.01	160
401430175	2013	8	31	8	V	4.6	18	2.67	186
401430175	2013	8	31	9	V	4.6	18	3.42	190
401430175	2013	8	31	10	V	4.1	25	3.49	188
401430175	2013	8	31	11	V	9.0	11	3.15	215
401430175	2013	8	31	12	V	8.5	10	2.59	219
401430175	2013	8	31	13	V	8.1	6	2.54	215
401430175	2013	8	31	14	V	7.6	4	3.44	193
401430175	2013	8	31	15	V	5.7	5	4.58	187
401430175	2013	8	31	16	V	6.3	8	4.27	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	8	31	17	V	6.4	10	3.78	190
401430175	2013	8	31	18	V	10.2	22	3.34	193
401430175	2013	8	31	19	V	2.0	9	2.04	191
401430175	2013	8	31	20	V	6.4	4	1.18	201
401430175	2013	8	31	21	V	6.5	1	1.3	207
401430175	2013	8	31	22	V	3.3	1	1.94	179
401430175	2013	8	31	23	V	18.0	21	0.53	213
401430175	2013	8	31	24	V	7.4	40	0.8	237
401430175	2013	9	1	1	V	16.0	20	0.94	216
401430175	2013	9	1	2	V	20.2	7	0.55	216
401430175	2013	9	1	3	V	10.2	8	1.04	205
401430175	2013	9	1	4	V	5.6	14	1.06	190
401430175	2013	9	1	5	V	3.4	17	1.37	186
401430175	2013	9	1	6	V	13.0	9	0.77	202
401430175	2013	9	1	7	V	1.8	7	0.91	101
401430175	2013	9	1	8	V	7.4	14	0.94	248
401430175	2013	9	1	9	V	6.3	8	1.91	229
401430175	2013	9	1	10	V	2.3	1	1.67	277
401430175	2013	9	1	11	V	3.0	1	3.05	332
401430175	2013	9	1	12	V	3.0	1	4.05	357
401430175	2013	9	1	13	V	5.6	1	4.19	12
401430175	2013	9	1	14	V	3.6	1	2.83	5
401430175	2013	9	1	15	V	3.2	1	2.28	1
401430175	2013	9	1	16	V	4.2	2	1.74	357
401430175	2013	9	1	17	V	5.5	2	1.67	339
401430175	2013	9	1	18	V	4.8	1	1.72	325
401430175	2013	9	1	19	V	2.3	0	1.54	332
401430175	2013	9	1	20	V	2.6	1	1.67	354
401430175	2013	9	1	21	V	2.1	1	3.97	24
401430175	2013	9	1	22	V	2.2	1	3.6	57
401430175	2013	9	1	23	V	2.3	1	1.76	22
401430175	2013	9	1	24	V	1.9	1	1.59	1
401430175	2013	9	2	1	V	1.3	0	1.76	2
401430175	2013	9	2	2	V	1.5	1	2.33	360
401430175	2013	9	2	3	V	1.0	0	3.15	7
401430175	2013	9	2	4	V	1.5	0	3.66	5
401430175	2013	9	2	5	V	1.8	0	3.64	12
401430175	2013	9	2	6	V	1.5	0	3.01	22
401430175	2013	9	2	7	V	1.5	0	2.32	12
401430175	2013	9	2	8	V	3.5	0	2.61	29
401430175	2013	9	2	9	V	1.8	0	3.17	24
401430175	2013	9	2	10	V	4.2	0	3.46	44
401430175	2013	9	2	11	V	2.9	2	4.37	24
401430175	2013	9	2	12	V	2.9	1	3.92	6
401430175	2013	9	2	13	V	5.5	0	3.78	4
401430175	2013	9	2	14	V	3.2	0	3.85	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	2	15	V	2.5	0	3.88	9
401430175	2013	9	2	16	V	3.2	0	3.86	2
401430175	2013	9	2	17	V	4.5	0	3.66	5
401430175	2013	9	2	18	V	4.2	0	3.63	10
401430175	2013	9	2	19	V	2.3	0	2.52	6
401430175	2013	9	2	20	V	2.6	0	1.72	354
401430175	2013	9	2	21	V	2.1	0	1.3	357
401430175	2013	9	2	22	V	2.3	0	1.3	347
401430175	2013	9	2	23	V	4.0	0	0.55	317
401430175	2013	9	2	24	V	3.6	0	0.57	274
401430175	2013	9	3	1	V	1.5	0	0.91	328
401430175	2013	9	3	2	V	2.4	0	0.65	320
401430175	2013	9	3	3	V	2.9	0	0.57	257
401430175	2013	9	3	4	C	-999	0	0	0
401430175	2013	9	3	5	V	1.8	0	1.25	4
401430175	2013	9	3	6	V	3.0	0	0.57	304
401430175	2013	9	3	7	V	2.0	0	0.79	3
401430175	2013	9	3	8	V	3.1	0	2.27	20
401430175	2013	9	3	9	V	3.1	0	2.13	35
401430175	2013	9	3	10	V	3.3	1	2.37	46
401430175	2013	9	3	11	V	3.0	0	3.06	22
401430175	2013	9	3	12	V	3.1	1	2.66	15
401430175	2013	9	3	13	V	5.7	4	3.03	18
401430175	2013	9	3	14	V	3.5	1	2.83	23
401430175	2013	9	3	15	V	2.6	0	3.03	14
401430175	2013	9	3	16	V	3.2	2	2.83	7
401430175	2013	9	3	17	V	4.6	4	2.76	18
401430175	2013	9	3	18	V	4.3	4	2.79	17
401430175	2013	9	3	19	V	2.3	4	2.79	13
401430175	2013	9	3	20	V	2.6	4	1.89	12
401430175	2013	9	3	21	V	2.1	2	1.57	11
401430175	2013	9	3	22	V	2.4	1	1.06	350
401430175	2013	9	3	23	C	-999	0	0	0
401430175	2013	9	3	24	C	-999	0	0	0
401430175	2013	9	4	1	C	-999	0	0	0
401430175	2013	9	4	2	V	2.3	0	0.7	267
401430175	2013	9	4	3	C	-999	0	0	0
401430175	2013	9	4	4	C	-999	0	0	0
401430175	2013	9	4	5	C	-999	0	0	0
401430175	2013	9	4	6	C	-999	0	0	0
401430175	2013	9	4	7	C	-999	0	0	0
401430175	2013	9	4	8	V	5.1	0	1.11	45
401430175	2013	9	4	9	V	2.3	0	1.88	132
401430175	2013	9	4	10	V	2.9	0	2.01	150
401430175	2013	9	4	11	V	4.1	1	2.23	155
401430175	2013	9	4	12	V	3.9	0	2.21	148

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	4	13	V	5.7	3	2.84	86
401430175	2013	9	4	14	V	4.0	1	2.15	43
401430175	2013	9	4	15	V	2.8	1	2.47	79
401430175	2013	9	4	16	V	3.7	0	1.89	95
401430175	2013	9	4	17	V	6.2	0	2.18	159
401430175	2013	9	4	18	V	6.1	0	2.76	155
401430175	2013	9	4	19	V	6.4	0	1.89	168
401430175	2013	9	4	20	C	-999	2	0	0
401430175	2013	9	4	21	V	4.5	6	0.52	2
401430175	2013	9	4	22	V	2.6	1	0.86	12
401430175	2013	9	4	23	C	-999	0	0	0
401430175	2013	9	4	24	V	3.5	0	0.62	131
401430175	2013	9	5	1	V	2.1	0	0.65	311
401430175	2013	9	5	2	V	2.1	0	0.74	265
401430175	2013	9	5	3	C	-999	0	0	0
401430175	2013	9	5	4	V	3.1	0	0.58	28
401430175	2013	9	5	5	C	-999	0	0	0
401430175	2013	9	5	6	V	7.2	0	0.89	235
401430175	2013	9	5	7	V	2.1	0	0.79	252
401430175	2013	9	5	8	V	11.8	1	1.3	220
401430175	2013	9	5	9	V	5.7	1	3	176
401430175	2013	9	5	10	V	4.6	5	3.05	174
401430175	2013	9	5	11	V	4.8	5	2.9	166
401430175	2013	9	5	12	V	4.4	1	2.3	167
401430175	2013	9	5	13	V	6.3	0	2.61	135
401430175	2013	9	5	14	V	3.6	1	2.59	89
401430175	2013	9	5	15	V	3.0	2	2.42	76
401430175	2013	9	5	16	V	4.0	0	1.79	81
401430175	2013	9	5	17	V	4.9	0	2.27	96
401430175	2013	9	5	18	V	4.5	0	2.57	132
401430175	2013	9	5	19	V	2.2	0	2.5	135
401430175	2013	9	5	20	V	2.6	1	1.7	121
401430175	2013	9	5	21	V	5.3	2	1.35	162
401430175	2013	9	5	22	V	4.3	2	0.57	140
401430175	2013	9	5	23	V	2.8	1	0.84	96
401430175	2013	9	5	24	V	2.0	0	1.25	133
401430175	2013	9	6	1	C	-999	0	0	0
401430175	2013	9	6	2	V	6.7	0	1.26	211
401430175	2013	9	6	3	V	6.5	0	0.75	238
401430175	2013	9	6	4	V	10.9	0	0.97	230
401430175	2013	9	6	5	V	15.5	1	0.75	228
401430175	2013	9	6	6	V	11.3	0	1.28	220
401430175	2013	9	6	7	V	11.5	0	1.16	226
401430175	2013	9	6	8	V	10.8	0	1.57	199
401430175	2013	9	6	9	V	5.5	1	3.01	170
401430175	2013	9	6	10	V	4.5	12	2.95	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	6	11	V	4.9	8	3.1	167
401430175	2013	9	6	12	V	4.2	0	2.71	157
401430175	2013	9	6	13	V	8.3	2	2.76	186
401430175	2013	9	6	14	V	5.9	1	2.76	185
401430175	2013	9	6	15	V	4.6	1	2.23	203
401430175	2013	9	6	16	V	3.4	1	3.12	123
401430175	2013	9	6	17	V	4.6	1	3.12	120
401430175	2013	9	6	18	V	4.9	1	2.86	143
401430175	2013	9	6	19	V	5.6	0	2.15	167
401430175	2013	9	6	20	V	6.3	1	1.11	185
401430175	2013	9	6	21	V	3.9	0	0.63	251
401430175	2013	9	6	22	V	6.3	0	1.33	201
401430175	2013	9	6	23	V	8.3	4	1.86	172
401430175	2013	9	6	24	V	6.4	1	1.79	167
401430175	2013	9	7	1	V	2.5	1	1.94	182
401430175	2013	9	7	2	V	4.4	0	1.48	201
401430175	2013	9	7	3	V	4.2	1	1.33	182
401430175	2013	9	7	4	V	2.8	3	1.88	210
401430175	2013	9	7	5	V	3.3	1	1.86	208
401430175	2013	9	7	6	V	3.3	8	1.69	202
401430175	2013	9	7	7	V	2.6	34	2.01	182
401430175	2013	9	7	8	V	6.4	6	2.81	173
401430175	2013	9	7	9	V	5.6	11	3.06	173
401430175	2013	9	7	10	V	4.3	18	3.4	170
401430175	2013	9	7	11	V	6.3	6	3.37	185
401430175	2013	9	7	12	V	7.0	7	3.23	197
401430175	2013	9	7	13	V	7.6	8	2.88	173
401430175	2013	9	7	14	V	6.1	4	2.83	188
401430175	2013	9	7	15	V	6.1	1	2.88	200
401430175	2013	9	7	16	V	6.7	1	3.08	185
401430175	2013	9	7	17	V	9.2	1	2.89	192
401430175	2013	9	7	18	V	8.8	2	2.84	184
401430175	2013	9	7	19	V	2.8	2	1.99	189
401430175	2013	9	7	20	V	5.2	1	0.55	249
401430175	2013	9	7	21	V	4.5	0	0.52	275
401430175	2013	9	7	22	V	17.3	1	0.99	220
401430175	2013	9	7	23	V	9.1	1	0.82	235
401430175	2013	9	7	24	V	10.7	4	1.09	229
401430175	2013	9	8	1	C	-999	8	0	0
401430175	2013	9	8	2	V	12.0	12	0.99	206
401430175	2013	9	8	3	V	6.8	10	0.77	237
401430175	2013	9	8	4	V	2.2	8	0.7	319
401430175	2013	9	8	5	C	-999	15	0	0
401430175	2013	9	8	6	C	-999	11	0	0
401430175	2013	9	8	7	V	3.3	6	0.55	274
401430175	2013	9	8	8	V	11.7	19	1.18	210

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	8	9	V	8.7	3	2.64	222
401430175	2013	9	8	10	V	7.0	1	2.91	211
401430175	2013	9	8	11	V	8.1	2	4.03	214
401430175	2013	9	8	12	V	7.8	3	3.98	216
401430175	2013	9	8	13	V	10.8	7	4.32	205
401430175	2013	9	8	14	V	7.4	8	4.27	192
401430175	2013	9	8	15	V	6.4	16	4.82	188
401430175	2013	9	8	16	V	8.3	19	4.61	197
401430175	2013	9	8	17	V	9.7	11	4.39	195
401430175	2013	9	8	18	V	9.8	4	3.63	196
401430175	2013	9	8	19	V	4.7	7	1.54	212
401430175	2013	9	8	20	V	9.3	2	0.6	237
401430175	2013	9	8	21	V	5.8	2	0.63	245
401430175	2013	9	8	22	V	3.9	1	0.57	261
401430175	2013	9	8	23	V	10.5	4	0.86	233
401430175	2013	9	8	24	V	17.1	3	0.72	225
401430175	2013	9	9	1	C	-999	2	0	0
401430175	2013	9	9	2	V	2.2	3	0.72	264
401430175	2013	9	9	3	C	-999	4	0	0
401430175	2013	9	9	4	C	-999	2	0	0
401430175	2013	9	9	5	C	-999	3	0	0
401430175	2013	9	9	6	C	-999	4	0	0
401430175	2013	9	9	7	C	-999	6	0	0
401430175	2013	9	9	8	V	11.9	4	1.08	201
401430175	2013	9	9	9	V	9.0	2	2.23	219
401430175	2013	9	9	10	V	6.1	1	3.05	228
401430175	2013	9	9	11	V	6.6	1	2.98	225
401430175	2013	9	9	12	V	6.9	2	5.07	190
401430175	2013	9	9	13	V	9.4	5	5.63	191
401430175	2013	9	9	14	V	6.2	9	6.21	177
401430175	2013	9	9	15	V	5.7	7	5.72	181
401430175	2013	9	9	16	V	6.9	6	5.8	188
401430175	2013	9	9	17	V	8.3	2	5.75	189
401430175	2013	9	9	18	V	8.7	2	5.05	194
401430175	2013	9	9	19	V	3.1	1	1.79	209
401430175	2013	9	9	20	V	9.3	1	1.13	208
401430175	2013	9	9	21	V	17.1	1	0.75	214
401430175	2013	9	9	22	V	19.2	3	0.69	209
401430175	2013	9	9	23	V	20.3	2	0.58	207
401430175	2013	9	9	24	V	6.6	5	1.38	207
401430175	2013	9	10	1	V	3.8	4	0.69	246
401430175	2013	9	10	2	V	4.2	3	0.52	260
401430175	2013	9	10	3	V	9.6	4	0.65	236
401430175	2013	9	10	4	V	1.9	5	0.8	260
401430175	2013	9	10	5	V	14.5	12	0.77	229
401430175	2013	9	10	6	V	10.1	9	0.92	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	10	7	V	9.6	4	0.8	194
401430175	2013	9	10	8	V	9.5	4	1.71	194
401430175	2013	9	10	9	V	5.7	3	2.95	186
401430175	2013	9	10	10	V	7.3	2	3.88	202
401430175	2013	9	10	11	V	8.3	3	5.26	202
401430175	2013	9	10	12	V	8.0	9	5.22	200
401430175	2013	9	10	13	V	9.9	-999	5.5	195
401430175	2013	9	10	14	V	6.6	-999	5.55	185
401430175	2013	9	10	15	V	6.4	5	5.04	188
401430175	2013	9	10	16	V	9.2	5	5.12	203
401430175	2013	9	10	17	V	9.6	3	4.34	194
401430175	2013	9	10	18	V	8.5	4	3.29	178
401430175	2013	9	10	19	V	7.0	9	1.31	214
401430175	2013	9	10	20	C	-999	2	0	0
401430175	2013	9	10	21	V	3.8	0	0.55	299
401430175	2013	9	10	22	C	-999	0	0	0
401430175	2013	9	10	23	V	4.6	0	0.53	260
401430175	2013	9	10	24	C	-999	0	0	0
401430175	2013	9	11	1	V	8.9	0	0.52	242
401430175	2013	9	11	2	V	3.2	0	0.55	269
401430175	2013	9	11	3	V	2.1	1	0.62	266
401430175	2013	9	11	4	C	-999	1	0	0
401430175	2013	9	11	5	V	13.6	1	0.6	233
401430175	2013	9	11	6	V	10.2	1	0.57	238
401430175	2013	9	11	7	V	5.7	2	0.57	247
401430175	2013	9	11	8	V	11.7	3	0.94	202
401430175	2013	9	11	9	V	9.6	3	1.76	207
401430175	2013	9	11	10	V	5.1	2	2.15	227
401430175	2013	9	11	11	V	6.3	1	2.54	216
401430175	2013	9	11	12	V	6.6	3	2.79	210
401430175	2013	9	11	13	V	9.0	0	2.89	201
401430175	2013	9	11	14	V	6.1	2	2.49	217
401430175	2013	9	11	15	V	4.5	2	2.44	173
401430175	2013	9	11	16	V	6.9	1	2.59	193
401430175	2013	9	11	17	V	8.5	1	2.05	216
401430175	2013	9	11	18	V	9.1	2	2.2	186
401430175	2013	9	11	19	V	7.9	1	1.23	209
401430175	2013	9	11	20	V	8.9	1	0.62	240
401430175	2013	9	11	21	V	3.2	1	0.62	275
401430175	2013	9	11	22	V	3.0	1	0.69	277
401430175	2013	9	11	23	V	3.5	1	0.62	270
401430175	2013	9	11	24	V	18.7	1	0.82	219
401430175	2013	9	12	1	V	16.9	1	0.77	225
401430175	2013	9	12	2	V	16.9	1	0.97	220
401430175	2013	9	12	3	V	8.9	4	0.8	234
401430175	2013	9	12	4	V	2.4	4	0.74	252

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	12	5	V	3.3	1	0.57	303
401430175	2013	9	12	6	C	-999	1	0	0
401430175	2013	9	12	7	V	15.9	1	0.7	227
401430175	2013	9	12	8	V	4.7	1	1.18	256
401430175	2013	9	12	9	V	1.9	1	2.15	358
401430175	2013	9	12	10	V	2.1	1	2.79	27
401430175	2013	9	12	11	V	3.8	1	2.01	45
401430175	2013	9	12	12	V	3.7	1	2.78	47
401430175	2013	9	12	13	V	6.0	0	3.37	31
401430175	2013	9	12	14	V	3.5	0	3.15	19
401430175	2013	9	12	15	V	2.5	0	4.31	20
401430175	2013	9	12	16	V	3.1	0	4.1	354
401430175	2013	9	12	17	V	7.7	0	3.83	237
401430175	2013	9	12	18	V	5.8	3	1.4	255
401430175	2013	9	12	19	V	2.5	2	0.84	348
401430175	2013	9	12	20	V	2.7	0	1.2	353
401430175	2013	9	12	21	V	2.0	0	2.9	10
401430175	2013	9	12	22	V	2.3	0	3.27	14
401430175	2013	9	12	23	V	2.4	0	4.14	34
401430175	2013	9	12	24	V	1.9	0	3.3	26
401430175	2013	9	13	1	V	1.2	0	2.73	15
401430175	2013	9	13	2	V	1.5	0	2.42	15
401430175	2013	9	13	3	V	1.0	0	1.86	5
401430175	2013	9	13	4	V	1.5	0	2.62	12
401430175	2013	9	13	5	V	1.7	0	2.93	16
401430175	2013	9	13	6	V	1.5	0	3.34	21
401430175	2013	9	13	7	V	1.5	1	3.74	27
401430175	2013	9	13	8	V	4.3	0	4.75	38
401430175	2013	9	13	9	V	4.2	0	5.19	45
401430175	2013	9	13	10	V	2.7	1	4.78	52
401430175	2013	9	13	11	V	4.2	1	4.65	43
401430175	2013	9	13	12	V	3.8	0	4.1	43
401430175	2013	9	13	13	V	5.8	1	4.65	34
401430175	2013	9	13	14	V	3.3	1	4.15	31
401430175	2013	9	13	15	V	2.3	3	4.87	21
401430175	2013	9	13	16	V	3.1	8	4.34	31
401430175	2013	9	13	17	V	4.5	12	3.9	26
401430175	2013	9	13	18	V	4.1	11	4.32	22
401430175	2013	9	13	19	V	2.3	10	4.17	28
401430175	2013	9	13	20	V	2.6	1	4.48	31
401430175	2013	9	13	21	V	2.1	0	3.74	29
401430175	2013	9	13	22	V	2.3	0	3.18	34
401430175	2013	9	13	23	V	3.3	0	3.61	50
401430175	2013	9	13	24	V	7.7	0	2.91	44
401430175	2013	9	14	1	V	1.6	0	2.74	51
401430175	2013	9	14	2	V	1.5	0	2.03	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	14	3	V	1.0	1	1.89	31
401430175	2013	9	14	4	V	1.5	0	2.49	30
401430175	2013	9	14	5	V	1.8	0	1.81	32
401430175	2013	9	14	6	V	1.8	0	0.94	63
401430175	2013	9	14	7	V	1.5	0	1.74	114
401430175	2013	9	14	8	V	3.4	0	2.28	145
401430175	2013	9	14	9	V	1.8	0	3.35	140
401430175	2013	9	14	10	V	2.0	0	4	147
401430175	2013	9	14	11	V	4.9	0	3.66	162
401430175	2013	9	14	12	V	3.3	0	4.05	145
401430175	2013	9	14	13	V	5.5	0	4.09	131
401430175	2013	9	14	14	V	3.4	0	3.66	134
401430175	2013	9	14	15	V	2.9	1	3.63	138
401430175	2013	9	14	16	V	3.1	0	4.02	128
401430175	2013	9	14	17	V	5.7	0	3.49	151
401430175	2013	9	14	18	V	8.6	1	3.85	177
401430175	2013	9	14	19	V	4.4	3	2.93	180
401430175	2013	9	14	20	V	2.8	1	2.22	157
401430175	2013	9	14	21	V	2.0	1	2.69	150
401430175	2013	9	14	22	V	2.3	1	2.55	156
401430175	2013	9	14	23	V	5.8	1	3.15	174
401430175	2013	9	14	24	V	3.8	1	2.71	165
401430175	2013	9	15	1	V	1.9	0	1.98	185
401430175	2013	9	15	2	V	3.4	0	2.62	178
401430175	2013	9	15	3	V	2.2	1	2.33	181
401430175	2013	9	15	4	V	2.2	5	2.15	200
401430175	2013	9	15	5	V	3.1	6	2.54	180
401430175	2013	9	15	6	V	2.7	7	2.83	183
401430175	2013	9	15	7	V	5.3	15	2.81	174
401430175	2013	9	15	8	V	6.4	15	3.15	172
401430175	2013	9	15	9	V	5.5	21	4.42	177
401430175	2013	9	15	10	V	4.5	13	5.55	182
401430175	2013	9	15	11	V	5.8	6	5.89	189
401430175	2013	9	15	12	V	6.0	10	4.78	182
401430175	2013	9	15	13	V	9.1	7	4.36	186
401430175	2013	9	15	14	V	6.5	3	4.65	182
401430175	2013	9	15	15	V	7.0	3	3.88	193
401430175	2013	9	15	16	V	7.7	2	2.74	209
401430175	2013	9	15	17	V	9.3	3	2.67	191
401430175	2013	9	15	18	V	9.5	2	2.81	195
401430175	2013	9	15	19	C	-999	2	0	0
401430175	2013	9	15	20	C	-999	1	0	0
401430175	2013	9	15	21	V	7.0	1	0.65	242
401430175	2013	9	15	22	C	-999	1	0	0
401430175	2013	9	15	23	V	14.2	1	0.94	207
401430175	2013	9	15	24	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	16	1	C	-999	1	0	0
401430175	2013	9	16	2	V	1.7	1	1.5	34
401430175	2013	9	16	3	V	1.0	1	2.15	14
401430175	2013	9	16	4	V	1.5	0	3.63	10
401430175	2013	9	16	5	V	1.8	0	2.95	7
401430175	2013	9	16	6	V	2.1	0	5.09	36
401430175	2013	9	16	7	V	1.8	3	3.05	54
401430175	2013	9	16	8	V	3.0	1	2.91	28
401430175	2013	9	16	9	V	1.6	0	3.35	21
401430175	2013	9	16	10	V	1.7	0	2.72	24
401430175	2013	9	16	11	V	6.5	0	3.25	47
401430175	2013	9	16	12	V	3.0	0	3.59	65
401430175	2013	9	16	13	V	5.5	3	4.32	102
401430175	2013	9	16	14	V	3.2	2	3.9	98
401430175	2013	9	16	15	V	2.6	0	3.41	102
401430175	2013	9	16	16	V	3.4	1	3.18	62
401430175	2013	9	16	17	V	5.2	1	4.12	45
401430175	2013	9	16	18	V	4.9	0	4.07	49
401430175	2013	9	16	19	V	2.4	0	4.03	53
401430175	2013	9	16	20	V	2.6	0	3.85	32
401430175	2013	9	16	21	V	2.8	0	3.51	38
401430175	2013	9	16	22	V	2.2	0	2.66	31
401430175	2013	9	16	23	V	2.3	0	2.13	30
401430175	2013	9	16	24	V	1.9	0	2.67	25
401430175	2013	9	17	1	V	1.5	0	2.49	37
401430175	2013	9	17	2	V	9.2	0	2.44	45
401430175	2013	9	17	3	V	1.0	0	2.11	55
401430175	2013	9	17	4	V	4.4	0	1.74	49
401430175	2013	9	17	5	V	1.8	0	1.31	64
401430175	2013	9	17	6	V	1.5	0	1.33	306
401430175	2013	9	17	7	V	3.1	1	0.57	346
401430175	2013	9	17	8	V	3.7	1	0.97	100
401430175	2013	9	17	9	V	3.1	0	1.11	119
401430175	2013	9	17	10	V	2.8	0	1.64	137
401430175	2013	9	17	11	V	3.0	0	2.08	113
401430175	2013	9	17	12	V	3.1	1	2.28	133
401430175	2013	9	17	13	V	5.6	0	2.08	89
401430175	2013	9	17	14	V	3.8	1	1.96	65
401430175	2013	9	17	15	V	2.6	-999	2.78	86
401430175	2013	9	17	16	V	3.3	0	2.71	96
401430175	2013	9	17	17	V	4.4	1	3.34	105
401430175	2013	9	17	18	V	4.1	1	3.46	105
401430175	2013	9	17	19	V	2.2	1	2.2	93
401430175	2013	9	17	20	V	2.6	1	2.15	118
401430175	2013	9	17	21	V	5.4	8	5.75	197
401430175	2013	9	17	22	V	4.2	10	2.95	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	17	23	V	5.3	4	1.38	182
401430175	2013	9	17	24	V	9.6	14	0.82	196
401430175	2013	9	18	1	V	7.9	9	0.77	236
401430175	2013	9	18	2	V	15.7	1	0.77	208
401430175	2013	9	18	3	V	2.3	1	2.18	181
401430175	2013	9	18	4	V	4.8	22	2.57	175
401430175	2013	9	18	5	V	5.3	29	2.35	168
401430175	2013	9	18	6	V	6.5	17	2.08	171
401430175	2013	9	18	7	V	5.9	28	2.23	170
401430175	2013	9	18	8	V	6.5	39	2.47	168
401430175	2013	9	18	9	V	4.6	40	3.05	171
401430175	2013	9	18	10	V	5.2	29	4.2	186
401430175	2013	9	18	11	V	6.8	20	4.68	190
401430175	2013	9	18	12	V	6.3	16	5.05	184
401430175	2013	9	18	13	V	10.2	16	5.29	197
401430175	2013	9	18	14	V	9.2	12	5.5	206
401430175	2013	9	18	15	V	8.4	15	5.04	204
401430175	2013	9	18	16	V	6.5	19	6.21	185
401430175	2013	9	18	17	V	7.9	36	4.75	172
401430175	2013	9	18	18	V	8.2	22	3.9	167
401430175	2013	9	18	19	V	2.8	1	3.17	157
401430175	2013	9	18	20	V	5.5	1	5.92	164
401430175	2013	9	18	21	V	2.6	0	4.46	155
401430175	2013	9	18	22	V	5.9	0	2.83	170
401430175	2013	9	18	23	V	5.8	12	3.08	169
401430175	2013	9	18	24	V	4.8	48	2.52	176
401430175	2013	9	19	1	V	2.3	30	2.16	182
401430175	2013	9	19	2	V	5.3	12	2.67	172
401430175	2013	9	19	3	V	3.3	4	1.52	162
401430175	2013	9	19	4	V	5.0	3	1.31	162
401430175	2013	9	19	5	V	3.2	11	1.64	161
401430175	2013	9	19	6	V	3.0	6	1.84	162
401430175	2013	9	19	7	V	1.6	14	1.62	150
401430175	2013	9	19	8	V	6.6	25	2.66	174
401430175	2013	9	19	9	V	5.8	7	5.12	195
401430175	2013	9	19	10	V	7.2	20	5.94	203
401430175	2013	9	19	11	V	8.4	16	6.09	202
401430175	2013	9	19	12	V	7.1	22	5.68	193
401430175	2013	9	19	13	V	9.3	17	5.04	233
401430175	2013	9	19	14	V	3.6	10	2.35	304
401430175	2013	9	19	15	V	3.3	5	1.01	338
401430175	2013	9	19	16	V	4.1	3	1.06	57
401430175	2013	9	19	17	V	5.6	7	0.96	148
401430175	2013	9	19	18	V	4.4	1	1.62	262
401430175	2013	9	19	19	V	2.3	1	1.11	255
401430175	2013	9	19	20	V	3.4	2	0.69	257

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	19	21	V	2.1	0	1.82	269
401430175	2013	9	19	22	V	2.2	0	2.01	350
401430175	2013	9	19	23	V	2.4	0	2.45	293
401430175	2013	9	19	24	V	1.9	7	1.71	295
401430175	2013	9	20	1	V	1.4	4	1.57	240
401430175	2013	9	20	2	V	1.8	0	1.06	146
401430175	2013	9	20	3	V	1.0	0	2.11	91
401430175	2013	9	20	4	V	1.6	0	2.44	53
401430175	2013	9	20	5	V	1.9	0	1.09	72
401430175	2013	9	20	6	V	1.8	0	0.89	336
401430175	2013	9	20	7	V	1.7	0	1.04	286
401430175	2013	9	20	8	V	3.3	0	1.16	327
401430175	2013	9	20	9	V	1.7	0	2.36	5
401430175	2013	9	20	10	V	1.5	0	4.86	19
401430175	2013	9	20	11	V	2.7	0	4.36	6
401430175	2013	9	20	12	V	2.8	0	4.36	24
401430175	2013	9	20	13	V	5.4	0	5.26	15
401430175	2013	9	20	14	V	3.1	0	4.87	16
401430175	2013	9	20	15	V	2.4	0	4.44	16
401430175	2013	9	20	16	V	3.0	0	4.51	15
401430175	2013	9	20	17	V	4.4	0	3.81	14
401430175	2013	9	20	18	V	4.1	0	2.3	357
401430175	2013	9	20	19	V	2.2	0	1.84	358
401430175	2013	9	20	20	V	2.6	0	1.57	332
401430175	2013	9	20	21	V	2.1	0	1.54	331
401430175	2013	9	20	22	V	2.3	0	1.57	332
401430175	2013	9	20	23	V	2.4	0	1.65	334
401430175	2013	9	20	24	V	2.3	0	0.87	259
401430175	2013	9	21	1	V	2.8	0	0.6	258
401430175	2013	9	21	2	V	3.2	0	0.57	281
401430175	2013	9	21	3	C	-999	0	0	0
401430175	2013	9	21	4	C	-999	0	0	0
401430175	2013	9	21	5	C	-999	0	0	0
401430175	2013	9	21	6	C	-999	0	0	0
401430175	2013	9	21	7	C	-999	0	0	0
401430175	2013	9	21	8	V	6.5	0	0.72	75
401430175	2013	9	21	9	V	2.5	0	1.5	18
401430175	2013	9	21	10	V	4.7	0	2.84	45
401430175	2013	9	21	11	V	4.9	1	2.71	47
401430175	2013	9	21	12	V	4.6	1	2.84	44
401430175	2013	9	21	13	V	6.7	3	2.91	41
401430175	2013	9	21	14	V	3.5	3	3.03	26
401430175	2013	9	21	15	V	3.1	0	3.47	35
401430175	2013	9	21	16	V	3.3	1	3.13	25
401430175	2013	9	21	17	V	4.6	4	3.07	26
401430175	2013	9	21	18	V	4.1	3	2.27	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	21	19	V	2.3	1	1.69	1
401430175	2013	9	21	20	V	3.2	4	0.69	331
401430175	2013	9	21	21	V	2.5	2	0.8	341
401430175	2013	9	21	22	V	3.4	1	0.63	289
401430175	2013	9	21	23	V	2.9	0	0.74	268
401430175	2013	9	21	24	V	2.9	1	0.63	264
401430175	2013	9	22	1	V	12.3	0	0.55	235
401430175	2013	9	22	2	V	10.5	0	0.67	235
401430175	2013	9	22	3	V	2.8	0	0.62	253
401430175	2013	9	22	4	V	2.4	0	0.65	301
401430175	2013	9	22	5	C	-999	0	0	0
401430175	2013	9	22	6	V	10.4	0	0.53	239
401430175	2013	9	22	7	C	-999	0	0	0
401430175	2013	9	22	8	C	-999	1	0	0
401430175	2013	9	22	9	V	2.5	0	1.62	137
401430175	2013	9	22	10	V	2.2	0	3.24	144
401430175	2013	9	22	11	V	3.4	0	2.28	129
401430175	2013	9	22	12	V	4.4	1	2.03	162
401430175	2013	9	22	13	V	7.3	0	2.66	167
401430175	2013	9	22	14	V	4.3	2	2.83	152
401430175	2013	9	22	15	V	2.8	1	3.54	137
401430175	2013	9	22	16	V	4.3	0	3.13	151
401430175	2013	9	22	17	V	5.9	0	3.59	154
401430175	2013	9	22	18	V	4.2	0	3.59	150
401430175	2013	9	22	19	V	2.2	0	2.43	142
401430175	2013	9	22	20	V	2.6	0	1.84	142
401430175	2013	9	22	21	C	-999	0	0	0
401430175	2013	9	22	22	V	10.2	0	0.53	241
401430175	2013	9	22	23	V	13.9	1	0.7	231
401430175	2013	9	22	24	V	8.5	1	0.89	234
401430175	2013	9	23	1	V	4.6	1	1.47	205
401430175	2013	9	23	2	V	4.5	0	1.18	190
401430175	2013	9	23	3	V	4.4	0	1.25	183
401430175	2013	9	23	4	V	8.3	0	0.92	195
401430175	2013	9	23	5	V	18.5	0	0.63	224
401430175	2013	9	23	6	V	6.7	0	0.58	244
401430175	2013	9	23	7	V	13.9	0	1.14	222
401430175	2013	9	23	8	V	7.2	0	2.08	174
401430175	2013	9	23	9	V	5.8	1	4.12	170
401430175	2013	9	23	10	V	5.0	3	5.28	171
401430175	2013	9	23	11	V	5.2	5	4.78	165
401430175	2013	9	23	12	V	5.5	2	4.29	172
401430175	2013	9	23	13	V	8.1	3	4.87	171
401430175	2013	9	23	14	V	5.7	8	5.21	168
401430175	2013	9	23	15	V	5.2	7	5.04	169
401430175	2013	9	23	16	V	4.5	8	5.11	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	23	17	V	6.5	3	5.02	160
401430175	2013	9	23	18	V	9.9	14	3.68	172
401430175	2013	9	23	19	V	8.7	3	1.2	227
401430175	2013	9	23	20	V	18.9	0	0.67	216
401430175	2013	9	23	21	V	3.5	0	0.58	263
401430175	2013	9	23	22	V	10.5	0	1.06	210
401430175	2013	9	23	23	V	7.7	0	1.06	183
401430175	2013	9	23	24	V	17.3	7	0.86	215
401430175	2013	9	24	1	V	16.4	8	0.96	222
401430175	2013	9	24	2	V	9.0	11	1.11	204
401430175	2013	9	24	3	V	3.9	14	1.55	213
401430175	2013	9	24	4	V	4.1	2	1.94	229
401430175	2013	9	24	5	V	4.6	2	1.79	229
401430175	2013	9	24	6	V	3.4	2	2.33	232
401430175	2013	9	24	7	V	1.6	1	2.28	244
401430175	2013	9	24	8	V	3.1	1	1.62	270
401430175	2013	9	24	9	V	1.7	0	3.24	290
401430175	2013	9	24	10	V	1.7	0	3.03	295
401430175	2013	9	24	11	V	3.0	0	3.13	292
401430175	2013	9	24	12	V	2.9	0	3.71	305
401430175	2013	9	24	13	V	5.6	0	3.27	300
401430175	2013	9	24	14	V	3.3	-999	3.47	306
401430175	2013	9	24	15	V	2.6	-999	3.68	313
401430175	2013	9	24	16	V	3.2	-999	3.44	306
401430175	2013	9	24	17	V	4.5	-999	3.46	329
401430175	2013	9	24	18	V	4.1	0	2.62	339
401430175	2013	9	24	19	V	2.3	0	1.28	332
401430175	2013	9	24	20	V	2.8	0	0.92	306
401430175	2013	9	24	21	V	2.9	0	0.67	308
401430175	2013	9	24	22	V	3.2	0	0.63	267
401430175	2013	9	24	23	V	13.0	0	0.62	234
401430175	2013	9	24	24	V	4.2	0	0.53	260
401430175	2013	9	25	1	V	4.2	0	0.57	251
401430175	2013	9	25	2	V	4.7	0	0.77	242
401430175	2013	9	25	3	C	-999	0	0	0
401430175	2013	9	25	4	V	7.8	0	0.58	242
401430175	2013	9	25	5	V	2.3	0	0.79	255
401430175	2013	9	25	6	V	2.0	0	0.77	279
401430175	2013	9	25	7	C	-999	0	0	0
401430175	2013	9	25	8	V	5.8	0	0.69	359
401430175	2013	9	25	9	V	2.6	0	1.28	318
401430175	2013	9	25	10	V	2.8	0	1.25	299
401430175	2013	9	25	11	V	3.7	0	1.47	329
401430175	2013	9	25	12	V	3.7	2	1.6	317
401430175	2013	9	25	13	V	6.5	0	1.47	333
401430175	2013	9	25	14	V	4.2	1	1.45	79

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	25	15	V	3.5	5	1.55	97
401430175	2013	9	25	16	V	3.6	3	2.13	91
401430175	2013	9	25	17	V	4.7	0	2.76	131
401430175	2013	9	25	18	V	4.1	0	3.12	120
401430175	2013	9	25	19	V	2.3	0	1.43	137
401430175	2013	9	25	20	C	-999	0	0	0
401430175	2013	9	25	21	V	4.4	1	0.57	143
401430175	2013	9	25	22	V	14.7	4	0.55	194
401430175	2013	9	25	23	C	-999	1	0	0
401430175	2013	9	25	24	V	2.9	2	0.65	285
401430175	2013	9	26	1	V	9.0	1	1.01	231
401430175	2013	9	26	2	V	7.2	0	1.26	205
401430175	2013	9	26	3	V	2.0	0	1.57	190
401430175	2013	9	26	4	V	4.2	0	1.6	208
401430175	2013	9	26	5	V	9.1	0	1.54	174
401430175	2013	9	26	6	V	5.7	0	1.35	204
401430175	2013	9	26	7	V	7.7	0	1.67	169
401430175	2013	9	26	8	V	4.0	0	2.91	155
401430175	2013	9	26	9	V	4.3	0	4.19	166
401430175	2013	9	26	10	V	5.2	8	4.88	173
401430175	2013	9	26	11	V	5.4	1	5.27	166
401430175	2013	9	26	12	V	5.4	1	5.5	167
401430175	2013	9	26	13	V	7.6	1	4.85	165
401430175	2013	9	26	14	V	5.3	1	5.22	164
401430175	2013	9	26	15	V	4.5	1	5.05	162
401430175	2013	9	26	16	V	5.1	1	5.05	160
401430175	2013	9	26	17	V	7.3	1	5.46	164
401430175	2013	9	26	18	V	4.1	1	4.77	149
401430175	2013	9	26	19	V	2.2	1	3.75	139
401430175	2013	9	26	20	V	2.6	1	3.86	142
401430175	2013	9	26	21	V	2.1	0	4.39	143
401430175	2013	9	26	22	V	2.3	0	3.83	148
401430175	2013	9	26	23	V	2.5	0	3.2	152
401430175	2013	9	26	24	V	5.2	0	2.52	168
401430175	2013	9	27	1	V	4.6	0	2.96	175
401430175	2013	9	27	2	V	5.3	0	2.93	172
401430175	2013	9	27	3	V	2.5	0	2.72	181
401430175	2013	9	27	4	V	7.3	2	1.72	169
401430175	2013	9	27	5	V	1.8	0	1.7	150
401430175	2013	9	27	6	V	1.7	0	1.67	155
401430175	2013	9	27	7	V	1.5	0	2.35	142
401430175	2013	9	27	8	V	3.1	0	2.86	147
401430175	2013	9	27	9	V	3.1	0	4.95	159
401430175	2013	9	27	10	V	3.8	0	5.34	162
401430175	2013	9	27	11	V	5.5	1	5.04	168
401430175	2013	9	27	12	V	5.8	3	6.26	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	27	13	V	7.7	6	6.41	164
401430175	2013	9	27	14	V	5.5	4	6.19	165
401430175	2013	9	27	15	V	4.5	13	6.65	162
401430175	2013	9	27	16	V	5.3	9	6.52	162
401430175	2013	9	27	17	V	7.0	7	6.35	163
401430175	2013	9	27	18	V	7.0	2	5.16	163
401430175	2013	9	27	19	V	3.4	0	4.49	159
401430175	2013	9	27	20	V	4.6	1	4.49	163
401430175	2013	9	27	21	V	3.9	1	4.56	161
401430175	2013	9	27	22	V	4.3	1	5.16	162
401430175	2013	9	27	23	V	3.8	0	4.9	160
401430175	2013	9	27	24	V	3.3	0	4.78	160
401430175	2013	9	28	1	V	3.8	0	4.26	166
401430175	2013	9	28	2	V	4.7	0	3.98	169
401430175	2013	9	28	3	V	4.3	0	4.63	167
401430175	2013	9	28	4	V	4.7	3	4.05	168
401430175	2013	9	28	5	V	2.8	1	3.29	158
401430175	2013	9	28	6	V	4.6	5	4.29	167
401430175	2013	9	28	7	V	5.5	31	5.24	169
401430175	2013	9	28	8	V	8.3	37	5.56	172
401430175	2013	9	28	9	V	10.1	8	4.36	216
401430175	2013	9	28	10	V	1.7	0	2.16	17
401430175	2013	9	28	11	V	3.7	0	1.04	333
401430175	2013	9	28	12	V	3.3	0	1.52	330
401430175	2013	9	28	13	V	5.4	0	3.71	312
401430175	2013	9	28	14	V	3.1	0	2.95	336
401430175	2013	9	28	15	V	2.4	0	2.55	345
401430175	2013	9	28	16	V	3.0	0	3.1	351
401430175	2013	9	28	17	V	4.3	0	2.38	351
401430175	2013	9	28	18	V	4.1	0	1.48	11
401430175	2013	9	28	19	V	2.4	0	1.04	27
401430175	2013	9	28	20	C	-999	0	0	0
401430175	2013	9	28	21	V	2.3	0	0.91	321
401430175	2013	9	28	22	V	3.8	0	0.57	269
401430175	2013	9	28	23	V	2.6	0	0.94	286
401430175	2013	9	28	24	V	2.4	0	0.79	274
401430175	2013	9	29	1	V	2.0	0	0.69	281
401430175	2013	9	29	2	V	2.2	0	0.69	272
401430175	2013	9	29	3	V	6.6	0	1.03	233
401430175	2013	9	29	4	C	-999	0	0	0
401430175	2013	9	29	5	C	-999	0	0	0
401430175	2013	9	29	6	V	1.6	0	1.09	1
401430175	2013	9	29	7	V	2.2	0	0.7	1
401430175	2013	9	29	8	V	3.5	0	0.79	323
401430175	2013	9	29	9	V	2.1	0	1.93	18
401430175	2013	9	29	10	V	1.7	0	2.76	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	9	29	11	V	2.8	0	3.85	23
401430175	2013	9	29	12	V	2.9	0	3.35	14
401430175	2013	9	29	13	V	5.6	0	2.91	19
401430175	2013	9	29	14	V	3.3	0	2.64	357
401430175	2013	9	29	15	V	2.7	0	2.47	18
401430175	2013	9	29	16	V	3.3	0	2.45	13
401430175	2013	9	29	17	V	4.6	0	2.25	17
401430175	2013	9	29	18	V	4.1	1	1.82	10
401430175	2013	9	29	19	V	2.3	3	1.25	1
401430175	2013	9	29	20	V	3.0	0	0.82	320
401430175	2013	9	29	21	V	5.1	0	0.6	249
401430175	2013	9	29	22	C	-999	0	0	0
401430175	2013	9	29	23	V	9.7	0	0.53	242
401430175	2013	9	29	24	V	3.6	0	0.57	284
401430175	2013	9	30	1	V	2.3	0	0.62	321
401430175	2013	9	30	2	V	3.2	0	0.62	254
401430175	2013	9	30	3	V	3.5	0	0.52	287
401430175	2013	9	30	4	V	3.9	0	0.53	334
401430175	2013	9	30	5	V	2.7	0	0.65	270
401430175	2013	9	30	6	V	1.5	0	1.53	297
401430175	2013	9	30	7	V	3.8	0	0.58	253
401430175	2013	9	30	8	C	-999	1	0	0
401430175	2013	9	30	9	V	7.4	3	0.67	179
401430175	2013	9	30	10	V	3.5	1	1.26	162
401430175	2013	9	30	11	V	4.6	0	2.57	160
401430175	2013	9	30	12	V	4.8	0	2.44	166
401430175	2013	9	30	13	V	7.4	1	2.5	168
401430175	2013	9	30	14	V	5.2	0	3.68	165
401430175	2013	9	30	15	V	4.8	1	3.91	167
401430175	2013	9	30	16	V	6.3	2	4.27	173
401430175	2013	9	30	17	V	7.3	1	4	163
401430175	2013	9	30	18	V	7.6	1	2.95	165
401430175	2013	9	30	19	V	10.1	0	0.77	197
401430175	2013	9	30	20	V	11.2	0	0.63	235
401430175	2013	9	30	21	V	11.7	0	0.74	233
401430175	2013	9	30	22	V	3.7	0	0.63	254
401430175	2013	9	30	23	V	2.8	0	0.84	252
401430175	2013	9	30	24	V	12.9	0	0.92	205
401430175	2013	10	1	1	V	3.7	0	1.23	190
401430175	2013	10	1	2	V	6.3	2	1.64	177
401430175	2013	10	1	3	C	-999	1	0	0
401430175	2013	10	1	4	V	10.9	0	0.74	165
401430175	2013	10	1	5	V	14.3	0	0.86	208
401430175	2013	10	1	6	V	9.8	0	1.04	211
401430175	2013	10	1	7	V	11.0	0	1.28	173
401430175	2013	10	1	8	V	5.5	0	1.55	160

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	1	9	V	4.3	0	2.18	161
401430175	2013	10	1	10	V	5.4	13	4.34	174
401430175	2013	10	1	11	V	5.8	23	5.31	175
401430175	2013	10	1	12	V	6.6	14	5.41	174
401430175	2013	10	1	13	V	8.8	4	4.85	168
401430175	2013	10	1	14	V	6.5	4	4.42	169
401430175	2013	10	1	15	V	4.6	8	4.66	161
401430175	2013	10	1	16	V	6.2	7	4.48	165
401430175	2013	10	1	17	V	8.9	8	3.97	175
401430175	2013	10	1	18	V	7.0	19	3.34	166
401430175	2013	10	1	19	V	2.2	0	2.54	145
401430175	2013	10	1	20	V	2.6	0	2.91	149
401430175	2013	10	1	21	V	2.0	0	2.16	152
401430175	2013	10	1	22	V	3.4	0	2.23	162
401430175	2013	10	1	23	V	4.7	0	2.18	178
401430175	2013	10	1	24	V	2.4	4	1.57	157
401430175	2013	10	2	1	V	1.3	2	1.57	130
401430175	2013	10	2	2	V	1.6	0	1.52	144
401430175	2013	10	2	3	V	8.7	0	0.57	161
401430175	2013	10	2	4	C	-999	0	0	0
401430175	2013	10	2	5	V	1.9	0	1.6	155
401430175	2013	10	2	6	V	1.5	0	2.2	147
401430175	2013	10	2	7	V	5.4	3	2.35	167
401430175	2013	10	2	8	V	6.7	10	2.44	167
401430175	2013	10	2	9	V	5.5	13	3.1	170
401430175	2013	10	2	10	V	6.0	12	4.17	170
401430175	2013	10	2	11	V	5.7	10	4.65	185
401430175	2013	10	2	12	V	5.8	15	4.9	182
401430175	2013	10	2	13	V	8.7	17	5.41	179
401430175	2013	10	2	14	V	6.5	15	6.01	177
401430175	2013	10	2	15	V	6.0	17	5.79	176
401430175	2013	10	2	16	V	6.9	18	5.97	175
401430175	2013	10	2	17	V	8.6	12	5.04	169
401430175	2013	10	2	18	V	7.4	9	3.97	169
401430175	2013	10	2	19	V	2.9	1	2.44	160
401430175	2013	10	2	20	V	2.6	0	3.18	150
401430175	2013	10	2	21	V	3.1	0	3.63	159
401430175	2013	10	2	22	V	4.9	0	3.88	168
401430175	2013	10	2	23	V	4.8	1	4.09	166
401430175	2013	10	2	24	V	4.5	0	3.61	167
401430175	2013	10	3	1	V	4.3	2	2.93	176
401430175	2013	10	3	2	V	4.8	0	3.52	170
401430175	2013	10	3	3	V	3.9	1	3	176
401430175	2013	10	3	4	V	4.2	9	2.59	176
401430175	2013	10	3	5	V	5.2	3	2.66	170
401430175	2013	10	3	6	V	4.4	2	2.93	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	3	7	V	4.7	19	3.52	171
401430175	2013	10	3	8	V	6.6	31	4.61	176
401430175	2013	10	3	9	V	3.9	15	5.45	185
401430175	2013	10	3	10	V	4.1	17	5.7	182
401430175	2013	10	3	11	V	5.0	31	6.86	186
401430175	2013	10	3	12	V	6.3	22	6.79	176
401430175	2013	10	3	13	V	9.1	-999	6.4	172
401430175	2013	10	3	14	V	6.6	36	6.72	176
401430175	2013	10	3	15	V	6.2	33	6.5	172
401430175	2013	10	3	16	V	6.6	17	6.81	168
401430175	2013	10	3	17	V	8.3	12	6.55	168
401430175	2013	10	3	18	V	7.9	1	5.77	167
401430175	2013	10	3	19	V	5.6	1	4.88	169
401430175	2013	10	3	20	V	5.1	1	4.73	165
401430175	2013	10	3	21	V	4.7	0	4.1	167
401430175	2013	10	3	22	V	4.5	0	3.83	166
401430175	2013	10	3	23	V	5.2	0	3.41	167
401430175	2013	10	3	24	V	4.8	0	4.05	169
401430175	2013	10	4	1	V	3.2	0	4.09	164
401430175	2013	10	4	2	V	3.9	4	4	166
401430175	2013	10	4	3	V	3.7	13	4.46	167
401430175	2013	10	4	4	V	4.2	19	4.42	167
401430175	2013	10	4	5	V	4.6	18	4.31	168
401430175	2013	10	4	6	V	4.2	29	4.1	175
401430175	2013	10	4	7	V	4.4	28	3.98	171
401430175	2013	10	4	8	V	6.1	32	4.51	178
401430175	2013	10	4	9	V	3.7	5	6.36	187
401430175	2013	10	4	10	V	3.6	7	7.49	186
401430175	2013	10	4	11	V	5.2	8	6.99	189
401430175	2013	10	4	12	V	4.9	10	8.34	188
401430175	2013	10	4	13	V	7.6	21	7.55	184
401430175	2013	10	4	14	V	5.3	18	7.96	188
401430175	2013	10	4	15	V	4.9	13	6.67	183
401430175	2013	10	4	16	V	6.2	26	6.6	179
401430175	2013	10	4	17	V	8.4	29	6.4	176
401430175	2013	10	4	18	V	5.8	14	5.78	161
401430175	2013	10	4	19	V	4.3	0	3.88	164
401430175	2013	10	4	20	V	2.7	1	4.46	148
401430175	2013	10	4	21	V	2.5	1	4.36	155
401430175	2013	10	4	22	V	5.2	10	3.35	176
401430175	2013	10	4	23	V	4.1	13	1.74	181
401430175	2013	10	4	24	V	2.0	1	2.81	152
401430175	2013	10	5	1	V	1.3	0	3.3	293
401430175	2013	10	5	2	V	1.6	0	1.69	318
401430175	2013	10	5	3	V	1.0	0	3.81	338
401430175	2013	10	5	4	V	1.6	0	4.53	344

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	5	5	V	1.8	0	3.98	346
401430175	2013	10	5	6	V	1.5	0	2.66	340
401430175	2013	10	5	7	V	1.5	0	2.44	337
401430175	2013	10	5	8	V	2.7	0	2.35	335
401430175	2013	10	5	9	V	1.6	0	3	332
401430175	2013	10	5	10	V	1.6	0	2.5	344
401430175	2013	10	5	11	V	2.7	0	3.22	337
401430175	2013	10	5	12	V	2.9	0	3.07	333
401430175	2013	10	5	13	V	5.5	0	2.79	328
401430175	2013	10	5	14	V	3.1	0	2.91	322
401430175	2013	10	5	15	V	2.4	0	2.59	320
401430175	2013	10	5	16	V	3.0	0	2.91	317
401430175	2013	10	5	17	V	4.4	0	2.2	291
401430175	2013	10	5	18	V	4.0	0	1.55	297
401430175	2013	10	5	19	V	2.5	0	0.91	253
401430175	2013	10	5	20	V	2.8	0	0.97	267
401430175	2013	10	5	21	V	2.1	0	1.48	255
401430175	2013	10	5	22	V	2.3	0	1.42	247
401430175	2013	10	5	23	C	-999	0	0	0
401430175	2013	10	5	24	V	19.1	0	0.53	206
401430175	2013	10	6	1	V	1.5	0	0.94	264
401430175	2013	10	6	2	V	1.6	0	1.11	262
401430175	2013	10	6	3	V	1.0	0	1.33	269
401430175	2013	10	6	4	V	1.6	0	1.11	261
401430175	2013	10	6	5	V	1.8	0	1.35	256
401430175	2013	10	6	6	V	1.5	0	1.33	280
401430175	2013	10	6	7	V	7.6	0	0.91	234
401430175	2013	10	6	8	V	3.0	0	1.45	272
401430175	2013	10	6	9	V	1.6	0	3.35	314
401430175	2013	10	6	10	V	1.6	0	3.69	313
401430175	2013	10	6	11	V	2.8	0	4	307
401430175	2013	10	6	12	V	2.8	0	3.64	300
401430175	2013	10	6	13	V	5.4	0	3.85	301
401430175	2013	10	6	14	V	3.1	0	3.66	292
401430175	2013	10	6	15	V	2.4	0	3.73	291
401430175	2013	10	6	16	V	3.0	0	3.49	298
401430175	2013	10	6	17	V	4.3	0	2.78	293
401430175	2013	10	6	18	V	4.0	0	1.64	293
401430175	2013	10	6	19	V	2.4	0	0.94	255
401430175	2013	10	6	20	V	3.0	0	0.8	276
401430175	2013	10	6	21	C	-999	0	0	0
401430175	2013	10	6	22	V	4.3	0	0.53	289
401430175	2013	10	6	23	V	2.5	0	1.01	253
401430175	2013	10	6	24	V	11.1	0	0.6	165
401430175	2013	10	7	1	V	1.5	0	0.89	322
401430175	2013	10	7	2	V	14.3	0	1.09	220

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	7	3	V	3.4	0	0.69	246
401430175	2013	10	7	4	C	-999	0	0	0
401430175	2013	10	7	5	C	-999	0	0	0
401430175	2013	10	7	6	V	15.0	0	0.58	230
401430175	2013	10	7	7	V	11.8	0	0.62	234
401430175	2013	10	7	8	V	3.7	0	0.82	25
401430175	2013	10	7	9	V	2.1	0	1.5	348
401430175	2013	10	7	10	V	1.7	0	2.25	9
401430175	2013	10	7	11	V	3.1	0	1.82	5
401430175	2013	10	7	12	V	3.1	0	2.06	14
401430175	2013	10	7	13	V	5.9	0	2.72	33
401430175	2013	10	7	14	V	3.9	0	1.86	53
401430175	2013	10	7	15	V	3.3	0	1.6	42
401430175	2013	10	7	16	V	3.8	0	1.5	33
401430175	2013	10	7	17	V	5.2	0	1.06	40
401430175	2013	10	7	18	C	-999	0	0	0
401430175	2013	10	7	19	V	2.9	0	0.7	280
401430175	2013	10	7	20	V	4.7	0	0.53	272
401430175	2013	10	7	21	V	3.3	0	0.62	259
401430175	2013	10	7	22	V	5.6	0	0.53	252
401430175	2013	10	7	23	C	-999	0	0	0
401430175	2013	10	7	24	C	-999	0	0	0
401430175	2013	10	8	1	C	-999	0	0	0
401430175	2013	10	8	2	C	-999	0	0	0
401430175	2013	10	8	3	C	-999	0	0	0
401430175	2013	10	8	4	C	-999	0	0	0
401430175	2013	10	8	5	V	8.7	0	0.65	238
401430175	2013	10	8	6	V	2.2	0	0.8	250
401430175	2013	10	8	7	C	-999	0	0	0
401430175	2013	10	8	8	V	9.8	0	1.04	205
401430175	2013	10	8	9	V	3.1	4	2.74	156
401430175	2013	10	8	10	V	4.0	4	4.37	164
401430175	2013	10	8	11	V	6.1	0	5.44	166
401430175	2013	10	8	12	V	5.8	1	4.71	165
401430175	2013	10	8	13	V	8.9	4	4.44	169
401430175	2013	10	8	14	V	6.2	3	4.41	166
401430175	2013	10	8	15	V	5.8	2	4.25	168
401430175	2013	10	8	16	V	3.3	0	4.46	150
401430175	2013	10	8	17	V	5.6	0	4.17	157
401430175	2013	10	8	18	V	4.3	0	3.1	153
401430175	2013	10	8	19	V	2.2	0	2.28	135
401430175	2013	10	8	20	V	2.6	0	2.44	139
401430175	2013	10	8	21	V	2.0	0	2.13	141
401430175	2013	10	8	22	V	2.2	0	1.76	146
401430175	2013	10	8	23	V	5.0	0	1.2	189
401430175	2013	10	8	24	V	3.4	0	1.62	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	9	1	V	6.0	0	1.93	169
401430175	2013	10	9	2	V	3.1	0	1.35	189
401430175	2013	10	9	3	V	2.5	0	1.88	213
401430175	2013	10	9	4	V	2.9	0	1.52	193
401430175	2013	10	9	5	V	3.8	0	0.63	250
401430175	2013	10	9	6	V	9.6	0	0.75	187
401430175	2013	10	9	7	V	8.5	0	0.6	240
401430175	2013	10	9	8	V	6.8	0	1.13	170
401430175	2013	10	9	9	V	4.2	0	3.13	163
401430175	2013	10	9	10	V	4.5	-999	4.82	168
401430175	2013	10	9	11	V	6.6	16	4.54	168
401430175	2013	10	9	12	V	6.1	9	4.34	181
401430175	2013	10	9	13	V	8.8	8	3.97	180
401430175	2013	10	9	14	V	6.3	4	3.64	167
401430175	2013	10	9	15	V	4.9	2	3.81	162
401430175	2013	10	9	16	V	4.9	1	3.97	159
401430175	2013	10	9	17	V	4.6	1	3.86	151
401430175	2013	10	9	18	V	4.1	1	3.25	145
401430175	2013	10	9	19	V	2.2	1	2.1	147
401430175	2013	10	9	20	V	2.6	0	2.74	139
401430175	2013	10	9	21	V	2.1	0	1.82	151
401430175	2013	10	9	22	V	2.7	0	1.2	153
401430175	2013	10	9	23	V	7.1	0	1.26	202
401430175	2013	10	9	24	V	17.7	0	0.84	222
401430175	2013	10	10	1	C	-999	0	0	0
401430175	2013	10	10	2	C	-999	0	0	0
401430175	2013	10	10	3	V	6.4	0	0.57	156
401430175	2013	10	10	4	C	-999	0	0	0
401430175	2013	10	10	5	V	3.0	1	0.65	86
401430175	2013	10	10	6	V	1.7	0	1.62	155
401430175	2013	10	10	7	V	11.6	0	0.63	189
401430175	2013	10	10	8	V	7.5	0	1.21	184
401430175	2013	10	10	9	V	5.1	0	3.04	171
401430175	2013	10	10	10	V	4.0	2	3.72	164
401430175	2013	10	10	11	V	6.8	9	4.85	175
401430175	2013	10	10	12	V	6.3	15	5.27	177
401430175	2013	10	10	13	V	8.9	5	4.77	170
401430175	2013	10	10	14	V	6.7	3	5.9	172
401430175	2013	10	10	15	V	4.8	3	5.89	163
401430175	2013	10	10	16	V	5.0	2	5.77	161
401430175	2013	10	10	17	V	7.7	0	5.62	165
401430175	2013	10	10	18	V	6.4	0	4.54	164
401430175	2013	10	10	19	V	2.8	0	3.34	157
401430175	2013	10	10	20	V	3.5	0	3.27	159
401430175	2013	10	10	21	V	2.4	0	3.03	156
401430175	2013	10	10	22	V	4.6	2	4.12	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	10	23	V	5.1	2	4.9	166
401430175	2013	10	10	24	V	5.2	3	4.76	172
401430175	2013	10	11	1	V	3.8	1	3.81	174
401430175	2013	10	11	2	V	4.7	4	3.17	175
401430175	2013	10	11	3	V	5.1	0	2.35	172
401430175	2013	10	11	4	V	5.6	4	1.76	177
401430175	2013	10	11	5	V	6.2	1	2.08	174
401430175	2013	10	11	6	V	4.7	1	3.42	169
401430175	2013	10	11	7	V	4.3	1	3.97	171
401430175	2013	10	11	8	V	6.2	18	3.49	166
401430175	2013	10	11	9	V	4.9	32	4.93	178
401430175	2013	10	11	10	V	3.8	24	5.99	187
401430175	2013	10	11	11	V	5.1	23	7.38	191
401430175	2013	10	11	12	V	5.1	12	7.01	189
401430175	2013	10	11	13	V	7.6	16	6.07	189
401430175	2013	10	11	14	V	5.7	9	5.97	191
401430175	2013	10	11	15	V	4.7	20	6.4	184
401430175	2013	10	11	16	V	6.9	18	5.97	176
401430175	2013	10	11	17	V	9.1	28	5.58	174
401430175	2013	10	11	18	V	7.4	42	4.54	171
401430175	2013	10	11	19	V	3.9	1	4.17	162
401430175	2013	10	11	20	V	3.8	0	4.27	160
401430175	2013	10	11	21	V	5.3	0	3.34	169
401430175	2013	10	11	22	V	5.7	3	3.32	171
401430175	2013	10	11	23	V	6.1	21	2.59	169
401430175	2013	10	11	24	V	2.1	23	1.79	156
401430175	2013	10	12	1	V	1.4	32	1.54	154
401430175	2013	10	12	2	V	10.8	12	0.86	180
401430175	2013	10	12	3	V	1.9	22	1.59	186
401430175	2013	10	12	4	V	1.5	1	2.2	307
401430175	2013	10	12	5	V	1.8	0	4.17	354
401430175	2013	10	12	6	V	1.5	0	4.36	7
401430175	2013	10	12	7	V	1.7	0	6.26	17
401430175	2013	10	12	8	V	2.7	0	4.56	18
401430175	2013	10	12	9	V	1.6	0	3.78	9
401430175	2013	10	12	10	V	1.5	0	5.16	20
401430175	2013	10	12	11	V	2.8	0	5.73	34
401430175	2013	10	12	12	V	2.8	0	5.67	29
401430175	2013	10	12	13	V	5.3	0	6.35	31
401430175	2013	10	12	14	V	3.0	1	5.55	31
401430175	2013	10	12	15	V	2.3	1	5.48	25
401430175	2013	10	12	16	V	2.9	1	5.33	22
401430175	2013	10	12	17	V	4.2	2	5.38	22
401430175	2013	10	12	18	V	4.1	3	3.92	25
401430175	2013	10	12	19	V	2.2	0	2.59	22
401430175	2013	10	12	20	V	2.6	0	2.42	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	12	21	V	2.1	0	3.01	28
401430175	2013	10	12	22	V	2.2	0	3.2	30
401430175	2013	10	12	23	V	2.4	0	3.92	33
401430175	2013	10	12	24	V	1.9	0	3.37	24
401430175	2013	10	13	1	V	1.2	0	2.98	21
401430175	2013	10	13	2	V	1.6	0	3.06	22
401430175	2013	10	13	3	V	1.0	0	2.96	23
401430175	2013	10	13	4	V	2.8	0	3.64	47
401430175	2013	10	13	5	V	1.9	0	4.14	53
401430175	2013	10	13	6	V	3.1	0	4.29	46
401430175	2013	10	13	7	V	2.5	0	3.61	39
401430175	2013	10	13	8	V	4.4	0	3.76	47
401430175	2013	10	13	9	V	2.0	0	3.44	55
401430175	2013	10	13	10	V	1.6	1	3.78	60
401430175	2013	10	13	11	V	2.8	0	3.66	69
401430175	2013	10	13	12	V	2.8	1	3.41	86
401430175	2013	10	13	13	V	5.4	1	3.27	75
401430175	2013	10	13	14	V	3.0	0	3.3	81
401430175	2013	10	13	15	V	2.3	0	2.76	83
401430175	2013	10	13	16	V	3.0	0	3.29	83
401430175	2013	10	13	17	V	4.3	0	2.98	83
401430175	2013	10	13	18	V	4.1	0	2.54	63
401430175	2013	10	13	19	V	2.4	0	3.64	53
401430175	2013	10	13	20	V	2.6	0	3.25	67
401430175	2013	10	13	21	V	2.0	0	3.32	71
401430175	2013	10	13	22	V	2.2	0	1.89	89
401430175	2013	10	13	23	V	2.3	0	2.42	73
401430175	2013	10	13	24	V	1.9	0	2.42	97
401430175	2013	10	14	1	V	1.2	0	2.69	113
401430175	2013	10	14	2	V	1.5	0	3.51	124
401430175	2013	10	14	3	V	1.0	0	4.17	130
401430175	2013	10	14	4	V	1.5	0	4.73	130
401430175	2013	10	14	5	V	1.7	0	3.68	131
401430175	2013	10	14	6	V	1.5	0	2.98	127
401430175	2013	10	14	7	V	1.5	0	3.46	133
401430175	2013	10	14	8	V	2.7	0	2.72	133
401430175	2013	10	14	9	V	1.6	0	3.08	139
401430175	2013	10	14	10	V	1.5	0	3.29	133
401430175	2013	10	14	11	V	2.7	0	3.1	137
401430175	2013	10	14	12	V	2.8	0	2.81	140
401430175	2013	10	14	13	V	5.4	0	3.3	143
401430175	2013	10	14	14	V	3.4	0	3.47	152
401430175	2013	10	14	15	V	2.3	-999	3.97	136
401430175	2013	10	14	16	V	2.9	0	3.8	141
401430175	2013	10	14	17	V	6.6	0	3.92	162
401430175	2013	10	14	18	V	7.0	0	4.63	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	14	19	V	4.2	0	4.63	162
401430175	2013	10	14	20	V	5.4	0	4.34	166
401430175	2013	10	14	21	V	5.4	0	4.83	168
401430175	2013	10	14	22	V	5.8	7	4.85	170
401430175	2013	10	14	23	V	5.9	6	5.31	168
401430175	2013	10	14	24	V	5.5	16	4.75	171
401430175	2013	10	15	1	V	4.8	15	4.83	170
401430175	2013	10	15	2	V	2.4	8	3.86	191
401430175	2013	10	15	3	V	3.4	1	1.93	229
401430175	2013	10	15	4	V	1.5	0	1.88	299
401430175	2013	10	15	5	V	1.8	0	3.56	354
401430175	2013	10	15	6	V	1.5	0	2.84	339
401430175	2013	10	15	7	V	1.5	0	3.44	342
401430175	2013	10	15	8	V	2.7	0	3.64	341
401430175	2013	10	15	9	V	1.6	0	4.17	353
401430175	2013	10	15	10	V	1.5	0	4.24	357
401430175	2013	10	15	11	V	2.8	0	3.97	348
401430175	2013	10	15	12	V	2.8	0	3.54	338
401430175	2013	10	15	13	V	5.4	0	3	337
401430175	2013	10	15	14	V	3.1	0	3.1	348
401430175	2013	10	15	15	V	2.4	0	3.22	356
401430175	2013	10	15	16	V	3.0	0	2.61	347
401430175	2013	10	15	17	V	4.4	0	2.04	346
401430175	2013	10	15	18	V	4.3	0	0.8	330
401430175	2013	10	15	19	V	3.0	0	0.57	306
401430175	2013	10	15	20	V	3.1	0	0.72	280
401430175	2013	10	15	21	V	2.5	0	0.8	284
401430175	2013	10	15	22	V	2.3	0	1.4	343
401430175	2013	10	15	23	V	2.3	0	1.88	338
401430175	2013	10	15	24	V	1.9	0	3.29	348
401430175	2013	10	16	1	V	1.2	0	3.73	359
401430175	2013	10	16	2	V	1.6	0	4.19	9
401430175	2013	10	16	3	V	1.0	0	3.88	9
401430175	2013	10	16	4	V	1.5	0	3.58	9
401430175	2013	10	16	5	V	1.7	0	2.62	8
401430175	2013	10	16	6	V	1.5	0	1.98	353
401430175	2013	10	16	7	V	1.5	0	1.77	339
401430175	2013	10	16	8	V	2.8	0	2.3	352
401430175	2013	10	16	9	V	1.6	0	4.03	14
401430175	2013	10	16	10	V	1.5	0	4.27	23
401430175	2013	10	16	11	V	2.8	0	3.44	23
401430175	2013	10	16	12	V	2.8	0	3.66	18
401430175	2013	10	16	13	V	5.4	0	3.59	25
401430175	2013	10	16	14	V	3.1	0	3.08	14
401430175	2013	10	16	15	V	2.5	0	2.23	347
401430175	2013	10	16	16	V	3.0	0	2.42	339

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	16	17	V	4.2	0	2.79	332
401430175	2013	10	16	18	V	4.1	0	3.22	313
401430175	2013	10	16	19	V	2.3	0	2.74	325
401430175	2013	10	16	20	V	2.6	0	1.7	331
401430175	2013	10	16	21	V	2.2	0	1.09	299
401430175	2013	10	16	22	V	2.6	0	1.28	241
401430175	2013	10	16	23	V	2.4	0	1.31	270
401430175	2013	10	16	24	V	2.1	0	0.94	272
401430175	2013	10	17	1	V	1.9	0	0.7	279
401430175	2013	10	17	2	V	2.8	0	0.7	251
401430175	2013	10	17	3	V	8.4	0	0.75	235
401430175	2013	10	17	4	C	-999	0	0	0
401430175	2013	10	17	5	V	5.9	0	0.63	244
401430175	2013	10	17	6	V	8.1	0	1.06	201
401430175	2013	10	17	7	C	-999	0	0	0
401430175	2013	10	17	8	V	7.8	0	0.79	191
401430175	2013	10	17	9	V	10.3	0	1.43	206
401430175	2013	10	17	10	V	8.0	0	1.98	215
401430175	2013	10	17	11	V	8.5	0	2.84	203
401430175	2013	10	17	12	V	10.1	0	2.67	211
401430175	2013	10	17	13	V	11.6	0	2.64	202
401430175	2013	10	17	14	V	9.4	0	2.79	222
401430175	2013	10	17	15	V	9.5	0	3.01	214
401430175	2013	10	17	16	V	10.4	0	2.67	219
401430175	2013	10	17	17	V	12.7	0	2.37	211
401430175	2013	10	17	18	V	10.7	0	0.91	231
401430175	2013	10	17	19	V	2.5	0	0.77	286
401430175	2013	10	17	20	V	4.0	0	0.57	283
401430175	2013	10	17	21	C	-999	0	0	0
401430175	2013	10	17	22	V	4.2	0	0.53	267
401430175	2013	10	17	23	V	4.0	0	0.57	261
401430175	2013	10	17	24	C	-999	0	0	0
401430175	2013	10	18	1	C	-999	0	0	0
401430175	2013	10	18	2	V	1.9	0	0.82	272
401430175	2013	10	18	3	V	1.0	0	3.71	4
401430175	2013	10	18	4	V	1.6	0	5.05	19
401430175	2013	10	18	5	V	1.7	0	3.18	19
401430175	2013	10	18	6	V	1.5	0	3.03	21
401430175	2013	10	18	7	V	1.5	0	3.3	25
401430175	2013	10	18	8	V	2.9	0	3.85	33
401430175	2013	10	18	9	V	2.6	0	4.82	40
401430175	2013	10	18	10	V	1.7	0	4.85	34
401430175	2013	10	18	11	V	3.9	0	4.19	39
401430175	2013	10	18	12	V	2.8	1	3.59	22
401430175	2013	10	18	13	V	5.3	0	3.64	7
401430175	2013	10	18	14	V	3.0	0	4.87	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	18	15	V	2.3	0	4.17	12
401430175	2013	10	18	16	V	2.9	0	5.12	360
401430175	2013	10	18	17	V	4.2	0	4.32	2
401430175	2013	10	18	18	V	4.2	0	5.14	7
401430175	2013	10	18	19	V	2.3	0	3.91	359
401430175	2013	10	18	20	V	2.6	0	2.9	348
401430175	2013	10	18	21	V	2.1	0	3.25	342
401430175	2013	10	18	22	V	2.3	0	2.74	341
401430175	2013	10	18	23	V	2.4	0	2.55	329
401430175	2013	10	18	24	V	1.9	0	2.95	336
401430175	2013	10	19	1	V	1.3	0	2.49	330
401430175	2013	10	19	2	V	1.6	0	1.31	296
401430175	2013	10	19	3	V	1.1	0	1.01	260
401430175	2013	10	19	4	V	6.1	0	0.86	237
401430175	2013	10	19	5	V	7.5	0	0.72	238
401430175	2013	10	19	6	V	12.7	0	0.99	213
401430175	2013	10	19	7	V	4.1	0	0.84	241
401430175	2013	10	19	8	V	9.6	0	1.47	231
401430175	2013	10	19	9	V	7.3	0	2.25	226
401430175	2013	10	19	10	V	7.8	0	1.89	222
401430175	2013	10	19	11	V	8.2	0	2.33	222
401430175	2013	10	19	12	V	10.1	0	2.4	219
401430175	2013	10	19	13	V	6.4	0	2.28	249
401430175	2013	10	19	14	V	8.2	0	2.37	229
401430175	2013	10	19	15	V	6.6	0	2.69	233
401430175	2013	10	19	16	V	8.0	0	2.76	231
401430175	2013	10	19	17	V	13.4	0	3.18	215
401430175	2013	10	19	18	V	5.7	0	1.81	212
401430175	2013	10	19	19	V	12.3	0	1.09	217
401430175	2013	10	19	20	V	7.9	2	1.37	209
401430175	2013	10	19	21	V	6.8	2	1.16	198
401430175	2013	10	19	22	V	4.1	2	1.3	188
401430175	2013	10	19	23	V	13.6	2	0.52	189
401430175	2013	10	19	24	C	-999	4	0	0
401430175	2013	10	20	1	C	-999	1	0	0
401430175	2013	10	20	2	C	-999	0	0	0
401430175	2013	10	20	3	C	-999	0	0	0
401430175	2013	10	20	4	C	-999	0	0	0
401430175	2013	10	20	5	C	-999	0	0	0
401430175	2013	10	20	6	V	6.0	1	1.03	192
401430175	2013	10	20	7	V	6.0	0	1.03	186
401430175	2013	10	20	8	V	9.3	4	1.65	175
401430175	2013	10	20	9	V	4.9	6	3.08	182
401430175	2013	10	20	10	V	4.3	8	4.66	189
401430175	2013	10	20	11	V	6.1	4	6.13	195
401430175	2013	10	20	12	V	6.7	4	6.84	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	20	13	V	7.6	11	6.96	187
401430175	2013	10	20	14	V	5.7	8	6.23	182
401430175	2013	10	20	15	V	5.7	10	6.19	178
401430175	2013	10	20	16	V	6.3	11	6.06	179
401430175	2013	10	20	17	V	9.5	9	5.09	174
401430175	2013	10	20	18	V	7.3	4	3.22	169
401430175	2013	10	20	19	V	4.1	2	1.99	180
401430175	2013	10	20	20	V	6.6	1	1.25	198
401430175	2013	10	20	21	C	-999	1	0	0
401430175	2013	10	20	22	V	4.3	1	0.53	278
401430175	2013	10	20	23	V	16.5	2	0.89	216
401430175	2013	10	20	24	V	5.7	3	1.18	183
401430175	2013	10	21	1	V	7.9	6	1.06	201
401430175	2013	10	21	2	C	-999	4	0	0
401430175	2013	10	21	3	C	-999	2	0	0
401430175	2013	10	21	4	V	3.9	2	0.52	297
401430175	2013	10	21	5	V	1.9	1	1.06	321
401430175	2013	10	21	6	V	1.5	1	2.28	9
401430175	2013	10	21	7	V	1.6	0	1.13	17
401430175	2013	10	21	8	V	2.7	0	4.19	12
401430175	2013	10	21	9	V	1.6	0	4.56	17
401430175	2013	10	21	10	V	1.5	0	5.31	15
401430175	2013	10	21	11	V	2.7	-999	6.45	22
401430175	2013	10	21	12	V	2.8	-999	4.63	19
401430175	2013	10	21	13	V	5.4	1	3.91	18
401430175	2013	10	21	14	V	3.0	0	4.58	22
401430175	2013	10	21	15	V	2.4	0	3.37	10
401430175	2013	10	21	16	V	3.0	0	3.3	9
401430175	2013	10	21	17	V	4.3	0	1.93	4
401430175	2013	10	21	18	V	4.1	0	1.4	349
401430175	2013	10	21	19	V	2.4	1	1.09	310
401430175	2013	10	21	20	V	4.4	1	0.62	253
401430175	2013	10	21	21	V	8.4	1	0.72	237
401430175	2013	10	21	22	V	19.7	0	0.57	216
401430175	2013	10	21	23	V	17.7	0	0.87	218
401430175	2013	10	21	24	V	10.4	0	0.94	231
401430175	2013	10	22	1	V	14.6	0	0.79	211
401430175	2013	10	22	2	V	17.3	0	0.65	213
401430175	2013	10	22	3	V	13.8	0	0.86	209
401430175	2013	10	22	4	V	14.7	0	0.77	207
401430175	2013	10	22	5	V	14.7	0	0.87	212
401430175	2013	10	22	6	V	9.6	0	0.96	202
401430175	2013	10	22	7	V	7.3	1	1.38	216
401430175	2013	10	22	8	V	10.7	0	2.1	217
401430175	2013	10	22	9	V	7.5	0	2.64	225
401430175	2013	10	22	10	V	3.9	0	3.17	238

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	22	11	V	2.8	1	3.19	263
401430175	2013	10	22	12	V	2.9	1	3.04	263
401430175	2013	10	22	13	V	5.5	1	2.76	274
401430175	2013	10	22	14	V	3.1	0	3.17	316
401430175	2013	10	22	15	V	2.4	0	3.05	303
401430175	2013	10	22	16	V	3.0	0	2.81	292
401430175	2013	10	22	17	V	4.4	0	1.98	290
401430175	2013	10	22	18	V	4.1	0	1.09	276
401430175	2013	10	22	19	V	2.6	0	0.89	293
401430175	2013	10	22	20	V	2.6	0	1.28	320
401430175	2013	10	22	21	V	2.0	0	2.64	360
401430175	2013	10	22	22	V	2.3	0	1.57	11
401430175	2013	10	22	23	V	2.4	0	1.48	1
401430175	2013	10	22	24	V	1.9	0	1.6	1
401430175	2013	10	23	1	V	1.2	0	1.91	359
401430175	2013	10	23	2	V	1.6	0	1.5	326
401430175	2013	10	23	3	V	1.0	0	2.45	26
401430175	2013	10	23	4	V	1.6	0	1.18	359
401430175	2013	10	23	5	V	1.9	0	1.11	7
401430175	2013	10	23	6	V	1.7	0	0.97	348
401430175	2013	10	23	7	V	1.7	0	1.08	335
401430175	2013	10	23	8	V	9.0	0	1.35	45
401430175	2013	10	23	9	V	4.7	0	2.45	41
401430175	2013	10	23	10	V	1.7	0	2.45	81
401430175	2013	10	23	11	V	3.0	1	2.08	95
401430175	2013	10	23	12	V	3.0	0	2.27	106
401430175	2013	10	23	13	V	5.5	1	2.79	131
401430175	2013	10	23	14	V	3.4	2	3.08	144
401430175	2013	10	23	15	V	3.8	1	3.78	156
401430175	2013	10	23	16	V	7.4	2	4.53	170
401430175	2013	10	23	17	V	7.6	5	3.92	181
401430175	2013	10	23	18	V	5.0	1	1.04	242
401430175	2013	10	23	19	V	2.5	1	0.77	337
401430175	2013	10	23	20	V	2.6	1	1.35	9
401430175	2013	10	23	21	V	2.9	1	0.65	329
401430175	2013	10	23	22	V	2.2	0	1.94	12
401430175	2013	10	23	23	V	2.6	1	0.91	296
401430175	2013	10	23	24	V	2.1	0	0.99	356
401430175	2013	10	24	1	V	1.7	0	0.79	339
401430175	2013	10	24	2	V	4.3	0	0.65	247
401430175	2013	10	24	3	V	2.4	0	0.58	284
401430175	2013	10	24	4	V	1.5	0	1.74	355
401430175	2013	10	24	5	V	1.8	0	4.49	14
401430175	2013	10	24	6	V	1.5	0	5.02	17
401430175	2013	10	24	7	V	1.6	0	4.85	21
401430175	2013	10	24	8	V	2.8	0	3.69	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	24	9	V	1.6	1	5.45	30
401430175	2013	10	24	10	V	1.5	0	6.6	27
401430175	2013	10	24	11	V	2.7	0	6.77	30
401430175	2013	10	24	12	V	2.8	0	5.95	20
401430175	2013	10	24	13	V	5.3	0	5.58	27
401430175	2013	10	24	14	V	3.2	0	5.11	32
401430175	2013	10	24	15	V	2.3	0	4.99	27
401430175	2013	10	24	16	V	3.1	0	4.65	32
401430175	2013	10	24	17	V	4.4	0	4.17	34
401430175	2013	10	24	18	V	4.1	0	3.73	34
401430175	2013	10	24	19	V	2.2	0	2.18	25
401430175	2013	10	24	20	V	2.6	0	1.79	19
401430175	2013	10	24	21	V	2.1	0	1.6	15
401430175	2013	10	24	22	V	2.3	0	1.72	22
401430175	2013	10	24	23	V	2.3	0	2.23	24
401430175	2013	10	24	24	V	1.9	0	1.72	23
401430175	2013	10	25	1	V	1.3	0	1.55	10
401430175	2013	10	25	2	V	1.6	0	1.64	9
401430175	2013	10	25	3	V	1.0	0	1.7	12
401430175	2013	10	25	4	V	1.5	0	1.82	15
401430175	2013	10	25	5	V	1.7	0	1.87	15
401430175	2013	10	25	6	V	1.5	0	1.54	15
401430175	2013	10	25	7	V	5.4	0	0.96	43
401430175	2013	10	25	8	V	2.7	0	1.91	113
401430175	2013	10	25	9	V	1.7	0	3.27	137
401430175	2013	10	25	10	V	1.6	0	4.44	139
401430175	2013	10	25	11	V	2.9	0	4.24	148
401430175	2013	10	25	12	V	3.0	0	4.05	147
401430175	2013	10	25	13	V	8.4	0	3.69	164
401430175	2013	10	25	14	V	3.4	0	3.56	147
401430175	2013	10	25	15	V	4.0	0	3.8	159
401430175	2013	10	25	16	V	7.4	0	4.65	175
401430175	2013	10	25	17	V	9.7	1	4.65	170
401430175	2013	10	25	18	V	6.9	7	3.63	173
401430175	2013	10	25	19	V	2.7	1	2.49	185
401430175	2013	10	25	20	V	6.7	3	1.89	176
401430175	2013	10	25	21	V	5.8	2	1.84	177
401430175	2013	10	25	22	V	2.7	6	2.15	187
401430175	2013	10	25	23	V	5.9	6	1.14	192
401430175	2013	10	25	24	V	2.8	4	1.74	193
401430175	2013	10	26	1	V	5.9	3	1.88	175
401430175	2013	10	26	2	V	1.9	2	2.93	191
401430175	2013	10	26	3	V	2.2	3	1.94	206
401430175	2013	10	26	4	V	1.8	3	2.59	195
401430175	2013	10	26	5	V	2.2	2	2.1	190
401430175	2013	10	26	6	V	2.5	5	1.89	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	26	7	V	2.1	5	1.93	192
401430175	2013	10	26	8	V	4.8	6	2.03	185
401430175	2013	10	26	9	V	5.2	2	3.47	192
401430175	2013	10	26	10	V	4.8	2	3.61	191
401430175	2013	10	26	11	V	5.9	2	3.25	186
401430175	2013	10	26	12	V	7.1	3	2.44	192
401430175	2013	10	26	13	V	13.5	4	3.05	216
401430175	2013	10	26	14	V	4.0	2	1.93	251
401430175	2013	10	26	15	V	2.3	1	2.83	11
401430175	2013	10	26	16	V	5.2	1	3.13	51
401430175	2013	10	26	17	V	8.7	1	2.04	167
401430175	2013	10	26	18	V	4.2	1	0.91	300
401430175	2013	10	26	19	V	2.8	0	0.74	262
401430175	2013	10	26	20	C	-999	0	0	0
401430175	2013	10	26	21	V	11.1	0	0.65	235
401430175	2013	10	26	22	V	4.5	0	0.53	334
401430175	2013	10	26	23	V	3.9	0	0.79	245
401430175	2013	10	26	24	V	1.9	0	2.93	359
401430175	2013	10	27	1	V	1.2	0	2.76	6
401430175	2013	10	27	2	V	1.5	0	3.52	4
401430175	2013	10	27	3	V	1.0	0	3.18	8
401430175	2013	10	27	4	V	1.5	0	2.2	360
401430175	2013	10	27	5	V	1.8	0	1.64	356
401430175	2013	10	27	6	V	1.5	0	1.47	357
401430175	2013	10	27	7	V	3.3	0	0.55	295
401430175	2013	10	27	8	V	3.0	0	0.84	324
401430175	2013	10	27	9	V	3.0	0	1.3	25
401430175	2013	10	27	10	V	2.7	0	1.42	73
401430175	2013	10	27	11	V	8.5	2	0.92	176
401430175	2013	10	27	12	V	3.8	4	1.18	337
401430175	2013	10	27	13	V	5.8	2	1.71	272
401430175	2013	10	27	14	V	4.3	1	1.31	137
401430175	2013	10	27	15	V	6.6	4	1.69	185
401430175	2013	10	27	16	V	5.8	3	1.45	166
401430175	2013	10	27	17	V	8.1	2	2.05	196
401430175	2013	10	27	18	V	16.1	1	0.74	227
401430175	2013	10	27	19	C	-999	0	0	0
401430175	2013	10	27	20	V	3.4	0	0.67	265
401430175	2013	10	27	21	V	3.2	1	0.62	261
401430175	2013	10	27	22	V	19.0	1	0.65	217
401430175	2013	10	27	23	C	-999	1	0	0
401430175	2013	10	27	24	V	15.9	2	0.67	210
401430175	2013	10	28	1	V	2.2	1	3.17	198
401430175	2013	10	28	2	V	3.0	1	3.13	204
401430175	2013	10	28	3	V	2.4	1	2.95	199
401430175	2013	10	28	4	V	2.5	1	3	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	28	5	V	2.3	1	1.99	192
401430175	2013	10	28	6	V	4.9	4	3.13	177
401430175	2013	10	28	7	V	5.5	4	2.79	175
401430175	2013	10	28	8	V	4.5	4	2.49	159
401430175	2013	10	28	9	V	4.9	4	3.3	165
401430175	2013	10	28	10	V	5.0	1	3.44	167
401430175	2013	10	28	11	V	6.1	1	3.64	167
401430175	2013	10	28	12	V	5.1	0	4	161
401430175	2013	10	28	13	V	8.2	0	3.91	163
401430175	2013	10	28	14	V	3.0	0	4.44	137
401430175	2013	10	28	15	V	2.3	0	4.58	145
401430175	2013	10	28	16	V	2.9	0	4.99	144
401430175	2013	10	28	17	V	4.3	0	4.09	150
401430175	2013	10	28	18	V	4.0	0	3.74	128
401430175	2013	10	28	19	V	2.2	0	3.54	134
401430175	2013	10	28	20	V	2.6	0	3.47	135
401430175	2013	10	28	21	V	2.0	0	3.42	139
401430175	2013	10	28	22	V	2.2	0	3.59	139
401430175	2013	10	28	23	V	2.4	0	3.32	148
401430175	2013	10	28	24	V	2.1	0	3.59	149
401430175	2013	10	29	1	V	1.4	0	4.48	151
401430175	2013	10	29	2	V	4.3	0	5.07	166
401430175	2013	10	29	3	V	4.1	0	3.59	171
401430175	2013	10	29	4	V	3.9	6	4	179
401430175	2013	10	29	5	V	3.9	5	4.29	182
401430175	2013	10	29	6	V	4.0	11	3.56	178
401430175	2013	10	29	7	V	4.5	13	3.74	175
401430175	2013	10	29	8	V	5.5	11	4.1	179
401430175	2013	10	29	9	V	4.1	7	4.88	183
401430175	2013	10	29	10	V	3.9	9	4.41	184
401430175	2013	10	29	11	V	5.2	4	4.7	184
401430175	2013	10	29	12	V	6.9	7	4.7	178
401430175	2013	10	29	13	V	8.0	4	6.91	181
401430175	2013	10	29	14	V	5.3	2	6.96	187
401430175	2013	10	29	15	V	4.8	2	7.09	182
401430175	2013	10	29	16	V	5.8	1	4.93	183
401430175	2013	10	29	17	V	6.7	1	3.85	183
401430175	2013	10	29	18	V	7.3	5	4.41	176
401430175	2013	10	29	19	V	5.9	4	3.23	169
401430175	2013	10	29	20	V	5.9	2	4	171
401430175	2013	10	29	21	V	5.4	3	3.39	170
401430175	2013	10	29	22	V	6.3	3	3.08	174
401430175	2013	10	29	23	V	5.9	2	2.28	166
401430175	2013	10	29	24	V	6.0	3	2.54	168
401430175	2013	10	30	1	V	5.7	2	2.73	171
401430175	2013	10	30	2	V	4.5	3	3.52	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	10	30	3	V	4.3	7	3.44	171
401430175	2013	10	30	4	V	4.7	3	3.47	170
401430175	2013	10	30	5	V	3.9	6	4.05	182
401430175	2013	10	30	6	V	4.3	8	4.71	180
401430175	2013	10	30	7	V	5.2	4	3.18	171
401430175	2013	10	30	8	V	4.2	1	3.54	159
401430175	2013	10	30	9	V	5.7	1	5.79	177
401430175	2013	10	30	10	V	4.0	2	3.78	188
401430175	2013	10	30	11	V	8.0	5	3.56	174
401430175	2013	10	30	12	V	7.9	-999	4.12	174
401430175	2013	10	30	13	V	6.1	-999	3.91	155
401430175	2013	10	30	14	V	3.3	-999	3.32	150
401430175	2013	10	30	15	V	7.1	0	3.27	168
401430175	2013	10	30	16	V	5.5	6	6.87	181
401430175	2013	10	30	17	V	6.5	5	7.45	182
401430175	2013	10	30	18	V	8.6	6	6.97	181
401430175	2013	10	30	19	V	6.9	7	6.6	180
401430175	2013	10	30	20	V	7.1	6	6.77	181
401430175	2013	10	30	21	V	4.5	4	5.7	186
401430175	2013	10	30	22	V	4.1	7	5.09	185
401430175	2013	10	30	23	V	5.2	9	4.63	178
401430175	2013	10	30	24	V	4.7	8	3.86	177
401430175	2013	10	31	1	V	5.4	4	2.86	170
401430175	2013	10	31	2	V	1.5	1	2.36	130
401430175	2013	10	31	3	C	-999	0	0	0
401430175	2013	10	31	4	V	5.1	1	2.86	177
401430175	2013	10	31	5	C	-999	1	0	0
401430175	2013	10	31	6	V	2.4	1	2.86	157
401430175	2013	10	31	7	V	2.5	3	2.36	195
401430175	2013	10	31	8	V	6.0	1	2.86	191
401430175	2013	10	31	9	V	8.5	1	3.1	213
401430175	2013	10	31	10	V	7.2	0	5.22	227
401430175	2013	10	31	11	V	3.4	0	5.51	244
401430175	2013	10	31	12	V	2.8	0	5.65	254
401430175	2013	10	31	13	V	5.3	0	4.8	286
401430175	2013	10	31	14	V	3.0	0	4.44	302
401430175	2013	10	31	15	V	2.3	0	3.88	297
401430175	2013	10	31	16	V	3.0	0	3.37	296
401430175	2013	10	31	17	V	4.3	0	2.28	278
401430175	2013	10	31	18	V	4.1	0	1.31	262
401430175	2013	10	31	19	V	2.4	0	1.26	244
401430175	2013	10	31	20	V	2.6	0	1.43	246
401430175	2013	10	31	21	V	2.1	0	1.65	255
401430175	2013	10	31	22	V	2.3	0	1.77	242
401430175	2013	10	31	23	V	2.4	0	1.74	242
401430175	2013	10	31	24	V	3.6	0	1.33	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	1	1	C	-999	0	0	0
401430175	2013	11	1	2	C	-999	0	0	0
401430175	2013	11	1	3	V	1.9	0	0.72	132
401430175	2013	11	1	4	C	-999	0	0	0
401430175	2013	11	1	5	V	12.8	0	0.58	184
401430175	2013	11	1	6	V	10.5	0	1.04	166
401430175	2013	11	1	7	C	-999	0	0	0
401430175	2013	11	1	8	V	15.1	0	0.7	202
401430175	2013	11	1	9	V	6.5	0	0.97	169
401430175	2013	11	1	10	V	5.2	1	1.57	161
401430175	2013	11	1	11	V	9.7	0	2.44	224
401430175	2013	11	1	12	V	2.9	0	3	285
401430175	2013	11	1	13	V	5.5	0	3.22	289
401430175	2013	11	1	14	V	3.1	0	3.47	292
401430175	2013	11	1	15	V	2.4	0	3.52	299
401430175	2013	11	1	16	V	3.0	0	3.81	309
401430175	2013	11	1	17	V	4.3	0	3.71	315
401430175	2013	11	1	18	V	4.0	0	3.03	330
401430175	2013	11	1	19	V	2.2	0	2.03	323
401430175	2013	11	1	20	V	2.6	0	1.84	324
401430175	2013	11	1	21	V	2.1	0	1.42	318
401430175	2013	11	1	22	V	2.8	0	0.75	276
401430175	2013	11	1	23	V	2.7	0	0.84	262
401430175	2013	11	1	24	V	1.9	0	1.64	311
401430175	2013	11	2	1	V	1.3	0	1.31	286
401430175	2013	11	2	2	V	1.5	0	1.72	313
401430175	2013	11	2	3	V	1.0	0	1.99	316
401430175	2013	11	2	4	V	1.6	0	1.26	297
401430175	2013	11	2	5	V	1.8	0	1.55	309
401430175	2013	11	2	6	V	1.5	0	1.69	304
401430175	2013	11	2	7	V	1.6	0	1.35	289
401430175	2013	11	2	8	V	2.7	0	2.32	305
401430175	2013	11	2	9	V	1.7	0	2.96	335
401430175	2013	11	2	10	V	1.6	0	3.69	336
401430175	2013	11	2	11	V	2.7	0	4.83	341
401430175	2013	11	2	12	V	2.8	0	4.71	339
401430175	2013	11	2	13	V	5.4	0	4.1	342
401430175	2013	11	2	14	V	3.1	0	3.54	344
401430175	2013	11	2	15	V	2.4	0	3.63	338
401430175	2013	11	2	16	V	3.0	0	3.61	358
401430175	2013	11	2	17	V	4.2	0	2.44	4
401430175	2013	11	2	18	V	4.1	0	1.18	339
401430175	2013	11	2	19	V	2.9	0	0.62	276
401430175	2013	11	2	20	C	-999	0	0	0
401430175	2013	11	2	21	V	7.3	0	0.58	244
401430175	2013	11	2	22	V	5.4	0	0.52	256

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	2	23	C	-999	0	0	0
401430175	2013	11	2	24	C	-999	0	0	0
401430175	2013	11	3	1	C	-999	0	0	0
401430175	2013	11	3	2	C	-999	0	0	0
401430175	2013	11	3	3	V	16.9	0	0.72	222
401430175	2013	11	3	4	V	2.9	0	0.87	244
401430175	2013	11	3	5	V	14.3	0	0.57	196
401430175	2013	11	3	6	V	12.2	0	0.62	170
401430175	2013	11	3	7	V	5.4	0	1.16	161
401430175	2013	11	3	8	V	3.2	0	1.99	159
401430175	2013	11	3	9	V	4.3	0	3.52	163
401430175	2013	11	3	10	V	4.8	0	5.6	170
401430175	2013	11	3	11	V	6.2	8	7.83	177
401430175	2013	11	3	12	V	6.4	8	6.45	176
401430175	2013	11	3	13	V	8.7	4	6.7	177
401430175	2013	11	3	14	V	6.8	5	5.72	174
401430175	2013	11	3	15	V	5.7	5	4.85	166
401430175	2013	11	3	16	V	4.2	0	4.03	156
401430175	2013	11	3	17	V	6.6	0	4.15	162
401430175	2013	11	3	18	V	6.5	0	4.65	165
401430175	2013	11	3	19	V	4.5	1	4.87	164
401430175	2013	11	3	20	V	6.4	4	5.8	169
401430175	2013	11	3	21	V	5.4	3	5.73	167
401430175	2013	11	3	22	V	5.9	5	5.45	170
401430175	2013	11	3	23	V	6.1	6	5.8	169
401430175	2013	11	3	24	V	5.3	2	5.67	167
401430175	2013	11	4	1	V	4.8	1	5.79	168
401430175	2013	11	4	2	V	5.1	8	5.11	172
401430175	2013	11	4	3	V	5.3	13	5.8	173
401430175	2013	11	4	4	V	4.8	18	5.46	178
401430175	2013	11	4	5	V	4.7	8	4.65	167
401430175	2013	11	4	6	V	4.6	1	4.63	170
401430175	2013	11	4	7	V	5.3	3	5.62	171
401430175	2013	11	4	8	V	6.4	12	5.1	170
401430175	2013	11	4	9	V	5.2	13	5.29	172
401430175	2013	11	4	10	V	4.8	9	5.38	180
401430175	2013	11	4	11	V	4.9	5	7.65	184
401430175	2013	11	4	12	V	5.1	3	7.13	185
401430175	2013	11	4	13	V	7.7	2	6.99	190
401430175	2013	11	4	14	V	5.4	3	6.98	190
401430175	2013	11	4	15	V	4.6	4	6.81	186
401430175	2013	11	4	16	V	5.8	10	6.02	181
401430175	2013	11	4	17	V	8.2	7	4.92	171
401430175	2013	11	4	18	V	4.4	0	3.64	153
401430175	2013	11	4	19	V	3.5	0	3.37	159
401430175	2013	11	4	20	V	3.3	0	3.76	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	4	21	V	5.2	0	4.17	168
401430175	2013	11	4	22	V	5.3	1	4	168
401430175	2013	11	4	23	V	3.7	0	3.65	160
401430175	2013	11	4	24	V	2.9	0	3.51	158
401430175	2013	11	5	1	V	1.4	0	3.39	151
401430175	2013	11	5	2	V	2.7	0	3.46	159
401430175	2013	11	5	3	V	1.4	0	3.29	154
401430175	2013	11	5	4	V	3.1	0	3.68	161
401430175	2013	11	5	5	V	2.0	0	3.71	151
401430175	2013	11	5	6	V	1.5	0	3.64	142
401430175	2013	11	5	7	V	1.6	0	3.64	146
401430175	2013	11	5	8	V	4.2	0	3.91	160
401430175	2013	11	5	9	V	4.9	0	3.75	165
401430175	2013	11	5	10	V	5.9	0	5.21	167
401430175	2013	11	5	11	V	6.3	0	5.31	165
401430175	2013	11	5	12	V	6.7	0	5.26	166
401430175	2013	11	5	13	V	10.1	0	5.26	169
401430175	2013	11	5	14	V	7.8	0	3.93	168
401430175	2013	11	5	15	V	7.7	0	3.83	170
401430175	2013	11	5	16	V	8.8	0	4.07	172
401430175	2013	11	5	17	V	7.2	2	4.36	179
401430175	2013	11	5	18	V	7.0	1	3.27	178
401430175	2013	11	5	19	V	3.5	0	3.4	159
401430175	2013	11	5	20	V	4.7	0	4.07	163
401430175	2013	11	5	21	V	4.9	0	3.73	167
401430175	2013	11	5	22	V	5.4	0	4.12	168
401430175	2013	11	5	23	V	4.2	1	4.94	185
401430175	2013	11	5	24	V	4.8	0	2.86	232
401430175	2013	11	6	1	V	1.3	0	4.19	318
401430175	2013	11	6	2	V	1.6	0	3.27	328
401430175	2013	11	6	3	V	1.0	0	3.9	327
401430175	2013	11	6	4	V	1.5	0	3.63	333
401430175	2013	11	6	5	V	1.8	0	3.41	329
401430175	2013	11	6	6	V	1.5	0	3.69	336
401430175	2013	11	6	7	V	1.5	0	3.66	338
401430175	2013	11	6	8	V	2.7	0	3.54	333
401430175	2013	11	6	9	V	1.6	0	4.34	341
401430175	2013	11	6	10	V	1.5	0	4.73	350
401430175	2013	11	6	11	V	2.7	0	3.69	334
401430175	2013	11	6	12	V	2.8	0	3.97	344
401430175	2013	11	6	13	V	5.4	0	4.15	336
401430175	2013	11	6	14	V	3.1	0	4.08	346
401430175	2013	11	6	15	V	2.3	-999	4.14	351
401430175	2013	11	6	16	V	3.0	0	3.12	4
401430175	2013	11	6	17	V	4.3	0	2.76	358
401430175	2013	11	6	18	V	4.1	0	1.42	339

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	6	19	V	2.4	0	1.03	325
401430175	2013	11	6	20	V	3.2	0	0.72	283
401430175	2013	11	6	21	C	-999	0	0	0
401430175	2013	11	6	22	V	3.3	0	0.67	256
401430175	2013	11	6	23	C	-999	0	0	0
401430175	2013	11	6	24	V	18.1	0	0.62	225
401430175	2013	11	7	1	C	-999	0	0	0
401430175	2013	11	7	2	C	-999	0	0	0
401430175	2013	11	7	3	V	16.2	0	0.87	216
401430175	2013	11	7	4	C	-999	0	0	0
401430175	2013	11	7	5	V	5.2	0	0.62	247
401430175	2013	11	7	6	C	-999	0	0	0
401430175	2013	11	7	7	V	4.4	0	0.57	252
401430175	2013	11	7	8	V	17.0	0	0.97	222
401430175	2013	11	7	9	V	6.9	1	1.31	187
401430175	2013	11	7	10	V	10.6	1	1.7	207
401430175	2013	11	7	11	V	12.2	0	1.4	212
401430175	2013	11	7	12	V	5.0	0	1.37	252
401430175	2013	11	7	13	V	10.2	0	1.77	206
401430175	2013	11	7	14	V	3.4	0	1.93	290
401430175	2013	11	7	15	V	2.7	0	1.86	275
401430175	2013	11	7	16	V	3.3	0	1.55	305
401430175	2013	11	7	17	V	4.4	1	0.72	254
401430175	2013	11	7	18	C	-999	1	0	0
401430175	2013	11	7	19	V	4.5	1	0.53	272
401430175	2013	11	7	20	V	4.0	0	0.6	261
401430175	2013	11	7	21	V	3.8	1	0.55	306
401430175	2013	11	7	22	V	4.3	1	0.65	250
401430175	2013	11	7	23	V	3.4	0	0.63	269
401430175	2013	11	7	24	V	3.1	1	0.62	275
401430175	2013	11	8	1	V	2.4	1	0.62	277
401430175	2013	11	8	2	V	4.8	1	0.8	241
401430175	2013	11	8	3	C	-999	0	0	0
401430175	2013	11	8	4	C	-999	0	0	0
401430175	2013	11	8	5	V	17.4	0	0.79	223
401430175	2013	11	8	6	V	15.6	0	0.7	227
401430175	2013	11	8	7	C	-999	1	0	0
401430175	2013	11	8	8	V	7.3	0	1.06	184
401430175	2013	11	8	9	V	5.1	2	3.05	189
401430175	2013	11	8	10	V	4.9	1	5.41	194
401430175	2013	11	8	11	V	7.0	1	6.55	199
401430175	2013	11	8	12	V	7.6	0	7.57	200
401430175	2013	11	8	13	V	9.3	0	8.25	197
401430175	2013	11	8	14	V	5.8	0	8.32	192
401430175	2013	11	8	15	V	5.0	1	8.93	192
401430175	2013	11	8	16	V	4.8	1	8.9	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	8	17	V	9.5	0	7.61	191
401430175	2013	11	8	18	V	6.8	0	6.32	186
401430175	2013	11	8	19	V	4.0	1	5.73	187
401430175	2013	11	8	20	V	4.7	2	3.98	177
401430175	2013	11	8	21	V	3.1	0	4.85	188
401430175	2013	11	8	22	V	3.1	1	4.34	188
401430175	2013	11	8	23	V	2.8	1	3.29	194
401430175	2013	11	8	24	V	2.8	1	4.02	187
401430175	2013	11	9	1	V	2.0	3	3.91	188
401430175	2013	11	9	2	V	2.5	2	3.9	187
401430175	2013	11	9	3	V	1.6	3	3.98	191
401430175	2013	11	9	4	V	4.9	2	2.03	167
401430175	2013	11	9	5	V	6.5	2	1.09	182
401430175	2013	11	9	6	V	3.5	1	0.57	90
401430175	2013	11	9	7	C	-999	2	0	0
401430175	2013	11	9	8	C	-999	1	0	0
401430175	2013	11	9	9	V	3.8	2	1.81	155
401430175	2013	11	9	10	V	5.1	2	3.01	186
401430175	2013	11	9	11	V	6.4	1	3.54	185
401430175	2013	11	9	12	V	7.5	1	3.4	194
401430175	2013	11	9	13	V	12.2	1	3.39	203
401430175	2013	11	9	14	V	6.8	1	2.93	184
401430175	2013	11	9	15	V	3.9	0	3.07	157
401430175	2013	11	9	16	V	5.3	2	4.2	185
401430175	2013	11	9	17	V	10.3	1	3.9	171
401430175	2013	11	9	18	V	6.2	0	3.34	164
401430175	2013	11	9	19	V	4.3	0	2.16	164
401430175	2013	11	9	20	V	8.8	0	1.67	169
401430175	2013	11	9	21	V	5.3	1	1.18	184
401430175	2013	11	9	22	V	4.5	1	0.53	71
401430175	2013	11	9	23	V	10.5	0	0.74	190
401430175	2013	11	9	24	V	4.1	0	0.53	286
401430175	2013	11	10	1	V	2.4	0	0.63	274
401430175	2013	11	10	2	V	2.9	0	0.6	266
401430175	2013	11	10	3	V	4.8	0	0.84	238
401430175	2013	11	10	4	V	2.1	0	0.74	6
401430175	2013	11	10	5	V	3.2	0	0.58	297
401430175	2013	11	10	6	V	2.6	0	0.63	359
401430175	2013	11	10	7	V	2.0	0	0.77	11
401430175	2013	11	10	8	C	-999	0	0	0
401430175	2013	11	10	9	V	11.1	0	1.2	203
401430175	2013	11	10	10	V	5.2	0	1.01	147
401430175	2013	11	10	11	V	3.7	1	1.43	131
401430175	2013	11	10	12	V	7.3	2	1.38	191
401430175	2013	11	10	13	V	5.6	2	1.74	119
401430175	2013	11	10	14	V	6.4	3	1.42	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	10	15	V	3.0	3	1.45	116
401430175	2013	11	10	16	V	8.1	2	1.57	191
401430175	2013	11	10	17	V	11.8	1	1.21	173
401430175	2013	11	10	18	C	-999	1	0	0
401430175	2013	11	10	19	C	-999	0	0	0
401430175	2013	11	10	20	C	-999	0	0	0
401430175	2013	11	10	21	V	16.3	0	0.79	209
401430175	2013	11	10	22	V	4.8	1	0.52	288
401430175	2013	11	10	23	V	2.8	1	0.84	254
401430175	2013	11	10	24	V	19.7	1	0.62	217
401430175	2013	11	11	1	V	17.8	1	0.67	215
401430175	2013	11	11	2	V	3.6	1	0.55	258
401430175	2013	11	11	3	V	17.0	1	0.75	215
401430175	2013	11	11	4	V	14.2	1	0.84	228
401430175	2013	11	11	5	V	10.1	1	1.08	212
401430175	2013	11	11	6	V	15.7	2	0.74	210
401430175	2013	11	11	7	V	11.7	2	0.97	211
401430175	2013	11	11	8	V	3.8	3	1.42	189
401430175	2013	11	11	9	V	4.9	2	2.66	185
401430175	2013	11	11	10	V	4.7	2	3.29	187
401430175	2013	11	11	11	V	5.8	2	3.85	185
401430175	2013	11	11	12	V	6.6	3	3.76	189
401430175	2013	11	11	13	V	12.1	1	2.86	217
401430175	2013	11	11	14	V	6.4	0	2.5	237
401430175	2013	11	11	15	V	4.8	0	1.76	242
401430175	2013	11	11	16	V	3.1	0	1.35	316
401430175	2013	11	11	17	V	4.4	0	1.69	360
401430175	2013	11	11	18	V	4.1	1	3.52	355
401430175	2013	11	11	19	V	2.3	0	3.73	356
401430175	2013	11	11	20	V	2.7	0	5.17	10
401430175	2013	11	11	21	V	2.2	0	7.37	9
401430175	2013	11	11	22	V	2.4	0	6.99	11
401430175	2013	11	11	23	V	2.5	0	7.21	13
401430175	2013	11	11	24	V	2.1	0	6.26	9
401430175	2013	11	12	1	V	1.4	0	6.81	8
401430175	2013	11	12	2	V	1.7	0	7.18	7
401430175	2013	11	12	3	V	1.1	0	6.87	6
401430175	2013	11	12	4	V	1.7	0	7.01	5
401430175	2013	11	12	5	V	1.9	0	7.09	9
401430175	2013	11	12	6	V	1.6	0	6.3	9
401430175	2013	11	12	7	V	1.6	0	5.22	9
401430175	2013	11	12	8	V	2.8	0	5.77	10
401430175	2013	11	12	9	V	1.6	0	6.62	16
401430175	2013	11	12	10	V	1.5	0	6.53	18
401430175	2013	11	12	11	V	2.7	0	5.44	8
401430175	2013	11	12	12	V	2.8	0	6.3	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	12	13	V	5.3	0	6.28	15
401430175	2013	11	12	14	V	3.0	0	6.06	12
401430175	2013	11	12	15	V	2.3	0	5.65	20
401430175	2013	11	12	16	V	2.9	0	4.78	18
401430175	2013	11	12	17	V	4.3	0	3.71	12
401430175	2013	11	12	18	V	4.0	0	3.1	9
401430175	2013	11	12	19	V	2.2	0	2.25	5
401430175	2013	11	12	20	V	2.6	0	1.91	12
401430175	2013	11	12	21	C	-999	0	0	0
401430175	2013	11	12	22	C	-999	0	0	0
401430175	2013	11	12	23	C	-999	0	0	0
401430175	2013	11	12	24	C	-999	0	0	0
401430175	2013	11	13	1	V	8.4	0	0.62	239
401430175	2013	11	13	2	V	3.4	0	0.55	290
401430175	2013	11	13	3	V	3.8	0	0.8	242
401430175	2013	11	13	4	V	3.6	0	0.58	255
401430175	2013	11	13	5	V	16.1	0	0.82	225
401430175	2013	11	13	6	V	15.5	0	0.8	212
401430175	2013	11	13	7	V	14.3	0	0.8	207
401430175	2013	11	13	8	V	4.3	0	0.72	248
401430175	2013	11	13	9	V	8.6	1	1.13	199
401430175	2013	11	13	10	V	6.2	2	2.35	191
401430175	2013	11	13	11	V	6.5	0	4.76	193
401430175	2013	11	13	12	V	7.5	1	5.73	198
401430175	2013	11	13	13	V	8.2	-999	5.26	185
401430175	2013	11	13	14	V	7.4	0	5.11	196
401430175	2013	11	13	15	V	7.7	0	4.78	199
401430175	2013	11	13	16	V	8.1	1	5.09	198
401430175	2013	11	13	17	V	5.3	1	4.48	195
401430175	2013	11	13	18	V	4.5	0	3.39	192
401430175	2013	11	13	19	V	2.7	0	2.35	200
401430175	2013	11	13	20	V	2.9	1	2.49	190
401430175	2013	11	13	21	V	2.4	1	2.79	191
401430175	2013	11	13	22	V	2.7	3	2.3	199
401430175	2013	11	13	23	V	2.9	3	2.06	193
401430175	2013	11	13	24	V	3.3	1	1.47	186
401430175	2013	11	14	1	V	2.3	1	1.59	191
401430175	2013	11	14	2	V	2.0	2	2.15	188
401430175	2013	11	14	3	V	1.3	4	2.64	193
401430175	2013	11	14	4	V	2.1	2	3.12	188
401430175	2013	11	14	5	V	2.3	3	3.51	189
401430175	2013	11	14	6	V	4.8	5	2.79	172
401430175	2013	11	14	7	V	1.6	3	2.04	155
401430175	2013	11	14	8	V	2.9	3	1.52	155
401430175	2013	11	14	9	V	5.3	3	3.76	177
401430175	2013	11	14	10	V	4.0	2	6.21	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	14	11	V	5.0	4	7.11	184
401430175	2013	11	14	12	V	5.5	7	6.62	181
401430175	2013	11	14	13	V	7.6	8	6.7	183
401430175	2013	11	14	14	V	5.4	6	7.01	183
401430175	2013	11	14	15	V	6.0	5	5.56	178
401430175	2013	11	14	16	V	7.6	5	5.97	174
401430175	2013	11	14	17	V	8.3	5	5.43	170
401430175	2013	11	14	18	V	7.9	7	5.82	170
401430175	2013	11	14	19	V	5.7	11	4.85	173
401430175	2013	11	14	20	V	6.0	8	4.99	169
401430175	2013	11	14	21	V	3.7	2	4.65	185
401430175	2013	11	14	22	V	6.1	1	2.57	176
401430175	2013	11	14	23	V	3.9	2	2.66	160
401430175	2013	11	14	24	V	4.3	3	1.86	164
401430175	2013	11	15	1	V	3.0	4	1.33	185
401430175	2013	11	15	2	V	5.6	3	1.99	168
401430175	2013	11	15	3	V	8.4	0	1.45	169
401430175	2013	11	15	4	V	5.6	0	1.65	166
401430175	2013	11	15	5	V	3.5	0	2.33	161
401430175	2013	11	15	6	V	4.3	0	2.69	164
401430175	2013	11	15	7	V	4.2	0	2.56	167
401430175	2013	11	15	8	V	6.3	0	2.61	169
401430175	2013	11	15	9	V	5.3	1	3.66	168
401430175	2013	11	15	10	V	4.8	1	4.22	170
401430175	2013	11	15	11	V	5.8	6	5.43	181
401430175	2013	11	15	12	V	5.6	5	5.82	182
401430175	2013	11	15	13	V	8.2	2	5.82	189
401430175	2013	11	15	14	V	6.0	3	5.5	189
401430175	2013	11	15	15	V	5.8	6	5.34	179
401430175	2013	11	15	16	V	7.7	7	5.45	173
401430175	2013	11	15	17	V	6.8	1	4.49	164
401430175	2013	11	15	18	V	7.2	4	4.51	170
401430175	2013	11	15	19	V	3.4	1	3.51	160
401430175	2013	11	15	20	V	3.5	1	4.42	158
401430175	2013	11	15	21	V	2.8	1	4.63	157
401430175	2013	11	15	22	V	3.9	0	4.51	162
401430175	2013	11	15	23	V	5.9	1	4.66	170
401430175	2013	11	15	24	V	3.8	1	3.97	162
401430175	2013	11	16	1	V	1.5	2	3.25	152
401430175	2013	11	16	2	V	2.6	1	3.73	158
401430175	2013	11	16	3	V	4.7	1	5.05	170
401430175	2013	11	16	4	V	5.4	4	5.39	173
401430175	2013	11	16	5	V	5.4	11	6.14	178
401430175	2013	11	16	6	V	4.9	11	5.07	174
401430175	2013	11	16	7	V	4.2	13	5.14	181
401430175	2013	11	16	8	V	6.8	6	7.16	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	16	9	V	3.8	2	6.99	188
401430175	2013	11	16	10	V	3.7	3	7.42	188
401430175	2013	11	16	11	V	5.1	6	8.05	182
401430175	2013	11	16	12	V	4.9	3	8.62	188
401430175	2013	11	16	13	V	9.2	1	9.05	197
401430175	2013	11	16	14	V	6.8	2	9.36	197
401430175	2013	11	16	15	V	6.2	2	9.13	197
401430175	2013	11	16	16	V	5.2	1	8.05	190
401430175	2013	11	16	17	V	8.4	4	7.01	185
401430175	2013	11	16	18	V	7.8	6	7.13	185
401430175	2013	11	16	19	V	6.4	7	7.42	183
401430175	2013	11	16	20	V	7.3	4	6.87	180
401430175	2013	11	16	21	V	5.3	4	6.21	179
401430175	2013	11	16	22	V	6.0	3	6.97	188
401430175	2013	11	16	23	V	7.5	1	8.23	191
401430175	2013	11	16	24	V	8.4	1	8.27	194
401430175	2013	11	17	1	V	8.1	1	7.09	197
401430175	2013	11	17	2	V	8.7	1	7.3	197
401430175	2013	11	17	3	V	7.9	1	6.77	199
401430175	2013	11	17	4	V	6.0	1	5.96	200
401430175	2013	11	17	5	V	4.1	2	5.45	200
401430175	2013	11	17	6	V	7.2	2	6.07	206
401430175	2013	11	17	7	V	18.0	2	5.87	218
401430175	2013	11	17	8	V	9.6	1	4.71	233
401430175	2013	11	17	9	V	1.6	0	4.51	264
401430175	2013	11	17	10	V	1.5	0	4.6	293
401430175	2013	11	17	11	V	2.7	0	4.51	336
401430175	2013	11	17	12	V	2.8	0	3.57	343
401430175	2013	11	17	13	V	5.5	0	3.22	338
401430175	2013	11	17	14	V	3.1	0	3.57	307
401430175	2013	11	17	15	V	2.4	0	3.74	320
401430175	2013	11	17	16	V	3.0	0	3.69	321
401430175	2013	11	17	17	V	4.3	0	3.34	328
401430175	2013	11	17	18	V	4.0	0	2.3	337
401430175	2013	11	17	19	V	2.2	0	1.81	328
401430175	2013	11	17	20	V	2.6	0	1.74	335
401430175	2013	11	17	21	V	2.3	0	0.94	277
401430175	2013	11	17	22	V	2.3	0	1.43	313
401430175	2013	11	17	23	V	2.4	0	1.3	299
401430175	2013	11	17	24	V	2.1	0	0.99	255
401430175	2013	11	18	1	V	1.3	0	1.77	246
401430175	2013	11	18	2	V	1.8	0	0.94	270
401430175	2013	11	18	3	V	2.6	0	0.57	345
401430175	2013	11	18	4	V	2.7	0	0.62	276
401430175	2013	11	18	5	V	2.5	0	1.04	243
401430175	2013	11	18	6	V	1.7	0	1.06	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	18	7	V	1.8	0	0.96	14
401430175	2013	11	18	8	V	2.7	1	2.56	17
401430175	2013	11	18	9	V	1.7	0	3.1	22
401430175	2013	11	18	10	V	5.0	0	3.42	39
401430175	2013	11	18	11	V	8.0	0	3.29	44
401430175	2013	11	18	12	V	4.6	0	3.76	52
401430175	2013	11	18	13	V	5.4	0	3.98	62
401430175	2013	11	18	14	V	5.9	0	4.29	48
401430175	2013	11	18	15	V	2.3	0	4.26	64
401430175	2013	11	18	16	V	3.0	0	3.69	70
401430175	2013	11	18	17	V	4.2	0	2.67	58
401430175	2013	11	18	18	V	4.1	0	1.57	25
401430175	2013	11	18	19	V	2.3	0	1.6	22
401430175	2013	11	18	20	V	2.6	0	1.99	23
401430175	2013	11	18	21	V	2.1	0	1.74	20
401430175	2013	11	18	22	V	3.6	0	1.31	37
401430175	2013	11	18	23	V	2.4	0	1.4	85
401430175	2013	11	18	24	V	1.9	0	1.79	119
401430175	2013	11	19	1	V	2.5	0	0.63	87
401430175	2013	11	19	2	V	3.1	0	0.77	50
401430175	2013	11	19	3	V	8.4	0	0.79	192
401430175	2013	11	19	4	V	1.5	0	2.38	134
401430175	2013	11	19	5	V	1.7	0	3.44	129
401430175	2013	11	19	6	V	1.5	0	3	139
401430175	2013	11	19	7	V	1.5	0	2.23	141
401430175	2013	11	19	8	V	3.0	0	2.4	153
401430175	2013	11	19	9	V	1.7	0	4.15	146
401430175	2013	11	19	10	V	3.6	0	4.41	161
401430175	2013	11	19	11	V	5.3	0	4.54	163
401430175	2013	11	19	12	V	5.7	0	4.7	165
401430175	2013	11	19	13	V	7.0	1	5.12	160
401430175	2013	11	19	14	V	3.2	1	5.12	153
401430175	2013	11	19	15	V	2.3	1	4.73	146
401430175	2013	11	19	16	V	3.1	0	4.85	153
401430175	2013	11	19	17	V	4.3	0	4.02	146
401430175	2013	11	19	18	V	4.0	0	3.8	137
401430175	2013	11	19	19	V	2.3	0	4.2	144
401430175	2013	11	19	20	V	3.4	0	4.92	156
401430175	2013	11	19	21	V	3.5	0	5.16	159
401430175	2013	11	19	22	V	2.6	0	4.24	153
401430175	2013	11	19	23	V	3.5	0	4.63	158
401430175	2013	11	19	24	V	3.4	1	4.07	160
401430175	2013	11	20	1	V	2.7	1	3.95	160
401430175	2013	11	20	2	V	1.6	0	4.19	148
401430175	2013	11	20	3	V	1.6	0	4.39	156
401430175	2013	11	20	4	V	3.2	1	4.02	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	20	5	V	2.3	0	3.85	157
401430175	2013	11	20	6	V	2.7	0	3.85	161
401430175	2013	11	20	7	V	2.4	0	3.85	158
401430175	2013	11	20	8	V	4.3	0	4.19	161
401430175	2013	11	20	9	V	5.1	1	5.6	169
401430175	2013	11	20	10	V	5.1	7	7.23	175
401430175	2013	11	20	11	V	6.5	10	7.79	177
401430175	2013	11	20	12	V	7.3	5	7.45	174
401430175	2013	11	20	13	V	9.5	3	6.13	177
401430175	2013	11	20	14	V	7.8	4	5.8	175
401430175	2013	11	20	15	V	8.0	3	3.29	173
401430175	2013	11	20	16	V	5.7	2	2.44	185
401430175	2013	11	20	17	V	6.3	2	2.89	201
401430175	2013	11	20	18	V	5.1	2	2.95	192
401430175	2013	11	20	19	V	6.4	4	3.12	173
401430175	2013	11	20	20	V	5.6	5	3.42	176
401430175	2013	11	20	21	V	5.1	3	3.76	168
401430175	2013	11	20	22	V	5.5	4	4.49	168
401430175	2013	11	20	23	V	5.7	8	4.94	175
401430175	2013	11	20	24	V	5.0	10	5.43	180
401430175	2013	11	21	1	V	2.8	5	3.46	162
401430175	2013	11	21	2	V	5.2	4	4.9	170
401430175	2013	11	21	3	V	4.4	5	5.34	167
401430175	2013	11	21	4	V	3.7	1	4.41	163
401430175	2013	11	21	5	V	4.0	1	3.85	164
401430175	2013	11	21	6	V	4.8	0	3.15	166
401430175	2013	11	21	7	V	4.0	0	2.35	163
401430175	2013	11	21	8	V	3.1	0	2.15	155
401430175	2013	11	21	9	V	5.8	0	2.06	45
401430175	2013	11	21	10	V	1.7	0	2.47	104
401430175	2013	11	21	11	V	2.8	0	2.2	97
401430175	2013	11	21	12	V	2.9	-999	2.25	116
401430175	2013	11	21	13	V	5.5	0	2.04	106
401430175	2013	11	21	14	V	3.2	0	1.82	84
401430175	2013	11	21	15	V	2.4	-999	2.32	8
401430175	2013	11	21	16	V	2.9	-999	3.39	5
401430175	2013	11	21	17	V	4.3	0	3.88	7
401430175	2013	11	21	18	V	4.1	0	4.65	346
401430175	2013	11	21	19	V	2.3	0	4.29	344
401430175	2013	11	21	20	V	2.7	0	5.09	345
401430175	2013	11	21	21	V	2.2	0	5.34	344
401430175	2013	11	21	22	V	2.4	0	5.1	344
401430175	2013	11	21	23	V	2.4	0	4.97	347
401430175	2013	11	21	24	V	2.0	0	5.14	352
401430175	2013	11	22	1	V	1.4	0	5.8	351
401430175	2013	11	22	2	V	1.7	0	5.22	349

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	22	3	V	1.1	0	5.55	349
401430175	2013	11	22	4	V	1.7	0	5.82	358
401430175	2013	11	22	5	V	1.9	0	5.6	357
401430175	2013	11	22	6	V	1.6	0	5.24	355
401430175	2013	11	22	7	V	1.6	0	5.41	354
401430175	2013	11	22	8	V	2.8	0	5.33	358
401430175	2013	11	22	9	V	1.7	0	5.36	5
401430175	2013	11	22	10	V	1.5	0	5.92	8
401430175	2013	11	22	11	V	2.7	0	5.33	360
401430175	2013	11	22	12	V	2.7	0	5.8	6
401430175	2013	11	22	13	V	5.3	0	5	360
401430175	2013	11	22	14	V	3.0	0	4.12	350
401430175	2013	11	22	15	V	2.3	0	4.53	2
401430175	2013	11	22	16	V	2.9	0	5.41	7
401430175	2013	11	22	17	V	4.4	0	5.67	5
401430175	2013	11	22	18	V	4.1	0	4.87	6
401430175	2013	11	22	19	V	2.3	0	4.02	3
401430175	2013	11	22	20	V	2.6	0	4.17	5
401430175	2013	11	22	21	V	2.1	0	4.09	5
401430175	2013	11	22	22	V	2.3	0	4.36	3
401430175	2013	11	22	23	V	2.4	0	3.97	360
401430175	2013	11	22	24	V	2.0	0	4.41	360
401430175	2013	11	23	1	V	1.3	0	4.8	6
401430175	2013	11	23	2	V	1.6	0	4.75	8
401430175	2013	11	23	3	V	1.0	0	4.2	7
401430175	2013	11	23	4	V	1.6	0	4.22	9
401430175	2013	11	23	5	V	1.8	0	4.27	8
401430175	2013	11	23	6	V	1.6	0	4.82	9
401430175	2013	11	23	7	V	1.6	0	4.75	11
401430175	2013	11	23	8	V	2.7	0	4.6	10
401430175	2013	11	23	9	V	1.7	0	4.8	14
401430175	2013	11	23	10	V	1.5	1	5.56	19
401430175	2013	11	23	11	V	2.7	0	5.89	21
401430175	2013	11	23	12	V	2.7	0	5.89	21
401430175	2013	11	23	13	V	5.3	0	6.12	20
401430175	2013	11	23	14	V	3.0	0	6.77	24
401430175	2013	11	23	15	V	2.3	0	6.28	19
401430175	2013	11	23	16	V	2.9	0	5.99	22
401430175	2013	11	23	17	V	4.3	0	4.07	16
401430175	2013	11	23	18	V	4.1	0	4.53	13
401430175	2013	11	23	19	V	2.4	0	6.74	16
401430175	2013	11	23	20	V	2.7	0	5.5	17
401430175	2013	11	23	21	V	2.1	0	5.26	18
401430175	2013	11	23	22	V	2.3	0	5.16	22
401430175	2013	11	23	23	V	2.4	0	5.33	27
401430175	2013	11	23	24	V	2.0	0	5.92	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	24	1	V	1.3	0	4.95	27
401430175	2013	11	24	2	V	1.6	0	5.24	29
401430175	2013	11	24	3	V	1.0	0	4.75	29
401430175	2013	11	24	4	V	1.6	0	5.51	29
401430175	2013	11	24	5	V	1.8	0	5.17	27
401430175	2013	11	24	6	V	1.5	0	4.1	20
401430175	2013	11	24	7	V	1.5	0	3.83	19
401430175	2013	11	24	8	V	2.7	0	3.73	21
401430175	2013	11	24	9	V	1.6	0	2.93	27
401430175	2013	11	24	10	V	1.7	0	2.59	50
401430175	2013	11	24	11	V	3.0	0	2.06	36
401430175	2013	11	24	12	V	2.8	0	3.34	35
401430175	2013	11	24	13	V	5.4	0	2.5	27
401430175	2013	11	24	14	V	3.2	0	2.13	55
401430175	2013	11	24	15	V	2.4	1	1.64	71
401430175	2013	11	24	16	V	4.8	2	0.82	163
401430175	2013	11	24	17	V	4.3	1	1.08	19
401430175	2013	11	24	18	V	4.1	1	1.38	70
401430175	2013	11	24	19	V	2.2	1	2.42	104
401430175	2013	11	24	20	V	2.6	1	2.32	119
401430175	2013	11	24	21	V	2.0	1	2.59	135
401430175	2013	11	24	22	V	2.2	1	2.81	133
401430175	2013	11	24	23	V	2.3	1	3.24	136
401430175	2013	11	24	24	V	5.5	1	3.34	172
401430175	2013	11	25	1	V	5.3	0	3.1	170
401430175	2013	11	25	2	V	5.4	0	3.01	175
401430175	2013	11	25	3	V	5.1	0	3.06	172
401430175	2013	11	25	4	V	5.5	1	2.96	169
401430175	2013	11	25	5	V	5.7	0	2.55	168
401430175	2013	11	25	6	V	4.2	1	2.37	164
401430175	2013	11	25	7	V	4.2	2	2.32	164
401430175	2013	11	25	8	V	4.5	0	2.57	161
401430175	2013	11	25	9	V	5.0	1	2.83	163
401430175	2013	11	25	10	V	5.8	1	2.67	174
401430175	2013	11	25	11	V	6.0	0	2.13	191
401430175	2013	11	25	12	V	7.9	0	1.77	198
401430175	2013	11	25	13	V	9.8	1	1.33	185
401430175	2013	11	25	14	V	8.4	0	1.3	198
401430175	2013	11	25	15	V	7.5	0	0.84	218
401430175	2013	11	25	16	V	7.1	0	1.03	214
401430175	2013	11	25	17	V	5.5	0	0.52	142
401430175	2013	11	25	18	V	4.5	0	0.8	331
401430175	2013	11	25	19	V	2.2	0	1.65	331
401430175	2013	11	25	20	V	2.6	0	1.94	328
401430175	2013	11	25	21	V	2.1	0	1.98	340
401430175	2013	11	25	22	V	2.3	0	1.43	332

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	25	23	V	2.3	0	1.59	327
401430175	2013	11	25	24	V	1.9	0	1.31	307
401430175	2013	11	26	1	V	1.3	0	1.76	317
401430175	2013	11	26	2	V	1.6	0	1.88	326
401430175	2013	11	26	3	V	1.0	0	2.13	339
401430175	2013	11	26	4	V	1.6	0	1.25	311
401430175	2013	11	26	5	V	1.8	0	1.45	330
401430175	2013	11	26	6	V	1.5	0	1.33	324
401430175	2013	11	26	7	V	1.7	0	1.06	301
401430175	2013	11	26	8	V	2.7	0	1.3	312
401430175	2013	11	26	9	V	1.7	0	2.54	345
401430175	2013	11	26	10	V	1.5	0	5	5
401430175	2013	11	26	11	V	2.7	0	4.94	8
401430175	2013	11	26	12	V	2.8	0	5.9	6
401430175	2013	11	26	13	V	5.3	0	6.36	8
401430175	2013	11	26	14	V	3.0	0	6.19	8
401430175	2013	11	26	15	V	2.3	0	5.51	350
401430175	2013	11	26	16	V	2.9	0	5.85	357
401430175	2013	11	26	17	V	4.4	0	6.26	359
401430175	2013	11	26	18	V	4.2	0	5.96	357
401430175	2013	11	26	19	V	2.2	0	3.39	345
401430175	2013	11	26	20	V	2.6	0	3.01	338
401430175	2013	11	26	21	V	2.0	0	2.66	328
401430175	2013	11	26	22	V	2.2	0	2.4	321
401430175	2013	11	26	23	V	2.4	0	4.17	348
401430175	2013	11	26	24	V	1.9	0	4.2	357
401430175	2013	11	27	1	V	1.4	0	5.51	7
401430175	2013	11	27	2	V	1.6	0	5.14	6
401430175	2013	11	27	3	V	1.0	0	3.78	355
401430175	2013	11	27	4	V	1.5	0	3.64	352
401430175	2013	11	27	5	V	1.7	0	2.83	341
401430175	2013	11	27	6	V	1.5	0	2.74	344
401430175	2013	11	27	7	V	1.5	0	1.48	324
401430175	2013	11	27	8	V	2.7	0	2.16	359
401430175	2013	11	27	9	V	1.6	0	3.52	16
401430175	2013	11	27	10	V	1.6	0	3.32	21
401430175	2013	11	27	11	V	6.0	0	3.05	39
401430175	2013	11	27	12	V	6.3	0	2.54	42
401430175	2013	11	27	13	V	8.0	0	2.84	38
401430175	2013	11	27	14	V	3.3	0	2.38	67
401430175	2013	11	27	15	V	2.7	0	1.81	95
401430175	2013	11	27	16	V	4.3	2	1.3	147
401430175	2013	11	27	17	V	4.2	1	1.59	139
401430175	2013	11	27	18	V	7.2	0	1.81	165
401430175	2013	11	27	19	V	12.0	0	0.97	205
401430175	2013	11	27	20	V	6.4	4	1.33	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	27	21	V	5.7	3	1.47	206
401430175	2013	11	27	22	V	13.7	2	0.99	209
401430175	2013	11	27	23	V	11.0	3	1.14	213
401430175	2013	11	27	24	V	11.1	3	0.82	181
401430175	2013	11	28	1	V	3.1	5	1.62	182
401430175	2013	11	28	2	V	8.6	5	1.25	178
401430175	2013	11	28	3	V	3.0	4	1.48	183
401430175	2013	11	28	4	V	3.1	4	1.42	186
401430175	2013	11	28	5	V	10.8	3	1.33	174
401430175	2013	11	28	6	V	6.0	3	1.77	167
401430175	2013	11	28	7	V	5.6	3	2.38	172
401430175	2013	11	28	8	V	4.6	1	2.5	178
401430175	2013	11	28	9	V	4.5	1	3.81	189
401430175	2013	11	28	10	V	4.6	1	3.92	187
401430175	2013	11	28	11	V	5.8	1	3.73	184
401430175	2013	11	28	12	V	8.9	0	3.69	214
401430175	2013	11	28	13	V	9.2	1	1.33	165
401430175	2013	11	28	14	V	6.2	1	1.96	240
401430175	2013	11	28	15	V	8.6	2	2.64	228
401430175	2013	11	28	16	V	11.4	0	2.91	223
401430175	2013	11	28	17	V	13.9	1	0.72	218
401430175	2013	11	28	18	V	4.9	0	0.53	23
401430175	2013	11	28	19	V	3.2	0	1.6	187
401430175	2013	11	28	20	V	7.7	1	1.01	193
401430175	2013	11	28	21	V	7.3	1	1.09	197
401430175	2013	11	28	22	V	3.2	1	1.59	187
401430175	2013	11	28	23	V	12.3	1	0.65	190
401430175	2013	11	28	24	V	3.1	0	0.63	350
401430175	2013	11	29	1	V	2.7	0	0.58	310
401430175	2013	11	29	2	V	3.1	0	0.58	276
401430175	2013	11	29	3	C	-999	0	0	0
401430175	2013	11	29	4	V	9.5	0	0.65	237
401430175	2013	11	29	5	V	18.1	0	0.67	215
401430175	2013	11	29	6	V	16.2	0	0.65	227
401430175	2013	11	29	7	V	13.5	0	0.8	229
401430175	2013	11	29	8	V	18.6	0	0.7	208
401430175	2013	11	29	9	V	6.4	0	0.55	205
401430175	2013	11	29	10	V	9.1	0	1.04	192
401430175	2013	11	29	11	V	6.0	-999	2.81	169
401430175	2013	11	29	12	V	5.0	-999	3.51	162
401430175	2013	11	29	13	V	8.5	-999	3.98	164
401430175	2013	11	29	14	V	6.1	-999	4.39	164
401430175	2013	11	29	15	V	6.1	-999	5.12	167
401430175	2013	11	29	16	V	7.4	-999	5.36	168
401430175	2013	11	29	17	V	5.4	-999	4.22	159
401430175	2013	11	29	18	V	4.3	-999	2.83	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	11	29	19	V	5.6	-999	2.84	169
401430175	2013	11	29	20	V	5.2	-999	3.88	172
401430175	2013	11	29	21	V	4.6	-999	3.76	175
401430175	2013	11	29	22	V	4.7	-999	3.71	176
401430175	2013	11	29	23	V	6.1	-999	2.42	170
401430175	2013	11	29	24	V	4.4	-999	2.15	165
401430175	2013	11	30	1	V	3.4	-999	2.33	165
401430175	2013	11	30	2	V	5.1	-999	2.28	168
401430175	2013	11	30	3	V	3.2	-999	2.64	166
401430175	2013	11	30	4	V	2.0	-999	1.76	158
401430175	2013	11	30	5	V	1.8	-999	1.5	151
401430175	2013	11	30	6	V	3.3	-999	1.96	163
401430175	2013	11	30	7	V	12.5	-999	1.08	174
401430175	2013	11	30	8	V	5.1	-999	1.25	190
401430175	2013	11	30	9	V	5.3	-999	2.84	180
401430175	2013	11	30	10	V	5.0	-999	5.16	194
401430175	2013	11	30	11	V	6.0	-999	5.04	193
401430175	2013	11	30	12	V	6.4	-999	4.85	195
401430175	2013	11	30	13	V	9.1	-999	5.48	194
401430175	2013	11	30	14	V	6.8	-999	5.26	194
401430175	2013	11	30	15	V	6.6	-999	4.82	195
401430175	2013	11	30	16	V	5.8	-999	5.41	191
401430175	2013	11	30	17	V	4.8	-999	3.56	193
401430175	2013	11	30	18	V	6.8	-999	1.47	207
401430175	2013	11	30	19	V	11.2	-999	1.14	214
401430175	2013	11	30	20	V	12.4	-999	1.28	220
401430175	2013	11	30	21	V	2.6	-999	0.77	256
401430175	2013	11	30	22	C	-999	-999	0	0
401430175	2013	11	30	23	C	-999	-999	0	0
401430175	2013	11	30	24	C	-999	-999	0	0
401430175	2013	12	1	1	C	-999	-999	0	0
401430175	2013	12	1	2	C	-999	-999	0	0
401430175	2013	12	1	3	C	-999	-999	0	0
401430175	2013	12	1	4	V	8.8	-999	0.65	240
401430175	2013	12	1	5	C	-999	-999	0	0
401430175	2013	12	1	6	V	4.6	-999	0.53	255
401430175	2013	12	1	7	C	-999	-999	0	0
401430175	2013	12	1	8	V	18.2	-999	0.55	229
401430175	2013	12	1	9	V	14.7	-999	0.51	195
401430175	2013	12	1	10	C	-999	-999	0	0
401430175	2013	12	1	11	V	5.7	-999	0.6	71
401430175	2013	12	1	12	V	6.2	-999	1.14	90
401430175	2013	12	1	13	V	12.5	-999	1.11	182
401430175	2013	12	1	14	V	8.6	-999	0.57	204
401430175	2013	12	1	15	V	5.1	-999	0.69	342
401430175	2013	12	1	16	V	3.5	-999	1.42	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	1	17	V	3.5	-999	1.04	2
401430175	2013	12	1	18	V	5.5	-999	0.65	334
401430175	2013	12	1	19	V	3.1	-999	1.06	346
401430175	2013	12	1	20	V	2.4	-999	1.6	7
401430175	2013	12	1	21	V	2.6	-999	1.64	10
401430175	2013	12	1	22	V	2.9	-999	1.13	348
401430175	2013	12	1	23	V	4.5	-999	0.77	299
401430175	2013	12	1	24	V	3.8	-999	0.79	306
401430175	2013	12	2	1	V	2.5	-999	1.14	350
401430175	2013	12	2	2	V	2.6	-999	1.08	360
401430175	2013	12	2	3	V	2.0	-999	1.26	28
401430175	2013	12	2	4	V	2.8	-999	0.74	21
401430175	2013	12	2	5	V	3.3	-999	0.65	21
401430175	2013	12	2	6	V	3.8	-999	0.55	50
401430175	2013	12	2	7	V	16.6	-999	0.62	203
401430175	2013	12	2	8	V	15.7	-999	1.18	219
401430175	2013	12	2	9	V	4.9	-999	1.81	185
401430175	2013	12	2	10	V	6.7	-999	2.74	191
401430175	2013	12	2	11	V	11.0	3	3.29	211
401430175	2013	12	2	12	V	13.5	-999	2.69	222
401430175	2013	12	2	13	V	13.4	-999	2.45	201
401430175	2013	12	2	14	V	7.1	0	2.83	180
401430175	2013	12	2	15	V	5.9	-999	3.12	181
401430175	2013	12	2	16	V	8.0	-999	2.23	176
401430175	2013	12	2	17	V	6.8	0	1.82	177
401430175	2013	12	2	18	V	7.6	0	1.59	164
401430175	2013	12	2	19	V	4.8	0	1.65	197
401430175	2013	12	2	20	V	8.2	0	1.59	176
401430175	2013	12	2	21	V	6.5	0	0.8	241
401430175	2013	12	2	22	C	-999	0	0	0
401430175	2013	12	2	23	C	-999	0	0	0
401430175	2013	12	2	24	V	4.8	0	1.38	186
401430175	2013	12	3	1	V	3.7	0	2.06	180
401430175	2013	12	3	2	V	5.6	0	2.28	166
401430175	2013	12	3	3	V	2.8	0	2.1	160
401430175	2013	12	3	4	V	5.3	0	2.67	177
401430175	2013	12	3	5	V	2.9	0	2.71	187
401430175	2013	12	3	6	V	6.3	0	2.05	174
401430175	2013	12	3	7	V	5.7	0	2.52	169
401430175	2013	12	3	8	V	6.5	0	1.91	168
401430175	2013	12	3	9	V	6.5	0	2.83	168
401430175	2013	12	3	10	V	7.3	0	2.84	170
401430175	2013	12	3	11	V	7.3	0	2.08	175
401430175	2013	12	3	12	V	9.6	0	2.59	172
401430175	2013	12	3	13	V	6.3	0	3.57	136
401430175	2013	12	3	14	V	2.9	0	3.76	115

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	3	15	V	2.0	0	3.59	107
401430175	2013	12	3	16	V	3.3	0	3.22	118
401430175	2013	12	3	17	V	3.3	0	1.59	103
401430175	2013	12	3	18	V	4.3	0	1.76	148
401430175	2013	12	3	19	V	7.5	0	1.82	176
401430175	2013	12	3	20	V	3.0	0	3.86	158
401430175	2013	12	3	21	V	5.9	0	3.37	171
401430175	2013	12	3	22	V	3.7	0	2.3	162
401430175	2013	12	3	23	V	5.2	0	2.1	180
401430175	2013	12	3	24	V	4.4	0	2.96	180
401430175	2013	12	4	1	V	10.8	0	1.33	169
401430175	2013	12	4	2	C	-999	0	0	0
401430175	2013	12	4	3	V	7.4	0	1.52	167
401430175	2013	12	4	4	V	5.7	0	1.93	167
401430175	2013	12	4	5	V	3.3	0	2.28	180
401430175	2013	12	4	6	V	10.0	0	1.43	215
401430175	2013	12	4	7	V	5.1	0	1.5	202
401430175	2013	12	4	8	V	2.7	0	1.2	245
401430175	2013	12	4	9	V	2.0	0	3.52	285
401430175	2013	12	4	10	V	3.0	0	3.56	287
401430175	2013	12	4	11	V	2.9	0	3.76	293
401430175	2013	12	4	12	V	5.4	0	3.75	299
401430175	2013	12	4	13	V	6.3	0	3.51	284
401430175	2013	12	4	14	V	2.9	0	3.63	304
401430175	2013	12	4	15	V	1.9	0	3.32	303
401430175	2013	12	4	16	V	3.2	0	3.15	317
401430175	2013	12	4	17	V	3.3	0	3.4	315
401430175	2013	12	4	18	V	4.3	0	3.75	327
401430175	2013	12	4	19	V	2.9	0	3.35	334
401430175	2013	12	4	20	V	2.4	0	3.63	333
401430175	2013	12	4	21	V	2.6	0	3.75	352
401430175	2013	12	4	22	V	2.7	0	3.97	345
401430175	2013	12	4	23	V	3.7	0	3.92	340
401430175	2013	12	4	24	V	3.2	0	4.92	342
401430175	2013	12	5	1	V	2.3	0	5.04	347
401430175	2013	12	5	2	V	2.4	0	5.54	356
401430175	2013	12	5	3	V	1.9	0	5.96	354
401430175	2013	12	5	4	V	1.9	0	5.36	351
401430175	2013	12	5	5	V	2.1	0	6.46	358
401430175	2013	12	5	6	V	2.0	0	4.36	3
401430175	2013	12	5	7	V	1.6	0	4.86	352
401430175	2013	12	5	8	V	2.4	0	4.36	5
401430175	2013	12	5	9	V	2.0	0	4.86	12
401430175	2013	12	5	10	V	2.9	0	6.96	7
401430175	2013	12	5	11	V	2.9	0	5.23	360
401430175	2013	12	5	12	V	5.4	0	4.51	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	5	13	V	6.2	0	5	8
401430175	2013	12	5	14	V	2.9	0	3.86	356
401430175	2013	12	5	15	V	1.9	0	4.32	14
401430175	2013	12	5	16	V	3.1	0	3.97	20
401430175	2013	12	5	17	V	3.3	0	4.31	19
401430175	2013	12	5	18	V	4.3	0	4.68	7
401430175	2013	12	5	19	V	2.9	0	4.61	5
401430175	2013	12	5	20	V	2.4	0	4.36	5
401430175	2013	12	5	21	V	2.6	0	5.19	8
401430175	2013	12	5	22	V	2.7	0	4.88	6
401430175	2013	12	5	23	V	3.7	0	4.78	4
401430175	2013	12	5	24	V	3.2	0	4.85	6
401430175	2013	12	6	1	V	2.3	0	5.36	10
401430175	2013	12	6	2	V	2.4	0	5.04	6
401430175	2013	12	6	3	V	1.9	0	4.31	9
401430175	2013	12	6	4	V	1.9	0	4.44	8
401430175	2013	12	6	5	V	2.1	0	4.93	3
401430175	2013	12	6	6	V	2.0	0	5.17	10
401430175	2013	12	6	7	V	1.6	0	4.88	5
401430175	2013	12	6	8	V	2.4	0	5.43	12
401430175	2013	12	6	9	V	2.0	0	4.82	6
401430175	2013	12	6	10	V	3.0	0	4.92	3
401430175	2013	12	6	11	V	2.9	0	5.09	10
401430175	2013	12	6	12	V	5.4	0	5.48	11
401430175	2013	12	6	13	V	6.2	0	5.87	8
401430175	2013	12	6	14	V	2.9	0	5.21	7
401430175	2013	12	6	15	V	1.9	0	4.8	9
401430175	2013	12	6	16	V	3.1	0	4.82	8
401430175	2013	12	6	17	V	3.3	0	4.87	11
401430175	2013	12	6	18	V	4.3	0	4.44	10
401430175	2013	12	6	19	V	2.9	0	4.07	14
401430175	2013	12	6	20	V	2.4	0	4.25	21
401430175	2013	12	6	21	V	2.6	0	3.88	7
401430175	2013	12	6	22	V	2.7	0	4.44	5
401430175	2013	12	6	23	V	3.7	0	4.58	12
401430175	2013	12	6	24	V	3.2	0	5.11	23
401430175	2013	12	7	1	V	2.3	0	4.17	17
401430175	2013	12	7	2	V	2.4	0	3.81	10
401430175	2013	12	7	3	V	1.8	0	3.98	12
401430175	2013	12	7	4	V	1.9	0	4.73	18
401430175	2013	12	7	5	V	2.0	0	4.03	21
401430175	2013	12	7	6	V	1.9	0	4.31	16
401430175	2013	12	7	7	V	1.6	-999	4.27	20
401430175	2013	12	7	8	V	2.3	0	4.14	23
401430175	2013	12	7	9	V	2.0	0	3.78	26
401430175	2013	12	7	10	V	5.3	0	4.15	37

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	7	11	V	4.2	0	5.09	37
401430175	2013	12	7	12	V	5.7	0	4.66	33
401430175	2013	12	7	13	V	6.3	0	5.02	31
401430175	2013	12	7	14	V	2.9	2	5.51	31
401430175	2013	12	7	15	V	6.7	6	4.39	42
401430175	2013	12	7	16	V	8.1	2	3.18	45
401430175	2013	12	7	17	V	3.3	0	3.81	32
401430175	2013	12	7	18	V	4.3	0	4	33
401430175	2013	12	7	19	V	2.9	0	4.39	25
401430175	2013	12	7	20	V	5.6	0	4.26	42
401430175	2013	12	7	21	V	2.7	0	4.95	54
401430175	2013	12	7	22	V	2.7	0	3.75	65
401430175	2013	12	7	23	V	3.7	0	2.76	73
401430175	2013	12	7	24	V	3.2	0	2.2	58
401430175	2013	12	8	1	V	2.4	0	2.06	53
401430175	2013	12	8	2	V	2.5	0	1.31	78
401430175	2013	12	8	3	V	2.1	0	1.16	64
401430175	2013	12	8	4	V	1.9	0	2.25	128
401430175	2013	12	8	5	V	2.1	0	2.4	121
401430175	2013	12	8	6	V	2.0	0	2.37	129
401430175	2013	12	8	7	V	1.6	0	2.74	140
401430175	2013	12	8	8	V	4.3	0	3.1	162
401430175	2013	12	8	9	V	6.5	0	2.71	169
401430175	2013	12	8	10	V	7.3	0	2.84	170
401430175	2013	12	8	11	V	6.7	0	3.29	169
401430175	2013	12	8	12	V	10.5	0	3.86	176
401430175	2013	12	8	13	V	10.4	0	4.8	195
401430175	2013	12	8	14	V	9.2	0	4.03	201
401430175	2013	12	8	15	V	9.7	0	3.58	210
401430175	2013	12	8	16	V	10.5	0	3.22	214
401430175	2013	12	8	17	V	4.8	0	2.61	236
401430175	2013	12	8	18	V	4.3	0	2.27	248
401430175	2013	12	8	19	V	2.9	0	1.71	272
401430175	2013	12	8	20	V	2.4	0	1.77	273
401430175	2013	12	8	21	V	2.8	0	1.16	252
401430175	2013	12	8	22	V	2.7	0	1.59	289
401430175	2013	12	8	23	V	3.8	0	1.38	319
401430175	2013	12	8	24	V	3.8	0	0.86	336
401430175	2013	12	9	1	V	2.7	0	0.92	1
401430175	2013	12	9	2	V	3.4	0	0.72	281
401430175	2013	12	9	3	V	2.9	0	0.7	296
401430175	2013	12	9	4	V	2.0	0	1.31	18
401430175	2013	12	9	5	V	2.1	0	2.47	352
401430175	2013	12	9	6	V	2.0	0	3.44	359
401430175	2013	12	9	7	V	1.6	0	3.58	357
401430175	2013	12	9	8	V	2.3	0	2.93	354

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	9	9	V	2.0	0	4.32	1
401430175	2013	12	9	10	V	3.0	0	3.86	12
401430175	2013	12	9	11	V	2.9	0	3.86	20
401430175	2013	12	9	12	V	5.4	0	4.36	9
401430175	2013	12	9	13	V	8.5	0	5.96	41
401430175	2013	12	9	14	V	6.1	0	5.36	45
401430175	2013	12	9	15	V	1.9	0	4.36	15
401430175	2013	12	9	16	V	3.1	0	4.36	13
401430175	2013	12	9	17	V	3.3	0	3.86	12
401430175	2013	12	9	18	V	4.3	0	3.36	4
401430175	2013	12	9	19	V	2.9	0	3.32	351
401430175	2013	12	9	20	V	2.4	0	2.45	348
401430175	2013	12	9	21	V	2.6	0	2.52	357
401430175	2013	12	9	22	V	2.7	0	2.44	341
401430175	2013	12	9	23	V	3.7	0	2.47	323
401430175	2013	12	9	24	V	3.2	0	2.18	328
401430175	2013	12	10	1	V	2.3	0	2.03	332
401430175	2013	12	10	2	V	2.5	0	1.33	311
401430175	2013	12	10	3	V	6.2	0	0.65	245
401430175	2013	12	10	4	V	2.2	0	0.96	263
401430175	2013	12	10	5	V	11.3	0	0.84	233
401430175	2013	12	10	6	V	6.1	0	1.6	230
401430175	2013	12	10	7	V	5.9	0	1.13	235
401430175	2013	12	10	8	V	3.1	0	1.33	240
401430175	2013	12	10	9	V	13.2	0	1.16	224
401430175	2013	12	10	10	V	8.2	0	2.05	195
401430175	2013	12	10	11	V	6.5	0	2.97	187
401430175	2013	12	10	12	V	9.7	0	2.16	173
401430175	2013	12	10	13	V	10.6	0	2.98	176
401430175	2013	12	10	14	V	6.2	0	3.69	184
401430175	2013	12	10	15	V	6.3	0	3.68	168
401430175	2013	12	10	16	V	5.6	0	3.37	161
401430175	2013	12	10	17	V	5.5	0	2.69	164
401430175	2013	12	10	18	V	6.7	0	1.38	194
401430175	2013	12	10	19	V	3.5	0	0.96	146
401430175	2013	12	10	20	V	12.1	0	1.09	168
401430175	2013	12	10	21	V	5.5	0	3.73	173
401430175	2013	12	10	22	V	4.0	0	3.68	181
401430175	2013	12	10	23	V	6.0	0	1.94	179
401430175	2013	12	10	24	V	5.2	0	2.93	177
401430175	2013	12	11	1	V	2.5	0	1.28	125
401430175	2013	12	11	2	V	7.5	0	1.08	184
401430175	2013	12	11	3	V	15.8	0	1.04	215
401430175	2013	12	11	4	V	2.5	0	0.97	249
401430175	2013	12	11	5	V	11.5	0	1.14	208
401430175	2013	12	11	6	V	9.5	0	0.7	238

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	11	7	V	3.1	0	0.62	277
401430175	2013	12	11	8	V	2.9	0	0.87	313
401430175	2013	12	11	9	V	4.0	0	0.53	330
401430175	2013	12	11	10	V	3.0	0	4.48	12
401430175	2013	12	11	11	V	2.9	0	6.33	28
401430175	2013	12	11	12	V	5.4	0	6.07	24
401430175	2013	12	11	13	V	6.2	0	6.36	24
401430175	2013	12	11	14	V	2.9	0	6.43	25
401430175	2013	12	11	15	V	1.9	0	5.27	23
401430175	2013	12	11	16	V	3.2	0	4.68	25
401430175	2013	12	11	17	V	3.3	0	4.46	33
401430175	2013	12	11	18	V	4.3	0	2.4	19
401430175	2013	12	11	19	V	3.0	0	1.64	1
401430175	2013	12	11	20	V	2.4	0	1.55	12
401430175	2013	12	11	21	V	2.6	0	2.11	14
401430175	2013	12	11	22	V	3.0	0	1.08	356
401430175	2013	12	11	23	V	4.7	0	0.72	351
401430175	2013	12	11	24	V	4.1	0	0.75	341
401430175	2013	12	12	1	C	-999	0	0	0
401430175	2013	12	12	2	V	3.6	0	0.67	353
401430175	2013	12	12	3	V	2.8	0	0.75	257
401430175	2013	12	12	4	V	4.0	0	0.82	245
401430175	2013	12	12	5	V	3.7	0	0.67	255
401430175	2013	12	12	6	V	3.6	0	0.58	330
401430175	2013	12	12	7	V	15.1	0	1.14	217
401430175	2013	12	12	8	V	14.3	1	1.25	217
401430175	2013	12	12	9	V	9.2	1	0.87	184
401430175	2013	12	12	10	V	7.8	0	1.86	190
401430175	2013	12	12	11	V	6.0	0	3.78	188
401430175	2013	12	12	12	V	8.7	2	5.14	193
401430175	2013	12	12	13	V	9.3	1	5.12	191
401430175	2013	12	12	14	V	5.7	1	4.63	188
401430175	2013	12	12	15	V	4.7	0	4.2	185
401430175	2013	12	12	16	V	5.6	0	3.71	185
401430175	2013	12	12	17	V	5.1	0	2.55	180
401430175	2013	12	12	18	V	4.8	0	2.03	187
401430175	2013	12	12	19	V	4.2	1	1.77	195
401430175	2013	12	12	20	V	2.7	1	2.49	191
401430175	2013	12	12	21	V	2.9	0	2.9	189
401430175	2013	12	12	22	V	4.5	0	3.15	179
401430175	2013	12	12	23	V	6.9	0	2.88	172
401430175	2013	12	12	24	V	5.5	0	2.86	167
401430175	2013	12	13	1	V	3.7	0	3.17	180
401430175	2013	12	13	2	V	3.9	0	2.91	183
401430175	2013	12	13	3	V	3.3	0	3.51	182
401430175	2013	12	13	4	V	5.7	0	2.86	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	13	5	V	5.6	0	3.08	176
401430175	2013	12	13	6	V	5.9	0	2.83	169
401430175	2013	12	13	7	V	3.9	0	2.84	163
401430175	2013	12	13	8	V	5.1	0	4.15	168
401430175	2013	12	13	9	V	5.1	0	4.56	169
401430175	2013	12	13	10	V	7.0	0	4.9	175
401430175	2013	12	13	11	V	6.7	1	5.97	172
401430175	2013	12	13	12	V	9.2	0	5.58	172
401430175	2013	12	13	13	V	9.9	0	6.63	172
401430175	2013	12	13	14	V	7.6	0	7.72	173
401430175	2013	12	13	15	V	6.5	0	7.09	175
401430175	2013	12	13	16	V	7.6	0	5.41	167
401430175	2013	12	13	17	V	6.2	0	4.37	168
401430175	2013	12	13	18	V	7.3	0	4.26	173
401430175	2013	12	13	19	V	3.6	0	3.3	189
401430175	2013	12	13	20	V	3.8	0	2.49	183
401430175	2013	12	13	21	V	2.8	0	1.57	155
401430175	2013	12	13	22	V	2.7	0	2.28	149
401430175	2013	12	13	23	V	3.7	0	1.72	130
401430175	2013	12	13	24	V	8.2	0	1.55	177
401430175	2013	12	14	1	V	14.0	0	0.53	173
401430175	2013	12	14	2	V	2.7	0	0.91	313
401430175	2013	12	14	3	V	2.0	0	1.25	321
401430175	2013	12	14	4	V	1.9	0	2.11	321
401430175	2013	12	14	5	V	2.1	0	4.17	343
401430175	2013	12	14	6	V	2.0	0	4.71	354
401430175	2013	12	14	7	V	1.6	0	4.27	347
401430175	2013	12	14	8	V	2.4	0	4.32	347
401430175	2013	12	14	9	V	2.0	0	4.88	341
401430175	2013	12	14	10	V	3.0	0	5	343
401430175	2013	12	14	11	V	2.9	0	5.11	340
401430175	2013	12	14	12	V	5.4	0	4.53	336
401430175	2013	12	14	13	V	6.2	0	4.29	338
401430175	2013	12	14	14	V	2.9	0	4.46	329
401430175	2013	12	14	15	V	1.9	0	4.22	332
401430175	2013	12	14	16	V	3.2	0	4.08	337
401430175	2013	12	14	17	V	3.3	0	2.98	335
401430175	2013	12	14	18	V	4.3	0	1.93	337
401430175	2013	12	14	19	V	3.9	0	0.69	266
401430175	2013	12	14	20	V	17.1	0	0.87	225
401430175	2013	12	14	21	V	5.3	0	0.53	255
401430175	2013	12	14	22	V	3.8	0	0.7	282
401430175	2013	12	14	23	V	5.9	0	0.52	303
401430175	2013	12	14	24	V	3.9	0	0.8	270
401430175	2013	12	15	1	V	15.6	0	0.65	201
401430175	2013	12	15	2	V	18.4	0	0.72	210

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	15	3	C	-999	0	0	0
401430175	2013	12	15	4	V	11.1	0	0.89	232
401430175	2013	12	15	5	V	8.4	0	0.82	237
401430175	2013	12	15	6	V	13.2	0	0.55	191
401430175	2013	12	15	7	V	16.6	0	0.97	224
401430175	2013	12	15	8	V	10.9	0	1.3	213
401430175	2013	12	15	9	V	13.8	0	0.99	211
401430175	2013	12	15	10	V	8.6	0	1.35	190
401430175	2013	12	15	11	V	7.0	0	2.35	178
401430175	2013	12	15	12	V	9.3	0	2.67	186
401430175	2013	12	15	13	V	12.4	1	3.32	200
401430175	2013	12	15	14	V	11.6	0	4.48	220
401430175	2013	12	15	15	V	10.3	0	4.24	223
401430175	2013	12	15	16	V	13.0	0	4.27	215
401430175	2013	12	15	17	V	4.7	2	3.3	207
401430175	2013	12	15	18	V	5.4	1	1.96	201
401430175	2013	12	15	19	V	4.1	1	1.94	199
401430175	2013	12	15	20	V	4.6	1	1.47	194
401430175	2013	12	15	21	V	10.6	1	0.92	182
401430175	2013	12	15	22	V	3.6	1	1.74	190
401430175	2013	12	15	23	V	5.3	0	1.91	204
401430175	2013	12	15	24	V	4.6	0	1.96	204
401430175	2013	12	16	1	V	7.1	0	1.09	193
401430175	2013	12	16	2	V	5.5	0	1.62	207
401430175	2013	12	16	3	V	5.9	0	1.5	206
401430175	2013	12	16	4	V	5.4	0	2.2	223
401430175	2013	12	16	5	V	2.8	0	2.62	212
401430175	2013	12	16	6	V	10.7	0	0.99	166
401430175	2013	12	16	7	V	9.6	0	0.91	164
401430175	2013	12	16	8	V	10.9	0	0.75	186
401430175	2013	12	16	9	V	6.6	1	1.18	197
401430175	2013	12	16	10	V	8.3	1	2.33	197
401430175	2013	12	16	11	V	9.7	0	3.2	205
401430175	2013	12	16	12	V	10.0	1	3.12	196
401430175	2013	12	16	13	V	9.5	1	3.46	185
401430175	2013	12	16	14	V	8.8	-999	3.01	201
401430175	2013	12	16	15	V	10.6	-999	4.39	211
401430175	2013	12	16	16	V	13.3	-999	3.83	221
401430175	2013	12	16	17	V	8.1	-999	2.78	223
401430175	2013	12	16	18	V	5.5	3	1.98	203
401430175	2013	12	16	19	V	3.7	1	0.72	284
401430175	2013	12	16	20	V	2.5	1	1.28	272
401430175	2013	12	16	21	V	3.9	1	2.11	213
401430175	2013	12	16	22	V	14.0	2	0.53	187
401430175	2013	12	16	23	V	14.9	2	0.79	202
401430175	2013	12	16	24	V	18.7	2	0.69	228

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	17	1	V	3.7	2	0.62	298
401430175	2013	12	17	2	V	4.1	1	0.62	258
401430175	2013	12	17	3	V	19.1	1	0.8	220
401430175	2013	12	17	4	V	3.1	1	0.67	17
401430175	2013	12	17	5	V	3.7	1	0.58	281
401430175	2013	12	17	6	C	-999	1	0	0
401430175	2013	12	17	7	V	2.0	1	0.99	17
401430175	2013	12	17	8	V	3.2	1	0.77	350
401430175	2013	12	17	9	V	2.0	1	2.45	15
401430175	2013	12	17	10	V	3.1	0	2.96	16
401430175	2013	12	17	11	V	3.4	1	1.76	14
401430175	2013	12	17	12	V	8.5	1	2.4	46
401430175	2013	12	17	13	V	6.4	0	3.52	24
401430175	2013	12	17	14	V	2.9	0	5.38	21
401430175	2013	12	17	15	V	1.9	0	4.71	28
401430175	2013	12	17	16	V	7.4	0	2.93	45
401430175	2013	12	17	17	V	3.3	1	2.4	66
401430175	2013	12	17	18	V	4.7	2	0.91	62
401430175	2013	12	17	19	V	4.3	2	0.63	293
401430175	2013	12	17	20	V	17.2	2	0.62	230
401430175	2013	12	17	21	V	3.6	2	0.7	303
401430175	2013	12	17	22	V	5.4	2	0.87	242
401430175	2013	12	17	23	V	14.7	1	0.62	235
401430175	2013	12	17	24	C	-999	1	0	0
401430175	2013	12	18	1	V	8.9	1	0.63	241
401430175	2013	12	18	2	C	-999	2	0	0
401430175	2013	12	18	3	C	-999	2	0	0
401430175	2013	12	18	4	V	10.4	2	0.58	239
401430175	2013	12	18	5	V	4.0	2	0.55	299
401430175	2013	12	18	6	V	2.8	2	0.77	273
401430175	2013	12	18	7	V	3.2	1	0.58	289
401430175	2013	12	18	8	V	4.8	1	0.67	250
401430175	2013	12	18	9	V	16.8	1	1.09	222
401430175	2013	12	18	10	V	11.4	1	1.09	205
401430175	2013	12	18	11	V	6.1	3	4.03	179
401430175	2013	12	18	12	V	7.8	4	5.99	183
401430175	2013	12	18	13	V	9.4	4	6.89	193
401430175	2013	12	18	14	V	7.8	2	7.86	198
401430175	2013	12	18	15	V	6.8	2	8.35	198
401430175	2013	12	18	16	V	7.6	2	7.6	196
401430175	2013	12	18	17	V	4.5	3	6.31	187
401430175	2013	12	18	18	V	5.0	5	4.26	185
401430175	2013	12	18	19	V	5.3	9	4.97	178
401430175	2013	12	18	20	V	4.9	4	4.02	172
401430175	2013	12	18	21	V	5.8	5	3.52	173
401430175	2013	12	18	22	V	4.2	7	5.68	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	18	23	V	4.4	8	5.5	187
401430175	2013	12	18	24	V	4.0	5	6.12	187
401430175	2013	12	19	1	V	3.5	2	5.79	184
401430175	2013	12	19	2	V	3.2	2	5.96	187
401430175	2013	12	19	3	V	2.4	3	5.9	190
401430175	2013	12	19	4	V	2.8	2	6.43	187
401430175	2013	12	19	5	V	4.1	2	4.39	178
401430175	2013	12	19	6	V	4.4	7	4.65	177
401430175	2013	12	19	7	V	4.4	7	4.31	174
401430175	2013	12	19	8	V	3.1	6	5.36	195
401430175	2013	12	19	9	V	3.4	3	6.46	188
401430175	2013	12	19	10	V	5.1	1	9.06	191
401430175	2013	12	19	11	V	4.8	1	6.96	188
401430175	2013	12	19	12	V	8.5	2	5.96	180
401430175	2013	12	19	13	V	8.6	3	8.46	192
401430175	2013	12	19	14	V	7.6	2	8.46	197
401430175	2013	12	19	15	V	4.2	2	7.96	191
401430175	2013	12	19	16	V	6.3	2	7.46	179
401430175	2013	12	19	17	V	4.9	1	6.54	186
401430175	2013	12	19	18	V	7.0	4	5.19	178
401430175	2013	12	19	19	V	5.7	6	4.53	174
401430175	2013	12	19	20	V	5.2	9	4.37	173
401430175	2013	12	19	21	V	4.5	8	3.95	178
401430175	2013	12	19	22	V	3.4	2	5.09	186
401430175	2013	12	19	23	V	4.1	3	4.95	193
401430175	2013	12	19	24	V	3.5	3	4.39	196
401430175	2013	12	20	1	V	2.6	2	4.48	195
401430175	2013	12	20	2	V	3.3	2	5.8	200
401430175	2013	12	20	3	V	3.3	3	6.11	204
401430175	2013	12	20	4	V	4.3	1	3.74	227
401430175	2013	12	20	5	V	7.0	2	2.45	219
401430175	2013	12	20	6	V	2.0	1	3.86	301
401430175	2013	12	20	7	V	1.6	0	4.36	296
401430175	2013	12	20	8	V	2.4	0	4.86	331
401430175	2013	12	20	9	V	2.0	0	4.36	336
401430175	2013	12	20	10	V	3.0	0	3.86	338
401430175	2013	12	20	11	M	-999	0	2.36	999
401430175	2013	12	20	12	V	5.4	0	3.36	333
401430175	2013	12	20	13	V	6.2	0	3.36	349
401430175	2013	12	20	14	M	-999	0	2.36	999
401430175	2013	12	20	15	V	1.9	0	2.89	339
401430175	2013	12	20	16	V	3.2	0	2.54	328
401430175	2013	12	20	17	V	3.3	0	2.13	330
401430175	2013	12	20	18	V	4.4	0	1.62	338
401430175	2013	12	20	19	V	2.9	0	2.42	23
401430175	2013	12	20	20	V	2.4	0	1.72	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	20	21	V	2.6	0	3.05	4
401430175	2013	12	20	22	V	2.7	0	3.95	8
401430175	2013	12	20	23	V	3.7	0	3.64	21
401430175	2013	12	20	24	V	3.2	0	2.69	340
401430175	2013	12	21	1	V	2.3	0	3.25	25
401430175	2013	12	21	2	V	2.4	0	2.67	350
401430175	2013	12	21	3	V	1.9	0	2.64	350
401430175	2013	12	21	4	V	1.9	0	1.93	344
401430175	2013	12	21	5	V	2.1	0	2.73	9
401430175	2013	12	21	6	V	3.6	0	3.68	39
401430175	2013	12	21	7	V	5.7	1	3.76	42
401430175	2013	12	21	8	V	2.4	1	2.66	21
401430175	2013	12	21	9	V	2.0	0	2.69	4
401430175	2013	12	21	10	V	3.0	1	3.61	17
401430175	2013	12	21	11	V	2.9	0	3.71	14
401430175	2013	12	21	12	V	5.4	1	3.76	22
401430175	2013	12	21	13	V	6.2	1	3.88	15
401430175	2013	12	21	14	V	2.9	1	3.03	11
401430175	2013	12	21	15	V	1.9	1	4.12	28
401430175	2013	12	21	16	V	3.2	1	4.37	11
401430175	2013	12	21	17	V	3.3	1	3.01	20
401430175	2013	12	21	18	V	4.3	1	2.35	290
401430175	2013	12	21	19	V	2.9	1	1.59	307
401430175	2013	12	21	20	V	2.4	1	1.54	271
401430175	2013	12	21	21	V	2.6	0	1.59	262
401430175	2013	12	21	22	V	2.7	1	2.54	265
401430175	2013	12	21	23	V	3.8	1	2.21	243
401430175	2013	12	21	24	V	3.6	1	2.11	239
401430175	2013	12	22	1	V	2.3	1	1.82	257
401430175	2013	12	22	2	V	2.4	1	2.76	259
401430175	2013	12	22	3	V	1.9	0	2.21	264
401430175	2013	12	22	4	V	1.9	0	2.32	271
401430175	2013	12	22	5	V	2.1	0	2.28	273
401430175	2013	12	22	6	V	2.0	0	2.95	315
401430175	2013	12	22	7	V	1.6	0	3.17	332
401430175	2013	12	22	8	V	2.4	0	2.49	329
401430175	2013	12	22	9	V	2.0	0	3.01	334
401430175	2013	12	22	10	V	3.0	0	3.34	345
401430175	2013	12	22	11	V	2.9	0	3.24	327
401430175	2013	12	22	12	V	5.4	0	3.37	336
401430175	2013	12	22	13	V	6.3	0	3	328
401430175	2013	12	22	14	V	2.9	0	3.05	334
401430175	2013	12	22	15	V	1.9	0	2.56	315
401430175	2013	12	22	16	V	3.2	0	2.35	320
401430175	2013	12	22	17	V	3.4	0	1.96	306
401430175	2013	12	22	18	V	4.3	0	1.84	301

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	22	19	V	2.9	0	1.81	305
401430175	2013	12	22	20	V	2.4	0	1.91	314
401430175	2013	12	22	21	V	2.6	0	1.82	316
401430175	2013	12	22	22	V	2.7	0	1.99	327
401430175	2013	12	22	23	V	3.7	0	1.91	4
401430175	2013	12	22	24	C	-999	0	0	0
401430175	2013	12	23	1	V	2.3	0	1.76	359
401430175	2013	12	23	2	C	-999	0	0	0
401430175	2013	12	23	3	V	1.9	0	1.76	19
401430175	2013	12	23	4	C	-999	0	0	0
401430175	2013	12	23	5	V	2.8	0	1.76	37
401430175	2013	12	23	6	C	-999	0	0	0
401430175	2013	12	23	7	V	1.6	0	1.76	339
401430175	2013	12	23	8	V	2.4	0	1.76	17
401430175	2013	12	23	9	V	2.0	0	2.36	15
401430175	2013	12	23	10	V	3.4	0	3.36	30
401430175	2013	12	23	11	V	2.9	0	3.4	19
401430175	2013	12	23	12	V	5.8	1	3.56	28
401430175	2013	12	23	13	V	6.3	5	3.54	25
401430175	2013	12	23	14	V	2.9	1	3.51	18
401430175	2013	12	23	15	V	1.9	0	4.25	9
401430175	2013	12	23	16	V	3.2	0	3.44	17
401430175	2013	12	23	17	V	3.3	0	3.32	12
401430175	2013	12	23	18	V	4.3	0	2.49	15
401430175	2013	12	23	19	V	2.9	0	2.44	16
401430175	2013	12	23	20	V	2.4	0	2.37	1
401430175	2013	12	23	21	V	2.6	0	2.39	15
401430175	2013	12	23	22	V	2.7	0	1.65	5
401430175	2013	12	23	23	V	3.9	0	1.14	354
401430175	2013	12	23	24	V	3.2	0	2.22	17
401430175	2013	12	24	1	V	2.3	0	2.21	19
401430175	2013	12	24	2	V	2.4	0	1.52	29
401430175	2013	12	24	3	V	1.9	0	1.76	16
401430175	2013	12	24	4	V	8.5	0	2.57	42
401430175	2013	12	24	5	V	2.5	0	0.87	326
401430175	2013	12	24	6	V	3.7	0	0.55	59
401430175	2013	12	24	7	V	1.6	0	1.96	117
401430175	2013	12	24	8	V	2.4	0	2.25	115
401430175	2013	12	24	9	V	5.3	2	2.45	165
401430175	2013	12	24	10	V	7.1	2	2.66	168
401430175	2013	12	24	11	V	6.5	2	4.36	168
401430175	2013	12	24	12	V	10.0	1	4.36	173
401430175	2013	12	24	13	V	7.1	0	4.36	157
401430175	2013	12	24	14	V	4.6	1	3.36	157
401430175	2013	12	24	15	V	3.2	0	3.36	155
401430175	2013	12	24	16	V	6.8	0	2.36	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	24	17	V	6.0	0	3.86	169
401430175	2013	12	24	18	V	6.4	0	4.36	166
401430175	2013	12	24	19	V	5.5	0	4.4	170
401430175	2013	12	24	20	V	5.3	4	3.32	175
401430175	2013	12	24	21	V	3.0	1	2.73	160
401430175	2013	12	24	22	V	3.3	3	2.84	181
401430175	2013	12	24	23	V	15.3	2	1.08	212
401430175	2013	12	24	24	V	3.9	1	0.82	334
401430175	2013	12	25	1	V	3.2	1	0.75	348
401430175	2013	12	25	2	V	2.6	1	1.09	359
401430175	2013	12	25	3	C	-999	1	0	0
401430175	2013	12	25	4	V	17.7	1	0.79	213
401430175	2013	12	25	5	V	2.4	0	0.92	268
401430175	2013	12	25	6	V	2.1	0	1.2	324
401430175	2013	12	25	7	V	1.9	0	1.01	335
401430175	2013	12	25	8	C	-999	0	0	0
401430175	2013	12	25	9	V	13.1	0	0.58	192
401430175	2013	12	25	10	V	4.4	0	1.04	298
401430175	2013	12	25	11	V	3.1	0	1.99	334
401430175	2013	12	25	12	V	5.6	0	2.15	305
401430175	2013	12	25	13	V	6.6	0	1.69	332
401430175	2013	12	25	14	V	3.1	0	2.22	325
401430175	2013	12	25	15	V	2.0	0	2.66	338
401430175	2013	12	25	16	V	3.5	0	2.01	313
401430175	2013	12	25	17	V	3.4	0	1.57	245
401430175	2013	12	25	18	V	4.6	0	1.09	252
401430175	2013	12	25	19	C	-999	0	0	0
401430175	2013	12	25	20	C	-999	0	0	0
401430175	2013	12	25	21	C	-999	1	0	0
401430175	2013	12	25	22	C	-999	0	0	0
401430175	2013	12	25	23	C	-999	1	0	0
401430175	2013	12	25	24	C	-999	0	0	0
401430175	2013	12	26	1	C	-999	0	0	0
401430175	2013	12	26	2	C	-999	0	0	0
401430175	2013	12	26	3	C	-999	0	0	0
401430175	2013	12	26	4	C	-999	0	0	0
401430175	2013	12	26	5	V	18.8	0	0.8	216
401430175	2013	12	26	6	V	10.7	0	0.79	196
401430175	2013	12	26	7	V	17.5	0	0.94	218
401430175	2013	12	26	8	V	17.4	1	0.97	216
401430175	2013	12	26	9	V	8.3	1	1.16	203
401430175	2013	12	26	10	V	7.9	1	1.06	175
401430175	2013	12	26	11	V	8.9	1	1.42	184
401430175	2013	12	26	12	V	9.5	-999	2.84	190
401430175	2013	12	26	13	V	10.2	1	2.9	185
401430175	2013	12	26	14	V	6.5	1	3.54	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	26	15	V	5.3	1	4.44	191
401430175	2013	12	26	16	V	6.3	0	3.34	187
401430175	2013	12	26	17	V	4.2	0	3.98	185
401430175	2013	12	26	18	V	4.7	0	2.44	192
401430175	2013	12	26	19	V	18.3	0	0.82	221
401430175	2013	12	26	20	V	19.8	0	0.77	222
401430175	2013	12	26	21	V	10.5	0	1.28	209
401430175	2013	12	26	22	V	10.6	0	0.87	183
401430175	2013	12	26	23	V	14.5	0	0.58	182
401430175	2013	12	26	24	C	-999	0	0	0
401430175	2013	12	27	1	C	-999	0	0	0
401430175	2013	12	27	2	V	8.1	0	0.69	241
401430175	2013	12	27	3	V	18.5	0	0.75	225
401430175	2013	12	27	4	V	4.1	0	0.52	313
401430175	2013	12	27	5	V	3.9	0	0.6	259
401430175	2013	12	27	6	V	8.7	0	0.75	238
401430175	2013	12	27	7	V	17.8	1	0.82	215
401430175	2013	12	27	8	V	19.7	1	0.75	214
401430175	2013	12	27	9	C	-999	1	0	0
401430175	2013	12	27	10	V	7.6	0	0.72	161
401430175	2013	12	27	11	V	6.4	1	1.09	152
401430175	2013	12	27	12	V	10.8	1	1.62	179
401430175	2013	12	27	13	V	10.3	1	2.84	184
401430175	2013	12	27	14	V	7.5	1	2.63	190
401430175	2013	12	27	15	V	5.4	1	4.86	192
401430175	2013	12	27	16	V	9.5	1	5.36	200
401430175	2013	12	27	17	V	4.1	2	3.86	186
401430175	2013	12	27	18	V	5.1	1	1.76	191
401430175	2013	12	27	19	C	-999	1	0	0
401430175	2013	12	27	20	C	-999	1	0	0
401430175	2013	12	27	21	C	-999	0	0	0
401430175	2013	12	27	22	C	-999	0	0	0
401430175	2013	12	27	23	C	-999	1	0	0
401430175	2013	12	27	24	C	-999	1	0	0
401430175	2013	12	28	1	C	-999	1	0	0
401430175	2013	12	28	2	C	-999	1	0	0
401430175	2013	12	28	3	C	-999	0	0	0
401430175	2013	12	28	4	C	-999	0	0	0
401430175	2013	12	28	5	C	-999	0	0	0
401430175	2013	12	28	6	C	-999	0	0	0
401430175	2013	12	28	7	C	-999	0	0	0
401430175	2013	12	28	8	C	-999	0	0	0
401430175	2013	12	28	9	C	-999	1	0	0
401430175	2013	12	28	10	M	-999	3	1.76	999
401430175	2013	12	28	11	V	5.6	3	4.86	182
401430175	2013	12	28	12	V	8.6	4	4.86	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	28	13	V	9.0	3	4.86	186
401430175	2013	12	28	14	V	6.6	3	4.86	192
401430175	2013	12	28	15	V	2.8	3	5.36	156
401430175	2013	12	28	16	V	6.0	3	4.86	190
401430175	2013	12	28	17	V	4.5	2	3.36	185
401430175	2013	12	28	18	V	5.3	3	2.36	181
401430175	2013	12	28	19	V	3.7	2	3.86	184
401430175	2013	12	28	20	V	2.8	6	3.36	188
401430175	2013	12	28	21	V	4.9	3	3.86	176
401430175	2013	12	28	22	V	3.6	3	2.36	206
401430175	2013	12	28	23	C	-999	2	0	0
401430175	2013	12	28	24	C	-999	2	0	0
401430175	2013	12	29	1	C	-999	1	0	0
401430175	2013	12	29	2	C	-999	1	0	0
401430175	2013	12	29	3	C	-999	1	0	0
401430175	2013	12	29	4	C	-999	1	0	0
401430175	2013	12	29	5	C	-999	1	0	0
401430175	2013	12	29	6	V	2.0	0	6.46	21
401430175	2013	12	29	7	V	1.6	0	5.36	7
401430175	2013	12	29	8	V	2.4	0	5.96	10
401430175	2013	12	29	9	V	2.0	0	4.86	1
401430175	2013	12	29	10	V	3.0	0	5.36	2
401430175	2013	12	29	11	V	2.9	0	6.46	343
401430175	2013	12	29	12	V	5.4	0	3.86	350
401430175	2013	12	29	13	V	6.2	0	3.86	336
401430175	2013	12	29	14	V	2.9	0	3.86	357
401430175	2013	12	29	15	V	1.9	0	4.36	4
401430175	2013	12	29	16	M	-999	0	2.86	999
401430175	2013	12	29	17	V	3.3	0	3.36	8
401430175	2013	12	29	18	V	4.3	0	3.86	11
401430175	2013	12	29	19	V	2.9	0	3.36	16
401430175	2013	12	29	20	V	2.4	0	5.36	6
401430175	2013	12	29	21	V	2.6	0	3.36	18
401430175	2013	12	29	22	V	2.7	0	5.36	21
401430175	2013	12	29	23	V	3.7	0	3.86	356
401430175	2013	12	29	24	V	3.2	0	2.86	16
401430175	2013	12	30	1	V	2.3	0	2.36	7
401430175	2013	12	30	2	V	2.4	0	3.86	360
401430175	2013	12	30	3	V	1.9	0	2.36	357
401430175	2013	12	30	4	V	1.9	0	3.86	4
401430175	2013	12	30	5	V	2.1	0	2.86	12
401430175	2013	12	30	6	V	2.0	0	4.36	17
401430175	2013	12	30	7	V	1.7	0	2.86	36
401430175	2013	12	30	8	C	-999	0	0	0
401430175	2013	12	30	9	V	2.0	0	2.36	59
401430175	2013	12	30	10	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430175	2013	12	30	11	C	-999	1	0	0
401430175	2013	12	30	12	C	-999	3	0	0
401430175	2013	12	30	13	M	-999	1	2.36	999
401430175	2013	12	30	14	C	-999	1	0	0
401430175	2013	12	30	15	C	-999	1	0	0
401430175	2013	12	30	16	V	7.3	1	2.36	192
401430175	2013	12	30	17	V	8.4	1	1.76	221
401430175	2013	12	30	18	C	-999	0	0	0
401430175	2013	12	30	19	C	-999	0	0	0
401430175	2013	12	30	20	C	-999	0	0	0
401430175	2013	12	30	21	C	-999	1	0	0
401430175	2013	12	30	22	C	-999	1	0	0
401430175	2013	12	30	23	C	-999	1	0	0
401430175	2013	12	30	24	C	-999	0	0	0
401430175	2013	12	31	1	C	-999	0	0	0
401430175	2013	12	31	2	C	-999	0	0	0
401430175	2013	12	31	3	C	-999	1	0	0
401430175	2013	12	31	4	C	-999	0	0	0
401430175	2013	12	31	5	C	-999	1	0	0
401430175	2013	12	31	6	C	-999	1	0	0
401430175	2013	12	31	7	C	-999	0	0	0
401430175	2013	12	31	8	C	-999	2	0	0
401430175	2013	12	31	9	C	-999	1	0	0
401430175	2013	12	31	10	C	-999	1	0	0
401430175	2013	12	31	11	V	6.5	1	3.86	173
401430175	2013	12	31	12	V	10.2	2	5.96	200
401430175	2013	12	31	13	V	8.3	1	7.46	183
401430175	2013	12	31	14	V	5.6	-999	6.46	181
401430175	2013	12	31	15	V	5.8	-999	7.46	195
401430175	2013	12	31	16	V	9.2	1	9.06	204
401430175	2013	12	31	17	V	3.9	1	4.86	190
401430175	2013	12	31	18	V	7.0	1	3.36	167
401430175	2013	12	31	19	V	6.1	2	3.36	173
401430175	2013	12	31	20	V	4.6	3	2.86	167
401430175	2013	12	31	21	V	5.5	2	2.86	169
401430175	2013	12	31	22	V	3.3	3	2.36	202
401430175	2013	12	31	23	V	4.1	2	2.36	194
401430175	2013	12	31	24	C	-999	4	0	0
401430235	2011	1	1	1	V	8.7	2	3.37	339
401430235	2011	1	1	2	V	12.2	4	3.22	336
401430235	2011	1	1	3	V	11.4	12	2.64	336
401430235	2011	1	1	4	V	25.8	15	2.13	327
401430235	2011	1	1	5	V	21.0	6	2.5	321
401430235	2011	1	1	6	V	33.5	9	2.35	315
401430235	2011	1	1	7	V	19.3	5	1.65	306
401430235	2011	1	1	8	V	2.9	0	1.2	284

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	1	9	V	2.1	0	1.65	284
401430235	2011	1	1	10	V	10.9	1	2.59	306
401430235	2011	1	1	11	V	10.5	6	2.3	307
401430235	2011	1	1	12	V	10.9	4	2.33	303
401430235	2011	1	1	13	V	10.1	2	2.95	300
401430235	2011	1	1	14	V	9.2	0	3.08	307
401430235	2011	1	1	15	V	10.4	0	3.08	313
401430235	2011	1	1	16	V	6.2	0	2.81	298
401430235	2011	1	1	17	V	3.8	0	2.06	297
401430235	2011	1	1	18	V	4.9	0	1.76	294
401430235	2011	1	1	19	V	20.3	0	1.06	304
401430235	2011	1	1	20	V	4.0	3	0.77	283
401430235	2011	1	1	21	V	3.9	1	0.77	276
401430235	2011	1	1	22	C	-999	1	0	0
401430235	2011	1	1	23	V	4.4	0	0.91	233
401430235	2011	1	1	24	V	5.3	1	0.62	240
401430235	2011	1	2	1	V	3.3	0	1.01	191
401430235	2011	1	2	2	V	4.4	1	0.7	197
401430235	2011	1	2	3	V	2.7	0	0.91	223
401430235	2011	1	2	4	V	3.3	1	0.74	210
401430235	2011	1	2	5	V	4.5	0	0.57	244
401430235	2011	1	2	6	V	2.5	0	0.97	233
401430235	2011	1	2	7	V	2.6	0	0.79	232
401430235	2011	1	2	8	V	4.6	0	0.62	223
401430235	2011	1	2	9	V	3.2	1	0.92	187
401430235	2011	1	2	10	V	4.2	0	1.28	186
401430235	2011	1	2	11	V	3.5	0	1.96	177
401430235	2011	1	2	12	V	5.7	0	3.15	181
401430235	2011	1	2	13	V	6.4	0	3.9	181
401430235	2011	1	2	14	V	3.1	0	5.05	183
401430235	2011	1	2	15	V	2.1	0	4.66	187
401430235	2011	1	2	16	V	3.4	0	4.61	186
401430235	2011	1	2	17	V	3.4	0	4.46	186
401430235	2011	1	2	18	V	4.5	0	1.91	194
401430235	2011	1	2	19	V	3.8	0	0.82	207
401430235	2011	1	2	20	V	3.2	0	1.09	184
401430235	2011	1	2	21	V	3.0	0	1.23	206
401430235	2011	1	2	22	V	2.7	0	2.52	203
401430235	2011	1	2	23	V	3.9	0	2.18	191
401430235	2011	1	2	24	V	3.6	0	1.28	207
401430235	2011	1	3	1	V	3.2	0	0.86	164
401430235	2011	1	3	2	V	3.2	0	1.14	190
401430235	2011	1	3	3	V	2.4	0	1.03	159
401430235	2011	1	3	4	V	2.0	0	1.7	170
401430235	2011	1	3	5	V	2.1	0	2.64	161
401430235	2011	1	3	6	V	2.0	0	2.9	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	3	7	V	1.7	0	3.3	163
401430235	2011	1	3	8	V	2.4	0	4.1	166
401430235	2011	1	3	9	V	2.1	1	3.61	168
401430235	2011	1	3	10	V	3.2	1	5.07	182
401430235	2011	1	3	11	V	3.1	1	7.25	190
401430235	2011	1	3	12	V	5.5	1	7.5	199
401430235	2011	1	3	13	V	6.4	1	7.06	197
401430235	2011	1	3	14	V	3.0	1	6.4	201
401430235	2011	1	3	15	V	2.1	1	5.8	187
401430235	2011	1	3	16	V	3.5	1	5.8	188
401430235	2011	1	3	17	V	3.5	1	4.14	194
401430235	2011	1	3	18	V	4.4	1	2.42	194
401430235	2011	1	3	19	V	3.5	0	1.23	219
401430235	2011	1	3	20	V	2.5	0	2.03	358
401430235	2011	1	3	21	V	2.7	0	2.27	359
401430235	2011	1	3	22	V	2.8	0	1.6	2
401430235	2011	1	3	23	V	3.8	0	1.77	7
401430235	2011	1	3	24	V	3.4	0	1.55	355
401430235	2011	1	4	1	V	2.4	0	1.81	6
401430235	2011	1	4	2	V	3.5	0	1.08	348
401430235	2011	1	4	3	V	1.9	0	2.52	7
401430235	2011	1	4	4	V	1.9	0	3	14
401430235	2011	1	4	5	V	2.1	0	3.57	11
401430235	2011	1	4	6	V	2.0	0	3.58	10
401430235	2011	1	4	7	V	1.7	0	3.57	12
401430235	2011	1	4	8	V	2.4	0	3.2	8
401430235	2011	1	4	9	V	2.1	0	2.81	18
401430235	2011	1	4	10	V	3.3	0	4.14	28
401430235	2011	1	4	11	V	5.7	2	5.55	38
401430235	2011	1	4	12	V	7.6	1	6.38	38
401430235	2011	1	4	13	V	8.5	0	5.24	45
401430235	2011	1	4	14	V	3.9	0	4.63	49
401430235	2011	1	4	15	V	2.0	0	3.58	59
401430235	2011	1	4	16	V	3.2	0	2.79	64
401430235	2011	1	4	17	V	3.5	0	2.81	60
401430235	2011	1	4	18	V	4.5	0	2.18	49
401430235	2011	1	4	19	V	5.6	1	1.37	36
401430235	2011	1	4	20	V	2.5	1	1.82	16
401430235	2011	1	4	21	V	2.7	0	1.69	10
401430235	2011	1	4	22	V	2.9	0	1.35	357
401430235	2011	1	4	23	V	3.9	0	1.45	352
401430235	2011	1	4	24	V	39.4	1	1.31	328
401430235	2011	1	5	1	V	4.3	0	1.42	342
401430235	2011	1	5	2	V	3.3	0	0.86	149
401430235	2011	1	5	3	V	41.5	0	1.31	319
401430235	2011	1	5	4	V	41.9	0	1.21	320

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	5	5	V	2.9	0	0.92	282
401430235	2011	1	5	6	V	25.3	0	0.96	306
401430235	2011	1	5	7	V	3.6	1	0.62	241
401430235	2011	1	5	8	V	4.9	1	0.55	254
401430235	2011	1	5	9	C	-999	2	0	0
401430235	2011	1	5	10	V	5.7	17	0.94	247
401430235	2011	1	5	11	V	15.9	30	2.37	330
401430235	2011	1	5	12	V	19.0	7	2.76	318
401430235	2011	1	5	13	V	12.7	4	2.88	307
401430235	2011	1	5	14	V	5.6	1	3.56	298
401430235	2011	1	5	15	V	3.3	0	3.81	294
401430235	2011	1	5	16	V	3.5	1	3.25	286
401430235	2011	1	5	17	V	3.6	3	2.66	288
401430235	2011	1	5	18	V	4.5	5	1.42	271
401430235	2011	1	5	19	V	3.1	6	1.48	256
401430235	2011	1	5	20	V	2.5	2	1.94	268
401430235	2011	1	5	21	V	2.9	1	1.33	274
401430235	2011	1	5	22	V	14.4	1	1.84	305
401430235	2011	1	5	23	V	24.3	24	2.37	321
401430235	2011	1	5	24	V	16.6	53	2.84	333
401430235	2011	1	6	1	V	11.4	64	2.64	335
401430235	2011	1	6	2	V	38.3	21	2.01	312
401430235	2011	1	6	3	V	3.4	4	1.01	290
401430235	2011	1	6	4	V	6.7	3	0.79	293
401430235	2011	1	6	5	V	2.3	1	1.42	276
401430235	2011	1	6	6	V	2.4	0	1.09	245
401430235	2011	1	6	7	V	2.1	0	1.04	250
401430235	2011	1	6	8	V	3.0	0	1.06	221
401430235	2011	1	6	9	V	2.7	0	0.89	158
401430235	2011	1	6	10	V	4.2	1	2.5	289
401430235	2011	1	6	11	V	2.9	1	3.44	272
401430235	2011	1	6	12	V	5.5	1	4.23	285
401430235	2011	1	6	13	V	6.3	0	4.19	278
401430235	2011	1	6	14	V	3.0	1	4.14	281
401430235	2011	1	6	15	V	3.8	3	4.36	297
401430235	2011	1	6	16	V	4.1	1	3.93	293
401430235	2011	1	6	17	V	3.7	0	3.03	288
401430235	2011	1	6	18	V	4.5	2	1.6	256
401430235	2011	1	6	19	V	3.1	0	1.48	243
401430235	2011	1	6	20	V	2.5	0	1.94	243
401430235	2011	1	6	21	V	2.7	0	1.76	263
401430235	2011	1	6	22	V	2.7	0	2.56	255
401430235	2011	1	6	23	V	3.7	0	2.62	260
401430235	2011	1	6	24	V	3.3	0	2.08	261
401430235	2011	1	7	1	V	2.4	0	1.98	268
401430235	2011	1	7	2	V	2.5	0	1.88	279

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	7	3	V	2.1	0	1.43	267
401430235	2011	1	7	4	V	2.0	0	1.72	274
401430235	2011	1	7	5	V	2.1	0	2.44	263
401430235	2011	1	7	6	V	2.0	1	2.76	267
401430235	2011	1	7	7	V	1.7	1	3.71	268
401430235	2011	1	7	8	V	3.1	1	3.91	296
401430235	2011	1	7	9	V	5.0	1	3.76	297
401430235	2011	1	7	10	V	8.7	1	3.58	305
401430235	2011	1	7	11	V	11.4	21	3.73	315
401430235	2011	1	7	12	V	10.3	15	4.82	332
401430235	2011	1	7	13	V	12.7	17	4.78	328
401430235	2011	1	7	14	V	8.1	14	6.04	331
401430235	2011	1	7	15	V	6.8	9	5.43	333
401430235	2011	1	7	16	V	8.7	13	5.7	333
401430235	2011	1	7	17	V	22.0	16	4.9	328
401430235	2011	1	7	18	V	9.7	10	4.6	338
401430235	2011	1	7	19	V	7.5	2	3.03	338
401430235	2011	1	7	20	V	4.7	0	2.52	339
401430235	2011	1	7	21	V	2.7	0	4.12	355
401430235	2011	1	7	22	V	2.7	0	3.8	4
401430235	2011	1	7	23	V	4.8	0	2.62	341
401430235	2011	1	7	24	V	5.4	5	2.61	339
401430235	2011	1	8	1	V	42.4	20	1.65	312
401430235	2011	1	8	2	V	2.6	10	1.82	287
401430235	2011	1	8	3	V	21.3	4	2.47	321
401430235	2011	1	8	4	V	23.8	34	2.16	322
401430235	2011	1	8	5	V	22.5	10	1.43	306
401430235	2011	1	8	6	V	28.5	23	2.01	328
401430235	2011	1	8	7	V	2.0	16	2.37	343
401430235	2011	1	8	8	V	28.0	27	1.89	331
401430235	2011	1	8	9	V	2.1	1	3.18	1
401430235	2011	1	8	10	V	3.0	0	4.32	17
401430235	2011	1	8	11	V	2.9	0	4.07	8
401430235	2011	1	8	12	V	5.6	0	4.09	27
401430235	2011	1	8	13	V	6.3	0	3.68	20
401430235	2011	1	8	14	V	5.3	0	2.93	38
401430235	2011	1	8	15	V	2.0	0	3.13	62
401430235	2011	1	8	16	V	3.3	0	2.72	62
401430235	2011	1	8	17	V	3.4	5	3.22	62
401430235	2011	1	8	18	V	4.3	1	3.03	63
401430235	2011	1	8	19	V	2.9	0	3.25	74
401430235	2011	1	8	20	V	2.4	0	3.15	66
401430235	2011	1	8	21	V	2.6	0	2.91	57
401430235	2011	1	8	22	V	9.5	1	3.08	40
401430235	2011	1	8	23	V	6.5	1	2.71	37
401430235	2011	1	8	24	V	3.2	1	2.69	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	9	1	V	2.3	0	3.1	23
401430235	2011	1	9	2	V	2.4	0	3.52	30
401430235	2011	1	9	3	V	4.4	0	3.78	38
401430235	2011	1	9	4	V	3.1	0	3.74	45
401430235	2011	1	9	5	V	2.1	0	3.27	55
401430235	2011	1	9	6	V	2.1	0	2.98	85
401430235	2011	1	9	7	V	1.7	0	3.75	114
401430235	2011	1	9	8	V	2.4	0	5.75	128
401430235	2011	1	9	9	V	2.0	0	5.89	125
401430235	2011	1	9	10	V	2.9	1	6.01	128
401430235	2011	1	9	11	V	2.8	2	5.96	126
401430235	2011	1	9	12	V	5.3	1	6.07	122
401430235	2011	1	9	13	V	6.2	3	5.33	128
401430235	2011	1	9	14	V	2.9	6	5.19	115
401430235	2011	1	9	15	V	1.9	1	5.36	115
401430235	2011	1	9	16	V	3.2	1	4.65	117
401430235	2011	1	9	17	V	3.4	0	5.19	106
401430235	2011	1	9	18	V	4.4	0	4.66	106
401430235	2011	1	9	19	V	3.0	0	3.81	115
401430235	2011	1	9	20	V	2.4	0	3.88	116
401430235	2011	1	9	21	V	2.7	0	4.1	121
401430235	2011	1	9	22	V	2.7	0	3.66	117
401430235	2011	1	9	23	V	3.8	0	2.73	108
401430235	2011	1	9	24	V	3.3	0	2.86	98
401430235	2011	1	10	1	V	2.4	0	2.61	104
401430235	2011	1	10	2	V	2.5	0	3.25	108
401430235	2011	1	10	3	V	1.9	0	3.23	128
401430235	2011	1	10	4	V	1.9	0	3.18	134
401430235	2011	1	10	5	V	2.1	0	3.49	133
401430235	2011	1	10	6	V	2.0	0	2.96	145
401430235	2011	1	10	7	V	1.7	0	2.71	162
401430235	2011	1	10	8	V	2.4	0	2.86	146
401430235	2011	1	10	9	V	2.1	0	2.32	140
401430235	2011	1	10	10	V	3.1	0	2.47	132
401430235	2011	1	10	11	V	3.0	0	2.35	138
401430235	2011	1	10	12	V	5.6	0	1.82	145
401430235	2011	1	10	13	V	6.6	0	2.11	189
401430235	2011	1	10	14	V	3.4	0	1.64	212
401430235	2011	1	10	15	V	2.4	0	1.47	280
401430235	2011	1	10	16	V	6.5	-999	1.69	299
401430235	2011	1	10	17	V	20.7	0	1.93	306
401430235	2011	1	10	18	V	4.5	0	1.42	280
401430235	2011	1	10	19	V	3.4	0	1.04	273
401430235	2011	1	10	20	V	26.2	1	3.12	310
401430235	2011	1	10	21	V	19.8	1	3.69	328
401430235	2011	1	10	22	V	25.1	2	3.64	320

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	10	23	V	21.0	2	4.48	310
401430235	2011	1	10	24	V	13.2	1	4.19	306
401430235	2011	1	11	1	V	17.5	1	3.86	309
401430235	2011	1	11	2	V	20.6	4	3.98	312
401430235	2011	1	11	3	V	21.0	6	4.07	315
401430235	2011	1	11	4	V	25.5	7	3.59	317
401430235	2011	1	11	5	V	22.2	9	3.69	311
401430235	2011	1	11	6	V	8.9	4	3.92	304
401430235	2011	1	11	7	V	9.4	1	3.69	304
401430235	2011	1	11	8	V	14.0	0	3.66	306
401430235	2011	1	11	9	V	21.8	5	4.09	312
401430235	2011	1	11	10	V	13.3	17	4.09	312
401430235	2011	1	11	11	V	12.5	13	4.05	314
401430235	2011	1	11	12	V	13.3	13	4.1	325
401430235	2011	1	11	13	V	13.9	13	4.63	324
401430235	2011	1	11	14	V	11.5	18	4.53	316
401430235	2011	1	11	15	V	11.1	15	4.07	316
401430235	2011	1	11	16	V	13.6	10	4.19	315
401430235	2011	1	11	17	V	20.4	7	4.07	309
401430235	2011	1	11	18	V	23.2	15	2.57	324
401430235	2011	1	11	19	V	7.5	23	2.78	337
401430235	2011	1	11	20	V	22.0	12	2.27	308
401430235	2011	1	11	21	V	41.9	15	1.76	313
401430235	2011	1	11	22	V	38.4	23	1.42	320
401430235	2011	1	11	23	V	29.9	17	1.82	323
401430235	2011	1	11	24	V	25.4	20	2.4	330
401430235	2011	1	12	1	V	5.2	23	3.34	340
401430235	2011	1	12	2	V	2.7	10	2.57	343
401430235	2011	1	12	3	V	42.4	5	1.67	314
401430235	2011	1	12	4	V	23.5	15	2.04	308
401430235	2011	1	12	5	V	33.0	6	2.38	315
401430235	2011	1	12	6	V	21.9	8	2.54	326
401430235	2011	1	12	7	V	21.6	17	2.37	321
401430235	2011	1	12	8	V	13.6	16	2.71	334
401430235	2011	1	12	9	V	20.0	18	2.98	331
401430235	2011	1	12	10	V	8.7	3	3.18	336
401430235	2011	1	12	11	V	6.5	3	2.47	341
401430235	2011	1	12	12	V	11.8	4	2.03	303
401430235	2011	1	12	13	V	14.6	1	2.2	317
401430235	2011	1	12	14	V	10.4	1	2.18	317
401430235	2011	1	12	15	V	8.3	2	2.32	307
401430235	2011	1	12	16	V	6.5	2	2.57	341
401430235	2011	1	12	17	V	15.9	1	2.04	336
401430235	2011	1	12	18	V	33.0	1	1.59	331
401430235	2011	1	12	19	V	41.1	1	1.18	324
401430235	2011	1	12	20	V	16.5	1	1.47	336

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	12	21	V	19.9	1	0.92	337
401430235	2011	1	12	22	V	4.5	1	0.65	9
401430235	2011	1	12	23	V	5.2	0	0.7	255
401430235	2011	1	12	24	V	5.4	1	0.58	274
401430235	2011	1	13	1	V	3.8	1	0.7	264
401430235	2011	1	13	2	V	5.5	1	0.52	215
401430235	2011	1	13	3	V	4.7	1	0.52	258
401430235	2011	1	13	4	V	2.7	0	0.92	221
401430235	2011	1	13	5	V	3.9	0	0.65	268
401430235	2011	1	13	6	V	4.5	0	0.55	250
401430235	2011	1	13	7	V	2.1	1	1.09	224
401430235	2011	1	13	8	V	5.3	1	0.52	229
401430235	2011	1	13	9	V	2.6	0	1.26	190
401430235	2011	1	13	10	V	3.4	1	2.61	187
401430235	2011	1	13	11	V	3.1	2	4.39	185
401430235	2011	1	13	12	V	5.6	2	4.99	184
401430235	2011	1	13	13	V	6.5	2	5.53	187
401430235	2011	1	13	14	V	3.1	1	6.01	191
401430235	2011	1	13	15	V	2.1	1	6.6	194
401430235	2011	1	13	16	V	3.4	1	6.04	192
401430235	2011	1	13	17	V	3.5	1	6.13	186
401430235	2011	1	13	18	V	4.4	1	4.95	189
401430235	2011	1	13	19	V	3.0	1	4.05	188
401430235	2011	1	13	20	V	2.4	0	3.2	189
401430235	2011	1	13	21	V	2.7	1	3.64	187
401430235	2011	1	13	22	V	2.8	0	3.75	190
401430235	2011	1	13	23	V	3.8	0	3.91	195
401430235	2011	1	13	24	V	3.3	0	3.18	192
401430235	2011	1	14	1	V	2.4	0	3.13	187
401430235	2011	1	14	2	V	2.4	0	2.18	176
401430235	2011	1	14	3	V	2.1	0	1.94	188
401430235	2011	1	14	4	V	2.0	0	2.47	191
401430235	2011	1	14	5	V	2.4	0	1.86	191
401430235	2011	1	14	6	V	2.3	0	1.26	150
401430235	2011	1	14	7	V	1.8	0	1.69	170
401430235	2011	1	14	8	V	2.5	0	2.06	168
401430235	2011	1	14	9	V	2.1	1	2.16	166
401430235	2011	1	14	10	V	3.2	1	4	179
401430235	2011	1	14	11	V	3.1	2	4.63	195
401430235	2011	1	14	12	V	5.7	2	3.13	180
401430235	2011	1	14	13	V	6.5	2	2.59	165
401430235	2011	1	14	14	V	3.1	1	2.93	159
401430235	2011	1	14	15	V	2.1	1	2.81	161
401430235	2011	1	14	16	V	3.3	1	3.07	154
401430235	2011	1	14	17	V	3.5	1	3.32	157
401430235	2011	1	14	18	V	4.3	1	3.03	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	14	19	V	3.3	1	1.6	189
401430235	2011	1	14	20	V	2.8	0	1.55	194
401430235	2011	1	14	21	V	2.7	0	2.28	203
401430235	2011	1	14	22	V	3.0	0	1.91	212
401430235	2011	1	14	23	V	3.8	0	2.16	200
401430235	2011	1	14	24	V	3.8	0	1.18	219
401430235	2011	1	15	1	V	2.5	0	1.59	203
401430235	2011	1	15	2	V	2.8	0	1.28	208
401430235	2011	1	15	3	V	2.3	0	1.2	205
401430235	2011	1	15	4	V	2.0	0	1.52	230
401430235	2011	1	15	5	V	2.2	0	1.98	204
401430235	2011	1	15	6	V	3.8	0	0.75	187
401430235	2011	1	15	7	V	4.8	0	0.52	197
401430235	2011	1	15	8	V	4.6	0	0.63	201
401430235	2011	1	15	9	C	-999	1	0	0
401430235	2011	1	15	10	V	4.1	1	1.59	182
401430235	2011	1	15	11	V	3.2	1	3.17	215
401430235	2011	1	15	12	V	5.9	1	2.33	204
401430235	2011	1	15	13	V	6.7	1	2.21	195
401430235	2011	1	15	14	V	4.4	1	1.26	212
401430235	2011	1	15	15	V	2.5	1	1.67	171
401430235	2011	1	15	16	V	3.6	1	1.79	175
401430235	2011	1	15	17	V	3.7	1	1.5	169
401430235	2011	1	15	18	V	4.5	1	1.48	100
401430235	2011	1	15	19	V	6.8	1	1.45	37
401430235	2011	1	15	20	V	2.4	0	4.77	11
401430235	2011	1	15	21	V	2.7	0	4.37	15
401430235	2011	1	15	22	V	2.7	1	4.41	14
401430235	2011	1	15	23	V	3.8	1	4.61	17
401430235	2011	1	15	24	V	3.3	1	3.95	20
401430235	2011	1	16	1	V	2.4	0	3.29	14
401430235	2011	1	16	2	V	2.4	0	3.39	13
401430235	2011	1	16	3	V	1.9	0	3.8	14
401430235	2011	1	16	4	V	1.9	0	3.75	12
401430235	2011	1	16	5	V	2.1	0	4.1	10
401430235	2011	1	16	6	V	2.0	0	4.14	14
401430235	2011	1	16	7	V	1.6	0	4.54	17
401430235	2011	1	16	8	V	2.4	0	4.63	14
401430235	2011	1	16	9	V	2.1	1	3.81	10
401430235	2011	1	16	10	V	3.0	1	3.73	17
401430235	2011	1	16	11	V	3.0	1	3.25	13
401430235	2011	1	16	12	V	6.8	2	2.45	30
401430235	2011	1	16	13	V	6.4	3	3.22	22
401430235	2011	1	16	14	V	3.2	4	2.33	16
401430235	2011	1	16	15	V	4.4	4	2.03	37
401430235	2011	1	16	16	V	5.8	4	1.84	41

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	16	17	V	3.6	5	1.65	16
401430235	2011	1	16	18	V	8.1	3	0.92	345
401430235	2011	1	16	19	V	3.7	2	0.91	359
401430235	2011	1	16	20	V	7.4	2	0.52	349
401430235	2011	1	16	21	C	-999	1	0	0
401430235	2011	1	16	22	V	4.3	1	0.67	239
401430235	2011	1	16	23	V	5.0	2	0.75	276
401430235	2011	1	16	24	V	4.3	2	0.77	242
401430235	2011	1	17	1	V	3.1	2	1.03	200
401430235	2011	1	17	2	V	3.0	1	1.08	214
401430235	2011	1	17	3	V	1.9	0	2.49	172
401430235	2011	1	17	4	V	2.0	0	1.65	156
401430235	2011	1	17	5	V	2.5	0	1.13	147
401430235	2011	1	17	6	V	2.4	0	1.14	157
401430235	2011	1	17	7	V	1.7	0	2.57	175
401430235	2011	1	17	8	V	2.5	0	3.01	171
401430235	2011	1	17	9	V	2.1	0	3.17	159
401430235	2011	1	17	10	V	3.1	0	3.32	170
401430235	2011	1	17	11	V	3.0	0	3.49	173
401430235	2011	1	17	12	V	5.6	0	4.6	189
401430235	2011	1	17	13	V	6.4	1	6.31	196
401430235	2011	1	17	14	V	3.0	1	5.58	200
401430235	2011	1	17	15	V	2.0	0	5.51	198
401430235	2011	1	17	16	V	3.4	0	4.44	191
401430235	2011	1	17	17	V	3.5	0	3.59	189
401430235	2011	1	17	18	V	4.4	0	2.93	182
401430235	2011	1	17	19	V	3.0	0	2.37	183
401430235	2011	1	17	20	V	2.5	0	2.45	182
401430235	2011	1	17	21	V	2.8	0	2.74	187
401430235	2011	1	17	22	V	2.9	0	1.84	196
401430235	2011	1	17	23	V	5.1	0	0.77	205
401430235	2011	1	17	24	C	-999	0	0	0
401430235	2011	1	18	1	V	41.7	1	0.63	315
401430235	2011	1	18	2	V	4.4	1	0.62	260
401430235	2011	1	18	3	V	29.1	1	1.93	309
401430235	2011	1	18	4	V	1.9	0	4.58	4
401430235	2011	1	18	5	V	2.1	0	4.87	6
401430235	2011	1	18	6	V	2.0	0	3.83	5
401430235	2011	1	18	7	V	1.7	0	3.95	6
401430235	2011	1	18	8	V	2.4	1	5.22	8
401430235	2011	1	18	9	V	2.2	0	4.48	353
401430235	2011	1	18	10	V	4.0	0	3.85	344
401430235	2011	1	18	11	V	4.2	0	3.95	342
401430235	2011	1	18	12	V	7.4	0	3.69	341
401430235	2011	1	18	13	V	9.2	1	3.78	339
401430235	2011	1	18	14	V	4.5	3	3.61	342

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	18	15	V	10.3	3	3.2	332
401430235	2011	1	18	16	V	11.1	4	2.86	333
401430235	2011	1	18	17	V	4.6	5	2.98	349
401430235	2011	1	18	18	V	21.5	4	1.76	334
401430235	2011	1	18	19	V	3.1	1	1.84	347
401430235	2011	1	18	20	V	2.4	0	2.25	2
401430235	2011	1	18	21	V	2.7	0	1.98	356
401430235	2011	1	18	22	V	2.7	0	2.45	16
401430235	2011	1	18	23	V	3.8	0	2.3	11
401430235	2011	1	18	24	V	3.4	0	1.69	354
401430235	2011	1	19	1	V	2.8	0	1.04	360
401430235	2011	1	19	2	V	2.7	0	1.21	352
401430235	2011	1	19	3	V	1.9	0	2.71	27
401430235	2011	1	19	4	V	1.9	0	1.98	24
401430235	2011	1	19	5	V	9.2	0	2.35	40
401430235	2011	1	19	6	V	2.0	0	2.27	29
401430235	2011	1	19	7	V	1.7	0	1.87	6
401430235	2011	1	19	8	V	2.4	1	2.39	28
401430235	2011	1	19	9	V	3.1	0	3.73	47
401430235	2011	1	19	10	V	3.0	0	3.81	69
401430235	2011	1	19	11	V	2.9	0	4.02	67
401430235	2011	1	19	12	V	5.5	1	3.34	75
401430235	2011	1	19	13	V	6.3	1	4.07	91
401430235	2011	1	19	14	V	2.9	1	3.97	103
401430235	2011	1	19	15	V	1.9	1	3.95	93
401430235	2011	1	19	16	V	3.2	1	4.78	99
401430235	2011	1	19	17	V	3.4	1	5.14	114
401430235	2011	1	19	18	V	4.4	1	3.69	51
401430235	2011	1	19	19	V	3.0	1	3.52	16
401430235	2011	1	19	20	V	2.4	0	4.42	13
401430235	2011	1	19	21	V	2.7	0	4.58	16
401430235	2011	1	19	22	V	2.7	0	4.54	16
401430235	2011	1	19	23	V	3.8	0	4.8	14
401430235	2011	1	19	24	V	3.3	0	5.02	7
401430235	2011	1	20	1	V	2.4	0	5.31	6
401430235	2011	1	20	2	V	2.4	0	5.99	3
401430235	2011	1	20	3	V	1.9	0	5.29	1
401430235	2011	1	20	4	V	1.9	0	5.38	359
401430235	2011	1	20	5	V	2.1	0	4.83	357
401430235	2011	1	20	6	V	2.2	0	4.83	352
401430235	2011	1	20	7	V	2.7	0	4.34	346
401430235	2011	1	20	8	V	3.4	0	4	346
401430235	2011	1	20	9	V	3.7	0	4.75	345
401430235	2011	1	20	10	V	3.2	0	4.93	347
401430235	2011	1	20	11	V	3.0	0	4.42	353
401430235	2011	1	20	12	V	5.7	0	4.51	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	20	13	V	6.5	-999	5	350
401430235	2011	1	20	14	V	3.0	0	4.34	355
401430235	2011	1	20	15	V	1.9	0	4.99	12
401430235	2011	1	20	16	V	3.2	0	4.49	7
401430235	2011	1	20	17	V	3.5	0	3.37	12
401430235	2011	1	20	18	V	4.4	0	1.62	1
401430235	2011	1	20	19	V	3.8	0	0.74	260
401430235	2011	1	20	20	V	4.2	1	0.65	255
401430235	2011	1	20	21	V	5.4	2	0.52	274
401430235	2011	1	20	22	V	3.9	2	0.74	237
401430235	2011	1	20	23	V	5.8	3	0.63	224
401430235	2011	1	20	24	V	5.5	2	0.63	217
401430235	2011	1	21	1	C	-999	1	0	0
401430235	2011	1	21	2	V	4.0	1	0.69	273
401430235	2011	1	21	3	C	-999	2	0	0
401430235	2011	1	21	4	V	2.7	1	0.86	225
401430235	2011	1	21	5	V	4.1	1	0.62	238
401430235	2011	1	21	6	V	2.7	0	1.11	197
401430235	2011	1	21	7	V	2.3	0	1.14	199
401430235	2011	1	21	8	V	2.5	0	2.03	175
401430235	2011	1	21	9	V	2.3	0	3.27	190
401430235	2011	1	21	10	V	3.3	0	3.76	189
401430235	2011	1	21	11	V	3.2	1	4.83	189
401430235	2011	1	21	12	V	5.6	1	4.9	193
401430235	2011	1	21	13	V	6.5	1	5.67	189
401430235	2011	1	21	14	V	3.0	0	5.77	197
401430235	2011	1	21	15	V	2.1	1	5.84	192
401430235	2011	1	21	16	V	3.4	0	4.42	194
401430235	2011	1	21	17	V	3.5	0	3.63	184
401430235	2011	1	21	18	V	4.4	0	3.34	183
401430235	2011	1	21	19	V	3.0	0	1.99	178
401430235	2011	1	21	20	V	2.6	0	1.89	185
401430235	2011	1	21	21	V	3.7	0	0.96	183
401430235	2011	1	21	22	V	3.8	0	0.92	194
401430235	2011	1	21	23	V	4.6	0	0.84	246
401430235	2011	1	21	24	V	41.6	0	0.82	325
401430235	2011	1	22	1	V	3.9	1	0.67	59
401430235	2011	1	22	2	V	3.3	1	0.92	209
401430235	2011	1	22	3	V	2.8	1	0.89	218
401430235	2011	1	22	4	V	2.7	1	0.89	277
401430235	2011	1	22	5	V	3.9	1	0.65	257
401430235	2011	1	22	6	V	4.0	1	0.62	266
401430235	2011	1	22	7	V	2.5	3	1.11	186
401430235	2011	1	22	8	V	3.5	2	0.77	228
401430235	2011	1	22	9	V	2.9	1	1.06	188
401430235	2011	1	22	10	V	4.6	1	1.21	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	22	11	V	4.4	1	1.59	174
401430235	2011	1	22	12	V	5.6	0	3.59	180
401430235	2011	1	22	13	V	6.3	1	4.39	173
401430235	2011	1	22	14	V	3.1	1	4.93	180
401430235	2011	1	22	15	V	2.0	1	4.71	169
401430235	2011	1	22	16	V	3.2	1	5.28	159
401430235	2011	1	22	17	V	3.3	1	4.37	137
401430235	2011	1	22	18	V	4.4	0	3.47	150
401430235	2011	1	22	19	V	2.9	0	3.54	136
401430235	2011	1	22	20	V	2.4	0	4.32	141
401430235	2011	1	22	21	V	2.7	0	3.44	151
401430235	2011	1	22	22	V	2.7	0	2.33	157
401430235	2011	1	22	23	V	3.8	0	1.96	162
401430235	2011	1	22	24	V	3.2	0	2.64	177
401430235	2011	1	23	1	V	2.6	1	1.26	233
401430235	2011	1	23	2	V	6.3	1	0.91	345
401430235	2011	1	23	3	V	2.7	1	0.84	258
401430235	2011	1	23	4	V	3.3	1	0.7	254
401430235	2011	1	23	5	V	2.5	1	1.08	257
401430235	2011	1	23	6	V	31.9	1	2.16	317
401430235	2011	1	23	7	V	2.3	0	3.88	346
401430235	2011	1	23	8	V	25.1	0	2.27	327
401430235	2011	1	23	9	V	27.1	0	3.39	319
401430235	2011	1	23	10	V	12.5	0	3.91	320
401430235	2011	1	23	11	V	10.9	0	4	324
401430235	2011	1	23	12	V	17.3	1	4.09	315
401430235	2011	1	23	13	V	16.8	1	3.57	325
401430235	2011	1	23	14	V	13.9	0	3.74	323
401430235	2011	1	23	15	V	12.6	0	3.27	326
401430235	2011	1	23	16	V	6.0	1	2.81	340
401430235	2011	1	23	17	V	32.2	2	2.93	321
401430235	2011	1	23	18	V	11.2	1	2.45	338
401430235	2011	1	23	19	V	9.3	0	2.32	338
401430235	2011	1	23	20	V	2.5	0	1.82	358
401430235	2011	1	23	21	V	3.1	0	1.06	14
401430235	2011	1	23	22	V	4.3	1	0.69	9
401430235	2011	1	23	23	V	5.0	1	0.75	161
401430235	2011	1	23	24	V	3.8	0	1.23	219
401430235	2011	1	24	1	V	4.7	0	0.57	236
401430235	2011	1	24	2	V	5.2	0	0.52	248
401430235	2011	1	24	3	C	-999	0	0	0
401430235	2011	1	24	4	V	2.4	0	1.04	230
401430235	2011	1	24	5	V	2.5	1	1.06	241
401430235	2011	1	24	6	V	5.2	0	0.53	188
401430235	2011	1	24	7	V	2.3	1	0.91	250
401430235	2011	1	24	8	V	3.1	1	1.04	203

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	24	9	V	2.5	0	1.06	167
401430235	2011	1	24	10	V	5.7	1	1.01	152
401430235	2011	1	24	11	V	4.3	1	1.62	176
401430235	2011	1	24	12	V	6.6	1	1.57	160
401430235	2011	1	24	13	V	6.8	1	2.11	169
401430235	2011	1	24	14	V	3.9	1	1.54	120
401430235	2011	1	24	15	V	3.4	1	1.25	110
401430235	2011	1	24	16	V	4.5	7	1.77	30
401430235	2011	1	24	17	V	3.4	3	2.03	9
401430235	2011	1	24	18	V	11.0	1	1.89	40
401430235	2011	1	24	19	V	3.0	1	2.15	19
401430235	2011	1	24	20	V	2.4	0	3.29	10
401430235	2011	1	24	21	V	2.7	1	2.25	5
401430235	2011	1	24	22	V	2.8	0	2.03	5
401430235	2011	1	24	23	V	3.8	0	2.33	6
401430235	2011	1	24	24	V	3.3	0	2.13	8
401430235	2011	1	25	1	V	2.4	0	1.72	3
401430235	2011	1	25	2	V	3.3	0	1.08	349
401430235	2011	1	25	3	V	3.8	0	0.65	34
401430235	2011	1	25	4	V	5.5	0	0.7	349
401430235	2011	1	25	5	C	-999	0	0	0
401430235	2011	1	25	6	V	7.5	1	0.7	346
401430235	2011	1	25	7	V	4.1	1	0.55	262
401430235	2011	1	25	8	V	3.2	2	0.89	8
401430235	2011	1	25	9	V	12.0	1	0.86	299
401430235	2011	1	25	10	V	3.3	2	2.45	21
401430235	2011	1	25	11	V	3.4	4	2.66	26
401430235	2011	1	25	12	V	5.8	3	2.25	7
401430235	2011	1	25	13	V	7.7	2	2.25	35
401430235	2011	1	25	14	V	3.3	2	2.1	66
401430235	2011	1	25	15	V	3.5	4	1.99	286
401430235	2011	1	25	16	V	9.2	1	2.39	326
401430235	2011	1	25	17	V	9.9	1	2.13	335
401430235	2011	1	25	18	V	44.7	1	1.04	313
401430235	2011	1	25	19	V	11.5	1	0.58	294
401430235	2011	1	25	20	V	4.4	2	0.63	228
401430235	2011	1	25	21	V	5.1	1	0.55	259
401430235	2011	1	25	22	V	5.4	2	0.53	234
401430235	2011	1	25	23	V	5.4	1	0.7	278
401430235	2011	1	25	24	C	-999	0	0	0
401430235	2011	1	26	1	C	-999	0	0	0
401430235	2011	1	26	2	V	3.8	0	0.75	213
401430235	2011	1	26	3	C	-999	0	0	0
401430235	2011	1	26	4	V	3.8	0	0.63	245
401430235	2011	1	26	5	V	3.6	1	0.72	215
401430235	2011	1	26	6	V	3.3	0	0.75	223

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	26	7	V	3.9	1	0.58	279
401430235	2011	1	26	8	V	2.9	1	1.28	199
401430235	2011	1	26	9	V	27.4	2	1.57	308
401430235	2011	1	26	10	V	19.7	4	2.32	312
401430235	2011	1	26	11	V	10.9	6	3.4	310
401430235	2011	1	26	12	V	10.5	4	3.49	303
401430235	2011	1	26	13	V	8.6	8	4.05	298
401430235	2011	1	26	14	V	8.8	5	4.07	309
401430235	2011	1	26	15	V	5.4	9	3.54	301
401430235	2011	1	26	16	V	9.0	5	3.42	307
401430235	2011	1	26	17	V	12.2	4	3.54	308
401430235	2011	1	26	18	V	10.5	3	2.06	303
401430235	2011	1	26	19	V	43.2	1	1.09	312
401430235	2011	1	26	20	V	30.3	0	1.71	331
401430235	2011	1	26	21	V	14.1	0	1.74	336
401430235	2011	1	26	22	V	8.4	0	1.54	339
401430235	2011	1	26	23	V	47.2	0	1.14	316
401430235	2011	1	26	24	V	6.1	1	0.6	285
401430235	2011	1	27	1	V	3.1	1	0.92	278
401430235	2011	1	27	2	V	3.0	2	0.94	250
401430235	2011	1	27	3	V	3.2	2	0.72	227
401430235	2011	1	27	4	V	4.0	2	0.69	195
401430235	2011	1	27	5	V	3.0	1	1.04	195
401430235	2011	1	27	6	V	3.2	1	0.74	258
401430235	2011	1	27	7	V	2.3	1	1.21	186
401430235	2011	1	27	8	V	4.7	1	0.6	222
401430235	2011	1	27	9	V	2.3	0	1.33	206
401430235	2011	1	27	10	V	3.7	1	1.86	177
401430235	2011	1	27	11	V	3.1	1	3.42	220
401430235	2011	1	27	12	V	5.4	1	4.42	228
401430235	2011	1	27	13	V	6.2	-999	4.19	240
401430235	2011	1	27	14	V	3.0	0	4.19	280
401430235	2011	1	27	15	V	2.2	1	4.17	286
401430235	2011	1	27	16	V	3.2	2	3.52	275
401430235	2011	1	27	17	V	3.4	2	3.2	280
401430235	2011	1	27	18	V	4.5	3	2.47	291
401430235	2011	1	27	19	V	3.1	3	1.43	249
401430235	2011	1	27	20	V	2.6	2	1.5	251
401430235	2011	1	27	21	V	2.9	2	1.3	252
401430235	2011	1	27	22	C	-999	3	0	0
401430235	2011	1	27	23	V	4.8	2	0.79	224
401430235	2011	1	27	24	V	4.0	2	0.89	250
401430235	2011	1	28	1	V	3.4	2	0.77	252
401430235	2011	1	28	2	V	5.7	2	0.53	284
401430235	2011	1	28	3	V	4.6	2	0.52	258
401430235	2011	1	28	4	C	-999	2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	28	5	V	4.6	2	0.55	235
401430235	2011	1	28	6	C	-999	2	0	0
401430235	2011	1	28	7	V	3.1	2	0.7	255
401430235	2011	1	28	8	V	5.2	3	0.53	225
401430235	2011	1	28	9	V	2.8	3	0.87	216
401430235	2011	1	28	10	V	4.7	2	1.16	165
401430235	2011	1	28	11	V	4.0	1	1.73	181
401430235	2011	1	28	12	V	5.9	1	2	191
401430235	2011	1	28	13	V	6.4	1	2.96	211
401430235	2011	1	28	14	V	3.0	1	3.35	240
401430235	2011	1	28	15	V	1.9	1	3.81	240
401430235	2011	1	28	16	V	3.2	1	3.98	231
401430235	2011	1	28	17	V	3.4	1	3.15	226
401430235	2011	1	28	18	V	4.9	1	1.47	216
401430235	2011	1	28	19	V	3.4	2	1.08	224
401430235	2011	1	28	20	C	-999	1	0	0
401430235	2011	1	28	21	V	9.1	2	0.57	292
401430235	2011	1	28	22	V	4.4	3	0.65	272
401430235	2011	1	28	23	V	42.7	3	0.77	313
401430235	2011	1	28	24	C	-999	3	0	0
401430235	2011	1	29	1	V	3.6	3	0.72	229
401430235	2011	1	29	2	V	9.5	3	1.06	299
401430235	2011	1	29	3	V	3.1	3	0.75	257
401430235	2011	1	29	4	V	22.1	3	0.84	304
401430235	2011	1	29	5	V	38.6	3	0.89	328
401430235	2011	1	29	6	V	2.4	3	1.06	241
401430235	2011	1	29	7	V	9.6	3	0.62	294
401430235	2011	1	29	8	C	-999	3	0	0
401430235	2011	1	29	9	V	4.9	4	0.52	163
401430235	2011	1	29	10	V	7.2	3	0.84	171
401430235	2011	1	29	11	V	3.5	1	2.32	174
401430235	2011	1	29	12	V	5.7	1	4.07	185
401430235	2011	1	29	13	V	6.4	1	4.61	183
401430235	2011	1	29	14	V	3.1	1	6.43	189
401430235	2011	1	29	15	V	2.1	2	6.3	191
401430235	2011	1	29	16	V	3.4	2	6.36	189
401430235	2011	1	29	17	V	3.6	2	5.44	183
401430235	2011	1	29	18	V	4.4	2	4.37	183
401430235	2011	1	29	19	V	3.0	3	3	180
401430235	2011	1	29	20	V	2.4	3	2.28	178
401430235	2011	1	29	21	V	3.9	2	0.77	213
401430235	2011	1	29	22	V	42.0	2	0.67	323
401430235	2011	1	29	23	V	44.8	1	0.75	315
401430235	2011	1	29	24	V	32.4	1	0.63	307
401430235	2011	1	30	1	V	3.9	1	2.32	340
401430235	2011	1	30	2	V	2.4	0	5.53	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	1	30	3	V	1.9	0	6.28	14
401430235	2011	1	30	4	V	1.9	0	5.92	17
401430235	2011	1	30	5	V	2.1	0	6.35	13
401430235	2011	1	30	6	V	2.0	0	6.33	13
401430235	2011	1	30	7	V	1.7	0	6.14	15
401430235	2011	1	30	8	V	2.4	1	5.53	9
401430235	2011	1	30	9	V	2.1	0	6.35	17
401430235	2011	1	30	10	V	2.9	0	6.53	20
401430235	2011	1	30	11	V	2.8	0	5.94	16
401430235	2011	1	30	12	V	5.3	0	5.79	13
401430235	2011	1	30	13	V	6.2	0	5.68	11
401430235	2011	1	30	14	V	2.8	0	5.82	14
401430235	2011	1	30	15	V	1.8	0	6.04	23
401430235	2011	1	30	16	V	3.2	0	4.87	13
401430235	2011	1	30	17	V	3.5	0	5.36	28
401430235	2011	1	30	18	V	4.4	1	4.54	22
401430235	2011	1	30	19	V	3.0	1	4.59	21
401430235	2011	1	30	20	V	2.4	1	4.65	24
401430235	2011	1	30	21	V	2.7	1	4.08	22
401430235	2011	1	30	22	V	2.8	1	3.47	18
401430235	2011	1	30	23	V	3.8	1	2.72	4
401430235	2011	1	30	24	V	3.3	1	3.08	19
401430235	2011	1	31	1	V	2.4	1	2.5	16
401430235	2011	1	31	2	V	2.4	0	2.16	358
401430235	2011	1	31	3	V	4.4	0	2.13	340
401430235	2011	1	31	4	V	2.0	0	2.52	350
401430235	2011	1	31	5	V	2.2	0	1.99	357
401430235	2011	1	31	6	V	33.7	1	1.48	322
401430235	2011	1	31	7	V	22.4	0	1.45	334
401430235	2011	1	31	8	V	28.9	0	1.94	327
401430235	2011	1	31	9	V	3.3	1	2.16	294
401430235	2011	1	31	10	V	16.1	0	1.77	308
401430235	2011	1	31	11	V	6.5	1	2.05	297
401430235	2011	1	31	12	V	5.7	1	2.13	283
401430235	2011	1	31	13	V	6.5	1	3.13	288
401430235	2011	1	31	14	V	9.2	1	2.5	303
401430235	2011	1	31	15	V	12.0	2	3.05	310
401430235	2011	1	31	16	V	15.8	1	3.39	319
401430235	2011	1	31	17	V	22.5	1	3.3	329
401430235	2011	1	31	18	V	9.7	1	3.39	340
401430235	2011	1	31	19	V	8.5	0	3.85	339
401430235	2011	1	31	20	V	7.7	0	3.49	340
401430235	2011	1	31	21	V	3.0	0	4.6	350
401430235	2011	1	31	22	V	2.8	0	4.39	353
401430235	2011	1	31	23	V	7.4	0	4.83	341
401430235	2011	1	31	24	V	4.3	0	4.54	346

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	1	1	V	3.2	0	4.78	347
401430235	2011	2	1	2	V	2.7	0	4.97	351
401430235	2011	2	1	3	V	2.0	0	5.82	353
401430235	2011	2	1	4	V	2.0	0	6.09	355
401430235	2011	2	1	5	V	2.2	0	6.75	354
401430235	2011	2	1	6	V	4.2	0	5.8	344
401430235	2011	2	1	7	V	8.5	0	5.53	338
401430235	2011	2	1	8	V	3.7	0	5.8	346
401430235	2011	2	1	9	V	13.8	1	5.22	334
401430235	2011	2	1	10	V	11.3	1	6.74	328
401430235	2011	2	1	11	V	12.1	1	5.68	327
401430235	2011	2	1	12	V	16.7	3	6.13	317
401430235	2011	2	1	13	V	15.1	3	6.64	325
401430235	2011	2	1	14	V	13.5	3	5.63	322
401430235	2011	2	1	15	V	13.3	5	5.85	313
401430235	2011	2	1	16	V	14.9	7	6.16	315
401430235	2011	2	1	17	V	30.5	8	5.72	321
401430235	2011	2	1	18	V	28.7	5	5.24	320
401430235	2011	2	1	19	V	26.0	3	5.19	316
401430235	2011	2	1	20	V	23.9	3	4.88	321
401430235	2011	2	1	21	V	24.7	4	4.8	315
401430235	2011	2	1	22	V	23.5	6	4.37	316
401430235	2011	2	1	23	V	19.1	7	4.6	329
401430235	2011	2	1	24	V	20.3	5	3.81	327
401430235	2011	2	2	1	V	25.3	11	3.76	318
401430235	2011	2	2	2	V	20.4	9	3.73	327
401430235	2011	2	2	3	V	17.9	9	3.8	331
401430235	2011	2	2	4	V	2.8	1	4.27	345
401430235	2011	2	2	5	V	3.1	1	4.6	345
401430235	2011	2	2	6	V	2.5	1	4.41	347
401430235	2011	2	2	7	V	2.6	1	3.59	344
401430235	2011	2	2	8	V	24.1	4	2.67	330
401430235	2011	2	2	9	V	15.6	4	2.86	324
401430235	2011	2	2	10	V	3.1	0	4.32	350
401430235	2011	2	2	11	V	5.2	1	4.24	341
401430235	2011	2	2	12	V	5.4	0	4.7	359
401430235	2011	2	2	13	V	6.2	0	4.02	12
401430235	2011	2	2	14	V	2.9	0	3.92	10
401430235	2011	2	2	15	V	1.9	0	3.8	12
401430235	2011	2	2	16	V	3.2	0	4.49	19
401430235	2011	2	2	17	V	3.4	0	4.44	21
401430235	2011	2	2	18	V	4.4	0	3.61	17
401430235	2011	2	2	19	V	2.9	0	2.93	11
401430235	2011	2	2	20	V	2.4	0	2.44	5
401430235	2011	2	2	21	V	2.7	0	2.47	353
401430235	2011	2	2	22	V	2.8	0	1.96	349

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	2	23	V	3.8	0	3.32	9
401430235	2011	2	2	24	V	3.3	1	4.15	10
401430235	2011	2	3	1	V	2.4	0	3.68	18
401430235	2011	2	3	2	V	2.4	0	3.46	11
401430235	2011	2	3	3	V	1.9	1	3.1	14
401430235	2011	2	3	4	V	1.9	1	2.86	6
401430235	2011	2	3	5	V	2.1	1	2.79	7
401430235	2011	2	3	6	V	2.0	1	2.32	4
401430235	2011	2	3	7	V	1.6	1	3.07	2
401430235	2011	2	3	8	V	2.4	0	3.29	14
401430235	2011	2	3	9	V	2.1	1	2.62	20
401430235	2011	2	3	10	V	3.4	1	2.62	21
401430235	2011	2	3	11	V	3.9	2	1.79	56
401430235	2011	2	3	12	V	6.8	1	1.21	90
401430235	2011	2	3	13	V	7.7	3	1.84	30
401430235	2011	2	3	14	V	3.0	3	3.56	26
401430235	2011	2	3	15	V	2.1	2	1.47	75
401430235	2011	2	3	16	V	4.9	2	2.21	33
401430235	2011	2	3	17	V	3.6	1	2.49	21
401430235	2011	2	3	18	V	4.4	3	2.01	53
401430235	2011	2	3	19	V	3.0	4	2.25	24
401430235	2011	2	3	20	V	4.9	4	1.04	36
401430235	2011	2	3	21	C	-999	5	0	0
401430235	2011	2	3	22	V	3.5	4	0.99	352
401430235	2011	2	3	23	V	3.9	3	1.71	9
401430235	2011	2	3	24	V	3.4	2	1.65	8
401430235	2011	2	4	1	V	2.7	2	1.13	3
401430235	2011	2	4	2	V	4.4	2	0.65	275
401430235	2011	2	4	3	V	45.0	2	1.03	312
401430235	2011	2	4	4	V	2.6	2	0.89	268
401430235	2011	2	4	5	V	33.8	2	0.69	307
401430235	2011	2	4	6	V	32.5	2	0.72	332
401430235	2011	2	4	7	C	-999	1	0	0
401430235	2011	2	4	8	V	3.3	2	0.84	259
401430235	2011	2	4	9	V	2.6	3	0.94	238
401430235	2011	2	4	10	V	3.8	2	1.79	217
401430235	2011	2	4	11	V	5.3	3	0.94	250
401430235	2011	2	4	12	V	8.3	6	0.91	95
401430235	2011	2	4	13	V	6.7	7	1.33	20
401430235	2011	2	4	14	V	14.6	4	1.88	333
401430235	2011	2	4	15	V	20.0	2	1.84	310
401430235	2011	2	4	16	V	10.8	2	1.45	301
401430235	2011	2	4	17	V	4.3	2	1.06	276
401430235	2011	2	4	18	V	7.8	1	0.82	291
401430235	2011	2	4	19	C	-999	1	0	0
401430235	2011	2	4	20	V	3.5	1	0.84	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	4	21	V	4.2	0	0.72	210
401430235	2011	2	4	22	V	3.1	0	1.25	204
401430235	2011	2	4	23	V	4.1	0	1.28	163
401430235	2011	2	4	24	V	3.5	0	1.82	186
401430235	2011	2	5	1	V	2.6	1	1.6	180
401430235	2011	2	5	2	V	2.8	1	1.55	186
401430235	2011	2	5	3	V	2.1	1	1.69	173
401430235	2011	2	5	4	V	2.1	0	1.72	175
401430235	2011	2	5	5	V	2.5	0	1.48	182
401430235	2011	2	5	6	V	2.5	0	1.26	176
401430235	2011	2	5	7	V	2.2	1	1.18	202
401430235	2011	2	5	8	V	3.2	1	1.03	203
401430235	2011	2	5	9	V	2.7	1	1.18	183
401430235	2011	2	5	10	V	3.2	1	3.23	181
401430235	2011	2	5	11	V	3.1	1	3.37	176
401430235	2011	2	5	12	V	5.7	1	3.93	185
401430235	2011	2	5	13	V	6.5	1	4.03	188
401430235	2011	2	5	14	V	3.2	1	3.32	188
401430235	2011	2	5	15	V	2.2	1	4.03	187
401430235	2011	2	5	16	V	3.4	1	4.17	198
401430235	2011	2	5	17	V	3.6	1	4.24	195
401430235	2011	2	5	18	V	4.4	1	2.98	194
401430235	2011	2	5	19	V	3.3	1	1.55	187
401430235	2011	2	5	20	V	2.6	1	1.89	181
401430235	2011	2	5	21	V	3.1	1	1.53	187
401430235	2011	2	5	22	V	2.9	1	1.89	182
401430235	2011	2	5	23	V	3.8	0	2.01	179
401430235	2011	2	5	24	V	3.6	1	1.72	188
401430235	2011	2	6	1	V	3.0	1	1.08	175
401430235	2011	2	6	2	V	3.0	1	1.01	160
401430235	2011	2	6	3	V	3.3	1	0.72	227
401430235	2011	2	6	4	V	3.9	1	0.65	244
401430235	2011	2	6	5	V	4.0	1	0.67	269
401430235	2011	2	6	6	V	43.1	1	0.6	324
401430235	2011	2	6	7	V	2.6	1	0.86	221
401430235	2011	2	6	8	V	3.8	2	0.75	276
401430235	2011	2	6	9	C	-999	1	0	0
401430235	2011	2	6	10	V	3.7	1	1.21	10
401430235	2011	2	6	11	V	3.5	2	1.74	14
401430235	2011	2	6	12	V	5.5	1	3.03	17
401430235	2011	2	6	13	V	6.2	1	4.09	13
401430235	2011	2	6	14	V	2.9	1	4.9	15
401430235	2011	2	6	15	V	1.9	1	4.7	16
401430235	2011	2	6	16	V	3.2	1	3.63	14
401430235	2011	2	6	17	V	3.4	1	3.44	15
401430235	2011	2	6	18	V	4.4	0	2.95	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	6	19	V	3.0	0	4.46	12
401430235	2011	2	6	20	V	2.5	0	4.22	15
401430235	2011	2	6	21	V	2.7	0	3.85	4
401430235	2011	2	6	22	V	2.8	0	3.93	354
401430235	2011	2	6	23	V	3.8	0	4.17	358
401430235	2011	2	6	24	V	3.4	0	3.3	352
401430235	2011	2	7	1	V	8.1	0	3.54	340
401430235	2011	2	7	2	V	18.4	1	3.47	333
401430235	2011	2	7	3	V	24.2	1	3.12	329
401430235	2011	2	7	4	V	7.8	0	4.46	339
401430235	2011	2	7	5	V	5.5	0	3.81	342
401430235	2011	2	7	6	V	6.1	0	3.9	341
401430235	2011	2	7	7	V	4.9	0	3.9	342
401430235	2011	2	7	8	V	4.6	0	3.34	344
401430235	2011	2	7	9	V	35.1	1	2.49	313
401430235	2011	2	7	10	V	18.6	1	2.88	320
401430235	2011	2	7	11	V	3.1	1	4.17	347
401430235	2011	2	7	12	V	7.0	2	3.73	342
401430235	2011	2	7	13	V	19.9	3	3.35	315
401430235	2011	2	7	14	V	16.5	2	3.03	317
401430235	2011	2	7	15	V	2.8	1	3.27	294
401430235	2011	2	7	16	V	14.0	2	2.71	311
401430235	2011	2	7	17	V	10.5	2	1.72	332
401430235	2011	2	7	18	V	4.6	1	1.31	261
401430235	2011	2	7	19	C	-999	0	0	0
401430235	2011	2	7	20	V	3.0	1	1.07	135
401430235	2011	2	7	21	V	4.0	1	0.84	177
401430235	2011	2	7	22	V	3.6	1	1.04	180
401430235	2011	2	7	23	V	4.1	0	1.21	123
401430235	2011	2	7	24	V	3.4	0	1.72	139
401430235	2011	2	8	1	V	2.4	1	1.94	129
401430235	2011	2	8	2	V	2.9	0	1.14	107
401430235	2011	2	8	3	V	1.9	0	2.59	94
401430235	2011	2	8	4	V	2.0	1	1.94	119
401430235	2011	2	8	5	V	2.1	0	2.27	73
401430235	2011	2	8	6	V	3.1	0	3.63	46
401430235	2011	2	8	7	V	2.9	0	3.85	36
401430235	2011	2	8	8	V	2.5	1	4.66	29
401430235	2011	2	8	9	V	3.9	0	6.89	38
401430235	2011	2	8	10	V	4.7	0	6.5	38
401430235	2011	2	8	11	V	5.1	1	6.38	43
401430235	2011	2	8	12	V	6.5	1	6.53	46
401430235	2011	2	8	13	V	7.2	1	6.75	46
401430235	2011	2	8	14	V	3.0	1	6.58	49
401430235	2011	2	8	15	V	2.4	0	6.5	47
401430235	2011	2	8	16	V	5.3	0	7.01	42

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	8	17	V	3.3	0	6.47	27
401430235	2011	2	8	18	V	4.4	1	6.14	14
401430235	2011	2	8	19	V	3.0	1	6.14	11
401430235	2011	2	8	20	V	2.4	0	5.97	4
401430235	2011	2	8	21	V	2.7	0	7.35	16
401430235	2011	2	8	22	V	2.8	0	8.16	26
401430235	2011	2	8	23	V	3.8	1	6.94	24
401430235	2011	2	8	24	V	3.3	0	7.35	18
401430235	2011	2	9	1	V	2.4	0	6.67	16
401430235	2011	2	9	2	V	2.5	1	7.23	17
401430235	2011	2	9	3	V	2.0	0	7.48	19
401430235	2011	2	9	4	V	2.0	0	6.57	17
401430235	2011	2	9	5	V	2.1	0	5.62	5
401430235	2011	2	9	6	V	2.0	0	5.09	12
401430235	2011	2	9	7	V	1.7	0	4.63	1
401430235	2011	2	9	8	V	2.4	0	5.65	358
401430235	2011	2	9	9	V	2.1	0	5.31	356
401430235	2011	2	9	10	V	3.0	0	5.31	4
401430235	2011	2	9	11	V	2.9	1	4.37	354
401430235	2011	2	9	12	V	5.3	1	6.11	10
401430235	2011	2	9	13	V	6.2	1	5.5	6
401430235	2011	2	9	14	V	2.8	1	5.53	7
401430235	2011	2	9	15	V	1.8	1	6.12	6
401430235	2011	2	9	16	V	3.1	1	5.9	11
401430235	2011	2	9	17	V	3.3	1	4.49	2
401430235	2011	2	9	18	V	5.3	0	3.03	347
401430235	2011	2	9	19	V	27.0	2	2.16	324
401430235	2011	2	9	20	V	36.7	4	1.74	319
401430235	2011	2	9	21	V	43.3	2	1.76	316
401430235	2011	2	9	22	V	33.9	1	1.4	308
401430235	2011	2	9	23	V	4.5	1	1.2	288
401430235	2011	2	9	24	V	4.6	1	0.87	285
401430235	2011	2	10	1	V	10.0	1	0.99	298
401430235	2011	2	10	2	V	2.8	1	1.33	210
401430235	2011	2	10	3	V	2.8	1	0.84	229
401430235	2011	2	10	4	V	2.7	2	0.91	225
401430235	2011	2	10	5	V	2.5	1	1.14	263
401430235	2011	2	10	6	V	2.4	1	1.14	268
401430235	2011	2	10	7	V	2.3	2	0.99	270
401430235	2011	2	10	8	V	3.2	3	1.04	200
401430235	2011	2	10	9	V	2.3	4	1.91	236
401430235	2011	2	10	10	V	3.4	3	2.15	238
401430235	2011	2	10	11	V	3.7	3	1.96	200
401430235	2011	2	10	12	V	5.8	1	2.86	183
401430235	2011	2	10	13	V	6.6	2	3.2	183
401430235	2011	2	10	14	V	3.2	2	2.66	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	10	15	V	2.0	2	3.54	171
401430235	2011	2	10	16	V	3.5	2	2.86	187
401430235	2011	2	10	17	V	3.5	1	3.24	177
401430235	2011	2	10	18	V	4.4	1	3.2	185
401430235	2011	2	10	19	V	3.1	1	2.06	185
401430235	2011	2	10	20	V	3.4	1	1.06	192
401430235	2011	2	10	21	V	3.2	1	0.99	227
401430235	2011	2	10	22	V	3.9	2	0.79	251
401430235	2011	2	10	23	V	4.3	1	1.3	220
401430235	2011	2	10	24	V	4.1	0	0.86	237
401430235	2011	2	11	1	V	4.5	1	0.63	253
401430235	2011	2	11	2	V	7.2	1	0.6	289
401430235	2011	2	11	3	V	3.0	1	0.8	260
401430235	2011	2	11	4	V	3.1	1	0.96	190
401430235	2011	2	11	5	V	3.0	1	1.09	186
401430235	2011	2	11	6	V	2.8	1	1.06	200
401430235	2011	2	11	7	V	2.9	1	0.94	191
401430235	2011	2	11	8	V	4.3	1	0.67	230
401430235	2011	2	11	9	V	2.7	2	1.79	213
401430235	2011	2	11	10	V	3.5	2	1.94	230
401430235	2011	2	11	11	V	3.6	3	2.3	207
401430235	2011	2	11	12	V	6.0	-999	2.49	206
401430235	2011	2	11	13	V	6.5	-999	3.07	212
401430235	2011	2	11	14	V	3.0	1	4.02	223
401430235	2011	2	11	15	V	2.0	1	4.09	221
401430235	2011	2	11	16	V	3.2	1	4.24	230
401430235	2011	2	11	17	V	3.4	1	3.51	237
401430235	2011	2	11	18	V	4.4	1	2.86	234
401430235	2011	2	11	19	V	3.0	1	1.79	237
401430235	2011	2	11	20	V	5.9	2	0.72	289
401430235	2011	2	11	21	V	3.7	2	0.81	252
401430235	2011	2	11	22	V	5.4	3	0.57	231
401430235	2011	2	11	23	V	4.1	2	1.18	260
401430235	2011	2	11	24	V	4.6	2	0.77	219
401430235	2011	2	12	1	M	-999	2	999	999
401430235	2011	2	12	2	V	4.3	1	0.72	281
401430235	2011	2	12	3	V	4.5	1	0.6	218
401430235	2011	2	12	4	M	-999	1	999	999
401430235	2011	2	12	5	M	-999	1	999	999
401430235	2011	2	12	6	M	-999	1	999	999
401430235	2011	2	12	7	M	-999	2	999	999
401430235	2011	2	12	8	V	4.6	3	0.7	181
401430235	2011	2	12	9	V	2.8	2	1.2	176
401430235	2011	2	12	10	V	6.6	1	0.82	139
401430235	2011	2	12	11	V	3.6	1	2.01	171
401430235	2011	2	12	12	V	6.1	1	2.35	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	12	13	V	6.5	1	3.32	181
401430235	2011	2	12	14	V	3.1	1	4.22	182
401430235	2011	2	12	15	V	2.1	1	4.29	183
401430235	2011	2	12	16	V	3.4	2	4.61	183
401430235	2011	2	12	17	V	3.7	1	3.88	191
401430235	2011	2	12	18	V	4.4	1	2.3	196
401430235	2011	2	12	19	V	3.2	1	1.57	203
401430235	2011	2	12	20	V	3.6	1	0.94	181
401430235	2011	2	12	21	V	3.3	1	1.04	206
401430235	2011	2	12	22	V	3.0	1	1.54	201
401430235	2011	2	12	23	V	5.0	1	0.8	214
401430235	2011	2	12	24	V	4.6	1	0.91	192
401430235	2011	2	13	1	V	3.1	1	1.21	184
401430235	2011	2	13	2	C	-999	1	0	0
401430235	2011	2	13	3	C	-999	0	0	0
401430235	2011	2	13	4	C	-999	0	0	0
401430235	2011	2	13	5	V	5.0	1	0.57	218
401430235	2011	2	13	6	V	2.7	1	1.06	215
401430235	2011	2	13	7	V	2.6	1	0.82	229
401430235	2011	2	13	8	C	-999	1	0	0
401430235	2011	2	13	9	V	2.9	1	1.3	199
401430235	2011	2	13	10	V	3.4	1	2.71	181
401430235	2011	2	13	11	V	3.1	1	3.75	177
401430235	2011	2	13	12	V	5.6	1	4.48	184
401430235	2011	2	13	13	V	6.5	1	4.83	190
401430235	2011	2	13	14	V	3.2	1	4.99	189
401430235	2011	2	13	15	V	2.2	1	4.95	184
401430235	2011	2	13	16	V	3.5	2	4.15	183
401430235	2011	2	13	17	V	3.7	2	3.68	187
401430235	2011	2	13	18	V	4.4	2	2.67	187
401430235	2011	2	13	19	V	3.0	1	2.64	184
401430235	2011	2	13	20	V	3.1	1	1.28	185
401430235	2011	2	13	21	V	3.6	1	0.86	223
401430235	2011	2	13	22	V	3.3	1	1.14	52
401430235	2011	2	13	23	V	11.3	1	0.6	293
401430235	2011	2	13	24	V	5.4	2	0.63	277
401430235	2011	2	14	1	V	3.7	2	0.75	244
401430235	2011	2	14	2	C	-999	2	0	0
401430235	2011	2	14	3	V	1.9	1	4.1	15
401430235	2011	2	14	4	V	30.9	0	0.91	332
401430235	2011	2	14	5	V	2.2	1	1.74	14
401430235	2011	2	14	6	V	2.0	1	2.25	18
401430235	2011	2	14	7	V	1.7	1	2.18	16
401430235	2011	2	14	8	V	2.5	1	2.13	17
401430235	2011	2	14	9	V	2.1	1	3.25	20
401430235	2011	2	14	10	V	3.3	1	3.63	26

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	14	11	V	4.5	1	4.87	34
401430235	2011	2	14	12	V	9.4	1	4.37	43
401430235	2011	2	14	13	V	8.3	1	3.05	34
401430235	2011	2	14	14	V	3.7	1	3.83	31
401430235	2011	2	14	15	V	2.7	1	4.31	33
401430235	2011	2	14	16	V	4.8	1	3.76	35
401430235	2011	2	14	17	V	4.4	1	3.47	33
401430235	2011	2	14	18	V	4.4	1	2.11	11
401430235	2011	2	14	19	V	2.9	1	2.69	12
401430235	2011	2	14	20	V	2.4	1	3.34	18
401430235	2011	2	14	21	V	2.7	1	3.05	25
401430235	2011	2	14	22	V	2.8	1	1.91	20
401430235	2011	2	14	23	V	43.7	1	0.84	328
401430235	2011	2	14	24	V	23.3	1	0.7	337
401430235	2011	2	15	1	V	13.6	1	0.79	298
401430235	2011	2	15	2	C	-999	1	0	0
401430235	2011	2	15	3	V	3.6	1	0.72	1
401430235	2011	2	15	4	C	-999	1	0	0
401430235	2011	2	15	5	V	3.1	1	0.84	221
401430235	2011	2	15	6	V	2.5	1	1.16	211
401430235	2011	2	15	7	V	2.2	1	1.11	210
401430235	2011	2	15	8	V	2.5	1	2.91	157
401430235	2011	2	15	9	V	2.0	1	4.36	158
401430235	2011	2	15	10	V	3.0	1	4.78	168
401430235	2011	2	15	11	V	2.9	1	5	166
401430235	2011	2	15	12	V	5.4	1	3.81	150
401430235	2011	2	15	13	V	6.2	1	4.42	158
401430235	2011	2	15	14	V	2.9	1	3.54	154
401430235	2011	2	15	15	V	2.2	1	5.84	193
401430235	2011	2	15	16	V	3.5	1	5.11	193
401430235	2011	2	15	17	V	3.7	1	3.81	188
401430235	2011	2	15	18	V	4.4	1	2.27	168
401430235	2011	2	15	19	V	43.2	1	0.52	318
401430235	2011	2	15	20	V	3.8	1	0.75	122
401430235	2011	2	15	21	V	3.6	1	0.86	156
401430235	2011	2	15	22	V	4.5	1	0.65	145
401430235	2011	2	15	23	C	-999	1	0	0
401430235	2011	2	15	24	V	6.4	1	0.53	356
401430235	2011	2	16	1	C	-999	1	0	0
401430235	2011	2	16	2	C	-999	1	0	0
401430235	2011	2	16	3	V	3.2	1	0.77	218
401430235	2011	2	16	4	C	-999	1	0	0
401430235	2011	2	16	5	C	-999	1	0	0
401430235	2011	2	16	6	C	-999	1	0	0
401430235	2011	2	16	7	C	-999	1	0	0
401430235	2011	2	16	8	V	2.8	1	1.28	209

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	16	9	V	2.4	1	2.18	182
401430235	2011	2	16	10	V	3.2	1	5.34	186
401430235	2011	2	16	11	V	3.1	1	6.13	182
401430235	2011	2	16	12	V	5.6	1	7.3	184
401430235	2011	2	16	13	V	6.3	1	7.21	179
401430235	2011	2	16	14	V	3.0	1	7.21	179
401430235	2011	2	16	15	V	2.1	1	7.64	183
401430235	2011	2	16	16	V	3.3	1	7.35	180
401430235	2011	2	16	17	V	3.4	1	7.71	170
401430235	2011	2	16	18	V	4.4	1	7.48	169
401430235	2011	2	16	19	V	3.0	1	7.76	169
401430235	2011	2	16	20	V	2.6	1	8.28	181
401430235	2011	2	16	21	V	2.8	1	8.73	181
401430235	2011	2	16	22	V	2.8	1	6.92	178
401430235	2011	2	16	23	V	3.8	1	5.68	172
401430235	2011	2	16	24	V	3.3	1	4.82	172
401430235	2011	2	17	1	V	2.5	1	7.3	181
401430235	2011	2	17	2	V	2.6	1	7.4	185
401430235	2011	2	17	3	V	2.1	1	7.71	187
401430235	2011	2	17	4	V	2.1	1	7.01	190
401430235	2011	2	17	5	V	2.3	1	6.74	187
401430235	2011	2	17	6	V	2.3	1	7.54	191
401430235	2011	2	17	7	V	1.9	1	7.86	192
401430235	2011	2	17	8	V	2.7	1	7.77	192
401430235	2011	2	17	9	V	2.2	1	7.33	194
401430235	2011	2	17	10	V	3.1	1	8.9	200
401430235	2011	2	17	11	V	2.9	1	8.39	202
401430235	2011	2	17	12	V	5.4	1	9	205
401430235	2011	2	17	13	V	6.2	1	8.62	209
401430235	2011	2	17	14	V	3.0	1	7.77	198
401430235	2011	2	17	15	V	2.1	1	6.99	192
401430235	2011	2	17	16	V	3.5	1	7.38	191
401430235	2011	2	17	17	V	3.7	1	6.82	188
401430235	2011	2	17	18	V	4.5	1	6.09	189
401430235	2011	2	17	19	V	3.1	1	6.26	190
401430235	2011	2	17	20	V	2.4	1	4.34	176
401430235	2011	2	17	21	V	2.7	1	2.76	184
401430235	2011	2	17	22	V	2.8	1	3.08	185
401430235	2011	2	17	23	V	3.8	1	2.4	179
401430235	2011	2	17	24	V	3.4	1	1.84	179
401430235	2011	2	18	1	V	2.6	1	1.79	195
401430235	2011	2	18	2	V	18.6	1	1.84	306
401430235	2011	2	18	3	V	3.0	1	0.8	156
401430235	2011	2	18	4	V	2.2	1	1.98	211
401430235	2011	2	18	5	V	2.2	1	4.25	5
401430235	2011	2	18	6	V	2.1	1	5.9	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	18	7	V	1.7	1	5.38	18
401430235	2011	2	18	8	V	2.4	1	4.56	14
401430235	2011	2	18	9	V	2.0	1	4.24	16
401430235	2011	2	18	10	V	3.0	2	5.29	24
401430235	2011	2	18	11	V	5.2	1	6.69	41
401430235	2011	2	18	12	V	5.4	1	6.06	63
401430235	2011	2	18	13	V	6.2	-999	5.24	59
401430235	2011	2	18	14	V	2.9	1	4.99	70
401430235	2011	2	18	15	V	1.9	1	3.69	82
401430235	2011	2	18	16	V	3.2	2	4.39	83
401430235	2011	2	18	17	V	3.4	1	3.49	103
401430235	2011	2	18	18	V	4.4	1	3.54	115
401430235	2011	2	18	19	V	3.0	1	2.98	106
401430235	2011	2	18	20	V	2.4	1	2.9	109
401430235	2011	2	18	21	V	2.7	1	2.95	113
401430235	2011	2	18	22	V	2.7	1	2.71	115
401430235	2011	2	18	23	V	3.9	1	1.72	138
401430235	2011	2	18	24	V	4.2	0	0.84	103
401430235	2011	2	19	1	V	2.8	1	1.14	122
401430235	2011	2	19	2	V	4.1	1	0.67	138
401430235	2011	2	19	3	V	2.0	1	2.1	124
401430235	2011	2	19	4	V	2.0	1	1.99	145
401430235	2011	2	19	5	V	2.3	0	1.59	156
401430235	2011	2	19	6	V	2.3	0	1.3	132
401430235	2011	2	19	7	V	2.2	1	0.99	86
401430235	2011	2	19	8	V	2.6	0	1.45	120
401430235	2011	2	19	9	V	2.2	0	2.37	150
401430235	2011	2	19	10	V	3.0	0	4.19	167
401430235	2011	2	19	11	V	2.9	1	4.88	169
401430235	2011	2	19	12	V	5.4	1	4.85	166
401430235	2011	2	19	13	V	6.3	1	4.15	161
401430235	2011	2	19	14	V	2.9	1	4.54	162
401430235	2011	2	19	15	V	1.9	1	5.12	168
401430235	2011	2	19	16	V	3.2	1	5.79	166
401430235	2011	2	19	17	V	3.4	1	5.77	164
401430235	2011	2	19	18	V	4.4	1	5.31	163
401430235	2011	2	19	19	V	3.0	1	5.38	164
401430235	2011	2	19	20	V	2.5	1	5.21	166
401430235	2011	2	19	21	V	2.7	1	5.17	165
401430235	2011	2	19	22	V	2.8	1	5.77	166
401430235	2011	2	19	23	V	3.8	1	5.94	165
401430235	2011	2	19	24	V	3.3	1	6.13	169
401430235	2011	2	20	1	V	2.4	1	5.6	165
401430235	2011	2	20	2	V	2.5	1	5.73	160
401430235	2011	2	20	3	V	2.0	1	6.38	162
401430235	2011	2	20	4	V	2.0	1	6.72	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	20	5	V	2.2	1	4.75	173
401430235	2011	2	20	6	V	2.1	1	7.37	181
401430235	2011	2	20	7	V	1.9	1	7.84	187
401430235	2011	2	20	8	V	2.7	1	7.67	189
401430235	2011	2	20	9	V	2.3	1	8.86	189
401430235	2011	2	20	10	V	3.2	1	9.59	192
401430235	2011	2	20	11	V	3.1	1	8.25	192
401430235	2011	2	20	12	V	5.6	1	8.57	194
401430235	2011	2	20	13	V	6.4	1	9.13	196
401430235	2011	2	20	14	V	3.0	1	9.93	196
401430235	2011	2	20	15	V	2.0	1	9.41	196
401430235	2011	2	20	16	V	3.4	1	8.57	194
401430235	2011	2	20	17	V	3.6	1	7.5	192
401430235	2011	2	20	18	V	4.5	1	5.89	190
401430235	2011	2	20	19	V	3.0	1	3.78	192
401430235	2011	2	20	20	V	2.5	1	2.73	188
401430235	2011	2	20	21	V	2.7	1	3.35	186
401430235	2011	2	20	22	V	2.8	1	3.68	187
401430235	2011	2	20	23	V	3.8	1	4.59	185
401430235	2011	2	20	24	V	3.3	1	4.71	185
401430235	2011	2	21	1	V	2.4	1	4.32	191
401430235	2011	2	21	2	V	2.5	1	3.92	191
401430235	2011	2	21	3	V	2.0	1	5	195
401430235	2011	2	21	4	V	2.3	1	4.46	219
401430235	2011	2	21	5	V	2.2	1	5.51	355
401430235	2011	2	21	6	V	2.7	1	5.12	348
401430235	2011	2	21	7	V	4.3	1	4.99	343
401430235	2011	2	21	8	V	5.1	1	4.85	343
401430235	2011	2	21	9	V	4.4	1	3.91	339
401430235	2011	2	21	10	V	13.6	5	4.02	328
401430235	2011	2	21	11	V	14.8	7	5.12	320
401430235	2011	2	21	12	V	13.2	5	4.85	332
401430235	2011	2	21	13	V	6.4	7	4.39	348
401430235	2011	2	21	14	V	11.0	5	3.29	333
401430235	2011	2	21	15	V	3.3	8	3.44	343
401430235	2011	2	21	16	V	11.5	7	1.93	302
401430235	2011	2	21	17	V	3.7	3	3.49	349
401430235	2011	2	21	18	V	4.4	1	2.27	356
401430235	2011	2	21	19	V	3.3	1	2.3	343
401430235	2011	2	21	20	V	7.5	1	2.1	338
401430235	2011	2	21	21	V	2.7	1	2.28	346
401430235	2011	2	21	22	V	2.7	1	2.86	359
401430235	2011	2	21	23	V	3.8	1	4.03	11
401430235	2011	2	21	24	V	3.3	1	4.36	13
401430235	2011	2	22	1	V	2.4	1	3.2	5
401430235	2011	2	22	2	V	2.4	1	3.75	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	22	3	V	1.9	1	3.27	20
401430235	2011	2	22	4	V	1.9	1	3.03	20
401430235	2011	2	22	5	V	2.1	1	2.83	28
401430235	2011	2	22	6	V	3.5	1	2.25	46
401430235	2011	2	22	7	V	5.4	1	3.54	39
401430235	2011	2	22	8	V	6.7	1	2.78	38
401430235	2011	2	22	9	V	5.8	1	2.67	43
401430235	2011	2	22	10	V	4.1	1	4.37	32
401430235	2011	2	22	11	V	6.3	1	5.05	40
401430235	2011	2	22	12	V	9.4	3	4.36	43
401430235	2011	2	22	13	V	7.0	3	1.59	127
401430235	2011	2	22	14	V	3.9	2	2.03	54
401430235	2011	2	22	15	V	2.0	1	2.83	80
401430235	2011	2	22	16	V	3.3	1	2.79	102
401430235	2011	2	22	17	V	3.4	1	3.2	113
401430235	2011	2	22	18	V	4.4	3	3.27	117
401430235	2011	2	22	19	V	3.1	3	1.45	107
401430235	2011	2	22	20	V	3.4	2	0.8	93
401430235	2011	2	22	21	V	4.5	2	0.67	27
401430235	2011	2	22	22	V	46.9	1	0.67	315
401430235	2011	2	22	23	V	4.9	1	0.96	181
401430235	2011	2	22	24	V	4.0	1	0.92	154
401430235	2011	2	23	1	V	2.4	1	2.76	148
401430235	2011	2	23	2	V	2.5	1	2.88	149
401430235	2011	2	23	3	V	2.0	1	2.78	149
401430235	2011	2	23	4	V	2.0	1	3.23	160
401430235	2011	2	23	5	V	2.2	1	4.32	165
401430235	2011	2	23	6	V	2.1	1	4.44	164
401430235	2011	2	23	7	V	1.7	1	3.9	168
401430235	2011	2	23	8	V	2.5	1	4.39	165
401430235	2011	2	23	9	V	2.0	1	4.58	165
401430235	2011	2	23	10	V	3.0	1	4.49	165
401430235	2011	2	23	11	V	2.9	1	5.24	168
401430235	2011	2	23	12	V	5.5	2	6.01	175
401430235	2011	2	23	13	V	6.4	2	5.92	180
401430235	2011	2	23	14	V	3.2	2	6.99	190
401430235	2011	2	23	15	V	2.1	1	6.77	195
401430235	2011	2	23	16	V	3.4	1	6.28	195
401430235	2011	2	23	17	V	3.7	1	6.11	190
401430235	2011	2	23	18	V	4.4	1	5.31	181
401430235	2011	2	23	19	V	3.0	1	4.54	176
401430235	2011	2	23	20	V	2.4	1	4.15	172
401430235	2011	2	23	21	V	2.7	1	4.53	180
401430235	2011	2	23	22	V	2.7	1	3.42	165
401430235	2011	2	23	23	V	3.8	1	2.81	169
401430235	2011	2	23	24	V	3.5	1	1.35	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	24	1	V	2.4	1	1.99	133
401430235	2011	2	24	2	V	2.5	1	1.77	130
401430235	2011	2	24	3	V	2.0	1	1.99	103
401430235	2011	2	24	4	V	2.0	1	2.42	116
401430235	2011	2	24	5	V	2.2	1	2.81	96
401430235	2011	2	24	6	V	2.1	1	2.89	121
401430235	2011	2	24	7	V	1.7	1	3.34	137
401430235	2011	2	24	8	V	2.5	1	3.66	137
401430235	2011	2	24	9	V	2.1	1	2.62	141
401430235	2011	2	24	10	V	3.3	-999	2.64	22
401430235	2011	2	24	11	V	3.3	1	2.38	27
401430235	2011	2	24	12	V	5.4	1	3.39	13
401430235	2011	2	24	13	V	9.4	1	4.25	37
401430235	2011	2	24	14	V	2.9	1	3.86	26
401430235	2011	2	24	15	V	1.9	1	3.12	12
401430235	2011	2	24	16	V	3.2	1	3	2
401430235	2011	2	24	17	V	3.4	1	3.52	353
401430235	2011	2	24	18	V	4.6	1	3.27	353
401430235	2011	2	24	19	V	14.5	1	3.44	336
401430235	2011	2	24	20	V	25.4	1	4.58	324
401430235	2011	2	24	21	V	13.2	1	4.82	335
401430235	2011	2	24	22	V	22.3	1	4.78	328
401430235	2011	2	24	23	V	15.3	1	4.71	334
401430235	2011	2	24	24	V	7.3	1	4.37	341
401430235	2011	2	25	1	V	2.4	1	4.75	354
401430235	2011	2	25	2	V	2.4	1	4.82	359
401430235	2011	2	25	3	V	2.0	1	4.22	8
401430235	2011	2	25	4	V	2.0	0	4.07	5
401430235	2011	2	25	5	V	2.1	1	4.59	10
401430235	2011	2	25	6	V	2.0	1	4.68	2
401430235	2011	2	25	7	V	1.7	1	3.88	6
401430235	2011	2	25	8	V	2.5	1	3.98	3
401430235	2011	2	25	9	V	2.0	1	3.68	6
401430235	2011	2	25	10	V	3.0	0	3.03	3
401430235	2011	2	25	11	V	2.9	1	3.2	2
401430235	2011	2	25	12	V	5.4	1	3.69	13
401430235	2011	2	25	13	V	6.2	1	3.39	13
401430235	2011	2	25	14	V	2.9	1	3.3	21
401430235	2011	2	25	15	V	4.8	1	3.12	38
401430235	2011	2	25	16	V	4.6	1	2.18	33
401430235	2011	2	25	17	V	3.4	1	2.15	15
401430235	2011	2	25	18	V	4.5	1	2.39	7
401430235	2011	2	25	19	V	3.0	1	3.25	17
401430235	2011	2	25	20	V	2.5	1	3.54	27
401430235	2011	2	25	21	V	2.7	1	2.03	6
401430235	2011	2	25	22	V	2.8	1	1.94	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	25	23	V	3.8	1	2.22	359
401430235	2011	2	25	24	V	3.3	1	3.1	12
401430235	2011	2	26	1	V	2.4	1	2.98	8
401430235	2011	2	26	2	V	2.5	1	2.74	13
401430235	2011	2	26	3	V	2.0	1	2.62	19
401430235	2011	2	26	4	V	2.0	1	2.66	20
401430235	2011	2	26	5	V	2.2	1	2.83	20
401430235	2011	2	26	6	V	2.3	1	2.49	33
401430235	2011	2	26	7	V	6.6	1	2.33	43
401430235	2011	2	26	8	V	2.5	1	1.84	70
401430235	2011	2	26	9	V	2.2	1	2.22	126
401430235	2011	2	26	10	V	3.1	1	2.86	146
401430235	2011	2	26	11	V	2.9	1	3.58	168
401430235	2011	2	26	12	V	5.6	1	3.91	181
401430235	2011	2	26	13	V	6.5	1	4.36	193
401430235	2011	2	26	14	V	3.0	1	4.65	200
401430235	2011	2	26	15	V	2.0	1	4.02	213
401430235	2011	2	26	16	V	3.5	1	2.59	224
401430235	2011	2	26	17	V	4.5	1	1.08	269
401430235	2011	2	26	18	V	4.4	2	1.76	28
401430235	2011	2	26	19	V	3.0	2	2.27	23
401430235	2011	2	26	20	V	2.5	1	2.66	32
401430235	2011	2	26	21	V	2.9	1	3.13	34
401430235	2011	2	26	22	V	2.7	1	2.95	24
401430235	2011	2	26	23	V	3.8	1	2.91	22
401430235	2011	2	26	24	V	4.5	1	1.82	35
401430235	2011	2	27	1	V	2.7	0	1.18	12
401430235	2011	2	27	2	C	-999	1	0	0
401430235	2011	2	27	3	C	-999	1	0	0
401430235	2011	2	27	4	V	2.8	1	1.09	186
401430235	2011	2	27	5	V	2.6	1	1.16	173
401430235	2011	2	27	6	V	2.2	1	1.33	156
401430235	2011	2	27	7	V	1.7	1	3.52	169
401430235	2011	2	27	8	V	2.5	1	4.37	181
401430235	2011	2	27	9	V	2.1	1	5.3	176
401430235	2011	2	27	10	V	3.0	1	5.92	173
401430235	2011	2	27	11	V	2.9	1	5.63	171
401430235	2011	2	27	12	V	5.4	1	5.44	171
401430235	2011	2	27	13	V	6.3	1	7.59	177
401430235	2011	2	27	14	V	3.0	1	8.05	180
401430235	2011	2	27	15	V	2.1	1	8.79	184
401430235	2011	2	27	16	V	3.4	1	9.02	183
401430235	2011	2	27	17	V	3.6	1	7.84	186
401430235	2011	2	27	18	V	4.4	1	5.53	175
401430235	2011	2	27	19	V	3.0	1	4.42	164
401430235	2011	2	27	20	V	2.4	1	4.51	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	2	27	21	V	2.8	1	2.84	180
401430235	2011	2	27	22	V	2.8	1	4.76	192
401430235	2011	2	27	23	V	4.1	1	3.64	211
401430235	2011	2	27	24	V	3.3	1	3.46	254
401430235	2011	2	28	1	V	2.4	1	5.55	5
401430235	2011	2	28	2	V	2.4	1	3.91	358
401430235	2011	2	28	3	V	22.6	1	3.32	329
401430235	2011	2	28	4	V	27.2	2	4.65	320
401430235	2011	2	28	5	V	19.0	1	5.99	330
401430235	2011	2	28	6	V	2.4	0	6.3	350
401430235	2011	2	28	7	V	1.7	1	5.72	355
401430235	2011	2	28	8	V	3.7	1	4.99	346
401430235	2011	2	28	9	V	2.1	1	4.83	346
401430235	2011	2	28	10	V	3.6	1	4.54	344
401430235	2011	2	28	11	V	2.9	1	4.65	356
401430235	2011	2	28	12	V	5.6	1	3.91	354
401430235	2011	2	28	13	V	6.3	3	4.7	358
401430235	2011	2	28	14	V	2.9	1	4.63	11
401430235	2011	2	28	15	V	1.9	1	4.63	13
401430235	2011	2	28	16	V	3.2	1	4.12	17
401430235	2011	2	28	17	V	3.4	1	3.8	9
401430235	2011	2	28	18	V	4.4	1	4.1	26
401430235	2011	2	28	19	V	3.0	1	2.62	32
401430235	2011	2	28	20	V	2.4	1	2.28	25
401430235	2011	2	28	21	V	4.5	1	1.09	35
401430235	2011	2	28	22	C	-999	1	0	0
401430235	2011	2	28	23	V	5.4	1	0.69	263
401430235	2011	2	28	24	V	4.4	1	0.8	272
401430235	2011	3	1	1	V	2.0	1	0.87	226
401430235	2011	3	1	2	V	2.2	2	0.67	238
401430235	2011	3	1	3	C	-999	1	0	0
401430235	2011	3	1	4	V	1.9	1	0.67	225
401430235	2011	3	1	5	V	4.5	1	0.53	212
401430235	2011	3	1	6	V	1.5	1	0.79	220
401430235	2011	3	1	7	V	1.7	1	1.03	213
401430235	2011	3	1	8	V	4.4	1	1.25	177
401430235	2011	3	1	9	V	1.9	1	1.79	171
401430235	2011	3	1	10	V	2.6	1	4.15	178
401430235	2011	3	1	11	V	2.2	1	4.75	190
401430235	2011	3	1	12	V	2.5	1	5.48	189
401430235	2011	3	1	13	V	2.5	1	5.38	205
401430235	2011	3	1	14	V	2.4	1	5.73	209
401430235	2011	3	1	15	V	1.8	1	5.34	209
401430235	2011	3	1	16	V	2.1	1	4.83	213
401430235	2011	3	1	17	V	3.8	1	4	215
401430235	2011	3	1	18	V	3.9	1	3.63	203

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	1	19	V	1.8	1	1.65	190
401430235	2011	3	1	20	V	3.2	1	1.55	198
401430235	2011	3	1	21	V	5.1	1	0.86	41
401430235	2011	3	1	22	V	25.4	1	0.6	305
401430235	2011	3	1	23	V	2.6	1	0.67	215
401430235	2011	3	1	24	V	2.5	1	0.8	216
401430235	2011	3	2	1	V	3.0	1	0.65	253
401430235	2011	3	2	2	C	-999	1	0	0
401430235	2011	3	2	3	C	-999	1	0	0
401430235	2011	3	2	4	C	-999	1	0	0
401430235	2011	3	2	5	C	-999	1	0	0
401430235	2011	3	2	6	V	2.0	1	1.04	347
401430235	2011	3	2	7	V	1.2	1	2.04	11
401430235	2011	3	2	8	V	4.2	1	1.3	25
401430235	2011	3	2	9	V	6.8	2	0.7	64
401430235	2011	3	2	10	V	4.6	2	1.33	74
401430235	2011	3	2	11	V	2.4	2	2.1	93
401430235	2011	3	2	12	V	2.6	2	2.35	129
401430235	2011	3	2	13	V	2.6	2	2.83	144
401430235	2011	3	2	14	V	2.5	2	3	110
401430235	2011	3	2	15	V	1.8	2	3.66	104
401430235	2011	3	2	16	V	2.1	2	4.66	132
401430235	2011	3	2	17	V	3.7	2	4.75	131
401430235	2011	3	2	18	V	3.8	2	3.95	145
401430235	2011	3	2	19	V	1.5	1	2.88	166
401430235	2011	3	2	20	V	3.0	1	2.22	138
401430235	2011	3	2	21	V	2.8	1	1.87	153
401430235	2011	3	2	22	V	2.1	1	0.96	167
401430235	2011	3	2	23	V	1.9	1	0.82	224
401430235	2011	3	2	24	V	1.7	1	1.6	178
401430235	2011	3	3	1	V	1.6	1	1.37	165
401430235	2011	3	3	2	V	1.0	1	2.23	154
401430235	2011	3	3	3	V	0.9	1	1.11	167
401430235	2011	3	3	4	V	0.6	1	2.79	163
401430235	2011	3	3	5	V	1.5	1	3.29	155
401430235	2011	3	3	6	V	0.6	1	1.81	176
401430235	2011	3	3	7	V	1.1	1	2.83	157
401430235	2011	3	3	8	V	4.0	1	2.74	153
401430235	2011	3	3	9	V	1.3	1	4.03	149
401430235	2011	3	3	10	V	2.4	1	5.45	160
401430235	2011	3	3	11	V	1.9	2	5.99	166
401430235	2011	3	3	12	V	2.2	2	6.11	162
401430235	2011	3	3	13	V	2.4	-999	5.85	167
401430235	2011	3	3	14	V	2.4	2	7.01	171
401430235	2011	3	3	15	V	1.8	2	7.45	172
401430235	2011	3	3	16	V	2.1	3	7.11	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	3	17	V	3.8	3	7.46	182
401430235	2011	3	3	18	V	3.9	3	3.36	179
401430235	2011	3	3	19	V	1.6	2	2.36	173
401430235	2011	3	3	20	V	3.0	2	2.36	156
401430235	2011	3	3	21	V	2.7	2	2.86	172
401430235	2011	3	3	22	V	1.9	2	1.33	193
401430235	2011	3	3	23	V	1.7	1	1.21	183
401430235	2011	3	3	24	V	1.7	1	1.42	156
401430235	2011	3	4	1	V	1.5	1	1.54	165
401430235	2011	3	4	2	V	1.2	1	1.38	165
401430235	2011	3	4	3	V	0.6	1	1.74	157
401430235	2011	3	4	4	V	0.6	1	2.35	148
401430235	2011	3	4	5	V	1.5	1	2.42	150
401430235	2011	3	4	6	V	0.6	1	2.2	143
401430235	2011	3	4	7	V	1.2	1	2.88	151
401430235	2011	3	4	8	V	4.1	1	3.34	151
401430235	2011	3	4	9	V	1.3	1	3.73	157
401430235	2011	3	4	10	V	2.5	1	4.78	173
401430235	2011	3	4	11	V	2.0	1	5.46	178
401430235	2011	3	4	12	V	2.4	1	5.67	182
401430235	2011	3	4	13	V	2.5	1	4.36	199
401430235	2011	3	4	14	V	2.5	0	3.12	222
401430235	2011	3	4	15	V	2.2	1	1.47	267
401430235	2011	3	4	16	V	5.2	4	3.25	300
401430235	2011	3	4	17	V	3.8	1	4.63	349
401430235	2011	3	4	18	V	4.0	1	4.71	354
401430235	2011	3	4	19	V	2.9	1	4.58	347
401430235	2011	3	4	20	V	3.8	1	5.63	349
401430235	2011	3	4	21	V	3.0	1	5.19	353
401430235	2011	3	4	22	V	1.6	0	5.51	356
401430235	2011	3	4	23	V	1.2	0	5.8	357
401430235	2011	3	4	24	V	2.0	1	5.44	351
401430235	2011	3	5	1	V	5.3	1	5	342
401430235	2011	3	5	2	V	2.3	1	4.68	347
401430235	2011	3	5	3	V	2.2	1	4.9	346
401430235	2011	3	5	4	V	2.0	1	5.5	347
401430235	2011	3	5	5	V	2.8	1	4.9	347
401430235	2011	3	5	6	V	1.8	1	3.98	347
401430235	2011	3	5	7	V	8.3	1	4.68	338
401430235	2011	3	5	8	V	12.3	1	4.95	337
401430235	2011	3	5	9	V	1.4	1	4.49	349
401430235	2011	3	5	10	V	2.7	1	4.54	348
401430235	2011	3	5	11	V	3.5	3	4.36	343
401430235	2011	3	5	12	V	3.4	3	5.12	344
401430235	2011	3	5	13	V	2.4	1	5.26	1
401430235	2011	3	5	14	V	2.4	1	5.67	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	5	15	V	1.7	1	5.36	4
401430235	2011	3	5	16	V	2.0	1	5.31	359
401430235	2011	3	5	17	V	3.7	1	4.54	359
401430235	2011	3	5	18	V	3.8	1	3.73	3
401430235	2011	3	5	19	V	1.6	1	3.08	20
401430235	2011	3	5	20	V	3.0	1	1.93	7
401430235	2011	3	5	21	V	2.8	1	2.37	22
401430235	2011	3	5	22	V	1.6	1	1.54	2
401430235	2011	3	5	23	V	1.2	1	1.84	9
401430235	2011	3	5	24	V	9.9	1	1.08	340
401430235	2011	3	6	1	V	1.7	1	1.09	3
401430235	2011	3	6	2	V	1.5	1	0.92	7
401430235	2011	3	6	3	V	0.7	1	1.25	16
401430235	2011	3	6	4	V	0.8	1	1.33	16
401430235	2011	3	6	5	V	1.6	1	1.55	13
401430235	2011	3	6	6	V	0.8	1	1.28	22
401430235	2011	3	6	7	V	10.3	1	0.7	296
401430235	2011	3	6	8	V	5.3	1	0.82	189
401430235	2011	3	6	9	V	1.5	1	2.66	136
401430235	2011	3	6	10	V	2.7	1	2.76	133
401430235	2011	3	6	11	V	2.3	1	2.2	129
401430235	2011	3	6	12	V	2.5	2	2.32	136
401430235	2011	3	6	13	V	2.6	3	2.57	142
401430235	2011	3	6	14	V	2.4	2	4.14	159
401430235	2011	3	6	15	V	1.8	1	4.51	161
401430235	2011	3	6	16	V	2.1	1	4.05	156
401430235	2011	3	6	17	V	3.7	1	4.48	149
401430235	2011	3	6	18	V	3.8	1	4.22	138
401430235	2011	3	6	19	V	1.5	1	4.2	136
401430235	2011	3	6	20	V	3.0	1	3.8	139
401430235	2011	3	6	21	V	2.8	1	3.9	139
401430235	2011	3	6	22	V	1.4	1	4.39	138
401430235	2011	3	6	23	V	1.1	1	3.81	144
401430235	2011	3	6	24	V	1.5	1	3.18	146
401430235	2011	3	7	1	V	1.3	1	3.29	144
401430235	2011	3	7	2	V	1.0	1	3.54	144
401430235	2011	3	7	3	V	0.5	1	3.95	154
401430235	2011	3	7	4	V	0.6	1	4.46	148
401430235	2011	3	7	5	V	1.5	1	4.48	149
401430235	2011	3	7	6	V	0.6	1	4.58	142
401430235	2011	3	7	7	V	1.1	1	5.51	140
401430235	2011	3	7	8	V	4.0	1	5.51	134
401430235	2011	3	7	9	V	1.3	1	5.8	139
401430235	2011	3	7	10	V	2.4	1	5.68	151
401430235	2011	3	7	11	V	1.9	1	6.74	155
401430235	2011	3	7	12	V	2.2	1	7.28	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	7	13	V	2.4	1	6.43	166
401430235	2011	3	7	14	V	2.4	1	6.24	158
401430235	2011	3	7	15	V	1.7	1	6.87	118
401430235	2011	3	7	16	V	2.0	1	6.91	111
401430235	2011	3	7	17	V	3.6	1	7.08	119
401430235	2011	3	7	18	V	3.8	1	6.11	123
401430235	2011	3	7	19	V	1.6	1	4.88	124
401430235	2011	3	7	20	V	3.0	1	3.86	124
401430235	2011	3	7	21	V	2.8	2	3.18	112
401430235	2011	3	7	22	V	1.5	1	3.64	105
401430235	2011	3	7	23	V	1.1	1	4.49	108
401430235	2011	3	7	24	V	1.5	2	4.49	109
401430235	2011	3	8	1	V	1.4	2	4.6	113
401430235	2011	3	8	2	V	1.0	1	4.2	107
401430235	2011	3	8	3	V	0.5	1	5.38	109
401430235	2011	3	8	4	V	0.6	1	5.05	112
401430235	2011	3	8	5	V	1.5	1	3.12	74
401430235	2011	3	8	6	V	0.6	1	3.05	65
401430235	2011	3	8	7	V	1.2	1	2.2	75
401430235	2011	3	8	8	V	4.1	1	3.37	115
401430235	2011	3	8	9	V	1.4	1	2.61	80
401430235	2011	3	8	10	V	4.2	1	2.64	45
401430235	2011	3	8	11	V	4.1	1	2.79	39
401430235	2011	3	8	12	V	2.3	1	3.08	81
401430235	2011	3	8	13	V	2.7	1	1.76	62
401430235	2011	3	8	14	V	2.5	1	2.33	13
401430235	2011	3	8	15	V	1.8	1	3.1	13
401430235	2011	3	8	16	V	2.0	1	3.66	9
401430235	2011	3	8	17	V	3.7	1	3.74	356
401430235	2011	3	8	18	V	3.9	1	2.91	2
401430235	2011	3	8	19	V	1.7	1	1.62	349
401430235	2011	3	8	20	V	25.9	1	2.18	328
401430235	2011	3	8	21	V	25.1	1	3.44	322
401430235	2011	3	8	22	V	11.4	1	2.66	337
401430235	2011	3	8	23	V	2.4	1	3.12	347
401430235	2011	3	8	24	V	4.6	1	3.54	343
401430235	2011	3	9	1	V	11.6	1	3.3	336
401430235	2011	3	9	2	V	17.1	1	3.3	331
401430235	2011	3	9	3	V	27.4	2	2.96	319
401430235	2011	3	9	4	V	24.5	2	3.2	314
401430235	2011	3	9	5	V	19.5	3	3.29	328
401430235	2011	3	9	6	V	24.5	4	3.24	319
401430235	2011	3	9	7	V	22.0	6	3.61	312
401430235	2011	3	9	8	V	28.8	6	3.18	316
401430235	2011	3	9	9	V	6.4	5	3.69	304
401430235	2011	3	9	10	V	11.2	10	3.91	310

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	9	11	V	10.4	11	4.07	311
401430235	2011	3	9	12	V	7.2	10	3.58	304
401430235	2011	3	9	13	V	3.8	4	4.27	296
401430235	2011	3	9	14	V	4.1	3	4.27	297
401430235	2011	3	9	15	V	4.6	3	4.41	301
401430235	2011	3	9	16	V	9.0	19	4.53	310
401430235	2011	3	9	17	V	12.4	21	4.76	322
401430235	2011	3	9	18	V	12.2	24	4.09	330
401430235	2011	3	9	19	V	21.0	23	2.76	328
401430235	2011	3	9	20	V	18.8	3	0.97	303
401430235	2011	3	9	21	V	3.5	2	0.82	266
401430235	2011	3	9	22	V	1.5	2	1.67	282
401430235	2011	3	9	23	V	29.1	8	2.61	314
401430235	2011	3	9	24	V	22.9	23	2.93	323
401430235	2011	3	10	1	V	17.3	25	3.47	328
401430235	2011	3	10	2	V	7.0	6	4.32	338
401430235	2011	3	10	3	V	13.6	22	3.42	333
401430235	2011	3	10	4	V	27.7	29	2.23	317
401430235	2011	3	10	5	V	28.1	25	1.5	308
401430235	2011	3	10	6	V	18.6	7	1.26	305
401430235	2011	3	10	7	V	30.8	3	1.5	323
401430235	2011	3	10	8	V	4.1	1	2.83	357
401430235	2011	3	10	9	V	3.5	1	3.15	342
401430235	2011	3	10	10	V	2.5	1	3.44	1
401430235	2011	3	10	11	V	2.0	1	4.24	16
401430235	2011	3	10	12	V	4.1	6	3.05	344
401430235	2011	3	10	13	V	5.5	3	3.13	336
401430235	2011	3	10	14	V	6.7	7	2.91	314
401430235	2011	3	10	15	V	5.3	7	2.33	313
401430235	2011	3	10	16	V	6.4	1	2.47	315
401430235	2011	3	10	17	V	10.0	1	2.86	312
401430235	2011	3	10	18	V	12.3	3	1.64	329
401430235	2011	3	10	19	C	-999	1	0	0
401430235	2011	3	10	20	V	5.0	1	0.6	259
401430235	2011	3	10	21	V	4.2	2	0.67	214
401430235	2011	3	10	22	V	2.3	1	1.01	186
401430235	2011	3	10	23	V	1.2	1	1.81	180
401430235	2011	3	10	24	V	1.5	1	2.28	166
401430235	2011	3	11	1	V	1.4	1	2.3	167
401430235	2011	3	11	2	V	1.1	1	1.47	158
401430235	2011	3	11	3	V	1.3	1	0.96	199
401430235	2011	3	11	4	V	1.2	1	0.97	215
401430235	2011	3	11	5	V	2.3	1	0.96	196
401430235	2011	3	11	6	V	1.1	1	1.09	177
401430235	2011	3	11	7	V	1.3	1	1.31	166
401430235	2011	3	11	8	V	4.2	1	1.21	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	11	9	V	1.4	2	4.17	178
401430235	2011	3	11	10	V	2.6	2	6.64	188
401430235	2011	3	11	11	V	2.1	2	8.49	196
401430235	2011	3	11	12	V	2.4	2	10.05	192
401430235	2011	3	11	13	V	2.5	2	9.63	193
401430235	2011	3	11	14	V	2.5	2	10.04	193
401430235	2011	3	11	15	V	1.9	5	9.88	188
401430235	2011	3	11	16	V	2.2	13	8.71	191
401430235	2011	3	11	17	V	3.9	6	9.08	192
401430235	2011	3	11	18	V	4.0	3	7.26	192
401430235	2011	3	11	19	V	1.6	3	4.97	187
401430235	2011	3	11	20	V	3.0	2	3.9	170
401430235	2011	3	11	21	V	2.8	2	2.1	178
401430235	2011	3	11	22	V	1.5	1	1.77	162
401430235	2011	3	11	23	V	1.1	2	2.49	171
401430235	2011	3	11	24	V	1.9	2	1.08	154
401430235	2011	3	12	1	V	1.9	2	0.96	220
401430235	2011	3	12	2	V	2.7	2	0.62	221
401430235	2011	3	12	3	V	0.7	2	1.23	353
401430235	2011	3	12	4	V	0.6	2	2.42	13
401430235	2011	3	12	5	V	1.4	1	2.4	16
401430235	2011	3	12	6	V	1.3	1	1.14	348
401430235	2011	3	12	7	V	2.9	2	0.63	210
401430235	2011	3	12	8	V	6.2	2	0.62	202
401430235	2011	3	12	9	V	1.8	2	2.04	154
401430235	2011	3	12	10	V	2.5	2	3.15	162
401430235	2011	3	12	11	V	2.1	2	2.79	148
401430235	2011	3	12	12	V	2.4	2	2.59	123
401430235	2011	3	12	13	V	2.6	2	2.3	101
401430235	2011	3	12	14	V	2.5	2	2.55	25
401430235	2011	3	12	15	V	1.8	2	2.89	27
401430235	2011	3	12	16	V	2.1	2	3.41	17
401430235	2011	3	12	17	V	3.7	2	3.78	31
401430235	2011	3	12	18	V	3.7	2	4.95	18
401430235	2011	3	12	19	V	1.6	2	5.97	35
401430235	2011	3	12	20	V	3.0	2	4.32	30
401430235	2011	3	12	21	V	2.8	2	4.44	28
401430235	2011	3	12	22	V	1.5	2	3.8	20
401430235	2011	3	12	23	V	1.2	3	4.2	18
401430235	2011	3	12	24	V	1.6	2	4.58	24
401430235	2011	3	13	1	V	1.4	2	4.99	30
401430235	2011	3	13	2	V	1.0	1	4.76	27
401430235	2011	3	13	3	V	0.5	1	4.07	26
401430235	2011	3	13	4	V	0.6	1	4.54	23
401430235	2011	3	13	5	V	1.5	1	5.63	28
401430235	2011	3	13	6	V	0.5	1	4.9	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	13	7	V	1.2	1	4.54	25
401430235	2011	3	13	8	V	4.0	1	4.66	35
401430235	2011	3	13	9	V	1.3	1	4.87	44
401430235	2011	3	13	10	V	2.4	1	3.83	23
401430235	2011	3	13	11	V	1.9	1	3.8	26
401430235	2011	3	13	12	V	2.2	1	4.14	28
401430235	2011	3	13	13	V	2.4	1	3.97	31
401430235	2011	3	13	14	V	2.4	1	3.25	26
401430235	2011	3	13	15	V	1.8	1	3.15	26
401430235	2011	3	13	16	V	2.0	1	4.07	10
401430235	2011	3	13	17	V	3.6	1	4.39	2
401430235	2011	3	13	18	V	3.8	1	5.51	19
401430235	2011	3	13	19	V	1.6	1	5.1	26
401430235	2011	3	13	20	V	3.0	1	3.93	25
401430235	2011	3	13	21	V	3.0	1	3.66	353
401430235	2011	3	13	22	V	1.6	1	4.85	356
401430235	2011	3	13	23	V	2.5	0	5.21	347
401430235	2011	3	13	24	V	1.7	1	5.44	355
401430235	2011	3	14	1	V	1.4	1	5.73	5
401430235	2011	3	14	2	V	1.3	1	4.92	352
401430235	2011	3	14	3	V	1.1	1	4.82	350
401430235	2011	3	14	4	V	3.2	1	4.78	344
401430235	2011	3	14	5	V	2.8	1	4.59	347
401430235	2011	3	14	6	V	3.8	1	4.78	343
401430235	2011	3	14	7	V	1.3	1	5.46	354
401430235	2011	3	14	8	V	4.0	1	5.5	1
401430235	2011	3	14	9	V	1.3	1	5.53	359
401430235	2011	3	14	10	V	2.4	1	5.21	360
401430235	2011	3	14	11	V	1.9	1	4.9	356
401430235	2011	3	14	12	V	2.6	1	4.36	348
401430235	2011	3	14	13	V	4.9	1	3.93	340
401430235	2011	3	14	14	V	10.2	2	4.14	326
401430235	2011	3	14	15	V	8.7	3	4.14	330
401430235	2011	3	14	16	V	7.9	4	3.97	333
401430235	2011	3	14	17	V	9.7	2	3.34	334
401430235	2011	3	14	18	V	29.0	2	2.55	326
401430235	2011	3	14	19	V	1.6	1	3.41	7
401430235	2011	3	14	20	V	3.0	0	2.96	13
401430235	2011	3	14	21	V	3.3	1	2.36	348
401430235	2011	3	14	22	V	1.5	1	3.36	30
401430235	2011	3	14	23	V	1.2	1	3.36	17
401430235	2011	3	14	24	V	1.6	1	3.86	20
401430235	2011	3	15	1	V	1.4	1	2.47	20
401430235	2011	3	15	2	V	1.0	1	2.81	21
401430235	2011	3	15	3	V	0.5	1	2.57	17
401430235	2011	3	15	4	V	0.6	1	2.56	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	15	5	C	-999	1	0	0
401430235	2011	3	15	6	V	0.6	1	1.76	46
401430235	2011	3	15	7	C	-999	1	0	0
401430235	2011	3	15	8	V	4.5	1	0.95	54
401430235	2011	3	15	9	V	3.7	3	1.16	142
401430235	2011	3	15	10	V	3.4	16	1.62	209
401430235	2011	3	15	11	V	3.7	13	1.23	126
401430235	2011	3	15	12	V	3.7	7	1.31	152
401430235	2011	3	15	13	V	2.8	3	1.98	90
401430235	2011	3	15	14	V	3.0	2	1.72	129
401430235	2011	3	15	15	V	2.7	5	1.42	125
401430235	2011	3	15	16	V	2.3	1	1.98	88
401430235	2011	3	15	17	V	3.8	1	2.47	118
401430235	2011	3	15	18	V	3.7	1	2.83	134
401430235	2011	3	15	19	V	1.5	1	2.86	135
401430235	2011	3	15	20	V	3.0	1	1.77	155
401430235	2011	3	15	21	V	4.3	1	0.69	163
401430235	2011	3	15	22	V	2.2	1	0.86	126
401430235	2011	3	15	23	V	1.3	1	1.35	165
401430235	2011	3	15	24	V	1.9	2	1.25	181
401430235	2011	3	16	1	V	1.7	1	1.69	189
401430235	2011	3	16	2	V	1.0	1	2.15	181
401430235	2011	3	16	3	V	1.2	1	0.75	232
401430235	2011	3	16	4	V	1.5	1	0.8	164
401430235	2011	3	16	5	V	1.6	1	1.59	165
401430235	2011	3	16	6	V	1.6	1	0.72	266
401430235	2011	3	16	7	V	1.7	1	0.87	84
401430235	2011	3	16	8	V	4.4	1	1.45	159
401430235	2011	3	16	9	V	1.5	1	2.57	150
401430235	2011	3	16	10	V	2.5	2	3.95	157
401430235	2011	3	16	11	V	1.9	2	5.48	165
401430235	2011	3	16	12	V	2.3	3	6.23	173
401430235	2011	3	16	13	V	2.4	3	6.31	175
401430235	2011	3	16	14	V	2.4	-999	6.06	169
401430235	2011	3	16	15	V	1.8	2	6.45	166
401430235	2011	3	16	16	V	2.1	1	7.25	172
401430235	2011	3	16	17	V	3.9	2	7.23	186
401430235	2011	3	16	18	V	3.9	2	7.42	183
401430235	2011	3	16	19	V	1.6	2	5.73	176
401430235	2011	3	16	20	V	3.0	1	4.9	166
401430235	2011	3	16	21	V	2.8	1	4.71	167
401430235	2011	3	16	22	V	1.5	1	4.8	173
401430235	2011	3	16	23	V	1.3	1	6.99	184
401430235	2011	3	16	24	V	1.6	1	6.6	182
401430235	2011	3	17	1	V	1.4	1	6.01	180
401430235	2011	3	17	2	V	1.0	1	6.38	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	17	3	V	0.6	1	7.13	182
401430235	2011	3	17	4	V	0.8	1	7.28	185
401430235	2011	3	17	5	V	1.6	1	7.06	183
401430235	2011	3	17	6	V	0.7	1	7.15	182
401430235	2011	3	17	7	V	1.2	1	6.92	182
401430235	2011	3	17	8	V	4.1	1	6.87	183
401430235	2011	3	17	9	V	1.5	1	7.28	184
401430235	2011	3	17	10	V	2.7	1	8.03	191
401430235	2011	3	17	11	V	2.1	1	8.4	194
401430235	2011	3	17	12	V	2.4	1	9.36	188
401430235	2011	3	17	13	V	2.5	2	8.42	191
401430235	2011	3	17	14	V	2.5	2	8.5	184
401430235	2011	3	17	15	V	1.9	2	8.64	189
401430235	2011	3	17	16	V	2.2	2	8.23	190
401430235	2011	3	17	17	V	3.9	2	7.76	187
401430235	2011	3	17	18	V	4.0	2	7.23	187
401430235	2011	3	17	19	V	1.6	2	4.58	181
401430235	2011	3	17	20	V	3.0	1	4.03	171
401430235	2011	3	17	21	V	2.8	1	3.91	169
401430235	2011	3	17	22	V	1.5	1	3.61	163
401430235	2011	3	17	23	V	1.1	1	3.3	166
401430235	2011	3	17	24	V	1.5	1	2.5	160
401430235	2011	3	18	1	V	1.3	1	2.3	149
401430235	2011	3	18	2	V	0.9	1	2.57	161
401430235	2011	3	18	3	V	0.5	1	2.28	166
401430235	2011	3	18	4	V	1.1	1	1	162
401430235	2011	3	18	5	V	33.3	1	0.88	331
401430235	2011	3	18	6	C	-999	1	0	0
401430235	2011	3	18	7	V	1.8	1	0.87	210
401430235	2011	3	18	8	V	5.2	1	0.89	199
401430235	2011	3	18	9	V	1.8	1	1.77	168
401430235	2011	3	18	10	V	2.7	1	2.95	182
401430235	2011	3	18	11	V	2.3	1	2.38	192
401430235	2011	3	18	12	V	2.2	1	5.6	2
401430235	2011	3	18	13	V	2.3	1	6.72	12
401430235	2011	3	18	14	V	2.3	1	6.07	11
401430235	2011	3	18	15	V	1.7	1	6.8	16
401430235	2011	3	18	16	V	2.0	1	6.79	18
401430235	2011	3	18	17	V	3.6	1	7.3	25
401430235	2011	3	18	18	V	3.7	1	6.97	26
401430235	2011	3	18	19	V	1.6	1	5.79	37
401430235	2011	3	18	20	V	3.0	1	5.55	28
401430235	2011	3	18	21	V	2.8	1	5.41	31
401430235	2011	3	18	22	V	1.5	1	5.02	32
401430235	2011	3	18	23	V	1.1	1	4.85	31
401430235	2011	3	18	24	V	1.5	1	3.97	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	19	1	V	1.4	1	3.95	41
401430235	2011	3	19	2	V	1.0	1	3.78	50
401430235	2011	3	19	3	V	0.5	1	3.59	44
401430235	2011	3	19	4	V	0.6	1	3.66	42
401430235	2011	3	19	5	V	1.5	1	3.32	58
401430235	2011	3	19	6	V	0.5	1	3.13	43
401430235	2011	3	19	7	V	1.1	0	3.86	52
401430235	2011	3	19	8	V	4.0	1	3.96	61
401430235	2011	3	19	9	V	1.3	1	4.86	137
401430235	2011	3	19	10	V	2.4	1	6.46	152
401430235	2011	3	19	11	V	1.9	1	6.16	163
401430235	2011	3	19	12	V	2.2	1	4.76	156
401430235	2011	3	19	13	V	2.5	1	2.61	145
401430235	2011	3	19	14	V	2.6	1	2.11	53
401430235	2011	3	19	15	V	1.9	1	2.54	152
401430235	2011	3	19	16	V	2.1	1	3.59	70
401430235	2011	3	19	17	V	3.7	1	3.93	41
401430235	2011	3	19	18	V	3.7	1	6.33	115
401430235	2011	3	19	19	V	1.6	1	5.73	134
401430235	2011	3	19	20	V	3.0	1	5.21	139
401430235	2011	3	19	21	V	2.7	1	4.24	141
401430235	2011	3	19	22	V	1.5	1	3.44	148
401430235	2011	3	19	23	V	1.1	1	3.78	157
401430235	2011	3	19	24	V	1.5	1	3.58	157
401430235	2011	3	20	1	V	1.3	1	4.22	149
401430235	2011	3	20	2	V	1.0	1	4.05	160
401430235	2011	3	20	3	V	0.5	1	3.22	163
401430235	2011	3	20	4	V	0.6	1	4.73	165
401430235	2011	3	20	5	V	1.5	1	4.63	165
401430235	2011	3	20	6	V	0.6	1	4.92	165
401430235	2011	3	20	7	V	1.1	1	4.17	161
401430235	2011	3	20	8	V	4.0	1	3.8	169
401430235	2011	3	20	9	V	1.5	1	4.87	182
401430235	2011	3	20	10	V	2.6	4	7.4	189
401430235	2011	3	20	11	V	2.1	4	8.03	194
401430235	2011	3	20	12	V	2.4	2	7.76	188
401430235	2011	3	20	13	V	2.5	2	7.84	184
401430235	2011	3	20	14	V	2.5	2	8.3	187
401430235	2011	3	20	15	V	1.9	2	8.06	195
401430235	2011	3	20	16	V	2.2	2	7.76	189
401430235	2011	3	20	17	V	3.9	2	8.11	190
401430235	2011	3	20	18	V	4.0	3	7.28	192
401430235	2011	3	20	19	V	1.6	2	5.44	192
401430235	2011	3	20	20	V	3.0	2	4.78	187
401430235	2011	3	20	21	V	2.8	2	4.61	178
401430235	2011	3	20	22	V	1.5	1	5.56	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	20	23	V	1.1	1	3.46	170
401430235	2011	3	20	24	V	1.5	1	2.57	173
401430235	2011	3	21	1	V	1.6	1	1.57	180
401430235	2011	3	21	2	V	1.0	1	2.22	176
401430235	2011	3	21	3	V	0.5	1	2.9	172
401430235	2011	3	21	4	V	0.6	1	2.67	169
401430235	2011	3	21	5	V	1.7	1	1.26	152
401430235	2011	3	21	6	V	0.6	1	1.99	143
401430235	2011	3	21	7	V	1.1	1	2.91	172
401430235	2011	3	21	8	V	4.1	1	3.68	176
401430235	2011	3	21	9	V	1.5	2	6.05	184
401430235	2011	3	21	10	V	2.7	2	6.97	186
401430235	2011	3	21	11	V	2.2	1	7.2	192
401430235	2011	3	21	12	V	2.5	1	6.75	185
401430235	2011	3	21	13	V	2.6	2	6.41	185
401430235	2011	3	21	14	V	2.6	3	7.08	184
401430235	2011	3	21	15	V	1.8	2	6.21	177
401430235	2011	3	21	16	V	2.1	2	6.06	177
401430235	2011	3	21	17	V	3.7	1	6.28	174
401430235	2011	3	21	18	V	3.7	1	6.81	173
401430235	2011	3	21	19	V	1.6	1	4.71	171
401430235	2011	3	21	20	V	3.0	1	3.07	169
401430235	2011	3	21	21	V	2.8	1	3.27	154
401430235	2011	3	21	22	V	1.5	1	4.07	158
401430235	2011	3	21	23	V	1.1	1	4.73	164
401430235	2011	3	21	24	V	1.5	3	4.63	169
401430235	2011	3	22	1	V	1.4	2	5.89	177
401430235	2011	3	22	2	V	1.1	2	6.57	185
401430235	2011	3	22	3	V	0.6	2	7.23	185
401430235	2011	3	22	4	V	0.7	2	6.94	188
401430235	2011	3	22	5	V	1.6	2	6.65	185
401430235	2011	3	22	6	V	0.6	2	6.52	183
401430235	2011	3	22	7	V	1.2	1	6.94	181
401430235	2011	3	22	8	V	4.1	2	7.3	181
401430235	2011	3	22	9	V	1.5	2	7.48	187
401430235	2011	3	22	10	V	2.6	2	8.76	183
401430235	2011	3	22	11	V	2.1	2	8.33	188
401430235	2011	3	22	12	V	2.4	2	8.18	195
401430235	2011	3	22	13	V	2.6	3	9.13	191
401430235	2011	3	22	14	V	2.6	3	8.74	188
401430235	2011	3	22	15	V	1.9	5	9.44	193
401430235	2011	3	22	16	V	2.2	5	9.27	190
401430235	2011	3	22	17	V	3.9	5	8.95	187
401430235	2011	3	22	18	V	3.9	3	8.08	185
401430235	2011	3	22	19	V	1.8	3	7.91	188
401430235	2011	3	22	20	V	3.1	4	7.16	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	22	21	V	2.8	2	6.4	202
401430235	2011	3	22	22	V	1.5	2	5.9	197
401430235	2011	3	22	23	V	1.2	2	3.95	207
401430235	2011	3	22	24	V	1.5	1	2.93	204
401430235	2011	3	23	1	V	1.8	2	3.34	218
401430235	2011	3	23	2	V	1.0	1	1.62	230
401430235	2011	3	23	3	V	0.6	2	1.47	258
401430235	2011	3	23	4	V	0.7	2	1.62	283
401430235	2011	3	23	5	V	1.6	2	1.54	248
401430235	2011	3	23	6	V	0.5	2	2.57	274
401430235	2011	3	23	7	V	2.9	2	3.1	299
401430235	2011	3	23	8	V	8.7	3	2.5	299
401430235	2011	3	23	9	V	10.7	17	4.05	316
401430235	2011	3	23	10	V	9.4	16	4.66	324
401430235	2011	3	23	11	V	8.6	14	5.04	321
401430235	2011	3	23	12	V	8.0	14	5.41	318
401430235	2011	3	23	13	V	7.9	14	5.41	317
401430235	2011	3	23	14	V	7.4	5	5.46	324
401430235	2011	3	23	15	V	5.1	7	6.09	335
401430235	2011	3	23	16	V	8.0	13	4.97	317
401430235	2011	3	23	17	V	10.7	18	4.54	322
401430235	2011	3	23	18	V	11.2	28	4.1	331
401430235	2011	3	23	19	V	8.3	20	3.42	338
401430235	2011	3	23	20	V	15.2	13	2.88	334
401430235	2011	3	23	21	V	18.6	10	2.33	333
401430235	2011	3	23	22	V	1.6	2	1.74	348
401430235	2011	3	23	23	V	1.1	1	2.49	14
401430235	2011	3	23	24	V	1.5	1	4.07	15
401430235	2011	3	24	1	V	1.4	1	5.96	13
401430235	2011	3	24	2	V	1.0	1	5.34	16
401430235	2011	3	24	3	V	0.5	1	5.05	15
401430235	2011	3	24	4	V	0.6	1	3.58	8
401430235	2011	3	24	5	V	1.5	1	3.25	9
401430235	2011	3	24	6	V	0.6	1	3.63	7
401430235	2011	3	24	7	V	1.1	1	4.24	12
401430235	2011	3	24	8	V	3.9	1	5.22	12
401430235	2011	3	24	9	V	1.3	1	4.8	22
401430235	2011	3	24	10	V	2.6	1	5.07	30
401430235	2011	3	24	11	V	3.1	1	4.97	37
401430235	2011	3	24	12	V	2.8	3	4.42	32
401430235	2011	3	24	13	V	3.6	3	3.44	41
401430235	2011	3	24	14	V	3.1	1	2.86	42
401430235	2011	3	24	15	V	2.1	1	2.57	59
401430235	2011	3	24	16	V	2.2	1	2.73	79
401430235	2011	3	24	17	V	3.7	1	4.2	75
401430235	2011	3	24	18	V	3.7	1	3.66	92

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	24	19	V	1.6	2	3.95	101
401430235	2011	3	24	20	V	3.0	2	3.22	109
401430235	2011	3	24	21	V	2.7	2	2.49	119
401430235	2011	3	24	22	V	1.5	2	2.91	23
401430235	2011	3	24	23	V	1.2	1	1.91	53
401430235	2011	3	24	24	V	1.5	1	2.18	77
401430235	2011	3	25	1	V	2.9	1	2.21	37
401430235	2011	3	25	2	V	1.0	1	2.61	90
401430235	2011	3	25	3	V	0.5	1	2.04	114
401430235	2011	3	25	4	V	0.6	1	2.5	69
401430235	2011	3	25	5	V	1.5	1	3.83	72
401430235	2011	3	25	6	V	0.6	1	3.34	87
401430235	2011	3	25	7	V	1.2	1	3.07	78
401430235	2011	3	25	8	V	4.0	2	3.95	112
401430235	2011	3	25	9	V	1.3	3	3.85	128
401430235	2011	3	25	10	V	2.5	2	3.71	138
401430235	2011	3	25	11	V	2.1	2	2.91	162
401430235	2011	3	25	12	V	2.4	2	2.71	154
401430235	2011	3	25	13	V	2.7	6	2.11	95
401430235	2011	3	25	14	V	2.6	6	2.3	95
401430235	2011	3	25	15	V	2.1	3	2.06	85
401430235	2011	3	25	16	V	2.2	2	3.18	65
401430235	2011	3	25	17	V	3.8	3	2.79	69
401430235	2011	3	25	18	V	3.8	6	3.63	100
401430235	2011	3	25	19	V	1.6	2	4.2	101
401430235	2011	3	25	20	V	3.1	2	5.19	33
401430235	2011	3	25	21	V	2.8	2	5.16	31
401430235	2011	3	25	22	V	1.6	1	4.54	33
401430235	2011	3	25	23	V	1.1	1	5.12	30
401430235	2011	3	25	24	V	1.9	1	3.9	46
401430235	2011	3	26	1	V	1.4	1	4.85	53
401430235	2011	3	26	2	V	1.0	1	5.68	57
401430235	2011	3	26	3	V	0.5	1	5.6	59
401430235	2011	3	26	4	V	0.6	1	4.9	64
401430235	2011	3	26	5	V	1.5	1	4.29	65
401430235	2011	3	26	6	V	1.3	1	4.92	36
401430235	2011	3	26	7	V	1.3	1	5.02	32
401430235	2011	3	26	8	V	3.9	1	5.97	21
401430235	2011	3	26	9	V	1.8	1	6.56	36
401430235	2011	3	26	10	V	2.7	1	5.43	32
401430235	2011	3	26	11	V	2.0	1	4.17	23
401430235	2011	3	26	12	V	2.3	1	3.85	6
401430235	2011	3	26	13	V	2.4	1	3.93	6
401430235	2011	3	26	14	V	2.5	1	4.34	350
401430235	2011	3	26	15	V	1.8	1	4.46	353
401430235	2011	3	26	16	V	2.0	1	4.48	355

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	26	17	V	3.7	1	4.39	358
401430235	2011	3	26	18	V	3.7	1	4.87	7
401430235	2011	3	26	19	V	1.6	1	4.48	5
401430235	2011	3	26	20	V	3.0	1	4.75	7
401430235	2011	3	26	21	V	2.8	1	5.75	11
401430235	2011	3	26	22	V	1.5	1	4.53	16
401430235	2011	3	26	23	V	1.2	1	5.05	15
401430235	2011	3	26	24	V	1.6	1	5.02	18
401430235	2011	3	27	1	V	1.4	1	5.02	30
401430235	2011	3	27	2	V	2.4	1	5.27	42
401430235	2011	3	27	3	V	0.6	1	5.02	51
401430235	2011	3	27	4	V	0.6	1	4.36	28
401430235	2011	3	27	5	V	1.5	1	4.86	21
401430235	2011	3	27	6	V	0.6	1	3.86	50
401430235	2011	3	27	7	V	1.2	1	3.36	22
401430235	2011	3	27	8	V	4.2	1	4.86	34
401430235	2011	3	27	9	V	1.3	1	5	29
401430235	2011	3	27	10	V	3.3	1	4.71	35
401430235	2011	3	27	11	V	3.4	1	5.68	40
401430235	2011	3	27	12	V	2.4	1	4.78	31
401430235	2011	3	27	13	V	2.9	1	5.1	34
401430235	2011	3	27	14	V	2.5	1	5	51
401430235	2011	3	27	15	V	3.1	1	4.44	39
401430235	2011	3	27	16	V	3.4	1	3.44	40
401430235	2011	3	27	17	V	3.8	1	2.64	25
401430235	2011	3	27	18	V	3.7	1	2.69	7
401430235	2011	3	27	19	V	1.6	1	2.59	7
401430235	2011	3	27	20	V	3.0	1	2.79	25
401430235	2011	3	27	21	V	2.8	1	1.93	11
401430235	2011	3	27	22	V	1.5	1	2.62	27
401430235	2011	3	27	23	V	1.2	1	2.83	26
401430235	2011	3	27	24	V	1.6	1	3.8	25
401430235	2011	3	28	1	V	1.4	1	3.37	26
401430235	2011	3	28	2	V	1.0	1	3.81	30
401430235	2011	3	28	3	V	0.6	1	2.84	22
401430235	2011	3	28	4	V	0.7	1	3.1	3
401430235	2011	3	28	5	V	1.5	1	3.54	26
401430235	2011	3	28	6	V	0.6	1	3.25	27
401430235	2011	3	28	7	V	1.2	1	2.22	5
401430235	2011	3	28	8	V	4.1	1	2.27	6
401430235	2011	3	28	9	V	2.3	1	3	34
401430235	2011	3	28	10	V	4.2	1	3	42
401430235	2011	3	28	11	V	2.4	1	1.87	55
401430235	2011	3	28	12	V	3.2	1	1.28	163
401430235	2011	3	28	13	V	2.5	1	2.38	137
401430235	2011	3	28	14	V	2.4	1	3.05	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	28	15	V	1.8	1	3.08	141
401430235	2011	3	28	16	V	2.1	1	3.41	141
401430235	2011	3	28	17	V	3.7	1	3	135
401430235	2011	3	28	18	V	3.7	1	1.72	97
401430235	2011	3	28	19	V	1.6	1	1.62	52
401430235	2011	3	28	20	V	4.2	1	1.35	46
401430235	2011	3	28	21	V	2.8	1	2.15	9
401430235	2011	3	28	22	V	1.5	1	2.76	14
401430235	2011	3	28	23	V	1.2	1	2.16	1
401430235	2011	3	28	24	V	1.6	1	2.64	3
401430235	2011	3	29	1	V	1.4	1	2.11	351
401430235	2011	3	29	2	V	1.0	1	2.1	351
401430235	2011	3	29	3	V	0.6	1	2.88	2
401430235	2011	3	29	4	V	0.7	1	3.05	9
401430235	2011	3	29	5	V	1.5	1	2.61	12
401430235	2011	3	29	6	V	0.6	1	2.38	13
401430235	2011	3	29	7	V	1.2	1	1.47	15
401430235	2011	3	29	8	V	11.8	1	0.77	341
401430235	2011	3	29	9	V	5.4	1	1.47	347
401430235	2011	3	29	10	V	2.7	1	2.5	4
401430235	2011	3	29	11	V	2.0	1	3.27	2
401430235	2011	3	29	12	V	2.2	1	3.8	5
401430235	2011	3	29	13	V	2.4	1	3.18	2
401430235	2011	3	29	14	V	2.4	1	3.61	5
401430235	2011	3	29	15	V	1.8	1	3.52	359
401430235	2011	3	29	16	V	2.1	1	3.29	3
401430235	2011	3	29	17	V	3.7	1	3.73	4
401430235	2011	3	29	18	V	3.7	1	3.34	356
401430235	2011	3	29	19	V	2.1	1	3.07	350
401430235	2011	3	29	20	V	3.0	1	3.12	4
401430235	2011	3	29	21	V	2.9	1	3.85	356
401430235	2011	3	29	22	V	1.5	1	4.27	359
401430235	2011	3	29	23	V	1.2	1	4.54	3
401430235	2011	3	29	24	V	1.6	1	3.74	9
401430235	2011	3	30	1	V	1.4	1	4.37	12
401430235	2011	3	30	2	V	1.0	1	4.32	18
401430235	2011	3	30	3	V	0.5	1	3.44	15
401430235	2011	3	30	4	V	0.6	1	4.34	13
401430235	2011	3	30	5	V	1.5	1	4.36	5
401430235	2011	3	30	6	V	0.6	1	3.8	5
401430235	2011	3	30	7	V	1.2	1	2.57	1
401430235	2011	3	30	8	V	3.9	1	3.98	12
401430235	2011	3	30	9	V	1.3	1	3.86	11
401430235	2011	3	30	10	V	2.5	1	3.54	18
401430235	2011	3	30	11	V	2.0	-999	3.64	14
401430235	2011	3	30	12	V	2.4	-999	3.3	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	3	30	13	V	2.4	1	3.68	24
401430235	2011	3	30	14	V	2.4	1	3.73	18
401430235	2011	3	30	15	V	1.8	1	3.78	24
401430235	2011	3	30	16	V	2.8	1	2.55	33
401430235	2011	3	30	17	V	3.8	1	2.4	58
401430235	2011	3	30	18	V	3.7	1	2.78	56
401430235	2011	3	30	19	V	1.6	1	2.88	70
401430235	2011	3	30	20	V	3.0	1	2.04	55
401430235	2011	3	30	21	V	2.9	1	2.03	33
401430235	2011	3	30	22	V	1.8	1	1.14	272
401430235	2011	3	30	23	V	1.3	2	1.18	260
401430235	2011	3	30	24	V	13.5	1	0.58	297
401430235	2011	3	31	1	V	3.5	1	0.63	178
401430235	2011	3	31	2	V	3.2	1	0.58	252
401430235	2011	3	31	3	V	12.7	2	0.67	298
401430235	2011	3	31	4	V	3.1	2	0.55	264
401430235	2011	3	31	5	V	15.2	3	0.52	298
401430235	2011	3	31	6	V	0.7	3	1.35	229
401430235	2011	3	31	7	V	2.0	2	0.99	192
401430235	2011	3	31	8	V	4.7	2	1.59	159
401430235	2011	3	31	9	V	2.1	1	1.82	198
401430235	2011	3	31	10	V	2.8	1	2.95	181
401430235	2011	3	31	11	V	2.1	1	4.1	182
401430235	2011	3	31	12	V	2.5	1	4.36	189
401430235	2011	3	31	13	V	2.5	1	4.02	212
401430235	2011	3	31	14	V	2.5	2	3	233
401430235	2011	3	31	15	V	6.3	5	2.23	334
401430235	2011	3	31	16	V	2.2	2	2.95	13
401430235	2011	3	31	17	V	3.8	1	3.13	21
401430235	2011	3	31	18	V	4.1	1	2.73	51
401430235	2011	3	31	19	V	1.5	1	2.61	93
401430235	2011	3	31	20	V	2.9	1	2.81	84
401430235	2011	3	31	21	V	2.8	1	2.25	120
401430235	2011	3	31	22	V	1.5	1	1.62	104
401430235	2011	3	31	23	V	1.3	1	1.47	128
401430235	2011	3	31	24	V	1.7	1	1.55	177
401430235	2011	4	1	1	V	1.4	1	1.96	138
401430235	2011	4	1	2	V	1.3	1	1.43	182
401430235	2011	4	1	3	V	0.6	1	1.65	53
401430235	2011	4	1	4	V	0.9	1	1.23	136
401430235	2011	4	1	5	V	2.8	1	0.67	223
401430235	2011	4	1	6	V	2.5	1	0.67	201
401430235	2011	4	1	7	V	1.6	2	0.96	20
401430235	2011	4	1	8	V	5.4	2	1.28	36
401430235	2011	4	1	9	V	2.5	2	1.28	77
401430235	2011	4	1	10	V	3.5	2	1.67	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	1	11	V	2.4	2	1.96	136
401430235	2011	4	1	12	V	2.5	1	2.06	93
401430235	2011	4	1	13	V	2.9	2	1.55	109
401430235	2011	4	1	14	V	2.7	6	2.3	58
401430235	2011	4	1	15	V	1.9	9	2.38	76
401430235	2011	4	1	16	V	2.5	3	4.34	34
401430235	2011	4	1	17	V	4.2	2	2.79	34
401430235	2011	4	1	18	V	3.9	2	3.71	32
401430235	2011	4	1	19	V	1.6	2	3.73	29
401430235	2011	4	1	20	V	3.0	2	1.86	22
401430235	2011	4	1	21	V	3.7	1	0.67	13
401430235	2011	4	1	22	V	32.1	1	0.58	309
401430235	2011	4	1	23	V	2.8	1	0.79	352
401430235	2011	4	1	24	V	3.5	1	0.91	348
401430235	2011	4	2	1	V	2.5	2	0.72	243
401430235	2011	4	2	2	V	6.2	2	0.62	290
401430235	2011	4	2	3	C	-999	1	0	0
401430235	2011	4	2	4	C	-999	2	0	0
401430235	2011	4	2	5	V	3.1	2	0.65	249
401430235	2011	4	2	6	C	-999	2	0	0
401430235	2011	4	2	7	C	-999	3	0	0
401430235	2011	4	2	8	C	-999	2	0	0
401430235	2011	4	2	9	V	1.6	1	2.13	144
401430235	2011	4	2	10	V	2.5	3	4.92	169
401430235	2011	4	2	11	V	2.0	2	4.97	173
401430235	2011	4	2	12	V	2.3	1	5.1	174
401430235	2011	4	2	13	V	2.4	1	5.43	163
401430235	2011	4	2	14	V	2.4	1	5.9	162
401430235	2011	4	2	15	V	1.7	1	5.94	164
401430235	2011	4	2	16	V	2.0	1	6.28	158
401430235	2011	4	2	17	V	3.7	2	6.48	164
401430235	2011	4	2	18	V	3.7	2	5.92	164
401430235	2011	4	2	19	V	1.6	2	4.46	162
401430235	2011	4	2	20	V	3.0	1	4	169
401430235	2011	4	2	21	V	2.7	1	2.74	175
401430235	2011	4	2	22	V	1.5	1	3.51	174
401430235	2011	4	2	23	V	1.1	1	4.37	169
401430235	2011	4	2	24	V	1.5	1	4.76	164
401430235	2011	4	3	1	V	1.4	2	4.77	164
401430235	2011	4	3	2	V	1.0	2	4.63	166
401430235	2011	4	3	3	V	0.6	1	6.8	181
401430235	2011	4	3	4	V	0.8	2	8.4	188
401430235	2011	4	3	5	V	1.7	1	7.77	187
401430235	2011	4	3	6	V	0.7	1	6.28	186
401430235	2011	4	3	7	V	1.2	1	6.46	187
401430235	2011	4	3	8	V	4.2	2	7.67	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	3	9	V	1.5	2	8.96	194
401430235	2011	4	3	10	V	2.6	2	10.36	192
401430235	2011	4	3	11	V	2.1	2	9.95	193
401430235	2011	4	3	12	V	2.4	2	10.14	194
401430235	2011	4	3	13	V	2.5	2	10.75	195
401430235	2011	4	3	14	V	2.5	2	9.61	195
401430235	2011	4	3	15	V	1.9	2	9.85	194
401430235	2011	4	3	16	V	2.2	2	9.75	189
401430235	2011	4	3	17	V	3.9	2	10.65	187
401430235	2011	4	3	18	V	4.0	2	10.21	188
401430235	2011	4	3	19	V	1.7	2	8.79	180
401430235	2011	4	3	20	V	3.1	2	9.88	180
401430235	2011	4	3	21	V	2.9	2	9.37	181
401430235	2011	4	3	22	V	1.6	1	9.63	180
401430235	2011	4	3	23	V	1.4	2	9.7	185
401430235	2011	4	3	24	V	1.7	2	7.26	226
401430235	2011	4	4	1	V	3.8	1	7.33	345
401430235	2011	4	4	2	V	1.0	1	6.69	1
401430235	2011	4	4	3	V	0.7	1	6.11	355
401430235	2011	4	4	4	V	1.1	1	5.99	351
401430235	2011	4	4	5	V	3.7	1	6.28	345
401430235	2011	4	4	6	V	4.9	2	6.31	342
401430235	2011	4	4	7	V	6.1	1	5.17	341
401430235	2011	4	4	8	V	6.5	3	6.52	338
401430235	2011	4	4	9	V	4.6	12	6.77	336
401430235	2011	4	4	10	V	5.8	14	6.94	336
401430235	2011	4	4	11	V	2.8	4	7.42	343
401430235	2011	4	4	12	V	4.0	-999	6.94	340
401430235	2011	4	4	13	V	9.2	7	5.97	326
401430235	2011	4	4	14	V	5.7	5	6.13	336
401430235	2011	4	4	15	V	6.6	10	5.82	332
401430235	2011	4	4	16	V	7.7	8	5.78	329
401430235	2011	4	4	17	V	7.4	11	5.7	336
401430235	2011	4	4	18	V	13.7	22	5.09	320
401430235	2011	4	4	19	V	15.1	29	4.22	331
401430235	2011	4	4	20	V	26.7	32	2.04	324
401430235	2011	4	4	21	V	43.7	12	1.59	314
401430235	2011	4	4	22	V	2.1	15	1.2	288
401430235	2011	4	4	23	V	4.0	4	0.52	253
401430235	2011	4	4	24	V	2.6	2	0.82	208
401430235	2011	4	5	1	V	3.1	1	0.65	269
401430235	2011	4	5	2	V	1.5	2	1.06	206
401430235	2011	4	5	3	V	1.8	2	0.77	205
401430235	2011	4	5	4	V	1.8	1	0.89	194
401430235	2011	4	5	5	V	2.7	1	0.86	182
401430235	2011	4	5	6	V	1.2	1	1.04	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	5	7	V	1.6	2	1.04	211
401430235	2011	4	5	8	V	4.7	2	1.4	193
401430235	2011	4	5	9	V	1.4	2	4.08	207
401430235	2011	4	5	10	V	2.5	1	5.89	207
401430235	2011	4	5	11	V	2.0	1	6.11	213
401430235	2011	4	5	12	V	2.3	1	5.95	213
401430235	2011	4	5	13	V	2.4	1	6.19	215
401430235	2011	4	5	14	V	2.4	1	6.65	211
401430235	2011	4	5	15	V	1.7	1	6.84	222
401430235	2011	4	5	16	V	2.1	1	6.84	214
401430235	2011	4	5	17	V	3.7	1	6.84	209
401430235	2011	4	5	18	V	3.8	1	6.46	200
401430235	2011	4	5	19	V	1.6	2	5.17	188
401430235	2011	4	5	20	V	3.0	2	5.51	181
401430235	2011	4	5	21	V	2.8	2	5.1	182
401430235	2011	4	5	22	V	1.5	3	5.31	185
401430235	2011	4	5	23	V	1.2	3	5.27	183
401430235	2011	4	5	24	V	1.5	2	4.93	176
401430235	2011	4	6	1	V	1.4	3	4.37	178
401430235	2011	4	6	2	V	1.0	3	4.75	184
401430235	2011	4	6	3	V	0.5	3	5.17	184
401430235	2011	4	6	4	V	0.6	6	5.8	180
401430235	2011	4	6	5	V	1.5	8	6.36	181
401430235	2011	4	6	6	V	0.6	8	6.18	179
401430235	2011	4	6	7	V	1.2	4	6.36	178
401430235	2011	4	6	8	V	4.1	6	7.35	181
401430235	2011	4	6	9	V	1.5	6	9.37	189
401430235	2011	4	6	10	V	2.6	4	10.34	193
401430235	2011	4	6	11	V	2.1	2	9.24	193
401430235	2011	4	6	12	V	2.4	2	8.62	186
401430235	2011	4	6	13	V	2.6	2	7.57	188
401430235	2011	4	6	14	V	2.6	2	7.09	189
401430235	2011	4	6	15	V	1.8	2	5.33	203
401430235	2011	4	6	16	V	2.3	2	5.48	187
401430235	2011	4	6	17	V	3.7	2	5.58	173
401430235	2011	4	6	18	V	3.7	2	4.85	164
401430235	2011	4	6	19	V	1.6	2	3.69	171
401430235	2011	4	6	20	V	3.0	2	2.93	162
401430235	2011	4	6	21	V	2.8	2	2.91	164
401430235	2011	4	6	22	V	1.9	1	1.42	183
401430235	2011	4	6	23	V	2.5	1	0.75	166
401430235	2011	4	6	24	V	1.5	1	2.56	155
401430235	2011	4	7	1	V	2.1	1	1.04	197
401430235	2011	4	7	2	C	-999	1	0	0
401430235	2011	4	7	3	V	1.2	1	0.87	112
401430235	2011	4	7	4	V	0.6	1	2.3	141

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	7	5	V	1.5	1	3.56	152
401430235	2011	4	7	6	V	0.6	1	3.74	157
401430235	2011	4	7	7	V	1.2	1	3.34	150
401430235	2011	4	7	8	V	4.0	1	4.19	163
401430235	2011	4	7	9	V	1.3	1	5.41	168
401430235	2011	4	7	10	V	2.5	2	5.94	173
401430235	2011	4	7	11	V	1.9	2	5.56	164
401430235	2011	4	7	12	V	2.3	1	5.87	175
401430235	2011	4	7	13	V	2.4	2	5.68	172
401430235	2011	4	7	14	V	2.4	2	6.01	164
401430235	2011	4	7	15	V	1.7	1	5.9	155
401430235	2011	4	7	16	V	2.0	1	6.5	152
401430235	2011	4	7	17	V	3.6	1	6.8	150
401430235	2011	4	7	18	V	3.7	1	6.57	143
401430235	2011	4	7	19	V	1.6	1	6.4	158
401430235	2011	4	7	20	V	3.0	1	5.72	163
401430235	2011	4	7	21	V	2.8	1	5.82	167
401430235	2011	4	7	22	V	1.5	1	4.75	169
401430235	2011	4	7	23	V	1.1	1	3.63	171
401430235	2011	4	7	24	V	1.5	1	3.88	180
401430235	2011	4	8	1	V	1.4	1	3.51	179
401430235	2011	4	8	2	V	1.0	1	4	190
401430235	2011	4	8	3	V	0.5	1	3.9	196
401430235	2011	4	8	4	V	0.7	1	1.93	179
401430235	2011	4	8	5	V	1.5	1	1.86	177
401430235	2011	4	8	6	V	0.6	1	3.18	180
401430235	2011	4	8	7	V	1.2	1	4.2	188
401430235	2011	4	8	8	V	4.3	1	3.69	187
401430235	2011	4	8	9	V	1.5	1	5.41	185
401430235	2011	4	8	10	V	2.7	1	5.65	185
401430235	2011	4	8	11	V	2.1	1	5.36	178
401430235	2011	4	8	12	V	2.3	1	4.34	168
401430235	2011	4	8	13	V	2.4	1	4.85	145
401430235	2011	4	8	14	V	2.4	1	5.38	144
401430235	2011	4	8	15	V	1.7	1	6.7	163
401430235	2011	4	8	16	V	2.0	1	7.01	157
401430235	2011	4	8	17	V	3.7	1	7.52	168
401430235	2011	4	8	18	V	3.7	1	7.35	169
401430235	2011	4	8	19	V	1.6	1	4.7	159
401430235	2011	4	8	20	V	3.0	1	2.44	140
401430235	2011	4	8	21	V	2.8	1	2.22	138
401430235	2011	4	8	22	V	1.4	1	2.66	144
401430235	2011	4	8	23	V	1.1	1	2.81	136
401430235	2011	4	8	24	V	1.5	1	2.69	148
401430235	2011	4	9	1	V	1.4	1	3.68	168
401430235	2011	4	9	2	V	0.9	1	2.79	141

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	9	3	V	0.5	1	2.15	134
401430235	2011	4	9	4	V	0.8	1	1.54	167
401430235	2011	4	9	5	V	1.5	1	3.13	174
401430235	2011	4	9	6	V	0.6	1	3.71	169
401430235	2011	4	9	7	V	1.2	1	4.15	177
401430235	2011	4	9	8	V	4.1	1	5.34	177
401430235	2011	4	9	9	V	1.5	2	6.19	181
401430235	2011	4	9	10	V	2.7	2	8.28	188
401430235	2011	4	9	11	V	2.2	3	8.66	187
401430235	2011	4	9	12	V	2.4	2	8.33	181
401430235	2011	4	9	13	V	2.4	2	7.89	171
401430235	2011	4	9	14	V	2.4	2	8.35	165
401430235	2011	4	9	15	V	1.7	2	8.9	169
401430235	2011	4	9	16	V	2.0	1	9.36	172
401430235	2011	4	9	17	V	3.7	2	9.36	170
401430235	2011	4	9	18	V	3.7	2	8.3	170
401430235	2011	4	9	19	V	1.6	2	7.18	166
401430235	2011	4	9	20	V	3.0	1	7.47	170
401430235	2011	4	9	21	V	2.8	2	5.99	169
401430235	2011	4	9	22	V	1.5	2	3.8	178
401430235	2011	4	9	23	V	1.1	2	3.98	163
401430235	2011	4	9	24	V	1.5	2	5.22	167
401430235	2011	4	10	1	V	1.4	2	6.45	174
401430235	2011	4	10	2	V	1.1	1	7.09	182
401430235	2011	4	10	3	V	0.6	1	7.33	184
401430235	2011	4	10	4	V	0.8	1	7.66	184
401430235	2011	4	10	5	V	1.6	1	6.45	197
401430235	2011	4	10	6	V	0.6	1	5.34	194
401430235	2011	4	10	7	V	1.2	1	5.27	180
401430235	2011	4	10	8	V	4.0	1	6.86	177
401430235	2011	4	10	9	V	1.5	1	8.66	188
401430235	2011	4	10	10	V	2.6	2	8.83	197
401430235	2011	4	10	11	V	2.0	2	8.42	203
401430235	2011	4	10	12	V	2.2	1	7.6	208
401430235	2011	4	10	13	V	2.4	1	6.5	210
401430235	2011	4	10	14	V	2.4	2	5.14	233
401430235	2011	4	10	15	V	1.8	1	3.9	248
401430235	2011	4	10	16	V	2.1	4	3.37	258
401430235	2011	4	10	17	V	3.9	1	2.52	274
401430235	2011	4	10	18	V	3.9	1	1.93	253
401430235	2011	4	10	19	V	1.7	1	1.45	239
401430235	2011	4	10	20	V	3.4	1	1.08	59
401430235	2011	4	10	21	V	2.9	2	1.47	256
401430235	2011	4	10	22	V	1.9	1	1.28	287
401430235	2011	4	10	23	V	1.8	1	1.01	219
401430235	2011	4	10	24	V	9.4	4	3.59	303

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	11	1	V	1.4	1	4.73	1
401430235	2011	4	11	2	V	1.3	1	0.94	238
401430235	2011	4	11	3	V	0.5	1	3.36	10
401430235	2011	4	11	4	V	0.6	1	2.86	356
401430235	2011	4	11	5	M	-999	1	3.36	999
401430235	2011	4	11	6	V	3.9	1	0.53	279
401430235	2011	4	11	7	V	10.6	4	3.73	336
401430235	2011	4	11	8	V	10.8	11	4.17	332
401430235	2011	4	11	9	V	3.9	15	5.17	339
401430235	2011	4	11	10	V	6.1	14	5.1	336
401430235	2011	4	11	11	V	8.6	7	4.73	326
401430235	2011	4	11	12	V	9.0	8	5.48	324
401430235	2011	4	11	13	V	7.2	6	5.19	332
401430235	2011	4	11	14	V	6.3	8	6.31	334
401430235	2011	4	11	15	V	6.9	6	5.7	331
401430235	2011	4	11	16	V	10.9	4	5.43	320
401430235	2011	4	11	17	V	12.3	26	4.78	326
401430235	2011	4	11	18	V	13.5	32	4.37	325
401430235	2011	4	11	19	V	28.2	29	2.88	321
401430235	2011	4	11	20	V	16.4	28	1.42	304
401430235	2011	4	11	21	V	7.5	10	1.14	298
401430235	2011	4	11	22	V	18.5	6	1.14	304
401430235	2011	4	11	23	V	2.2	6	0.75	265
401430235	2011	4	11	24	V	2.4	3	0.79	224
401430235	2011	4	12	1	C	-999	2	0	0
401430235	2011	4	12	2	V	3.1	2	0.58	224
401430235	2011	4	12	3	C	-999	2	0	0
401430235	2011	4	12	4	C	-999	2	0	0
401430235	2011	4	12	5	C	-999	2	0	0
401430235	2011	4	12	6	C	-999	2	0	0
401430235	2011	4	12	7	V	3.7	2	0.55	217
401430235	2011	4	12	8	V	6.3	5	0.86	208
401430235	2011	4	12	9	V	4.7	19	0.87	165
401430235	2011	4	12	10	V	3.7	9	1.52	163
401430235	2011	4	12	11	M	-999	3	1.26	141
401430235	2011	4	12	12	M	-999	2	2.3	87
401430235	2011	4	12	13	M	-999	2	2.55	146
401430235	2011	4	12	14	M	-999	2	2.42	174
401430235	2011	4	12	15	M	-999	2	3.08	165
401430235	2011	4	12	16	M	-999	2	2.95	153
401430235	2011	4	12	17	M	-999	1	3.59	159
401430235	2011	4	12	18	M	-999	2	4.27	103
401430235	2011	4	12	19	V	1.6	2	3.46	153
401430235	2011	4	12	20	V	3.0	2	1.65	133
401430235	2011	4	12	21	C	-999	2	0	0
401430235	2011	4	12	22	V	2.5	2	0.77	222

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	12	23	V	1.5	2	1.45	182
401430235	2011	4	12	24	V	1.6	2	1.77	163
401430235	2011	4	13	1	V	2.2	2	0.87	124
401430235	2011	4	13	2	V	1.8	2	1.09	191
401430235	2011	4	13	3	C	-999	1	0	0
401430235	2011	4	13	4	V	3.7	0	0.52	281
401430235	2011	4	13	5	V	4.4	1	0.52	238
401430235	2011	4	13	6	V	3.2	1	0.57	197
401430235	2011	4	13	7	V	3.5	2	0.55	232
401430235	2011	4	13	8	V	4.6	2	1.67	174
401430235	2011	4	13	9	V	1.4	3	3.74	167
401430235	2011	4	13	10	V	2.5	3	5.07	174
401430235	2011	4	13	11	M	-999	2	999	999
401430235	2011	4	13	12	M	-999	2	999	999
401430235	2011	4	13	13	V	2.5	2	5.94	176
401430235	2011	4	13	14	V	2.6	2	6.43	184
401430235	2011	4	13	15	V	1.8	2	6.23	167
401430235	2011	4	13	16	V	2.0	2	6.07	165
401430235	2011	4	13	17	V	3.7	1	6.58	170
401430235	2011	4	13	18	V	3.7	2	6.28	166
401430235	2011	4	13	19	V	1.6	2	4.92	167
401430235	2011	4	13	20	V	3.0	2	3.34	166
401430235	2011	4	13	21	V	2.8	2	2.38	173
401430235	2011	4	13	22	V	2.1	2	1.08	199
401430235	2011	4	13	23	C	-999	2	0	0
401430235	2011	4	13	24	V	2.8	1	0.69	252
401430235	2011	4	14	1	V	2.2	1	0.84	210
401430235	2011	4	14	2	V	1.6	1	0.86	230
401430235	2011	4	14	3	V	1.6	1	0.75	223
401430235	2011	4	14	4	V	0.8	1	1.37	156
401430235	2011	4	14	5	V	1.6	2	1.55	157
401430235	2011	4	14	6	V	0.6	2	3.29	141
401430235	2011	4	14	7	V	1.1	1	3.73	139
401430235	2011	4	14	8	V	4.0	2	5.43	148
401430235	2011	4	14	9	V	1.3	2	6.77	158
401430235	2011	4	14	10	V	2.4	2	7.79	161
401430235	2011	4	14	11	V	1.9	1	8.42	171
401430235	2011	4	14	12	V	2.2	1	9.05	163
401430235	2011	4	14	13	V	2.3	1	9.46	160
401430235	2011	4	14	14	V	2.3	1	9.19	159
401430235	2011	4	14	15	V	1.7	1	9.25	162
401430235	2011	4	14	16	V	2.0	1	7.84	157
401430235	2011	4	14	17	V	3.6	1	7.71	160
401430235	2011	4	14	18	V	3.8	1	3.75	209
401430235	2011	4	14	19	V	1.6	1	5.41	165
401430235	2011	4	14	20	V	3.1	1	1.37	276

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	14	21	V	2.8	1	3.24	207
401430235	2011	4	14	22	V	1.5	1	1.84	244
401430235	2011	4	14	23	V	1.2	2	2.06	280
401430235	2011	4	14	24	V	1.6	2	3.34	277
401430235	2011	4	15	1	V	1.4	2	2.78	274
401430235	2011	4	15	2	V	0.9	1	2.59	256
401430235	2011	4	15	3	V	0.5	1	3.92	249
401430235	2011	4	15	4	V	0.7	1	3.76	230
401430235	2011	4	15	5	V	1.7	1	4.56	225
401430235	2011	4	15	6	V	0.6	1	4.88	246
401430235	2011	4	15	7	V	1.2	1	4.75	253
401430235	2011	4	15	8	V	3.9	0	4.61	251
401430235	2011	4	15	9	V	1.3	1	4.83	247
401430235	2011	4	15	10	V	2.4	1	5.27	252
401430235	2011	4	15	11	V	1.9	1	6.18	258
401430235	2011	4	15	12	V	2.2	1	6.11	255
401430235	2011	4	15	13	V	2.3	1	6.09	253
401430235	2011	4	15	14	V	2.3	1	5.62	253
401430235	2011	4	15	15	V	1.7	1	4.75	262
401430235	2011	4	15	16	V	2.0	1	4.53	265
401430235	2011	4	15	17	V	3.7	1	4.53	287
401430235	2011	4	15	18	V	4.0	1	4.36	293
401430235	2011	4	15	19	V	4.5	5	5.8	296
401430235	2011	4	15	20	V	18.4	10	5.73	305
401430235	2011	4	15	21	V	24.0	23	5.16	310
401430235	2011	4	15	22	V	25.7	27	5.7	311
401430235	2011	4	15	23	V	25.6	23	5.82	311
401430235	2011	4	15	24	V	25.5	24	4.83	318
401430235	2011	4	16	1	V	17.5	23	3.68	328
401430235	2011	4	16	2	V	21.5	16	3.68	321
401430235	2011	4	16	3	V	20.7	24	4.2	312
401430235	2011	4	16	4	V	23.5	27	3.44	316
401430235	2011	4	16	5	V	28.2	16	2.91	317
401430235	2011	4	16	6	V	14.8	15	3.66	331
401430235	2011	4	16	7	V	12.9	28	3.61	334
401430235	2011	4	16	8	V	9.5	24	4.83	330
401430235	2011	4	16	9	V	11.9	13	3.25	312
401430235	2011	4	16	10	V	2.6	12	3.18	282
401430235	2011	4	16	11	V	4.8	4	3.35	298
401430235	2011	4	16	12	V	5.2	1	3.23	298
401430235	2011	4	16	13	V	8.6	6	3.1	307
401430235	2011	4	16	14	V	6.6	1	2.3	300
401430235	2011	4	16	15	V	9.6	3	2.62	321
401430235	2011	4	16	16	V	9.0	2	1.76	313
401430235	2011	4	16	17	V	4.2	2	1.64	180
401430235	2011	4	16	18	V	3.9	3	1.94	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	16	19	V	1.6	1	1.98	167
401430235	2011	4	16	20	V	4.3	2	0.7	216
401430235	2011	4	16	21	V	5.1	3	0.58	241
401430235	2011	4	16	22	V	1.9	2	1.2	173
401430235	2011	4	16	23	C	-999	2	0	0
401430235	2011	4	16	24	V	4.1	2	0.6	189
401430235	2011	4	17	1	V	2.1	2	0.92	213
401430235	2011	4	17	2	V	1.0	1	1.82	206
401430235	2011	4	17	3	V	0.5	2	2.59	192
401430235	2011	4	17	4	V	0.6	1	2.84	193
401430235	2011	4	17	5	V	1.7	1	1.6	181
401430235	2011	4	17	6	V	0.8	1	1.5	176
401430235	2011	4	17	7	V	1.2	1	2.08	199
401430235	2011	4	17	8	V	4.3	2	3.03	189
401430235	2011	4	17	9	V	1.5	3	6.33	186
401430235	2011	4	17	10	V	2.6	4	6.8	186
401430235	2011	4	17	11	V	2.2	4	9.03	188
401430235	2011	4	17	12	V	2.4	3	9.34	185
401430235	2011	4	17	13	V	2.6	4	9.1	192
401430235	2011	4	17	14	V	2.6	3	10.31	189
401430235	2011	4	17	15	V	1.9	3	9.41	184
401430235	2011	4	17	16	V	2.2	2	9.42	190
401430235	2011	4	17	17	V	3.9	3	8.59	190
401430235	2011	4	17	18	V	3.9	3	6.97	194
401430235	2011	4	17	19	V	1.8	3	7.43	188
401430235	2011	4	17	20	V	3.0	2	4.99	175
401430235	2011	4	17	21	V	2.8	2	3.61	166
401430235	2011	4	17	22	V	1.5	2	2.89	173
401430235	2011	4	17	23	V	1.1	2	2.74	177
401430235	2011	4	17	24	V	1.5	2	2.1	155
401430235	2011	4	18	1	V	1.4	2	2.13	154
401430235	2011	4	18	2	V	1.0	2	2.37	161
401430235	2011	4	18	3	V	0.5	2	2.88	157
401430235	2011	4	18	4	V	0.6	2	2.76	161
401430235	2011	4	18	5	V	1.5	2	4.73	166
401430235	2011	4	18	6	V	0.6	2	3.88	163
401430235	2011	4	18	7	V	1.2	2	4.14	157
401430235	2011	4	18	8	V	4.0	1	5.41	162
401430235	2011	4	18	9	V	1.3	2	5.24	164
401430235	2011	4	18	10	V	2.4	2	6.13	166
401430235	2011	4	18	11	V	1.9	1	7.03	166
401430235	2011	4	18	12	V	2.2	1	6.91	165
401430235	2011	4	18	13	V	2.4	1	6.8	167
401430235	2011	4	18	14	V	2.4	2	6.48	165
401430235	2011	4	18	15	V	1.7	2	5.72	146
401430235	2011	4	18	16	V	2.0	2	6.11	150

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	18	17	V	3.6	1	6.01	135
401430235	2011	4	18	18	V	3.7	1	5.46	127
401430235	2011	4	18	19	V	1.6	2	4.42	128
401430235	2011	4	18	20	V	3.0	1	4.02	145
401430235	2011	4	18	21	V	2.8	1	3.81	148
401430235	2011	4	18	22	V	1.5	1	3.17	146
401430235	2011	4	18	23	V	1.1	1	3.03	145
401430235	2011	4	18	24	V	1.5	1	3.3	147
401430235	2011	4	19	1	V	1.4	1	4.92	168
401430235	2011	4	19	2	V	1.1	1	8.25	184
401430235	2011	4	19	3	V	0.7	1	7.65	184
401430235	2011	4	19	4	V	0.8	1	7.49	185
401430235	2011	4	19	5	V	1.6	1	7.18	183
401430235	2011	4	19	6	V	0.8	1	8.45	184
401430235	2011	4	19	7	V	1.4	1	8.44	187
401430235	2011	4	19	8	V	4.2	1	9.17	193
401430235	2011	4	19	9	V	1.4	1	8.9	199
401430235	2011	4	19	10	V	2.4	1	7.99	211
401430235	2011	4	19	11	V	1.9	2	5.55	271
401430235	2011	4	19	12	V	2.3	2	4.66	281
401430235	2011	4	19	13	V	3.5	2	4.34	294
401430235	2011	4	19	14	V	3.5	3	3.63	292
401430235	2011	4	19	15	V	5.7	6	3.49	302
401430235	2011	4	19	16	V	8.8	12	3.83	309
401430235	2011	4	19	17	V	11.0	9	3.8	328
401430235	2011	4	19	18	V	10.0	4	2.9	334
401430235	2011	4	19	19	V	4.4	4	2.67	342
401430235	2011	4	19	20	V	3.1	2	3.2	351
401430235	2011	4	19	21	V	2.8	1	3.32	356
401430235	2011	4	19	22	V	1.5	1	4.15	13
401430235	2011	4	19	23	V	1.1	1	4.53	10
401430235	2011	4	19	24	V	1.5	1	4.37	13
401430235	2011	4	20	1	V	1.4	1	3.03	13
401430235	2011	4	20	2	V	0.9	1	2.64	17
401430235	2011	4	20	3	V	0.5	1	4.12	10
401430235	2011	4	20	4	V	0.6	1	4.88	13
401430235	2011	4	20	5	V	1.5	1	4.9	14
401430235	2011	4	20	6	V	0.6	1	5.21	16
401430235	2011	4	20	7	V	1.2	1	4.92	22
401430235	2011	4	20	8	V	4.0	1	5.44	29
401430235	2011	4	20	9	V	1.3	2	5.85	16
401430235	2011	4	20	10	V	2.4	1	6.99	21
401430235	2011	4	20	11	V	1.9	1	6.33	19
401430235	2011	4	20	12	V	2.2	1	6.6	26
401430235	2011	4	20	13	V	2.4	1	6.84	28
401430235	2011	4	20	14	V	2.7	1	7.42	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	20	15	V	2.8	1	6.96	36
401430235	2011	4	20	16	V	2.7	1	6.31	34
401430235	2011	4	20	17	V	3.6	2	7.25	27
401430235	2011	4	20	18	V	3.7	2	6.67	28
401430235	2011	4	20	19	V	2.0	4	6.13	32
401430235	2011	4	20	20	V	3.1	3	5.96	29
401430235	2011	4	20	21	V	5.0	2	5.46	38
401430235	2011	4	20	22	V	3.0	1	5.07	36
401430235	2011	4	20	23	V	3.7	1	5.84	42
401430235	2011	4	20	24	V	1.5	1	4.88	58
401430235	2011	4	21	1	V	1.4	1	4.2	63
401430235	2011	4	21	2	V	1.0	1	3.44	85
401430235	2011	4	21	3	V	1.1	1	5.5	48
401430235	2011	4	21	4	V	0.6	2	4.68	60
401430235	2011	4	21	5	V	1.5	2	3.92	89
401430235	2011	4	21	6	V	0.6	1	3.1	79
401430235	2011	4	21	7	V	1.2	1	3.12	59
401430235	2011	4	21	8	V	4.0	2	4.42	99
401430235	2011	4	21	9	V	1.3	1	5.51	120
401430235	2011	4	21	10	V	2.4	2	5.21	129
401430235	2011	4	21	11	V	1.9	2	4.82	132
401430235	2011	4	21	12	V	2.2	1	5.05	148
401430235	2011	4	21	13	V	2.3	1	6.26	146
401430235	2011	4	21	14	V	2.5	1	3.59	175
401430235	2011	4	21	15	V	1.9	1	2.88	170
401430235	2011	4	21	16	V	2.1	1	2.54	165
401430235	2011	4	21	17	V	3.7	1	2.86	147
401430235	2011	4	21	18	V	3.7	1	3.4	125
401430235	2011	4	21	19	V	1.6	1	3.1	111
401430235	2011	4	21	20	V	3.0	1	2.78	117
401430235	2011	4	21	21	V	2.8	1	2.67	136
401430235	2011	4	21	22	V	1.5	1	2.37	124
401430235	2011	4	21	23	V	1.2	1	3.22	141
401430235	2011	4	21	24	V	1.6	1	3.35	151
401430235	2011	4	22	1	V	1.4	1	4.48	162
401430235	2011	4	22	2	V	1.0	1	4.75	165
401430235	2011	4	22	3	V	0.5	1	4.2	163
401430235	2011	4	22	4	V	0.7	1	2.61	167
401430235	2011	4	22	5	V	1.5	1	3.15	160
401430235	2011	4	22	6	V	0.6	1	3.59	166
401430235	2011	4	22	7	V	1.2	1	5.68	180
401430235	2011	4	22	8	V	4.2	1	6.69	186
401430235	2011	4	22	9	V	1.5	1	8.71	194
401430235	2011	4	22	10	V	2.5	1	8.03	200
401430235	2011	4	22	11	V	2.0	1	8.52	205
401430235	2011	4	22	12	V	2.2	1	7.76	216

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	22	13	V	2.4	1	6.84	221
401430235	2011	4	22	14	V	2.4	1	7.13	210
401430235	2011	4	22	15	V	1.8	1	6.57	216
401430235	2011	4	22	16	V	2.0	7	3.74	252
401430235	2011	4	22	17	V	3.9	5	2.5	169
401430235	2011	4	22	18	V	4.1	2	1.43	164
401430235	2011	4	22	19	V	1.7	1	1.43	59
401430235	2011	4	22	20	V	3.2	1	1.3	350
401430235	2011	4	22	21	V	3.3	1	1.33	188
401430235	2011	4	22	22	V	1.6	1	1.45	358
401430235	2011	4	22	23	V	3.0	1	0.84	36
401430235	2011	4	22	24	V	2.6	1	0.86	284
401430235	2011	4	23	1	V	4.5	1	1.06	344
401430235	2011	4	23	2	V	1.0	1	2.91	359
401430235	2011	4	23	3	V	0.6	1	3.2	7
401430235	2011	4	23	4	V	0.7	1	3.17	18
401430235	2011	4	23	5	V	1.5	1	3.24	1
401430235	2011	4	23	6	V	0.6	1	6.92	21
401430235	2011	4	23	7	V	1.2	1	5.75	25
401430235	2011	4	23	8	V	6.8	1	5.22	40
401430235	2011	4	23	9	V	4.1	1	4.65	37
401430235	2011	4	23	10	V	2.4	1	5.17	54
401430235	2011	4	23	11	V	2.0	1	5.92	51
401430235	2011	4	23	12	V	4.8	1	6.06	42
401430235	2011	4	23	13	V	4.7	1	5.38	44
401430235	2011	4	23	14	V	3.4	1	4.77	34
401430235	2011	4	23	15	V	4.7	2	5.05	40
401430235	2011	4	23	16	V	3.2	4	4	34
401430235	2011	4	23	17	V	3.9	2	2.62	27
401430235	2011	4	23	18	V	3.7	1	3.3	24
401430235	2011	4	23	19	V	1.6	2	3.52	27
401430235	2011	4	23	20	V	3.0	1	3.08	20
401430235	2011	4	23	21	V	2.8	1	4.2	17
401430235	2011	4	23	22	V	1.9	1	3	351
401430235	2011	4	23	23	V	1.2	1	2.54	4
401430235	2011	4	23	24	V	1.5	1	2.22	7
401430235	2011	4	24	1	V	1.4	1	3.57	13
401430235	2011	4	24	2	V	1.0	1	4.53	13
401430235	2011	4	24	3	V	0.5	1	4.41	12
401430235	2011	4	24	4	V	3.4	1	3.95	43
401430235	2011	4	24	5	V	1.8	1	4.07	33
401430235	2011	4	24	6	V	0.6	1	4.24	26
401430235	2011	4	24	7	V	1.2	1	3.23	23
401430235	2011	4	24	8	V	4.0	1	3.86	59
401430235	2011	4	24	9	V	1.5	1	2.47	131
401430235	2011	4	24	10	V	2.7	1	1.71	254

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	24	11	V	8.1	1	1.67	340
401430235	2011	4	24	12	V	2.3	1	2.61	8
401430235	2011	4	24	13	V	4.7	1	4.1	35
401430235	2011	4	24	14	V	2.4	1	4.12	19
401430235	2011	4	24	15	V	1.8	1	3.17	5
401430235	2011	4	24	16	V	3.9	1	5.34	45
401430235	2011	4	24	17	V	3.7	1	3.2	357
401430235	2011	4	24	18	V	3.8	1	3.17	5
401430235	2011	4	24	19	V	1.7	1	2.83	358
401430235	2011	4	24	20	V	3.0	1	3.24	10
401430235	2011	4	24	21	V	2.8	1	2.57	5
401430235	2011	4	24	22	V	1.5	1	3.39	24
401430235	2011	4	24	23	V	1.2	1	3.1	358
401430235	2011	4	24	24	V	1.6	1	2.25	13
401430235	2011	4	25	1	V	1.4	1	2.66	30
401430235	2011	4	25	2	V	1.0	1	1.65	26
401430235	2011	4	25	3	V	0.9	1	1.08	9
401430235	2011	4	25	4	V	0.7	1	3.25	109
401430235	2011	4	25	5	V	1.5	1	3.46	132
401430235	2011	4	25	6	V	0.6	1	3.32	152
401430235	2011	4	25	7	V	1.4	1	1.57	170
401430235	2011	4	25	8	M	-999	1	1.42	56
401430235	2011	4	25	9	M	-999	1	2.18	89
401430235	2011	4	25	10	M	-999	1	1.67	41
401430235	2011	4	25	11	M	-999	1	3.34	30
401430235	2011	4	25	12	M	-999	1	2.79	45
401430235	2011	4	25	13	M	-999	1	3.08	16
401430235	2011	4	25	14	M	-999	1	3.59	14
401430235	2011	4	25	15	M	-999	1	2.16	32
401430235	2011	4	25	16	M	-999	1	1.38	16
401430235	2011	4	25	17	M	-999	1	2.08	199
401430235	2011	4	25	18	M	-999	1	2.57	250
401430235	2011	4	25	19	V	1.7	1	2.16	256
401430235	2011	4	25	20	V	3.0	1	2.16	250
401430235	2011	4	25	21	V	2.8	1	3.57	258
401430235	2011	4	25	22	V	1.5	1	4.05	278
401430235	2011	4	25	23	V	1.5	1	3.34	290
401430235	2011	4	25	24	V	13.7	1	3.07	304
401430235	2011	4	26	1	V	2.0	1	2.62	293
401430235	2011	4	26	2	V	25.7	1	2.27	309
401430235	2011	4	26	3	V	0.9	1	1.93	295
401430235	2011	4	26	4	V	32.3	1	2.38	315
401430235	2011	4	26	5	V	39.2	1	1.47	311
401430235	2011	4	26	6	V	1.0	1	1.04	260
401430235	2011	4	26	7	V	1.5	1	1.04	254
401430235	2011	4	26	8	V	19.6	2	1.38	307

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	26	9	V	14.3	1	2.1	322
401430235	2011	4	26	10	V	2.7	1	2.4	9
401430235	2011	4	26	11	V	3.5	1	1.16	126
401430235	2011	4	26	12	V	2.8	1	1.82	161
401430235	2011	4	26	13	V	2.7	1	2.03	107
401430235	2011	4	26	14	V	2.5	1	3.01	61
401430235	2011	4	26	15	V	4.3	1	4.41	41
401430235	2011	4	26	16	V	2.0	2	4.31	64
401430235	2011	4	26	17	V	3.7	2	3.59	1
401430235	2011	4	26	18	V	4.7	1	2.45	346
401430235	2011	4	26	19	V	1.7	1	2.95	12
401430235	2011	4	26	20	V	3.4	1	2.88	33
401430235	2011	4	26	21	V	5.1	1	2.91	37
401430235	2011	4	26	22	V	1.5	1	2.91	16
401430235	2011	4	26	23	V	1.4	1	3.86	34
401430235	2011	4	26	24	V	1.5	1	2.4	19
401430235	2011	4	27	1	V	1.4	1	2.03	14
401430235	2011	4	27	2	V	20.8	1	2.52	325
401430235	2011	4	27	3	V	0.5	1	4.75	6
401430235	2011	4	27	4	V	0.6	1	5.14	8
401430235	2011	4	27	5	V	1.5	1	3.17	14
401430235	2011	4	27	6	V	0.6	1	4.39	1
401430235	2011	4	27	7	V	1.2	1	5.21	359
401430235	2011	4	27	8	V	4.0	1	6.16	355
401430235	2011	4	27	9	V	1.7	1	5.96	347
401430235	2011	4	27	10	V	3.6	1	4.36	343
401430235	2011	4	27	11	V	3.4	1	4.29	343
401430235	2011	4	27	12	V	2.9	2	4.78	345
401430235	2011	4	27	13	V	6.1	3	5.77	336
401430235	2011	4	27	14	V	9.6	4	4.77	330
401430235	2011	4	27	15	V	9.5	4	4.58	328
401430235	2011	4	27	16	V	11.7	3	4.48	323
401430235	2011	4	27	17	V	12.6	4	4.05	327
401430235	2011	4	27	18	V	10.7	6	3.32	333
401430235	2011	4	27	19	V	1.7	2	2.21	286
401430235	2011	4	27	20	V	3.1	1	1.59	249
401430235	2011	4	27	21	V	3.0	1	1.23	235
401430235	2011	4	27	22	V	1.6	1	1.57	244
401430235	2011	4	27	23	V	1.2	1	1.55	247
401430235	2011	4	27	24	V	2.0	1	0.99	243
401430235	2011	4	28	1	V	1.6	1	1.21	250
401430235	2011	4	28	2	V	1.2	1	1.26	261
401430235	2011	4	28	3	V	2.8	1	0.63	195
401430235	2011	4	28	4	V	2.6	1	0.72	187
401430235	2011	4	28	5	V	1.7	1	1.2	254
401430235	2011	4	28	6	V	0.7	1	1.52	243

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	28	7	V	2.6	1	0.72	169
401430235	2011	4	28	8	V	4.2	2	2.42	230
401430235	2011	4	28	9	V	1.6	1	2.42	252
401430235	2011	4	28	10	V	2.7	1	3.01	284
401430235	2011	4	28	11	V	5.9	1	4.41	303
401430235	2011	4	28	12	V	4.3	1	3.64	296
401430235	2011	4	28	13	V	5.2	1	3.76	299
401430235	2011	4	28	14	V	3.0	2	3.46	286
401430235	2011	4	28	15	V	1.8	1	3.52	262
401430235	2011	4	28	16	V	2.1	1	4	276
401430235	2011	4	28	17	V	3.7	1	3.58	274
401430235	2011	4	28	18	V	3.8	2	3.03	274
401430235	2011	4	28	19	V	1.6	2	1.6	260
401430235	2011	4	28	20	V	3.7	1	0.72	264
401430235	2011	4	28	21	V	5.1	1	0.57	241
401430235	2011	4	28	22	V	3.5	1	0.65	280
401430235	2011	4	28	23	V	2.0	2	0.8	272
401430235	2011	4	28	24	C	-999	2	0	0
401430235	2011	4	29	1	V	39.3	1	0.62	314
401430235	2011	4	29	2	V	8.7	1	0.52	346
401430235	2011	4	29	3	C	-999	1	0	0
401430235	2011	4	29	4	V	2.4	1	0.62	140
401430235	2011	4	29	5	V	2.0	1	1.13	221
401430235	2011	4	29	6	V	1.1	1	1.33	185
401430235	2011	4	29	7	V	1.3	1	1.96	169
401430235	2011	4	29	8	V	4.2	1	3.35	184
401430235	2011	4	29	9	V	1.5	2	6.5	182
401430235	2011	4	29	10	V	2.5	2	8.54	177
401430235	2011	4	29	11	V	1.9	1	9.37	171
401430235	2011	4	29	12	V	2.2	1	9.92	173
401430235	2011	4	29	13	V	2.4	2	10.31	169
401430235	2011	4	29	14	V	2.3	2	10.27	167
401430235	2011	4	29	15	V	1.7	2	9.49	165
401430235	2011	4	29	16	V	2.0	2	9.73	166
401430235	2011	4	29	17	V	3.7	2	9.27	170
401430235	2011	4	29	18	V	3.8	2	9.08	174
401430235	2011	4	29	19	V	1.6	2	7.14	171
401430235	2011	4	29	20	V	3.0	2	6.3	163
401430235	2011	4	29	21	V	2.8	3	5.75	157
401430235	2011	4	29	22	V	1.5	2	6.18	160
401430235	2011	4	29	23	V	1.1	2	4.87	163
401430235	2011	4	29	24	V	1.5	2	5.94	165
401430235	2011	4	30	1	V	1.4	2	6.06	166
401430235	2011	4	30	2	V	1.0	2	7.2	174
401430235	2011	4	30	3	V	0.5	2	7.06	174
401430235	2011	4	30	4	V	0.7	2	7.4	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	4	30	5	V	1.6	1	7.35	183
401430235	2011	4	30	6	V	0.6	1	6.3	182
401430235	2011	4	30	7	V	1.3	1	5.77	187
401430235	2011	4	30	8	V	4.0	1	5.75	202
401430235	2011	4	30	9	V	1.3	1	3.88	235
401430235	2011	4	30	10	V	2.5	2	3.03	271
401430235	2011	4	30	11	V	3.1	2	3.4	292
401430235	2011	4	30	12	V	4.7	2	3.46	297
401430235	2011	4	30	13	V	10.2	2	3.61	319
401430235	2011	4	30	14	V	5.7	3	3.54	338
401430235	2011	4	30	15	V	2.5	2	3.27	352
401430235	2011	4	30	16	V	5.8	3	2.61	338
401430235	2011	4	30	17	V	9.3	2	2.69	333
401430235	2011	4	30	18	V	8.7	3	2.52	337
401430235	2011	4	30	19	V	3.3	2	1.98	343
401430235	2011	4	30	20	V	15.3	1	1.67	336
401430235	2011	4	30	21	V	13.3	1	1.54	337
401430235	2011	4	30	22	V	3.1	1	1.64	342
401430235	2011	4	30	23	V	1.2	1	1.65	350
401430235	2011	4	30	24	V	1.5	1	2.62	6
401430235	2011	5	1	1	V	1.4	1	2.47	12
401430235	2011	5	1	2	V	1.0	1	2.33	6
401430235	2011	5	1	3	V	0.5	1	2.54	5
401430235	2011	5	1	4	V	0.6	1	3.3	9
401430235	2011	5	1	5	V	1.5	1	4.53	15
401430235	2011	5	1	6	V	0.6	1	4.32	14
401430235	2011	5	1	7	V	1.6	1	3.01	353
401430235	2011	5	1	8	V	4.0	1	5.36	8
401430235	2011	5	1	9	V	1.3	1	6.02	17
401430235	2011	5	1	10	V	2.4	1	6.28	20
401430235	2011	5	1	11	V	1.9	1	5.85	13
401430235	2011	5	1	12	V	2.2	1	6.86	22
401430235	2011	5	1	13	V	2.3	1	6.43	20
401430235	2011	5	1	14	V	2.4	1	4.15	1
401430235	2011	5	1	15	V	1.7	1	5.44	7
401430235	2011	5	1	16	V	2.0	1	4.68	13
401430235	2011	5	1	17	V	3.7	1	4.58	22
401430235	2011	5	1	18	V	3.7	1	3.63	8
401430235	2011	5	1	19	V	1.6	1	3.2	6
401430235	2011	5	1	20	V	3.0	1	3.34	1
401430235	2011	5	1	21	V	2.9	1	3.35	354
401430235	2011	5	1	22	V	1.6	1	3.63	352
401430235	2011	5	1	23	V	1.1	1	3	360
401430235	2011	5	1	24	V	1.5	1	2.64	6
401430235	2011	5	2	1	V	1.4	1	2.44	5
401430235	2011	5	2	2	V	0.9	1	2.59	354

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	2	3	V	0.5	1	3.4	360
401430235	2011	5	2	4	V	0.6	1	3.12	4
401430235	2011	5	2	5	V	16.4	1	1.64	335
401430235	2011	5	2	6	V	0.6	1	2.11	7
401430235	2011	5	2	7	V	10.5	1	1.76	333
401430235	2011	5	2	8	V	4.3	1	2.4	8
401430235	2011	5	2	9	V	2.0	1	2.5	26
401430235	2011	5	2	10	V	3.7	1	3.34	32
401430235	2011	5	2	11	V	3.0	1	3.3	33
401430235	2011	5	2	12	V	2.3	1	4.83	59
401430235	2011	5	2	13	V	2.4	1	5.6	61
401430235	2011	5	2	14	V	2.4	1	4.58	69
401430235	2011	5	2	15	V	1.8	1	3.8	76
401430235	2011	5	2	16	V	2.1	1	3.76	73
401430235	2011	5	2	17	V	3.7	1	3.68	84
401430235	2011	5	2	18	V	3.8	1	3.78	84
401430235	2011	5	2	19	V	1.6	1	2.83	94
401430235	2011	5	2	20	V	3.9	1	0.6	259
401430235	2011	5	2	21	V	3.3	1	0.84	237
401430235	2011	5	2	22	V	1.7	1	1.2	257
401430235	2011	5	2	23	V	1.5	1	1.03	254
401430235	2011	5	2	24	V	1.8	1	1.11	244
401430235	2011	5	3	1	V	2.0	1	0.91	211
401430235	2011	5	3	2	V	2.2	1	0.77	208
401430235	2011	5	3	3	C	-999	1	0	0
401430235	2011	5	3	4	C	-999	1	0	0
401430235	2011	5	3	5	C	-999	1	0	0
401430235	2011	5	3	6	V	2.2	1	0.62	236
401430235	2011	5	3	7	C	-999	2	0	0
401430235	2011	5	3	8	V	5.9	2	1.3	209
401430235	2011	5	3	9	V	2.1	1	1.72	249
401430235	2011	5	3	10	V	3.1	2	1.77	249
401430235	2011	5	3	11	V	2.5	2	1.72	245
401430235	2011	5	3	12	V	2.5	2	2.76	223
401430235	2011	5	3	13	V	2.6	2	2.86	232
401430235	2011	5	3	14	V	2.6	1	2.79	219
401430235	2011	5	3	15	V	2.0	1	2.96	223
401430235	2011	5	3	16	V	2.3	1	2.67	223
401430235	2011	5	3	17	V	4.0	1	2.3	231
401430235	2011	5	3	18	V	4.0	1	2.1	236
401430235	2011	5	3	19	V	2.0	1	1.35	213
401430235	2011	5	3	20	V	4.1	1	0.69	206
401430235	2011	5	3	21	V	5.2	1	0.55	252
401430235	2011	5	3	22	V	2.5	1	0.72	233
401430235	2011	5	3	23	V	3.1	1	0.6	220
401430235	2011	5	3	24	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	4	1	V	3.1	1	0.75	187
401430235	2011	5	4	2	V	2.1	1	0.87	196
401430235	2011	5	4	3	V	1.6	1	0.86	197
401430235	2011	5	4	4	C	-999	1	0	0
401430235	2011	5	4	5	V	3.1	1	0.72	177
401430235	2011	5	4	6	V	3.0	1	0.58	200
401430235	2011	5	4	7	V	2.1	1	1.04	173
401430235	2011	5	4	8	V	4.6	1	2.13	173
401430235	2011	5	4	9	V	1.5	1	4.19	184
401430235	2011	5	4	10	V	2.7	1	5.41	192
401430235	2011	5	4	11	V	2.1	2	6.12	196
401430235	2011	5	4	12	V	2.4	2	6.5	192
401430235	2011	5	4	13	V	2.5	2	6.77	183
401430235	2011	5	4	14	V	2.6	1	6.5	189
401430235	2011	5	4	15	V	1.9	-999	6.13	187
401430235	2011	5	4	16	V	2.2	-999	6.7	181
401430235	2011	5	4	17	V	3.8	0	6.82	180
401430235	2011	5	4	18	V	3.8	0	6.33	176
401430235	2011	5	4	19	V	1.6	0	5.31	172
401430235	2011	5	4	20	V	3.0	0	3.54	173
401430235	2011	5	4	21	V	2.8	0	2.93	183
401430235	2011	5	4	22	V	1.5	0	2.93	200
401430235	2011	5	4	23	V	1.2	0	3.12	194
401430235	2011	5	4	24	V	1.5	0	3.52	180
401430235	2011	5	5	1	V	1.4	0	4.14	168
401430235	2011	5	5	2	V	1.1	0	2.03	184
401430235	2011	5	5	3	V	0.8	0	1.13	246
401430235	2011	5	5	4	V	0.9	0	1.64	189
401430235	2011	5	5	5	V	1.9	0	1.08	222
401430235	2011	5	5	6	V	0.9	0	1.23	205
401430235	2011	5	5	7	V	1.4	0	2.15	168
401430235	2011	5	5	8	V	4.0	0	4.95	169
401430235	2011	5	5	9	V	1.4	1	5.95	175
401430235	2011	5	5	10	V	2.6	1	6.58	193
401430235	2011	5	5	11	V	2.0	1	5.58	207
401430235	2011	5	5	12	V	2.3	1	5.69	218
401430235	2011	5	5	13	V	2.4	1	4.39	228
401430235	2011	5	5	14	V	2.4	1	4.49	235
401430235	2011	5	5	15	V	3.4	1	3.08	291
401430235	2011	5	5	16	V	5.9	1	3.18	319
401430235	2011	5	5	17	V	7.9	1	3.1	312
401430235	2011	5	5	18	V	8.8	1	2.79	331
401430235	2011	5	5	19	V	1.7	0	2.64	357
401430235	2011	5	5	20	V	3.0	0	2.08	9
401430235	2011	5	5	21	V	3.4	0	0.86	2
401430235	2011	5	5	22	V	1.5	0	1.81	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	5	23	V	1.2	0	2.18	50
401430235	2011	5	5	24	V	6.6	0	1.62	43
401430235	2011	5	6	1	V	37.1	0	0.55	320
401430235	2011	5	6	2	V	1.5	1	0.94	248
401430235	2011	5	6	3	V	2.1	1	0.65	261
401430235	2011	5	6	4	C	-999	2	0	0
401430235	2011	5	6	5	V	3.3	1	0.6	235
401430235	2011	5	6	6	C	-999	0	0	0
401430235	2011	5	6	7	C	-999	0	0	0
401430235	2011	5	6	8	V	6.2	0	1.18	198
401430235	2011	5	6	9	V	1.5	0	3.25	174
401430235	2011	5	6	10	V	2.5	1	4.24	168
401430235	2011	5	6	11	V	2.1	0	5.04	179
401430235	2011	5	6	12	V	2.4	0	5.02	174
401430235	2011	5	6	13	V	2.5	1	5.94	178
401430235	2011	5	6	14	V	2.5	1	5.97	181
401430235	2011	5	6	15	V	1.9	1	6.19	185
401430235	2011	5	6	16	V	2.2	1	6.63	184
401430235	2011	5	6	17	V	3.8	2	6.55	182
401430235	2011	5	6	18	V	3.9	1	6.07	182
401430235	2011	5	6	19	V	1.6	1	5.14	181
401430235	2011	5	6	20	V	3.0	1	4.07	169
401430235	2011	5	6	21	V	2.8	1	2.96	159
401430235	2011	5	6	22	V	1.5	1	3.3	165
401430235	2011	5	6	23	V	1.1	1	3.15	160
401430235	2011	5	6	24	V	1.5	0	3.52	160
401430235	2011	5	7	1	V	1.4	0	3.39	162
401430235	2011	5	7	2	V	1.0	0	3.71	164
401430235	2011	5	7	3	V	0.5	0	3.56	165
401430235	2011	5	7	4	V	0.6	0	3.74	167
401430235	2011	5	7	5	V	1.4	1	2.56	165
401430235	2011	5	7	6	V	0.6	0	4.56	188
401430235	2011	5	7	7	V	1.3	1	5.12	193
401430235	2011	5	7	8	V	4.2	1	4.88	189
401430235	2011	5	7	9	V	1.5	1	5.24	190
401430235	2011	5	7	10	V	2.7	1	5.09	191
401430235	2011	5	7	11	V	2.2	1	4.31	193
401430235	2011	5	7	12	V	2.4	1	3.56	169
401430235	2011	5	7	13	V	2.6	1	2.95	175
401430235	2011	5	7	14	V	2.5	1	3.9	162
401430235	2011	5	7	15	V	1.8	1	4.24	156
401430235	2011	5	7	16	V	2.1	1	4.54	165
401430235	2011	5	7	17	V	3.8	0	4.2	175
401430235	2011	5	7	18	V	3.8	1	4.48	166
401430235	2011	5	7	19	V	1.7	1	3.44	160
401430235	2011	5	7	20	V	2.9	1	2.69	155

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	7	21	V	3.1	1	1.31	177
401430235	2011	5	7	22	V	1.6	1	1.48	167
401430235	2011	5	7	23	V	2.0	0	1.01	194
401430235	2011	5	7	24	V	1.9	0	1.25	172
401430235	2011	5	8	1	V	3.5	1	0.63	201
401430235	2011	5	8	2	V	1.6	0	0.94	167
401430235	2011	5	8	3	V	0.9	0	1.33	181
401430235	2011	5	8	4	V	0.6	1	1.96	146
401430235	2011	5	8	5	V	1.5	0	1.99	157
401430235	2011	5	8	6	V	0.6	0	3.27	165
401430235	2011	5	8	7	V	1.1	0	4.2	161
401430235	2011	5	8	8	V	4.0	1	5.17	165
401430235	2011	5	8	9	V	1.3	1	5.16	163
401430235	2011	5	8	10	V	2.5	0	6.01	166
401430235	2011	5	8	11	V	2.0	0	6.45	168
401430235	2011	5	8	12	V	2.3	0	6.65	168
401430235	2011	5	8	13	V	2.4	1	7.31	165
401430235	2011	5	8	14	V	2.4	1	8.22	169
401430235	2011	5	8	15	V	1.8	1	8.15	171
401430235	2011	5	8	16	V	2.0	0	8.11	167
401430235	2011	5	8	17	V	3.7	1	7.81	174
401430235	2011	5	8	18	V	3.8	1	7.3	174
401430235	2011	5	8	19	V	1.6	1	6.01	171
401430235	2011	5	8	20	V	3.0	1	5.09	176
401430235	2011	5	8	21	V	2.8	1	4.7	169
401430235	2011	5	8	22	V	1.5	1	5.21	165
401430235	2011	5	8	23	V	1.1	0	4.27	159
401430235	2011	5	8	24	V	1.5	0	3.88	168
401430235	2011	5	9	1	V	1.4	1	2.35	171
401430235	2011	5	9	2	V	1.0	1	1.81	164
401430235	2011	5	9	3	V	0.5	1	4.05	181
401430235	2011	5	9	4	V	0.6	1	5.21	185
401430235	2011	5	9	5	V	1.5	1	4.46	179
401430235	2011	5	9	6	V	0.6	0	4.17	179
401430235	2011	5	9	7	V	1.2	1	5.73	179
401430235	2011	5	9	8	V	4.2	1	6.92	184
401430235	2011	5	9	9	V	1.5	1	7.26	185
401430235	2011	5	9	10	V	2.6	1	7.13	185
401430235	2011	5	9	11	V	2.1	1	7.45	179
401430235	2011	5	9	12	V	2.3	1	7.37	176
401430235	2011	5	9	13	V	2.5	1	8.4	187
401430235	2011	5	9	14	V	2.5	1	8.11	179
401430235	2011	5	9	15	V	1.8	1	7.48	177
401430235	2011	5	9	16	V	2.2	1	7.3	177
401430235	2011	5	9	17	V	3.7	1	7.28	173
401430235	2011	5	9	18	V	3.9	1	7.11	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	9	19	V	1.7	1	6.36	179
401430235	2011	5	9	20	V	3.0	1	5.26	177
401430235	2011	5	9	21	V	2.8	1	4.68	170
401430235	2011	5	9	22	V	1.5	1	4	168
401430235	2011	5	9	23	V	1.1	1	3.95	159
401430235	2011	5	9	24	V	1.5	1	3.88	168
401430235	2011	5	10	1	V	1.4	1	2.11	170
401430235	2011	5	10	2	V	1.1	1	1.62	164
401430235	2011	5	10	3	V	0.5	1	4.05	181
401430235	2011	5	10	4	V	0.6	1	5.21	185
401430235	2011	5	10	5	V	1.5	1	4.51	179
401430235	2011	5	10	6	V	0.6	1	4.15	179
401430235	2011	5	10	7	V	1.2	1	4.8	179
401430235	2011	5	10	8	V	4.0	1	5.65	173
401430235	2011	5	10	9	V	1.4	1	6.23	174
401430235	2011	5	10	10	V	2.6	1	7.57	186
401430235	2011	5	10	11	V	2.1	1	8.66	191
401430235	2011	5	10	12	V	2.4	1	8.28	184
401430235	2011	5	10	13	V	2.5	1	7.54	182
401430235	2011	5	10	14	V	2.6	1	7.77	189
401430235	2011	5	10	15	V	1.9	1	6.65	192
401430235	2011	5	10	16	V	2.2	1	5.44	180
401430235	2011	5	10	17	V	3.8	1	6.11	179
401430235	2011	5	10	18	V	3.9	0	4.12	172
401430235	2011	5	10	19	V	1.7	1	3.35	169
401430235	2011	5	10	20	V	3.0	1	2.57	169
401430235	2011	5	10	21	V	2.8	1	1.99	170
401430235	2011	5	10	22	V	1.5	0	2.35	133
401430235	2011	5	10	23	V	1.1	1	2.98	143
401430235	2011	5	10	24	V	1.5	0	2.64	141
401430235	2011	5	11	1	V	1.4	1	2.16	137
401430235	2011	5	11	2	V	1.7	1	1.04	198
401430235	2011	5	11	3	V	1.4	1	0.99	196
401430235	2011	5	11	4	V	0.9	1	1.42	181
401430235	2011	5	11	5	V	1.5	1	1.89	174
401430235	2011	5	11	6	V	0.6	1	3.22	167
401430235	2011	5	11	7	V	1.2	1	3.15	164
401430235	2011	5	11	8	V	4.0	0	4.29	167
401430235	2011	5	11	9	V	1.4	1	6.63	174
401430235	2011	5	11	10	V	2.5	1	7.47	175
401430235	2011	5	11	11	V	2.1	1	6.23	189
401430235	2011	5	11	12	V	2.4	1	7.18	184
401430235	2011	5	11	13	V	2.5	1	6.24	176
401430235	2011	5	11	14	V	2.4	0	6.11	170
401430235	2011	5	11	15	V	1.8	1	6.35	175
401430235	2011	5	11	16	V	2.1	1	5.48	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	11	17	V	3.7	1	4.66	233
401430235	2011	5	11	18	V	9.9	1	2.59	313
401430235	2011	5	11	19	V	1.7	0	3.07	110
401430235	2011	5	11	20	V	3.0	0	1.77	108
401430235	2011	5	11	21	V	3.2	1	0.96	251
401430235	2011	5	11	22	V	1.7	1	1.38	126
401430235	2011	5	11	23	V	1.2	0	1.99	170
401430235	2011	5	11	24	V	1.5	0	2.21	173
401430235	2011	5	12	1	V	1.4	1	2.88	167
401430235	2011	5	12	2	V	1.0	1	3.35	169
401430235	2011	5	12	3	V	0.5	0	2.4	164
401430235	2011	5	12	4	V	0.7	1	2.52	170
401430235	2011	5	12	5	V	1.5	0	2.13	172
401430235	2011	5	12	6	V	0.6	0	2.11	171
401430235	2011	5	12	7	V	1.3	1	2.44	165
401430235	2011	5	12	8	V	4.1	0	3.56	172
401430235	2011	5	12	9	V	1.6	1	4.9	186
401430235	2011	5	12	10	V	2.6	3	6.06	196
401430235	2011	5	12	11	V	2.0	2	5.38	203
401430235	2011	5	12	12	V	2.4	12	5.87	199
401430235	2011	5	12	13	V	2.6	26	5.58	196
401430235	2011	5	12	14	V	2.4	13	5.09	214
401430235	2011	5	12	15	V	1.9	16	4.26	202
401430235	2011	5	12	16	V	2.3	11	4.15	186
401430235	2011	5	12	17	V	4.7	4	1.96	285
401430235	2011	5	12	18	V	4.1	2	2.28	204
401430235	2011	5	12	19	V	1.5	2	3.15	147
401430235	2011	5	12	20	V	3.2	1	1.21	278
401430235	2011	5	12	21	V	3.9	1	0.62	225
401430235	2011	5	12	22	V	2.0	1	0.92	224
401430235	2011	5	12	23	V	2.0	1	0.86	216
401430235	2011	5	12	24	V	5.4	6	1.42	300
401430235	2011	5	13	1	V	1.5	3	1.6	272
401430235	2011	5	13	2	V	1.0	1	2.79	265
401430235	2011	5	13	3	V	0.5	1	2.64	263
401430235	2011	5	13	4	V	0.6	1	1.93	258
401430235	2011	5	13	5	V	1.5	1	2.3	256
401430235	2011	5	13	6	V	0.6	1	3.12	274
401430235	2011	5	13	7	V	1.7	1	3.83	294
401430235	2011	5	13	8	V	9.4	2	4.54	305
401430235	2011	5	13	9	V	10.4	2	4.39	312
401430235	2011	5	13	10	V	11.9	5	4	316
401430235	2011	5	13	11	V	10.9	6	4.05	320
401430235	2011	5	13	12	V	10.9	7	4.61	319
401430235	2011	5	13	13	V	9.8	9	4.7	325
401430235	2011	5	13	14	V	8.6	7	3.64	307

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	13	15	V	10.9	7	3.97	317
401430235	2011	5	13	16	V	11.3	9	3.88	321
401430235	2011	5	13	17	V	12.5	8	3.75	325
401430235	2011	5	13	18	V	6.6	3	3.39	340
401430235	2011	5	13	19	V	1.9	1	3.58	353
401430235	2011	5	13	20	V	4.2	1	2.89	347
401430235	2011	5	13	21	V	3.7	1	2.91	348
401430235	2011	5	13	22	V	3.7	2	3.08	345
401430235	2011	5	13	23	V	2.7	1	3.63	346
401430235	2011	5	13	24	V	2.1	1	4.03	350
401430235	2011	5	14	1	V	1.8	1	4.56	351
401430235	2011	5	14	2	V	3.6	0	4.19	344
401430235	2011	5	14	3	V	5.2	0	4.36	341
401430235	2011	5	14	4	V	2.7	1	4.25	345
401430235	2011	5	14	5	V	5.4	1	4.34	342
401430235	2011	5	14	6	V	1.3	1	3.66	349
401430235	2011	5	14	7	V	1.4	1	4.7	348
401430235	2011	5	14	8	V	4.3	0	5	347
401430235	2011	5	14	9	V	2.0	1	4.76	346
401430235	2011	5	14	10	V	3.9	3	5.11	343
401430235	2011	5	14	11	V	2.7	8	4.95	349
401430235	2011	5	14	12	V	3.4	8	5.1	345
401430235	2011	5	14	13	V	4.8	5	4.83	338
401430235	2011	5	14	14	V	3.5	6	4.76	346
401430235	2011	5	14	15	V	2.3	3	4.92	349
401430235	2011	5	14	16	V	2.7	4	4.85	350
401430235	2011	5	14	17	V	5.1	5	4.7	344
401430235	2011	5	14	18	V	4.0	2	3.81	353
401430235	2011	5	14	19	V	1.5	1	2.81	355
401430235	2011	5	14	20	V	3.0	1	2.1	5
401430235	2011	5	14	21	V	2.8	1	2.16	355
401430235	2011	5	14	22	V	1.8	0	2.88	346
401430235	2011	5	14	23	V	1.2	0	3.49	352
401430235	2011	5	14	24	V	2.1	0	3.37	347
401430235	2011	5	15	1	V	1.5	0	3.83	352
401430235	2011	5	15	2	V	1.0	0	3.15	352
401430235	2011	5	15	3	V	1.0	0	2.28	343
401430235	2011	5	15	4	V	25.8	1	1.81	323
401430235	2011	5	15	5	V	29.0	5	1.69	321
401430235	2011	5	15	6	V	24.7	12	2.15	319
401430235	2011	5	15	7	V	16.8	6	2.35	313
401430235	2011	5	15	8	V	13.0	15	3.29	324
401430235	2011	5	15	9	V	3.6	12	4.37	340
401430235	2011	5	15	10	V	6.5	9	4.14	332
401430235	2011	5	15	11	V	6.5	7	4.14	327
401430235	2011	5	15	12	V	5.5	6	4.46	334

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	15	13	V	8.4	9	4.17	324
401430235	2011	5	15	14	V	7.1	10	4.09	321
401430235	2011	5	15	15	V	8.3	10	3.92	316
401430235	2011	5	15	16	V	5.2	7	4.48	336
401430235	2011	5	15	17	V	8.4	7	4.43	331
401430235	2011	5	15	18	V	3.9	9	4.02	354
401430235	2011	5	15	19	V	1.5	0	3.71	355
401430235	2011	5	15	20	V	3.0	1	4.8	8
401430235	2011	5	15	21	V	2.8	1	5.5	17
401430235	2011	5	15	22	V	1.5	1	3.32	10
401430235	2011	5	15	23	V	1.1	1	2.66	1
401430235	2011	5	15	24	V	1.5	1	2.57	1
401430235	2011	5	16	1	V	1.4	0	2.37	358
401430235	2011	5	16	2	V	1.0	1	2.35	357
401430235	2011	5	16	3	V	17.3	0	1.82	334
401430235	2011	5	16	4	V	43.8	0	1.2	315
401430235	2011	5	16	5	V	23.0	1	1.64	333
401430235	2011	5	16	6	V	3.0	1	1.25	343
401430235	2011	5	16	7	V	8.6	1	1.21	294
401430235	2011	5	16	8	V	4.0	1	3.85	10
401430235	2011	5	16	9	V	1.6	1	3.3	24
401430235	2011	5	16	10	V	2.9	1	2.91	25
401430235	2011	5	16	11	V	3.2	0	3.49	35
401430235	2011	5	16	12	V	2.8	0	3.44	27
401430235	2011	5	16	13	V	2.5	0	3.29	16
401430235	2011	5	16	14	V	2.8	0	2.91	5
401430235	2011	5	16	15	V	2.2	0	2.44	8
401430235	2011	5	16	16	V	2.4	0	2.55	11
401430235	2011	5	16	17	V	4.0	0	2.61	8
401430235	2011	5	16	18	V	4.7	0	1.98	359
401430235	2011	5	16	19	V	1.8	0	1.62	16
401430235	2011	5	16	20	V	3.6	1	0.79	10
401430235	2011	5	16	21	V	4.6	2	0.63	3
401430235	2011	5	16	22	V	4.0	1	0.53	274
401430235	2011	5	16	23	V	2.4	1	0.74	278
401430235	2011	5	16	24	V	2.9	1	0.67	260
401430235	2011	5	17	1	C	-999	1	0	0
401430235	2011	5	17	2	C	-999	1	0	0
401430235	2011	5	17	3	C	-999	1	0	0
401430235	2011	5	17	4	C	-999	2	0	0
401430235	2011	5	17	5	C	-999	2	0	0
401430235	2011	5	17	6	C	-999	2	0	0
401430235	2011	5	17	7	V	8.1	2	0.52	147
401430235	2011	5	17	8	V	6.7	1	1.11	82
401430235	2011	5	17	9	V	1.5	1	2.55	155
401430235	2011	5	17	10	V	2.6	2	3.03	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	17	11	V	2.1	2	3.17	110
401430235	2011	5	17	12	V	2.4	2	3.1	92
401430235	2011	5	17	13	V	2.5	2	3.27	110
401430235	2011	5	17	14	V	2.5	1	3.22	102
401430235	2011	5	17	15	V	1.9	1	3.22	98
401430235	2011	5	17	16	V	2.2	2	2.98	119
401430235	2011	5	17	17	V	3.7	2	3.93	136
401430235	2011	5	17	18	V	3.8	1	4.19	125
401430235	2011	5	17	19	V	1.6	1	3.93	118
401430235	2011	5	17	20	V	3.0	1	2.33	127
401430235	2011	5	17	21	V	8.0	1	0.77	294
401430235	2011	5	17	22	V	2.0	1	0.97	15
401430235	2011	5	17	23	V	1.9	1	0.84	65
401430235	2011	5	17	24	V	1.5	1	3.05	121
401430235	2011	5	18	1	V	1.5	1	1.62	97
401430235	2011	5	18	2	V	0.9	1	2.84	105
401430235	2011	5	18	3	V	0.5	1	2.84	98
401430235	2011	5	18	4	V	0.6	1	2.76	65
401430235	2011	5	18	5	V	1.5	0	3.03	107
401430235	2011	5	18	6	V	0.6	0	3.8	132
401430235	2011	5	18	7	V	1.2	0	3.08	88
401430235	2011	5	18	8	V	4.0	0	2.89	103
401430235	2011	5	18	9	V	1.3	1	4.36	99
401430235	2011	5	18	10	V	2.4	1	6.21	120
401430235	2011	5	18	11	V	1.9	1	5.73	130
401430235	2011	5	18	12	V	2.2	1	6.3	140
401430235	2011	5	18	13	V	2.3	1	5.87	144
401430235	2011	5	18	14	V	2.4	1	5.44	141
401430235	2011	5	18	15	V	1.7	1	4.77	123
401430235	2011	5	18	16	V	2.0	1	5.87	122
401430235	2011	5	18	17	V	3.6	1	5.9	118
401430235	2011	5	18	18	V	3.7	1	5.33	122
401430235	2011	5	18	19	V	1.5	1	4.73	131
401430235	2011	5	18	20	V	3.0	1	4.43	136
401430235	2011	5	18	21	V	2.8	1	4.87	137
401430235	2011	5	18	22	V	1.5	1	4.75	134
401430235	2011	5	18	23	V	1.1	1	4.19	138
401430235	2011	5	18	24	V	1.6	1	3.7	146
401430235	2011	5	19	1	V	1.4	1	4.36	149
401430235	2011	5	19	2	V	1.0	1	5.36	149
401430235	2011	5	19	3	V	0.5	1	3.86	154
401430235	2011	5	19	4	V	0.6	1	4.36	171
401430235	2011	5	19	5	V	1.5	1	5.96	179
401430235	2011	5	19	6	V	0.6	1	5.96	172
401430235	2011	5	19	7	V	1.1	1	6.46	173
401430235	2011	5	19	8	V	4.0	1	7.46	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	19	9	V	1.3	1	8.46	176
401430235	2011	5	19	10	V	2.4	1	6.46	162
401430235	2011	5	19	11	V	2.0	1	6.96	175
401430235	2011	5	19	12	V	2.2	0	7.46	157
401430235	2011	5	19	13	V	2.3	1	6.96	158
401430235	2011	5	19	14	V	2.4	1	5.36	161
401430235	2011	5	19	15	V	1.7	1	6.17	163
401430235	2011	5	19	16	V	2.0	1	5.02	159
401430235	2011	5	19	17	V	3.7	1	5.46	155
401430235	2011	5	19	18	V	3.7	1	5.53	156
401430235	2011	5	19	19	V	1.5	1	5.36	164
401430235	2011	5	19	20	V	3.0	1	3.97	161
401430235	2011	5	19	21	V	2.8	1	4.44	152
401430235	2011	5	19	22	V	1.5	1	3.37	151
401430235	2011	5	19	23	V	1.1	1	3.47	151
401430235	2011	5	19	24	V	1.6	0	4.36	167
401430235	2011	5	20	1	V	1.5	0	3.15	197
401430235	2011	5	20	2	V	1.0	0	2.27	147
401430235	2011	5	20	3	V	0.5	1	3.59	121
401430235	2011	5	20	4	V	0.6	1	3.39	139
401430235	2011	5	20	5	V	1.5	1	3.44	141
401430235	2011	5	20	6	V	0.6	1	3.95	151
401430235	2011	5	20	7	V	1.3	1	3.3	214
401430235	2011	5	20	8	V	4.4	1	2.4	178
401430235	2011	5	20	9	V	1.8	1	1.72	190
401430235	2011	5	20	10	V	2.6	1	2.74	169
401430235	2011	5	20	11	V	2.1	1	2.74	112
401430235	2011	5	20	12	V	2.3	-999	4.2	146
401430235	2011	5	20	13	V	2.4	-999	5.46	132
401430235	2011	5	20	14	V	2.5	0	4.14	157
401430235	2011	5	20	15	V	2.0	0	4.15	196
401430235	2011	5	20	16	V	2.2	0	4.92	176
401430235	2011	5	20	17	V	3.7	0	5.16	132
401430235	2011	5	20	18	V	4.0	0	3.68	183
401430235	2011	5	20	19	V	1.7	0	3.47	155
401430235	2011	5	20	20	V	2.9	0	2.61	163
401430235	2011	5	20	21	V	2.8	0	3.32	178
401430235	2011	5	20	22	V	1.5	0	3.92	156
401430235	2011	5	20	23	V	1.2	0	4.2	164
401430235	2011	5	20	24	V	1.6	0	4.02	164
401430235	2011	5	21	1	V	1.4	0	4.08	176
401430235	2011	5	21	2	V	1.0	0	4.12	178
401430235	2011	5	21	3	V	0.5	0	3.93	178
401430235	2011	5	21	4	V	0.6	0	4.02	178
401430235	2011	5	21	5	V	1.5	0	4.24	165
401430235	2011	5	21	6	V	0.6	0	5.19	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	21	7	V	1.2	0	5.44	180
401430235	2011	5	21	8	V	4.2	0	5.43	183
401430235	2011	5	21	9	V	1.5	0	6.58	182
401430235	2011	5	21	10	V	2.6	0	6.67	181
401430235	2011	5	21	11	V	2.1	0	6.47	181
401430235	2011	5	21	12	V	2.3	0	6.94	175
401430235	2011	5	21	13	V	2.4	0	6.64	169
401430235	2011	5	21	14	V	2.4	0	7.65	168
401430235	2011	5	21	15	V	1.8	0	7.67	171
401430235	2011	5	21	16	V	2.1	0	6.96	172
401430235	2011	5	21	17	V	3.8	0	7.09	174
401430235	2011	5	21	18	V	3.8	0	6.57	174
401430235	2011	5	21	19	V	1.6	0	5.72	172
401430235	2011	5	21	20	V	3.0	0	4.46	169
401430235	2011	5	21	21	V	2.8	0	4.67	170
401430235	2011	5	21	22	V	1.5	0	4.44	166
401430235	2011	5	21	23	V	1.1	0	4.58	169
401430235	2011	5	21	24	V	1.6	0	4.94	171
401430235	2011	5	22	1	V	1.4	0	5.33	178
401430235	2011	5	22	2	V	1.0	0	5.22	177
401430235	2011	5	22	3	V	0.6	0	5.94	179
401430235	2011	5	22	4	V	0.6	0	5.22	178
401430235	2011	5	22	5	V	1.5	0	4.2	177
401430235	2011	5	22	6	V	0.7	0	3.54	192
401430235	2011	5	22	7	V	1.3	0	5.04	182
401430235	2011	5	22	8	V	4.2	0	5.58	185
401430235	2011	5	22	9	V	1.5	0	6.86	186
401430235	2011	5	22	10	V	2.7	0	7.98	189
401430235	2011	5	22	11	V	2.1	0	7.81	195
401430235	2011	5	22	12	V	2.4	0	7.93	194
401430235	2011	5	22	13	V	2.5	0	7.48	195
401430235	2011	5	22	14	V	2.5	0	7.88	198
401430235	2011	5	22	15	V	1.8	0	7.36	200
401430235	2011	5	22	16	V	2.1	0	5.87	207
401430235	2011	5	22	17	V	3.8	0	5.63	206
401430235	2011	5	22	18	V	3.8	0	4	220
401430235	2011	5	22	19	V	1.7	0	2.22	215
401430235	2011	5	22	20	V	3.1	0	6.55	194
401430235	2011	5	22	21	V	3.0	0	2.93	223
401430235	2011	5	22	22	V	1.5	0	1.62	265
401430235	2011	5	22	23	V	1.6	0	1.25	195
401430235	2011	5	22	24	V	2.0	0	1.42	213
401430235	2011	5	23	1	V	3.3	0	0.57	229
401430235	2011	5	23	2	V	3.8	0	0.53	175
401430235	2011	5	23	3	V	1.7	0	0.75	128
401430235	2011	5	23	4	V	0.6	0	2.06	131

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	23	5	V	1.5	0	3.3	148
401430235	2011	5	23	6	V	0.6	0	4.22	163
401430235	2011	5	23	7	V	1.3	0	4.32	180
401430235	2011	5	23	8	V	4.2	0	5.87	184
401430235	2011	5	23	9	V	1.5	0	5.75	184
401430235	2011	5	23	10	V	2.7	0	5.17	195
401430235	2011	5	23	11	V	2.2	0	3.91	180
401430235	2011	5	23	12	V	2.4	0	3.91	178
401430235	2011	5	23	13	V	2.6	0	6.12	185
401430235	2011	5	23	14	V	2.6	0	7.11	183
401430235	2011	5	23	15	V	2.0	0	6.47	191
401430235	2011	5	23	16	V	2.3	0	6.58	192
401430235	2011	5	23	17	V	4.0	0	4.03	191
401430235	2011	5	23	18	V	3.9	0	3.73	218
401430235	2011	5	23	19	V	1.5	0	5.56	10
401430235	2011	5	23	20	V	3.1	0	4.65	51
401430235	2011	5	23	21	V	2.9	0	6.02	187
401430235	2011	5	23	22	V	1.6	0	6.64	201
401430235	2011	5	23	23	V	1.1	0	4.97	163
401430235	2011	5	23	24	V	1.5	0	3.58	131
401430235	2011	5	24	1	V	1.8	0	1.42	188
401430235	2011	5	24	2	V	1.0	0	2.49	172
401430235	2011	5	24	3	V	0.5	0	3.85	178
401430235	2011	5	24	4	V	0.6	0	3.4	156
401430235	2011	5	24	5	V	1.5	0	5.53	168
401430235	2011	5	24	6	V	0.6	0	6.6	177
401430235	2011	5	24	7	V	1.1	0	5.94	173
401430235	2011	5	24	8	V	4.0	0	6.84	169
401430235	2011	5	24	9	V	1.3	0	7.37	169
401430235	2011	5	24	10	V	2.5	0	6.09	171
401430235	2011	5	24	11	V	2.1	0	6.22	179
401430235	2011	5	24	12	V	2.5	0	7.09	186
401430235	2011	5	24	13	V	2.6	0	7.55	185
401430235	2011	5	24	14	V	2.5	0	7.14	179
401430235	2011	5	24	15	V	1.8	0	7.21	171
401430235	2011	5	24	16	V	2.0	0	6.24	160
401430235	2011	5	24	17	V	3.6	0	6.21	157
401430235	2011	5	24	18	V	3.7	0	5.89	154
401430235	2011	5	24	19	V	1.5	0	4.34	167
401430235	2011	5	24	20	V	3.2	0	6.35	210
401430235	2011	5	24	21	V	2.7	0	3.52	148
401430235	2011	5	24	22	V	1.5	0	1.99	206
401430235	2011	5	24	23	V	1.1	0	4.1	162
401430235	2011	5	24	24	V	1.5	0	3.39	159
401430235	2011	5	25	1	V	1.4	0	3.71	166
401430235	2011	5	25	2	V	1.0	0	3.1	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	25	3	V	0.6	0	2.1	199
401430235	2011	5	25	4	V	0.7	0	4.17	207
401430235	2011	5	25	5	V	1.6	0	4.2	208
401430235	2011	5	25	6	V	0.8	0	4	210
401430235	2011	5	25	7	V	1.1	0	4.58	222
401430235	2011	5	25	8	V	4.0	0	5.24	230
401430235	2011	5	25	9	V	1.3	0	5.68	233
401430235	2011	5	25	10	V	2.5	0	4.54	248
401430235	2011	5	25	11	V	2.0	0	4.54	242
401430235	2011	5	25	12	V	2.3	0	4.95	240
401430235	2011	5	25	13	V	2.4	0	6.26	236
401430235	2011	5	25	14	V	2.4	0	5.33	242
401430235	2011	5	25	15	V	1.8	0	5.62	244
401430235	2011	5	25	16	V	2.1	1	4.75	270
401430235	2011	5	25	17	V	4.7	1	4.46	288
401430235	2011	5	25	18	V	5.6	1	3.59	293
401430235	2011	5	25	19	V	1.6	0	2.98	287
401430235	2011	5	25	20	V	8.5	0	3.81	300
401430235	2011	5	25	21	V	26.0	1	4.2	314
401430235	2011	5	25	22	V	25.5	1	3.98	317
401430235	2011	5	25	23	V	25.0	2	3.93	316
401430235	2011	5	25	24	V	20.8	2	4.24	327
401430235	2011	5	26	1	V	14.2	4	4.48	333
401430235	2011	5	26	2	V	15.0	4	3.58	332
401430235	2011	5	26	3	V	14.5	3	3.69	332
401430235	2011	5	26	4	V	3.8	1	3.52	343
401430235	2011	5	26	5	V	4.0	0	3.51	344
401430235	2011	5	26	6	V	7.0	1	3.12	340
401430235	2011	5	26	7	V	6.5	1	2.54	337
401430235	2011	5	26	8	V	7.3	1	3.07	339
401430235	2011	5	26	9	V	1.4	0	3.95	352
401430235	2011	5	26	10	V	3.9	4	3.37	346
401430235	2011	5	26	11	V	6.2	4	3.01	327
401430235	2011	5	26	12	V	5.5	7	2.96	333
401430235	2011	5	26	13	V	5.0	1	2.71	336
401430235	2011	5	26	14	V	3.3	3	3	353
401430235	2011	5	26	15	V	2.7	4	2.57	356
401430235	2011	5	26	16	V	3.3	0	1.93	351
401430235	2011	5	26	17	V	4.6	0	1.38	339
401430235	2011	5	26	18	V	4.7	0	1.04	343
401430235	2011	5	26	19	V	2.6	0	1.84	43
401430235	2011	5	26	20	V	3.0	0	2.16	77
401430235	2011	5	26	21	V	3.6	0	0.86	55
401430235	2011	5	26	22	V	2.6	0	0.77	55
401430235	2011	5	26	23	V	3.6	0	0.53	60
401430235	2011	5	26	24	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	27	1	V	1.5	0	1.52	134
401430235	2011	5	27	2	V	0.9	0	2.69	126
401430235	2011	5	27	3	V	0.5	0	3.85	125
401430235	2011	5	27	4	V	0.6	0	3.54	135
401430235	2011	5	27	5	V	1.5	0	3.27	150
401430235	2011	5	27	6	V	0.6	0	3.95	136
401430235	2011	5	27	7	V	1.1	0	4.17	136
401430235	2011	5	27	8	V	4.0	0	4.85	144
401430235	2011	5	27	9	V	1.3	0	5.44	152
401430235	2011	5	27	10	V	2.4	-999	6.41	155
401430235	2011	5	27	11	V	1.9	0	7.65	161
401430235	2011	5	27	12	V	2.3	0	7.54	170
401430235	2011	5	27	13	V	2.4	0	7.23	174
401430235	2011	5	27	14	V	2.5	0	5.53	176
401430235	2011	5	27	15	V	2.0	0	5.31	186
401430235	2011	5	27	16	V	2.3	0	4.97	188
401430235	2011	5	27	17	V	3.8	0	4.75	174
401430235	2011	5	27	18	V	3.8	0	3.29	163
401430235	2011	5	27	19	V	1.5	0	3.22	131
401430235	2011	5	27	20	V	3.0	0	2.95	133
401430235	2011	5	27	21	V	2.8	0	3.3	118
401430235	2011	5	27	22	V	1.5	0	3.42	123
401430235	2011	5	27	23	V	1.1	0	3.83	126
401430235	2011	5	27	24	V	1.5	0	3.52	122
401430235	2011	5	28	1	V	1.4	0	4.12	119
401430235	2011	5	28	2	V	1.0	0	4.53	125
401430235	2011	5	28	3	V	0.5	0	4.1	140
401430235	2011	5	28	4	V	0.6	0	3.88	139
401430235	2011	5	28	5	V	1.5	0	3.59	134
401430235	2011	5	28	6	V	0.6	0	2.86	85
401430235	2011	5	28	7	V	1.2	0	3.25	99
401430235	2011	5	28	8	V	4.0	0	3.69	132
401430235	2011	5	28	9	V	1.3	0	4	138
401430235	2011	5	28	10	V	2.5	0	4.26	162
401430235	2011	5	28	11	V	2.1	0	5.46	179
401430235	2011	5	28	12	V	2.5	0	5.02	183
401430235	2011	5	28	13	V	2.5	0	4.82	178
401430235	2011	5	28	14	V	2.5	0	5.39	172
401430235	2011	5	28	15	V	1.8	0	6.07	169
401430235	2011	5	28	16	V	2.1	0	6.02	176
401430235	2011	5	28	17	V	3.9	0	5.89	184
401430235	2011	5	28	18	V	3.8	0	4.07	169
401430235	2011	5	28	19	V	1.6	0	3.68	167
401430235	2011	5	28	20	V	2.9	0	2.69	152
401430235	2011	5	28	21	V	2.8	0	3.15	144
401430235	2011	5	28	22	V	1.5	0	3	133

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	28	23	V	1.1	0	2.98	148
401430235	2011	5	28	24	V	1.5	0	3.32	152
401430235	2011	5	29	1	V	1.4	0	3.42	153
401430235	2011	5	29	2	V	1.0	0	4.48	161
401430235	2011	5	29	3	V	0.5	0	4.58	166
401430235	2011	5	29	4	V	0.6	0	5.6	171
401430235	2011	5	29	5	V	1.5	0	5.53	175
401430235	2011	5	29	6	V	0.6	0	5.41	176
401430235	2011	5	29	7	V	1.2	0	6.92	177
401430235	2011	5	29	8	V	4.0	0	7.62	176
401430235	2011	5	29	9	V	1.4	0	7.98	179
401430235	2011	5	29	10	V	2.5	0	9.36	179
401430235	2011	5	29	11	V	2.1	0	9.02	182
401430235	2011	5	29	12	V	2.3	0	8.98	179
401430235	2011	5	29	13	V	2.5	0	9.03	180
401430235	2011	5	29	14	V	2.5	0	9.05	179
401430235	2011	5	29	15	V	1.8	0	9.42	176
401430235	2011	5	29	16	V	2.1	0	9.2	172
401430235	2011	5	29	17	V	3.7	0	9.07	174
401430235	2011	5	29	18	V	3.8	0	7.54	170
401430235	2011	5	29	19	V	1.5	0	6.65	167
401430235	2011	5	29	20	V	3.0	0	5.77	167
401430235	2011	5	29	21	V	2.8	0	5.16	165
401430235	2011	5	29	22	V	1.5	0	5	161
401430235	2011	5	29	23	V	1.1	0	5.29	162
401430235	2011	5	29	24	V	1.5	0	5.36	164
401430235	2011	5	30	1	V	1.4	0	4.73	166
401430235	2011	5	30	2	V	1.0	0	5.48	165
401430235	2011	5	30	3	V	0.5	0	7.25	172
401430235	2011	5	30	4	V	0.6	0	6.3	171
401430235	2011	5	30	5	V	1.5	0	5.56	168
401430235	2011	5	30	6	V	0.6	0	6.35	170
401430235	2011	5	30	7	V	1.1	0	7.48	174
401430235	2011	5	30	8	V	4.0	0	6.53	175
401430235	2011	5	30	9	V	1.4	0	7.5	176
401430235	2011	5	30	10	V	2.5	0	7.23	177
401430235	2011	5	30	11	V	2.1	0	9.12	182
401430235	2011	5	30	12	V	2.3	0	8.61	176
401430235	2011	5	30	13	V	2.4	0	9.63	177
401430235	2011	5	30	14	V	2.4	0	9.17	177
401430235	2011	5	30	15	V	1.8	0	9.36	172
401430235	2011	5	30	16	V	2.1	0	8.86	174
401430235	2011	5	30	17	V	3.7	0	8.35	168
401430235	2011	5	30	18	V	3.7	0	7.3	164
401430235	2011	5	30	19	V	1.5	0	6.04	163
401430235	2011	5	30	20	V	3.0	0	4.63	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	5	30	21	V	2.8	0	4.51	166
401430235	2011	5	30	22	V	1.5	0	5.02	161
401430235	2011	5	30	23	V	1.1	0	5.26	160
401430235	2011	5	30	24	V	1.5	0	4.8	170
401430235	2011	5	31	1	V	1.4	0	5.73	169
401430235	2011	5	31	2	V	1.0	0	5.73	174
401430235	2011	5	31	3	V	0.6	0	6.19	186
401430235	2011	5	31	4	V	0.7	0	6.18	187
401430235	2011	5	31	5	V	1.5	0	5.89	181
401430235	2011	5	31	6	V	0.6	0	1.99	230
401430235	2011	5	31	7	V	1.4	0	2.4	179
401430235	2011	5	31	8	V	4.2	0	3.92	183
401430235	2011	5	31	9	V	1.5	0	4.12	181
401430235	2011	5	31	10	V	2.6	0	5.72	200
401430235	2011	5	31	11	V	2.0	0	4.94	207
401430235	2011	5	31	12	V	2.4	0	3.85	219
401430235	2011	5	31	13	V	2.5	0	3.51	217
401430235	2011	5	31	14	V	2.6	0	2.89	220
401430235	2011	5	31	15	V	2.2	0	1.91	233
401430235	2011	5	31	16	V	2.4	0	2.2	180
401430235	2011	5	31	17	V	4.1	0	1.91	191
401430235	2011	5	31	18	V	4.0	0	3.34	180
401430235	2011	5	31	19	V	1.6	0	2.98	169
401430235	2011	5	31	20	V	3.0	0	2.52	155
401430235	2011	5	31	21	V	3.4	0	1.01	173
401430235	2011	5	31	22	V	4.0	0	0.52	10
401430235	2011	5	31	23	V	3.8	0	0.57	191
401430235	2011	5	31	24	V	3.7	0	0.58	248
401430235	2011	6	1	1	V	7.1	0	0.65	278
401430235	2011	6	1	2	V	10.9	0	0.55	346
401430235	2011	6	1	3	V	20.2	0	0.53	299
401430235	2011	6	1	4	C	-999	0	0	0
401430235	2011	6	1	5	V	1.2	0	0.96	62
401430235	2011	6	1	6	V	8.5	0	1.57	88
401430235	2011	6	1	7	V	1.3	0	1.89	129
401430235	2011	6	1	8	V	1.7	0	2.35	140
401430235	2011	6	1	9	V	1.5	0	3.63	165
401430235	2011	6	1	10	V	1.1	0	4.56	171
401430235	2011	6	1	11	V	1.8	0	4.34	175
401430235	2011	6	1	12	V	2.4	0	4.65	172
401430235	2011	6	1	13	V	2.6	0	4.78	171
401430235	2011	6	1	14	V	3.3	0	5.6	178
401430235	2011	6	1	15	V	2.2	0	5.09	172
401430235	2011	6	1	16	V	2.7	0	4.65	165
401430235	2011	6	1	17	V	2.3	0	4.68	162
401430235	2011	6	1	18	V	5.9	0	4.93	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	1	19	V	1.6	0	4.41	163
401430235	2011	6	1	20	V	1.9	0	4	147
401430235	2011	6	1	21	V	1.4	0	3.76	144
401430235	2011	6	1	22	V	1.0	0	2.83	157
401430235	2011	6	1	23	V	0.8	0	3.01	164
401430235	2011	6	1	24	V	2.3	0	2.93	174
401430235	2011	6	2	1	V	5.6	0	3.01	177
401430235	2011	6	2	2	V	2.8	0	1.93	172
401430235	2011	6	2	3	V	6.2	0	0.57	260
401430235	2011	6	2	4	V	1.1	0	1.16	137
401430235	2011	6	2	5	V	0.7	0	3.18	173
401430235	2011	6	2	6	V	8.4	0	2.45	170
401430235	2011	6	2	7	V	1.0	0	3.22	173
401430235	2011	6	2	8	V	1.5	0	3.63	197
401430235	2011	6	2	9	V	1.7	0	4.31	189
401430235	2011	6	2	10	V	1.2	0	4.78	193
401430235	2011	6	2	11	V	1.8	0	4.87	192
401430235	2011	6	2	12	V	2.5	0	5.31	190
401430235	2011	6	2	13	V	2.6	0	6.01	179
401430235	2011	6	2	14	V	3.3	0	7.33	189
401430235	2011	6	2	15	V	2.2	0	6.62	184
401430235	2011	6	2	16	V	2.7	0	6.77	178
401430235	2011	6	2	17	V	2.3	0	6.46	176
401430235	2011	6	2	18	V	6.0	0	4.88	173
401430235	2011	6	2	19	V	1.6	0	3.47	166
401430235	2011	6	2	20	V	1.9	0	3.34	164
401430235	2011	6	2	21	V	1.4	0	3.47	163
401430235	2011	6	2	22	V	1.0	0	3.4	165
401430235	2011	6	2	23	V	0.8	0	3.1	182
401430235	2011	6	2	24	V	2.3	0	2.54	187
401430235	2011	6	3	1	V	6.4	0	0.91	201
401430235	2011	6	3	2	V	3.2	0	1.06	205
401430235	2011	6	3	3	V	4.6	0	1.42	204
401430235	2011	6	3	4	V	1.2	0	1.4	193
401430235	2011	6	3	5	V	0.7	0	2.39	184
401430235	2011	6	3	6	V	8.4	0	3.68	181
401430235	2011	6	3	7	V	1.0	0	5.5	182
401430235	2011	6	3	8	V	1.4	0	5.84	181
401430235	2011	6	3	9	V	1.6	0	5.26	179
401430235	2011	6	3	10	V	1.1	0	5.51	177
401430235	2011	6	3	11	V	1.7	0	6.12	178
401430235	2011	6	3	12	V	2.4	0	6.97	184
401430235	2011	6	3	13	V	2.6	0	6.65	193
401430235	2011	6	3	14	V	3.3	-999	5.9	195
401430235	2011	6	3	15	V	2.3	0	6.99	189
401430235	2011	6	3	16	V	2.7	0	6.99	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	3	17	V	2.4	0	6.36	187
401430235	2011	6	3	18	V	6.1	0	5.36	182
401430235	2011	6	3	19	V	1.8	0	3.8	180
401430235	2011	6	3	20	V	2.0	0	2.54	187
401430235	2011	6	3	21	V	1.6	0	1.93	187
401430235	2011	6	3	22	V	1.1	0	1.6	149
401430235	2011	6	3	23	V	1.2	0	1.25	181
401430235	2011	6	3	24	V	2.8	0	0.96	222
401430235	2011	6	4	1	V	5.6	0	2.33	180
401430235	2011	6	4	2	V	3.1	0	1.23	176
401430235	2011	6	4	3	V	19.9	0	0.52	339
401430235	2011	6	4	4	V	2.1	0	0.65	268
401430235	2011	6	4	5	V	2.1	0	0.63	222
401430235	2011	6	4	6	V	8.6	0	1.28	233
401430235	2011	6	4	7	V	1.2	0	2.84	193
401430235	2011	6	4	8	V	1.4	0	4	200
401430235	2011	6	4	9	V	1.5	0	3.54	221
401430235	2011	6	4	10	V	1.2	0	3.1	224
401430235	2011	6	4	11	V	1.7	0	3.75	218
401430235	2011	6	4	12	V	2.4	0	4.1	214
401430235	2011	6	4	13	V	2.6	0	5.21	204
401430235	2011	6	4	14	V	3.2	0	5.36	207
401430235	2011	6	4	15	V	2.2	0	4.54	212
401430235	2011	6	4	16	V	2.7	0	5	194
401430235	2011	6	4	17	V	2.4	0	4.19	195
401430235	2011	6	4	18	V	6.0	0	4.34	170
401430235	2011	6	4	19	V	1.7	0	3.56	173
401430235	2011	6	4	20	V	2.2	0	1.47	194
401430235	2011	6	4	21	C	-999	0	0	0
401430235	2011	6	4	22	V	1.7	0	0.8	245
401430235	2011	6	4	23	V	1.3	0	0.84	240
401430235	2011	6	4	24	V	3.4	0	0.67	252
401430235	2011	6	5	1	V	7.6	0	0.57	256
401430235	2011	6	5	2	V	5.6	0	0.75	290
401430235	2011	6	5	3	V	6.1	0	0.58	250
401430235	2011	6	5	4	V	2.3	0	0.62	258
401430235	2011	6	5	5	V	26.5	0	0.63	306
401430235	2011	6	5	6	C	-999	0	0	0
401430235	2011	6	5	7	V	7.0	0	0.62	247
401430235	2011	6	5	8	V	1.8	0	2.37	192
401430235	2011	6	5	9	V	1.6	0	3.49	199
401430235	2011	6	5	10	V	1.1	0	3.46	220
401430235	2011	6	5	11	V	1.8	0	2.96	219
401430235	2011	6	5	12	V	2.4	0	3.75	213
401430235	2011	6	5	13	V	2.6	0	4.31	217
401430235	2011	6	5	14	V	3.2	0	3.76	218

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	5	15	V	2.2	0	3	234
401430235	2011	6	5	16	V	2.7	0	3.13	214
401430235	2011	6	5	17	V	2.4	0	2.62	227
401430235	2011	6	5	18	V	6.1	0	3.01	196
401430235	2011	6	5	19	V	1.7	0	3.24	174
401430235	2011	6	5	20	V	1.9	0	2.71	171
401430235	2011	6	5	21	V	1.4	0	2.33	178
401430235	2011	6	5	22	V	1.7	0	1.14	192
401430235	2011	6	5	23	V	1.5	0	1.03	217
401430235	2011	6	5	24	V	2.3	0	2.37	196
401430235	2011	6	6	1	V	5.6	0	2.47	194
401430235	2011	6	6	2	V	3.0	0	1.23	203
401430235	2011	6	6	3	V	5.9	0	0.62	219
401430235	2011	6	6	4	V	1.7	0	1.01	193
401430235	2011	6	6	5	C	-999	0	0	0
401430235	2011	6	6	6	V	9.3	0	0.86	205
401430235	2011	6	6	7	V	1.7	0	1.64	186
401430235	2011	6	6	8	V	1.6	0	2.86	186
401430235	2011	6	6	9	V	1.7	0	3.23	187
401430235	2011	6	6	10	V	1.3	0	3.06	202
401430235	2011	6	6	11	V	1.8	0	3.93	185
401430235	2011	6	6	12	V	2.5	0	4.61	190
401430235	2011	6	6	13	V	2.7	0	4.24	178
401430235	2011	6	6	14	V	3.3	0	4.34	173
401430235	2011	6	6	15	V	2.3	0	4.54	172
401430235	2011	6	6	16	V	2.7	0	5.24	169
401430235	2011	6	6	17	V	2.3	0	5.14	162
401430235	2011	6	6	18	V	5.9	0	5.16	155
401430235	2011	6	6	19	V	1.6	0	4.27	162
401430235	2011	6	6	20	V	1.9	0	3.46	164
401430235	2011	6	6	21	V	1.4	0	3.27	168
401430235	2011	6	6	22	V	1.0	0	2.47	170
401430235	2011	6	6	23	V	1.0	0	1.57	177
401430235	2011	6	6	24	V	2.9	0	0.97	169
401430235	2011	6	7	1	V	5.8	0	1.43	169
401430235	2011	6	7	2	C	-999	0	0	0
401430235	2011	6	7	3	C	-999	0	0	0
401430235	2011	6	7	4	V	2.9	0	0.55	221
401430235	2011	6	7	5	V	1.2	0	1.38	188
401430235	2011	6	7	6	V	9.0	0	1.31	189
401430235	2011	6	7	7	V	2.1	0	1.45	206
401430235	2011	6	7	8	V	1.5	0	3.63	182
401430235	2011	6	7	9	V	1.5	0	5.67	176
401430235	2011	6	7	10	V	1.1	0	6.41	174
401430235	2011	6	7	11	V	1.8	0	6.57	184
401430235	2011	6	7	12	V	2.4	0	6.36	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	7	13	V	2.6	0	6.46	182
401430235	2011	6	7	14	V	3.2	0	6.43	174
401430235	2011	6	7	15	V	2.2	0	6.91	171
401430235	2011	6	7	16	V	2.7	0	6.55	176
401430235	2011	6	7	17	V	2.3	0	6.86	173
401430235	2011	6	7	18	V	5.9	0	5.95	171
401430235	2011	6	7	19	V	1.6	0	4.51	165
401430235	2011	6	7	20	V	1.9	0	3.63	167
401430235	2011	6	7	21	V	1.4	0	3.7	168
401430235	2011	6	7	22	V	1.0	0	4.25	167
401430235	2011	6	7	23	V	0.8	0	4.46	167
401430235	2011	6	7	24	V	2.3	0	3.95	172
401430235	2011	6	8	1	V	5.6	0	3.76	171
401430235	2011	6	8	2	V	2.7	0	3.1	170
401430235	2011	6	8	3	V	4.4	0	2.05	160
401430235	2011	6	8	4	V	0.9	0	1.82	169
401430235	2011	6	8	5	V	0.8	0	1.55	159
401430235	2011	6	8	6	V	8.4	0	2.16	160
401430235	2011	6	8	7	V	1.2	0	2.5	166
401430235	2011	6	8	8	V	1.5	0	3.93	180
401430235	2011	6	8	9	V	1.6	0	4.93	180
401430235	2011	6	8	10	V	1.2	0	6.12	183
401430235	2011	6	8	11	V	1.7	0	6.04	177
401430235	2011	6	8	12	V	2.4	0	6.74	182
401430235	2011	6	8	13	V	2.6	0	7.37	181
401430235	2011	6	8	14	V	3.2	0	7.2	175
401430235	2011	6	8	15	V	2.2	0	7.31	173
401430235	2011	6	8	16	V	2.6	0	7.77	170
401430235	2011	6	8	17	V	2.3	0	7.79	172
401430235	2011	6	8	18	V	5.9	0	7.03	171
401430235	2011	6	8	19	V	1.6	0	6.4	172
401430235	2011	6	8	20	V	1.9	0	4.97	171
401430235	2011	6	8	21	V	1.4	0	4	166
401430235	2011	6	8	22	V	1.0	0	4.22	165
401430235	2011	6	8	23	V	0.8	0	4.31	169
401430235	2011	6	8	24	V	2.3	0	4.53	168
401430235	2011	6	9	1	V	5.6	0	3.44	161
401430235	2011	6	9	2	V	2.7	0	3.23	154
401430235	2011	6	9	3	V	4.4	0	2.54	187
401430235	2011	6	9	4	V	0.8	0	2.95	171
401430235	2011	6	9	5	V	0.7	0	2.4	169
401430235	2011	6	9	6	V	8.4	0	2.1	171
401430235	2011	6	9	7	V	1.1	0	2.78	172
401430235	2011	6	9	8	V	1.4	0	4.68	172
401430235	2011	6	9	9	V	1.6	0	6.19	181
401430235	2011	6	9	10	V	1.2	0	6.96	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	9	11	V	1.8	0	7.48	186
401430235	2011	6	9	12	V	2.4	0	7.93	186
401430235	2011	6	9	13	V	2.5	0	7.72	172
401430235	2011	6	9	14	V	3.2	0	7.84	176
401430235	2011	6	9	15	V	2.2	0	7.42	174
401430235	2011	6	9	16	V	2.6	0	7.91	169
401430235	2011	6	9	17	V	2.2	0	7.89	169
401430235	2011	6	9	18	V	5.9	0	7.55	170
401430235	2011	6	9	19	V	1.6	0	5.85	168
401430235	2011	6	9	20	V	1.9	0	3.86	165
401430235	2011	6	9	21	V	1.4	0	3.13	167
401430235	2011	6	9	22	V	1.1	0	2.32	188
401430235	2011	6	9	23	V	0.8	0	2.5	174
401430235	2011	6	9	24	V	2.3	0	1.94	164
401430235	2011	6	10	1	V	5.6	0	2.59	67
401430235	2011	6	10	2	V	2.7	0	3.49	133
401430235	2011	6	10	3	V	4.5	0	3.03	199
401430235	2011	6	10	4	V	0.8	0	1.86	246
401430235	2011	6	10	5	V	1.3	0	1.16	197
401430235	2011	6	10	6	V	8.6	0	1.74	197
401430235	2011	6	10	7	V	1.5	0	1.99	198
401430235	2011	6	10	8	V	1.3	0	5.96	205
401430235	2011	6	10	9	V	1.5	0	7.96	198
401430235	2011	6	10	10	C	-999	0	0	0
401430235	2011	6	10	11	C	-999	0	0	0
401430235	2011	6	10	12	V	2.4	0	4.86	200
401430235	2011	6	10	13	V	2.6	0	4.86	172
401430235	2011	6	10	14	V	3.2	0	7.96	177
401430235	2011	6	10	15	V	2.3	0	5.96	191
401430235	2011	6	10	16	V	2.6	0	5.36	169
401430235	2011	6	10	17	V	2.4	0	4.86	181
401430235	2011	6	10	18	V	6.0	0	4.36	179
401430235	2011	6	10	19	V	1.7	0	4.36	176
401430235	2011	6	10	20	V	2.0	0	4.86	175
401430235	2011	6	10	21	V	1.5	0	4.86	197
401430235	2011	6	10	22	V	1.1	0	3.86	190
401430235	2011	6	10	23	V	0.9	0	1.76	352
401430235	2011	6	10	24	V	2.3	0	1.76	260
401430235	2011	6	11	1	C	-999	1	0	0
401430235	2011	6	11	2	V	2.8	0	2.36	242
401430235	2011	6	11	3	V	4.4	0	1.76	1
401430235	2011	6	11	4	V	0.8	0	2.86	76
401430235	2011	6	11	5	C	-999	0	0	0
401430235	2011	6	11	6	V	8.5	0	3.86	11
401430235	2011	6	11	7	V	0.9	0	4.36	6
401430235	2011	6	11	8	V	1.7	0	2.36	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	11	9	M	-999	0	2.36	999
401430235	2011	6	11	10	V	1.2	0	2.86	8
401430235	2011	6	11	11	M	-999	0	2.86	999
401430235	2011	6	11	12	V	3.0	0	1.76	43
401430235	2011	6	11	13	V	3.8	0	2.86	349
401430235	2011	6	11	14	V	3.8	0	2.36	2
401430235	2011	6	11	15	M	-999	0	1.76	999
401430235	2011	6	11	16	M	-999	0	1.76	999
401430235	2011	6	11	17	V	2.6	0	1.76	252
401430235	2011	6	11	18	C	-999	0	0	0
401430235	2011	6	11	19	V	1.6	0	2.86	71
401430235	2011	6	11	20	V	2.6	0	6.46	49
401430235	2011	6	11	21	V	1.4	0	3.36	118
401430235	2011	6	11	22	V	1.0	0	3.36	140
401430235	2011	6	11	23	V	0.8	0	1.76	175
401430235	2011	6	11	24	V	2.3	0	4.36	120
401430235	2011	6	12	1	V	5.6	0	2.36	142
401430235	2011	6	12	2	V	9.6	0	4.86	298
401430235	2011	6	12	3	V	6.8	0	3.86	348
401430235	2011	6	12	4	V	0.8	0	2.36	206
401430235	2011	6	12	5	V	1.0	0	4.36	282
401430235	2011	6	12	6	V	8.6	0	2.86	244
401430235	2011	6	12	7	V	1.1	0	3.36	178
401430235	2011	6	12	8	V	1.5	0	2.86	20
401430235	2011	6	12	9	V	1.7	0	2.36	100
401430235	2011	6	12	10	V	1.1	0	3.36	154
401430235	2011	6	12	11	V	2.3	0	1.76	161
401430235	2011	6	12	12	V	2.4	0	3.86	150
401430235	2011	6	12	13	M	-999	0	3.36	999
401430235	2011	6	12	14	V	3.2	0	4.36	135
401430235	2011	6	12	15	V	2.2	0	6.46	181
401430235	2011	6	12	16	V	2.6	0	6.96	162
401430235	2011	6	12	17	V	2.2	0	5.96	149
401430235	2011	6	12	18	V	5.9	0	5.36	154
401430235	2011	6	12	19	V	1.6	0	3.86	144
401430235	2011	6	12	20	V	1.9	0	3.44	139
401430235	2011	6	12	21	V	1.5	0	3.22	139
401430235	2011	6	12	22	V	1.0	0	3.51	132
401430235	2011	6	12	23	V	0.8	0	3.46	134
401430235	2011	6	12	24	V	2.3	0	3.52	144
401430235	2011	6	13	1	V	5.6	0	3.98	156
401430235	2011	6	13	2	V	2.7	0	3.81	156
401430235	2011	6	13	3	V	4.4	0	2.89	163
401430235	2011	6	13	4	V	0.8	0	3.56	168
401430235	2011	6	13	5	V	0.7	0	3.88	169
401430235	2011	6	13	6	V	8.4	0	3.97	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	13	7	V	0.9	0	3.88	168
401430235	2011	6	13	8	V	1.4	0	4.36	174
401430235	2011	6	13	9	V	1.5	0	6.11	179
401430235	2011	6	13	10	V	1.2	0	6.24	183
401430235	2011	6	13	11	V	1.8	-999	6.86	187
401430235	2011	6	13	12	V	2.4	-999	6.99	193
401430235	2011	6	13	13	V	2.6	0	8.23	193
401430235	2011	6	13	14	V	3.2	0	8.22	196
401430235	2011	6	13	15	V	2.2	0	7.81	188
401430235	2011	6	13	16	V	2.7	0	7.57	186
401430235	2011	6	13	17	V	2.3	0	6.57	178
401430235	2011	6	13	18	V	5.9	0	6.01	172
401430235	2011	6	13	19	V	1.6	0	4.49	166
401430235	2011	6	13	20	V	1.9	0	4.31	157
401430235	2011	6	13	21	V	1.4	0	5.19	161
401430235	2011	6	13	22	V	1.0	0	5.31	162
401430235	2011	6	13	23	V	0.8	0	4.44	165
401430235	2011	6	13	24	V	2.3	0	4.83	167
401430235	2011	6	14	1	V	5.6	0	4.53	166
401430235	2011	6	14	2	V	2.7	0	3.51	169
401430235	2011	6	14	3	V	4.4	0	4.2	175
401430235	2011	6	14	4	V	0.8	0	3	182
401430235	2011	6	14	5	V	1.0	0	1.08	163
401430235	2011	6	14	6	V	8.5	0	3.42	181
401430235	2011	6	14	7	V	1.1	0	5.05	192
401430235	2011	6	14	8	V	1.4	0	5.5	198
401430235	2011	6	14	9	V	1.6	0	5.77	193
401430235	2011	6	14	10	V	1.2	0	5.28	183
401430235	2011	6	14	11	V	1.8	0	4.1	186
401430235	2011	6	14	12	V	2.4	0	6.41	203
401430235	2011	6	14	13	V	2.6	0	6.18	196
401430235	2011	6	14	14	V	3.3	0	6.21	189
401430235	2011	6	14	15	V	2.2	0	5.58	180
401430235	2011	6	14	16	V	2.8	0	3.18	168
401430235	2011	6	14	17	V	2.3	0	3.66	158
401430235	2011	6	14	18	V	6.0	0	3.27	162
401430235	2011	6	14	19	V	1.6	0	3.68	156
401430235	2011	6	14	20	V	1.9	0	3.76	167
401430235	2011	6	14	21	V	1.5	0	3.71	198
401430235	2011	6	14	22	V	1.4	0	4.7	215
401430235	2011	6	14	23	V	0.9	0	1.5	227
401430235	2011	6	14	24	V	38.1	0	1.11	323
401430235	2011	6	15	1	V	6.0	0	0.79	256
401430235	2011	6	15	2	V	3.0	0	1.45	211
401430235	2011	6	15	3	V	4.7	0	1.13	271
401430235	2011	6	15	4	V	39.1	0	1.08	326

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	15	5	V	1.2	1	0.89	250
401430235	2011	6	15	6	V	9.3	1	0.69	234
401430235	2011	6	15	7	V	3.1	1	0.91	236
401430235	2011	6	15	8	V	2.8	0	1.48	15
401430235	2011	6	15	9	V	4.3	0	1.43	352
401430235	2011	6	15	10	V	1.6	0	2.61	360
401430235	2011	6	15	11	V	1.8	0	3.25	18
401430235	2011	6	15	12	V	2.6	0	3.41	26
401430235	2011	6	15	13	V	3.0	0	2.35	45
401430235	2011	6	15	14	V	3.6	0	1.81	53
401430235	2011	6	15	15	V	2.6	0	2.1	77
401430235	2011	6	15	16	V	2.8	0	3.03	130
401430235	2011	6	15	17	V	2.4	1	3.08	116
401430235	2011	6	15	18	V	6.0	1	3	142
401430235	2011	6	15	19	V	1.6	0	3.18	116
401430235	2011	6	15	20	V	1.9	0	2.54	118
401430235	2011	6	15	21	V	2.8	0	0.53	93
401430235	2011	6	15	22	C	-999	0	0	0
401430235	2011	6	15	23	V	2.1	0	0.63	250
401430235	2011	6	15	24	V	3.0	0	0.79	258
401430235	2011	6	16	1	V	8.0	0	0.53	249
401430235	2011	6	16	2	V	3.3	0	0.8	238
401430235	2011	6	16	3	V	4.5	0	1.52	163
401430235	2011	6	16	4	V	1.0	0	2.36	210
401430235	2011	6	16	5	C	-999	0	0	0
401430235	2011	6	16	6	C	-999	0	0	0
401430235	2011	6	16	7	V	1.0	-999	2.86	139
401430235	2011	6	16	8	V	1.3	-999	4.36	107
401430235	2011	6	16	9	V	1.6	-999	2.86	155
401430235	2011	6	16	10	V	1.1	-999	5.96	169
401430235	2011	6	16	11	M	-999	-999	999	999
401430235	2011	6	16	12	M	-999	-999	999	999
401430235	2011	6	16	13	V	2.6	-999	4.78	155
401430235	2011	6	16	14	V	3.2	0	4.92	109
401430235	2011	6	16	15	V	2.1	0	8.71	28
401430235	2011	6	16	16	V	2.5	0	7.48	81
401430235	2011	6	16	17	V	2.2	0	7.52	85
401430235	2011	6	16	18	V	5.8	0	8.15	125
401430235	2011	6	16	19	V	1.5	0	6.55	149
401430235	2011	6	16	20	V	1.9	0	4.41	154
401430235	2011	6	16	21	V	1.4	0	3.74	168
401430235	2011	6	16	22	V	1.0	0	2.69	158
401430235	2011	6	16	23	V	0.8	0	3.39	148
401430235	2011	6	16	24	V	2.3	0	2.84	161
401430235	2011	6	17	1	V	5.6	0	3.15	149
401430235	2011	6	17	2	V	2.8	0	3.37	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	17	3	V	4.5	0	4.42	30
401430235	2011	6	17	4	V	0.8	0	3.56	103
401430235	2011	6	17	5	V	0.7	0	4.46	124
401430235	2011	6	17	6	V	8.4	0	4.58	147
401430235	2011	6	17	7	V	0.9	0	5.6	167
401430235	2011	6	17	8	V	1.3	0	6.58	172
401430235	2011	6	17	9	V	1.6	0	8.28	183
401430235	2011	6	17	10	V	1.2	0	7.67	187
401430235	2011	6	17	11	V	1.8	0	5.48	183
401430235	2011	6	17	12	V	2.4	0	6.28	180
401430235	2011	6	17	13	V	2.6	0	6.58	174
401430235	2011	6	17	14	V	3.2	0	7.11	178
401430235	2011	6	17	15	V	2.2	0	7.42	178
401430235	2011	6	17	16	V	2.7	0	7.08	181
401430235	2011	6	17	17	V	2.3	0	7.23	178
401430235	2011	6	17	18	V	5.9	0	5.9	169
401430235	2011	6	17	19	V	1.6	0	4.54	159
401430235	2011	6	17	20	V	1.9	0	4.02	160
401430235	2011	6	17	21	V	1.4	0	3.71	162
401430235	2011	6	17	22	V	1.0	0	3.39	163
401430235	2011	6	17	23	V	0.8	0	2.49	152
401430235	2011	6	17	24	V	2.3	0	2.73	160
401430235	2011	6	18	1	V	5.6	0	2.16	166
401430235	2011	6	18	2	V	2.7	0	2.98	173
401430235	2011	6	18	3	V	4.4	0	2.78	175
401430235	2011	6	18	4	V	0.9	0	4.37	185
401430235	2011	6	18	5	V	0.9	0	5.85	187
401430235	2011	6	18	6	V	8.5	0	3.85	194
401430235	2011	6	18	7	V	1.2	0	2.76	203
401430235	2011	6	18	8	V	1.5	0	4.37	185
401430235	2011	6	18	9	V	1.6	0	5.6	189
401430235	2011	6	18	10	V	1.1	0	6.21	198
401430235	2011	6	18	11	V	1.8	0	4.99	200
401430235	2011	6	18	12	V	2.5	0	4.43	197
401430235	2011	6	18	13	V	2.7	0	4.78	182
401430235	2011	6	18	14	V	3.3	0	5.21	192
401430235	2011	6	18	15	V	2.2	0	4.92	178
401430235	2011	6	18	16	V	2.6	0	5.58	167
401430235	2011	6	18	17	V	2.2	0	5.36	161
401430235	2011	6	18	18	V	5.9	0	5.87	169
401430235	2011	6	18	19	V	1.6	0	5.26	157
401430235	2011	6	18	20	V	1.9	0	3.86	158
401430235	2011	6	18	21	V	1.4	0	4.46	162
401430235	2011	6	18	22	V	1.0	0	2.54	163
401430235	2011	6	18	23	V	1.0	0	1.67	184
401430235	2011	6	18	24	V	3.0	0	0.77	268

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	19	1	V	7.9	0	0.62	283
401430235	2011	6	19	2	V	46.5	1	0.92	314
401430235	2011	6	19	3	V	4.5	0	1.84	206
401430235	2011	6	19	4	V	2.6	0	0.57	241
401430235	2011	6	19	5	V	2.0	0	0.63	260
401430235	2011	6	19	6	V	8.7	0	1.14	154
401430235	2011	6	19	7	V	1.2	0	2.33	154
401430235	2011	6	19	8	V	1.4	0	3.47	158
401430235	2011	6	19	9	V	1.5	0	4.92	169
401430235	2011	6	19	10	V	1.1	0	4.36	168
401430235	2011	6	19	11	V	1.6	0	6.6	170
401430235	2011	6	19	12	V	2.3	0	7.09	172
401430235	2011	6	19	13	V	2.5	0	6.62	166
401430235	2011	6	19	14	V	3.2	0	7.3	174
401430235	2011	6	19	15	V	2.1	0	7.18	171
401430235	2011	6	19	16	V	2.6	0	7.64	174
401430235	2011	6	19	17	V	2.4	0	7.77	184
401430235	2011	6	19	18	V	6.0	0	5.92	179
401430235	2011	6	19	19	V	1.6	0	5.33	171
401430235	2011	6	19	20	V	2.0	1	5.43	171
401430235	2011	6	19	21	V	1.4	0	4.7	164
401430235	2011	6	19	22	V	1.1	1	6.09	171
401430235	2011	6	19	23	V	0.8	0	6.53	170
401430235	2011	6	19	24	V	2.3	1	6.01	171
401430235	2011	6	20	1	V	5.8	1	8.13	181
401430235	2011	6	20	2	V	2.9	1	8.11	182
401430235	2011	6	20	3	V	4.6	1	7.18	181
401430235	2011	6	20	4	V	1.1	1	7.94	185
401430235	2011	6	20	5	V	1.0	1	7.79	187
401430235	2011	6	20	6	V	8.6	1	8.15	182
401430235	2011	6	20	7	V	1.0	0	7.77	182
401430235	2011	6	20	8	V	1.5	0	8.23	186
401430235	2011	6	20	9	M	-999	0	9.08	188
401430235	2011	6	20	10	M	-999	0	9.1	187
401430235	2011	6	20	11	M	-999	0	9.09	193
401430235	2011	6	20	12	M	-999	0	9.44	189
401430235	2011	6	20	13	M	-999	-999	9.12	189
401430235	2011	6	20	14	M	-999	-999	8.95	186
401430235	2011	6	20	15	M	-999	0	9	189
401430235	2011	6	20	16	M	-999	0	7.62	180
401430235	2011	6	20	17	M	-999	0	7.76	177
401430235	2011	6	20	18	M	-999	0	7.79	180
401430235	2011	6	20	19	M	-999	0	7.31	174
401430235	2011	6	20	20	V	2.0	0	7.6	173
401430235	2011	6	20	21	V	1.5	0	6.47	171
401430235	2011	6	20	22	V	1.1	1	4.31	203

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	20	23	V	0.9	1	3.47	205
401430235	2011	6	20	24	V	2.7	0	1.45	220
401430235	2011	6	21	1	V	5.8	0	1.14	228
401430235	2011	6	21	2	V	2.8	0	1.54	237
401430235	2011	6	21	3	V	5.1	0	1.74	215
401430235	2011	6	21	4	V	1.1	0	1.23	224
401430235	2011	6	21	5	V	0.8	0	1.33	260
401430235	2011	6	21	6	V	8.5	0	2.54	255
401430235	2011	6	21	7	V	1.0	-999	2.37	231
401430235	2011	6	21	8	V	1.4	0	2.95	232
401430235	2011	6	21	9	V	1.4	0	4.07	239
401430235	2011	6	21	10	V	1.0	0	4.54	232
401430235	2011	6	21	11	V	1.6	0	5.29	247
401430235	2011	6	21	12	V	2.3	0	4.83	248
401430235	2011	6	21	13	V	2.5	0	4.39	252
401430235	2011	6	21	14	V	3.2	0	3.71	268
401430235	2011	6	21	15	V	2.2	0	3.34	253
401430235	2011	6	21	16	V	2.7	0	3.08	267
401430235	2011	6	21	17	V	2.3	1	3.18	258
401430235	2011	6	21	18	V	6.0	0	2.56	244
401430235	2011	6	21	19	V	1.8	0	1.82	221
401430235	2011	6	21	20	V	2.3	1	0.82	235
401430235	2011	6	21	21	V	1.6	1	1.28	260
401430235	2011	6	21	22	C	-999	1	0	0
401430235	2011	6	21	23	V	15.1	1	0.74	301
401430235	2011	6	21	24	V	2.8	1	0.86	237
401430235	2011	6	22	1	V	6.4	1	0.75	245
401430235	2011	6	22	2	V	3.1	1	0.99	248
401430235	2011	6	22	3	V	17.4	1	0.74	340
401430235	2011	6	22	4	V	1.6	1	0.74	254
401430235	2011	6	22	5	V	6.8	1	0.6	291
401430235	2011	6	22	6	V	10.4	1	0.55	229
401430235	2011	6	22	7	V	2.4	1	1.09	204
401430235	2011	6	22	8	V	6.5	4	0.87	199
401430235	2011	6	22	9	V	4.0	20	0.69	233
401430235	2011	6	22	10	V	1.6	3	1.62	253
401430235	2011	6	22	11	V	2.0	1	1.98	255
401430235	2011	6	22	12	V	2.8	1	2.33	271
401430235	2011	6	22	13	V	3.2	1	2.62	277
401430235	2011	6	22	14	V	3.3	1	2.78	259
401430235	2011	6	22	15	V	2.3	1	3.08	263
401430235	2011	6	22	16	V	3.0	1	2.54	267
401430235	2011	6	22	17	V	2.9	2	2.49	273
401430235	2011	6	22	18	V	6.1	1	2.33	245
401430235	2011	6	22	19	V	1.8	1	1.86	224
401430235	2011	6	22	20	V	2.6	1	1.26	217

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	22	21	V	2.3	1	0.69	249
401430235	2011	6	22	22	V	1.9	1	0.72	236
401430235	2011	6	22	23	V	4.8	1	1.04	297
401430235	2011	6	22	24	V	2.7	1	0.94	276
401430235	2011	6	23	1	V	5.9	1	1.09	267
401430235	2011	6	23	2	V	3.8	1	0.67	263
401430235	2011	6	23	3	C	-999	1	0	0
401430235	2011	6	23	4	V	1.5	1	0.75	233
401430235	2011	6	23	5	V	2.2	1	0.62	262
401430235	2011	6	23	6	C	-999	2	0	0
401430235	2011	6	23	7	V	7.9	2	0.57	210
401430235	2011	6	23	8	V	3.0	1	1.21	199
401430235	2011	6	23	9	V	1.8	1	2.11	132
401430235	2011	6	23	10	V	2.3	2	1.42	167
401430235	2011	6	23	11	V	2.5	3	1.44	228
401430235	2011	6	23	12	V	2.9	3	1.57	228
401430235	2011	6	23	13	V	3.2	1	1.59	202
401430235	2011	6	23	14	V	3.7	1	1.6	223
401430235	2011	6	23	15	V	2.6	1	1.54	340
401430235	2011	6	23	16	V	3.1	1	1.69	358
401430235	2011	6	23	17	V	2.7	1	3.29	43
401430235	2011	6	23	18	V	6.3	1	4.58	42
401430235	2011	6	23	19	V	2.0	1	4.73	44
401430235	2011	6	23	20	V	2.0	1	3.05	80
401430235	2011	6	23	21	V	1.4	1	2.49	94
401430235	2011	6	23	22	V	1.4	0	1.08	67
401430235	2011	6	23	23	V	0.8	0	2.47	109
401430235	2011	6	23	24	V	8.1	1	1.43	40
401430235	2011	6	24	1	V	5.7	0	2.52	360
401430235	2011	6	24	2	V	2.8	0	1.52	11
401430235	2011	6	24	3	V	4.9	0	1.33	32
401430235	2011	6	24	4	V	1.1	0	1.2	149
401430235	2011	6	24	5	C	-999	0	0	0
401430235	2011	6	24	6	V	9.7	0	0.63	251
401430235	2011	6	24	7	V	1.8	0	1.59	203
401430235	2011	6	24	8	V	1.5	0	3.56	181
401430235	2011	6	24	9	V	1.6	0	4.24	185
401430235	2011	6	24	10	V	1.2	0	4.58	188
401430235	2011	6	24	11	V	1.8	0	5.09	185
401430235	2011	6	24	12	V	2.5	0	4.17	179
401430235	2011	6	24	13	V	2.6	0	5.21	180
401430235	2011	6	24	14	V	3.2	0	6.07	177
401430235	2011	6	24	15	V	2.2	0	6.24	178
401430235	2011	6	24	16	V	2.6	0	6.14	169
401430235	2011	6	24	17	V	2.3	0	6.35	176
401430235	2011	6	24	18	V	5.9	0	6.69	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	24	19	V	1.7	0	4.25	177
401430235	2011	6	24	20	V	2.0	0	2.66	180
401430235	2011	6	24	21	V	1.5	1	3.95	180
401430235	2011	6	24	22	V	1.0	0	4.03	178
401430235	2011	6	24	23	V	0.8	0	3.81	170
401430235	2011	6	24	24	V	2.3	0	2.25	159
401430235	2011	6	25	1	V	5.6	0	3.08	163
401430235	2011	6	25	2	V	2.7	0	2.4	167
401430235	2011	6	25	3	V	4.4	0	2.74	157
401430235	2011	6	25	4	V	0.8	0	3.17	160
401430235	2011	6	25	5	V	0.7	0	5.05	173
401430235	2011	6	25	6	V	8.4	0	4.24	174
401430235	2011	6	25	7	V	0.9	0	5.31	174
401430235	2011	6	25	8	V	1.4	0	6.79	181
401430235	2011	6	25	9	V	1.6	0	7.96	185
401430235	2011	6	25	10	V	1.2	0	8.67	184
401430235	2011	6	25	11	V	1.8	0	8.08	184
401430235	2011	6	25	12	V	2.4	0	8.54	184
401430235	2011	6	25	13	V	2.6	0	7.99	185
401430235	2011	6	25	14	V	3.3	0	7.71	186
401430235	2011	6	25	15	V	2.2	0	7.18	181
401430235	2011	6	25	16	V	2.7	0	6.84	193
401430235	2011	6	25	17	V	2.4	1	7.59	196
401430235	2011	6	25	18	V	6.0	0	6.69	195
401430235	2011	6	25	19	V	1.8	0	5.7	183
401430235	2011	6	25	20	V	2.0	0	5.01	173
401430235	2011	6	25	21	V	1.4	0	4.53	167
401430235	2011	6	25	22	V	1.0	0	4.65	164
401430235	2011	6	25	23	V	0.8	0	4.27	165
401430235	2011	6	25	24	V	2.3	0	4.56	168
401430235	2011	6	26	1	V	5.6	0	3.93	170
401430235	2011	6	26	2	V	2.7	0	3.47	167
401430235	2011	6	26	3	V	4.4	0	2.81	168
401430235	2011	6	26	4	V	0.8	0	2.95	168
401430235	2011	6	26	5	V	0.7	0	3.34	168
401430235	2011	6	26	6	V	8.4	0	3.32	167
401430235	2011	6	26	7	V	0.9	0	4.97	172
401430235	2011	6	26	8	V	1.4	0	6.52	176
401430235	2011	6	26	9	V	1.5	0	7.28	181
401430235	2011	6	26	10	V	1.2	0	7.83	183
401430235	2011	6	26	11	V	1.7	0	7.71	179
401430235	2011	6	26	12	V	2.4	0	7.32	175
401430235	2011	6	26	13	V	2.6	0	7.59	175
401430235	2011	6	26	14	V	3.2	0	8.33	175
401430235	2011	6	26	15	V	2.2	1	7.93	179
401430235	2011	6	26	16	V	2.7	0	7.74	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	26	17	V	2.4	1	7.79	193
401430235	2011	6	26	18	V	6.1	1	7.5	189
401430235	2011	6	26	19	V	1.8	1	6.24	186
401430235	2011	6	26	20	V	1.9	1	4.63	176
401430235	2011	6	26	21	V	1.4	1	4.65	169
401430235	2011	6	26	22	V	1.1	0	6.09	170
401430235	2011	6	26	23	V	0.8	0	7.2	176
401430235	2011	6	26	24	V	2.5	0	7.57	181
401430235	2011	6	27	1	V	5.7	0	6.55	179
401430235	2011	6	27	2	V	2.9	0	6.67	187
401430235	2011	6	27	3	V	4.6	0	6.55	186
401430235	2011	6	27	4	V	1.1	0	6.99	191
401430235	2011	6	27	5	V	1.0	0	6.7	192
401430235	2011	6	27	6	V	8.6	0	6.06	193
401430235	2011	6	27	7	V	1.1	0	6.19	192
401430235	2011	6	27	8	V	1.3	0	6.4	204
401430235	2011	6	27	9	V	1.6	0	4.24	206
401430235	2011	6	27	10	V	1.2	0	5.21	190
401430235	2011	6	27	11	V	1.8	0	5.73	189
401430235	2011	6	27	12	V	2.5	-999	6.02	192
401430235	2011	6	27	13	V	2.6	-999	6.09	197
401430235	2011	6	27	14	V	3.2	-999	5.55	201
401430235	2011	6	27	15	V	2.2	-999	4.83	207
401430235	2011	6	27	16	V	2.6	-999	3.37	253
401430235	2011	6	27	17	V	2.5	-999	2.47	271
401430235	2011	6	27	18	V	9.1	-999	2.1	301
401430235	2011	6	27	19	V	1.5	-999	7.3	9
401430235	2011	6	27	20	V	2.0	-999	6.82	12
401430235	2011	6	27	21	V	1.5	-999	6.26	14
401430235	2011	6	27	22	V	1.1	-999	3.85	8
401430235	2011	6	27	23	V	0.9	-999	4.12	13
401430235	2011	6	27	24	V	2.4	-999	4.73	18
401430235	2011	6	28	1	V	5.8	-999	5.67	26
401430235	2011	6	28	2	V	2.9	-999	4.87	28
401430235	2011	6	28	3	V	4.5	-999	3.3	18
401430235	2011	6	28	4	V	0.9	-999	2.74	10
401430235	2011	6	28	5	V	0.8	-999	3.08	10
401430235	2011	6	28	6	V	8.5	-999	3.03	7
401430235	2011	6	28	7	V	0.9	-999	4.36	21
401430235	2011	6	28	8	V	1.3	-999	3.39	9
401430235	2011	6	28	9	V	2.1	-999	2.64	290
401430235	2011	6	28	10	V	3.5	-999	3.42	35
401430235	2011	6	28	11	V	1.6	-999	5.79	17
401430235	2011	6	28	12	V	2.3	-999	7.26	28
401430235	2011	6	28	13	V	2.6	-999	3.9	17
401430235	2011	6	28	14	V	3.8	-999	2.35	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	28	15	V	2.5	0	2.2	71
401430235	2011	6	28	16	V	2.7	0	2.98	99
401430235	2011	6	28	17	V	2.3	0	3.29	96
401430235	2011	6	28	18	V	5.9	0	4	147
401430235	2011	6	28	19	V	1.6	0	4.03	123
401430235	2011	6	28	20	V	2.0	0	2.88	109
401430235	2011	6	28	21	V	1.6	0	1.28	105
401430235	2011	6	28	22	V	1.0	0	2.28	132
401430235	2011	6	28	23	V	0.8	0	2.44	168
401430235	2011	6	28	24	V	2.3	0	1.98	161
401430235	2011	6	29	1	V	5.6	0	2.2	164
401430235	2011	6	29	2	V	2.7	0	2.25	148
401430235	2011	6	29	3	V	4.5	0	1.93	167
401430235	2011	6	29	4	V	0.8	0	2.35	177
401430235	2011	6	29	5	V	0.7	0	3.13	156
401430235	2011	6	29	6	V	8.4	0	3.13	169
401430235	2011	6	29	7	V	1.0	0	3.73	169
401430235	2011	6	29	8	V	1.4	0	3.54	165
401430235	2011	6	29	9	V	1.5	0	3.85	167
401430235	2011	6	29	10	V	1.1	0	4.7	165
401430235	2011	6	29	11	V	1.7	0	5.39	173
401430235	2011	6	29	12	V	2.4	0	4.77	170
401430235	2011	6	29	13	V	2.6	0	4.66	168
401430235	2011	6	29	14	V	3.2	0	4.24	160
401430235	2011	6	29	15	V	2.2	0	3.93	142
401430235	2011	6	29	16	V	2.8	0	3.59	173
401430235	2011	6	29	17	V	2.4	0	4.34	189
401430235	2011	6	29	18	V	6.1	0	3.85	192
401430235	2011	6	29	19	V	1.7	0	3.81	173
401430235	2011	6	29	20	V	1.9	0	3.22	169
401430235	2011	6	29	21	V	1.4	0	2.76	164
401430235	2011	6	29	22	V	1.0	0	3.24	171
401430235	2011	6	29	23	V	0.8	0	2.42	176
401430235	2011	6	29	24	V	2.7	0	1.14	165
401430235	2011	6	30	1	V	6.9	0	0.69	96
401430235	2011	6	30	2	C	-999	0	0	0
401430235	2011	6	30	3	C	-999	0	0	0
401430235	2011	6	30	4	V	2.7	0	0.58	214
401430235	2011	6	30	5	V	1.1	0	1.16	170
401430235	2011	6	30	6	V	8.4	0	1.94	171
401430235	2011	6	30	7	V	1.1	0	2.55	166
401430235	2011	6	30	8	V	1.4	0	3.76	168
401430235	2011	6	30	9	V	1.6	0	4.2	174
401430235	2011	6	30	10	V	1.2	0	4.97	192
401430235	2011	6	30	11	V	1.8	0	5.51	197
401430235	2011	6	30	12	V	2.4	0	6.06	192

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	6	30	13	V	2.7	0	5.63	184
401430235	2011	6	30	14	V	3.3	0	5.31	183
401430235	2011	6	30	15	V	2.3	0	5.16	183
401430235	2011	6	30	16	V	2.8	0	4.87	189
401430235	2011	6	30	17	V	2.4	0	4.97	185
401430235	2011	6	30	18	V	6.0	0	6.24	177
401430235	2011	6	30	19	V	1.7	0	5.41	180
401430235	2011	6	30	20	V	1.9	0	2.35	196
401430235	2011	6	30	21	V	1.4	0	2.33	160
401430235	2011	6	30	22	V	1.0	0	3.13	168
401430235	2011	6	30	23	V	0.8	0	3.75	169
401430235	2011	6	30	24	V	2.3	0	3.54	175
401430235	2011	7	1	1	V	5.6	0	2.62	180
401430235	2011	7	1	2	V	2.7	0	2.01	155
401430235	2011	7	1	3	V	4.4	0	2.18	165
401430235	2011	7	1	4	V	1.1	0	1.48	181
401430235	2011	7	1	5	V	1.1	0	1.37	184
401430235	2011	7	1	6	V	8.6	0	1.4	153
401430235	2011	7	1	7	V	1.4	0	2.13	180
401430235	2011	7	1	8	V	1.5	0	3.44	183
401430235	2011	7	1	9	V	1.6	0	4.49	189
401430235	2011	7	1	10	V	1.2	0	4.61	189
401430235	2011	7	1	11	V	1.8	0	4.83	193
401430235	2011	7	1	12	V	2.4	0	4.61	206
401430235	2011	7	1	13	V	2.7	0	5.04	188
401430235	2011	7	1	14	V	3.3	0	5.07	179
401430235	2011	7	1	15	V	2.3	0	4.65	196
401430235	2011	7	1	16	V	2.8	0	4.07	191
401430235	2011	7	1	17	V	2.5	0	3.47	185
401430235	2011	7	1	18	V	6.0	0	4.02	157
401430235	2011	7	1	19	V	1.6	0	3.66	151
401430235	2011	7	1	20	V	1.9	0	2.69	142
401430235	2011	7	1	21	V	1.5	0	2.11	147
401430235	2011	7	1	22	V	1.1	0	2.13	191
401430235	2011	7	1	23	V	2.2	0	0.7	202
401430235	2011	7	1	24	C	-999	0	0	0
401430235	2011	7	2	1	V	6.9	0	0.8	178
401430235	2011	7	2	2	C	-999	0	0	0
401430235	2011	7	2	3	V	5.9	0	0.75	182
401430235	2011	7	2	4	V	2.1	0	0.65	222
401430235	2011	7	2	5	V	3.4	0	0.52	254
401430235	2011	7	2	6	V	12.8	0	0.67	291
401430235	2011	7	2	7	V	5.1	0	0.7	222
401430235	2011	7	2	8	V	4.0	0	1.14	210
401430235	2011	7	2	9	V	1.9	0	2.11	188
401430235	2011	7	2	10	V	1.2	0	2.96	224

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	2	11	V	1.8	0	2.83	236
401430235	2011	7	2	12	V	2.5	0	2.69	232
401430235	2011	7	2	13	V	2.8	0	2.44	171
401430235	2011	7	2	14	V	3.4	0	2.61	169
401430235	2011	7	2	15	V	2.5	0	2.39	195
401430235	2011	7	2	16	V	2.8	0	2.66	143
401430235	2011	7	2	17	V	2.3	0	3.78	107
401430235	2011	7	2	18	V	5.9	0	4.41	104
401430235	2011	7	2	19	V	1.6	0	4.34	112
401430235	2011	7	2	20	V	1.9	0	2.59	113
401430235	2011	7	2	21	V	1.8	1	0.87	99
401430235	2011	7	2	22	V	2.2	1	0.77	31
401430235	2011	7	2	23	V	3.2	1	0.55	105
401430235	2011	7	2	24	C	-999	1	0	0
401430235	2011	7	3	1	V	8.3	1	0.52	164
401430235	2011	7	3	2	V	4.2	0	0.72	203
401430235	2011	7	3	3	V	4.6	0	1.37	204
401430235	2011	7	3	4	V	1.4	0	0.96	213
401430235	2011	7	3	5	C	-999	0	0	0
401430235	2011	7	3	6	V	10.0	0	0.58	237
401430235	2011	7	3	7	V	2.6	0	1.09	200
401430235	2011	7	3	8	V	1.8	0	2.4	190
401430235	2011	7	3	9	V	1.9	0	2.15	187
401430235	2011	7	3	10	V	1.4	0	2.08	200
401430235	2011	7	3	11	V	1.8	0	2.95	216
401430235	2011	7	3	12	V	2.5	0	3.17	212
401430235	2011	7	3	13	V	2.8	0	2.79	182
401430235	2011	7	3	14	V	3.3	0	4	181
401430235	2011	7	3	15	M	-999	0	3.85	168
401430235	2011	7	3	16	M	-999	0	3.86	180
401430235	2011	7	3	17	M	-999	0	3.58	168
401430235	2011	7	3	18	M	-999	0	3.22	168
401430235	2011	7	3	19	M	-999	1	2.71	143
401430235	2011	7	3	20	V	2.1	1	6.04	17
401430235	2011	7	3	21	V	1.6	0	5.82	26
401430235	2011	7	3	22	V	1.1	0	4.58	23
401430235	2011	7	3	23	V	3.8	0	4.94	39
401430235	2011	7	3	24	V	2.3	0	4.05	72
401430235	2011	7	4	1	V	5.6	0	3.59	123
401430235	2011	7	4	2	V	2.7	0	3.86	94
401430235	2011	7	4	3	V	4.4	0	3.83	114
401430235	2011	7	4	4	V	0.8	0	2.93	141
401430235	2011	7	4	5	V	0.8	0	2.88	123
401430235	2011	7	4	6	V	8.4	0	3.44	127
401430235	2011	7	4	7	M	-999	0	2.62	144
401430235	2011	7	4	8	M	-999	0	2.03	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	4	9	M	-999	0	2.88	139
401430235	2011	7	4	10	M	-999	0	3.23	151
401430235	2011	7	4	11	M	-999	0	3.83	164
401430235	2011	7	4	12	M	-999	0	3.88	153
401430235	2011	7	4	13	M	-999	0	3.93	157
401430235	2011	7	4	14	M	-999	0	4.83	133
401430235	2011	7	4	15	M	-999	0	4.36	140
401430235	2011	7	4	16	M	-999	0	3.64	146
401430235	2011	7	4	17	M	-999	0	3.29	124
401430235	2011	7	4	18	M	-999	0	3.95	112
401430235	2011	7	4	19	M	-999	0	4.07	123
401430235	2011	7	4	20	M	-999	0	3.01	158
401430235	2011	7	4	21	V	1.4	0	2.52	160
401430235	2011	7	4	22	V	1.0	0	2.62	173
401430235	2011	7	4	23	V	0.8	0	2.73	161
401430235	2011	7	4	24	V	2.3	0	1.89	172
401430235	2011	7	5	1	V	7.0	0	0.74	200
401430235	2011	7	5	2	V	3.0	0	1.33	175
401430235	2011	7	5	3	V	4.4	0	1.94	169
401430235	2011	7	5	4	V	1.5	0	1.08	197
401430235	2011	7	5	5	V	2.5	0	0.65	209
401430235	2011	7	5	6	V	8.8	0	1.21	174
401430235	2011	7	5	7	V	1.2	0	2.27	172
401430235	2011	7	5	8	V	1.5	0	2.9	167
401430235	2011	7	5	9	V	1.8	0	2.66	175
401430235	2011	7	5	10	V	1.3	0	2.73	215
401430235	2011	7	5	11	V	2.1	0	1.96	193
401430235	2011	7	5	12	V	2.8	0	1.99	203
401430235	2011	7	5	13	V	3.0	1	1.86	170
401430235	2011	7	5	14	V	3.4	0	2.81	129
401430235	2011	7	5	15	V	2.4	0	2.66	74
401430235	2011	7	5	16	V	3.0	1	2.28	23
401430235	2011	7	5	17	V	2.6	1	2.42	25
401430235	2011	7	5	18	V	6.1	1	2.57	92
401430235	2011	7	5	19	V	1.7	0	2.93	117
401430235	2011	7	5	20	V	2.0	1	1.59	80
401430235	2011	7	5	21	V	2.0	0	0.79	12
401430235	2011	7	5	22	V	22.7	0	0.74	305
401430235	2011	7	5	23	V	1.5	0	0.77	242
401430235	2011	7	5	24	V	3.4	1	0.67	243
401430235	2011	7	6	1	V	6.2	1	0.97	214
401430235	2011	7	6	2	V	3.4	1	0.75	229
401430235	2011	7	6	3	V	38.6	1	0.62	326
401430235	2011	7	6	4	V	1.5	0	0.84	215
401430235	2011	7	6	5	V	1.4	0	0.92	215
401430235	2011	7	6	6	V	9.3	0	0.94	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	6	7	V	3.0	0	0.92	113
401430235	2011	7	6	8	V	3.0	0	1.89	53
401430235	2011	7	6	9	V	2.5	1	2.1	28
401430235	2011	7	6	10	V	1.0	1	5.43	14
401430235	2011	7	6	11	V	2.7	0	6.36	42
401430235	2011	7	6	12	V	2.4	0	6.77	53
401430235	2011	7	6	13	V	2.5	0	5.26	63
401430235	2011	7	6	14	V	3.2	0	4.22	81
401430235	2011	7	6	15	V	2.2	0	3.64	68
401430235	2011	7	6	16	V	3.0	0	4.54	45
401430235	2011	7	6	17	V	2.3	0	3.68	96
401430235	2011	7	6	18	V	5.9	1	3.98	118
401430235	2011	7	6	19	V	1.6	0	4.12	87
401430235	2011	7	6	20	V	2.0	0	3.27	73
401430235	2011	7	6	21	V	1.5	0	2.91	84
401430235	2011	7	6	22	V	1.0	0	2.2	74
401430235	2011	7	6	23	V	0.8	0	2.88	61
401430235	2011	7	6	24	V	2.3	0	3.01	90
401430235	2011	7	7	1	V	5.6	0	2.67	106
401430235	2011	7	7	2	V	2.8	0	1.67	143
401430235	2011	7	7	3	V	4.7	0	1.16	161
401430235	2011	7	7	4	V	1.5	0	0.92	216
401430235	2011	7	7	5	V	3.0	0	0.52	231
401430235	2011	7	7	6	V	9.3	0	0.91	200
401430235	2011	7	7	7	V	1.4	0	2.05	174
401430235	2011	7	7	8	V	1.6	0	2.67	172
401430235	2011	7	7	9	V	1.7	1	3.59	191
401430235	2011	7	7	10	V	1.2	1	3.35	181
401430235	2011	7	7	11	V	1.8	1	4.83	189
401430235	2011	7	7	12	V	2.3	1	4.87	216
401430235	2011	7	7	13	V	2.5	1	4.05	244
401430235	2011	7	7	14	V	3.7	1	2.76	276
401430235	2011	7	7	15	V	3.1	4	1.96	319
401430235	2011	7	7	16	V	4.5	2	2.44	315
401430235	2011	7	7	17	V	4.0	1	2.69	346
401430235	2011	7	7	18	V	7.5	1	1.98	348
401430235	2011	7	7	19	V	1.7	1	2.96	5
401430235	2011	7	7	20	V	2.0	0	4.27	16
401430235	2011	7	7	21	V	1.5	0	4.85	21
401430235	2011	7	7	22	V	2.7	0	4.44	36
401430235	2011	7	7	23	V	0.8	0	3.71	57
401430235	2011	7	7	24	V	5.2	0	4.48	43
401430235	2011	7	8	1	V	5.8	0	3.56	49
401430235	2011	7	8	2	V	4.4	0	3.32	45
401430235	2011	7	8	3	V	4.4	0	2.11	28
401430235	2011	7	8	4	V	0.9	0	1.91	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	8	5	V	0.7	0	1.91	357
401430235	2011	7	8	6	V	8.4	0	2.39	12
401430235	2011	7	8	7	V	0.9	0	3.08	20
401430235	2011	7	8	8	V	1.8	0	3.51	29
401430235	2011	7	8	9	V	1.5	0	3.81	21
401430235	2011	7	8	10	V	1.2	-999	3.61	22
401430235	2011	7	8	11	V	2.1	1	3.75	29
401430235	2011	7	8	12	V	2.5	1	3.1	10
401430235	2011	7	8	13	V	2.6	1	3.46	16
401430235	2011	7	8	14	V	3.8	1	3.37	34
401430235	2011	7	8	15	V	2.4	0	2.86	11
401430235	2011	7	8	16	V	3.1	1	4.03	48
401430235	2011	7	8	17	V	2.8	1	3.74	37
401430235	2011	7	8	18	V	5.9	1	4.24	67
401430235	2011	7	8	19	V	1.6	1	4.29	72
401430235	2011	7	8	20	V	2.0	1	3.07	58
401430235	2011	7	8	21	V	1.5	0	3.64	60
401430235	2011	7	8	22	V	1.1	1	4.07	59
401430235	2011	7	8	23	V	0.8	1	3.03	71
401430235	2011	7	8	24	V	2.3	1	3.22	77
401430235	2011	7	9	1	V	5.6	0	3.4	90
401430235	2011	7	9	2	V	2.7	0	3.18	92
401430235	2011	7	9	3	V	4.4	0	2.93	102
401430235	2011	7	9	4	V	0.8	0	2.62	116
401430235	2011	7	9	5	V	0.7	0	2.08	101
401430235	2011	7	9	6	V	8.4	0	2.08	106
401430235	2011	7	9	7	V	0.9	0	3.37	126
401430235	2011	7	9	8	V	1.3	0	4.2	140
401430235	2011	7	9	9	V	1.4	0	4.05	142
401430235	2011	7	9	10	V	1.0	0	4.17	141
401430235	2011	7	9	11	V	1.6	0	4.42	142
401430235	2011	7	9	12	V	2.4	0	3.95	145
401430235	2011	7	9	13	V	2.6	0	5.02	165
401430235	2011	7	9	14	V	3.2	0	4.78	161
401430235	2011	7	9	15	V	2.2	0	4.92	164
401430235	2011	7	9	16	V	2.7	0	5.11	163
401430235	2011	7	9	17	V	2.4	1	4.15	166
401430235	2011	7	9	18	V	6.0	1	4.17	169
401430235	2011	7	9	19	V	1.6	1	3.74	152
401430235	2011	7	9	20	V	1.9	1	3.93	155
401430235	2011	7	9	21	V	1.5	1	4.6	182
401430235	2011	7	9	22	V	1.1	1	4.7	185
401430235	2011	7	9	23	V	0.8	1	3.9	188
401430235	2011	7	9	24	V	2.3	1	3.83	188
401430235	2011	7	10	1	V	5.7	1	2.91	191
401430235	2011	7	10	2	V	2.8	1	2.27	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	10	3	V	4.6	1	1.33	204
401430235	2011	7	10	4	V	1.0	1	1.82	195
401430235	2011	7	10	5	V	0.8	1	1.91	202
401430235	2011	7	10	6	V	8.5	1	1.67	203
401430235	2011	7	10	7	V	1.7	1	1.74	209
401430235	2011	7	10	8	V	1.5	1	3.76	198
401430235	2011	7	10	9	V	1.6	1	4.76	194
401430235	2011	7	10	10	V	1.2	1	4.29	206
401430235	2011	7	10	11	V	1.8	1	4.63	197
401430235	2011	7	10	12	V	2.4	1	5.27	195
401430235	2011	7	10	13	V	2.6	1	6.26	190
401430235	2011	7	10	14	V	3.2	1	7.08	181
401430235	2011	7	10	15	V	2.2	1	6.07	194
401430235	2011	7	10	16	V	2.7	1	5.41	204
401430235	2011	7	10	17	V	2.3	1	5.56	204
401430235	2011	7	10	18	V	6.0	1	4.53	200
401430235	2011	7	10	19	V	1.8	1	4.54	192
401430235	2011	7	10	20	V	2.0	1	2.72	184
401430235	2011	7	10	21	V	1.5	1	1.82	202
401430235	2011	7	10	22	V	1.2	1	1.76	210
401430235	2011	7	10	23	V	0.8	1	3.01	200
401430235	2011	7	10	24	V	2.3	1	3.73	198
401430235	2011	7	11	1	V	5.7	1	3.86	207
401430235	2011	7	11	2	V	3.2	1	2.73	218
401430235	2011	7	11	3	V	4.7	1	2.55	223
401430235	2011	7	11	4	V	1.0	1	1.81	223
401430235	2011	7	11	5	V	1.3	1	0.8	237
401430235	2011	7	11	6	V	9.3	1	0.77	211
401430235	2011	7	11	7	V	2.2	1	1.18	203
401430235	2011	7	11	8	V	1.7	1	2.23	214
401430235	2011	7	11	9	V	1.6	1	2.54	233
401430235	2011	7	11	10	V	1.1	1	3.58	228
401430235	2011	7	11	11	V	1.8	1	4.2	198
401430235	2011	7	11	12	V	2.5	1	4.34	185
401430235	2011	7	11	13	V	2.7	1	4.12	186
401430235	2011	7	11	14	V	3.3	1	4.92	175
401430235	2011	7	11	15	V	2.3	1	4.7	182
401430235	2011	7	11	16	V	2.7	1	4.61	183
401430235	2011	7	11	17	V	2.3	1	4.88	167
401430235	2011	7	11	18	V	6.0	1	4.71	179
401430235	2011	7	11	19	V	1.8	1	2.72	201
401430235	2011	7	11	20	V	2.0	1	1.72	203
401430235	2011	7	11	21	V	1.8	1	1.33	197
401430235	2011	7	11	22	V	1.4	1	1.31	211
401430235	2011	7	11	23	V	0.8	1	1.96	201
401430235	2011	7	11	24	V	2.4	1	1.69	207

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	12	1	V	6.3	1	1.26	218
401430235	2011	7	12	2	C	-999	1	0	0
401430235	2011	7	12	3	C	-999	1	0	0
401430235	2011	7	12	4	V	2.4	1	0.6	258
401430235	2011	7	12	5	C	-999	1	0	0
401430235	2011	7	12	6	C	-999	1	0	0
401430235	2011	7	12	7	V	2.5	1	1.06	177
401430235	2011	7	12	8	V	1.6	1	3.18	186
401430235	2011	7	12	9	V	1.6	1	4.1	191
401430235	2011	7	12	10	V	1.2	1	3.97	199
401430235	2011	7	12	11	V	1.7	1	4.75	219
401430235	2011	7	12	12	V	2.4	1	4.9	202
401430235	2011	7	12	13	V	2.7	-999	3.93	202
401430235	2011	7	12	14	V	3.3	0	3.03	222
401430235	2011	7	12	15	V	2.7	0	2.18	270
401430235	2011	7	12	16	V	5.0	1	1.89	318
401430235	2011	7	12	17	V	2.9	1	1.3	264
401430235	2011	7	12	18	V	6.6	0	1.13	343
401430235	2011	7	12	19	V	1.9	0	1.52	218
401430235	2011	7	12	20	V	2.0	0	3.15	195
401430235	2011	7	12	21	V	1.4	0	2.64	162
401430235	2011	7	12	22	V	1.0	0	2.28	111
401430235	2011	7	12	23	V	0.8	0	2.01	162
401430235	2011	7	12	24	V	2.9	0	0.89	119
401430235	2011	7	13	1	V	5.7	0	1.59	1
401430235	2011	7	13	2	V	2.8	0	2.91	21
401430235	2011	7	13	3	V	4.5	0	4.41	26
401430235	2011	7	13	4	V	0.9	0	4.54	31
401430235	2011	7	13	5	V	0.9	0	4.78	29
401430235	2011	7	13	6	V	8.9	0	4.46	49
401430235	2011	7	13	7	V	0.9	0	4.54	74
401430235	2011	7	13	8	V	1.3	0	3.88	90
401430235	2011	7	13	9	V	1.4	0	4.12	114
401430235	2011	7	13	10	V	1.0	0	4.8	78
401430235	2011	7	13	11	V	1.6	0	5.56	100
401430235	2011	7	13	12	V	2.3	0	5.9	104
401430235	2011	7	13	13	V	2.5	0	4.42	119
401430235	2011	7	13	14	V	3.2	0	3.29	108
401430235	2011	7	13	15	V	2.5	0	2.22	102
401430235	2011	7	13	16	V	2.9	0	2.49	139
401430235	2011	7	13	17	V	2.3	0	3.56	130
401430235	2011	7	13	18	V	5.9	0	3.83	122
401430235	2011	7	13	19	V	1.6	0	3.61	126
401430235	2011	7	13	20	V	2.0	0	3.93	107
401430235	2011	7	13	21	V	1.5	0	3.83	122
401430235	2011	7	13	22	V	1.0	0	2.64	110

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	13	23	V	0.8	0	2.54	93
401430235	2011	7	13	24	V	2.3	0	3.13	104
401430235	2011	7	14	1	V	5.6	0	2.98	110
401430235	2011	7	14	2	V	2.7	0	2.98	119
401430235	2011	7	14	3	V	4.4	0	2.4	127
401430235	2011	7	14	4	V	0.8	0	2.5	118
401430235	2011	7	14	5	V	0.7	0	2.61	137
401430235	2011	7	14	6	V	8.4	0	2.59	152
401430235	2011	7	14	7	V	0.9	0	3.56	146
401430235	2011	7	14	8	V	1.4	0	3.42	151
401430235	2011	7	14	9	V	1.6	0	3.56	169
401430235	2011	7	14	10	V	1.2	0	3.12	164
401430235	2011	7	14	11	V	1.9	0	2.52	158
401430235	2011	7	14	12	V	2.4	0	3.32	114
401430235	2011	7	14	13	V	2.7	0	2.78	113
401430235	2011	7	14	14	V	3.3	0	2.98	112
401430235	2011	7	14	15	V	2.2	0	3.63	111
401430235	2011	7	14	16	V	2.6	0	3.9	106
401430235	2011	7	14	17	V	2.3	0	4.19	109
401430235	2011	7	14	18	V	5.9	0	4.6	105
401430235	2011	7	14	19	V	1.6	1	3.97	110
401430235	2011	7	14	20	V	1.9	1	2.98	129
401430235	2011	7	14	21	V	1.5	1	1.77	132
401430235	2011	7	14	22	V	1.0	1	2.54	146
401430235	2011	7	14	23	V	0.8	0	3.12	147
401430235	2011	7	14	24	V	2.3	0	3.59	149
401430235	2011	7	15	1	V	5.6	0	3.73	150
401430235	2011	7	15	2	V	2.7	0	3.1	148
401430235	2011	7	15	3	V	4.4	0	2.57	143
401430235	2011	7	15	4	V	0.8	0	2.27	147
401430235	2011	7	15	5	V	0.7	0	2.35	141
401430235	2011	7	15	6	V	8.4	0	2.67	134
401430235	2011	7	15	7	V	0.9	0	3.15	145
401430235	2011	7	15	8	V	1.3	0	3.64	151
401430235	2011	7	15	9	V	1.5	0	3.76	166
401430235	2011	7	15	10	V	1.2	0	3.24	164
401430235	2011	7	15	11	V	1.8	0	2.79	151
401430235	2011	7	15	12	V	2.6	0	2.61	172
401430235	2011	7	15	13	V	2.6	0	3.24	117
401430235	2011	7	15	14	V	3.3	0	3.15	85
401430235	2011	7	15	15	V	2.3	0	3.13	67
401430235	2011	7	15	16	V	2.7	0	3.06	117
401430235	2011	7	15	17	V	2.4	0	2.96	119
401430235	2011	7	15	18	V	6.0	0	3.32	118
401430235	2011	7	15	19	V	1.6	0	4.56	120
401430235	2011	7	15	20	V	2.0	0	4.36	129

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	15	21	V	1.4	0	3.13	141
401430235	2011	7	15	22	V	1.0	0	3.07	137
401430235	2011	7	15	23	V	0.8	0	2.45	139
401430235	2011	7	15	24	V	2.3	0	3.13	137
401430235	2011	7	16	1	V	5.6	0	3.05	138
401430235	2011	7	16	2	V	2.7	0	3.17	146
401430235	2011	7	16	3	V	4.4	0	2.88	163
401430235	2011	7	16	4	V	0.8	0	1.94	155
401430235	2011	7	16	5	V	0.7	0	2.18	164
401430235	2011	7	16	6	V	8.4	0	2.28	147
401430235	2011	7	16	7	V	1.0	0	2.95	142
401430235	2011	7	16	8	V	1.3	0	3.54	155
401430235	2011	7	16	9	V	1.5	0	3.57	163
401430235	2011	7	16	10	V	1.2	0	2.96	165
401430235	2011	7	16	11	V	1.8	0	3.42	169
401430235	2011	7	16	12	V	2.5	0	3.06	157
401430235	2011	7	16	13	V	2.6	0	3.74	115
401430235	2011	7	16	14	V	3.2	0	4.22	110
401430235	2011	7	16	15	V	2.1	0	4.58	103
401430235	2011	7	16	16	V	2.6	0	4.9	110
401430235	2011	7	16	17	V	2.2	0	5.16	108
401430235	2011	7	16	18	V	5.9	1	4.19	109
401430235	2011	7	16	19	V	1.6	1	3.46	97
401430235	2011	7	16	20	V	2.0	0	2.84	91
401430235	2011	7	16	21	V	1.5	0	1.94	107
401430235	2011	7	16	22	V	1.0	0	3.12	134
401430235	2011	7	16	23	V	0.8	0	3.59	149
401430235	2011	7	16	24	V	2.3	0	3.15	152
401430235	2011	7	17	1	V	5.6	0	3.03	146
401430235	2011	7	17	2	V	2.7	0	2.33	156
401430235	2011	7	17	3	V	4.4	0	2.35	169
401430235	2011	7	17	4	V	0.8	0	2.18	152
401430235	2011	7	17	5	V	0.8	0	1.81	146
401430235	2011	7	17	6	V	8.4	0	2.04	143
401430235	2011	7	17	7	V	1.1	0	2.5	132
401430235	2011	7	17	8	V	1.3	0	3.49	143
401430235	2011	7	17	9	V	1.5	0	3.49	166
401430235	2011	7	17	10	V	1.2	0	3.18	161
401430235	2011	7	17	11	V	1.8	0	3.03	111
401430235	2011	7	17	12	V	2.5	0	2.83	98
401430235	2011	7	17	13	V	2.7	0	3.1	123
401430235	2011	7	17	14	V	3.2	0	3.85	113
401430235	2011	7	17	15	V	2.2	0	4.03	103
401430235	2011	7	17	16	V	2.7	0	3.59	95
401430235	2011	7	17	17	V	2.3	0	3.64	107
401430235	2011	7	17	18	V	5.9	0	3.81	127

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	17	19	V	1.6	0	4.32	118
401430235	2011	7	17	20	V	1.9	0	3.4	127
401430235	2011	7	17	21	V	1.4	0	2.78	138
401430235	2011	7	17	22	V	1.0	0	3	146
401430235	2011	7	17	23	V	0.8	0	3.71	144
401430235	2011	7	17	24	V	2.3	0	2.86	142
401430235	2011	7	18	1	V	5.6	0	2.61	134
401430235	2011	7	18	2	V	2.7	0	2.9	136
401430235	2011	7	18	3	V	4.4	0	2.61	149
401430235	2011	7	18	4	V	0.8	0	2.5	164
401430235	2011	7	18	5	V	0.8	0	1.87	171
401430235	2011	7	18	6	V	8.4	0	2.64	142
401430235	2011	7	18	7	V	0.9	0	3.39	139
401430235	2011	7	18	8	V	1.3	0	3.27	152
401430235	2011	7	18	9	V	1.5	0	3.32	163
401430235	2011	7	18	10	V	1.3	0	2.88	174
401430235	2011	7	18	11	V	1.8	0	2.69	131
401430235	2011	7	18	12	V	2.5	0	2.88	133
401430235	2011	7	18	13	V	2.8	0	2.52	119
401430235	2011	7	18	14	V	3.2	0	3.51	110
401430235	2011	7	18	15	V	2.2	0	3.9	121
401430235	2011	7	18	16	V	2.6	1	3.97	124
401430235	2011	7	18	17	V	2.3	0	4.43	120
401430235	2011	7	18	18	V	5.9	0	4.34	137
401430235	2011	7	18	19	V	1.6	0	4.34	128
401430235	2011	7	18	20	V	2.0	0	3.12	128
401430235	2011	7	18	21	V	1.5	0	1.72	130
401430235	2011	7	18	22	V	1.0	0	2.15	151
401430235	2011	7	18	23	V	0.8	0	2.91	146
401430235	2011	7	18	24	V	2.3	0	2.71	149
401430235	2011	7	19	1	V	5.6	0	2.11	158
401430235	2011	7	19	2	V	2.7	0	1.94	155
401430235	2011	7	19	3	V	4.4	0	2.06	153
401430235	2011	7	19	4	V	0.9	0	1.93	169
401430235	2011	7	19	5	V	1.1	0	1.37	194
401430235	2011	7	19	6	V	9.5	0	0.87	195
401430235	2011	7	19	7	V	1.2	0	2.22	166
401430235	2011	7	19	8	V	1.4	0	3.18	167
401430235	2011	7	19	9	V	1.7	0	3.17	180
401430235	2011	7	19	10	V	1.2	0	2.86	169
401430235	2011	7	19	11	V	1.8	0	2.91	121
401430235	2011	7	19	12	V	2.4	0	3.12	117
401430235	2011	7	19	13	V	2.6	0	3.81	105
401430235	2011	7	19	14	V	3.2	0	3.42	116
401430235	2011	7	19	15	V	2.2	0	3.88	117
401430235	2011	7	19	16	V	2.6	0	4.71	119

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	19	17	V	2.3	0	4.66	131
401430235	2011	7	19	18	V	5.9	0	4.82	111
401430235	2011	7	19	19	V	1.6	0	4.48	101
401430235	2011	7	19	20	V	2.0	0	3.54	110
401430235	2011	7	19	21	V	1.4	0	2.69	126
401430235	2011	7	19	22	V	1.0	0	2.42	139
401430235	2011	7	19	23	V	0.8	0	2.4	141
401430235	2011	7	19	24	V	2.3	0	2.93	169
401430235	2011	7	20	1	V	5.6	0	2.03	171
401430235	2011	7	20	2	V	3.6	0	0.7	229
401430235	2011	7	20	3	V	6.4	0	0.6	79
401430235	2011	7	20	4	V	0.9	0	1.76	149
401430235	2011	7	20	5	V	0.8	0	1.84	168
401430235	2011	7	20	6	V	8.4	0	2.06	164
401430235	2011	7	20	7	V	1.0	0	3.05	165
401430235	2011	7	20	8	V	1.5	0	3.78	178
401430235	2011	7	20	9	V	1.6	0	4.53	195
401430235	2011	7	20	10	V	1.2	0	4.83	198
401430235	2011	7	20	11	V	1.8	0	5.43	191
401430235	2011	7	20	12	V	2.5	0	4.85	186
401430235	2011	7	20	13	V	2.7	0	4.53	195
401430235	2011	7	20	14	V	3.3	0	4.95	189
401430235	2011	7	20	15	V	2.3	-999	4.7	180
401430235	2011	7	20	16	V	2.7	0	5.07	168
401430235	2011	7	20	17	V	2.3	0	5	167
401430235	2011	7	20	18	V	5.9	0	4.8	166
401430235	2011	7	20	19	V	1.6	0	4.31	161
401430235	2011	7	20	20	V	1.9	0	3.13	171
401430235	2011	7	20	21	V	1.5	0	2.27	184
401430235	2011	7	20	22	V	1.3	0	1.3	207
401430235	2011	7	20	23	V	0.9	0	1.55	200
401430235	2011	7	20	24	V	2.4	0	1.72	196
401430235	2011	7	21	1	V	6.1	0	1.31	190
401430235	2011	7	21	2	V	3.2	0	1.31	192
401430235	2011	7	21	3	V	5.6	0	0.69	28
401430235	2011	7	21	4	V	2.6	0	0.67	34
401430235	2011	7	21	5	C	-999	0	0	0
401430235	2011	7	21	6	C	-999	0	0	0
401430235	2011	7	21	7	V	2.3	0	1.11	184
401430235	2011	7	21	8	V	1.8	0	2.38	185
401430235	2011	7	21	9	V	1.7	0	2.91	204
401430235	2011	7	21	10	V	1.2	0	3.92	204
401430235	2011	7	21	11	V	1.8	0	5.14	179
401430235	2011	7	21	12	V	2.4	0	5.48	184
401430235	2011	7	21	13	V	2.6	0	5.02	181
401430235	2011	7	21	14	V	3.3	0	5.22	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	21	15	V	2.2	1	5.12	176
401430235	2011	7	21	16	V	2.7	0	4.73	167
401430235	2011	7	21	17	V	2.4	0	4.14	178
401430235	2011	7	21	18	V	6.0	0	4.22	172
401430235	2011	7	21	19	V	1.6	1	3.92	166
401430235	2011	7	21	20	V	1.9	1	3.15	162
401430235	2011	7	21	21	V	1.5	1	1.91	168
401430235	2011	7	21	22	V	2.2	1	0.87	186
401430235	2011	7	21	23	V	1.4	1	1.06	218
401430235	2011	7	21	24	V	2.4	1	1.45	207
401430235	2011	7	22	1	V	6.2	1	1.35	214
401430235	2011	7	22	2	V	4.3	0	0.6	212
401430235	2011	7	22	3	V	5.2	1	0.75	244
401430235	2011	7	22	4	V	2.4	0	0.72	34
401430235	2011	7	22	5	V	1.1	0	1.21	174
401430235	2011	7	22	6	V	9.0	0	1.01	170
401430235	2011	7	22	7	V	1.2	0	2.03	166
401430235	2011	7	22	8	V	1.6	0	2.54	173
401430235	2011	7	22	9	V	1.7	0	3.15	181
401430235	2011	7	22	10	V	1.2	0	3.64	173
401430235	2011	7	22	11	V	1.8	1	5.46	181
401430235	2011	7	22	12	V	2.5	0	4.59	187
401430235	2011	7	22	13	V	2.6	0	4.49	161
401430235	2011	7	22	14	V	3.3	0	4.36	180
401430235	2011	7	22	15	V	2.3	0	4.63	175
401430235	2011	7	22	16	V	2.7	1	4.56	183
401430235	2011	7	22	17	V	2.4	1	4.27	199
401430235	2011	7	22	18	V	6.1	1	4.03	192
401430235	2011	7	22	19	V	1.7	0	4.26	179
401430235	2011	7	22	20	V	1.9	1	3.22	172
401430235	2011	7	22	21	V	1.4	0	3.39	158
401430235	2011	7	22	22	V	1.0	1	2.84	162
401430235	2011	7	22	23	V	0.8	0	2.57	172
401430235	2011	7	22	24	V	2.3	0	2.13	198
401430235	2011	7	23	1	V	5.9	0	1.25	205
401430235	2011	7	23	2	V	3.7	0	0.92	197
401430235	2011	7	23	3	V	6.6	0	0.63	200
401430235	2011	7	23	4	V	2.3	0	0.67	141
401430235	2011	7	23	5	V	1.2	0	0.99	159
401430235	2011	7	23	6	V	9.0	0	0.99	172
401430235	2011	7	23	7	V	2.0	0	1.3	209
401430235	2011	7	23	8	V	1.6	0	3.13	194
401430235	2011	7	23	9	V	1.6	0	4.58	194
401430235	2011	7	23	10	V	1.1	0	4.42	209
401430235	2011	7	23	11	V	1.8	0	4.15	203
401430235	2011	7	23	12	V	2.4	0	4.78	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	23	13	V	2.7	0	4.65	195
401430235	2011	7	23	14	V	3.3	0	4.48	188
401430235	2011	7	23	15	V	2.3	0	4.22	182
401430235	2011	7	23	16	V	2.8	0	4.19	186
401430235	2011	7	23	17	V	2.4	0	4.03	191
401430235	2011	7	23	18	V	6.1	0	4.14	192
401430235	2011	7	23	19	V	1.6	0	4.68	168
401430235	2011	7	23	20	V	1.9	0	3.56	175
401430235	2011	7	23	21	V	1.7	0	1.5	196
401430235	2011	7	23	22	V	1.3	0	1.43	200
401430235	2011	7	23	23	V	0.8	1	2.13	200
401430235	2011	7	23	24	V	2.3	1	1.94	208
401430235	2011	7	24	1	V	6.3	1	1.45	216
401430235	2011	7	24	2	V	3.1	1	1.37	182
401430235	2011	7	24	3	V	4.8	0	1.31	181
401430235	2011	7	24	4	V	1.5	0	1.03	199
401430235	2011	7	24	5	V	2.4	0	0.69	48
401430235	2011	7	24	6	V	9.2	0	0.84	157
401430235	2011	7	24	7	V	1.4	0	1.96	185
401430235	2011	7	24	8	V	1.6	0	2.98	186
401430235	2011	7	24	9	V	1.6	1	3.05	213
401430235	2011	7	24	10	V	1.2	1	2.52	238
401430235	2011	7	24	11	V	2.0	1	2.27	204
401430235	2011	7	24	12	V	2.7	0	2.23	178
401430235	2011	7	24	13	V	2.8	0	2.16	214
401430235	2011	7	24	14	V	4.1	-999	3.85	286
401430235	2011	7	24	15	V	2.5	-999	2.21	125
401430235	2011	7	24	16	V	2.7	-999	3.3	85
401430235	2011	7	24	17	V	2.4	-999	3.3	90
401430235	2011	7	24	18	V	6.0	-999	2.76	116
401430235	2011	7	24	19	V	1.7	-999	3.03	158
401430235	2011	7	24	20	V	1.9	-999	3.44	123
401430235	2011	7	24	21	V	1.4	-999	2.91	153
401430235	2011	7	24	22	V	1.1	-999	2.37	237
401430235	2011	7	24	23	V	0.8	-999	1.77	230
401430235	2011	7	24	24	V	2.3	0	1.88	358
401430235	2011	7	25	1	V	5.7	0	5.04	21
401430235	2011	7	25	2	V	3.5	0	5.17	34
401430235	2011	7	25	3	V	5.1	0	2.64	352
401430235	2011	7	25	4	V	0.9	0	1.54	269
401430235	2011	7	25	5	V	0.9	0	1.3	281
401430235	2011	7	25	6	V	8.9	0	0.97	222
401430235	2011	7	25	7	V	1.9	0	1.33	202
401430235	2011	7	25	8	V	1.6	0	2.27	133
401430235	2011	7	25	9	V	1.4	0	4.12	96
401430235	2011	7	25	10	V	1.0	0	4.2	79

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	25	11	V	1.7	0	3.15	99
401430235	2011	7	25	12	V	2.5	0	2.67	104
401430235	2011	7	25	13	V	2.9	0	2.03	87
401430235	2011	7	25	14	V	3.6	0	2.06	127
401430235	2011	7	25	15	V	2.5	0	2.01	107
401430235	2011	7	25	16	V	3.0	0	2.03	88
401430235	2011	7	25	17	V	2.7	0	1.79	99
401430235	2011	7	25	18	V	6.3	0	1.74	103
401430235	2011	7	25	19	V	2.1	0	1.31	84
401430235	2011	7	25	20	V	2.0	1	2.73	75
401430235	2011	7	25	21	V	1.5	1	1.6	131
401430235	2011	7	25	22	V	1.2	1	1.48	159
401430235	2011	7	25	23	V	1.2	1	0.99	69
401430235	2011	7	25	24	V	2.5	1	1.3	137
401430235	2011	7	26	1	V	5.8	1	1.25	146
401430235	2011	7	26	2	V	2.8	1	2.15	171
401430235	2011	7	26	3	V	4.4	1	2.23	147
401430235	2011	7	26	4	V	0.9	1	2.57	153
401430235	2011	7	26	5	V	0.7	0	2.42	124
401430235	2011	7	26	6	V	8.5	0	2.37	111
401430235	2011	7	26	7	V	0.9	0	3.1	149
401430235	2011	7	26	8	V	1.3	0	3.78	161
401430235	2011	7	26	9	V	1.4	0	5.5	157
401430235	2011	7	26	10	V	1.0	1	6.06	156
401430235	2011	7	26	11	V	1.6	-999	7.3	167
401430235	2011	7	26	12	V	2.4	1	7.37	175
401430235	2011	7	26	13	V	2.5	1	6.55	166
401430235	2011	7	26	14	V	3.3	1	7.16	182
401430235	2011	7	26	15	V	2.2	1	6.09	176
401430235	2011	7	26	16	V	2.7	1	5.36	172
401430235	2011	7	26	17	V	2.2	1	5.43	147
401430235	2011	7	26	18	V	5.9	1	5.51	140
401430235	2011	7	26	19	V	1.6	1	5.65	146
401430235	2011	7	26	20	V	1.9	1	4.14	146
401430235	2011	7	26	21	V	1.4	1	3.73	145
401430235	2011	7	26	22	V	1.0	1	3.8	160
401430235	2011	7	26	23	V	0.8	0	5.05	175
401430235	2011	7	26	24	V	2.3	1	4.17	185
401430235	2011	7	27	1	V	5.6	0	2.74	173
401430235	2011	7	27	2	V	2.7	1	3.29	171
401430235	2011	7	27	3	V	4.4	0	3.91	172
401430235	2011	7	27	4	V	0.8	1	3.66	180
401430235	2011	7	27	5	V	0.7	0	2.88	167
401430235	2011	7	27	6	V	8.4	0	1.86	145
401430235	2011	7	27	7	V	1.0	1	3.29	168
401430235	2011	7	27	8	V	1.3	1	5.7	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	27	9	V	1.4	0	5.65	170
401430235	2011	7	27	10	V	1.0	1	6.43	170
401430235	2011	7	27	11	V	1.7	1	5.85	174
401430235	2011	7	27	12	V	2.5	1	4.58	184
401430235	2011	7	27	13	V	2.7	1	4.66	185
401430235	2011	7	27	14	V	3.3	1	3.88	194
401430235	2011	7	27	15	V	2.2	1	4.34	164
401430235	2011	7	27	16	V	2.6	1	5.17	140
401430235	2011	7	27	17	V	2.2	1	5.65	135
401430235	2011	7	27	18	V	5.9	1	5.1	140
401430235	2011	7	27	19	V	1.6	1	5.05	136
401430235	2011	7	27	20	V	1.9	1	3.32	143
401430235	2011	7	27	21	V	1.4	1	2.62	143
401430235	2011	7	27	22	V	1.0	1	2.44	142
401430235	2011	7	27	23	V	0.8	1	2.93	148
401430235	2011	7	27	24	V	2.3	1	3.06	161
401430235	2011	7	28	1	V	5.6	1	3.29	178
401430235	2011	7	28	2	V	2.7	1	2.33	162
401430235	2011	7	28	3	V	4.4	1	1.96	161
401430235	2011	7	28	4	V	0.9	1	1.84	169
401430235	2011	7	28	5	V	0.8	1	1.67	147
401430235	2011	7	28	6	V	8.5	1	1.62	148
401430235	2011	7	28	7	V	1.0	1	2.93	162
401430235	2011	7	28	8	V	1.4	1	3.88	171
401430235	2011	7	28	9	V	1.6	0	4.63	184
401430235	2011	7	28	10	V	1.1	0	5.1	177
401430235	2011	7	28	11	V	1.8	0	4.32	182
401430235	2011	7	28	12	V	2.5	1	3.08	185
401430235	2011	7	28	13	V	2.7	1	2.59	128
401430235	2011	7	28	14	V	3.2	1	3.61	123
401430235	2011	7	28	15	V	2.2	1	3.78	122
401430235	2011	7	28	16	V	2.6	1	4.07	114
401430235	2011	7	28	17	V	2.3	1	3.59	120
401430235	2011	7	28	18	V	5.9	1	4.03	110
401430235	2011	7	28	19	V	1.6	1	4.68	111
401430235	2011	7	28	20	V	1.9	1	4.2	136
401430235	2011	7	28	21	V	1.5	1	4.68	141
401430235	2011	7	28	22	V	1.0	1	3.81	151
401430235	2011	7	28	23	V	0.8	1	3.75	151
401430235	2011	7	28	24	V	2.3	0	3.86	163
401430235	2011	7	29	1	V	5.6	0	3.24	164
401430235	2011	7	29	2	V	2.7	0	2.13	170
401430235	2011	7	29	3	V	4.5	0	1.76	164
401430235	2011	7	29	4	V	0.9	0	1.84	177
401430235	2011	7	29	5	V	0.8	1	1.57	164
401430235	2011	7	29	6	V	9.1	0	1.04	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	29	7	V	1.1	0	2.44	156
401430235	2011	7	29	8	V	1.4	0	3	167
401430235	2011	7	29	9	V	1.6	0	3.49	176
401430235	2011	7	29	10	V	1.3	0	3.47	182
401430235	2011	7	29	11	V	1.8	0	3.66	186
401430235	2011	7	29	12	V	2.5	0	2.91	184
401430235	2011	7	29	13	V	2.7	-999	2.89	121
401430235	2011	7	29	14	V	3.2	0	3.69	129
401430235	2011	7	29	15	V	2.2	1	3.73	128
401430235	2011	7	29	16	V	2.7	1	3.27	133
401430235	2011	7	29	17	V	2.3	1	3.64	127
401430235	2011	7	29	18	V	5.9	1	4.75	115
401430235	2011	7	29	19	V	1.6	0	5.51	143
401430235	2011	7	29	20	V	2.4	0	1.93	219
401430235	2011	7	29	21	V	2.0	0	0.8	359
401430235	2011	7	29	22	V	1.5	0	1.28	195
401430235	2011	7	29	23	V	1.3	0	1.01	167
401430235	2011	7	29	24	V	3.2	0	0.87	171
401430235	2011	7	30	1	V	5.6	0	1.89	159
401430235	2011	7	30	2	V	3.1	0	1.28	198
401430235	2011	7	30	3	V	4.5	0	1.57	163
401430235	2011	7	30	4	V	0.9	0	1.79	163
401430235	2011	7	30	5	V	2.1	0	0.79	191
401430235	2011	7	30	6	V	8.7	0	1.25	160
401430235	2011	7	30	7	V	1.4	0	1.79	193
401430235	2011	7	30	8	V	1.5	0	4.05	195
401430235	2011	7	30	9	V	1.5	0	3.91	213
401430235	2011	7	30	10	V	1.2	0	2.96	218
401430235	2011	7	30	11	V	1.9	0	2.33	225
401430235	2011	7	30	12	V	2.5	1	3.05	191
401430235	2011	7	30	13	V	2.7	0	2.88	217
401430235	2011	7	30	14	V	3.3	0	3.39	184
401430235	2011	7	30	15	V	4.1	1	2.67	304
401430235	2011	7	30	16	V	3.4	1	2.33	279
401430235	2011	7	30	17	V	2.4	1	2.55	230
401430235	2011	7	30	18	V	6.5	1	1.4	257
401430235	2011	7	30	19	C	-999	1	0	0
401430235	2011	7	30	20	C	-999	1	0	0
401430235	2011	7	30	21	V	2.0	1	0.84	230
401430235	2011	7	30	22	V	1.5	1	0.87	237
401430235	2011	7	30	23	V	1.2	1	0.91	240
401430235	2011	7	30	24	V	3.1	1	0.72	229
401430235	2011	7	31	1	C	-999	1	0	0
401430235	2011	7	31	2	C	-999	1	0	0
401430235	2011	7	31	3	V	6.8	0	0.55	27
401430235	2011	7	31	4	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	7	31	5	V	1.4	0	0.77	258
401430235	2011	7	31	6	C	-999	1	0	0
401430235	2011	7	31	7	V	2.4	0	0.97	206
401430235	2011	7	31	8	V	2.7	0	1.47	215
401430235	2011	7	31	9	V	1.6	1	2.96	214
401430235	2011	7	31	10	V	1.1	1	3.56	235
401430235	2011	7	31	11	V	1.8	0	2.79	225
401430235	2011	7	31	12	V	2.6	0	2.04	241
401430235	2011	7	31	13	V	2.8	1	2.64	176
401430235	2011	7	31	14	V	3.3	1	2.89	141
401430235	2011	7	31	15	V	2.5	1	2.23	183
401430235	2011	7	31	16	V	2.8	1	2.76	183
401430235	2011	7	31	17	V	2.3	1	3.51	131
401430235	2011	7	31	18	V	5.9	1	4.09	120
401430235	2011	7	31	19	V	1.6	1	4.41	109
401430235	2011	7	31	20	V	2.0	1	3.61	117
401430235	2011	7	31	21	V	1.5	1	3.08	119
401430235	2011	7	31	22	V	1.0	1	3.63	142
401430235	2011	7	31	23	V	0.8	1	2.71	153
401430235	2011	7	31	24	V	2.3	1	2.33	152
401430235	2011	8	1	1	V	5.6	1	2.48	173
401430235	2011	8	1	2	V	2.7	0	2.57	171
401430235	2011	8	1	3	V	4.5	1	1.81	172
401430235	2011	8	1	4	V	1.5	1	0.79	227
401430235	2011	8	1	5	C	-999	0	0	0
401430235	2011	8	1	6	V	9.5	0	0.87	196
401430235	2011	8	1	7	V	1.6	1	1.4	210
401430235	2011	8	1	8	V	1.6	1	2.71	194
401430235	2011	8	1	9	V	1.7	1	2.45	212
401430235	2011	8	1	10	V	1.3	1	2.62	218
401430235	2011	8	1	11	V	1.7	1	2.64	249
401430235	2011	8	1	12	V	2.5	1	2.35	229
401430235	2011	8	1	13	V	2.8	1	2.21	183
401430235	2011	8	1	14	V	3.4	1	2.84	195
401430235	2011	8	1	15	V	2.4	1	2.73	166
401430235	2011	8	1	16	V	2.8	1	2.42	214
401430235	2011	8	1	17	V	2.5	1	2.44	177
401430235	2011	8	1	18	V	5.9	1	3.81	149
401430235	2011	8	1	19	V	1.7	1	3.41	170
401430235	2011	8	1	20	V	2.1	1	1.82	194
401430235	2011	8	1	21	V	2.0	1	0.96	220
401430235	2011	8	1	22	V	2.1	1	0.68	224
401430235	2011	8	1	23	V	2.7	0	0.6	279
401430235	2011	8	1	24	V	4.0	0	0.58	269
401430235	2011	8	2	1	V	6.4	1	0.8	221
401430235	2011	8	2	2	V	3.0	1	1.43	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	2	3	V	5.3	1	1.03	187
401430235	2011	8	2	4	V	0.8	1	2.05	164
401430235	2011	8	2	5	V	1.0	1	1.47	181
401430235	2011	8	2	6	V	8.7	1	1.3	168
401430235	2011	8	2	7	V	1.3	1	1.6	171
401430235	2011	8	2	8	V	1.5	1	3.03	177
401430235	2011	8	2	9	V	1.7	1	3	198
401430235	2011	8	2	10	V	1.2	1	3.12	218
401430235	2011	8	2	11	V	1.7	1	3.71	215
401430235	2011	8	2	12	V	2.4	1	3.42	221
401430235	2011	8	2	13	V	2.7	1	4.05	190
401430235	2011	8	2	14	V	3.3	2	4.46	189
401430235	2011	8	2	15	V	2.3	5	3.52	205
401430235	2011	8	2	16	V	2.6	7	4.29	210
401430235	2011	8	2	17	V	2.4	2	3.76	197
401430235	2011	8	2	18	V	5.9	1	3.17	219
401430235	2011	8	2	19	V	1.7	1	1.76	218
401430235	2011	8	2	20	V	2.3	1	0.86	234
401430235	2011	8	2	21	C	-999	1	0	0
401430235	2011	8	2	22	V	3.0	1	0.55	258
401430235	2011	8	2	23	V	1.7	1	0.72	225
401430235	2011	8	2	24	V	2.8	1	0.84	233
401430235	2011	8	3	1	V	5.8	1	1.18	248
401430235	2011	8	3	2	V	3.3	1	1.5	219
401430235	2011	8	3	3	V	4.7	1	1.03	244
401430235	2011	8	3	4	V	2.2	1	0.62	222
401430235	2011	8	3	5	V	3.1	1	0.58	42
401430235	2011	8	3	6	V	8.5	4	1.38	14
401430235	2011	8	3	7	V	1.8	3	1.06	224
401430235	2011	8	3	8	V	2.2	2	1.62	213
401430235	2011	8	3	9	V	1.7	1	2.64	221
401430235	2011	8	3	10	V	1.6	1	2.03	279
401430235	2011	8	3	11	V	8.1	1	1.52	316
401430235	2011	8	3	12	V	6.7	1	2.22	309
401430235	2011	8	3	13	V	2.9	1	2.25	273
401430235	2011	8	3	14	V	3.4	1	2.01	247
401430235	2011	8	3	15	V	2.8	1	3.29	356
401430235	2011	8	3	16	V	3.4	1	1.98	3
401430235	2011	8	3	17	V	4.6	1	1.98	343
401430235	2011	8	3	18	V	6.9	1	1.96	359
401430235	2011	8	3	19	V	4.7	1	0.91	294
401430235	2011	8	3	20	V	3.5	1	3.01	347
401430235	2011	8	3	21	V	1.5	1	3.44	17
401430235	2011	8	3	22	V	1.1	1	1.52	67
401430235	2011	8	3	23	V	0.8	1	1.82	266
401430235	2011	8	3	24	V	20.5	1	1.62	334

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	4	1	V	10.5	1	3.57	342
401430235	2011	8	4	2	V	2.8	1	5.48	10
401430235	2011	8	4	3	V	4.5	0	5.27	12
401430235	2011	8	4	4	V	0.9	1	5.38	30
401430235	2011	8	4	5	V	4.3	1	4.41	41
401430235	2011	8	4	6	V	8.4	1	3.03	68
401430235	2011	8	4	7	V	1.1	1	3.08	58
401430235	2011	8	4	8	V	2.9	1	3.56	33
401430235	2011	8	4	9	V	1.6	0	3.66	56
401430235	2011	8	4	10	V	1.0	1	3.88	71
401430235	2011	8	4	11	V	1.6	0	4.22	110
401430235	2011	8	4	12	V	2.3	0	4.49	122
401430235	2011	8	4	13	V	2.5	1	4.66	125
401430235	2011	8	4	14	V	3.1	1	4.8	116
401430235	2011	8	4	15	V	2.1	1	4.46	106
401430235	2011	8	4	16	V	2.6	1	3.83	109
401430235	2011	8	4	17	V	2.3	1	2.72	85
401430235	2011	8	4	18	V	6.0	1	2.47	83
401430235	2011	8	4	19	V	1.6	0	2.86	117
401430235	2011	8	4	20	V	1.9	1	2.21	130
401430235	2011	8	4	21	V	1.9	1	0.99	55
401430235	2011	8	4	22	V	1.1	1	1.77	126
401430235	2011	8	4	23	V	0.8	1	2.76	163
401430235	2011	8	4	24	V	2.3	0	3.27	166
401430235	2011	8	5	1	V	5.6	1	3.1	174
401430235	2011	8	5	2	V	3.1	1	1.06	206
401430235	2011	8	5	3	V	4.7	1	1.33	172
401430235	2011	8	5	4	V	0.8	1	1.94	170
401430235	2011	8	5	5	V	1.0	1	1.42	178
401430235	2011	8	5	6	V	8.9	1	1.11	200
401430235	2011	8	5	7	V	1.4	1	1.26	157
401430235	2011	8	5	8	V	1.8	1	2.23	201
401430235	2011	8	5	9	V	1.6	1	3.05	221
401430235	2011	8	5	10	V	1.0	1	4.17	225
401430235	2011	8	5	11	V	1.7	1	4.63	219
401430235	2011	8	5	12	V	2.3	1	6.16	206
401430235	2011	8	5	13	V	2.7	1	5.92	195
401430235	2011	8	5	14	V	3.3	1	3.93	207
401430235	2011	8	5	15	V	2.3	1	5.48	190
401430235	2011	8	5	16	V	2.8	1	4.36	185
401430235	2011	8	5	17	V	2.4	1	4.08	188
401430235	2011	8	5	18	V	6.1	1	3.46	188
401430235	2011	8	5	19	V	1.7	1	4.14	178
401430235	2011	8	5	20	V	1.9	1	3.73	170
401430235	2011	8	5	21	V	1.4	1	3.58	172
401430235	2011	8	5	22	V	1.1	1	3.15	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	5	23	V	0.8	1	3.71	189
401430235	2011	8	5	24	V	2.3	1	3.59	195
401430235	2011	8	6	1	V	5.6	1	2.42	202
401430235	2011	8	6	2	V	2.8	1	3.22	199
401430235	2011	8	6	3	V	4.5	1	3.17	187
401430235	2011	8	6	4	V	1.5	1	1.26	216
401430235	2011	8	6	5	V	0.8	1	1.42	230
401430235	2011	8	6	6	V	8.5	1	1.33	231
401430235	2011	8	6	7	V	1.4	1	1.2	234
401430235	2011	8	6	8	V	2.3	1	1.52	179
401430235	2011	8	6	9	V	1.7	1	2.44	172
401430235	2011	8	6	10	V	1.3	1	3.9	186
401430235	2011	8	6	11	V	1.8	1	4.43	189
401430235	2011	8	6	12	V	2.5	1	4.34	191
401430235	2011	8	6	13	V	2.6	1	3.59	213
401430235	2011	8	6	14	V	3.2	1	3.54	214
401430235	2011	8	6	15	V	2.2	1	3.05	225
401430235	2011	8	6	16	V	2.7	1	2.84	220
401430235	2011	8	6	17	V	2.3	1	2.96	213
401430235	2011	8	6	18	V	5.8	1	7.29	355
401430235	2011	8	6	19	V	5.3	1	5.12	303
401430235	2011	8	6	20	V	2.0	1	3.86	4
401430235	2011	8	6	21	V	27.1	1	2.91	320
401430235	2011	8	6	22	V	32.7	1	2.27	319
401430235	2011	8	6	23	V	1.4	1	1.87	218
401430235	2011	8	6	24	V	2.8	1	0.94	143
401430235	2011	8	7	1	V	5.7	1	1.47	106
401430235	2011	8	7	2	V	2.8	0	1.77	147
401430235	2011	8	7	3	V	4.5	1	1.84	196
401430235	2011	8	7	4	V	1.2	1	1.28	212
401430235	2011	8	7	5	V	1.1	1	1.26	200
401430235	2011	8	7	6	V	9.2	1	0.75	246
401430235	2011	8	7	7	C	-999	1	0	0
401430235	2011	8	7	8	V	1.5	1	2.3	156
401430235	2011	8	7	9	V	1.6	1	3.32	176
401430235	2011	8	7	10	V	1.3	1	4.56	189
401430235	2011	8	7	11	V	1.8	1	4.41	201
401430235	2011	8	7	12	V	2.5	1	4.44	191
401430235	2011	8	7	13	V	2.6	1	5.31	199
401430235	2011	8	7	14	V	3.3	1	5.26	197
401430235	2011	8	7	15	V	2.2	1	3.44	210
401430235	2011	8	7	16	V	2.7	1	3.15	207
401430235	2011	8	7	17	V	2.2	1	4.19	228
401430235	2011	8	7	18	V	5.9	1	3.25	230
401430235	2011	8	7	19	V	1.7	1	1.81	217
401430235	2011	8	7	20	V	2.5	1	0.67	231

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	7	21	V	2.2	1	0.77	216
401430235	2011	8	7	22	V	1.4	1	1.16	171
401430235	2011	8	7	23	V	1.9	1	0.75	152
401430235	2011	8	7	24	V	2.4	1	1.55	138
401430235	2011	8	8	1	V	5.7	1	1.88	171
401430235	2011	8	8	2	V	2.8	1	1.79	176
401430235	2011	8	8	3	V	4.8	1	1.25	198
401430235	2011	8	8	4	V	1.1	1	1.25	206
401430235	2011	8	8	5	V	1.4	1	0.86	211
401430235	2011	8	8	6	V	8.9	1	0.89	9
401430235	2011	8	8	7	V	1.2	1	1.5	160
401430235	2011	8	8	8	V	1.6	1	2.3	155
401430235	2011	8	8	9	V	1.7	1	3.15	179
401430235	2011	8	8	10	V	1.1	1	4.75	213
401430235	2011	8	8	11	V	1.7	1	3.95	218
401430235	2011	8	8	12	V	2.4	1	3.46	227
401430235	2011	8	8	13	V	3.6	1	1.93	282
401430235	2011	8	8	14	V	4.1	1	4	349
401430235	2011	8	8	15	V	2.2	1	3.93	59
401430235	2011	8	8	16	V	2.6	1	4.2	76
401430235	2011	8	8	17	V	2.3	1	2.83	64
401430235	2011	8	8	18	V	6.5	1	3.85	34
401430235	2011	8	8	19	V	1.9	1	4.68	47
401430235	2011	8	8	20	V	2.1	1	5.41	5
401430235	2011	8	8	21	V	1.4	1	5.09	170
401430235	2011	8	8	22	V	1.1	1	2.69	16
401430235	2011	8	8	23	V	0.9	1	3.52	49
401430235	2011	8	8	24	V	3.3	1	4.93	47
401430235	2011	8	9	1	V	5.6	1	4.82	79
401430235	2011	8	9	2	V	2.8	1	3.8	100
401430235	2011	8	9	3	V	4.4	1	3.47	115
401430235	2011	8	9	4	V	0.8	1	3.44	114
401430235	2011	8	9	5	V	0.7	1	2.98	144
401430235	2011	8	9	6	V	8.5	1	1.48	95
401430235	2011	8	9	7	V	1.0	1	2.5	90
401430235	2011	8	9	8	V	1.3	1	3.34	107
401430235	2011	8	9	9	V	1.6	1	2.37	101
401430235	2011	8	9	10	V	1.8	1	1.5	112
401430235	2011	8	9	11	V	2.8	1	1.35	155
401430235	2011	8	9	12	V	4.3	0	2.18	33
401430235	2011	8	9	13	V	2.7	1	3.03	24
401430235	2011	8	9	14	V	4.9	1	3.29	48
401430235	2011	8	9	15	V	3.1	1	2.98	51
401430235	2011	8	9	16	V	2.6	1	3.15	97
401430235	2011	8	9	17	V	2.2	1	3.42	118
401430235	2011	8	9	18	V	5.8	1	4.05	130

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	9	19	V	1.6	1	3.51	129
401430235	2011	8	9	20	V	1.9	1	2.08	106
401430235	2011	8	9	21	V	1.5	1	1.74	83
401430235	2011	8	9	22	V	2.6	1	2.45	36
401430235	2011	8	9	23	V	0.9	1	4.73	27
401430235	2011	8	9	24	V	2.3	1	4.8	55
401430235	2011	8	10	1	V	5.7	1	5.65	89
401430235	2011	8	10	2	V	2.8	1	4.85	114
401430235	2011	8	10	3	V	4.5	1	6.96	57
401430235	2011	8	10	4	M	-999	1	999	999
401430235	2011	8	10	5	M	-999	0	999	999
401430235	2011	8	10	6	M	-999	1	999	999
401430235	2011	8	10	7	M	-999	1	999	999
401430235	2011	8	10	8	M	-999	1	999	999
401430235	2011	8	10	9	M	-999	0	999	999
401430235	2011	8	10	10	M	-999	1	999	999
401430235	2011	8	10	11	M	-999	1	999	999
401430235	2011	8	10	12	M	-999	0	999	999
401430235	2011	8	10	13	M	-999	0	999	999
401430235	2011	8	10	14	M	-999	1	5.16	65
401430235	2011	8	10	15	M	-999	1	6.01	97
401430235	2011	8	10	16	M	-999	1	4.92	110
401430235	2011	8	10	17	M	-999	1	3.92	122
401430235	2011	8	10	18	M	-999	1	3.98	73
401430235	2011	8	10	19	M	-999	1	4.31	19
401430235	2011	8	10	20	V	2.0	1	3.34	60
401430235	2011	8	10	21	V	1.5	1	4.54	60
401430235	2011	8	10	22	V	1.1	0	4.63	68
401430235	2011	8	10	23	V	3.9	1	4.17	42
401430235	2011	8	10	24	V	2.4	0	4.59	51
401430235	2011	8	11	1	V	5.7	0	3.27	67
401430235	2011	8	11	2	V	2.8	0	2.64	58
401430235	2011	8	11	3	V	4.6	0	1.16	21
401430235	2011	8	11	4	V	0.9	0	1.65	26
401430235	2011	8	11	5	V	0.8	0	1.93	32
401430235	2011	8	11	6	V	8.4	0	1.89	80
401430235	2011	8	11	7	V	1.1	1	2.54	88
401430235	2011	8	11	8	V	1.3	1	3.52	105
401430235	2011	8	11	9	V	1.6	0	2.57	103
401430235	2011	8	11	10	V	6.7	1	2.72	305
401430235	2011	8	11	11	V	8.0	1	2.06	302
401430235	2011	8	11	12	V	2.4	1	3	23
401430235	2011	8	11	13	V	2.4	1	6.12	112
401430235	2011	8	11	14	V	3.4	1	1.91	238
401430235	2011	8	11	15	V	3.1	1	1.35	176
401430235	2011	8	11	16	V	2.6	1	3.05	111

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	11	17	V	2.2	0	3.54	95
401430235	2011	8	11	18	V	5.8	1	4.49	114
401430235	2011	8	11	19	V	1.7	0	4.71	120
401430235	2011	8	11	20	V	1.9	0	2.95	139
401430235	2011	8	11	21	V	1.5	1	1.67	169
401430235	2011	8	11	22	V	1.2	1	1.3	146
401430235	2011	8	11	23	V	1.0	0	1.38	164
401430235	2011	8	11	24	V	2.6	0	1.08	141
401430235	2011	8	12	1	V	5.7	0	1.48	147
401430235	2011	8	12	2	V	2.8	0	1.59	149
401430235	2011	8	12	3	V	4.6	1	1.62	177
401430235	2011	8	12	4	V	0.8	1	2.35	172
401430235	2011	8	12	5	V	0.8	1	2.39	167
401430235	2011	8	12	6	V	8.5	1	1.79	152
401430235	2011	8	12	7	V	1.1	1	2.35	141
401430235	2011	8	12	8	V	1.5	1	2.57	150
401430235	2011	8	12	9	V	1.9	1	2.25	177
401430235	2011	8	12	10	V	1.4	1	2.06	114
401430235	2011	8	12	11	V	1.6	1	4.29	61
401430235	2011	8	12	12	V	2.4	1	2.96	69
401430235	2011	8	12	13	V	2.4	-999	6.48	66
401430235	2011	8	12	14	V	3.1	-999	6.7	93
401430235	2011	8	12	15	V	2.1	0	5.65	119
401430235	2011	8	12	16	V	2.5	0	5.48	107
401430235	2011	8	12	17	V	2.2	0	8.3	69
401430235	2011	8	12	18	V	5.8	0	5.77	88
401430235	2011	8	12	19	V	1.7	0	4.85	125
401430235	2011	8	12	20	V	1.9	0	3.86	151
401430235	2011	8	12	21	V	1.5	0	3.01	185
401430235	2011	8	12	22	V	1.1	0	2.67	269
401430235	2011	8	12	23	V	0.9	0	5.48	6
401430235	2011	8	12	24	V	2.5	0	6.14	52
401430235	2011	8	13	1	V	5.7	0	6.45	103
401430235	2011	8	13	2	V	2.7	0	4.05	131
401430235	2011	8	13	3	V	4.4	0	2.32	144
401430235	2011	8	13	4	V	0.8	0	2.22	182
401430235	2011	8	13	5	V	0.9	0	1.13	263
401430235	2011	8	13	6	V	9.1	0	0.8	4
401430235	2011	8	13	7	V	2.3	0	1.08	357
401430235	2011	8	13	8	V	2.8	0	1.86	28
401430235	2011	8	13	9	V	1.9	0	2.13	80
401430235	2011	8	13	10	V	1.5	0	1.82	143
401430235	2011	8	13	11	V	2.5	0	1.5	166
401430235	2011	8	13	12	V	2.7	0	1.65	227
401430235	2011	8	13	13	V	2.7	0	1.94	242
401430235	2011	8	13	14	V	5.4	0	1.98	291

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	13	15	V	7.4	0	1.87	308
401430235	2011	8	13	16	V	2.7	0	2.59	18
401430235	2011	8	13	17	V	2.4	0	2.33	21
401430235	2011	8	13	18	V	7.8	0	2.59	36
401430235	2011	8	13	19	V	1.6	0	2.91	22
401430235	2011	8	13	20	V	1.9	0	2.15	26
401430235	2011	8	13	21	V	1.6	0	1.28	1
401430235	2011	8	13	22	V	13.8	0	0.74	340
401430235	2011	8	13	23	C	-999	0	0	0
401430235	2011	8	13	24	V	4.5	0	0.55	271
401430235	2011	8	14	1	V	8.2	0	0.53	273
401430235	2011	8	14	2	C	-999	0	0	0
401430235	2011	8	14	3	V	12.7	0	0.69	296
401430235	2011	8	14	4	V	0.9	0	1.69	9
401430235	2011	8	14	5	V	0.8	0	2.93	13
401430235	2011	8	14	6	V	8.5	0	3	12
401430235	2011	8	14	7	V	1.1	0	2.88	15
401430235	2011	8	14	8	V	2.7	0	3.86	33
401430235	2011	8	14	9	V	5.5	0	3.35	41
401430235	2011	8	14	10	V	3.0	0	3.54	45
401430235	2011	8	14	11	V	2.9	0	3.12	36
401430235	2011	8	14	12	V	3.2	1	2.2	49
401430235	2011	8	14	13	V	3.2	1	2.18	51
401430235	2011	8	14	14	V	3.3	0	2.44	14
401430235	2011	8	14	15	V	2.2	0	2.95	8
401430235	2011	8	14	16	V	2.7	0	2.76	17
401430235	2011	8	14	17	V	2.4	0	2.38	14
401430235	2011	8	14	18	V	6.0	0	2.2	9
401430235	2011	8	14	19	V	5.1	1	2.52	39
401430235	2011	8	14	20	V	2.1	2	1.31	27
401430235	2011	8	14	21	V	2.1	2	0.8	10
401430235	2011	8	14	22	V	8.1	1	2.03	40
401430235	2011	8	14	23	V	2.0	0	2.08	35
401430235	2011	8	14	24	V	2.4	0	1.55	28
401430235	2011	8	15	1	V	6.3	0	0.84	67
401430235	2011	8	15	2	V	3.1	0	0.99	105
401430235	2011	8	15	3	V	4.5	0	1.67	113
401430235	2011	8	15	4	V	1.4	0	0.89	108
401430235	2011	8	15	5	V	2.0	0	0.84	187
401430235	2011	8	15	6	V	9.4	0	0.94	189
401430235	2011	8	15	7	V	1.5	0	1.2	183
401430235	2011	8	15	8	V	1.6	0	2.44	167
401430235	2011	8	15	9	V	1.5	0	3.91	166
401430235	2011	8	15	10	V	1.0	0	4.68	166
401430235	2011	8	15	11	V	1.6	0	4.44	161
401430235	2011	8	15	12	V	2.3	0	3.52	140

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	15	13	V	2.5	0	4.2	132
401430235	2011	8	15	14	V	3.1	0	4.22	128
401430235	2011	8	15	15	V	2.1	0	4.92	121
401430235	2011	8	15	16	V	2.5	0	5.33	106
401430235	2011	8	15	17	V	2.2	0	5.72	118
401430235	2011	8	15	18	V	5.8	0	6.36	118
401430235	2011	8	15	19	V	1.5	0	5.05	130
401430235	2011	8	15	20	V	1.9	0	3.97	135
401430235	2011	8	15	21	V	1.4	0	3.88	139
401430235	2011	8	15	22	V	1.1	0	4.68	139
401430235	2011	8	15	23	V	0.8	0	3.8	151
401430235	2011	8	15	24	V	2.3	0	3.51	162
401430235	2011	8	16	1	V	5.6	0	3.54	157
401430235	2011	8	16	2	V	2.7	0	3.12	160
401430235	2011	8	16	3	V	4.4	0	3.52	164
401430235	2011	8	16	4	V	0.8	0	3.18	168
401430235	2011	8	16	5	V	0.7	0	3.37	166
401430235	2011	8	16	6	V	8.4	0	3.2	166
401430235	2011	8	16	7	V	0.9	0	3.1	166
401430235	2011	8	16	8	V	1.3	0	4.15	166
401430235	2011	8	16	9	V	1.4	0	5.12	170
401430235	2011	8	16	10	V	1.1	0	5	170
401430235	2011	8	16	11	V	1.7	0	5.84	177
401430235	2011	8	16	12	V	2.4	0	6.02	182
401430235	2011	8	16	13	V	2.6	0	6.11	182
401430235	2011	8	16	14	V	3.2	0	6.3	174
401430235	2011	8	16	15	V	2.2	0	6.6	176
401430235	2011	8	16	16	V	2.7	0	6.38	181
401430235	2011	8	16	17	V	2.4	0	5.62	182
401430235	2011	8	16	18	V	5.9	0	4.56	169
401430235	2011	8	16	19	V	1.6	0	3.78	169
401430235	2011	8	16	20	V	1.9	0	2.71	172
401430235	2011	8	16	21	V	2.1	0	1.72	218
401430235	2011	8	16	22	M	-999	0	1.1	215
401430235	2011	8	16	23	M	-999	1	0.79	206
401430235	2011	8	16	24	M	-999	1	1.12	267
401430235	2011	8	17	1	M	-999	1	0.77	272
401430235	2011	8	17	2	V	3.4	1	0.79	255
401430235	2011	8	17	3	V	4.8	1	0.96	234
401430235	2011	8	17	4	V	1.2	1	0.94	227
401430235	2011	8	17	5	V	8.0	1	0.99	341
401430235	2011	8	17	6	V	9.4	2	0.8	283
401430235	2011	8	17	7	V	1.3	2	1.18	208
401430235	2011	8	17	8	V	3.4	1	1.06	220
401430235	2011	8	17	9	V	5.3	1	0.75	38
401430235	2011	8	17	10	V	5.2	1	0.63	43

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	17	11	V	2.3	1	1.43	252
401430235	2011	8	17	12	V	2.4	1	2.5	243
401430235	2011	8	17	13	V	2.6	0	2.71	241
401430235	2011	8	17	14	V	3.4	0	2.06	242
401430235	2011	8	17	15	V	2.6	0	1.43	249
401430235	2011	8	17	16	V	3.4	0	0.92	266
401430235	2011	8	17	17	V	3.2	1	0.7	245
401430235	2011	8	17	18	V	6.9	0	0.57	235
401430235	2011	8	17	19	V	12.1	0	0.62	298
401430235	2011	8	17	20	V	36.6	0	0.62	326
401430235	2011	8	17	21	V	2.0	0	0.89	359
401430235	2011	8	17	22	V	1.4	0	0.99	271
401430235	2011	8	17	23	V	1.2	0	1.25	31
401430235	2011	8	17	24	V	3.3	0	1.69	298
401430235	2011	8	18	1	V	5.8	0	3.2	228
401430235	2011	8	18	2	V	2.7	0	2.28	198
401430235	2011	8	18	3	V	4.5	0	2.79	187
401430235	2011	8	18	4	V	1.7	0	0.55	237
401430235	2011	8	18	5	V	1.7	0	0.67	244
401430235	2011	8	18	6	V	10.7	0	0.6	43
401430235	2011	8	18	7	V	1.8	0	0.89	232
401430235	2011	8	18	8	V	2.6	0	1.31	199
401430235	2011	8	18	9	V	2.1	0	1.98	174
401430235	2011	8	18	10	V	1.3	0	3.2	189
401430235	2011	8	18	11	V	1.8	-999	4.09	196
401430235	2011	8	18	12	V	2.4	0	4.07	206
401430235	2011	8	18	13	V	2.6	1	4.07	210
401430235	2011	8	18	14	V	3.2	1	4.03	208
401430235	2011	8	18	15	V	2.2	0	3.4	215
401430235	2011	8	18	16	V	2.8	1	3.58	197
401430235	2011	8	18	17	V	2.4	0	3.9	187
401430235	2011	8	18	18	V	6.1	1	3.56	179
401430235	2011	8	18	19	V	1.6	1	3.61	166
401430235	2011	8	18	20	V	1.9	1	2.71	160
401430235	2011	8	18	21	V	1.4	1	2.93	168
401430235	2011	8	18	22	V	1.0	1	2.47	167
401430235	2011	8	18	23	V	0.8	1	2.23	167
401430235	2011	8	18	24	V	3.4	1	0.89	190
401430235	2011	8	19	1	V	5.8	1	1.94	192
401430235	2011	8	19	2	V	2.8	1	2.25	186
401430235	2011	8	19	3	V	4.4	1	2.37	186
401430235	2011	8	19	4	V	0.9	1	3.27	188
401430235	2011	8	19	5	V	0.7	1	2.49	199
401430235	2011	8	19	6	V	9.1	1	1.59	345
401430235	2011	8	19	7	V	1.3	1	1.2	178
401430235	2011	8	19	8	V	2.0	1	1.77	211

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	19	9	V	1.7	1	3.51	184
401430235	2011	8	19	10	V	1.4	1	2.79	189
401430235	2011	8	19	11	V	1.9	1	2.95	176
401430235	2011	8	19	12	V	2.5	1	3.18	177
401430235	2011	8	19	13	V	2.7	1	3.52	194
401430235	2011	8	19	14	V	3.5	1	1.94	201
401430235	2011	8	19	15	V	2.5	1	1.99	163
401430235	2011	8	19	16	V	2.9	1	2.37	191
401430235	2011	8	19	17	V	2.5	1	2.5	202
401430235	2011	8	19	18	V	6.1	1	2.32	176
401430235	2011	8	19	19	C	-999	1	0	0
401430235	2011	8	19	20	C	-999	1	0	0
401430235	2011	8	19	21	V	2.4	1	0.72	278
401430235	2011	8	19	22	V	3.1	1	0.55	266
401430235	2011	8	19	23	V	3.0	1	0.53	226
401430235	2011	8	19	24	V	2.7	1	1.18	176
401430235	2011	8	20	1	V	6.8	1	0.65	223
401430235	2011	8	20	2	V	3.7	1	0.7	223
401430235	2011	8	20	3	V	4.9	1	1.11	203
401430235	2011	8	20	4	V	1.1	1	1.26	203
401430235	2011	8	20	5	V	0.8	0	1.55	231
401430235	2011	8	20	6	V	9.6	1	0.68	278
401430235	2011	8	20	7	V	43.7	1	0.82	316
401430235	2011	8	20	8	V	1.7	1	2.37	22
401430235	2011	8	20	9	V	2.0	1	1.99	72
401430235	2011	8	20	10	V	1.4	0	2.15	127
401430235	2011	8	20	11	V	2.2	0	2.01	178
401430235	2011	8	20	12	V	2.5	0	2.11	232
401430235	2011	8	20	13	V	3.8	1	0.79	304
401430235	2011	8	20	14	V	4.1	1	1.04	12
401430235	2011	8	20	15	V	2.9	2	0.92	338
401430235	2011	8	20	16	V	3.5	1	1.31	351
401430235	2011	8	20	17	V	2.3	0	3.97	4
401430235	2011	8	20	18	V	5.8	0	4.34	17
401430235	2011	8	20	19	V	1.6	0	2.37	24
401430235	2011	8	20	20	V	1.9	0	2.42	30
401430235	2011	8	20	21	V	1.5	0	2.61	33
401430235	2011	8	20	22	V	2.0	0	2.69	46
401430235	2011	8	20	23	V	1.9	0	2.37	46
401430235	2011	8	20	24	V	2.3	0	2.59	71
401430235	2011	8	21	1	V	5.6	0	1.96	158
401430235	2011	8	21	2	V	3.0	0	1.25	203
401430235	2011	8	21	3	V	4.8	0	1.31	183
401430235	2011	8	21	4	V	0.9	0	1.99	193
401430235	2011	8	21	5	V	1.3	0	1.03	202
401430235	2011	8	21	6	V	9.0	0	1.09	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	21	7	V	2.5	0	0.58	269
401430235	2011	8	21	8	V	18.1	0	0.82	316
401430235	2011	8	21	9	V	2.4	0	1.79	183
401430235	2011	8	21	10	V	1.9	0	1.94	171
401430235	2011	8	21	11	V	1.9	0	2.33	152
401430235	2011	8	21	12	V	2.6	0	1.96	135
401430235	2011	8	21	13	V	2.8	0	2.11	163
401430235	2011	8	21	14	V	3.4	0	2.93	180
401430235	2011	8	21	15	V	2.3	0	3.17	172
401430235	2011	8	21	16	V	2.8	0	3.27	190
401430235	2011	8	21	17	V	2.5	0	2.61	182
401430235	2011	8	21	18	V	6.1	0	2.45	181
401430235	2011	8	21	19	V	1.7	0	2.5	167
401430235	2011	8	21	20	V	1.9	0	2.32	164
401430235	2011	8	21	21	V	1.4	0	2.35	172
401430235	2011	8	21	22	V	1.1	0	1.62	161
401430235	2011	8	21	23	V	0.8	0	1.94	176
401430235	2011	8	21	24	V	2.3	0	2.15	165
401430235	2011	8	22	1	V	5.7	1	1.55	148
401430235	2011	8	22	2	V	3.5	0	0.8	116
401430235	2011	8	22	3	V	4.7	0	1.18	119
401430235	2011	8	22	4	V	1.7	0	0.92	196
401430235	2011	8	22	5	V	1.4	0	0.92	215
401430235	2011	8	22	6	V	8.7	0	1.23	208
401430235	2011	8	22	7	V	1.1	1	1.69	259
401430235	2011	8	22	8	V	7.6	1	0.58	354
401430235	2011	8	22	9	V	14.9	0	1.13	331
401430235	2011	8	22	10	V	2.2	0	1.35	17
401430235	2011	8	22	11	V	3.0	0	1.59	26
401430235	2011	8	22	12	V	3.6	0	2.57	50
401430235	2011	8	22	13	V	2.7	0	2.32	73
401430235	2011	8	22	14	V	3.2	1	3.03	69
401430235	2011	8	22	15	V	2.1	0	4.66	59
401430235	2011	8	22	16	V	2.6	0	4.27	79
401430235	2011	8	22	17	V	2.2	0	4.54	115
401430235	2011	8	22	18	V	5.8	0	4.82	122
401430235	2011	8	22	19	V	1.7	0	4.56	125
401430235	2011	8	22	20	V	1.9	0	3.98	123
401430235	2011	8	22	21	V	1.4	0	3.1	133
401430235	2011	8	22	22	V	1.0	0	2.27	162
401430235	2011	8	22	23	V	0.8	0	2.37	169
401430235	2011	8	22	24	V	2.3	0	3.03	173
401430235	2011	8	23	1	V	5.6	0	2.55	168
401430235	2011	8	23	2	V	2.8	0	1.72	146
401430235	2011	8	23	3	V	4.4	0	2.44	161
401430235	2011	8	23	4	V	0.9	0	1.93	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	23	5	V	1.6	0	0.92	177
401430235	2011	8	23	6	V	9.0	0	1.04	175
401430235	2011	8	23	7	V	1.8	0	0.89	179
401430235	2011	8	23	8	V	2.4	0	1.43	181
401430235	2011	8	23	9	V	2.0	0	2.03	196
401430235	2011	8	23	10	V	2.0	1	1.69	192
401430235	2011	8	23	11	V	1.7	-999	2.91	151
401430235	2011	8	23	12	V	2.4	0	3.78	163
401430235	2011	8	23	13	V	2.6	0	4.05	168
401430235	2011	8	23	14	V	3.2	0	3.81	171
401430235	2011	8	23	15	V	2.1	0	4.22	161
401430235	2011	8	23	16	V	2.6	0	4.12	157
401430235	2011	8	23	17	V	2.2	0	3.9	148
401430235	2011	8	23	18	V	5.9	0	3.88	160
401430235	2011	8	23	19	V	1.7	0	3.71	162
401430235	2011	8	23	20	V	1.9	0	3.76	163
401430235	2011	8	23	21	V	1.4	0	4.07	163
401430235	2011	8	23	22	V	1.0	0	4.76	167
401430235	2011	8	23	23	V	0.8	0	3.86	175
401430235	2011	8	23	24	V	2.3	0	2.84	181
401430235	2011	8	24	1	V	5.7	0	3.76	189
401430235	2011	8	24	2	V	2.8	0	3.05	193
401430235	2011	8	24	3	V	4.5	0	1.87	202
401430235	2011	8	24	4	V	0.9	0	2.03	192
401430235	2011	8	24	5	V	1.0	0	1.62	185
401430235	2011	8	24	6	V	8.9	0	1.43	190
401430235	2011	8	24	7	V	1.1	0	1.79	178
401430235	2011	8	24	8	V	1.6	0	3.08	186
401430235	2011	8	24	9	V	1.6	0	3.03	202
401430235	2011	8	24	10	V	1.1	0	3.95	214
401430235	2011	8	24	11	V	1.7	0	3.98	214
401430235	2011	8	24	12	V	2.4	0	4	210
401430235	2011	8	24	13	V	2.6	0	3.81	213
401430235	2011	8	24	14	V	3.2	0	3.83	215
401430235	2011	8	24	15	V	2.3	0	2.38	215
401430235	2011	8	24	16	V	2.8	0	3.23	192
401430235	2011	8	24	17	V	2.4	0	4.36	182
401430235	2011	8	24	18	V	6.0	0	3.23	173
401430235	2011	8	24	19	V	1.6	0	1.7	164
401430235	2011	8	24	20	V	2.0	0	3.34	137
401430235	2011	8	24	21	V	1.5	0	3.73	188
401430235	2011	8	24	22	V	1.1	0	2.98	189
401430235	2011	8	24	23	V	1.4	0	1.06	191
401430235	2011	8	24	24	V	2.6	0	1.16	153
401430235	2011	8	25	1	V	5.6	0	2.03	166
401430235	2011	8	25	2	V	2.7	0	2.08	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	25	3	V	4.5	0	1.82	143
401430235	2011	8	25	4	V	0.9	0	1.47	147
401430235	2011	8	25	5	V	1.0	0	1.13	7
401430235	2011	8	25	6	V	8.6	0	1.28	6
401430235	2011	8	25	7	V	1.1	0	1.88	20
401430235	2011	8	25	8	V	3.9	0	3.95	36
401430235	2011	8	25	9	V	3.8	0	5.36	41
401430235	2011	8	25	10	V	1.0	0	5.05	56
401430235	2011	8	25	11	V	2.5	0	4.63	49
401430235	2011	8	25	12	V	2.5	0	4.51	54
401430235	2011	8	25	13	V	4.3	0	4.87	45
401430235	2011	8	25	14	V	4.4	1	4.71	47
401430235	2011	8	25	15	V	3.8	4	4.27	35
401430235	2011	8	25	16	V	2.6	6	3.97	20
401430235	2011	8	25	17	V	2.2	7	3.73	19
401430235	2011	8	25	18	V	5.9	9	4.03	24
401430235	2011	8	25	19	V	1.7	3	3.44	27
401430235	2011	8	25	20	V	2.1	1	1.18	1
401430235	2011	8	25	21	V	8.2	1	0.87	343
401430235	2011	8	25	22	V	1.1	1	1.62	1
401430235	2011	8	25	23	V	0.8	1	1.79	9
401430235	2011	8	25	24	V	2.3	1	2.17	12
401430235	2011	8	26	1	V	5.7	0	1.51	13
401430235	2011	8	26	2	V	2.8	0	1.37	4
401430235	2011	8	26	3	M	-999	0	1.01	2
401430235	2011	8	26	4	M	-999	0	1.69	9
401430235	2011	8	26	5	M	-999	0	1.45	16
401430235	2011	8	26	6	M	-999	0	1.38	10
401430235	2011	8	26	7	M	-999	0	1.26	30
401430235	2011	8	26	8	V	3.7	1	0.92	22
401430235	2011	8	26	9	V	2.0	0	1.79	118
401430235	2011	8	26	10	V	1.6	0	1.7	134
401430235	2011	8	26	11	V	2.2	0	1.57	133
401430235	2011	8	26	12	V	3.3	0	1.26	67
401430235	2011	8	26	13	V	3.1	0	1.7	27
401430235	2011	8	26	14	V	3.7	0	1.5	136
401430235	2011	8	26	15	V	2.9	0	1.87	43
401430235	2011	8	26	16	V	2.7	0	2.3	109
401430235	2011	8	26	17	V	2.4	0	2.06	90
401430235	2011	8	26	18	V	5.9	0	2.67	86
401430235	2011	8	26	19	V	1.6	0	2.11	96
401430235	2011	8	26	20	M	-999	0	1.31	33
401430235	2011	8	26	21	M	-999	0	1.28	31
401430235	2011	8	26	22	M	-999	0	0.8	355
401430235	2011	8	26	23	M	-999	0	0.67	245
401430235	2011	8	26	24	M	-999	0	0.57	268

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	27	1	M	-999	1	0.84	282
401430235	2011	8	27	2	C	-999	1	0	0
401430235	2011	8	27	3	V	5.7	1	0.63	244
401430235	2011	8	27	4	C	-999	1	0	0
401430235	2011	8	27	5	M	-999	1	0.74	305
401430235	2011	8	27	6	M	-999	1	0.55	346
401430235	2011	8	27	7	M	-999	0	1.74	19
401430235	2011	8	27	8	M	-999	0	0.92	106
401430235	2011	8	27	9	M	-999	0	1.14	199
401430235	2011	8	27	10	M	-999	0	0.96	211
401430235	2011	8	27	11	M	-999	0	1.72	210
401430235	2011	8	27	12	M	-999	0	1.43	234
401430235	2011	8	27	13	M	-999	0	1.87	90
401430235	2011	8	27	14	M	-999	0	1.7	86
401430235	2011	8	27	15	M	-999	0	1.93	84
401430235	2011	8	27	16	M	-999	0	1.98	82
401430235	2011	8	27	17	M	-999	0	2.33	79
401430235	2011	8	27	18	M	-999	0	2.64	63
401430235	2011	8	27	19	V	1.7	0	1.54	87
401430235	2011	8	27	20	V	2.0	0	1.94	92
401430235	2011	8	27	21	V	2.1	0	0.84	90
401430235	2011	8	27	22	V	39.9	0	0.69	323
401430235	2011	8	27	23	V	2.9	0	0.57	274
401430235	2011	8	27	24	C	-999	0	0	0
401430235	2011	8	28	1	M	-999	0	0.75	312
401430235	2011	8	28	2	C	-999	1	0	0
401430235	2011	8	28	3	C	-999	0	0	0
401430235	2011	8	28	4	V	2.1	0	0.63	264
401430235	2011	8	28	5	V	19.8	1	0.55	302
401430235	2011	8	28	6	V	49.3	0	1.03	321
401430235	2011	8	28	7	V	2.5	0	0.7	48
401430235	2011	8	28	8	V	2.0	0	1.55	108
401430235	2011	8	28	9	V	1.5	0	3.03	153
401430235	2011	8	28	10	V	1.1	0	3.59	173
401430235	2011	8	28	11	V	1.7	0	5.09	172
401430235	2011	8	28	12	V	2.3	0	4.41	168
401430235	2011	8	28	13	V	2.6	0	3.78	163
401430235	2011	8	28	14	V	3.2	0	3.69	156
401430235	2011	8	28	15	V	2.2	0	3.56	164
401430235	2011	8	28	16	V	2.6	0	3.68	154
401430235	2011	8	28	17	V	2.2	0	4.02	135
401430235	2011	8	28	18	V	5.8	0	4.2	131
401430235	2011	8	28	19	V	1.7	0	3.03	125
401430235	2011	8	28	20	V	1.9	0	2.38	108
401430235	2011	8	28	21	V	1.4	0	2.15	132
401430235	2011	8	28	22	V	1.4	0	1.16	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	28	23	V	0.8	0	2.88	161
401430235	2011	8	28	24	V	2.3	0	1.98	142
401430235	2011	8	29	1	V	6.0	0	1.45	195
401430235	2011	8	29	2	V	2.8	0	1.4	101
401430235	2011	8	29	3	V	4.4	0	2.42	134
401430235	2011	8	29	4	V	0.8	0	4.83	77
401430235	2011	8	29	5	V	0.7	0	4.97	126
401430235	2011	8	29	6	V	8.4	0	4.65	148
401430235	2011	8	29	7	V	0.9	0	5.58	162
401430235	2011	8	29	8	V	1.3	0	6.77	166
401430235	2011	8	29	9	V	1.4	0	8.22	174
401430235	2011	8	29	10	V	1.0	0	8.9	171
401430235	2011	8	29	11	V	1.7	0	7.03	174
401430235	2011	8	29	12	V	2.5	0	6.59	185
401430235	2011	8	29	13	V	2.6	0	6.06	199
401430235	2011	8	29	14	V	3.3	0	5.17	191
401430235	2011	8	29	15	V	2.3	0	5.11	185
401430235	2011	8	29	16	V	2.8	0	5.6	189
401430235	2011	8	29	17	V	2.4	0	4.08	193
401430235	2011	8	29	18	V	6.1	0	3.71	193
401430235	2011	8	29	19	V	1.7	0	3.08	177
401430235	2011	8	29	20	V	1.9	0	3.25	145
401430235	2011	8	29	21	V	1.4	0	2.93	152
401430235	2011	8	29	22	V	1.0	0	3	151
401430235	2011	8	29	23	V	0.8	0	2.88	148
401430235	2011	8	29	24	V	2.3	0	2.84	149
401430235	2011	8	30	1	V	5.6	0	3.27	151
401430235	2011	8	30	2	V	2.7	0	3.98	160
401430235	2011	8	30	3	V	4.4	0	3.8	158
401430235	2011	8	30	4	V	0.8	0	4.34	161
401430235	2011	8	30	5	V	0.7	0	4.07	159
401430235	2011	8	30	6	V	8.4	0	4.57	161
401430235	2011	8	30	7	V	0.9	0	4.03	156
401430235	2011	8	30	8	V	1.3	0	3.81	163
401430235	2011	8	30	9	V	1.5	0	3.46	153
401430235	2011	8	30	10	V	1.0	0	4.58	163
401430235	2011	8	30	11	V	1.6	-999	5.77	169
401430235	2011	8	30	12	V	2.3	0	5.94	171
401430235	2011	8	30	13	V	2.6	1	6.48	181
401430235	2011	8	30	14	V	3.2	1	5.68	172
401430235	2011	8	30	15	V	2.2	1	6.67	180
401430235	2011	8	30	16	V	2.7	1	7.14	179
401430235	2011	8	30	17	V	2.3	1	6.48	174
401430235	2011	8	30	18	V	5.8	1	5.12	154
401430235	2011	8	30	19	V	1.6	1	4.61	148
401430235	2011	8	30	20	V	1.9	0	3.73	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	8	30	21	V	1.4	0	3.24	148
401430235	2011	8	30	22	V	1.0	0	2.59	148
401430235	2011	8	30	23	V	0.8	0	2.54	151
401430235	2011	8	30	24	V	2.2	0	2.71	165
401430235	2011	8	31	1	V	5.6	0	3.12	181
401430235	2011	8	31	2	V	2.7	1	3.05	180
401430235	2011	8	31	3	V	4.4	1	3.12	179
401430235	2011	8	31	4	V	0.8	1	3.47	171
401430235	2011	8	31	5	V	0.7	1	3.08	179
401430235	2011	8	31	6	V	8.4	0	3.29	170
401430235	2011	8	31	7	V	1.0	0	3.12	173
401430235	2011	8	31	8	V	1.4	1	3.54	171
401430235	2011	8	31	9	V	1.6	1	4.85	187
401430235	2011	8	31	10	V	1.2	1	5.87	190
401430235	2011	8	31	11	V	1.7	1	5.9	199
401430235	2011	8	31	12	V	2.4	1	6.58	197
401430235	2011	8	31	13	V	2.6	1	6.43	195
401430235	2011	8	31	14	V	3.3	1	6.31	184
401430235	2011	8	31	15	V	2.3	1	6.46	187
401430235	2011	8	31	16	V	2.7	1	6.31	184
401430235	2011	8	31	17	V	2.4	1	6.28	180
401430235	2011	8	31	18	V	6.0	1	5.72	181
401430235	2011	8	31	19	V	1.6	1	3.51	175
401430235	2011	8	31	20	V	1.9	0	3.05	170
401430235	2011	8	31	21	V	1.4	1	2.54	178
401430235	2011	8	31	22	V	1.1	1	2.1	185
401430235	2011	8	31	23	V	1.1	1	1.38	197
401430235	2011	8	31	24	V	2.7	0	1.47	188
401430235	2011	9	1	1	V	1.4	1	1.93	178
401430235	2011	9	1	2	V	1.6	1	2.15	178
401430235	2011	9	1	3	V	1.1	1	2.1	167
401430235	2011	9	1	4	V	1.8	1	1.3	96
401430235	2011	9	1	5	V	2.1	1	1.16	124
401430235	2011	9	1	6	C	-999	1	0	0
401430235	2011	9	1	7	V	1.6	1	1.96	166
401430235	2011	9	1	8	V	3.1	1	2.5	178
401430235	2011	9	1	9	V	1.8	1	4.37	195
401430235	2011	9	1	10	V	1.7	1	3.41	204
401430235	2011	9	1	11	V	3.0	1	3.12	206
401430235	2011	9	1	12	V	2.9	1	5	188
401430235	2011	9	1	13	V	5.5	1	4.77	186
401430235	2011	9	1	14	V	3.2	1	4.71	186
401430235	2011	9	1	15	V	2.5	1	4.14	185
401430235	2011	9	1	16	V	3.1	1	4.39	167
401430235	2011	9	1	17	V	4.3	1	5.45	166
401430235	2011	9	1	18	V	4.1	1	4.9	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	1	19	V	2.3	1	3.44	157
401430235	2011	9	1	20	V	2.6	1	2.81	148
401430235	2011	9	1	21	V	2.1	0	3.54	147
401430235	2011	9	1	22	V	2.3	0	2.23	167
401430235	2011	9	1	23	V	2.6	0	1.57	174
401430235	2011	9	1	24	V	2.3	0	1.2	158
401430235	2011	9	2	1	V	2.1	0	0.89	217
401430235	2011	9	2	2	V	1.7	0	1.67	176
401430235	2011	9	2	3	V	1.5	0	1.2	212
401430235	2011	9	2	4	C	-999	0	0	0
401430235	2011	9	2	5	V	4.2	0	0.53	227
401430235	2011	9	2	6	C	-999	0	0	0
401430235	2011	9	2	7	C	-999	1	0	0
401430235	2011	9	2	8	V	6.2	0	0.91	259
401430235	2011	9	2	9	V	1.9	0	2.96	193
401430235	2011	9	2	10	V	1.7	0	4.7	192
401430235	2011	9	2	11	V	2.9	0	4.36	189
401430235	2011	9	2	12	V	2.9	0	4.48	180
401430235	2011	9	2	13	V	5.5	0	4	179
401430235	2011	9	2	14	V	3.2	0	4.17	173
401430235	2011	9	2	15	V	2.4	0	4.8	148
401430235	2011	9	2	16	V	3.1	1	3.91	166
401430235	2011	9	2	17	V	4.4	1	3.98	150
401430235	2011	9	2	18	V	4.1	1	4.41	137
401430235	2011	9	2	19	V	2.3	1	3.78	125
401430235	2011	9	2	20	V	2.6	1	2.22	131
401430235	2011	9	2	21	V	2.1	0	2.44	144
401430235	2011	9	2	22	V	2.3	0	2.03	142
401430235	2011	9	2	23	V	2.4	0	2.28	138
401430235	2011	9	2	24	V	2.0	0	2.71	144
401430235	2011	9	3	1	V	1.3	0	2.67	148
401430235	2011	9	3	2	V	1.7	0	1.69	165
401430235	2011	9	3	3	V	1.4	0	1.33	176
401430235	2011	9	3	4	V	1.7	0	1.55	173
401430235	2011	9	3	5	V	2.2	0	1.31	200
401430235	2011	9	3	6	V	2.1	0	1.03	221
401430235	2011	9	3	7	V	1.7	0	1.3	231
401430235	2011	9	3	8	V	3.6	0	1.82	200
401430235	2011	9	3	9	V	2.0	0	2.54	183
401430235	2011	9	3	10	V	1.8	1	3.47	190
401430235	2011	9	3	11	V	2.9	1	3.4	189
401430235	2011	9	3	12	V	3.1	1	2.33	172
401430235	2011	9	3	13	V	5.5	1	3.08	113
401430235	2011	9	3	14	V	3.5	0	2.03	114
401430235	2011	9	3	15	V	2.5	0	3.3	111
401430235	2011	9	3	16	V	3.1	0	3.47	101

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	3	17	V	4.4	0	3.29	118
401430235	2011	9	3	18	V	4.2	1	3.44	111
401430235	2011	9	3	19	V	2.4	1	3.25	98
401430235	2011	9	3	20	V	2.6	1	2.71	100
401430235	2011	9	3	21	V	2.2	0	1.65	154
401430235	2011	9	3	22	V	2.6	0	1.14	113
401430235	2011	9	3	23	V	2.5	0	1.55	113
401430235	2011	9	3	24	V	2.0	0	1.77	15
401430235	2011	9	4	1	V	1.4	0	3.13	13
401430235	2011	9	4	2	V	1.7	0	4.12	2
401430235	2011	9	4	3	V	1.2	0	6.14	14
401430235	2011	9	4	4	V	1.7	0	6.26	17
401430235	2011	9	4	5	V	1.9	0	6.07	17
401430235	2011	9	4	6	V	1.7	0	6.01	15
401430235	2011	9	4	7	V	1.7	0	6.02	11
401430235	2011	9	4	8	V	2.7	0	6.47	7
401430235	2011	9	4	9	V	1.5	0	6.82	11
401430235	2011	9	4	10	V	1.5	0	7.86	22
401430235	2011	9	4	11	V	2.7	0	7.59	23
401430235	2011	9	4	12	V	2.7	0	6.55	18
401430235	2011	9	4	13	V	5.3	0	6.21	16
401430235	2011	9	4	14	V	3.0	0	7.71	24
401430235	2011	9	4	15	V	2.3	0	7.23	21
401430235	2011	9	4	16	V	2.9	0	6.16	10
401430235	2011	9	4	17	V	4.2	0	5.92	13
401430235	2011	9	4	18	V	4.1	0	5.82	12
401430235	2011	9	4	19	V	2.4	0	5.87	16
401430235	2011	9	4	20	V	2.7	0	4.39	10
401430235	2011	9	4	21	V	2.2	0	3.95	14
401430235	2011	9	4	22	V	2.4	0	4.27	15
401430235	2011	9	4	23	V	2.5	0	3.91	15
401430235	2011	9	4	24	V	2.1	0	3.78	14
401430235	2011	9	5	1	V	1.4	0	3.86	10
401430235	2011	9	5	2	V	1.7	0	4.51	10
401430235	2011	9	5	3	V	1.1	0	4.51	12
401430235	2011	9	5	4	V	1.7	0	4.34	10
401430235	2011	9	5	5	V	1.9	0	4.17	13
401430235	2011	9	5	6	V	1.6	0	3.91	15
401430235	2011	9	5	7	V	1.7	0	3.93	17
401430235	2011	9	5	8	V	2.7	0	4.37	21
401430235	2011	9	5	9	V	1.6	2	4.59	19
401430235	2011	9	5	10	V	1.5	1	5.31	19
401430235	2011	9	5	11	V	2.8	0	6.26	27
401430235	2011	9	5	12	V	2.7	0	6.09	15
401430235	2011	9	5	13	V	5.4	0	6.07	26
401430235	2011	9	5	14	V	3.1	0	6.01	26

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	5	15	V	2.3	0	5.02	17
401430235	2011	9	5	16	V	2.9	0	5.28	20
401430235	2011	9	5	17	V	4.3	0	4.88	14
401430235	2011	9	5	18	V	4.1	0	4.58	17
401430235	2011	9	5	19	V	2.4	0	3	25
401430235	2011	9	5	20	V	2.7	0	1.81	13
401430235	2011	9	5	21	V	2.2	0	1.54	10
401430235	2011	9	5	22	V	2.4	1	1.53	11
401430235	2011	9	5	23	V	2.5	0	1.67	12
401430235	2011	9	5	24	V	2.0	0	2.49	30
401430235	2011	9	6	1	V	1.3	0	2.49	26
401430235	2011	9	6	2	V	1.7	0	1.33	357
401430235	2011	9	6	3	V	1.1	0	1.47	353
401430235	2011	9	6	4	V	1.6	0	1.59	3
401430235	2011	9	6	5	V	2.0	0	1.26	1
401430235	2011	9	6	6	V	1.8	0	1.16	10
401430235	2011	9	6	7	V	1.7	0	1.4	13
401430235	2011	9	6	8	V	3.6	0	2.27	30
401430235	2011	9	6	9	V	1.6	1	3.3	80
401430235	2011	9	6	10	V	1.7	1	2.47	87
401430235	2011	9	6	11	V	2.9	1	3.05	65
401430235	2011	9	6	12	V	3.4	0	2.11	49
401430235	2011	9	6	13	V	5.7	1	2.4	9
401430235	2011	9	6	14	V	3.6	2	2.84	44
401430235	2011	9	6	15	V	2.9	2	2.86	40
401430235	2011	9	6	16	V	3.3	3	2.32	23
401430235	2011	9	6	17	V	4.4	2	2.74	18
401430235	2011	9	6	18	V	4.3	3	3.2	30
401430235	2011	9	6	19	V	2.4	3	1.5	19
401430235	2011	9	6	20	V	12.0	1	0.77	342
401430235	2011	9	6	21	V	8.3	0	0.67	293
401430235	2011	9	6	22	V	5.2	2	0.52	258
401430235	2011	9	6	23	V	39.0	4	0.58	323
401430235	2011	9	6	24	V	2.0	2	2.01	11
401430235	2011	9	7	1	V	1.3	1	2.11	11
401430235	2011	9	7	2	V	1.8	1	1.3	8
401430235	2011	9	7	3	V	1.1	1	1.91	9
401430235	2011	9	7	4	V	1.6	0	1.96	7
401430235	2011	9	7	5	C	-999	1	0	0
401430235	2011	9	7	6	V	1.6	2	1.45	20
401430235	2011	9	7	7	V	23.5	1	1.03	335
401430235	2011	9	7	8	V	4.2	0	1.65	34
401430235	2011	9	7	9	V	2.5	0	1.6	10
401430235	2011	9	7	10	V	2.2	0	1.81	7
401430235	2011	9	7	11	V	3.2	1	2.16	26
401430235	2011	9	7	12	V	3.1	1	3.32	31

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	7	13	V	5.5	1	3.3	11
401430235	2011	9	7	14	V	3.2	0	3.18	10
401430235	2011	9	7	15	V	2.4	0	3.42	15
401430235	2011	9	7	16	V	3.1	0	2.86	13
401430235	2011	9	7	17	V	4.3	0	3.61	12
401430235	2011	9	7	18	V	4.1	0	3.18	8
401430235	2011	9	7	19	V	2.4	0	1.91	352
401430235	2011	9	7	20	V	37.0	0	1.14	328
401430235	2011	9	7	21	V	3.5	0	0.74	284
401430235	2011	9	7	22	V	3.6	0	0.65	269
401430235	2011	9	7	23	V	4.2	0	0.58	246
401430235	2011	9	7	24	V	6.3	2	0.52	283
401430235	2011	9	8	1	V	3.1	2	0.58	261
401430235	2011	9	8	2	V	2.3	1	0.79	225
401430235	2011	9	8	3	V	1.4	3	1.03	25
401430235	2011	9	8	4	V	4.6	1	0.53	277
401430235	2011	9	8	5	V	2.2	0	0.96	226
401430235	2011	9	8	6	V	3.8	1	0.63	283
401430235	2011	9	8	7	C	-999	1	0	0
401430235	2011	9	8	8	V	3.1	1	2.42	23
401430235	2011	9	8	9	V	1.6	1	3.68	10
401430235	2011	9	8	10	V	1.6	1	3.25	17
401430235	2011	9	8	11	V	3.0	1	3.54	28
401430235	2011	9	8	12	V	3.0	1	3.05	12
401430235	2011	9	8	13	V	5.5	1	3.3	16
401430235	2011	9	8	14	V	3.1	1	3.49	22
401430235	2011	9	8	15	V	2.5	1	3.07	14
401430235	2011	9	8	16	V	3.1	0	2.95	25
401430235	2011	9	8	17	V	4.3	0	3.27	18
401430235	2011	9	8	18	V	4.1	1	2.95	15
401430235	2011	9	8	19	V	2.4	0	1.48	359
401430235	2011	9	8	20	V	43.9	0	0.86	313
401430235	2011	9	8	21	V	6.9	2	0.6	289
401430235	2011	9	8	22	V	3.7	3	0.65	211
401430235	2011	9	8	23	C	-999	1	0	0
401430235	2011	9	8	24	C	-999	1	0	0
401430235	2011	9	9	1	V	3.6	1	0.72	351
401430235	2011	9	9	2	V	36.1	0	0.55	313
401430235	2011	9	9	3	V	3.8	1	0.53	98
401430235	2011	9	9	4	C	-999	2	0	0
401430235	2011	9	9	5	C	-999	1	0	0
401430235	2011	9	9	6	V	2.9	1	0.62	234
401430235	2011	9	9	7	V	3.6	1	0.57	265
401430235	2011	9	9	8	C	-999	7	0	0
401430235	2011	9	9	9	V	4.1	25	1.35	56
401430235	2011	9	9	10	V	2.4	8	1.93	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	9	11	V	4.8	-999	2.35	304
401430235	2011	9	9	12	V	3.8	3	2.61	354
401430235	2011	9	9	13	V	6.2	3	2.28	359
401430235	2011	9	9	14	V	3.4	1	2.16	18
401430235	2011	9	9	15	V	3.0	0	3.12	357
401430235	2011	9	9	16	V	3.3	0	2.49	51
401430235	2011	9	9	17	V	5.1	2	1.18	277
401430235	2011	9	9	18	V	4.6	3	1.28	202
401430235	2011	9	9	19	V	2.5	1	1.2	246
401430235	2011	9	9	20	V	2.8	3	1.28	266
401430235	2011	9	9	21	V	40.4	2	1.08	310
401430235	2011	9	9	22	V	3.4	11	0.8	208
401430235	2011	9	9	23	V	4.1	12	0.6	255
401430235	2011	9	9	24	V	2.4	3	0.96	280
401430235	2011	9	10	1	V	19.6	2	1.2	305
401430235	2011	9	10	2	V	8.9	2	1.76	338
401430235	2011	9	10	3	V	21.0	1	1.21	335
401430235	2011	9	10	4	V	3.1	0	0.63	275
401430235	2011	9	10	5	V	2.1	1	0.99	264
401430235	2011	9	10	6	V	3.3	1	0.7	285
401430235	2011	9	10	7	V	2.1	1	0.82	228
401430235	2011	9	10	8	V	5.9	2	0.97	232
401430235	2011	9	10	9	V	9.5	2	2.52	309
401430235	2011	9	10	10	V	7.2	10	2.56	319
401430235	2011	9	10	11	V	6.6	6	3.35	315
401430235	2011	9	10	12	V	5.8	5	3.01	301
401430235	2011	9	10	13	V	6.7	6	2.72	291
401430235	2011	9	10	14	V	3.6	3	3.49	358
401430235	2011	9	10	15	V	2.9	1	1.54	88
401430235	2011	9	10	16	V	3.4	1	1.99	36
401430235	2011	9	10	17	V	4.6	1	2.33	23
401430235	2011	9	10	18	V	5.6	0	1.74	356
401430235	2011	9	10	19	V	3.9	2	1.72	343
401430235	2011	9	10	20	V	44.9	1	0.99	324
401430235	2011	9	10	21	V	6.9	0	0.72	293
401430235	2011	9	10	22	V	26.8	1	0.63	334
401430235	2011	9	10	23	V	7.3	1	0.52	285
401430235	2011	9	10	24	V	2.2	0	1.13	355
401430235	2011	9	11	1	V	1.7	0	0.94	267
401430235	2011	9	11	2	V	1.6	0	1.88	359
401430235	2011	9	11	3	V	1.3	0	1.5	348
401430235	2011	9	11	4	V	2.3	0	0.75	263
401430235	2011	9	11	5	V	3.5	0	0.6	268
401430235	2011	9	11	6	C	-999	0	0	0
401430235	2011	9	11	7	V	41.2	0	1.08	325
401430235	2011	9	11	8	V	2.9	0	2.4	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	11	9	V	1.8	1	2.28	11
401430235	2011	9	11	10	V	1.7	1	2.84	22
401430235	2011	9	11	11	V	2.9	1	2.76	14
401430235	2011	9	11	12	V	3.0	1	3.1	11
401430235	2011	9	11	13	V	5.5	1	3.23	14
401430235	2011	9	11	14	V	3.1	0	3.98	20
401430235	2011	9	11	15	V	2.4	0	3.69	21
401430235	2011	9	11	16	V	3.2	0	2.98	28
401430235	2011	9	11	17	V	4.5	0	2.71	54
401430235	2011	9	11	18	V	5.1	1	0.87	39
401430235	2011	9	11	19	V	2.5	1	1.23	80
401430235	2011	9	11	20	C	-999	1	0	0
401430235	2011	9	11	21	V	2.9	1	0.75	267
401430235	2011	9	11	22	V	5.5	0	0.6	285
401430235	2011	9	11	23	C	-999	1	0	0
401430235	2011	9	11	24	V	4.0	1	0.57	250
401430235	2011	9	12	1	C	-999	1	0	0
401430235	2011	9	12	2	C	-999	1	0	0
401430235	2011	9	12	3	V	3.9	1	0.52	261
401430235	2011	9	12	4	C	-999	2	0	0
401430235	2011	9	12	5	V	27.9	2	0.62	306
401430235	2011	9	12	6	V	2.7	3	0.65	234
401430235	2011	9	12	7	C	-999	3	0	0
401430235	2011	9	12	8	V	9.0	2	0.69	111
401430235	2011	9	12	9	V	4.8	1	1.04	177
401430235	2011	9	12	10	V	1.8	1	2.71	181
401430235	2011	9	12	11	V	2.9	1	3.78	192
401430235	2011	9	12	12	V	3.0	1	3.71	193
401430235	2011	9	12	13	V	5.5	1	3.49	175
401430235	2011	9	12	14	V	3.2	1	3.15	201
401430235	2011	9	12	15	V	2.5	1	3.49	180
401430235	2011	9	12	16	V	3.1	1	3.83	184
401430235	2011	9	12	17	V	4.5	1	3.98	177
401430235	2011	9	12	18	V	4.3	1	4.09	180
401430235	2011	9	12	19	V	2.3	1	2.93	166
401430235	2011	9	12	20	V	2.6	1	2.78	151
401430235	2011	9	12	21	V	2.1	1	2.79	164
401430235	2011	9	12	22	V	2.7	0	1.31	182
401430235	2011	9	12	23	V	2.4	0	2.38	178
401430235	2011	9	12	24	V	2.0	1	2.32	182
401430235	2011	9	13	1	V	1.4	1	2.08	186
401430235	2011	9	13	2	V	1.9	1	1.6	184
401430235	2011	9	13	3	V	1.2	1	1.5	165
401430235	2011	9	13	4	V	1.6	1	1.84	159
401430235	2011	9	13	5	V	1.8	1	2.22	151
401430235	2011	9	13	6	V	1.6	1	2.91	86

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	13	7	V	1.6	1	3.13	117
401430235	2011	9	13	8	V	2.8	3	2.86	119
401430235	2011	9	13	9	V	1.7	3	3.37	139
401430235	2011	9	13	10	V	1.5	1	4.32	152
401430235	2011	9	13	11	V	2.7	1	4.51	144
401430235	2011	9	13	12	V	2.9	1	4.37	168
401430235	2011	9	13	13	V	5.5	1	3.81	170
401430235	2011	9	13	14	V	3.4	1	2.32	206
401430235	2011	9	13	15	V	2.8	1	1.62	38
401430235	2011	9	13	16	V	3.5	1	1.7	45
401430235	2011	9	13	17	V	4.5	1	2.81	71
401430235	2011	9	13	18	V	4.2	1	2.83	85
401430235	2011	9	13	19	V	2.3	1	2.5	64
401430235	2011	9	13	20	V	2.7	1	1.68	7
401430235	2011	9	13	21	V	2.1	2	1.86	16
401430235	2011	9	13	22	V	2.3	2	2.49	11
401430235	2011	9	13	23	V	2.5	1	2.61	14
401430235	2011	9	13	24	V	2.0	1	3.52	10
401430235	2011	9	14	1	V	1.4	1	3.22	359
401430235	2011	9	14	2	V	1.7	1	4.53	11
401430235	2011	9	14	3	V	1.1	1	4.36	9
401430235	2011	9	14	4	V	2.0	1	4.17	356
401430235	2011	9	14	5	V	8.5	12	3.22	341
401430235	2011	9	14	6	V	1.7	3	3.29	359
401430235	2011	9	14	7	V	1.7	1	4.19	7
401430235	2011	9	14	8	V	2.9	2	4.09	352
401430235	2011	9	14	9	V	1.6	1	5.29	8
401430235	2011	9	14	10	V	1.5	1	6.69	17
401430235	2011	9	14	11	V	2.7	1	6.86	13
401430235	2011	9	14	12	V	2.7	1	6.69	22
401430235	2011	9	14	13	V	5.3	1	7.13	20
401430235	2011	9	14	14	V	3.0	1	7.4	26
401430235	2011	9	14	15	V	2.3	0	7.13	25
401430235	2011	9	14	16	V	3.0	0	7.79	32
401430235	2011	9	14	17	V	4.4	0	8.25	34
401430235	2011	9	14	18	V	4.1	1	7.14	29
401430235	2011	9	14	19	V	3.3	2	6.02	37
401430235	2011	9	14	20	V	3.5	1	5.56	45
401430235	2011	9	14	21	V	2.2	0	4.77	52
401430235	2011	9	14	22	V	2.4	0	4.99	50
401430235	2011	9	14	23	V	3.1	0	5.63	46
401430235	2011	9	14	24	V	2.2	0	5.72	49
401430235	2011	9	15	1	V	2.6	0	5.11	43
401430235	2011	9	15	2	V	3.0	0	4.87	43
401430235	2011	9	15	3	V	1.5	0	4.6	47
401430235	2011	9	15	4	V	1.6	0	2.91	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	15	5	V	1.9	0	3.3	29
401430235	2011	9	15	6	V	1.6	0	3.86	25
401430235	2011	9	15	7	V	1.7	0	4.87	30
401430235	2011	9	15	8	V	3.7	0	5.85	39
401430235	2011	9	15	9	V	1.6	0	5.09	52
401430235	2011	9	15	10	V	2.0	0	4.49	48
401430235	2011	9	15	11	V	3.1	0	4.77	33
401430235	2011	9	15	12	V	3.6	0	5.29	45
401430235	2011	9	15	13	V	5.7	0	4.82	49
401430235	2011	9	15	14	V	3.0	0	3.56	59
401430235	2011	9	15	15	V	3.6	0	3.68	41
401430235	2011	9	15	16	V	4.3	0	3.29	41
401430235	2011	9	15	17	V	4.3	0	3.3	69
401430235	2011	9	15	18	V	4.0	0	2.5	86
401430235	2011	9	15	19	V	2.4	0	3.2	56
401430235	2011	9	15	20	V	4.7	0	3.15	39
401430235	2011	9	15	21	V	2.2	0	1.84	20
401430235	2011	9	15	22	V	2.5	0	1.26	3
401430235	2011	9	15	23	V	2.5	0	1.93	16
401430235	2011	9	15	24	V	2.1	0	2.1	27
401430235	2011	9	16	1	V	1.4	0	1.64	23
401430235	2011	9	16	2	V	3.2	0	2.96	44
401430235	2011	9	16	3	V	1.1	0	1.81	31
401430235	2011	9	16	4	V	1.6	0	1.76	31
401430235	2011	9	16	5	V	1.8	0	1.74	85
401430235	2011	9	16	6	V	1.6	0	2.03	123
401430235	2011	9	16	7	V	1.6	0	1.96	128
401430235	2011	9	16	8	V	2.7	0	3.32	133
401430235	2011	9	16	9	V	1.6	0	3.34	131
401430235	2011	9	16	10	V	1.5	0	3.73	133
401430235	2011	9	16	11	V	2.7	0	3.73	129
401430235	2011	9	16	12	V	2.8	0	3.71	121
401430235	2011	9	16	13	V	5.3	0	3.34	97
401430235	2011	9	16	14	V	3.0	0	4.07	116
401430235	2011	9	16	15	V	2.3	0	3.46	139
401430235	2011	9	16	16	V	2.9	0	3.54	138
401430235	2011	9	16	17	V	4.3	0	3.46	140
401430235	2011	9	16	18	V	4.2	0	3.56	133
401430235	2011	9	16	19	V	2.4	0	2.98	131
401430235	2011	9	16	20	V	2.7	0	2.61	127
401430235	2011	9	16	21	V	2.2	0	2.93	124
401430235	2011	9	16	22	V	2.4	0	3.2	130
401430235	2011	9	16	23	V	2.5	0	2.3	132
401430235	2011	9	16	24	V	2.0	0	2.49	132
401430235	2011	9	17	1	V	1.4	0	2.55	124
401430235	2011	9	17	2	V	1.7	0	2.91	127

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	17	3	V	1.1	0	2.95	125
401430235	2011	9	17	4	V	1.6	0	2.98	105
401430235	2011	9	17	5	V	1.9	0	3.08	119
401430235	2011	9	17	6	V	1.6	0	2.96	121
401430235	2011	9	17	7	V	1.6	0	2.18	122
401430235	2011	9	17	8	V	3.0	0	2.38	139
401430235	2011	9	17	9	V	1.7	0	3.03	154
401430235	2011	9	17	10	V	1.6	0	2.5	145
401430235	2011	9	17	11	V	2.9	0	2.2	129
401430235	2011	9	17	12	V	2.8	0	3.58	107
401430235	2011	9	17	13	V	5.3	0	4.24	81
401430235	2011	9	17	14	V	3.0	0	4	78
401430235	2011	9	17	15	V	2.3	1	5.19	117
401430235	2011	9	17	16	V	2.9	0	5.97	116
401430235	2011	9	17	17	V	4.2	0	5.46	119
401430235	2011	9	17	18	V	4.0	0	5.95	134
401430235	2011	9	17	19	V	2.3	0	6.35	133
401430235	2011	9	17	20	V	2.7	0	4.82	136
401430235	2011	9	17	21	V	2.3	0	3.13	262
401430235	2011	9	17	22	V	2.5	0	2.15	227
401430235	2011	9	17	23	V	2.5	0	2.67	130
401430235	2011	9	17	24	V	2.0	0	3.17	130
401430235	2011	9	18	1	V	1.3	0	3.73	128
401430235	2011	9	18	2	V	1.6	0	4.94	169
401430235	2011	9	18	3	V	1.0	0	3.78	170
401430235	2011	9	18	4	V	1.6	0	3.2	171
401430235	2011	9	18	5	V	1.8	0	3.64	152
401430235	2011	9	18	6	V	1.5	0	3.61	141
401430235	2011	9	18	7	V	1.6	0	2.96	146
401430235	2011	9	18	8	V	2.9	0	2.45	166
401430235	2011	9	18	9	V	2.3	0	1.74	163
401430235	2011	9	18	10	V	1.9	0	2.67	177
401430235	2011	9	18	11	V	2.9	0	2.64	140
401430235	2011	9	18	12	V	2.9	0	2.1	108
401430235	2011	9	18	13	V	5.7	0	2.13	199
401430235	2011	9	18	14	V	3.4	0	2.15	276
401430235	2011	9	18	15	V	2.6	0	2.67	1
401430235	2011	9	18	16	V	3.2	1	4.07	354
401430235	2011	9	18	17	V	5.2	1	3.07	349
401430235	2011	9	18	18	V	4.9	1	2.81	348
401430235	2011	9	18	19	V	2.3	1	2.22	9
401430235	2011	9	18	20	V	2.7	0	1.71	1
401430235	2011	9	18	21	V	2.8	0	1.57	345
401430235	2011	9	18	22	V	2.6	0	2.15	346
401430235	2011	9	18	23	V	2.5	0	1.99	5
401430235	2011	9	18	24	V	8.7	0	1.94	338

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	19	1	V	1.9	0	1.84	345
401430235	2011	9	19	2	V	6.2	0	2.2	339
401430235	2011	9	19	3	V	1.8	0	1.91	344
401430235	2011	9	19	4	V	2.5	0	1.37	345
401430235	2011	9	19	5	V	33.4	0	0.92	332
401430235	2011	9	19	6	V	2.3	0	0.77	275
401430235	2011	9	19	7	V	41.5	0	0.84	327
401430235	2011	9	19	8	V	9.4	0	1.13	347
401430235	2011	9	19	9	V	1.7	0	2.81	13
401430235	2011	9	19	10	V	1.5	0	4.51	14
401430235	2011	9	19	11	V	2.7	0	4.43	12
401430235	2011	9	19	12	V	2.8	0	4.1	8
401430235	2011	9	19	13	V	5.4	0	4.44	8
401430235	2011	9	19	14	V	3.0	0	4.83	14
401430235	2011	9	19	15	V	2.3	0	4.27	20
401430235	2011	9	19	16	V	3.1	1	4.37	27
401430235	2011	9	19	17	V	5.3	1	4.09	40
401430235	2011	9	19	18	V	4.2	2	3.25	54
401430235	2011	9	19	19	V	2.7	1	0.89	6
401430235	2011	9	19	20	V	3.6	1	0.55	242
401430235	2011	9	19	21	C	-999	1	0	0
401430235	2011	9	19	22	C	-999	1	0	0
401430235	2011	9	19	23	V	4.8	1	0.55	274
401430235	2011	9	19	24	C	-999	1	0	0
401430235	2011	9	20	1	C	-999	1	0	0
401430235	2011	9	20	2	C	-999	1	0	0
401430235	2011	9	20	3	C	-999	1	0	0
401430235	2011	9	20	4	C	-999	1	0	0
401430235	2011	9	20	5	V	3.6	2	0.58	268
401430235	2011	9	20	6	C	-999	2	0	0
401430235	2011	9	20	7	C	-999	2	0	0
401430235	2011	9	20	8	V	7.2	1	0.72	200
401430235	2011	9	20	9	V	3.8	1	1.2	190
401430235	2011	9	20	10	V	1.8	1	2.71	183
401430235	2011	9	20	11	V	2.9	1	3.59	189
401430235	2011	9	20	12	V	3.0	0	3.39	189
401430235	2011	9	20	13	V	5.6	1	2.69	192
401430235	2011	9	20	14	V	3.4	1	2.16	181
401430235	2011	9	20	15	V	2.6	0	2.1	114
401430235	2011	9	20	16	V	3.1	0	3	137
401430235	2011	9	20	17	V	4.4	1	3.15	155
401430235	2011	9	20	18	V	4.1	0	3.1	125
401430235	2011	9	20	19	V	2.3	0	1.98	106
401430235	2011	9	20	20	V	19.2	0	0.6	339
401430235	2011	9	20	21	C	-999	0	0	0
401430235	2011	9	20	22	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	20	23	V	3.8	1	0.63	249
401430235	2011	9	20	24	V	4.5	0	0.69	287
401430235	2011	9	21	1	V	1.7	1	0.94	265
401430235	2011	9	21	2	V	12.7	1	0.6	296
401430235	2011	9	21	3	V	47.0	1	1.13	315
401430235	2011	9	21	4	V	1.6	0	2.45	7
401430235	2011	9	21	5	V	1.8	0	2.03	2
401430235	2011	9	21	6	V	1.6	0	3.56	8
401430235	2011	9	21	7	V	1.7	0	4.75	16
401430235	2011	9	21	8	V	2.7	0	4.68	25
401430235	2011	9	21	9	V	1.6	0	4.63	26
401430235	2011	9	21	10	V	3.1	1	6.09	39
401430235	2011	9	21	11	V	3.9	2	6.07	44
401430235	2011	9	21	12	V	2.8	1	5.24	70
401430235	2011	9	21	13	V	5.4	1	4.32	66
401430235	2011	9	21	14	V	3.8	1	4.24	36
401430235	2011	9	21	15	V	2.4	3	4.88	26
401430235	2011	9	21	16	V	3.0	2	5.12	26
401430235	2011	9	21	17	V	4.3	0	5.22	22
401430235	2011	9	21	18	V	4.1	0	6.05	29
401430235	2011	9	21	19	V	2.4	0	4.82	18
401430235	2011	9	21	20	V	2.8	0	5.04	16
401430235	2011	9	21	21	V	2.2	0	5.34	13
401430235	2011	9	21	22	V	2.4	0	5.87	21
401430235	2011	9	21	23	V	2.8	0	5.09	29
401430235	2011	9	21	24	V	2.1	0	3.34	13
401430235	2011	9	22	1	V	1.4	0	3.08	18
401430235	2011	9	22	2	V	1.8	0	3.63	359
401430235	2011	9	22	3	V	1.3	0	3.03	357
401430235	2011	9	22	4	V	1.9	0	2.91	356
401430235	2011	9	22	5	V	1.9	0	3.18	7
401430235	2011	9	22	6	V	8.4	0	2.18	341
401430235	2011	9	22	7	V	3.3	0	0.92	347
401430235	2011	9	22	8	V	3.7	0	1.45	23
401430235	2011	9	22	9	V	2.8	0	2.33	350
401430235	2011	9	22	10	V	1.6	0	3.46	19
401430235	2011	9	22	11	V	2.9	0	2.54	21
401430235	2011	9	22	12	V	2.8	0	3	14
401430235	2011	9	22	13	V	5.5	0	2.52	9
401430235	2011	9	22	14	V	3.6	-999	2.03	22
401430235	2011	9	22	15	V	3.3	-999	2.5	34
401430235	2011	9	22	16	V	3.6	4	2.33	53
401430235	2011	9	22	17	V	4.8	4	2.08	26
401430235	2011	9	22	18	V	6.4	3	1.84	48
401430235	2011	9	22	19	V	3.6	1	0.53	8
401430235	2011	9	22	20	V	4.9	0	0.53	224

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	22	21	V	2.4	1	1.23	283
401430235	2011	9	22	22	V	2.9	1	0.79	238
401430235	2011	9	22	23	V	3.4	1	0.74	219
401430235	2011	9	22	24	V	2.7	1	0.77	226
401430235	2011	9	23	1	V	3.3	1	0.58	210
401430235	2011	9	23	2	V	3.5	0	0.65	208
401430235	2011	9	23	3	M	-999	1	0.7	202
401430235	2011	9	23	4	M	-999	1	0.75	232
401430235	2011	9	23	5	M	-999	0	0.75	228
401430235	2011	9	23	6	M	-999	1	0.72	237
401430235	2011	9	23	7	C	-999	1	0	0
401430235	2011	9	23	8	V	6.7	1	0.74	191
401430235	2011	9	23	9	V	3.4	1	1.55	188
401430235	2011	9	23	10	V	1.9	0	2.89	191
401430235	2011	9	23	11	V	2.9	1	4.26	190
401430235	2011	9	23	12	V	2.9	1	5.43	186
401430235	2011	9	23	13	V	5.5	1	5.51	188
401430235	2011	9	23	14	V	3.2	1	5.26	191
401430235	2011	9	23	15	V	2.5	0	5.09	198
401430235	2011	9	23	16	V	3.1	0	4.41	205
401430235	2011	9	23	17	V	4.4	1	3.35	215
401430235	2011	9	23	18	V	4.8	1	1.69	211
401430235	2011	9	23	19	V	3.0	1	0.63	242
401430235	2011	9	23	20	V	3.8	1	0.57	272
401430235	2011	9	23	21	V	3.5	1	0.63	248
401430235	2011	9	23	22	V	2.6	1	1.08	259
401430235	2011	9	23	23	V	2.8	1	1.28	211
401430235	2011	9	23	24	V	2.6	1	0.82	226
401430235	2011	9	24	1	V	2.1	1	0.8	220
401430235	2011	9	24	2	C	-999	1	0	0
401430235	2011	9	24	3	V	1.8	1	0.77	253
401430235	2011	9	24	4	V	37.4	1	0.69	312
401430235	2011	9	24	5	V	2.1	1	1.09	360
401430235	2011	9	24	6	V	1.9	0	1.03	251
401430235	2011	9	24	7	C	-999	0	0	0
401430235	2011	9	24	8	V	8.7	1	0.67	200
401430235	2011	9	24	9	V	7.9	1	0.86	188
401430235	2011	9	24	10	V	2.9	1	1.45	138
401430235	2011	9	24	11	V	4.0	1	1.48	166
401430235	2011	9	24	12	V	3.2	1	2.01	122
401430235	2011	9	24	13	V	5.7	1	2.38	159
401430235	2011	9	24	14	V	3.2	1	3.07	178
401430235	2011	9	24	15	V	2.6	1	2.84	168
401430235	2011	9	24	16	V	3.2	1	3.34	187
401430235	2011	9	24	17	V	4.5	1	2.62	171
401430235	2011	9	24	18	V	4.6	1	0.75	77

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	24	19	V	2.6	1	1.14	13
401430235	2011	9	24	20	V	2.7	1	3.01	21
401430235	2011	9	24	21	V	2.2	0	5.5	30
401430235	2011	9	24	22	V	2.5	1	4.61	29
401430235	2011	9	24	23	V	4.0	0	4.92	36
401430235	2011	9	24	24	V	3.1	0	4.44	35
401430235	2011	9	25	1	V	1.3	0	3.51	30
401430235	2011	9	25	2	V	1.7	0	4.48	25
401430235	2011	9	25	3	V	1.2	0	5.22	27
401430235	2011	9	25	4	V	1.8	0	5.85	28
401430235	2011	9	25	5	V	1.9	0	5.17	24
401430235	2011	9	25	6	V	1.7	0	5.73	26
401430235	2011	9	25	7	V	1.7	0	4.92	18
401430235	2011	9	25	8	V	2.7	0	4.41	12
401430235	2011	9	25	9	V	1.6	1	5.55	18
401430235	2011	9	25	10	V	1.5	1	5.19	17
401430235	2011	9	25	11	V	2.7	2	6.67	26
401430235	2011	9	25	12	V	2.7	1	6.52	18
401430235	2011	9	25	13	V	5.3	1	6.43	25
401430235	2011	9	25	14	V	3.0	1	5.31	23
401430235	2011	9	25	15	V	2.3	1	4.63	14
401430235	2011	9	25	16	V	3.0	1	3.83	9
401430235	2011	9	25	17	V	4.3	1	3.98	19
401430235	2011	9	25	18	V	4.3	0	2.74	9
401430235	2011	9	25	19	V	2.3	1	1.91	360
401430235	2011	9	25	20	V	2.9	0	1.55	348
401430235	2011	9	25	21	V	2.2	1	1.48	351
401430235	2011	9	25	22	V	43.2	0	0.74	323
401430235	2011	9	25	23	V	5.6	0	0.62	286
401430235	2011	9	25	24	V	2.1	0	1.38	7
401430235	2011	9	26	1	V	2.5	0	0.69	17
401430235	2011	9	26	2	V	3.5	0	0.6	273
401430235	2011	9	26	3	V	2.1	0	0.72	278
401430235	2011	9	26	4	V	16.0	0	0.89	302
401430235	2011	9	26	5	C	-999	1	0	0
401430235	2011	9	26	6	C	-999	1	0	0
401430235	2011	9	26	7	V	1.8	2	1.18	268
401430235	2011	9	26	8	V	6.1	2	0.84	220
401430235	2011	9	26	9	V	2.9	1	1.77	190
401430235	2011	9	26	10	V	2.2	1	1.91	191
401430235	2011	9	26	11	V	3.2	1	2.2	176
401430235	2011	9	26	12	V	4.0	1	1.45	180
401430235	2011	9	26	13	V	6.1	2	1.6	100
401430235	2011	9	26	14	V	3.9	2	1.67	51
401430235	2011	9	26	15	V	2.6	1	2.37	72
401430235	2011	9	26	16	V	3.3	1	2.06	68

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	26	17	V	4.8	1	1.45	79
401430235	2011	9	26	18	V	4.3	1	0.96	150
401430235	2011	9	26	19	C	-999	0	0	0
401430235	2011	9	26	20	V	19.6	0	0.52	338
401430235	2011	9	26	21	V	2.9	0	0.99	350
401430235	2011	9	26	22	V	2.5	1	1.26	1
401430235	2011	9	26	23	V	38.4	1	0.7	312
401430235	2011	9	26	24	C	-999	1	0	0
401430235	2011	9	27	1	V	5.9	1	0.52	284
401430235	2011	9	27	2	V	9.9	1	0.62	294
401430235	2011	9	27	3	V	1.7	1	0.87	280
401430235	2011	9	27	4	V	40.6	1	0.69	315
401430235	2011	9	27	5	V	4.0	1	0.55	266
401430235	2011	9	27	6	V	13.1	2	0.52	295
401430235	2011	9	27	7	V	2.6	1	0.69	257
401430235	2011	9	27	8	V	10.3	2	0.58	87
401430235	2011	9	27	9	V	6.7	6	0.92	69
401430235	2011	9	27	10	V	6.1	47	0.86	73
401430235	2011	9	27	11	V	4.3	9	2.21	34
401430235	2011	9	27	12	V	3.2	3	2.7	25
401430235	2011	9	27	13	V	6.2	2	2.95	37
401430235	2011	9	27	14	V	3.4	-999	2.08	76
401430235	2011	9	27	15	V	3.0	-999	1.42	23
401430235	2011	9	27	16	V	3.7	-999	1.23	324
401430235	2011	9	27	17	V	5.7	3	1.18	331
401430235	2011	9	27	18	V	16.3	7	1.21	338
401430235	2011	9	27	19	V	3.1	4	0.96	286
401430235	2011	9	27	20	V	5.1	2	0.53	268
401430235	2011	9	27	21	V	4.3	2	0.57	15
401430235	2011	9	27	22	V	3.2	1	0.72	242
401430235	2011	9	27	23	C	-999	1	0	0
401430235	2011	9	27	24	C	-999	0	0	0
401430235	2011	9	28	1	V	2.7	1	0.65	211
401430235	2011	9	28	2	C	-999	1	0	0
401430235	2011	9	28	3	C	-999	1	0	0
401430235	2011	9	28	4	C	-999	0	0	0
401430235	2011	9	28	5	C	-999	1	0	0
401430235	2011	9	28	6	V	2.1	2	0.84	238
401430235	2011	9	28	7	V	4.4	3	0.55	178
401430235	2011	9	28	8	C	-999	2	0	0
401430235	2011	9	28	9	V	4.9	2	1.13	192
401430235	2011	9	28	10	V	3.3	2	0.97	228
401430235	2011	9	28	11	V	3.2	2	1.81	223
401430235	2011	9	28	12	V	3.0	1	3.01	194
401430235	2011	9	28	13	V	5.6	1	3.12	176
401430235	2011	9	28	14	V	3.3	0	2.3	218

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	28	15	V	2.6	1	2.23	220
401430235	2011	9	28	16	V	3.2	1	2.3	216
401430235	2011	9	28	17	V	4.6	1	2.62	177
401430235	2011	9	28	18	V	4.2	0	1.2	163
401430235	2011	9	28	19	C	-999	0	0	0
401430235	2011	9	28	20	V	4.3	0	0.58	235
401430235	2011	9	28	21	V	3.8	0	0.6	252
401430235	2011	9	28	22	C	-999	0	0	0
401430235	2011	9	28	23	V	4.3	0	0.58	221
401430235	2011	9	28	24	V	5.1	0	0.53	278
401430235	2011	9	29	1	V	4.2	0	0.52	265
401430235	2011	9	29	2	C	-999	0	0	0
401430235	2011	9	29	3	C	-999	0	0	0
401430235	2011	9	29	4	C	-999	0	0	0
401430235	2011	9	29	5	V	2.5	1	1.07	349
401430235	2011	9	29	6	V	3.1	2	0.63	217
401430235	2011	9	29	7	C	-999	3	0	0
401430235	2011	9	29	8	V	4.4	2	1.13	189
401430235	2011	9	29	9	V	3.2	1	1.52	172
401430235	2011	9	29	10	V	2.3	1	1.64	248
401430235	2011	9	29	11	V	5.2	13	1.74	340
401430235	2011	9	29	12	V	3.1	2	2.71	8
401430235	2011	9	29	13	V	5.3	1	5.55	16
401430235	2011	9	29	14	V	3.0	1	5.85	23
401430235	2011	9	29	15	V	2.3	0	5.8	15
401430235	2011	9	29	16	V	2.9	0	6.38	13
401430235	2011	9	29	17	V	4.2	0	6.74	14
401430235	2011	9	29	18	V	4.3	0	5.12	15
401430235	2011	9	29	19	V	2.4	0	4.66	12
401430235	2011	9	29	20	V	2.8	0	5.67	13
401430235	2011	9	29	21	V	2.2	0	3.97	13
401430235	2011	9	29	22	V	2.3	0	2.49	4
401430235	2011	9	29	23	V	2.4	0	2.23	8
401430235	2011	9	29	24	V	2.0	0	2.69	10
401430235	2011	9	30	1	V	1.4	0	3.25	8
401430235	2011	9	30	2	V	1.7	0	4.17	11
401430235	2011	9	30	3	V	1.1	0	4.15	14
401430235	2011	9	30	4	V	1.6	0	3.69	16
401430235	2011	9	30	5	V	1.9	0	3.35	15
401430235	2011	9	30	6	V	1.6	0	2.47	14
401430235	2011	9	30	7	V	1.6	0	1.96	10
401430235	2011	9	30	8	V	3.7	0	2.13	353
401430235	2011	9	30	9	V	1.6	0	3.88	13
401430235	2011	9	30	10	V	1.6	1	3.93	20
401430235	2011	9	30	11	V	3.4	1	4.26	32
401430235	2011	9	30	12	V	3.8	1	4.99	37

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	9	30	13	V	5.4	0	4.29	16
401430235	2011	9	30	14	V	3.2	0	4.65	26
401430235	2011	9	30	15	V	2.3	0	4.07	18
401430235	2011	9	30	16	V	3.1	0	3.92	25
401430235	2011	9	30	17	V	4.3	0	3.1	18
401430235	2011	9	30	18	V	4.2	0	1.79	1
401430235	2011	9	30	19	V	35.1	0	0.87	330
401430235	2011	9	30	20	V	5.3	0	0.52	269
401430235	2011	9	30	21	C	-999	1	0	0
401430235	2011	9	30	22	C	-999	1	0	0
401430235	2011	9	30	23	V	3.8	1	0.62	236
401430235	2011	9	30	24	V	2.6	1	0.79	237
401430235	2011	10	1	1	V	28.0	1	0.65	307
401430235	2011	10	1	2	V	21.5	0	1.08	305
401430235	2011	10	1	3	V	2.1	1	0.74	281
401430235	2011	10	1	4	V	2.1	0	0.86	258
401430235	2011	10	1	5	V	14.4	1	0.63	298
401430235	2011	10	1	6	V	4.2	1	0.52	210
401430235	2011	10	1	7	V	5.5	1	0.55	285
401430235	2011	10	1	8	V	4.0	0	1.11	14
401430235	2011	10	1	9	V	3.7	0	1.4	25
401430235	2011	10	1	10	V	3.0	1	1.18	87
401430235	2011	10	1	11	V	3.3	4	1.81	132
401430235	2011	10	1	12	V	3.3	2	1.87	66
401430235	2011	10	1	13	V	6.0	3	1.72	62
401430235	2011	10	1	14	V	3.7	2	1.62	120
401430235	2011	10	1	15	V	2.6	2	2.08	78
401430235	2011	10	1	16	V	3.3	2	1.77	112
401430235	2011	10	1	17	V	4.5	1	2.1	116
401430235	2011	10	1	18	V	4.2	0	2.13	97
401430235	2011	10	1	19	V	6.0	0	0.62	350
401430235	2011	10	1	20	V	7.4	0	0.6	289
401430235	2011	10	1	21	C	-999	0	0	0
401430235	2011	10	1	22	C	-999	0	0	0
401430235	2011	10	1	23	V	3.7	1	0.65	269
401430235	2011	10	1	24	C	-999	1	0	0
401430235	2011	10	2	1	C	-999	1	0	0
401430235	2011	10	2	2	C	-999	0	0	0
401430235	2011	10	2	3	C	-999	1	0	0
401430235	2011	10	2	4	C	-999	0	0	0
401430235	2011	10	2	5	C	-999	0	0	0
401430235	2011	10	2	6	C	-999	1	0	0
401430235	2011	10	2	7	C	-999	1	0	0
401430235	2011	10	2	8	V	6.6	0	0.67	244
401430235	2011	10	2	9	V	3.8	0	1.31	170
401430235	2011	10	2	10	V	1.8	0	3.48	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	2	11	V	2.9	0	3.47	179
401430235	2011	10	2	12	V	3.0	1	3.69	187
401430235	2011	10	2	13	V	5.5	1	3.1	176
401430235	2011	10	2	14	V	3.3	1	2.47	167
401430235	2011	10	2	15	V	2.5	1	2.64	152
401430235	2011	10	2	16	V	3.0	1	3.01	143
401430235	2011	10	2	17	V	4.3	1	3.07	146
401430235	2011	10	2	18	V	4.2	0	3.52	121
401430235	2011	10	2	19	V	2.4	0	1.72	116
401430235	2011	10	2	20	C	-999	0	0	0
401430235	2011	10	2	21	C	-999	0	0	0
401430235	2011	10	2	22	V	3.3	0	0.7	270
401430235	2011	10	2	23	V	6.4	0	0.52	282
401430235	2011	10	2	24	V	4.4	0	0.52	229
401430235	2011	10	3	1	V	7.0	0	0.58	290
401430235	2011	10	3	2	C	-999	0	0	0
401430235	2011	10	3	3	C	-999	0	0	0
401430235	2011	10	3	4	C	-999	0	0	0
401430235	2011	10	3	5	V	3.5	0	0.6	254
401430235	2011	10	3	6	V	2.7	0	0.67	263
401430235	2011	10	3	7	C	-999	0	0	0
401430235	2011	10	3	8	V	9.4	0	0.58	208
401430235	2011	10	3	9	V	2.7	0	1.74	168
401430235	2011	10	3	10	V	1.8	0	3.05	171
401430235	2011	10	3	11	V	2.9	1	4.46	182
401430235	2011	10	3	12	V	2.9	1	4.76	179
401430235	2011	10	3	13	V	5.5	1	4.09	175
401430235	2011	10	3	14	V	3.0	1	4.48	159
401430235	2011	10	3	15	V	2.3	2	4.8	162
401430235	2011	10	3	16	V	3.0	2	4.56	160
401430235	2011	10	3	17	V	4.3	2	4.42	158
401430235	2011	10	3	18	V	4.2	2	3.25	154
401430235	2011	10	3	19	V	2.4	2	1.72	157
401430235	2011	10	3	20	V	2.9	2	1.31	204
401430235	2011	10	3	21	V	2.4	1	1.42	178
401430235	2011	10	3	22	V	3.4	1	0.87	195
401430235	2011	10	3	23	C	-999	0	0	0
401430235	2011	10	3	24	V	2.9	1	0.75	213
401430235	2011	10	4	1	V	2.4	1	0.67	228
401430235	2011	10	4	2	V	4.0	1	0.52	231
401430235	2011	10	4	3	V	2.5	0	0.63	217
401430235	2011	10	4	4	V	3.7	0	0.55	245
401430235	2011	10	4	5	C	-999	0	0	0
401430235	2011	10	4	6	C	-999	0	0	0
401430235	2011	10	4	7	C	-999	0	0	0
401430235	2011	10	4	8	V	9.0	0	0.53	219

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	4	9	V	2.8	0	1.64	150
401430235	2011	10	4	10	V	1.8	1	3.27	178
401430235	2011	10	4	11	V	2.9	1	3.61	172
401430235	2011	10	4	12	V	2.9	-999	3.86	164
401430235	2011	10	4	13	V	5.5	-999	3.75	170
401430235	2011	10	4	14	V	3.1	2	4.19	168
401430235	2011	10	4	15	V	2.4	1	4.02	169
401430235	2011	10	4	16	V	3.0	1	4.12	158
401430235	2011	10	4	17	V	4.3	1	4.12	140
401430235	2011	10	4	18	V	4.2	1	3.35	122
401430235	2011	10	4	19	V	2.3	1	2.27	113
401430235	2011	10	4	20	V	2.7	1	1.77	143
401430235	2011	10	4	21	V	2.7	1	0.99	169
401430235	2011	10	4	22	V	4.6	1	0.53	229
401430235	2011	10	4	23	V	3.2	1	0.74	246
401430235	2011	10	4	24	V	2.6	0	0.99	214
401430235	2011	10	5	1	V	2.1	0	0.87	206
401430235	2011	10	5	2	V	2.2	0	0.87	210
401430235	2011	10	5	3	C	-999	0	0	0
401430235	2011	10	5	4	C	-999	0	0	0
401430235	2011	10	5	5	C	-999	0	0	0
401430235	2011	10	5	6	C	-999	0	0	0
401430235	2011	10	5	7	C	-999	0	0	0
401430235	2011	10	5	8	V	4.8	0	0.89	216
401430235	2011	10	5	9	V	2.4	1	1.81	153
401430235	2011	10	5	10	V	1.6	1	3.95	167
401430235	2011	10	5	11	V	2.8	1	4.02	162
401430235	2011	10	5	12	V	2.8	2	4.53	165
401430235	2011	10	5	13	V	5.4	2	4.94	163
401430235	2011	10	5	14	V	3.0	1	5.36	164
401430235	2011	10	5	15	V	2.3	1	4.59	156
401430235	2011	10	5	16	V	2.9	1	4.99	152
401430235	2011	10	5	17	V	4.3	1	5.07	160
401430235	2011	10	5	18	V	4.1	1	2.61	163
401430235	2011	10	5	19	V	2.3	1	2.35	142
401430235	2011	10	5	20	V	2.6	1	2.2	142
401430235	2011	10	5	21	V	2.2	1	1.45	160
401430235	2011	10	5	22	V	5.5	1	0.52	180
401430235	2011	10	5	23	C	-999	1	0	0
401430235	2011	10	5	24	V	3.4	1	0.77	177
401430235	2011	10	6	1	V	1.4	0	1.67	164
401430235	2011	10	6	2	V	1.6	1	3.03	147
401430235	2011	10	6	3	V	1.0	0	4	150
401430235	2011	10	6	4	V	1.6	0	3.66	155
401430235	2011	10	6	5	V	1.8	0	2.57	167
401430235	2011	10	6	6	V	1.5	0	3.57	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	6	7	V	1.5	1	2.52	149
401430235	2011	10	6	8	V	2.8	1	3.01	143
401430235	2011	10	6	9	V	1.6	-999	4.32	159
401430235	2011	10	6	10	V	1.5	1	4.39	156
401430235	2011	10	6	11	V	2.7	2	6.04	157
401430235	2011	10	6	12	V	2.7	2	6.7	162
401430235	2011	10	6	13	V	5.3	2	7.96	163
401430235	2011	10	6	14	V	3.0	2	8.01	164
401430235	2011	10	6	15	V	2.3	1	8.05	160
401430235	2011	10	6	16	V	2.9	1	7.16	159
401430235	2011	10	6	17	V	4.2	1	6.72	162
401430235	2011	10	6	18	V	4.1	1	4.85	166
401430235	2011	10	6	19	V	2.3	1	2.93	149
401430235	2011	10	6	20	V	2.6	1	3.63	148
401430235	2011	10	6	21	V	2.1	1	4.73	152
401430235	2011	10	6	22	V	2.3	0	4.24	147
401430235	2011	10	6	23	V	2.4	0	4.85	145
401430235	2011	10	6	24	V	2.0	0	5.36	149
401430235	2011	10	7	1	V	1.3	1	4.9	150
401430235	2011	10	7	2	V	1.6	1	4.17	151
401430235	2011	10	7	3	V	1.0	0	4.22	147
401430235	2011	10	7	4	V	1.6	0	3.97	150
401430235	2011	10	7	5	V	1.8	0	3.83	147
401430235	2011	10	7	6	V	1.5	0	3.56	149
401430235	2011	10	7	7	V	1.6	0	3.35	151
401430235	2011	10	7	8	V	2.7	0	3.3	154
401430235	2011	10	7	9	V	1.6	0	4.27	155
401430235	2011	10	7	10	V	1.5	1	7.14	165
401430235	2011	10	7	11	V	2.7	1	6.67	164
401430235	2011	10	7	12	V	2.7	1	7.25	165
401430235	2011	10	7	13	V	5.3	1	7.04	166
401430235	2011	10	7	14	V	3.0	0	6.72	164
401430235	2011	10	7	15	V	2.2	0	6.74	159
401430235	2011	10	7	16	V	2.9	0	5.84	162
401430235	2011	10	7	17	V	4.2	1	5.7	157
401430235	2011	10	7	18	V	4.1	0	4.2	144
401430235	2011	10	7	19	V	2.3	0	3.39	133
401430235	2011	10	7	20	V	2.6	0	2.79	137
401430235	2011	10	7	21	V	2.1	0	3.39	143
401430235	2011	10	7	22	V	2.3	0	3.46	149
401430235	2011	10	7	23	V	2.4	0	4.54	147
401430235	2011	10	7	24	V	2.0	0	5.24	147
401430235	2011	10	8	1	V	1.3	0	5.26	149
401430235	2011	10	8	2	V	1.6	0	5.17	149
401430235	2011	10	8	3	V	1.1	0	4.97	147
401430235	2011	10	8	4	V	1.6	0	4.63	149

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	8	5	V	1.8	0	4.7	148
401430235	2011	10	8	6	V	1.5	0	4.94	150
401430235	2011	10	8	7	V	1.6	0	5.09	147
401430235	2011	10	8	8	V	2.7	0	5.62	148
401430235	2011	10	8	9	V	1.6	0	5.58	159
401430235	2011	10	8	10	V	1.5	0	7.71	172
401430235	2011	10	8	11	V	2.8	1	6.64	174
401430235	2011	10	8	12	V	2.8	1	6.45	164
401430235	2011	10	8	13	V	5.3	1	6.58	157
401430235	2011	10	8	14	V	3.0	1	6.58	148
401430235	2011	10	8	15	V	2.2	1	7.55	141
401430235	2011	10	8	16	V	2.9	1	6.58	141
401430235	2011	10	8	17	V	4.2	0	5.26	130
401430235	2011	10	8	18	V	4.1	0	4	121
401430235	2011	10	8	19	V	2.3	0	2.2	129
401430235	2011	10	8	20	V	2.7	0	2.93	127
401430235	2011	10	8	21	V	2.2	1	2.55	144
401430235	2011	10	8	22	V	2.5	0	1.3	224
401430235	2011	10	8	23	V	2.5	0	1.62	261
401430235	2011	10	8	24	V	2.8	0	0.74	2
401430235	2011	10	9	1	C	-999	0	0	0
401430235	2011	10	9	2	V	4.5	0	0.53	1
401430235	2011	10	9	3	V	1.0	1	4.26	127
401430235	2011	10	9	4	V	1.6	0	5.5	126
401430235	2011	10	9	5	V	1.8	0	4.95	127
401430235	2011	10	9	6	V	1.6	0	5.31	129
401430235	2011	10	9	7	V	1.6	0	4.36	135
401430235	2011	10	9	8	V	2.7	0	4.95	135
401430235	2011	10	9	9	V	1.6	0	4.87	140
401430235	2011	10	9	10	V	1.5	0	5.58	148
401430235	2011	10	9	11	V	2.7	0	5.67	149
401430235	2011	10	9	12	V	2.8	0	5.07	147
401430235	2011	10	9	13	V	5.3	0	5.05	160
401430235	2011	10	9	14	V	3.0	0	4.88	128
401430235	2011	10	9	15	V	2.3	0	4.29	133
401430235	2011	10	9	16	V	2.9	0	4.6	123
401430235	2011	10	9	17	V	4.2	0	4.71	120
401430235	2011	10	9	18	V	4.2	0	3.75	112
401430235	2011	10	9	19	V	2.4	1	3.52	106
401430235	2011	10	9	20	V	3.1	0	2.74	287
401430235	2011	10	9	21	V	2.4	0	2.57	284
401430235	2011	10	9	22	V	38.9	0	0.8	325
401430235	2011	10	9	23	V	2.6	0	1.28	280
401430235	2011	10	9	24	V	2.3	0	1.16	283
401430235	2011	10	10	1	V	1.4	0	1.31	353
401430235	2011	10	10	2	V	1.8	0	2.13	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	10	3	V	1.1	0	1.81	78
401430235	2011	10	10	4	V	1.8	0	1.2	117
401430235	2011	10	10	5	V	1.9	0	1.35	250
401430235	2011	10	10	6	V	1.7	0	1.14	246
401430235	2011	10	10	7	V	2.3	0	0.75	227
401430235	2011	10	10	8	V	6.3	0	0.72	242
401430235	2011	10	10	9	V	2.3	0	1.09	241
401430235	2011	10	10	10	V	2.0	0	1.76	280
401430235	2011	10	10	11	V	5.1	0	1.48	288
401430235	2011	10	10	12	V	3.2	0	1.45	264
401430235	2011	10	10	13	V	5.6	0	2.01	275
401430235	2011	10	10	14	V	3.3	0	1.74	273
401430235	2011	10	10	15	V	3.9	0	1.14	229
401430235	2011	10	10	16	V	3.9	0	1.4	207
401430235	2011	10	10	17	V	4.7	0	1.35	248
401430235	2011	10	10	18	V	4.8	0	0.8	283
401430235	2011	10	10	19	V	3.4	0	0.82	285
401430235	2011	10	10	20	C	-999	1	0	0
401430235	2011	10	10	21	C	-999	1	0	0
401430235	2011	10	10	22	C	-999	1	0	0
401430235	2011	10	10	23	V	3.1	1	0.77	258
401430235	2011	10	10	24	C	-999	1	0	0
401430235	2011	10	11	1	V	2.1	1	0.89	208
401430235	2011	10	11	2	V	12.8	2	0.63	297
401430235	2011	10	11	3	C	-999	2	0	0
401430235	2011	10	11	4	C	-999	2	0	0
401430235	2011	10	11	5	C	-999	2	0	0
401430235	2011	10	11	6	V	4.3	2	0.58	283
401430235	2011	10	11	7	C	-999	2	0	0
401430235	2011	10	11	8	V	9.4	2	0.52	346
401430235	2011	10	11	9	V	9.0	2	0.6	125
401430235	2011	10	11	10	V	5.0	0	0.89	142
401430235	2011	10	11	11	V	3.1	0	2.3	184
401430235	2011	10	11	12	V	3.0	0	2.93	186
401430235	2011	10	11	13	V	5.6	0	2.79	209
401430235	2011	10	11	14	V	3.2	0	3.81	193
401430235	2011	10	11	15	V	2.4	0	4.03	205
401430235	2011	10	11	16	V	3.1	0	4.07	203
401430235	2011	10	11	17	V	4.5	0	2.98	188
401430235	2011	10	11	18	V	4.5	0	0.82	243
401430235	2011	10	11	19	C	-999	0	0	0
401430235	2011	10	11	20	V	34.2	0	0.52	312
401430235	2011	10	11	21	V	3.6	0	0.6	237
401430235	2011	10	11	22	V	3.4	1	0.7	220
401430235	2011	10	11	23	V	3.0	0	1.13	181
401430235	2011	10	11	24	V	2.8	0	1.01	289

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	12	1	V	3.0	0	0.69	284
401430235	2011	10	12	2	V	2.3	1	0.86	213
401430235	2011	10	12	3	V	1.2	0	1.48	201
401430235	2011	10	12	4	V	25.7	0	0.82	306
401430235	2011	10	12	5	V	3.5	1	0.58	265
401430235	2011	10	12	6	V	3.2	0	0.69	199
401430235	2011	10	12	7	V	2.7	0	0.77	209
401430235	2011	10	12	8	V	4.1	0	1.13	214
401430235	2011	10	12	9	V	3.3	0	1.21	84
401430235	2011	10	12	10	V	2.2	0	1.91	186
401430235	2011	10	12	11	V	2.9	0	3.2	218
401430235	2011	10	12	12	V	2.9	0	2.89	238
401430235	2011	10	12	13	V	5.5	0	2.67	266
401430235	2011	10	12	14	V	3.1	0	3.13	249
401430235	2011	10	12	15	V	2.4	0	3.42	259
401430235	2011	10	12	16	V	3.0	1	3.47	268
401430235	2011	10	12	17	V	4.3	4	3.52	276
401430235	2011	10	12	18	V	4.2	1	2.47	278
401430235	2011	10	12	19	V	2.3	1	2.03	268
401430235	2011	10	12	20	V	2.9	0	2.01	293
401430235	2011	10	12	21	V	27.7	19	2.76	322
401430235	2011	10	12	22	V	26.4	21	2.62	326
401430235	2011	10	12	23	V	33.0	26	2.55	317
401430235	2011	10	12	24	V	26.9	23	2.33	322
401430235	2011	10	13	1	V	25.9	23	2.52	325
401430235	2011	10	13	2	V	34.7	21	2.01	315
401430235	2011	10	13	3	V	29.4	14	1.93	310
401430235	2011	10	13	4	V	32.6	21	1.96	317
401430235	2011	10	13	5	V	2.0	8	1.28	244
401430235	2011	10	13	6	V	1.8	1	1.14	261
401430235	2011	10	13	7	V	3.1	1	1.06	293
401430235	2011	10	13	8	V	10.3	1	2.67	308
401430235	2011	10	13	9	V	8.2	2	3.13	320
401430235	2011	10	13	10	V	8.5	15	2.9	311
401430235	2011	10	13	11	V	6.3	14	2.49	305
401430235	2011	10	13	12	V	4.0	10	2.71	288
401430235	2011	10	13	13	V	10.0	14	3.83	321
401430235	2011	10	13	14	V	7.5	11	3.8	314
401430235	2011	10	13	15	V	6.7	12	3.66	327
401430235	2011	10	13	16	V	8.3	12	3.03	320
401430235	2011	10	13	17	V	7.9	14	2.37	299
401430235	2011	10	13	18	V	4.2	8	1.42	263
401430235	2011	10	13	19	V	2.5	2	1.21	257
401430235	2011	10	13	20	V	2.8	2	1.18	259
401430235	2011	10	13	21	V	3.4	1	0.65	261
401430235	2011	10	13	22	V	3.4	1	0.89	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	13	23	V	3.5	1	0.72	211
401430235	2011	10	13	24	V	3.5	1	0.63	216
401430235	2011	10	14	1	V	4.1	1	0.52	241
401430235	2011	10	14	2	V	4.2	1	0.57	205
401430235	2011	10	14	3	V	3.8	1	0.52	243
401430235	2011	10	14	4	V	2.4	1	0.87	204
401430235	2011	10	14	5	V	4.2	1	0.62	180
401430235	2011	10	14	6	V	2.7	1	0.67	222
401430235	2011	10	14	7	V	4.4	1	0.53	208
401430235	2011	10	14	8	V	3.1	2	1.64	167
401430235	2011	10	14	9	V	1.6	1	3.22	14
401430235	2011	10	14	10	V	3.7	-999	3.05	34
401430235	2011	10	14	11	V	4.6	-999	2.5	36
401430235	2011	10	14	12	V	3.9	0	1.91	38
401430235	2011	10	14	13	V	6.4	0	1.23	46
401430235	2011	10	14	14	V	3.9	0	1.2	71
401430235	2011	10	14	15	V	3.1	2	1.42	84
401430235	2011	10	14	16	V	3.9	5	1.04	12
401430235	2011	10	14	17	V	5.2	1	1.5	41
401430235	2011	10	14	18	V	4.3	1	1.11	12
401430235	2011	10	14	19	V	2.4	2	1.64	4
401430235	2011	10	14	20	V	2.8	1	1.33	9
401430235	2011	10	14	21	V	2.1	1	2.15	9
401430235	2011	10	14	22	V	2.3	0	2.59	21
401430235	2011	10	14	23	V	2.4	0	2.28	15
401430235	2011	10	14	24	V	2.1	0	1.55	23
401430235	2011	10	15	1	V	1.3	0	2.2	15
401430235	2011	10	15	2	V	1.6	0	2.2	17
401430235	2011	10	15	3	V	1.1	0	1.93	22
401430235	2011	10	15	4	V	1.7	0	1.59	16
401430235	2011	10	15	5	V	2.4	0	0.89	355
401430235	2011	10	15	6	V	1.7	0	1.28	360
401430235	2011	10	15	7	V	2.4	0	0.77	359
401430235	2011	10	15	8	V	3.9	0	1.33	25
401430235	2011	10	15	9	V	1.8	1	2.49	85
401430235	2011	10	15	10	V	1.6	1	3.56	110
401430235	2011	10	15	11	V	2.8	0	3.69	134
401430235	2011	10	15	12	V	2.8	2	4.02	151
401430235	2011	10	15	13	V	5.5	1	3.78	169
401430235	2011	10	15	14	V	3.1	1	4.09	161
401430235	2011	10	15	15	V	2.4	1	4.63	175
401430235	2011	10	15	16	V	3.1	1	4.19	185
401430235	2011	10	15	17	V	4.4	1	2.62	169
401430235	2011	10	15	18	V	4.5	1	1.09	207
401430235	2011	10	15	19	V	3.0	1	1.13	216
401430235	2011	10	15	20	V	3.6	1	0.69	229

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	15	21	V	2.6	1	1.35	220
401430235	2011	10	15	22	V	2.8	1	1.43	213
401430235	2011	10	15	23	V	2.4	1	2.59	196
401430235	2011	10	15	24	V	2.0	1	2.13	202
401430235	2011	10	16	1	V	1.8	1	1.16	212
401430235	2011	10	16	2	V	2.2	1	1.06	218
401430235	2011	10	16	3	V	1.3	1	1.55	182
401430235	2011	10	16	4	V	1.6	0	2.3	176
401430235	2011	10	16	5	V	2.1	1	1.57	184
401430235	2011	10	16	6	V	3.0	1	0.77	196
401430235	2011	10	16	7	V	1.8	1	1.67	184
401430235	2011	10	16	8	V	2.9	1	3.23	196
401430235	2011	10	16	9	V	1.6	1	4.56	211
401430235	2011	10	16	10	V	1.6	1	5.05	210
401430235	2011	10	16	11	V	2.8	1	6.01	209
401430235	2011	10	16	12	V	2.8	1	5.62	216
401430235	2011	10	16	13	V	5.3	1	4.56	226
401430235	2011	10	16	14	V	3.0	1	4.83	229
401430235	2011	10	16	15	V	2.3	1	4.6	229
401430235	2011	10	16	16	V	3.0	0	4.26	223
401430235	2011	10	16	17	V	4.3	1	3.29	219
401430235	2011	10	16	18	V	4.2	1	1.37	229
401430235	2011	10	16	19	V	3.1	1	0.62	270
401430235	2011	10	16	20	V	24.2	4	1.77	332
401430235	2011	10	16	21	V	2.2	1	4.03	11
401430235	2011	10	16	22	V	2.4	0	4.61	18
401430235	2011	10	16	23	V	2.5	0	3.13	8
401430235	2011	10	16	24	V	2.0	0	3	16
401430235	2011	10	17	1	V	1.3	0	1.81	19
401430235	2011	10	17	2	V	1.7	0	1.64	8
401430235	2011	10	17	3	V	1.1	0	1.47	4
401430235	2011	10	17	4	V	1.6	0	1.84	12
401430235	2011	10	17	5	V	1.8	0	1.98	15
401430235	2011	10	17	6	V	1.7	0	1.25	13
401430235	2011	10	17	7	V	1.7	0	1.42	23
401430235	2011	10	17	8	V	3.4	1	1.3	20
401430235	2011	10	17	9	V	2.3	1	1.94	134
401430235	2011	10	17	10	V	1.8	1	3.23	179
401430235	2011	10	17	11	V	2.9	1	4.65	194
401430235	2011	10	17	12	V	2.9	1	4.93	184
401430235	2011	10	17	13	V	5.5	1	4.92	185
401430235	2011	10	17	14	V	3.1	1	4.83	211
401430235	2011	10	17	15	V	2.4	1	4.48	210
401430235	2011	10	17	16	V	3.2	1	1.99	253
401430235	2011	10	17	17	V	7.3	1	4.26	339
401430235	2011	10	17	18	V	4.2	1	6.21	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	17	19	V	2.4	1	7.98	6
401430235	2011	10	17	20	V	2.8	0	6.35	6
401430235	2011	10	17	21	V	2.3	0	6.38	3
401430235	2011	10	17	22	V	2.4	0	7.09	6
401430235	2011	10	17	23	V	2.5	0	7.33	9
401430235	2011	10	17	24	V	2.1	0	6.16	4
401430235	2011	10	18	1	V	1.5	0	6.33	3
401430235	2011	10	18	2	V	1.8	0	6.28	4
401430235	2011	10	18	3	V	1.2	0	6.11	1
401430235	2011	10	18	4	V	1.8	0	4.88	360
401430235	2011	10	18	5	V	2.3	0	5.11	356
401430235	2011	10	18	6	V	2.5	0	4.27	352
401430235	2011	10	18	7	V	7.0	0	3.44	341
401430235	2011	10	18	8	V	11.1	4	3.17	329
401430235	2011	10	18	9	V	5.3	10	3.69	336
401430235	2011	10	18	10	V	2.8	7	4.66	344
401430235	2011	10	18	11	V	3.6	3	4.25	348
401430235	2011	10	18	12	V	4.4	5	4.76	342
401430235	2011	10	18	13	V	8.1	6	5.16	336
401430235	2011	10	18	14	V	4.4	3	5.29	343
401430235	2011	10	18	15	V	4.8	6	5.16	338
401430235	2011	10	18	16	V	7.7	6	4.99	329
401430235	2011	10	18	17	V	12.0	8	4.73	323
401430235	2011	10	18	18	V	12.0	10	4.2	339
401430235	2011	10	18	19	V	13.1	14	4.1	336
401430235	2011	10	18	20	V	7.8	3	3.44	341
401430235	2011	10	18	21	V	5.6	0	3.88	344
401430235	2011	10	18	22	V	5.2	0	2.67	343
401430235	2011	10	18	23	V	18.9	16	2.1	333
401430235	2011	10	18	24	V	21.2	13	2.27	331
401430235	2011	10	19	1	V	18.1	15	1.3	305
401430235	2011	10	19	2	V	39.2	8	1.54	313
401430235	2011	10	19	3	V	33.2	9	1.94	312
401430235	2011	10	19	4	V	27.6	15	2.47	321
401430235	2011	10	19	5	V	27.9	17	2.64	322
401430235	2011	10	19	6	V	22.6	21	2.79	326
401430235	2011	10	19	7	V	20.0	14	2.78	329
401430235	2011	10	19	8	V	20.7	4	2.81	331
401430235	2011	10	19	9	V	2.9	1	4.51	343
401430235	2011	10	19	10	V	1.7	0	5.26	353
401430235	2011	10	19	11	V	3.4	4	5.68	347
401430235	2011	10	19	12	V	4.5	5	5.07	341
401430235	2011	10	19	13	V	9.0	4	4.9	332
401430235	2011	10	19	14	V	4.1	7	5.6	345
401430235	2011	10	19	15	V	5.8	7	5.02	334
401430235	2011	10	19	16	V	4.3	7	5.04	345

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	19	17	V	7.5	11	4.1	339
401430235	2011	10	19	18	V	15.5	13	3	334
401430235	2011	10	19	19	V	25.7	2	1.84	329
401430235	2011	10	19	20	V	41.2	4	1.43	316
401430235	2011	10	19	21	V	43.1	9	1.3	315
401430235	2011	10	19	22	V	2.5	2	1.59	348
401430235	2011	10	19	23	V	2.5	1	1.67	356
401430235	2011	10	19	24	V	2.3	2	0.99	235
401430235	2011	10	20	1	C	-999	3	0	0
401430235	2011	10	20	2	C	-999	1	0	0
401430235	2011	10	20	3	C	-999	1	0	0
401430235	2011	10	20	4	V	3.5	1	0.58	214
401430235	2011	10	20	5	V	3.2	1	0.63	245
401430235	2011	10	20	6	V	2.4	1	0.72	239
401430235	2011	10	20	7	V	3.8	1	0.63	204
401430235	2011	10	20	8	V	4.5	1	0.67	204
401430235	2011	10	20	9	V	5.2	4	0.92	75
401430235	2011	10	20	10	V	3.7	14	1.31	39
401430235	2011	10	20	11	V	6.4	18	1.72	338
401430235	2011	10	20	12	V	5.9	13	1.69	305
401430235	2011	10	20	13	V	8.9	7	2.05	320
401430235	2011	10	20	14	V	6.3	8	2.08	314
401430235	2011	10	20	15	V	3.2	3	2.11	39
401430235	2011	10	20	16	V	3.6	3	1.54	24
401430235	2011	10	20	17	V	4.6	2	1.99	56
401430235	2011	10	20	18	V	5.2	2	0.55	74
401430235	2011	10	20	19	V	39.6	1	0.55	317
401430235	2011	10	20	20	V	3.5	1	0.72	265
401430235	2011	10	20	21	C	-999	1	0	0
401430235	2011	10	20	22	V	4.5	1	0.55	269
401430235	2011	10	20	23	C	-999	2	0	0
401430235	2011	10	20	24	C	-999	2	0	0
401430235	2011	10	21	1	C	-999	2	0	0
401430235	2011	10	21	2	C	-999	2	0	0
401430235	2011	10	21	3	C	-999	2	0	0
401430235	2011	10	21	4	C	-999	2	0	0
401430235	2011	10	21	5	C	-999	3	0	0
401430235	2011	10	21	6	V	5.1	3	0.52	279
401430235	2011	10	21	7	C	-999	6	0	0
401430235	2011	10	21	8	C	-999	5	0	0
401430235	2011	10	21	9	V	6.1	1	0.84	182
401430235	2011	10	21	10	V	2.3	-999	1.88	166
401430235	2011	10	21	11	V	3.1	-999	2.52	177
401430235	2011	10	21	12	V	3.0	3	2.96	183
401430235	2011	10	21	13	V	5.6	2	2.38	184
401430235	2011	10	21	14	V	3.4	2	2.13	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	21	15	V	2.7	2	2.05	204
401430235	2011	10	21	16	V	3.4	2	1.76	183
401430235	2011	10	21	17	V	4.4	2	2.1	155
401430235	2011	10	21	18	V	4.5	2	1.06	176
401430235	2011	10	21	19	V	23.5	1	0.52	303
401430235	2011	10	21	20	V	5.1	1	0.55	276
401430235	2011	10	21	21	V	3.6	1	0.62	245
401430235	2011	10	21	22	V	5.0	1	0.53	272
401430235	2011	10	21	23	C	-999	1	0	0
401430235	2011	10	21	24	C	-999	1	0	0
401430235	2011	10	22	1	C	-999	0	0	0
401430235	2011	10	22	2	C	-999	1	0	0
401430235	2011	10	22	3	C	-999	1	0	0
401430235	2011	10	22	4	C	-999	2	0	0
401430235	2011	10	22	5	V	1.9	1	1.42	250
401430235	2011	10	22	6	C	-999	1	0	0
401430235	2011	10	22	7	V	1.9	1	1.04	7
401430235	2011	10	22	8	V	3.6	1	0.77	29
401430235	2011	10	22	9	V	2.1	1	2.03	119
401430235	2011	10	22	10	V	1.8	1	2.56	138
401430235	2011	10	22	11	V	2.9	1	2.79	147
401430235	2011	10	22	12	V	2.8	1	3.61	131
401430235	2011	10	22	13	V	5.4	1	3.37	115
401430235	2011	10	22	14	V	3.0	1	4.49	121
401430235	2011	10	22	15	V	2.3	1	4.53	105
401430235	2011	10	22	16	V	2.9	1	4.46	109
401430235	2011	10	22	17	V	4.2	1	4.27	97
401430235	2011	10	22	18	V	4.2	3	3.46	103
401430235	2011	10	22	19	V	2.5	1	5.67	26
401430235	2011	10	22	20	V	2.8	0	4.07	28
401430235	2011	10	22	21	V	2.2	0	5.97	84
401430235	2011	10	22	22	V	2.3	0	3.86	166
401430235	2011	10	22	23	V	2.4	0	2.64	170
401430235	2011	10	22	24	V	21.9	0	1.13	335
401430235	2011	10	23	1	V	18.2	0	1.08	304
401430235	2011	10	23	2	V	39.1	0	0.75	314
401430235	2011	10	23	3	V	3.3	0	0.52	234
401430235	2011	10	23	4	C	-999	0	0	0
401430235	2011	10	23	5	V	2.9	0	0.69	219
401430235	2011	10	23	6	V	2.6	1	0.65	232
401430235	2011	10	23	7	V	3.6	1	0.55	249
401430235	2011	10	23	8	V	3.4	1	0.97	199
401430235	2011	10	23	9	V	5.7	0	0.65	245
401430235	2011	10	23	10	V	2.9	1	1.25	249
401430235	2011	10	23	11	V	3.5	0	1.6	213
401430235	2011	10	23	12	V	3.8	0	1.51	259

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	23	13	V	5.9	0	1.83	265
401430235	2011	10	23	14	V	3.7	1	1.87	273
401430235	2011	10	23	15	V	3.1	3	1.5	194
401430235	2011	10	23	16	V	3.7	1	1.2	259
401430235	2011	10	23	17	V	5.1	1	0.82	262
401430235	2011	10	23	18	V	5.4	1	0.52	242
401430235	2011	10	23	19	C	-999	1	0	0
401430235	2011	10	23	20	V	4.6	1	0.57	245
401430235	2011	10	23	21	V	3.1	1	0.67	235
401430235	2011	10	23	22	V	4.3	1	0.55	228
401430235	2011	10	23	23	V	4.5	1	0.55	226
401430235	2011	10	23	24	V	2.7	0	0.94	202
401430235	2011	10	24	1	C	-999	0	0	0
401430235	2011	10	24	2	C	-999	1	0	0
401430235	2011	10	24	3	C	-999	1	0	0
401430235	2011	10	24	4	V	3.5	0	0.58	271
401430235	2011	10	24	5	V	4.6	0	0.52	262
401430235	2011	10	24	6	V	2.0	1	1.06	210
401430235	2011	10	24	7	V	2.5	0	0.91	200
401430235	2011	10	24	8	V	3.5	0	1.04	191
401430235	2011	10	24	9	V	1.9	0	2.9	179
401430235	2011	10	24	10	V	1.9	0	2.86	201
401430235	2011	10	24	11	V	3.0	1	3.86	190
401430235	2011	10	24	12	V	2.8	0	5.03	215
401430235	2011	10	24	13	V	5.4	0	4.48	213
401430235	2011	10	24	14	V	3.1	1	4.41	203
401430235	2011	10	24	15	V	2.5	1	5.34	196
401430235	2011	10	24	16	V	3.1	1	5.29	189
401430235	2011	10	24	17	V	4.4	1	5.65	182
401430235	2011	10	24	18	V	4.1	0	3.47	181
401430235	2011	10	24	19	V	2.4	1	2.32	192
401430235	2011	10	24	20	V	2.6	1	2.64	207
401430235	2011	10	24	21	V	2.2	0	2.96	192
401430235	2011	10	24	22	V	2.3	1	2.45	198
401430235	2011	10	24	23	V	2.5	0	3.47	188
401430235	2011	10	24	24	V	2.1	0	5.24	189
401430235	2011	10	25	1	V	1.4	0	5.16	188
401430235	2011	10	25	2	V	1.6	0	2.86	168
401430235	2011	10	25	3	V	1.0	0	3.51	165
401430235	2011	10	25	4	V	1.6	0	3.66	165
401430235	2011	10	25	5	V	1.8	0	3.66	169
401430235	2011	10	25	6	V	1.5	0	2.86	161
401430235	2011	10	25	7	V	1.6	0	4.34	168
401430235	2011	10	25	8	V	2.8	0	4.31	168
401430235	2011	10	25	9	V	1.7	0	5.24	178
401430235	2011	10	25	10	V	1.7	0	6.94	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	25	11	V	2.9	1	8.91	193
401430235	2011	10	25	12	V	2.8	1	8.73	199
401430235	2011	10	25	13	V	5.4	1	8.76	195
401430235	2011	10	25	14	V	3.1	1	8.98	194
401430235	2011	10	25	15	V	2.4	1	8.85	194
401430235	2011	10	25	16	V	3.1	1	7.54	188
401430235	2011	10	25	17	V	4.4	1	7.16	194
401430235	2011	10	25	18	V	4.2	1	5.17	189
401430235	2011	10	25	19	V	2.4	1	4.07	187
401430235	2011	10	25	20	V	2.8	0	1.96	188
401430235	2011	10	25	21	V	2.4	0	1.52	185
401430235	2011	10	25	22	V	2.5	0	1.38	161
401430235	2011	10	25	23	V	2.5	0	1.57	160
401430235	2011	10	25	24	V	2.9	0	0.84	168
401430235	2011	10	26	1	V	1.4	0	1.59	349
401430235	2011	10	26	2	V	2.6	0	1.79	47
401430235	2011	10	26	3	V	2.8	0	0.65	49
401430235	2011	10	26	4	V	4.3	0	0.52	160
401430235	2011	10	26	5	C	-999	0	0	0
401430235	2011	10	26	6	V	2.2	0	2.33	344
401430235	2011	10	26	7	V	1.7	0	3.8	1
401430235	2011	10	26	8	V	2.9	0	4.88	9
401430235	2011	10	26	9	V	1.6	0	5.36	12
401430235	2011	10	26	10	V	1.5	0	6.29	15
401430235	2011	10	26	11	V	2.7	0	4.87	19
401430235	2011	10	26	12	V	2.7	0	4.05	8
401430235	2011	10	26	13	V	5.3	0	3.78	360
401430235	2011	10	26	14	V	3.0	0	4.39	8
401430235	2011	10	26	15	V	2.3	0	4.02	7
401430235	2011	10	26	16	V	2.9	0	4.15	9
401430235	2011	10	26	17	V	4.5	0	3.76	18
401430235	2011	10	26	18	V	4.2	0	2.98	13
401430235	2011	10	26	19	V	2.4	0	2.98	25
401430235	2011	10	26	20	V	5.4	0	3.54	43
401430235	2011	10	26	21	V	5.0	0	4.22	39
401430235	2011	10	26	22	V	2.6	0	4.32	31
401430235	2011	10	26	23	V	2.5	0	3.01	21
401430235	2011	10	26	24	V	2.1	0	3.08	14
401430235	2011	10	27	1	V	1.4	0	4.75	8
401430235	2011	10	27	2	V	1.7	0	5.53	9
401430235	2011	10	27	3	V	1.2	0	5.77	13
401430235	2011	10	27	4	V	1.7	0	4.83	4
401430235	2011	10	27	5	V	1.9	0	3.93	4
401430235	2011	10	27	6	V	1.7	0	2.71	2
401430235	2011	10	27	7	V	1.6	0	1.79	360
401430235	2011	10	27	8	V	2.9	0	2.28	9

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	27	9	V	2.0	0	1.84	21
401430235	2011	10	27	10	V	1.6	0	2.23	6
401430235	2011	10	27	11	V	3.3	0	2.23	27
401430235	2011	10	27	12	V	5.5	0	3.01	38
401430235	2011	10	27	13	V	6.2	0	3.98	49
401430235	2011	10	27	14	V	6.1	-999	4.29	40
401430235	2011	10	27	15	V	4.8	-999	3.03	37
401430235	2011	10	27	16	V	5.5	0	1.18	348
401430235	2011	10	27	17	V	5.8	0	1.14	353
401430235	2011	10	27	18	V	4.5	0	2.52	355
401430235	2011	10	27	19	V	2.4	0	1.91	27
401430235	2011	10	27	20	V	3.1	0	0.75	99
401430235	2011	10	27	21	V	6.6	0	1.16	299
401430235	2011	10	27	22	V	37.2	0	1.3	320
401430235	2011	10	27	23	V	23.2	0	0.99	305
401430235	2011	10	27	24	V	3.4	0	0.6	236
401430235	2011	10	28	1	V	1.6	0	1.23	209
401430235	2011	10	28	2	V	2.1	0	0.87	244
401430235	2011	10	28	3	V	3.4	0	0.53	244
401430235	2011	10	28	4	V	2.8	0	0.65	248
401430235	2011	10	28	5	V	42.9	0	0.87	321
401430235	2011	10	28	6	V	3.7	1	0.58	278
401430235	2011	10	28	7	C	-999	1	0	0
401430235	2011	10	28	8	V	3.9	1	0.67	272
401430235	2011	10	28	9	V	4.0	0	1.13	9
401430235	2011	10	28	10	V	3.9	0	1.89	38
401430235	2011	10	28	11	V	3.6	0	1.6	44
401430235	2011	10	28	12	V	3.1	1	3.01	26
401430235	2011	10	28	13	V	6.7	1	2.79	349
401430235	2011	10	28	14	V	6.7	1	3.15	329
401430235	2011	10	28	15	V	6.4	3	2.62	321
401430235	2011	10	28	16	V	5.0	2	2.3	346
401430235	2011	10	28	17	V	9.2	1	1.6	338
401430235	2011	10	28	18	V	4.7	1	0.72	272
401430235	2011	10	28	19	V	3.4	1	0.69	270
401430235	2011	10	28	20	C	-999	1	0	0
401430235	2011	10	28	21	C	-999	0	0	0
401430235	2011	10	28	22	C	-999	0	0	0
401430235	2011	10	28	23	V	3.9	0	0.74	176
401430235	2011	10	28	24	V	4.5	0	0.53	152
401430235	2011	10	29	1	C	-999	1	0	0
401430235	2011	10	29	2	C	-999	1	0	0
401430235	2011	10	29	3	C	-999	1	0	0
401430235	2011	10	29	4	V	3.3	1	0.6	211
401430235	2011	10	29	5	C	-999	1	0	0
401430235	2011	10	29	6	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	29	7	C	-999	1	0	0
401430235	2011	10	29	8	C	-999	0	0	0
401430235	2011	10	29	9	V	3.9	1	1.06	167
401430235	2011	10	29	10	V	1.9	0	2.66	209
401430235	2011	10	29	11	V	2.8	0	4.68	215
401430235	2011	10	29	12	V	2.8	0	6.09	212
401430235	2011	10	29	13	V	5.4	0	6.16	205
401430235	2011	10	29	14	V	3.1	0	5.96	201
401430235	2011	10	29	15	V	2.4	0	6.4	196
401430235	2011	10	29	16	V	3.1	0	6.48	194
401430235	2011	10	29	17	V	4.5	1	5.55	193
401430235	2011	10	29	18	V	4.1	1	3.13	189
401430235	2011	10	29	19	V	2.4	0	1.88	195
401430235	2011	10	29	20	V	2.7	0	2.71	196
401430235	2011	10	29	21	V	2.2	0	1.99	197
401430235	2011	10	29	22	V	2.7	0	1.23	200
401430235	2011	10	29	23	V	2.9	0	1.25	194
401430235	2011	10	29	24	V	2.3	0	1.3	176
401430235	2011	10	30	1	V	2.1	0	0.84	144
401430235	2011	10	30	2	V	1.6	0	2.01	177
401430235	2011	10	30	3	V	1.2	0	1.72	182
401430235	2011	10	30	4	V	1.7	0	1.89	182
401430235	2011	10	30	5	V	1.9	0	1.93	176
401430235	2011	10	30	6	V	3.0	0	0.72	201
401430235	2011	10	30	7	V	2.1	0	1.28	194
401430235	2011	10	30	8	V	3.1	0	1.37	196
401430235	2011	10	30	9	V	2.2	1	2.23	207
401430235	2011	10	30	10	V	1.6	1	3.74	217
401430235	2011	10	30	11	V	2.7	1	3.85	232
401430235	2011	10	30	12	V	2.9	1	2.86	249
401430235	2011	10	30	13	V	5.5	1	2.45	256
401430235	2011	10	30	14	V	3.5	1	2.3	277
401430235	2011	10	30	15	V	5.8	1	2.32	303
401430235	2011	10	30	16	V	7.8	2	2.28	307
401430235	2011	10	30	17	V	14.4	2	1.5	321
401430235	2011	10	30	18	V	4.3	2	1.13	276
401430235	2011	10	30	19	V	41.2	2	1.37	317
401430235	2011	10	30	20	V	3.0	1	0.94	248
401430235	2011	10	30	21	C	-999	1	0	0
401430235	2011	10	30	22	C	-999	0	0	0
401430235	2011	10	30	23	V	5.2	1	0.52	266
401430235	2011	10	30	24	C	-999	1	0	0
401430235	2011	10	31	1	V	1.8	1	1.03	206
401430235	2011	10	31	2	C	-999	1	0	0
401430235	2011	10	31	3	V	2.8	1	0.57	236
401430235	2011	10	31	4	V	3.2	1	0.74	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	10	31	5	V	2.9	2	0.84	197
401430235	2011	10	31	6	V	3.1	1	0.6	223
401430235	2011	10	31	7	C	-999	2	0	0
401430235	2011	10	31	8	V	3.5	2	0.8	216
401430235	2011	10	31	9	V	6.1	1	0.75	167
401430235	2011	10	31	10	V	3.4	1	1.21	186
401430235	2011	10	31	11	V	3.0	1	3.64	193
401430235	2011	10	31	12	V	2.9	1	4.36	182
401430235	2011	10	31	13	V	5.5	1	4.34	188
401430235	2011	10	31	14	V	3.2	1	5.33	192
401430235	2011	10	31	15	V	2.5	1	5.27	190
401430235	2011	10	31	16	V	3.1	1	5.62	187
401430235	2011	10	31	17	V	4.5	1	4.61	192
401430235	2011	10	31	18	V	4.1	1	2.52	187
401430235	2011	10	31	19	V	2.6	1	1.28	198
401430235	2011	10	31	20	V	2.9	0	1.28	206
401430235	2011	10	31	21	V	2.1	0	2.15	207
401430235	2011	10	31	22	V	2.4	1	1.98	210
401430235	2011	10	31	23	V	2.7	1	1.21	203
401430235	2011	10	31	24	V	2.6	0	1.16	187
401430235	2011	11	1	1	V	3.4	0	0.65	197
401430235	2011	11	1	2	V	2.3	0	0.89	155
401430235	2011	11	1	3	V	1.6	0	0.94	153
401430235	2011	11	1	4	V	1.9	0	1.16	152
401430235	2011	11	1	5	V	1.8	0	2.13	156
401430235	2011	11	1	6	V	1.5	0	2.66	154
401430235	2011	11	1	7	V	1.6	0	2.06	156
401430235	2011	11	1	8	V	2.8	0	3.15	164
401430235	2011	11	1	9	V	1.6	1	4.54	170
401430235	2011	11	1	10	V	1.7	1	6.79	185
401430235	2011	11	1	11	V	2.8	1	7.89	181
401430235	2011	11	1	12	V	2.9	1	7.62	179
401430235	2011	11	1	13	V	5.4	1	8.23	181
401430235	2011	11	1	14	V	3.1	1	8.62	183
401430235	2011	11	1	15	V	2.4	1	8.22	182
401430235	2011	11	1	16	V	3.0	1	8.03	177
401430235	2011	11	1	17	V	4.2	1	7.32	172
401430235	2011	11	1	18	V	4.1	1	6.29	169
401430235	2011	11	1	19	V	2.3	1	5.02	170
401430235	2011	11	1	20	V	2.6	1	4.51	169
401430235	2011	11	1	21	V	2.1	1	4.7	174
401430235	2011	11	1	22	V	2.3	1	4.32	179
401430235	2011	11	1	23	V	2.4	1	4.02	174
401430235	2011	11	1	24	V	2.0	1	3.83	169
401430235	2011	11	2	1	V	1.3	1	2.84	162
401430235	2011	11	2	2	V	1.6	1	3.71	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	2	3	V	1.0	1	3.83	163
401430235	2011	11	2	4	V	1.6	1	4.07	165
401430235	2011	11	2	5	V	1.8	1	4.03	164
401430235	2011	11	2	6	V	1.5	1	3.88	164
401430235	2011	11	2	7	V	1.6	1	4.26	167
401430235	2011	11	2	8	V	2.8	1	5.45	170
401430235	2011	11	2	9	V	1.6	1	6.58	176
401430235	2011	11	2	10	V	1.7	1	6.79	187
401430235	2011	11	2	11	V	2.9	1	7.13	191
401430235	2011	11	2	12	V	2.9	0	8.39	185
401430235	2011	11	2	13	V	5.5	0	7.06	185
401430235	2011	11	2	14	V	3.2	1	5.67	185
401430235	2011	11	2	15	V	2.5	0	5.38	184
401430235	2011	11	2	16	V	3.1	1	4.36	196
401430235	2011	11	2	17	V	4.5	1	3.78	252
401430235	2011	11	2	18	V	4.4	0	3.71	283
401430235	2011	11	2	19	V	27.7	0	4.51	311
401430235	2011	11	2	20	V	29.9	0	4.53	313
401430235	2011	11	2	21	V	28.5	0	5.43	314
401430235	2011	11	2	22	V	31.1	0	4.61	319
401430235	2011	11	2	23	V	30.5	0	4.32	316
401430235	2011	11	2	24	V	30.4	0	4.34	317
401430235	2011	11	3	1	V	29.7	0	4.59	315
401430235	2011	11	3	2	V	25.3	0	5.12	326
401430235	2011	11	3	3	V	27.1	1	4.53	324
401430235	2011	11	3	4	V	11.4	1	3.17	304
401430235	2011	11	3	5	V	5.1	0	3.4	298
401430235	2011	11	3	6	V	13.6	0	3.1	305
401430235	2011	11	3	7	V	22.4	1	3.32	311
401430235	2011	11	3	8	V	22.5	3	3.49	309
401430235	2011	11	3	9	V	8.7	12	4.02	308
401430235	2011	11	3	10	V	7.5	12	4.77	308
401430235	2011	11	3	11	V	10.0	17	4.42	312
401430235	2011	11	3	12	V	9.7	13	4.94	323
401430235	2011	11	3	13	V	10.0	6	4.82	332
401430235	2011	11	3	14	V	6.2	8	4.37	337
401430235	2011	11	3	15	V	4.7	8	4.2	340
401430235	2011	11	3	16	V	8.3	8	3.91	333
401430235	2011	11	3	17	V	12.1	4	3.17	341
401430235	2011	11	3	18	V	41.7	17	1.23	314
401430235	2011	11	3	19	V	5.6	6	1.03	296
401430235	2011	11	3	20	V	46.1	5	0.92	317
401430235	2011	11	3	21	V	44.1	3	0.94	322
401430235	2011	11	3	22	V	3.7	2	0.62	234
401430235	2011	11	3	23	V	4.7	1	0.62	205
401430235	2011	11	3	24	V	3.3	1	0.75	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	4	1	V	1.9	1	0.86	243
401430235	2011	11	4	2	V	2.5	1	0.74	250
401430235	2011	11	4	3	C	-999	1	0	0
401430235	2011	11	4	4	C	-999	1	0	0
401430235	2011	11	4	5	V	3.1	1	0.65	242
401430235	2011	11	4	6	C	-999	2	0	0
401430235	2011	11	4	7	V	4.2	2	0.58	206
401430235	2011	11	4	8	C	-999	2	0	0
401430235	2011	11	4	9	C	-999	2	0	0
401430235	2011	11	4	10	V	6.3	2	0.79	155
401430235	2011	11	4	11	V	3.6	1	1.48	131
401430235	2011	11	4	12	V	3.1	1	1.89	136
401430235	2011	11	4	13	V	5.7	1	1.93	154
401430235	2011	11	4	14	V	3.2	1	2.44	147
401430235	2011	11	4	15	V	2.3	1	3.42	135
401430235	2011	11	4	16	V	2.9	2	3.56	157
401430235	2011	11	4	17	V	4.4	1	3.59	174
401430235	2011	11	4	18	V	4.1	1	2.3	162
401430235	2011	11	4	19	V	2.7	1	1.09	155
401430235	2011	11	4	20	V	5.1	0	0.6	203
401430235	2011	11	4	21	V	2.5	0	1.14	168
401430235	2011	11	4	22	V	2.8	0	1.28	187
401430235	2011	11	4	23	V	2.4	1	2.4	175
401430235	2011	11	4	24	V	2.1	1	1.77	178
401430235	2011	11	5	1	V	1.3	0	2.01	162
401430235	2011	11	5	2	V	1.6	0	2.61	165
401430235	2011	11	5	3	V	1.0	0	2.95	165
401430235	2011	11	5	4	V	1.6	0	3.23	167
401430235	2011	11	5	5	V	1.8	0	3.22	162
401430235	2011	11	5	6	V	1.6	0	3.13	161
401430235	2011	11	5	7	V	1.6	0	3.8	158
401430235	2011	11	5	8	V	2.8	1	4.46	155
401430235	2011	11	5	9	V	1.6	0	4.92	156
401430235	2011	11	5	10	V	1.5	0	5.31	162
401430235	2011	11	5	11	V	2.7	0	6.33	167
401430235	2011	11	5	12	V	2.7	1	7.23	169
401430235	2011	11	5	13	V	5.3	1	7.37	158
401430235	2011	11	5	14	V	3.0	1	7.54	165
401430235	2011	11	5	15	V	2.2	0	7.64	158
401430235	2011	11	5	16	V	2.9	1	6.36	155
401430235	2011	11	5	17	V	4.3	1	5.31	157
401430235	2011	11	5	18	V	4.1	1	4.24	161
401430235	2011	11	5	19	V	2.3	0	4.54	170
401430235	2011	11	5	20	V	2.6	0	4.26	168
401430235	2011	11	5	21	V	2.1	1	3.98	167
401430235	2011	11	5	22	V	2.3	1	4.31	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	5	23	V	2.4	0	4.14	169
401430235	2011	11	5	24	V	2.0	1	4.24	171
401430235	2011	11	6	1	V	1.3	1	4.95	171
401430235	2011	11	6	2	V	1.6	1	4.58	168
401430235	2011	11	6	3	V	1.1	1	4.46	165
401430235	2011	11	6	4	V	1.6	1	5.38	172
401430235	2011	11	6	5	V	1.9	1	5.85	176
401430235	2011	11	6	6	V	1.7	1	6.12	184
401430235	2011	11	6	7	V	1.7	0	5.73	185
401430235	2011	11	6	8	V	2.9	0	5.04	186
401430235	2011	11	6	9	V	1.8	1	5.5	187
401430235	2011	11	6	10	V	1.7	1	6.58	185
401430235	2011	11	6	11	V	2.9	1	6.74	187
401430235	2011	11	6	12	V	2.9	1	6.8	183
401430235	2011	11	6	13	V	5.5	1	6.75	185
401430235	2011	11	6	14	V	3.2	0	6.67	185
401430235	2011	11	6	15	V	2.3	1	5.97	176
401430235	2011	11	6	16	V	2.9	1	6.47	174
401430235	2011	11	6	17	V	4.2	1	5.02	172
401430235	2011	11	6	18	V	4.1	0	3.58	168
401430235	2011	11	6	19	V	2.4	1	2.79	165
401430235	2011	11	6	20	V	2.7	1	2.15	167
401430235	2011	11	6	21	V	2.5	1	0.99	135
401430235	2011	11	6	22	V	2.5	1	1.35	148
401430235	2011	11	6	23	V	3.0	1	0.91	152
401430235	2011	11	6	24	V	2.1	1	1.47	127
401430235	2011	11	7	1	V	1.4	1	1.35	234
401430235	2011	11	7	2	V	1.7	1	1.54	136
401430235	2011	11	7	3	V	1.1	0	1.69	130
401430235	2011	11	7	4	V	1.6	0	1.84	111
401430235	2011	11	7	5	V	1.8	0	2.5	125
401430235	2011	11	7	6	V	2.0	1	0.91	159
401430235	2011	11	7	7	V	1.6	0	1.64	154
401430235	2011	11	7	8	V	2.8	0	2.81	156
401430235	2011	11	7	9	V	1.6	0	3.29	149
401430235	2011	11	7	10	V	1.6	0	2.96	147
401430235	2011	11	7	11	V	2.7	0	5.43	140
401430235	2011	11	7	12	V	2.7	-999	5.96	143
401430235	2011	11	7	13	V	5.3	-999	5.62	154
401430235	2011	11	7	14	V	3.0	0	4.83	164
401430235	2011	11	7	15	V	2.2	0	6.4	158
401430235	2011	11	7	16	V	2.9	0	5.95	161
401430235	2011	11	7	17	V	4.3	0	6.11	162
401430235	2011	11	7	18	V	4.1	0	5.96	165
401430235	2011	11	7	19	V	2.3	0	5.94	159
401430235	2011	11	7	20	V	2.7	0	5.05	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	7	21	V	2.1	0	5.29	162
401430235	2011	11	7	22	V	2.3	0	5.21	165
401430235	2011	11	7	23	V	2.4	0	4.42	164
401430235	2011	11	7	24	V	15.2	0	2.23	303
401430235	2011	11	8	1	V	1.5	0	3.08	282
401430235	2011	11	8	2	V	1.7	1	2.08	97
401430235	2011	11	8	3	V	1.1	0	3.64	129
401430235	2011	11	8	4	V	1.6	0	2.13	116
401430235	2011	11	8	5	V	1.9	0	2.64	143
401430235	2011	11	8	6	V	1.6	0	2.54	119
401430235	2011	11	8	7	V	1.6	0	2.05	129
401430235	2011	11	8	8	V	2.8	0	2.45	137
401430235	2011	11	8	9	V	1.6	0	2.98	140
401430235	2011	11	8	10	V	1.5	0	4.25	105
401430235	2011	11	8	11	V	2.9	0	2.47	110
401430235	2011	11	8	12	V	2.8	0	3.44	159
401430235	2011	11	8	13	V	5.3	0	3.52	145
401430235	2011	11	8	14	V	3.1	0	2.37	162
401430235	2011	11	8	15	V	2.6	0	2.44	213
401430235	2011	11	8	16	V	2.9	1	2.96	257
401430235	2011	11	8	17	V	4.5	0	4.17	248
401430235	2011	11	8	18	V	4.3	0	4	249
401430235	2011	11	8	19	V	2.4	0	3.34	250
401430235	2011	11	8	20	V	2.8	0	3.73	258
401430235	2011	11	8	21	V	2.3	0	3.52	262
401430235	2011	11	8	22	V	2.5	0	4.46	266
401430235	2011	11	8	23	V	2.6	0	3.88	276
401430235	2011	11	8	24	V	2.1	0	4.29	276
401430235	2011	11	9	1	V	24.6	0	4.77	309
401430235	2011	11	9	2	V	30.3	0	4.95	317
401430235	2011	11	9	3	V	25.3	0	4.56	326
401430235	2011	11	9	4	V	11.6	0	4.54	338
401430235	2011	11	9	5	V	14.2	0	3.41	335
401430235	2011	11	9	6	V	8.2	0	3.71	341
401430235	2011	11	9	7	V	14.4	0	2.27	336
401430235	2011	11	9	8	V	7.7	0	1.72	302
401430235	2011	11	9	9	V	11.9	1	2.57	316
401430235	2011	11	9	10	V	9.6	3	3.18	327
401430235	2011	11	9	11	V	8.8	1	3.52	331
401430235	2011	11	9	12	V	4.5	1	3.74	343
401430235	2011	11	9	13	V	6.3	1	4.41	346
401430235	2011	11	9	14	V	3.7	3	4.07	348
401430235	2011	11	9	15	V	3.8	1	3.81	344
401430235	2011	11	9	16	V	9.9	4	3.64	330
401430235	2011	11	9	17	V	20.7	1	3.58	332
401430235	2011	11	9	18	V	19.3	0	2.33	333

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	9	19	V	34.0	1	1.55	321
401430235	2011	11	9	20	V	36.5	1	1.45	310
401430235	2011	11	9	21	V	4.9	1	1.03	295
401430235	2011	11	9	22	V	4.8	1	0.89	292
401430235	2011	11	9	23	V	3.9	0	0.77	197
401430235	2011	11	9	24	V	3.0	0	0.75	218
401430235	2011	11	10	1	V	1.7	0	1.14	204
401430235	2011	11	10	2	V	4.0	0	0.53	234
401430235	2011	11	10	3	C	-999	0	0	0
401430235	2011	11	10	4	C	-999	1	0	0
401430235	2011	11	10	5	C	-999	1	0	0
401430235	2011	11	10	6	V	3.2	1	0.7	206
401430235	2011	11	10	7	V	2.5	1	0.86	205
401430235	2011	11	10	8	V	3.3	2	0.89	224
401430235	2011	11	10	9	V	2.2	2	1.67	227
401430235	2011	11	10	10	V	1.9	1	2.16	223
401430235	2011	11	10	11	V	2.8	1	2.79	229
401430235	2011	11	10	12	V	2.9	1	2.54	239
401430235	2011	11	10	13	V	5.5	0	2.98	281
401430235	2011	11	10	14	V	3.7	0	3.06	286
401430235	2011	11	10	15	V	2.7	1	3.1	282
401430235	2011	11	10	16	V	3.0	1	2.79	268
401430235	2011	11	10	17	V	4.5	0	1.99	246
401430235	2011	11	10	18	V	4.3	1	1.25	233
401430235	2011	11	10	19	C	-999	1	0	0
401430235	2011	11	10	20	V	4.5	1	0.58	260
401430235	2011	11	10	21	V	4.0	1	0.57	225
401430235	2011	11	10	22	V	33.3	1	0.53	326
401430235	2011	11	10	23	V	4.8	0	0.55	270
401430235	2011	11	10	24	V	2.7	1	0.89	160
401430235	2011	11	11	1	V	1.4	1	1.7	199
401430235	2011	11	11	2	V	1.8	0	1.87	195
401430235	2011	11	11	3	V	1.4	1	1.25	209
401430235	2011	11	11	4	V	2.4	1	0.72	233
401430235	2011	11	11	5	V	1.9	0	1.82	208
401430235	2011	11	11	6	V	1.9	0	4.39	216
401430235	2011	11	11	7	V	1.6	0	2.96	195
401430235	2011	11	11	8	V	2.8	1	2.76	195
401430235	2011	11	11	9	V	2.0	1	2.5	183
401430235	2011	11	11	10	V	1.6	1	4.65	200
401430235	2011	11	11	11	V	2.7	1	6.55	206
401430235	2011	11	11	12	V	2.8	1	7.98	206
401430235	2011	11	11	13	V	5.3	1	7.79	205
401430235	2011	11	11	14	V	3.0	1	7.6	204
401430235	2011	11	11	15	V	2.3	0	7.13	205
401430235	2011	11	11	16	V	3.1	1	6.07	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	11	17	V	4.5	1	6.23	191
401430235	2011	11	11	18	V	4.2	1	5.12	196
401430235	2011	11	11	19	V	2.3	1	3.81	188
401430235	2011	11	11	20	V	2.7	1	2.16	184
401430235	2011	11	11	21	V	2.3	1	1.69	180
401430235	2011	11	11	22	V	4.1	1	0.69	198
401430235	2011	11	11	23	V	2.6	1	1.96	191
401430235	2011	11	11	24	V	2.0	1	3.25	188
401430235	2011	11	12	1	V	1.5	1	1.84	187
401430235	2011	11	12	2	V	1.6	1	2.73	185
401430235	2011	11	12	3	V	1.1	1	4.12	187
401430235	2011	11	12	4	V	1.7	1	5.27	188
401430235	2011	11	12	5	V	1.9	1	4.9	189
401430235	2011	11	12	6	V	1.6	1	4.37	183
401430235	2011	11	12	7	V	1.6	1	5.34	183
401430235	2011	11	12	8	V	2.9	1	5.75	183
401430235	2011	11	12	9	V	1.7	1	7.23	182
401430235	2011	11	12	10	V	1.7	1	7.33	185
401430235	2011	11	12	11	V	2.9	1	8.39	184
401430235	2011	11	12	12	V	2.9	1	9.08	188
401430235	2011	11	12	13	V	5.5	2	9.02	193
401430235	2011	11	12	14	V	3.1	2	9.95	195
401430235	2011	11	12	15	V	2.5	1	8.86	192
401430235	2011	11	12	16	V	3.1	1	9.08	195
401430235	2011	11	12	17	V	4.6	1	7.2	191
401430235	2011	11	12	18	V	4.2	1	4.94	186
401430235	2011	11	12	19	V	2.4	1	4.71	183
401430235	2011	11	12	20	V	2.7	1	4.46	186
401430235	2011	11	12	21	V	2.2	1	5.53	189
401430235	2011	11	12	22	V	2.6	1	7.33	192
401430235	2011	11	12	23	V	2.7	1	9.2	197
401430235	2011	11	12	24	V	2.2	1	7.84	198
401430235	2011	11	13	1	V	1.6	1	7.23	196
401430235	2011	11	13	2	V	1.8	1	7.08	198
401430235	2011	11	13	3	V	1.3	1	6.53	196
401430235	2011	11	13	4	V	1.7	1	5.82	197
401430235	2011	11	13	5	V	2.0	1	6.45	198
401430235	2011	11	13	6	V	1.7	1	5.73	199
401430235	2011	11	13	7	V	1.6	1	4.26	200
401430235	2011	11	13	8	V	2.8	1	4.29	199
401430235	2011	11	13	9	V	1.6	1	5.89	202
401430235	2011	11	13	10	V	1.5	1	6.74	213
401430235	2011	11	13	11	V	2.7	1	6.6	213
401430235	2011	11	13	12	V	2.8	2	5.28	221
401430235	2011	11	13	13	V	5.3	1	6.35	214
401430235	2011	11	13	14	V	3.0	1	6.57	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	13	15	V	2.3	1	5.67	216
401430235	2011	11	13	16	V	3.1	1	3.1	218
401430235	2011	11	13	17	V	4.5	1	0.99	282
401430235	2011	11	13	18	V	5.3	1	0.65	187
401430235	2011	11	13	19	V	2.9	1	0.8	215
401430235	2011	11	13	20	V	2.7	1	2.35	187
401430235	2011	11	13	21	V	2.2	1	4.49	191
401430235	2011	11	13	22	V	2.3	1	3.54	186
401430235	2011	11	13	23	V	2.5	1	4.92	195
401430235	2011	11	13	24	V	2.1	1	5.44	199
401430235	2011	11	14	1	V	1.4	2	5.39	200
401430235	2011	11	14	2	V	1.7	1	4.85	200
401430235	2011	11	14	3	V	1.1	1	4.17	203
401430235	2011	11	14	4	V	1.6	1	3.03	192
401430235	2011	11	14	5	V	1.9	1	4.27	198
401430235	2011	11	14	6	V	1.6	1	3.2	199
401430235	2011	11	14	7	V	1.6	1	3.05	207
401430235	2011	11	14	8	V	3.1	1	3.97	219
401430235	2011	11	14	9	V	1.7	1	2.37	247
401430235	2011	11	14	10	V	4.8	10	2.33	295
401430235	2011	11	14	11	V	14.8	1	2.21	323
401430235	2011	11	14	12	V	19.8	5	1.45	310
401430235	2011	11	14	13	V	21.8	3	1.69	317
401430235	2011	11	14	14	V	6.7	2	1.72	342
401430235	2011	11	14	15	V	3.1	-999	1.47	353
401430235	2011	11	14	16	V	3.3	-999	0.92	271
401430235	2011	11	14	17	V	4.5	1	1.47	358
401430235	2011	11	14	18	V	29.5	2	1.21	333
401430235	2011	11	14	19	V	2.4	1	1.99	13
401430235	2011	11	14	20	V	2.7	1	2.1	108
401430235	2011	11	14	21	V	2.2	1	2.28	99
401430235	2011	11	14	22	V	2.4	1	1.4	134
401430235	2011	11	14	23	V	8.5	1	1.03	299
401430235	2011	11	14	24	V	2.2	1	1.67	196
401430235	2011	11	15	1	V	1.3	1	3.86	174
401430235	2011	11	15	2	V	1.7	0	3.12	178
401430235	2011	11	15	3	V	1.2	1	1.23	359
401430235	2011	11	15	4	V	1.8	1	1.21	7
401430235	2011	11	15	5	V	3.4	1	0.69	356
401430235	2011	11	15	6	C	-999	1	0	0
401430235	2011	11	15	7	V	2.2	2	0.82	16
401430235	2011	11	15	8	V	4.0	2	0.65	25
401430235	2011	11	15	9	V	2.1	2	1.7	15
401430235	2011	11	15	10	V	2.8	1	1.72	26
401430235	2011	11	15	11	V	4.5	-999	1.84	31
401430235	2011	11	15	12	V	4.9	-999	1.77	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	15	13	V	7.9	-999	2.08	39
401430235	2011	11	15	14	V	4.5	-999	2.78	31
401430235	2011	11	15	15	V	3.6	0	2.88	31
401430235	2011	11	15	16	V	3.1	0	2.86	25
401430235	2011	11	15	17	V	4.4	1	2.67	21
401430235	2011	11	15	18	V	4.1	1	1.93	6
401430235	2011	11	15	19	V	2.3	1	2.52	7
401430235	2011	11	15	20	V	2.7	1	3.49	15
401430235	2011	11	15	21	V	2.1	1	2.62	6
401430235	2011	11	15	22	V	2.4	1	3.29	8
401430235	2011	11	15	23	V	2.5	1	4.15	16
401430235	2011	11	15	24	V	2.1	1	5.24	13
401430235	2011	11	16	1	V	1.4	0	5.12	11
401430235	2011	11	16	2	V	1.7	1	5.6	11
401430235	2011	11	16	3	V	1.2	1	5.29	10
401430235	2011	11	16	4	V	1.7	1	4.56	15
401430235	2011	11	16	5	V	1.9	1	4.09	17
401430235	2011	11	16	6	V	1.6	1	4.14	17
401430235	2011	11	16	7	V	1.7	1	5.16	15
401430235	2011	11	16	8	V	2.9	0	5.67	16
401430235	2011	11	16	9	V	1.5	0	6.02	23
401430235	2011	11	16	10	V	1.5	1	7.67	27
401430235	2011	11	16	11	V	2.7	1	7.01	26
401430235	2011	11	16	12	V	2.7	1	7.99	24
401430235	2011	11	16	13	V	5.3	1	8.56	23
401430235	2011	11	16	14	V	2.9	1	8.39	16
401430235	2011	11	16	15	V	2.2	1	7.62	14
401430235	2011	11	16	16	V	2.9	0	7.54	24
401430235	2011	11	16	17	V	4.4	1	6.72	24
401430235	2011	11	16	18	V	4.3	1	4.94	23
401430235	2011	11	16	19	V	2.5	0	5.87	3
401430235	2011	11	16	20	V	2.8	0	5.14	11
401430235	2011	11	16	21	V	2.2	1	2.96	4
401430235	2011	11	16	22	V	18.3	0	1.77	334
401430235	2011	11	16	23	V	10.4	0	2.13	337
401430235	2011	11	16	24	V	25.9	1	1.89	330
401430235	2011	11	17	1	V	9.6	1	2.03	337
401430235	2011	11	17	2	V	5.6	0	1.21	342
401430235	2011	11	17	3	V	30.1	0	1.23	308
401430235	2011	11	17	4	V	2.3	0	1.18	290
401430235	2011	11	17	5	V	2.0	0	1.28	358
401430235	2011	11	17	6	V	41.1	1	0.7	319
401430235	2011	11	17	7	V	2.0	1	0.97	251
401430235	2011	11	17	8	V	3.6	1	0.89	207
401430235	2011	11	17	9	V	3.7	1	0.89	204
401430235	2011	11	17	10	V	2.5	13	1.48	137

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	17	11	V	3.5	6	1.79	140
401430235	2011	11	17	12	V	3.2	2	2.4	184
401430235	2011	11	17	13	V	5.6	1	3.29	194
401430235	2011	11	17	14	V	3.2	1	3.93	195
401430235	2011	11	17	15	V	2.5	1	4.27	185
401430235	2011	11	17	16	V	3.0	1	4.48	177
401430235	2011	11	17	17	V	4.3	1	4.09	168
401430235	2011	11	17	18	V	4.1	1	3.13	166
401430235	2011	11	17	19	V	2.3	1	3.23	161
401430235	2011	11	17	20	V	2.6	1	3.51	165
401430235	2011	11	17	21	V	2.1	1	4.15	172
401430235	2011	11	17	22	V	2.3	1	3.51	169
401430235	2011	11	17	23	V	2.4	1	3.1	168
401430235	2011	11	17	24	V	2.0	1	4	176
401430235	2011	11	18	1	V	1.4	1	3.34	183
401430235	2011	11	18	2	V	1.6	1	3.85	183
401430235	2011	11	18	3	V	1.0	1	4.15	178
401430235	2011	11	18	4	V	1.6	1	5.38	172
401430235	2011	11	18	5	V	1.8	1	5.43	174
401430235	2011	11	18	6	V	1.5	0	4.97	173
401430235	2011	11	18	7	V	1.6	1	5.07	171
401430235	2011	11	18	8	V	2.7	2	5.05	171
401430235	2011	11	18	9	V	1.6	4	7.59	175
401430235	2011	11	18	10	V	1.6	3	8.91	178
401430235	2011	11	18	11	V	2.7	3	8.91	175
401430235	2011	11	18	12	V	2.8	3	8.85	176
401430235	2011	11	18	13	V	5.4	3	9.39	179
401430235	2011	11	18	14	V	3.1	2	8.86	181
401430235	2011	11	18	15	V	2.3	2	8.27	174
401430235	2011	11	18	16	V	3.1	2	8.44	186
401430235	2011	11	18	17	V	4.5	1	7.35	182
401430235	2011	11	18	18	V	4.1	1	5.36	175
401430235	2011	11	18	19	V	2.3	1	4.83	165
401430235	2011	11	18	20	V	2.7	1	4.31	167
401430235	2011	11	18	21	V	2.1	1	5.27	166
401430235	2011	11	18	22	V	2.3	1	5.58	159
401430235	2011	11	18	23	V	2.4	2	5.22	161
401430235	2011	11	18	24	V	2.0	2	5.04	163
401430235	2011	11	19	1	V	1.4	2	7.31	170
401430235	2011	11	19	2	V	1.7	2	6.67	171
401430235	2011	11	19	3	V	1.1	1	6.79	177
401430235	2011	11	19	4	V	1.8	1	7.15	184
401430235	2011	11	19	5	V	2.0	1	5.9	188
401430235	2011	11	19	6	V	1.8	1	6.5	187
401430235	2011	11	19	7	V	1.8	1	6.84	185
401430235	2011	11	19	8	V	3.0	1	6.75	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	19	9	V	1.8	1	6.74	187
401430235	2011	11	19	10	V	1.7	1	8.66	191
401430235	2011	11	19	11	V	2.8	1	9.44	197
401430235	2011	11	19	12	V	2.8	1	9.51	198
401430235	2011	11	19	13	V	5.4	1	8.83	201
401430235	2011	11	19	14	V	3.1	1	7.89	200
401430235	2011	11	19	15	V	2.5	1	8.1	192
401430235	2011	11	19	16	V	3.1	1	6.53	183
401430235	2011	11	19	17	V	4.4	1	5.09	184
401430235	2011	11	19	18	V	4.1	1	3.66	185
401430235	2011	11	19	19	V	2.3	1	2.49	176
401430235	2011	11	19	20	V	2.6	1	2.33	167
401430235	2011	11	19	21	V	2.3	1	5.6	2
401430235	2011	11	19	22	V	2.5	1	5.11	7
401430235	2011	11	19	23	V	2.5	1	5.94	12
401430235	2011	11	19	24	V	2.1	1	5.34	17
401430235	2011	11	20	1	V	1.4	1	5.87	19
401430235	2011	11	20	2	V	1.7	1	5.67	19
401430235	2011	11	20	3	V	1.2	1	5.29	24
401430235	2011	11	20	4	V	1.7	1	4.7	25
401430235	2011	11	20	5	V	1.9	1	4.1	11
401430235	2011	11	20	6	V	1.7	1	4.1	5
401430235	2011	11	20	7	V	1.7	1	4.41	9
401430235	2011	11	20	8	V	2.9	1	4.29	3
401430235	2011	11	20	9	V	1.6	1	3.68	357
401430235	2011	11	20	10	V	1.9	0	3.37	348
401430235	2011	11	20	11	V	6.0	1	3.13	339
401430235	2011	11	20	12	V	5.2	1	3.07	341
401430235	2011	11	20	13	V	11.6	1	2.78	334
401430235	2011	11	20	14	V	4.7	1	2.95	343
401430235	2011	11	20	15	V	2.3	1	2.88	355
401430235	2011	11	20	16	V	2.9	1	2.62	357
401430235	2011	11	20	17	V	4.4	0	2.52	10
401430235	2011	11	20	18	V	4.2	1	2.42	17
401430235	2011	11	20	19	V	2.4	1	3.22	22
401430235	2011	11	20	20	V	2.7	1	3.52	18
401430235	2011	11	20	21	V	2.2	0	3.08	11
401430235	2011	11	20	22	V	2.4	1	2.18	13
401430235	2011	11	20	23	V	2.5	0	2.5	3
401430235	2011	11	20	24	V	2.4	1	2.25	352
401430235	2011	11	21	1	V	3.8	1	2.18	346
401430235	2011	11	21	2	V	1.7	0	2.76	3
401430235	2011	11	21	3	V	1.4	1	2.73	356
401430235	2011	11	21	4	V	3.5	1	2.44	348
401430235	2011	11	21	5	V	2.1	1	1.84	351
401430235	2011	11	21	6	V	1.7	0	2.33	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	21	7	V	1.7	0	2.49	11
401430235	2011	11	21	8	V	2.9	1	2.69	7
401430235	2011	11	21	9	V	1.6	1	2.76	15
401430235	2011	11	21	10	V	1.8	1	2.11	8
401430235	2011	11	21	11	V	2.7	1	3.13	13
401430235	2011	11	21	12	V	2.9	1	1.94	20
401430235	2011	11	21	13	V	5.4	1	2.33	61
401430235	2011	11	21	14	V	3.1	1	2.79	25
401430235	2011	11	21	15	V	2.4	1	2.22	4
401430235	2011	11	21	16	V	2.9	1	3	4
401430235	2011	11	21	17	V	4.4	1	3.63	20
401430235	2011	11	21	18	V	4.2	1	4.08	25
401430235	2011	11	21	19	V	2.4	1	4.34	11
401430235	2011	11	21	20	V	3.0	1	2.37	355
401430235	2011	11	21	21	V	2.5	1	4.65	357
401430235	2011	11	21	22	V	2.4	1	3.01	4
401430235	2011	11	21	23	V	2.5	1	2.08	8
401430235	2011	11	21	24	V	23.0	1	1.99	331
401430235	2011	11	22	1	V	12.5	1	2.66	337
401430235	2011	11	22	2	V	7.3	1	3.01	342
401430235	2011	11	22	3	V	11.5	1	3.8	337
401430235	2011	11	22	4	V	28.6	1	2.64	316
401430235	2011	11	22	5	V	13.2	1	3.32	336
401430235	2011	11	22	6	V	11.6	1	2.62	338
401430235	2011	11	22	7	V	19.6	1	2.05	333
401430235	2011	11	22	8	V	41.6	1	1.26	318
401430235	2011	11	22	9	V	8.6	1	1.33	301
401430235	2011	11	22	10	V	10.2	1	2.4	307
401430235	2011	11	22	11	V	7.8	1	2.93	304
401430235	2011	11	22	12	V	10.9	1	2.49	307
401430235	2011	11	22	13	V	10.6	1	2.55	302
401430235	2011	11	22	14	V	9.6	1	2.73	305
401430235	2011	11	22	15	V	7.8	1	3.01	304
401430235	2011	11	22	16	V	10.1	1	2.74	306
401430235	2011	11	22	17	V	22.7	1	2.1	305
401430235	2011	11	22	18	V	5.2	1	2.13	299
401430235	2011	11	22	19	V	45.8	1	1.21	314
401430235	2011	11	22	20	V	10.3	1	0.8	297
401430235	2011	11	22	21	V	4.6	1	0.94	293
401430235	2011	11	22	22	V	9.0	1	0.79	296
401430235	2011	11	22	23	V	3.6	1	0.67	266
401430235	2011	11	22	24	V	2.8	1	0.75	255
401430235	2011	11	23	1	V	2.3	2	0.7	245
401430235	2011	11	23	2	C	-999	2	0	0
401430235	2011	11	23	3	C	-999	2	0	0
401430235	2011	11	23	4	V	2.3	3	0.86	213

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	23	5	C	-999	2	0	0
401430235	2011	11	23	6	V	2.8	3	0.62	239
401430235	2011	11	23	7	V	2.2	3	0.96	219
401430235	2011	11	23	8	C	-999	2	0	0
401430235	2011	11	23	9	V	3.4	2	0.55	210
401430235	2011	11	23	10	V	3.9	1	0.97	181
401430235	2011	11	23	11	V	5.3	1	1.03	154
401430235	2011	11	23	12	V	4.4	1	1.33	154
401430235	2011	11	23	13	V	5.9	1	2.33	188
401430235	2011	11	23	14	V	3.4	1	2.52	188
401430235	2011	11	23	15	V	2.5	1	2.2	168
401430235	2011	11	23	16	V	3.0	1	2.67	144
401430235	2011	11	23	17	V	4.3	1	2.66	146
401430235	2011	11	23	18	V	4.2	1	1.62	161
401430235	2011	11	23	19	V	3.5	1	0.77	167
401430235	2011	11	23	20	V	3.9	0	0.77	204
401430235	2011	11	23	21	V	2.8	0	0.89	218
401430235	2011	11	23	22	V	3.0	1	1.03	198
401430235	2011	11	23	23	V	4.3	1	0.69	194
401430235	2011	11	23	24	C	-999	1	0	0
401430235	2011	11	24	1	V	2.5	1	0.89	193
401430235	2011	11	24	2	V	3.8	1	0.65	194
401430235	2011	11	24	3	V	1.6	1	1.08	202
401430235	2011	11	24	4	V	2.9	1	0.84	187
401430235	2011	11	24	5	V	2.4	1	0.94	159
401430235	2011	11	24	6	V	1.6	1	2.11	178
401430235	2011	11	24	7	V	2.0	1	1.26	176
401430235	2011	11	24	8	V	2.8	1	2.59	162
401430235	2011	11	24	9	V	1.7	1	3.91	170
401430235	2011	11	24	10	V	1.6	1	4.71	177
401430235	2011	11	24	11	V	2.9	1	4.54	180
401430235	2011	11	24	12	V	2.9	1	5.29	181
401430235	2011	11	24	13	V	5.3	1	4.56	162
401430235	2011	11	24	14	V	3.0	1	5.44	158
401430235	2011	11	24	15	V	2.3	1	6.02	166
401430235	2011	11	24	16	V	2.9	1	5.87	166
401430235	2011	11	24	17	V	4.3	1	5.46	165
401430235	2011	11	24	18	V	4.1	1	4.53	170
401430235	2011	11	24	19	V	2.3	1	4.14	175
401430235	2011	11	24	20	V	2.6	1	4.17	174
401430235	2011	11	24	21	V	2.1	1	4.6	170
401430235	2011	11	24	22	V	2.3	1	4.83	173
401430235	2011	11	24	23	V	2.4	1	5.07	176
401430235	2011	11	24	24	V	2.0	1	5.82	174
401430235	2011	11	25	1	V	1.3	1	5.16	175
401430235	2011	11	25	2	V	1.6	1	3.97	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	25	3	V	1.1	1	5.5	176
401430235	2011	11	25	4	V	1.6	1	6.09	177
401430235	2011	11	25	5	V	1.9	1	5.82	180
401430235	2011	11	25	6	V	1.7	1	6.16	182
401430235	2011	11	25	7	V	1.7	1	5.58	182
401430235	2011	11	25	8	V	2.9	1	6.02	181
401430235	2011	11	25	9	V	1.7	1	6.41	181
401430235	2011	11	25	10	V	1.7	1	7.65	183
401430235	2011	11	25	11	V	2.9	1	8.01	185
401430235	2011	11	25	12	V	2.9	1	9.05	185
401430235	2011	11	25	13	V	5.5	1	8.95	186
401430235	2011	11	25	14	V	3.1	1	7.96	182
401430235	2011	11	25	15	V	2.5	1	6.89	185
401430235	2011	11	25	16	V	3.2	1	6.14	191
401430235	2011	11	25	17	V	4.4	1	5.72	182
401430235	2011	11	25	18	V	4.2	1	5.16	180
401430235	2011	11	25	19	V	2.3	1	4.05	176
401430235	2011	11	25	20	V	2.7	1	3.8	166
401430235	2011	11	25	21	V	2.1	1	3.88	162
401430235	2011	11	25	22	V	2.3	1	4.27	168
401430235	2011	11	25	23	V	2.5	1	3.41	164
401430235	2011	11	25	24	V	2.0	1	2.84	154
401430235	2011	11	26	1	V	1.4	1	3.12	153
401430235	2011	11	26	2	V	1.7	1	3.01	162
401430235	2011	11	26	3	V	1.1	1	3.32	177
401430235	2011	11	26	4	V	1.7	1	3.29	181
401430235	2011	11	26	5	V	1.9	1	4.14	185
401430235	2011	11	26	6	V	1.6	1	4.82	185
401430235	2011	11	26	7	V	1.7	1	5.21	189
401430235	2011	11	26	8	V	2.9	1	4.75	205
401430235	2011	11	26	9	V	5.7	1	4.95	333
401430235	2011	11	26	10	V	7.2	1	3.74	329
401430235	2011	11	26	11	V	9.6	1	4.49	321
401430235	2011	11	26	12	V	6.0	1	5.63	335
401430235	2011	11	26	13	V	10.1	1	5.17	330
401430235	2011	11	26	14	V	5.3	1	5.63	338
401430235	2011	11	26	15	V	3.7	1	5.16	342
401430235	2011	11	26	16	V	3.2	1	5.72	348
401430235	2011	11	26	17	V	8.5	1	4.31	345
401430235	2011	11	26	18	V	9.4	1	4.24	343
401430235	2011	11	26	19	V	7.9	1	4.63	343
401430235	2011	11	26	20	V	6.0	1	5.5	346
401430235	2011	11	26	21	V	6.2	1	5.68	345
401430235	2011	11	26	22	V	5.8	1	5.75	346
401430235	2011	11	26	23	V	7.6	1	5.89	343
401430235	2011	11	26	24	V	7.2	1	5.31	343

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	27	1	V	7.3	1	5.29	342
401430235	2011	11	27	2	V	9.3	1	5.11	340
401430235	2011	11	27	3	V	7.0	1	5.24	342
401430235	2011	11	27	4	V	11.4	1	4.41	337
401430235	2011	11	27	5	V	14.7	2	4.14	334
401430235	2011	11	27	6	V	22.6	9	3.51	325
401430235	2011	11	27	7	V	25.1	17	3.39	320
401430235	2011	11	27	8	V	24.3	22	3.37	324
401430235	2011	11	27	9	V	6.7	18	3.88	331
401430235	2011	11	27	10	V	4.1	4	4.71	339
401430235	2011	11	27	11	V	4.9	8	4.9	340
401430235	2011	11	27	12	V	4.4	4	4.92	342
401430235	2011	11	27	13	V	10.3	3	4.25	332
401430235	2011	11	27	14	V	9.7	2	3.86	326
401430235	2011	11	27	15	V	5.1	3	4.39	339
401430235	2011	11	27	16	V	5.6	7	3.83	340
401430235	2011	11	27	17	V	9.2	2	3.64	343
401430235	2011	11	27	18	V	17.6	1	1.88	335
401430235	2011	11	27	19	V	43.5	2	1.28	315
401430235	2011	11	27	20	V	39.0	10	1.55	317
401430235	2011	11	27	21	V	40.6	8	1.54	315
401430235	2011	11	27	22	V	29.4	4	1.03	307
401430235	2011	11	27	23	V	45.7	2	1.01	317
401430235	2011	11	27	24	V	41.6	2	1.33	317
401430235	2011	11	28	1	V	28.2	1	1.62	330
401430235	2011	11	28	2	V	1.9	1	1.09	235
401430235	2011	11	28	3	V	1.3	1	1.06	233
401430235	2011	11	28	4	V	2.6	1	0.72	274
401430235	2011	11	28	5	V	2.2	0	1.03	15
401430235	2011	11	28	6	V	2.4	1	1.01	288
401430235	2011	11	28	7	V	39.3	1	0.92	327
401430235	2011	11	28	8	V	34.5	1	0.7	310
401430235	2011	11	28	9	M	-999	3	1.38	348
401430235	2011	11	28	10	M	-999	2	2.25	36
401430235	2011	11	28	11	M	-999	1	2.2	13
401430235	2011	11	28	12	M	-999	1	2.55	1
401430235	2011	11	28	13	M	-999	3	2.54	8
401430235	2011	11	28	14	M	-999	1	1.89	356
401430235	2011	11	28	15	M	-999	2	2.5	23
401430235	2011	11	28	16	M	-999	4	1.96	330
401430235	2011	11	28	17	V	9.5	12	1.89	339
401430235	2011	11	28	18	V	5.2	2	0.91	288
401430235	2011	11	28	19	V	17.2	2	1.13	337
401430235	2011	11	28	20	V	26.3	2	0.77	306
401430235	2011	11	28	21	V	39.2	1	0.8	313
401430235	2011	11	28	22	V	4.3	1	0.63	358

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	28	23	V	7.6	1	0.82	295
401430235	2011	11	28	24	V	29.0	2	0.97	307
401430235	2011	11	29	1	V	3.3	7	0.63	138
401430235	2011	11	29	2	V	3.0	2	0.96	290
401430235	2011	11	29	3	V	1.3	2	1.01	237
401430235	2011	11	29	4	V	41.4	2	0.75	317
401430235	2011	11	29	5	V	41.2	26	0.96	312
401430235	2011	11	29	6	V	12.5	32	2.79	336
401430235	2011	11	29	7	V	2.6	3	3.73	350
401430235	2011	11	29	8	V	4.1	2	3.95	349
401430235	2011	11	29	9	V	1.6	2	5.21	356
401430235	2011	11	29	10	V	1.5	1	5.04	359
401430235	2011	11	29	11	V	2.9	1	4.68	354
401430235	2011	11	29	12	V	6.0	9	3.73	336
401430235	2011	11	29	13	V	6.9	4	4.29	343
401430235	2011	11	29	14	V	5.1	1	4.27	341
401430235	2011	11	29	15	V	2.3	1	4.68	358
401430235	2011	11	29	16	V	2.9	1	4.92	9
401430235	2011	11	29	17	V	4.4	1	4.6	10
401430235	2011	11	29	18	V	4.1	1	2.25	2
401430235	2011	11	29	19	V	5.3	1	1.98	341
401430235	2011	11	29	20	V	19.3	1	1.47	335
401430235	2011	11	29	21	V	17.4	1	1.65	335
401430235	2011	11	29	22	V	30.6	1	1.74	321
401430235	2011	11	29	23	V	43.6	1	1.08	320
401430235	2011	11	29	24	V	2.7	2	0.77	264
401430235	2011	11	30	1	V	3.1	2	0.58	235
401430235	2011	11	30	2	C	-999	1	0	0
401430235	2011	11	30	3	C	-999	2	0	0
401430235	2011	11	30	4	C	-999	2	0	0
401430235	2011	11	30	5	V	18.7	2	0.55	300
401430235	2011	11	30	6	V	2.5	2	0.75	218
401430235	2011	11	30	7	V	2.3	3	0.79	226
401430235	2011	11	30	8	V	3.8	4	0.84	201
401430235	2011	11	30	9	V	2.8	5	0.86	185
401430235	2011	11	30	10	V	2.2	2	1.55	163
401430235	2011	11	30	11	V	3.0	2	2.74	174
401430235	2011	11	30	12	V	3.2	2	2.4	179
401430235	2011	11	30	13	V	5.6	1	3.05	180
401430235	2011	11	30	14	V	3.1	2	4.29	174
401430235	2011	11	30	15	V	2.3	2	4.09	162
401430235	2011	11	30	16	V	2.9	-999	4.6	162
401430235	2011	11	30	17	V	4.3	0	4.12	160
401430235	2011	11	30	18	V	4.1	0	3.56	147
401430235	2011	11	30	19	V	2.3	0	2.13	157
401430235	2011	11	30	20	V	2.7	0	2.1	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	11	30	21	V	2.2	0	1.71	165
401430235	2011	11	30	22	V	2.3	0	2.93	179
401430235	2011	11	30	23	V	2.4	0	3.01	170
401430235	2011	11	30	24	V	2.0	0	2.42	168
401430235	2011	12	1	1	V	2.7	0	1.18	144
401430235	2011	12	1	2	V	2.6	0	1.57	159
401430235	2011	12	1	3	V	2.2	0	1.74	184
401430235	2011	12	1	4	V	1.9	0	2.76	177
401430235	2011	12	1	5	V	2.1	0	3.59	168
401430235	2011	12	1	6	V	2.0	0	3	165
401430235	2011	12	1	7	V	1.7	0	3.32	170
401430235	2011	12	1	8	V	2.4	0	3.4	175
401430235	2011	12	1	9	V	2.1	0	3.81	170
401430235	2011	12	1	10	V	3.1	1	4.68	173
401430235	2011	12	1	11	V	3.0	2	6.36	177
401430235	2011	12	1	12	V	5.6	2	7.4	185
401430235	2011	12	1	13	V	6.4	2	6.46	183
401430235	2011	12	1	14	V	3.1	1	6.46	185
401430235	2011	12	1	15	V	2.1	1	3.86	196
401430235	2011	12	1	16	V	3.3	1	3.36	210
401430235	2011	12	1	17	C	-999	1	0	0
401430235	2011	12	1	18	C	-999	2	0	0
401430235	2011	12	1	19	V	3.0	6	4.86	2
401430235	2011	12	1	20	V	2.5	1	7.96	24
401430235	2011	12	1	21	V	2.7	1	5.96	14
401430235	2011	12	1	22	V	2.7	1	5.36	9
401430235	2011	12	1	23	V	3.8	0	5.09	1
401430235	2011	12	1	24	V	3.3	0	5.26	2
401430235	2011	12	2	1	V	2.4	0	4.68	5
401430235	2011	12	2	2	V	2.4	0	4.49	1
401430235	2011	12	2	3	V	1.9	0	4.27	6
401430235	2011	12	2	4	V	1.9	0	4.12	6
401430235	2011	12	2	5	V	2.2	0	3.47	5
401430235	2011	12	2	6	V	2.1	0	3.59	5
401430235	2011	12	2	7	V	1.7	0	3.52	8
401430235	2011	12	2	8	V	2.5	0	3.32	23
401430235	2011	12	2	9	V	2.1	0	2.98	18
401430235	2011	12	2	10	V	3.0	0	2.76	12
401430235	2011	12	2	11	V	3.0	0	2.11	358
401430235	2011	12	2	12	V	5.6	0	1.55	8
401430235	2011	12	2	13	V	6.9	0	1.33	24
401430235	2011	12	2	14	V	3.5	0	1.06	101
401430235	2011	12	2	15	V	3.7	0	0.63	14
401430235	2011	12	2	16	V	3.4	0	0.74	85
401430235	2011	12	2	17	V	4.4	0	0.79	108
401430235	2011	12	2	18	V	4.5	0	1.54	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	2	19	V	3.0	0	1.91	137
401430235	2011	12	2	20	V	2.5	0	1.72	140
401430235	2011	12	2	21	V	2.8	0	1.64	148
401430235	2011	12	2	22	V	3.1	0	1.21	174
401430235	2011	12	2	23	V	5.2	0	0.84	190
401430235	2011	12	2	24	V	3.6	0	1.3	174
401430235	2011	12	3	1	V	2.4	0	3	159
401430235	2011	12	3	2	V	2.4	0	2.49	149
401430235	2011	12	3	3	V	2.0	0	3.8	150
401430235	2011	12	3	4	V	1.9	0	3.95	144
401430235	2011	12	3	5	V	2.1	0	3.42	142
401430235	2011	12	3	6	V	2.0	0	4.46	140
401430235	2011	12	3	7	V	1.7	0	4.39	145
401430235	2011	12	3	8	V	2.4	0	5.51	146
401430235	2011	12	3	9	V	2.0	0	6.77	143
401430235	2011	12	3	10	V	3.0	0	5.65	171
401430235	2011	12	3	11	V	2.9	0	6.75	170
401430235	2011	12	3	12	V	5.4	0	5.36	167
401430235	2011	12	3	13	V	6.2	0	3.24	238
401430235	2011	12	3	14	V	3.0	0	3.17	203
401430235	2011	12	3	15	V	2.0	0	4.51	180
401430235	2011	12	3	16	V	3.2	0	4.75	174
401430235	2011	12	3	17	V	3.5	1	3.15	202
401430235	2011	12	3	18	V	4.4	1	3	197
401430235	2011	12	3	19	V	3.0	0	3.44	257
401430235	2011	12	3	20	V	2.4	0	2.11	273
401430235	2011	12	3	21	V	2.9	0	1.26	265
401430235	2011	12	3	22	V	3.0	0	2.13	292
401430235	2011	12	3	23	V	4.0	0	3.44	289
401430235	2011	12	3	24	V	3.4	0	4.12	289
401430235	2011	12	4	1	V	2.5	0	3.03	285
401430235	2011	12	4	2	V	8.9	0	3.01	301
401430235	2011	12	4	3	V	21.6	0	3.83	325
401430235	2011	12	4	4	V	25.8	0	2.69	326
401430235	2011	12	4	5	V	11.1	0	2.74	337
401430235	2011	12	4	6	V	2.2	0	2.83	351
401430235	2011	12	4	7	V	1.7	0	2.95	357
401430235	2011	12	4	8	V	2.4	0	2.55	360
401430235	2011	12	4	9	V	2.1	0	3.2	6
401430235	2011	12	4	10	V	3.0	0	3.81	10
401430235	2011	12	4	11	V	2.9	0	3.49	2
401430235	2011	12	4	12	V	5.4	0	3.61	2
401430235	2011	12	4	13	V	6.2	0	3.29	10
401430235	2011	12	4	14	V	3.0	0	3.2	6
401430235	2011	12	4	15	V	1.9	0	3.35	12
401430235	2011	12	4	16	V	3.2	0	3.66	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	4	17	V	3.4	0	4.12	22
401430235	2011	12	4	18	V	4.3	0	2.45	12
401430235	2011	12	4	19	V	3.0	0	2.25	4
401430235	2011	12	4	20	V	2.4	0	3.85	20
401430235	2011	12	4	21	V	2.7	0	3.73	23
401430235	2011	12	4	22	V	2.7	0	4.05	8
401430235	2011	12	4	23	V	3.7	0	4.17	8
401430235	2011	12	4	24	V	3.2	0	4.41	7
401430235	2011	12	5	1	V	2.4	0	4.59	10
401430235	2011	12	5	2	V	2.4	0	5.12	18
401430235	2011	12	5	3	V	1.9	0	5.68	17
401430235	2011	12	5	4	V	1.9	0	6.06	19
401430235	2011	12	5	5	V	2.1	0	5.17	12
401430235	2011	12	5	6	V	2.0	0	4.85	357
401430235	2011	12	5	7	V	1.7	0	5.62	3
401430235	2011	12	5	8	V	2.4	0	5.84	7
401430235	2011	12	5	9	V	2.0	0	5.72	9
401430235	2011	12	5	10	V	2.9	0	6.72	10
401430235	2011	12	5	11	V	2.8	0	6.57	5
401430235	2011	12	5	12	V	5.3	0	6.19	5
401430235	2011	12	5	13	V	6.2	0	6.19	4
401430235	2011	12	5	14	V	2.8	0	6.57	11
401430235	2011	12	5	15	V	1.8	0	6.01	6
401430235	2011	12	5	16	V	3.1	0	5.38	11
401430235	2011	12	5	17	V	3.4	0	5.09	8
401430235	2011	12	5	18	V	4.4	0	5.02	4
401430235	2011	12	5	19	V	3.0	0	5.27	8
401430235	2011	12	5	20	V	2.4	0	5.79	4
401430235	2011	12	5	21	V	2.7	0	6.13	6
401430235	2011	12	5	22	V	2.7	0	5.58	7
401430235	2011	12	5	23	V	3.8	0	5.31	2
401430235	2011	12	5	24	V	3.3	0	4.7	3
401430235	2011	12	6	1	V	2.4	0	5.09	6
401430235	2011	12	6	2	V	2.4	0	4.87	3
401430235	2011	12	6	3	V	1.9	0	4.95	7
401430235	2011	12	6	4	V	1.9	0	4.65	10
401430235	2011	12	6	5	V	2.1	0	3.93	6
401430235	2011	12	6	6	V	2.0	0	4.12	357
401430235	2011	12	6	7	V	1.7	0	3.66	354
401430235	2011	12	6	8	V	2.6	0	3.58	352
401430235	2011	12	6	9	V	2.1	0	3.68	6
401430235	2011	12	6	10	V	3.0	0	3.71	11
401430235	2011	12	6	11	V	2.9	0	4.25	12
401430235	2011	12	6	12	V	5.4	0	3.85	11
401430235	2011	12	6	13	V	8.4	2	2.91	344
401430235	2011	12	6	14	V	7.5	1	3.37	335

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	6	15	V	9.6	4	3.57	310
401430235	2011	12	6	16	V	15.6	3	3.44	318
401430235	2011	12	6	17	V	31.8	1	2.93	320
401430235	2011	12	6	18	V	16.3	0	2.16	306
401430235	2011	12	6	19	V	3.4	0	1.26	286
401430235	2011	12	6	20	V	2.6	1	1.37	267
401430235	2011	12	6	21	V	2.9	0	1.25	260
401430235	2011	12	6	22	V	3.9	0	0.74	246
401430235	2011	12	6	23	V	5.8	0	0.63	279
401430235	2011	12	6	24	V	4.3	0	1.42	294
401430235	2011	12	7	1	V	2.8	0	1.11	274
401430235	2011	12	7	2	V	2.7	0	1.23	273
401430235	2011	12	7	3	V	2.3	1	1.13	273
401430235	2011	12	7	4	V	2.2	0	1.21	266
401430235	2011	12	7	5	V	3.3	1	0.74	261
401430235	2011	12	7	6	C	-999	1	0	0
401430235	2011	12	7	7	V	3.3	1	0.69	216
401430235	2011	12	7	8	V	4.6	1	0.63	219
401430235	2011	12	7	9	V	2.7	1	1.45	196
401430235	2011	12	7	10	V	3.6	1	2.06	197
401430235	2011	12	7	11	V	3.1	1	3.44	212
401430235	2011	12	7	12	V	5.5	0	4.48	214
401430235	2011	12	7	13	V	6.3	0	4.27	217
401430235	2011	12	7	14	V	3.1	0	3.68	217
401430235	2011	12	7	15	V	2.0	0	3.68	224
401430235	2011	12	7	16	V	3.3	0	3.47	206
401430235	2011	12	7	17	V	3.7	0	2.88	211
401430235	2011	12	7	18	V	4.6	1	1.55	199
401430235	2011	12	7	19	V	3.5	0	1.11	204
401430235	2011	12	7	20	V	3.3	0	0.89	214
401430235	2011	12	7	21	V	3.1	0	1.38	212
401430235	2011	12	7	22	V	4.6	0	0.65	218
401430235	2011	12	7	23	V	6.0	0	0.6	203
401430235	2011	12	7	24	C	-999	0	0	0
401430235	2011	12	8	1	C	-999	0	0	0
401430235	2011	12	8	2	C	-999	0	0	0
401430235	2011	12	8	3	C	-999	0	0	0
401430235	2011	12	8	4	V	4.6	0	0.55	204
401430235	2011	12	8	5	C	-999	0	0	0
401430235	2011	12	8	6	C	-999	1	0	0
401430235	2011	12	8	7	V	2.7	0	0.82	166
401430235	2011	12	8	8	V	3.0	0	1.08	176
401430235	2011	12	8	9	V	2.7	0	1.4	183
401430235	2011	12	8	10	V	3.3	0	2.32	163
401430235	2011	12	8	11	V	3.2	0	3.03	184
401430235	2011	12	8	12	V	5.7	0	3.24	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	8	13	V	6.3	1	3.49	131
401430235	2011	12	8	14	V	3.0	0	3.98	169
401430235	2011	12	8	15	V	2.1	1	4.2	183
401430235	2011	12	8	16	V	3.2	1	3.29	167
401430235	2011	12	8	17	V	3.4	0	2.73	137
401430235	2011	12	8	18	V	4.4	0	2.37	129
401430235	2011	12	8	19	V	3.3	0	1.2	138
401430235	2011	12	8	20	V	3.5	0	0.77	228
401430235	2011	12	8	21	V	5.0	0	0.58	232
401430235	2011	12	8	22	V	3.4	0	0.94	222
401430235	2011	12	8	23	V	44.0	0	0.7	321
401430235	2011	12	8	24	V	43.6	0	0.65	318
401430235	2011	12	9	1	V	5.0	1	0.52	271
401430235	2011	12	9	2	V	5.1	2	0.52	242
401430235	2011	12	9	3	C	-999	2	0	0
401430235	2011	12	9	4	C	-999	2	0	0
401430235	2011	12	9	5	C	-999	1	0	0
401430235	2011	12	9	6	C	-999	2	0	0
401430235	2011	12	9	7	V	3.8	2	0.63	220
401430235	2011	12	9	8	V	2.4	0	2.57	5
401430235	2011	12	9	9	V	2.1	0	3.4	9
401430235	2011	12	9	10	V	3.0	0	5.07	8
401430235	2011	12	9	11	V	2.9	0	4.48	12
401430235	2011	12	9	12	V	5.4	0	3.68	11
401430235	2011	12	9	13	V	6.2	0	3.9	3
401430235	2011	12	9	14	V	2.9	0	4.87	10
401430235	2011	12	9	15	V	1.9	0	4.58	7
401430235	2011	12	9	16	V	3.2	0	4.77	2
401430235	2011	12	9	17	V	3.4	0	3.61	358
401430235	2011	12	9	18	V	4.3	0	3	360
401430235	2011	12	9	19	V	3.1	0	1.6	358
401430235	2011	12	9	20	V	2.9	0	1.74	344
401430235	2011	12	9	21	V	2.9	0	1.3	358
401430235	2011	12	9	22	V	3.1	0	1.21	352
401430235	2011	12	9	23	V	3.8	0	2.52	8
401430235	2011	12	9	24	V	3.5	0	1.42	5
401430235	2011	12	10	1	V	30.2	0	1.08	333
401430235	2011	12	10	2	V	40.8	0	0.77	313
401430235	2011	12	10	3	V	40.1	0	0.65	323
401430235	2011	12	10	4	V	3.1	1	0.74	252
401430235	2011	12	10	5	V	4.9	1	0.52	237
401430235	2011	12	10	6	V	4.0	1	0.63	269
401430235	2011	12	10	7	V	2.1	1	1.03	265
401430235	2011	12	10	8	C	-999	1	0	0
401430235	2011	12	10	9	C	-999	1	0	0
401430235	2011	12	10	10	V	6.1	1	0.96	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	10	11	V	4.7	6	1.2	196
401430235	2011	12	10	12	V	6.0	3	1.82	175
401430235	2011	12	10	13	V	6.9	2	1.81	194
401430235	2011	12	10	14	V	3.5	1	1.84	185
401430235	2011	12	10	15	V	2.5	1	1.64	186
401430235	2011	12	10	16	V	4.0	1	1.11	191
401430235	2011	12	10	17	V	3.7	1	1.37	209
401430235	2011	12	10	18	V	6.9	0	0.55	233
401430235	2011	12	10	19	V	4.4	1	0.7	243
401430235	2011	12	10	20	V	4.4	1	0.62	278
401430235	2011	12	10	21	V	5.1	2	0.55	268
401430235	2011	12	10	22	C	-999	2	0	0
401430235	2011	12	10	23	V	4.9	3	0.75	229
401430235	2011	12	10	24	V	5.4	2	0.6	239
401430235	2011	12	11	1	V	4.3	1	0.62	245
401430235	2011	12	11	2	V	35.9	1	0.55	310
401430235	2011	12	11	3	C	-999	0	0	0
401430235	2011	12	11	4	V	4.7	1	0.52	255
401430235	2011	12	11	5	C	-999	1	0	0
401430235	2011	12	11	6	C	-999	1	0	0
401430235	2011	12	11	7	V	3.7	1	0.62	225
401430235	2011	12	11	8	V	3.4	1	0.82	223
401430235	2011	12	11	9	V	2.7	0	1.06	195
401430235	2011	12	11	10	V	3.2	0	2.61	171
401430235	2011	12	11	11	V	3.0	0	3.49	174
401430235	2011	12	11	12	V	5.4	0	4.36	167
401430235	2011	12	11	13	V	6.2	0	4.29	163
401430235	2011	12	11	14	V	2.9	0	4.73	164
401430235	2011	12	11	15	V	1.9	0	4.75	165
401430235	2011	12	11	16	V	3.2	0	5.17	167
401430235	2011	12	11	17	V	3.4	0	3.78	168
401430235	2011	12	11	18	V	4.4	0	3.29	160
401430235	2011	12	11	19	V	3.0	0	2.32	144
401430235	2011	12	11	20	V	2.4	0	2.42	144
401430235	2011	12	11	21	V	2.7	0	3.07	143
401430235	2011	12	11	22	V	2.7	0	3.18	144
401430235	2011	12	11	23	V	3.8	0	3.54	153
401430235	2011	12	11	24	V	3.3	0	3.9	165
401430235	2011	12	12	1	V	2.4	0	3.18	170
401430235	2011	12	12	2	V	2.5	0	3.32	169
401430235	2011	12	12	3	V	2.0	0	2.66	168
401430235	2011	12	12	4	V	2.0	0	3.07	167
401430235	2011	12	12	5	V	2.2	0	3	164
401430235	2011	12	12	6	V	2.1	0	3.3	165
401430235	2011	12	12	7	V	1.7	0	3.54	164
401430235	2011	12	12	8	V	2.5	0	3.73	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	12	9	V	2.1	0	3.98	163
401430235	2011	12	12	10	V	3.0	0	3.95	166
401430235	2011	12	12	11	V	2.9	0	4.65	167
401430235	2011	12	12	12	V	5.4	0	4.71	169
401430235	2011	12	12	13	V	6.3	0	3.61	172
401430235	2011	12	12	14	V	2.9	0	2.73	157
401430235	2011	12	12	15	V	1.9	0	2.74	164
401430235	2011	12	12	16	V	3.2	0	3.13	165
401430235	2011	12	12	17	V	3.5	0	3.01	161
401430235	2011	12	12	18	V	4.4	0	2.93	148
401430235	2011	12	12	19	V	3.0	0	3.17	158
401430235	2011	12	12	20	V	2.5	0	3.47	151
401430235	2011	12	12	21	V	2.7	0	2.76	128
401430235	2011	12	12	22	V	2.7	0	3.13	141
401430235	2011	12	12	23	V	3.8	0	2.01	146
401430235	2011	12	12	24	V	3.3	0	2.01	144
401430235	2011	12	13	1	V	2.5	0	1.4	158
401430235	2011	12	13	2	V	2.7	0	1.2	110
401430235	2011	12	13	3	V	2.1	0	1.45	97
401430235	2011	12	13	4	V	2.2	0	1.25	82
401430235	2011	12	13	5	V	2.1	0	2.06	119
401430235	2011	12	13	6	V	2.1	0	2.45	117
401430235	2011	12	13	7	V	1.8	0	1.48	58
401430235	2011	12	13	8	V	3.5	0	1.81	47
401430235	2011	12	13	9	V	5.3	1	1.84	45
401430235	2011	12	13	10	V	3.2	0	2.27	81
401430235	2011	12	13	11	V	3.0	0	3.27	110
401430235	2011	12	13	12	V	5.5	0	3.32	126
401430235	2011	12	13	13	V	6.3	-999	2.95	141
401430235	2011	12	13	14	V	3.0	0	2.2	166
401430235	2011	12	13	15	V	1.9	0	3.4	162
401430235	2011	12	13	16	V	3.2	0	3.86	161
401430235	2011	12	13	17	V	3.4	0	4.24	164
401430235	2011	12	13	18	V	4.4	0	3.97	164
401430235	2011	12	13	19	V	3.0	0	2.93	141
401430235	2011	12	13	20	V	2.5	0	3.17	156
401430235	2011	12	13	21	V	2.7	0	4.8	154
401430235	2011	12	13	22	V	2.7	0	5.82	164
401430235	2011	12	13	23	V	3.8	0	5.07	167
401430235	2011	12	13	24	V	3.3	0	4.56	168
401430235	2011	12	14	1	V	2.4	0	6.06	169
401430235	2011	12	14	2	V	2.4	0	5.43	167
401430235	2011	12	14	3	V	1.9	0	5.12	165
401430235	2011	12	14	4	V	1.9	1	4.17	157
401430235	2011	12	14	5	V	2.1	1	2.96	141
401430235	2011	12	14	6	V	2.0	1	4.59	160

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	14	7	V	1.7	1	5.41	166
401430235	2011	12	14	8	V	2.5	1	5.92	168
401430235	2011	12	14	9	V	2.1	1	6.19	169
401430235	2011	12	14	10	V	3.0	1	6.64	169
401430235	2011	12	14	11	V	2.9	1	6.14	170
401430235	2011	12	14	12	V	5.5	1	7.13	180
401430235	2011	12	14	13	V	6.4	1	7.11	185
401430235	2011	12	14	14	V	3.1	1	6.92	188
401430235	2011	12	14	15	V	2.1	1	5.7	194
401430235	2011	12	14	16	V	3.4	1	5.48	192
401430235	2011	12	14	17	V	3.5	1	3.32	203
401430235	2011	12	14	18	V	4.5	1	2.66	186
401430235	2011	12	14	19	V	3.1	1	3.39	192
401430235	2011	12	14	20	V	2.7	1	2.3	222
401430235	2011	12	14	21	V	2.8	0	2.44	222
401430235	2011	12	14	22	V	2.8	1	2.35	224
401430235	2011	12	14	23	V	3.8	0	1.89	231
401430235	2011	12	14	24	V	3.3	1	2.16	249
401430235	2011	12	15	1	V	2.3	0	2.79	273
401430235	2011	12	15	2	V	2.5	0	2.67	293
401430235	2011	12	15	3	V	3.5	1	2.61	302
401430235	2011	12	15	4	V	29.4	1	3.12	315
401430235	2011	12	15	5	V	2.5	0	3.37	346
401430235	2011	12	15	6	V	2.5	0	2.06	343
401430235	2011	12	15	7	V	14.5	1	1.59	336
401430235	2011	12	15	8	V	2.4	1	2.52	358
401430235	2011	12	15	9	V	2.4	0	1.99	351
401430235	2011	12	15	10	V	3.0	0	3.73	12
401430235	2011	12	15	11	V	2.9	0	3.81	6
401430235	2011	12	15	12	V	5.4	0	3.73	7
401430235	2011	12	15	13	V	6.2	0	4.58	10
401430235	2011	12	15	14	V	2.9	0	3.91	9
401430235	2011	12	15	15	V	1.9	0	3.83	9
401430235	2011	12	15	16	V	3.2	0	3.25	15
401430235	2011	12	15	17	V	3.4	0	1.86	10
401430235	2011	12	15	18	V	5.6	0	0.8	353
401430235	2011	12	15	19	V	31.3	1	1.11	333
401430235	2011	12	15	20	V	42.3	1	1.11	324
401430235	2011	12	15	21	V	2.6	0	2.81	1
401430235	2011	12	15	22	V	2.7	0	4.68	8
401430235	2011	12	15	23	V	3.8	0	4.25	14
401430235	2011	12	15	24	V	3.3	0	3.69	12
401430235	2011	12	16	1	V	2.3	0	2.91	6
401430235	2011	12	16	2	V	2.4	0	2.98	5
401430235	2011	12	16	3	V	1.9	0	2.9	8
401430235	2011	12	16	4	V	1.9	0	2.61	3

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	16	5	V	2.1	0	2.55	357
401430235	2011	12	16	6	V	2.0	0	3.25	359
401430235	2011	12	16	7	V	1.7	0	3.41	6
401430235	2011	12	16	8	V	2.4	1	3	13
401430235	2011	12	16	9	V	2.1	0	3.29	20
401430235	2011	12	16	10	V	3.1	0	3.17	18
401430235	2011	12	16	11	V	4.7	1	3.78	33
401430235	2011	12	16	12	V	5.4	2	4.02	19
401430235	2011	12	16	13	V	6.3	2	3.51	10
401430235	2011	12	16	14	V	2.9	1	3.58	11
401430235	2011	12	16	15	V	1.9	1	3.18	6
401430235	2011	12	16	16	V	3.3	1	2.52	17
401430235	2011	12	16	17	V	3.4	1	2.04	19
401430235	2011	12	16	18	V	5.4	0	0.86	353
401430235	2011	12	16	19	C	-999	0	0	0
401430235	2011	12	16	20	V	5.0	2	0.53	259
401430235	2011	12	16	21	V	5.4	3	0.52	274
401430235	2011	12	16	22	V	5.0	2	0.58	279
401430235	2011	12	16	23	V	5.5	2	0.65	233
401430235	2011	12	16	24	V	5.1	2	0.65	224
401430235	2011	12	17	1	C	-999	1	0	0
401430235	2011	12	17	2	V	3.1	2	1.08	218
401430235	2011	12	17	3	V	3.3	3	0.7	245
401430235	2011	12	17	4	V	2.4	3	1.13	207
401430235	2011	12	17	5	V	4.5	1	0.62	194
401430235	2011	12	17	6	V	3.1	2	0.86	203
401430235	2011	12	17	7	V	2.4	1	0.99	208
401430235	2011	12	17	8	V	3.5	1	0.84	218
401430235	2011	12	17	9	V	3.4	1	0.69	226
401430235	2011	12	17	10	V	4.7	1	1.09	193
401430235	2011	12	17	11	V	4.4	1	1.91	283
401430235	2011	12	17	12	V	9.6	14	1.71	349
401430235	2011	12	17	13	V	11.5	8	1.3	288
401430235	2011	12	17	14	V	3.8	2	1.4	267
401430235	2011	12	17	15	V	2.4	1	1.48	259
401430235	2011	12	17	16	V	9.6	1	1.4	338
401430235	2011	12	17	17	V	43.4	0	1.11	324
401430235	2011	12	17	18	V	18.7	1	0.74	300
401430235	2011	12	17	19	V	4.4	1	0.69	249
401430235	2011	12	17	20	V	4.6	1	0.58	261
401430235	2011	12	17	21	V	4.3	2	0.67	248
401430235	2011	12	17	22	V	17.8	2	0.58	339
401430235	2011	12	17	23	C	-999	2	0	0
401430235	2011	12	17	24	V	6.0	2	0.53	227
401430235	2011	12	18	1	V	4.0	3	0.75	199
401430235	2011	12	18	2	V	3.6	2	0.74	236

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	18	3	V	4.5	3	0.53	274
401430235	2011	12	18	4	V	3.2	3	0.82	200
401430235	2011	12	18	5	V	4.3	2	0.67	195
401430235	2011	12	18	6	V	4.9	1	0.53	215
401430235	2011	12	18	7	V	4.6	1	0.53	215
401430235	2011	12	18	8	V	4.2	1	0.67	223
401430235	2011	12	18	9	V	2.7	1	0.99	200
401430235	2011	12	18	10	V	3.6	1	1.2	165
401430235	2011	12	18	11	V	3.1	0	3.68	179
401430235	2011	12	18	12	V	5.6	0	5.12	193
401430235	2011	12	18	13	V	6.4	0	5.21	195
401430235	2011	12	18	14	V	3.1	0	4.49	195
401430235	2011	12	18	15	V	2.1	0	5.73	187
401430235	2011	12	18	16	V	3.3	1	5.87	181
401430235	2011	12	18	17	V	3.4	1	4.8	179
401430235	2011	12	18	18	V	4.4	1	4.92	179
401430235	2011	12	18	19	V	3.0	1	6.12	182
401430235	2011	12	18	20	V	2.5	1	6.41	186
401430235	2011	12	18	21	V	2.7	1	6.11	187
401430235	2011	12	18	22	V	2.8	1	5.58	188
401430235	2011	12	18	23	V	3.8	1	5.45	185
401430235	2011	12	18	24	V	3.3	1	5.72	187
401430235	2011	12	19	1	V	2.4	1	4.78	185
401430235	2011	12	19	2	V	2.5	1	4.58	184
401430235	2011	12	19	3	V	2.0	1	3.91	179
401430235	2011	12	19	4	V	2.0	1	4.03	182
401430235	2011	12	19	5	V	2.2	1	1.86	182
401430235	2011	12	19	6	V	2.1	1	2.61	173
401430235	2011	12	19	7	V	1.7	1	2.76	168
401430235	2011	12	19	8	V	2.5	1	2.61	161
401430235	2011	12	19	9	V	2.1	1	3.59	154
401430235	2011	12	19	10	V	3.0	1	3.17	159
401430235	2011	12	19	11	V	3.0	0	3.23	133
401430235	2011	12	19	12	V	5.4	1	3.76	139
401430235	2011	12	19	13	V	6.2	-999	4.05	113
401430235	2011	12	19	14	V	2.9	-999	3.17	118
401430235	2011	12	19	15	V	1.9	-999	4.88	111
401430235	2011	12	19	16	V	3.1	-999	5.26	109
401430235	2011	12	19	17	V	3.4	-999	2.27	120
401430235	2011	12	19	18	V	4.4	-999	3.22	61
401430235	2011	12	19	19	V	3.0	-999	3.76	30
401430235	2011	12	19	20	V	2.4	-999	4.44	23
401430235	2011	12	19	21	V	3.7	-999	5.05	35
401430235	2011	12	19	22	V	2.7	-999	4.9	54
401430235	2011	12	19	23	V	3.8	-999	4.51	51
401430235	2011	12	19	24	V	3.3	-999	3.54	52

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	20	1	V	2.5	-999	3.3	50
401430235	2011	12	20	2	V	2.8	-999	2.71	48
401430235	2011	12	20	3	V	4.3	-999	2.45	45
401430235	2011	12	20	4	V	2.0	-999	2.57	50
401430235	2011	12	20	5	V	2.2	-999	1.54	91
401430235	2011	12	20	6	V	2.3	-999	1.31	113
401430235	2011	12	20	7	V	2.1	-999	1.03	77
401430235	2011	12	20	8	V	2.8	-999	1.16	132
401430235	2011	12	20	9	V	2.1	-999	2.16	116
401430235	2011	12	20	10	V	3.1	-999	2.9	126
401430235	2011	12	20	11	V	2.9	-999	3.58	156
401430235	2011	12	20	12	V	5.4	-999	3.88	168
401430235	2011	12	20	13	V	6.3	-999	3.81	225
401430235	2011	12	20	14	V	3.0	-999	5.16	204
401430235	2011	12	20	15	V	1.9	-999	4.68	221
401430235	2011	12	20	16	V	3.2	-999	3.59	229
401430235	2011	12	20	17	V	3.5	-999	2.84	246
401430235	2011	12	20	18	V	5.7	-999	3.07	296
401430235	2011	12	20	19	V	3.0	-999	3.03	277
401430235	2011	12	20	20	V	2.5	-999	3.1	282
401430235	2011	12	20	21	V	2.7	-999	3.13	277
401430235	2011	12	20	22	V	2.8	-999	3.49	275
401430235	2011	12	20	23	V	3.8	-999	3.9	282
401430235	2011	12	20	24	V	3.3	-999	2.64	275
401430235	2011	12	21	1	V	2.4	-999	2.25	267
401430235	2011	12	21	2	V	2.5	-999	2.1	268
401430235	2011	12	21	3	V	2.0	-999	2.1	261
401430235	2011	12	21	4	V	2.0	-999	2.03	249
401430235	2011	12	21	5	V	2.2	-999	1.96	237
401430235	2011	12	21	6	V	2.1	-999	1.91	236
401430235	2011	12	21	7	V	1.9	-999	1.72	222
401430235	2011	12	21	8	V	3.3	-999	0.94	216
401430235	2011	12	21	9	V	2.2	-999	1.91	183
401430235	2011	12	21	10	V	3.1	-999	4.51	201
401430235	2011	12	21	11	V	3.0	-999	5.05	198
401430235	2011	12	21	12	V	5.7	-999	4.73	187
401430235	2011	12	21	13	V	6.5	-999	4.61	188
401430235	2011	12	21	14	V	3.1	-999	4.08	182
401430235	2011	12	21	15	V	2.1	-999	3.57	178
401430235	2011	12	21	16	V	3.2	-999	3.46	156
401430235	2011	12	21	17	V	3.4	-999	3.47	156
401430235	2011	12	21	18	V	4.3	-999	3.46	139
401430235	2011	12	21	19	V	2.9	-999	3.05	155
401430235	2011	12	21	20	V	2.4	-999	2.2	161
401430235	2011	12	21	21	V	2.9	-999	1.43	170
401430235	2011	12	21	22	V	3.1	-999	1.04	231

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	21	23	V	5.6	-999	0.67	209
401430235	2011	12	21	24	V	5.8	-999	0.52	125
401430235	2011	12	22	1	V	5.2	-999	0.52	226
401430235	2011	12	22	2	V	3.8	-999	0.72	114
401430235	2011	12	22	3	V	2.2	-999	1.28	63
401430235	2011	12	22	4	V	2.0	-999	1.84	114
401430235	2011	12	22	5	V	2.2	-999	2.01	117
401430235	2011	12	22	6	V	2.2	-999	1.42	127
401430235	2011	12	22	7	V	2.3	-999	0.96	135
401430235	2011	12	22	8	V	2.7	-999	1.28	15
401430235	2011	12	22	9	V	2.1	-999	2.56	24
401430235	2011	12	22	10	V	3.0	-999	3.22	14
401430235	2011	12	22	11	V	3.1	-999	3.15	24
401430235	2011	12	22	12	V	5.5	-999	3.44	5
401430235	2011	12	22	13	V	6.2	-999	5.33	7
401430235	2011	12	22	14	V	2.8	-999	5.72	10
401430235	2011	12	22	15	V	1.8	-999	5.41	1
401430235	2011	12	22	16	V	3.1	-999	6.24	4
401430235	2011	12	22	17	V	3.4	-999	5.92	4
401430235	2011	12	22	18	V	4.4	-999	6.16	7
401430235	2011	12	22	19	V	3.0	-999	5.9	6
401430235	2011	12	22	20	V	2.4	-999	5.5	4
401430235	2011	12	22	21	V	2.7	-999	5.48	4
401430235	2011	12	22	22	V	2.7	-999	5.43	5
401430235	2011	12	22	23	V	3.8	-999	4.6	360
401430235	2011	12	22	24	V	3.3	-999	4.22	4
401430235	2011	12	23	1	V	2.4	-999	4.49	359
401430235	2011	12	23	2	V	2.5	-999	4.15	355
401430235	2011	12	23	3	V	1.9	-999	4.02	1
401430235	2011	12	23	4	V	2.0	-999	3.93	355
401430235	2011	12	23	5	V	2.2	-999	3.57	2
401430235	2011	12	23	6	V	2.2	-999	2.78	350
401430235	2011	12	23	7	V	1.7	-999	2.69	358
401430235	2011	12	23	8	V	2.5	-999	2.71	360
401430235	2011	12	23	9	V	2.2	-999	2.86	353
401430235	2011	12	23	10	V	3.0	-999	3.42	358
401430235	2011	12	23	11	V	2.9	-999	3.61	15
401430235	2011	12	23	12	V	5.5	-999	3.8	25
401430235	2011	12	23	13	V	6.3	-999	3.68	24
401430235	2011	12	23	14	V	3.6	-999	3.08	29
401430235	2011	12	23	15	V	2.2	-999	1.87	91
401430235	2011	12	23	16	V	4.0	3	1.04	194
401430235	2011	12	23	17	V	34.6	0	1.84	318
401430235	2011	12	23	18	V	7.8	0	1.42	299
401430235	2011	12	23	19	V	4.9	0	0.84	288
401430235	2011	12	23	20	V	2.9	0	1.06	280

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	23	21	V	3.2	0	0.99	227
401430235	2011	12	23	22	V	4.1	0	0.82	199
401430235	2011	12	23	23	V	5.6	0	0.72	198
401430235	2011	12	23	24	C	-999	0	0	0
401430235	2011	12	24	1	C	-999	0	0	0
401430235	2011	12	24	2	V	4.2	0	0.69	208
401430235	2011	12	24	3	V	3.7	1	0.65	262
401430235	2011	12	24	4	C	-999	0	0	0
401430235	2011	12	24	5	V	2.9	1	1.01	199
401430235	2011	12	24	6	V	2.7	1	1.06	200
401430235	2011	12	24	7	V	2.4	0	0.99	207
401430235	2011	12	24	8	V	4.7	0	0.58	259
401430235	2011	12	24	9	V	3.8	0	0.63	123
401430235	2011	12	24	10	V	4.8	0	1.04	166
401430235	2011	12	24	11	V	4.9	0	1.23	173
401430235	2011	12	24	12	V	5.9	0	2.16	204
401430235	2011	12	24	13	V	6.5	0	2.71	199
401430235	2011	12	24	14	V	3.3	-999	2.23	204
401430235	2011	12	24	15	V	2.4	-999	1.72	202
401430235	2011	12	24	16	V	3.6	0	1.62	217
401430235	2011	12	24	17	V	3.8	0	1.13	210
401430235	2011	12	24	18	C	-999	0	0	0
401430235	2011	12	24	19	V	5.8	0	0.55	282
401430235	2011	12	24	20	C	-999	1	0	0
401430235	2011	12	24	21	V	5.3	2	0.53	245
401430235	2011	12	24	22	V	4.3	3	0.67	238
401430235	2011	12	24	23	V	6.4	3	0.53	244
401430235	2011	12	24	24	V	23.3	3	0.57	302
401430235	2011	12	25	1	V	2.8	1	1.04	228
401430235	2011	12	25	2	V	3.5	1	0.79	275
401430235	2011	12	25	3	C	-999	1	0	0
401430235	2011	12	25	4	V	28.8	1	0.67	306
401430235	2011	12	25	5	V	2.8	0	0.89	247
401430235	2011	12	25	6	V	3.5	0	0.69	265
401430235	2011	12	25	7	V	3.5	0	0.65	242
401430235	2011	12	25	8	V	3.2	1	0.86	258
401430235	2011	12	25	9	V	2.5	1	1.08	354
401430235	2011	12	25	10	V	5.9	0	0.86	132
401430235	2011	12	25	11	V	5.1	9	1.14	70
401430235	2011	12	25	12	V	6.8	2	2.11	55
401430235	2011	12	25	13	V	6.4	0	2.38	71
401430235	2011	12	25	14	V	3.6	0	1.48	100
401430235	2011	12	25	15	V	3.7	0	1.35	43
401430235	2011	12	25	16	V	5.4	0	1.86	36
401430235	2011	12	25	17	V	3.5	0	1.62	14
401430235	2011	12	25	18	V	40.0	0	0.79	328

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	25	19	V	4.0	0	0.91	285
401430235	2011	12	25	20	C	-999	0	0	0
401430235	2011	12	25	21	V	3.3	0	0.91	3
401430235	2011	12	25	22	V	8.7	0	0.96	297
401430235	2011	12	25	23	V	6.4	0	0.96	346
401430235	2011	12	25	24	V	3.3	-999	1.76	8
401430235	2011	12	26	1	V	6.5	-999	1.28	341
401430235	2011	12	26	2	V	2.5	-999	1.57	17
401430235	2011	12	26	3	V	2.0	-999	1.6	25
401430235	2011	12	26	4	V	6.5	-999	0.79	293
401430235	2011	12	26	5	V	3.9	0	0.65	246
401430235	2011	12	26	6	V	2.5	-999	1.21	213
401430235	2011	12	26	7	V	43.0	-999	0.91	322
401430235	2011	12	26	8	V	2.7	0	1.26	16
401430235	2011	12	26	9	V	2.1	0	1.96	92
401430235	2011	12	26	10	V	3.7	-999	1.13	248
401430235	2011	12	26	11	V	5.5	0	0.82	157
401430235	2011	12	26	12	V	8.0	0	1.04	43
401430235	2011	12	26	13	V	6.4	0	2.52	117
401430235	2011	12	26	14	V	3.0	0	3.17	129
401430235	2011	12	26	15	V	1.9	0	4.14	126
401430235	2011	12	26	16	V	3.2	0	3.32	138
401430235	2011	12	26	17	V	3.4	-999	1.99	147
401430235	2011	12	26	18	V	4.5	-999	1.62	134
401430235	2011	12	26	19	V	3.5	-999	1.16	180
401430235	2011	12	26	20	V	2.7	0	1.14	235
401430235	2011	12	26	21	V	3.3	0	1.21	217
401430235	2011	12	26	22	V	2.9	0	1.4	258
401430235	2011	12	26	23	V	3.8	0	1.98	265
401430235	2011	12	26	24	V	3.3	-999	2.3	280
401430235	2011	12	27	1	V	2.3	-999	2.57	271
401430235	2011	12	27	2	V	2.4	-999	3	282
401430235	2011	12	27	3	V	2.0	-999	2.54	288
401430235	2011	12	27	4	V	1.9	-999	2.11	280
401430235	2011	12	27	5	V	2.2	-999	2.47	290
401430235	2011	12	27	6	V	6.5	-999	2.11	303
401430235	2011	12	27	7	V	28.3	-999	1.99	309
401430235	2011	12	27	8	V	41.8	0	1.48	311
401430235	2011	12	27	9	V	20.2	7	2.66	332
401430235	2011	12	27	10	V	11.5	10	3.25	327
401430235	2011	12	27	11	V	12.0	7	3.3	324
401430235	2011	12	27	12	V	15.9	11	3.59	312
401430235	2011	12	27	13	V	16.6	10	3.97	315
401430235	2011	12	27	14	V	13.3	14	3.9	314
401430235	2011	12	27	15	V	10.7	11	4.27	310
401430235	2011	12	27	16	V	15.4	15	3.64	313

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	27	17	V	3.8	16	2.98	292
401430235	2011	12	27	18	V	4.5	0	1.38	269
401430235	2011	12	27	19	V	3.1	0	1.54	264
401430235	2011	12	27	20	V	2.8	0	1.18	272
401430235	2011	12	27	21	V	3.6	0	0.8	261
401430235	2011	12	27	22	V	3.9	0	0.79	215
401430235	2011	12	27	23	V	4.5	0	0.89	265
401430235	2011	12	27	24	C	-999	0	0	0
401430235	2011	12	28	1	V	4.6	1	0.6	224
401430235	2011	12	28	2	V	5.1	1	0.52	263
401430235	2011	12	28	3	C	-999	1	0	0
401430235	2011	12	28	4	V	8.8	0	0.6	293
401430235	2011	12	28	5	V	12.2	1	0.8	298
401430235	2011	12	28	6	V	2.6	1	1.09	219
401430235	2011	12	28	7	V	2.8	0	0.8	214
401430235	2011	12	28	8	V	4.0	0	0.7	277
401430235	2011	12	28	9	V	2.1	1	1.69	206
401430235	2011	12	28	10	V	3.4	0	2.2	197
401430235	2011	12	28	11	V	3.1	0	4.27	193
401430235	2011	12	28	12	V	5.6	0	4.78	196
401430235	2011	12	28	13	V	6.4	0	4.99	195
401430235	2011	12	28	14	V	3.0	0	4.34	214
401430235	2011	12	28	15	V	2.0	0	4.58	214
401430235	2011	12	28	16	V	3.3	0	3.71	216
401430235	2011	12	28	17	V	3.5	0	2.47	226
401430235	2011	12	28	18	V	4.6	0	1.45	202
401430235	2011	12	28	19	V	3.6	0	1.37	216
401430235	2011	12	28	20	V	3.0	0	1.33	214
401430235	2011	12	28	21	V	2.9	0	1.31	239
401430235	2011	12	28	22	V	4.6	0	0.67	207
401430235	2011	12	28	23	C	-999	0	0	0
401430235	2011	12	28	24	V	5.1	0	0.67	212
401430235	2011	12	29	1	V	31.1	0	0.62	307
401430235	2011	12	29	2	V	3.8	0	0.75	217
401430235	2011	12	29	3	V	2.8	0	0.94	215
401430235	2011	12	29	4	V	4.0	0	0.65	199
401430235	2011	12	29	5	V	2.8	0	1.04	218
401430235	2011	12	29	6	V	3.4	0	0.86	188
401430235	2011	12	29	7	V	2.6	0	0.82	224
401430235	2011	12	29	8	V	4.3	0	0.65	209
401430235	2011	12	29	9	V	2.4	1	1.43	183
401430235	2011	12	29	10	V	3.4	1	2.01	170
401430235	2011	12	29	11	V	3.3	1	2.67	182
401430235	2011	12	29	12	V	5.7	1	3.56	184
401430235	2011	12	29	13	V	6.3	1	4.68	206
401430235	2011	12	29	14	V	2.9	0	4.97	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	29	15	V	2.0	0	4.36	207
401430235	2011	12	29	16	V	3.5	0	4.39	188
401430235	2011	12	29	17	V	3.4	0	4.63	182
401430235	2011	12	29	18	V	4.4	1	3.81	181
401430235	2011	12	29	19	V	3.0	0	3.83	187
401430235	2011	12	29	20	V	2.4	0	4.61	186
401430235	2011	12	29	21	V	2.7	0	3.64	177
401430235	2011	12	29	22	V	2.7	0	3.71	202
401430235	2011	12	29	23	V	3.8	0	4.36	194
401430235	2011	12	29	24	V	3.3	0	3.64	205
401430235	2011	12	30	1	V	2.4	0	2.91	232
401430235	2011	12	30	2	V	2.4	0	2.57	242
401430235	2011	12	30	3	V	2.0	0	1.62	259
401430235	2011	12	30	4	V	24.9	0	3.1	321
401430235	2011	12	30	5	V	23.7	1	2.23	322
401430235	2011	12	30	6	V	2.4	0	1.08	269
401430235	2011	12	30	7	V	2.3	0	1.18	287
401430235	2011	12	30	8	V	3.0	0	1.01	281
401430235	2011	12	30	9	V	2.1	1	1.59	269
401430235	2011	12	30	10	V	6.1	1	2.35	293
401430235	2011	12	30	11	V	6.9	1	2.42	297
401430235	2011	12	30	12	V	5.7	0	2.91	285
401430235	2011	12	30	13	V	13.3	0	3.51	306
401430235	2011	12	30	14	V	10.6	0	3.83	309
401430235	2011	12	30	15	V	2.4	0	3.73	290
401430235	2011	12	30	16	V	3.2	0	3.2	262
401430235	2011	12	30	17	V	3.5	0	2.61	255
401430235	2011	12	30	18	V	4.4	0	1.94	257
401430235	2011	12	30	19	V	3.1	0	1.47	251
401430235	2011	12	30	20	V	4.1	0	0.67	240
401430235	2011	12	30	21	V	5.5	0	0.53	216
401430235	2011	12	30	22	C	-999	0	0	0
401430235	2011	12	30	23	V	5.0	1	0.77	210
401430235	2011	12	30	24	V	5.2	1	0.72	182
401430235	2011	12	31	1	V	4.6	0	0.58	250
401430235	2011	12	31	2	C	-999	0	0	0
401430235	2011	12	31	3	C	-999	0	0	0
401430235	2011	12	31	4	V	4.1	0	0.6	238
401430235	2011	12	31	5	V	3.9	0	0.72	200
401430235	2011	12	31	6	V	2.2	0	1.5	172
401430235	2011	12	31	7	V	2.7	0	0.84	215
401430235	2011	12	31	8	V	2.8	0	1.18	145
401430235	2011	12	31	9	V	2.2	0	2.91	186
401430235	2011	12	31	10	V	3.1	0	6.55	182
401430235	2011	12	31	11	V	3.0	0	8.74	184
401430235	2011	12	31	12	V	5.5	0	9.32	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2011	12	31	13	V	6.4	1	9.68	187
401430235	2011	12	31	14	V	3.1	0	11.02	193
401430235	2011	12	31	15	V	2.1	1	10.07	190
401430235	2011	12	31	16	V	3.2	1	7.77	202
401430235	2011	12	31	17	V	3.5	1	4.39	205
401430235	2011	12	31	18	V	4.4	0	2.28	225
401430235	2011	12	31	19	V	3.0	0	2.05	276
401430235	2011	12	31	20	V	2.5	0	5.11	289
401430235	2011	12	31	21	V	2.7	0	3.86	289
401430235	2011	12	31	22	V	11.6	0	5.96	302
401430235	2011	12	31	23	V	30.5	0	6.46	314
401430235	2011	12	31	24	V	26.8	0	5.36	317
401430235	2012	1	1	1	V	15.3	1	4.7	324
401430235	2012	1	1	2	V	19.6	7	3.2	309
401430235	2012	1	1	3	V	1.9	0	2.18	255
401430235	2012	1	1	4	V	1.9	0	1.87	260
401430235	2012	1	1	5	V	2.2	0	2.35	290
401430235	2012	1	1	6	V	4.0	6	3.2	300
401430235	2012	1	1	7	V	23.9	6	3.29	313
401430235	2012	1	1	8	V	15.2	11	2.1	328
401430235	2012	1	1	9	V	26.2	17	2.44	312
401430235	2012	1	1	10	V	8.8	16	3.39	330
401430235	2012	1	1	11	V	5.0	6	3.76	338
401430235	2012	1	1	12	V	8.9	6	3.39	333
401430235	2012	1	1	13	V	6.7	3	4.03	348
401430235	2012	1	1	14	V	8.0	1	3.47	325
401430235	2012	1	1	15	V	4.3	0	4.36	336
401430235	2012	1	1	16	V	7.9	8	4.39	330
401430235	2012	1	1	17	V	24.1	19	3.12	320
401430235	2012	1	1	18	V	4.5	0	1.98	287
401430235	2012	1	1	19	V	3.5	-999	1.82	294
401430235	2012	1	1	20	V	2.5	0	1.86	285
401430235	2012	1	1	21	V	2.8	0	1.64	285
401430235	2012	1	1	22	V	4.1	6	1.65	298
401430235	2012	1	1	23	V	8.3	6	2.44	335
401430235	2012	1	1	24	V	31.1	15	1.87	317
401430235	2012	1	2	1	V	4.6	26	2.52	337
401430235	2012	1	2	2	V	4.9	21	2.39	337
401430235	2012	1	2	3	V	1.9	-999	5.29	1
401430235	2012	1	2	4	V	1.9	-999	3.64	349
401430235	2012	1	2	5	V	14.2	20	2.21	328
401430235	2012	1	2	6	V	14.3	38	2.16	329
401430235	2012	1	2	7	V	23.1	4	2.01	319
401430235	2012	1	2	8	V	19.7	4	2.22	320
401430235	2012	1	2	9	V	12.4	11	2.54	331
401430235	2012	1	2	10	V	4.6	5	3.25	341

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	2	11	V	4.1	-999	3.73	342
401430235	2012	1	2	12	V	6.1	-999	4.17	345
401430235	2012	1	2	13	V	8.2	3	3.9	338
401430235	2012	1	2	14	V	8.9	5	3.8	319
401430235	2012	1	2	15	V	7.5	10	3.73	324
401430235	2012	1	2	16	V	11.2	11	3.83	318
401430235	2012	1	2	17	V	19.0	10	2.83	307
401430235	2012	1	2	18	V	5.3	1	1.48	294
401430235	2012	1	2	19	V	3.9	4	0.7	268
401430235	2012	1	2	20	V	3.5	9	0.96	287
401430235	2012	1	2	21	V	3.2	4	0.87	241
401430235	2012	1	2	22	V	3.4	0	0.8	245
401430235	2012	1	2	23	V	4.8	0	0.69	226
401430235	2012	1	2	24	V	5.1	0	0.53	272
401430235	2012	1	3	1	C	-999	0	0	0
401430235	2012	1	3	2	V	3.3	0	0.96	187
401430235	2012	1	3	3	V	2.6	0	0.86	223
401430235	2012	1	3	4	V	3.9	0	0.53	236
401430235	2012	1	3	5	C	-999	-999	0	0
401430235	2012	1	3	6	C	-999	-999	0	0
401430235	2012	1	3	7	V	2.4	-999	0.86	220
401430235	2012	1	3	8	V	2.6	-999	2.25	190
401430235	2012	1	3	9	V	2.1	-999	3.2	167
401430235	2012	1	3	10	V	3.0	0	3.9	166
401430235	2012	1	3	11	V	3.0	0	5.68	178
401430235	2012	1	3	12	V	5.6	0	7.28	188
401430235	2012	1	3	13	V	6.4	-999	6.82	185
401430235	2012	1	3	14	V	3.1	-999	7.04	192
401430235	2012	1	3	15	V	2.0	0	7.43	193
401430235	2012	1	3	16	V	3.4	0	7.31	187
401430235	2012	1	3	17	V	3.5	-999	6.33	184
401430235	2012	1	3	18	V	4.3	-999	3.78	171
401430235	2012	1	3	19	V	2.9	-999	3.44	171
401430235	2012	1	3	20	V	2.4	-999	3.17	177
401430235	2012	1	3	21	V	2.7	-999	2.49	185
401430235	2012	1	3	22	V	2.7	-999	2.98	185
401430235	2012	1	3	23	V	3.8	-999	3.69	188
401430235	2012	1	3	24	V	3.3	0	2.64	189
401430235	2012	1	4	1	V	2.5	0	1.7	169
401430235	2012	1	4	2	V	3.0	-999	0.92	164
401430235	2012	1	4	3	V	2.3	-999	1.16	210
401430235	2012	1	4	4	V	2.5	0	0.87	226
401430235	2012	1	4	5	C	-999	0	0	0
401430235	2012	1	4	6	V	4.0	0	0.52	264
401430235	2012	1	4	7	C	-999	1	0	0
401430235	2012	1	4	8	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	4	9	V	2.1	0	1.42	8
401430235	2012	1	4	10	V	3.0	0	4.88	9
401430235	2012	1	4	11	V	2.9	-999	5.14	10
401430235	2012	1	4	12	V	5.4	-999	4.46	7
401430235	2012	1	4	13	V	6.3	0	3.64	19
401430235	2012	1	4	14	V	7.7	1	2.23	334
401430235	2012	1	4	15	V	10.4	0	2.38	320
401430235	2012	1	4	16	V	12.0	2	2.67	322
401430235	2012	1	4	17	V	17.6	5	1.99	306
401430235	2012	1	4	18	V	6.7	4	1.3	297
401430235	2012	1	4	19	V	3.0	0	1.65	278
401430235	2012	1	4	20	V	2.6	0	1.99	288
401430235	2012	1	4	21	V	3.3	0	0.94	217
401430235	2012	1	4	22	V	3.7	0	0.84	200
401430235	2012	1	4	23	V	5.0	-999	0.65	269
401430235	2012	1	4	24	C	-999	-999	0	0
401430235	2012	1	5	1	V	3.9	0	0.63	205
401430235	2012	1	5	2	C	-999	0	0	0
401430235	2012	1	5	3	V	2.7	-999	0.86	214
401430235	2012	1	5	4	V	2.6	-999	0.77	233
401430235	2012	1	5	5	V	3.0	-999	0.97	196
401430235	2012	1	5	6	V	3.0	1	0.79	206
401430235	2012	1	5	7	V	2.4	1	0.94	201
401430235	2012	1	5	8	V	3.9	5	0.7	181
401430235	2012	1	5	9	V	2.4	0	1.3	198
401430235	2012	1	5	10	V	3.7	-999	1.81	212
401430235	2012	1	5	11	V	3.3	-999	2.62	217
401430235	2012	1	5	12	V	5.5	-999	3.73	210
401430235	2012	1	5	13	V	6.3	0	4.94	208
401430235	2012	1	5	14	V	2.9	0	5.68	210
401430235	2012	1	5	15	V	1.9	0	5.22	212
401430235	2012	1	5	16	V	3.2	0	4.7	210
401430235	2012	1	5	17	V	3.5	0	4.65	187
401430235	2012	1	5	18	V	4.4	1	3.81	193
401430235	2012	1	5	19	V	3.0	0	3.22	193
401430235	2012	1	5	20	V	2.5	0	2.93	193
401430235	2012	1	5	21	V	2.7	0	3.22	187
401430235	2012	1	5	22	V	2.9	0	1.87	183
401430235	2012	1	5	23	V	3.8	0	2.69	186
401430235	2012	1	5	24	V	3.4	0	2.27	187
401430235	2012	1	6	1	V	2.4	0	3.9	194
401430235	2012	1	6	2	V	2.5	0	3.97	192
401430235	2012	1	6	3	V	2.0	0	3	189
401430235	2012	1	6	4	V	2.0	0	2.86	191
401430235	2012	1	6	5	V	2.2	0	2.47	187
401430235	2012	1	6	6	V	2.1	0	2.35	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	6	7	V	1.8	0	1.57	176
401430235	2012	1	6	8	V	2.5	0	2.44	187
401430235	2012	1	6	9	V	2.2	0	2.79	196
401430235	2012	1	6	10	V	3.2	0	4.32	191
401430235	2012	1	6	11	V	3.0	0	5.41	195
401430235	2012	1	6	12	V	5.5	0	4.36	208
401430235	2012	1	6	13	V	6.4	0	4.37	185
401430235	2012	1	6	14	V	3.0	0	5.22	182
401430235	2012	1	6	15	V	2.1	0	4.61	192
401430235	2012	1	6	16	V	3.4	0	4.56	192
401430235	2012	1	6	17	V	3.5	0	3.63	192
401430235	2012	1	6	18	V	4.5	0	2.06	184
401430235	2012	1	6	19	V	3.2	0	1.09	256
401430235	2012	1	6	20	V	4.0	0	2.06	301
401430235	2012	1	6	21	V	2.6	0	4.58	4
401430235	2012	1	6	22	V	2.7	0	5.09	11
401430235	2012	1	6	23	V	3.7	0	4.8	16
401430235	2012	1	6	24	V	3.2	0	5.04	12
401430235	2012	1	7	1	V	2.3	0	4.37	15
401430235	2012	1	7	2	V	2.4	0	5.21	17
401430235	2012	1	7	3	V	1.9	0	5.63	14
401430235	2012	1	7	4	V	1.9	0	5.9	13
401430235	2012	1	7	5	V	2.1	0	4.48	11
401430235	2012	1	7	6	V	2.0	0	4.37	13
401430235	2012	1	7	7	V	1.6	0	4.24	16
401430235	2012	1	7	8	V	2.4	0	3.97	12
401430235	2012	1	7	9	V	2.0	0	4.8	15
401430235	2012	1	7	10	V	2.9	0	5.39	25
401430235	2012	1	7	11	V	3.8	0	5.21	33
401430235	2012	1	7	12	V	5.6	0	5.05	29
401430235	2012	1	7	13	V	7.0	0	5.14	32
401430235	2012	1	7	14	V	4.8	0	5.21	36
401430235	2012	1	7	15	V	4.3	0	4.8	42
401430235	2012	1	7	16	V	3.2	2	4.32	27
401430235	2012	1	7	17	V	3.4	2	4.7	20
401430235	2012	1	7	18	V	4.3	0	4.8	26
401430235	2012	1	7	19	V	3.0	0	4.44	23
401430235	2012	1	7	20	V	2.4	0	4.51	29
401430235	2012	1	7	21	V	2.7	0	3.49	23
401430235	2012	1	7	22	V	2.7	-999	4	24
401430235	2012	1	7	23	V	3.7	0	3.18	22
401430235	2012	1	7	24	V	3.3	0	2.95	18
401430235	2012	1	8	1	V	2.4	0	2.52	11
401430235	2012	1	8	2	V	2.4	-999	3.54	9
401430235	2012	1	8	3	V	1.9	0	3.44	17
401430235	2012	1	8	4	V	1.9	0	3.29	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	8	5	V	2.1	0	2.55	17
401430235	2012	1	8	6	V	2.0	0	2.86	16
401430235	2012	1	8	7	V	1.7	0	3.59	16
401430235	2012	1	8	8	V	2.4	0	3.85	14
401430235	2012	1	8	9	V	2.0	0	4	13
401430235	2012	1	8	10	V	3.0	0	4.2	16
401430235	2012	1	8	11	V	2.9	1	4.39	18
401430235	2012	1	8	12	V	5.4	2	3.98	15
401430235	2012	1	8	13	V	6.2	2	3.85	9
401430235	2012	1	8	14	V	2.9	3	3.86	11
401430235	2012	1	8	15	V	1.9	1	3.68	8
401430235	2012	1	8	16	V	3.2	0	3.85	7
401430235	2012	1	8	17	V	3.4	0	3.86	9
401430235	2012	1	8	18	V	4.3	0	3.06	7
401430235	2012	1	8	19	V	2.9	0	3.57	19
401430235	2012	1	8	20	V	2.4	0	3.13	14
401430235	2012	1	8	21	V	2.6	0	3.4	3
401430235	2012	1	8	22	V	2.7	0	4.24	7
401430235	2012	1	8	23	V	3.7	-999	4.26	15
401430235	2012	1	8	24	V	3.2	-999	3.56	14
401430235	2012	1	9	1	V	2.3	-999	3.69	10
401430235	2012	1	9	2	V	2.4	-999	3	10
401430235	2012	1	9	3	V	1.9	-999	3.98	4
401430235	2012	1	9	4	V	1.9	-999	3.25	10
401430235	2012	1	9	5	V	2.1	-999	2.15	357
401430235	2012	1	9	6	V	2.1	-999	1.81	345
401430235	2012	1	9	7	V	1.6	-999	2.37	356
401430235	2012	1	9	8	V	2.5	-999	1.84	351
401430235	2012	1	9	9	V	2.0	-999	2.98	6
401430235	2012	1	9	10	V	3.1	0	3.12	12
401430235	2012	1	9	11	V	2.9	0	3.63	10
401430235	2012	1	9	12	V	5.4	0	4.94	15
401430235	2012	1	9	13	V	6.2	0	4.88	9
401430235	2012	1	9	14	V	2.9	0	3.54	9
401430235	2012	1	9	15	V	2.3	0	3.01	27
401430235	2012	1	9	16	V	3.2	0	2.83	10
401430235	2012	1	9	17	V	3.4	0	2.35	360
401430235	2012	1	9	18	V	4.4	0	1.59	7
401430235	2012	1	9	19	V	3.4	0	0.97	3
401430235	2012	1	9	20	V	2.5	0	1.76	4
401430235	2012	1	9	21	V	2.7	0	1.79	355
401430235	2012	1	9	22	V	10.0	0	1.42	336
401430235	2012	1	9	23	V	3.8	0	2.25	17
401430235	2012	1	9	24	V	3.4	0	1.42	11
401430235	2012	1	10	1	V	2.4	0	2.1	23
401430235	2012	1	10	2	V	2.6	0	1.18	17

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	10	3	V	1.9	0	2.25	16
401430235	2012	1	10	4	V	3.9	0	2.35	36
401430235	2012	1	10	5	V	2.1	0	3.54	27
401430235	2012	1	10	6	V	33.4	0	1.23	314
401430235	2012	1	10	7	V	1.7	0	2.05	6
401430235	2012	1	10	8	V	2.4	0	3.27	15
401430235	2012	1	10	9	V	2.1	0	3.18	19
401430235	2012	1	10	10	V	3.0	0	3.18	6
401430235	2012	1	10	11	V	3.2	0	2.71	357
401430235	2012	1	10	12	V	5.4	0	3.32	4
401430235	2012	1	10	13	C	-999	0	0	0
401430235	2012	1	10	14	C	-999	0	0	0
401430235	2012	1	10	15	V	4.8	0	1.76	296
401430235	2012	1	10	16	V	4.1	3	1.76	288
401430235	2012	1	10	17	C	-999	2	0	0
401430235	2012	1	10	18	C	-999	1	0	0
401430235	2012	1	10	19	C	-999	1	0	0
401430235	2012	1	10	20	C	-999	1	0	0
401430235	2012	1	10	21	V	38.1	3	1.16	317
401430235	2012	1	10	22	V	4.2	3	0.6	259
401430235	2012	1	10	23	V	3.9	1	1.43	143
401430235	2012	1	10	24	V	4.2	0	0.77	166
401430235	2012	1	11	1	V	2.9	0	0.87	244
401430235	2012	1	11	2	V	3.8	0	0.67	213
401430235	2012	1	11	3	C	-999	0	0	0
401430235	2012	1	11	4	V	2.7	1	0.75	239
401430235	2012	1	11	5	V	2.6	0	0.89	237
401430235	2012	1	11	6	V	2.3	0	1.08	234
401430235	2012	1	11	7	V	2.4	1	0.82	224
401430235	2012	1	11	8	C	-999	2	0	0
401430235	2012	1	11	9	V	3.1	2	0.72	216
401430235	2012	1	11	10	V	4.6	2	1.03	178
401430235	2012	1	11	11	V	4.1	1	1.45	188
401430235	2012	1	11	12	V	5.9	1	2.18	219
401430235	2012	1	11	13	V	6.3	1	2.71	260
401430235	2012	1	11	14	V	3.3	0	3.93	289
401430235	2012	1	11	15	V	8.6	8	4.75	315
401430235	2012	1	11	16	V	6.2	5	4.99	334
401430235	2012	1	11	17	V	19.2	2	5.41	324
401430235	2012	1	11	18	V	11.7	0	5.72	332
401430235	2012	1	11	19	V	3.7	0	6.38	345
401430235	2012	1	11	20	V	4.4	0	6.47	341
401430235	2012	1	11	21	V	10.1	0	6.21	332
401430235	2012	1	11	22	V	4.3	-999	5.92	342
401430235	2012	1	11	23	V	6.4	0	5.27	339
401430235	2012	1	11	24	V	6.8	-999	4.53	337

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	12	1	V	6.8	0	4.73	334
401430235	2012	1	12	2	V	10.2	0	3.92	330
401430235	2012	1	12	3	V	12.4	0	4.19	325
401430235	2012	1	12	4	V	23.2	3	3.49	313
401430235	2012	1	12	5	V	17.7	10	4.77	312
401430235	2012	1	12	6	V	17.8	38	4.05	316
401430235	2012	1	12	7	V	5.5	6	4	302
401430235	2012	1	12	8	V	17.4	17	4.88	311
401430235	2012	1	12	9	V	10.3	6	3.22	303
401430235	2012	1	12	10	V	5.9	2	4.54	302
401430235	2012	1	12	11	V	9.1	17	4.95	312
401430235	2012	1	12	12	V	6.9	23	4.92	298
401430235	2012	1	12	13	V	7.6	11	5.04	297
401430235	2012	1	12	14	V	3.6	1	4.76	293
401430235	2012	1	12	15	V	2.0	0	4.94	287
401430235	2012	1	12	16	V	3.4	0	4.61	289
401430235	2012	1	12	17	V	3.5	0	4.41	286
401430235	2012	1	12	18	V	4.3	0	3.07	283
401430235	2012	1	12	19	V	2.9	0	2.37	268
401430235	2012	1	12	20	V	2.4	0	1.81	263
401430235	2012	1	12	21	V	2.7	0	2.13	262
401430235	2012	1	12	22	V	2.7	0	1.98	267
401430235	2012	1	12	23	V	3.8	0	1.98	258
401430235	2012	1	12	24	V	3.3	0	1.64	278
401430235	2012	1	13	1	V	2.7	0	1.23	284
401430235	2012	1	13	2	V	2.5	0	1.6	279
401430235	2012	1	13	3	V	19.0	0	0.82	304
401430235	2012	1	13	4	V	2.1	0	1.31	278
401430235	2012	1	13	5	V	3.3	1	0.67	252
401430235	2012	1	13	6	C	-999	0	0	0
401430235	2012	1	13	7	V	3.2	0	0.72	184
401430235	2012	1	13	8	V	2.8	2	1.13	204
401430235	2012	1	13	9	V	2.7	1	0.8	226
401430235	2012	1	13	10	V	4.3	-999	1.25	214
401430235	2012	1	13	11	V	4.2	-999	1.3	207
401430235	2012	1	13	12	V	5.7	1	2.74	209
401430235	2012	1	13	13	V	6.4	0	3.32	215
401430235	2012	1	13	14	V	3.0	0	3.47	211
401430235	2012	1	13	15	V	2.0	0	3.42	221
401430235	2012	1	13	16	V	3.2	0	3.34	227
401430235	2012	1	13	17	V	3.5	0	2.45	237
401430235	2012	1	13	18	V	4.5	0	1.09	235
401430235	2012	1	13	19	C	-999	1	0	0
401430235	2012	1	13	20	C	-999	4	0	0
401430235	2012	1	13	21	V	3.1	3	1.37	213
401430235	2012	1	13	22	V	2.8	1	1.6	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	13	23	V	4.5	0	0.89	203
401430235	2012	1	13	24	C	-999	0	0	0
401430235	2012	1	14	1	C	-999	0	0	0
401430235	2012	1	14	2	V	2.8	0	1.08	212
401430235	2012	1	14	3	V	2.5	1	0.84	225
401430235	2012	1	14	4	V	2.6	1	0.86	207
401430235	2012	1	14	5	V	2.1	0	1.98	232
401430235	2012	1	14	6	V	2.0	0	1.89	259
401430235	2012	1	14	7	V	1.7	0	1.5	249
401430235	2012	1	14	8	V	2.7	0	1.06	249
401430235	2012	1	14	9	V	24.3	2	2.2	310
401430235	2012	1	14	10	V	10.9	17	3.3	320
401430235	2012	1	14	11	V	6.3	15	4.32	331
401430235	2012	1	14	12	V	11.0	12	3.93	321
401430235	2012	1	14	13	V	13.2	15	4.02	321
401430235	2012	1	14	14	V	10.0	8	3.52	319
401430235	2012	1	14	15	V	4.0	6	2.61	296
401430235	2012	1	14	16	V	4.6	4	2.44	290
401430235	2012	1	14	17	V	3.6	11	1.93	280
401430235	2012	1	14	18	V	4.5	1	1.3	255
401430235	2012	1	14	19	V	4.6	2	0.62	281
401430235	2012	1	14	20	V	21.4	3	0.6	304
401430235	2012	1	14	21	C	-999	2	0	0
401430235	2012	1	14	22	V	4.6	2	0.6	198
401430235	2012	1	14	23	V	5.5	2	0.55	244
401430235	2012	1	14	24	V	5.0	2	0.55	242
401430235	2012	1	15	1	C	-999	3	0	0
401430235	2012	1	15	2	V	3.4	3	0.74	219
401430235	2012	1	15	3	V	3.2	2	0.65	255
401430235	2012	1	15	4	V	2.5	1	1.11	199
401430235	2012	1	15	5	V	2.5	2	1.43	197
401430235	2012	1	15	6	V	2.3	1	1.57	185
401430235	2012	1	15	7	V	1.8	0	1.62	177
401430235	2012	1	15	8	V	2.4	0	2.61	162
401430235	2012	1	15	9	V	2.0	0	3.9	168
401430235	2012	1	15	10	V	3.0	1	4.73	164
401430235	2012	1	15	11	V	2.9	1	5.53	167
401430235	2012	1	15	12	V	5.4	1	5.46	169
401430235	2012	1	15	13	V	6.3	2	6.84	176
401430235	2012	1	15	14	V	3.0	2	7.93	180
401430235	2012	1	15	15	V	1.9	1	8.17	179
401430235	2012	1	15	16	V	3.2	1	7.3	176
401430235	2012	1	15	17	V	3.4	1	6.02	172
401430235	2012	1	15	18	V	4.3	1	5.07	165
401430235	2012	1	15	19	V	3.0	1	6.86	179
401430235	2012	1	15	20	V	2.5	1	7.4	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	15	21	V	2.7	1	6.87	177
401430235	2012	1	15	22	V	2.7	2	6.5	179
401430235	2012	1	15	23	V	3.8	1	6.99	182
401430235	2012	1	15	24	V	3.5	1	8.01	190
401430235	2012	1	16	1	V	2.5	1	8.08	196
401430235	2012	1	16	2	V	2.6	1	8.22	198
401430235	2012	1	16	3	V	2.1	0	8.2	195
401430235	2012	1	16	4	V	2.1	1	7.76	196
401430235	2012	1	16	5	V	2.3	1	7.31	195
401430235	2012	1	16	6	V	2.1	1	7.11	200
401430235	2012	1	16	7	V	1.8	2	7.11	200
401430235	2012	1	16	8	V	2.5	2	7.47	201
401430235	2012	1	16	9	V	2.1	1	7.28	207
401430235	2012	1	16	10	V	3.0	1	7.99	208
401430235	2012	1	16	11	V	2.9	1	7.96	212
401430235	2012	1	16	12	V	5.4	1	7.43	214
401430235	2012	1	16	13	V	6.2	1	7.81	210
401430235	2012	1	16	14	V	2.9	1	7.31	207
401430235	2012	1	16	15	V	1.9	1	6.99	206
401430235	2012	1	16	16	V	3.3	2	6.82	194
401430235	2012	1	16	17	V	3.6	1	6.4	193
401430235	2012	1	16	18	V	4.5	1	7.43	189
401430235	2012	1	16	19	V	3.1	1	6.84	195
401430235	2012	1	16	20	V	2.5	1	6.75	194
401430235	2012	1	16	21	V	2.9	1	8.03	194
401430235	2012	1	16	22	V	2.9	1	8.27	195
401430235	2012	1	16	23	V	3.9	1	7.48	200
401430235	2012	1	16	24	V	3.3	2	6.79	199
401430235	2012	1	17	1	V	2.4	2	5.97	201
401430235	2012	1	17	2	V	2.5	1	4.36	226
401430235	2012	1	17	3	V	9.4	1	5.84	303
401430235	2012	1	17	4	V	20.5	2	5.78	319
401430235	2012	1	17	5	V	11.7	3	4.49	327
401430235	2012	1	17	6	V	13.2	3	4.58	325
401430235	2012	1	17	7	V	16.0	4	4.44	320
401430235	2012	1	17	8	V	8.8	3	4.29	330
401430235	2012	1	17	9	V	7.0	4	5.11	335
401430235	2012	1	17	10	V	4.7	4	4.92	338
401430235	2012	1	17	11	V	4.3	2	5.14	339
401430235	2012	1	17	12	V	7.9	3	4.65	335
401430235	2012	1	17	13	V	6.8	3	4.73	345
401430235	2012	1	17	14	V	3.1	0	4.29	351
401430235	2012	1	17	15	V	1.9	0	4.49	354
401430235	2012	1	17	16	V	3.2	0	4.36	3
401430235	2012	1	17	17	V	3.4	0	4.54	8
401430235	2012	1	17	18	V	4.3	0	3.41	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	17	19	V	2.9	0	2.42	355
401430235	2012	1	17	20	V	2.4	0	2.73	355
401430235	2012	1	17	21	V	2.6	0	2.93	351
401430235	2012	1	17	22	V	2.7	0	2.47	350
401430235	2012	1	17	23	V	3.7	0	2.69	8
401430235	2012	1	17	24	V	3.2	0	2.08	5
401430235	2012	1	18	1	V	2.4	0	2.06	15
401430235	2012	1	18	2	V	2.4	0	1.84	23
401430235	2012	1	18	3	V	2.1	0	1.3	24
401430235	2012	1	18	4	V	3.6	0	0.67	283
401430235	2012	1	18	5	C	-999	1	0	0
401430235	2012	1	18	6	V	2.7	0	0.84	277
401430235	2012	1	18	7	V	2.4	4	0.77	244
401430235	2012	1	18	8	C	-999	2	0	0
401430235	2012	1	18	9	V	2.6	2	1.04	199
401430235	2012	1	18	10	V	3.5	1	2.08	199
401430235	2012	1	18	11	V	3.1	0	4.32	191
401430235	2012	1	18	12	V	5.6	0	3.83	195
401430235	2012	1	18	13	V	6.4	0	3.54	187
401430235	2012	1	18	14	V	3.1	0	4.02	189
401430235	2012	1	18	15	V	2.1	0	4.54	187
401430235	2012	1	18	16	V	3.4	0	4.19	183
401430235	2012	1	18	17	V	3.5	0	3.93	178
401430235	2012	1	18	18	V	4.3	0	2.93	179
401430235	2012	1	18	19	V	3.0	0	2.23	185
401430235	2012	1	18	20	V	2.7	1	1.93	191
401430235	2012	1	18	21	V	3.0	0	1.35	200
401430235	2012	1	18	22	V	2.8	0	2.42	188
401430235	2012	1	18	23	V	4.0	0	1.57	181
401430235	2012	1	18	24	V	3.4	0	1.65	173
401430235	2012	1	19	1	V	2.6	0	1.38	179
401430235	2012	1	19	2	V	2.8	1	1.03	159
401430235	2012	1	19	3	V	1.9	0	2.4	161
401430235	2012	1	19	4	V	2.1	0	1.55	171
401430235	2012	1	19	5	V	2.1	0	1.99	162
401430235	2012	1	19	6	V	2.0	0	2.13	171
401430235	2012	1	19	7	V	2.1	0	1.54	188
401430235	2012	1	19	8	V	2.7	1	1.06	278
401430235	2012	1	19	9	V	2.3	2	1.07	8
401430235	2012	1	19	10	V	3.9	1	2.65	31
401430235	2012	1	19	11	V	5.2	2	1.3	38
401430235	2012	1	19	12	V	16.4	15	1.82	311
401430235	2012	1	19	13	V	6.4	2	3.27	26
401430235	2012	1	19	14	V	2.9	1	4.46	20
401430235	2012	1	19	15	V	1.9	2	4.41	9
401430235	2012	1	19	16	V	3.2	2	4.27	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	19	17	V	3.3	1	3.68	9
401430235	2012	1	19	18	V	4.3	1	3.17	3
401430235	2012	1	19	19	V	2.9	0	2.69	358
401430235	2012	1	19	20	V	2.4	0	3.29	356
401430235	2012	1	19	21	V	2.6	0	4.12	15
401430235	2012	1	19	22	V	2.7	0	4.05	17
401430235	2012	1	19	23	V	3.7	0	3.91	15
401430235	2012	1	19	24	V	3.2	0	4.12	23
401430235	2012	1	20	1	V	2.3	0	3.08	18
401430235	2012	1	20	2	V	2.4	0	3.1	29
401430235	2012	1	20	3	V	1.9	0	3.32	30
401430235	2012	1	20	4	V	2.0	0	1.45	23
401430235	2012	1	20	5	V	2.3	0	1.16	10
401430235	2012	1	20	6	V	2.0	0	1.82	11
401430235	2012	1	20	7	V	1.7	0	1.93	19
401430235	2012	1	20	8	V	2.4	0	3.37	22
401430235	2012	1	20	9	V	2.1	0	3.13	27
401430235	2012	1	20	10	V	3.1	0	2.76	21
401430235	2012	1	20	11	V	3.8	0	1.6	354
401430235	2012	1	20	12	V	6.3	1	1.93	30
401430235	2012	1	20	13	V	14.1	0	1.96	333
401430235	2012	1	20	14	V	8.2	0	1.69	295
401430235	2012	1	20	15	V	6.4	0	2.62	299
401430235	2012	1	20	16	V	9.2	0	3.32	306
401430235	2012	1	20	17	V	14.9	0	3.29	329
401430235	2012	1	20	18	V	6.4	0	3.35	341
401430235	2012	1	20	19	V	2.9	0	4.56	3
401430235	2012	1	20	20	V	2.4	0	5.38	1
401430235	2012	1	20	21	V	2.6	0	5.65	2
401430235	2012	1	20	22	V	2.7	0	5.73	4
401430235	2012	1	20	23	V	3.7	0	5.97	3
401430235	2012	1	20	24	V	3.2	0	6.21	5
401430235	2012	1	21	1	V	2.3	0	5.75	5
401430235	2012	1	21	2	V	2.4	0	5.29	8
401430235	2012	1	21	3	V	1.9	0	4.68	9
401430235	2012	1	21	4	V	1.9	0	4.54	5
401430235	2012	1	21	5	V	2.1	0	4.54	360
401430235	2012	1	21	6	V	2.0	0	4.83	8
401430235	2012	1	21	7	V	1.6	0	3.3	15
401430235	2012	1	21	8	V	2.4	0	4.24	3
401430235	2012	1	21	9	V	2.0	0	4.8	17
401430235	2012	1	21	10	V	3.0	0	4.27	19
401430235	2012	1	21	11	V	2.9	1	3.37	17
401430235	2012	1	21	12	V	5.6	2	2.49	21
401430235	2012	1	21	13	V	7.7	2	1.65	35
401430235	2012	1	21	14	V	3.7	2	1.77	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	21	15	V	2.2	3	2.04	17
401430235	2012	1	21	16	V	3.3	1	2.27	73
401430235	2012	1	21	17	V	3.3	0	2.44	125
401430235	2012	1	21	18	V	4.3	0	2.88	150
401430235	2012	1	21	19	V	2.9	0	2.22	164
401430235	2012	1	21	20	V	2.4	0	2.18	148
401430235	2012	1	21	21	V	2.7	1	2.74	158
401430235	2012	1	21	22	V	2.7	0	3.15	150
401430235	2012	1	21	23	V	3.7	0	4.83	161
401430235	2012	1	21	24	V	3.3	0	5.33	170
401430235	2012	1	22	1	V	2.4	0	5	172
401430235	2012	1	22	2	V	2.4	0	3.81	169
401430235	2012	1	22	3	V	1.9	0	4.93	163
401430235	2012	1	22	4	V	1.9	0	4.54	160
401430235	2012	1	22	5	V	2.1	0	5.58	162
401430235	2012	1	22	6	V	2.0	0	7.86	173
401430235	2012	1	22	7	V	1.7	0	8.2	175
401430235	2012	1	22	8	V	2.4	0	7.11	172
401430235	2012	1	22	9	V	2.0	0	6.72	170
401430235	2012	1	22	10	V	3.0	0	7.55	175
401430235	2012	1	22	11	V	2.9	0	7.79	178
401430235	2012	1	22	12	V	5.5	0	10.04	192
401430235	2012	1	22	13	V	6.4	0	9.95	191
401430235	2012	1	22	14	V	3.0	0	9.15	186
401430235	2012	1	22	15	V	2.1	0	8.27	189
401430235	2012	1	22	16	V	3.2	0	9.13	215
401430235	2012	1	22	17	V	3.3	0	9.32	218
401430235	2012	1	22	18	V	4.5	0	8.33	219
401430235	2012	1	22	19	V	3.0	0	5.38	237
401430235	2012	1	22	20	V	2.4	0	5.8	275
401430235	2012	1	22	21	V	2.7	0	6.7	277
401430235	2012	1	22	22	V	2.9	0	5.82	288
401430235	2012	1	22	23	V	8.7	0	5.75	300
401430235	2012	1	22	24	V	3.2	0	3.25	281
401430235	2012	1	23	1	V	2.4	0	2.13	285
401430235	2012	1	23	2	V	2.4	0	1.99	251
401430235	2012	1	23	3	V	2.1	0	2.2	290
401430235	2012	1	23	4	V	1.9	0	1.84	269
401430235	2012	1	23	5	V	2.2	0	1.6	239
401430235	2012	1	23	6	V	3.1	0	0.79	283
401430235	2012	1	23	7	V	1.7	0	1.52	265
401430235	2012	1	23	8	V	2.4	0	2.25	270
401430235	2012	1	23	9	V	2.1	0	1.96	276
401430235	2012	1	23	10	V	4.3	0	2.64	291
401430235	2012	1	23	11	V	8.4	0	2.47	300
401430235	2012	1	23	12	V	9.4	0	3.35	303

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	23	13	V	6.5	0	3.25	282
401430235	2012	1	23	14	V	3.2	0	2.64	279
401430235	2012	1	23	15	V	2.5	0	2.88	286
401430235	2012	1	23	16	V	3.3	0	2.54	262
401430235	2012	1	23	17	V	3.4	2	2.08	273
401430235	2012	1	23	18	V	4.8	2	0.75	261
401430235	2012	1	23	19	C	-999	0	0	0
401430235	2012	1	23	20	C	-999	1	0	0
401430235	2012	1	23	21	V	4.4	2	0.55	240
401430235	2012	1	23	22	V	4.1	2	0.62	276
401430235	2012	1	23	23	V	5.7	2	0.53	275
401430235	2012	1	23	24	C	-999	2	0	0
401430235	2012	1	24	1	C	-999	1	0	0
401430235	2012	1	24	2	C	-999	2	0	0
401430235	2012	1	24	3	C	-999	2	0	0
401430235	2012	1	24	4	C	-999	2	0	0
401430235	2012	1	24	5	V	3.3	2	0.67	276
401430235	2012	1	24	6	C	-999	2	0	0
401430235	2012	1	24	7	V	2.7	2	0.69	265
401430235	2012	1	24	8	V	2.6	1	1.18	229
401430235	2012	1	24	9	V	3.8	0	0.63	182
401430235	2012	1	24	10	V	3.4	0	1.89	138
401430235	2012	1	24	11	V	2.9	0	4.05	135
401430235	2012	1	24	12	V	5.4	0	4.97	141
401430235	2012	1	24	13	V	6.2	0	6.01	145
401430235	2012	1	24	14	V	2.8	0	5.51	133
401430235	2012	1	24	15	V	1.8	0	5.48	130
401430235	2012	1	24	16	V	3.1	0	5.9	119
401430235	2012	1	24	17	V	3.3	0	4.17	135
401430235	2012	1	24	18	V	4.4	4	2.96	117
401430235	2012	1	24	19	V	3.0	3	2.83	108
401430235	2012	1	24	20	V	2.4	0	3.49	107
401430235	2012	1	24	21	V	2.6	0	2.95	139
401430235	2012	1	24	22	V	2.7	1	4.88	163
401430235	2012	1	24	23	V	3.8	0	3.81	158
401430235	2012	1	24	24	V	3.2	0	2.57	131
401430235	2012	1	25	1	V	2.4	0	2.95	82
401430235	2012	1	25	2	V	2.4	0	1.79	65
401430235	2012	1	25	3	V	3.5	0	2.35	37
401430235	2012	1	25	4	V	4.1	0	2.74	43
401430235	2012	1	25	5	V	4.6	0	3.12	40
401430235	2012	1	25	6	V	3.6	0	5.12	39
401430235	2012	1	25	7	V	1.9	0	5.14	33
401430235	2012	1	25	8	V	5.0	0	3.01	41
401430235	2012	1	25	9	V	4.3	0	2.76	39
401430235	2012	1	25	10	V	3.0	0	3.05	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	25	11	V	4.3	-999	3.15	35
401430235	2012	1	25	12	V	5.4	-999	2.66	14
401430235	2012	1	25	13	V	6.2	-999	3.69	2
401430235	2012	1	25	14	V	2.9	-999	4.27	6
401430235	2012	1	25	15	V	1.8	-999	4.88	23
401430235	2012	1	25	16	V	3.2	-999	3.68	24
401430235	2012	1	25	17	V	3.5	-999	3.05	28
401430235	2012	1	25	18	V	4.4	0	3.93	11
401430235	2012	1	25	19	V	2.9	0	3.68	14
401430235	2012	1	25	20	V	2.4	0	3.44	18
401430235	2012	1	25	21	V	2.6	0	3.66	16
401430235	2012	1	25	22	V	2.7	0	3.92	19
401430235	2012	1	25	23	V	3.7	0	3.56	27
401430235	2012	1	25	24	V	3.2	0	2.2	6
401430235	2012	1	26	1	V	2.4	0	1.77	3
401430235	2012	1	26	2	V	2.4	0	3.35	356
401430235	2012	1	26	3	V	1.9	0	3.37	4
401430235	2012	1	26	4	V	2.1	0	3.03	348
401430235	2012	1	26	5	V	2.1	0	3.18	13
401430235	2012	1	26	6	V	2.0	0	3.64	8
401430235	2012	1	26	7	V	1.7	0	3.12	11
401430235	2012	1	26	8	V	2.4	0	3	1
401430235	2012	1	26	9	V	2.1	0	3.29	354
401430235	2012	1	26	10	V	3.0	0	4.12	4
401430235	2012	1	26	11	V	2.9	0	5.09	355
401430235	2012	1	26	12	V	5.5	0	4.39	352
401430235	2012	1	26	13	V	6.2	0	5.38	8
401430235	2012	1	26	14	V	2.8	0	6.13	11
401430235	2012	1	26	15	V	1.9	0	5.89	354
401430235	2012	1	26	16	V	5.1	5	5.53	337
401430235	2012	1	26	17	V	4.8	2	4.7	339
401430235	2012	1	26	18	V	7.8	3	4.14	336
401430235	2012	1	26	19	V	5.4	0	2.16	338
401430235	2012	1	26	20	V	11.5	2	1.37	303
401430235	2012	1	26	21	V	3.7	1	0.7	275
401430235	2012	1	26	22	V	3.1	0	0.94	241
401430235	2012	1	26	23	V	4.9	0	0.74	206
401430235	2012	1	26	24	V	3.8	0	0.86	242
401430235	2012	1	27	1	V	3.9	0	0.58	9
401430235	2012	1	27	2	V	3.2	0	0.75	228
401430235	2012	1	27	3	V	4.0	1	0.57	182
401430235	2012	1	27	4	V	3.4	1	0.6	253
401430235	2012	1	27	5	V	4.1	1	0.52	251
401430235	2012	1	27	6	V	3.5	0	0.72	184
401430235	2012	1	27	7	C	-999	0	0	0
401430235	2012	1	27	8	V	2.7	1	1.01	229

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	27	9	V	2.1	0	1.72	155
401430235	2012	1	27	10	V	3.0	0	3.63	165
401430235	2012	1	27	11	V	2.9	0	4.14	164
401430235	2012	1	27	12	V	5.4	0	5.84	162
401430235	2012	1	27	13	V	6.2	0	7.28	170
401430235	2012	1	27	14	V	2.9	0	6.41	166
401430235	2012	1	27	15	V	2.0	0	6.35	185
401430235	2012	1	27	16	V	3.4	0	6.26	193
401430235	2012	1	27	17	V	3.4	0	4.05	212
401430235	2012	1	27	18	V	4.4	0	3.42	276
401430235	2012	1	27	19	V	9.2	3	4.05	302
401430235	2012	1	27	20	V	13.2	4	5.63	329
401430235	2012	1	27	21	V	7.0	3	6.28	336
401430235	2012	1	27	22	V	3.3	0	6.06	345
401430235	2012	1	27	23	V	3.7	0	5.09	354
401430235	2012	1	27	24	V	3.6	0	4.2	345
401430235	2012	1	28	1	V	2.8	0	4.97	345
401430235	2012	1	28	2	V	2.4	-999	4.87	353
401430235	2012	1	28	3	V	1.9	0	3.98	358
401430235	2012	1	28	4	V	1.9	-999	2.78	354
401430235	2012	1	28	5	V	38.1	-999	1.35	314
401430235	2012	1	28	6	V	3.2	0	1.35	294
401430235	2012	1	28	7	V	1.8	0	1.31	277
401430235	2012	1	28	8	V	2.7	0	1.04	252
401430235	2012	1	28	9	V	25.5	0	0.97	308
401430235	2012	1	28	10	V	17.1	0	1.94	321
401430235	2012	1	28	11	V	9.2	0	1.82	330
401430235	2012	1	28	12	V	9.3	0	2.54	311
401430235	2012	1	28	13	V	8.2	0	2.38	296
401430235	2012	1	28	14	V	2.9	0	2.98	236
401430235	2012	1	28	15	V	1.9	0	2.93	251
401430235	2012	1	28	16	V	3.2	0	2.98	256
401430235	2012	1	28	17	V	3.4	-999	2.64	256
401430235	2012	1	28	18	V	4.4	0	1.67	258
401430235	2012	1	28	19	V	3.4	0	0.89	246
401430235	2012	1	28	20	C	-999	0	0	0
401430235	2012	1	28	21	V	4.2	0	0.6	256
401430235	2012	1	28	22	V	3.7	0	0.74	221
401430235	2012	1	28	23	V	4.9	0	0.67	231
401430235	2012	1	28	24	V	4.5	0	0.74	201
401430235	2012	1	29	1	V	3.1	0	0.87	206
401430235	2012	1	29	2	C	-999	0	0	0
401430235	2012	1	29	3	V	3.2	0	0.77	186
401430235	2012	1	29	4	V	2.3	0	1.16	201
401430235	2012	1	29	5	V	4.3	0	0.53	203
401430235	2012	1	29	6	V	3.4	0	0.63	233

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	29	7	V	2.6	-999	0.75	162
401430235	2012	1	29	8	C	-999	-999	0	0
401430235	2012	1	29	9	V	2.3	-999	1.65	201
401430235	2012	1	29	10	V	3.1	-999	4.39	213
401430235	2012	1	29	11	V	2.9	0	5.56	214
401430235	2012	1	29	12	V	5.4	0	6.36	214
401430235	2012	1	29	13	V	6.2	0	5.7	219
401430235	2012	1	29	14	V	2.9	0	5.14	213
401430235	2012	1	29	15	V	1.9	0	5.48	220
401430235	2012	1	29	16	V	3.2	0	5.48	211
401430235	2012	1	29	17	V	3.4	0	4.75	210
401430235	2012	1	29	18	V	4.4	0	3.1	202
401430235	2012	1	29	19	V	3.4	0	1.4	192
401430235	2012	1	29	20	V	2.8	0	1.26	199
401430235	2012	1	29	21	V	2.8	0	1.7	199
401430235	2012	1	29	22	V	2.8	0	2.35	193
401430235	2012	1	29	23	V	4.1	0	1.62	196
401430235	2012	1	29	24	V	3.4	0	1.45	203
401430235	2012	1	30	1	V	2.5	0	1.86	197
401430235	2012	1	30	2	V	2.5	0	1.93	181
401430235	2012	1	30	3	V	2.0	0	2.35	187
401430235	2012	1	30	4	V	2.0	0	2.01	184
401430235	2012	1	30	5	V	2.1	0	2.35	205
401430235	2012	1	30	6	V	2.0	0	2.35	200
401430235	2012	1	30	7	V	1.7	0	2.62	193
401430235	2012	1	30	8	V	2.6	0	2.1	188
401430235	2012	1	30	9	V	2.1	0	4.03	191
401430235	2012	1	30	10	V	3.1	0	5.55	195
401430235	2012	1	30	11	V	3.0	0	6.04	190
401430235	2012	1	30	12	V	5.6	0	6.58	191
401430235	2012	1	30	13	V	6.4	0	6.65	184
401430235	2012	1	30	14	V	3.0	0	7.88	192
401430235	2012	1	30	15	V	2.0	0	8.11	192
401430235	2012	1	30	16	V	3.3	0	7.55	186
401430235	2012	1	30	17	V	3.5	0	7.35	183
401430235	2012	1	30	18	V	4.4	0	6.91	183
401430235	2012	1	30	19	V	3.0	0	6.6	179
401430235	2012	1	30	20	V	2.4	0	6.09	176
401430235	2012	1	30	21	V	2.6	0	5.99	170
401430235	2012	1	30	22	V	2.7	0	6.06	181
401430235	2012	1	30	23	V	3.8	0	6.72	186
401430235	2012	1	30	24	V	3.4	0	6.65	189
401430235	2012	1	31	1	V	2.5	0	6.91	192
401430235	2012	1	31	2	V	2.5	0	6.41	189
401430235	2012	1	31	3	V	2.0	0	5.99	192
401430235	2012	1	31	4	V	2.0	0	6.21	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	1	31	5	V	2.2	0	5.44	189
401430235	2012	1	31	6	V	2.1	0	5.92	184
401430235	2012	1	31	7	V	1.7	0	5.6	177
401430235	2012	1	31	8	V	2.4	0	5.85	178
401430235	2012	1	31	9	V	2.1	0	6.58	183
401430235	2012	1	31	10	V	3.2	0	7.3	191
401430235	2012	1	31	11	V	3.0	0	7.69	198
401430235	2012	1	31	12	V	5.4	0	6.99	202
401430235	2012	1	31	13	V	6.2	0	6.65	210
401430235	2012	1	31	14	V	2.9	0	6.87	220
401430235	2012	1	31	15	V	1.9	0	5.99	223
401430235	2012	1	31	16	V	3.1	0	5.19	234
401430235	2012	1	31	17	V	3.4	0	3.68	235
401430235	2012	1	31	18	V	4.3	-999	2.27	244
401430235	2012	1	31	19	V	3.3	0	1.84	290
401430235	2012	1	31	20	V	39.9	0	1.23	315
401430235	2012	1	31	21	V	3.2	0	0.96	283
401430235	2012	1	31	22	V	4.1	0	0.63	240
401430235	2012	1	31	23	V	6.3	0	0.8	290
401430235	2012	1	31	24	V	4.7	0	0.62	225
401430235	2012	2	1	1	V	2.6	0	1.11	26
401430235	2012	2	1	2	V	2.4	0	2.78	14
401430235	2012	2	1	3	V	1.9	0	3.1	10
401430235	2012	2	1	4	V	1.9	0	3.05	11
401430235	2012	2	1	5	V	2.1	0	1.91	23
401430235	2012	2	1	6	V	2.0	-999	2.83	11
401430235	2012	2	1	7	V	1.6	0	2.78	5
401430235	2012	2	1	8	V	2.4	0	2.98	9
401430235	2012	2	1	9	V	2.0	-999	3.35	14
401430235	2012	2	1	10	V	3.0	0	3.46	20
401430235	2012	2	1	11	V	4.3	0	3.44	35
401430235	2012	2	1	12	V	7.2	0	3.59	38
401430235	2012	2	1	13	V	7.1	0	4.71	35
401430235	2012	2	1	14	V	3.4	0	3.88	32
401430235	2012	2	1	15	V	1.9	0	3.12	17
401430235	2012	2	1	16	V	3.2	1	3.17	2
401430235	2012	2	1	17	V	3.4	0	3.1	1
401430235	2012	2	1	18	V	4.3	0	2.57	7
401430235	2012	2	1	19	V	24.9	-999	1.16	330
401430235	2012	2	1	20	V	21.3	0	0.72	332
401430235	2012	2	1	21	V	5.4	0	1.14	342
401430235	2012	2	1	22	V	3.2	0	0.96	25
401430235	2012	2	1	23	V	4.1	0	1.06	17
401430235	2012	2	1	24	V	3.4	0	1.47	7
401430235	2012	2	2	1	V	2.5	0	1.42	13
401430235	2012	2	2	2	V	3.9	0	0.63	250

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	2	3	C	-999	1	0	0
401430235	2012	2	2	4	V	10.0	1	0.63	295
401430235	2012	2	2	5	C	-999	0	0	0
401430235	2012	2	2	6	V	3.2	0	0.84	351
401430235	2012	2	2	7	V	4.0	1	0.58	192
401430235	2012	2	2	8	C	-999	3	0	0
401430235	2012	2	2	9	V	3.0	2	0.94	34
401430235	2012	2	2	10	V	5.3	0	0.92	51
401430235	2012	2	2	11	V	2.9	0	3.73	124
401430235	2012	2	2	12	V	5.4	0	4.92	124
401430235	2012	2	2	13	V	6.2	0	4.32	126
401430235	2012	2	2	14	V	2.9	0	4.61	114
401430235	2012	2	2	15	V	1.9	0	4.44	140
401430235	2012	2	2	16	V	3.1	0	5.39	128
401430235	2012	2	2	17	V	3.3	0	5.46	121
401430235	2012	2	2	18	V	4.3	0	4.97	120
401430235	2012	2	2	19	V	2.9	0	4.42	117
401430235	2012	2	2	20	V	2.4	0	4.94	121
401430235	2012	2	2	21	V	2.6	0	5.1	125
401430235	2012	2	2	22	V	2.7	0	5.63	133
401430235	2012	2	2	23	V	3.7	0	6.67	134
401430235	2012	2	2	24	V	3.2	0	6.82	136
401430235	2012	2	3	1	V	2.3	0	6.23	141
401430235	2012	2	3	2	V	2.4	0	5.75	138
401430235	2012	2	3	3	V	1.9	0	6.67	137
401430235	2012	2	3	4	V	1.9	0	5.51	138
401430235	2012	2	3	5	V	2.1	0	5	146
401430235	2012	2	3	6	V	2.0	0	5.21	156
401430235	2012	2	3	7	V	1.7	0	5.58	153
401430235	2012	2	3	8	V	2.4	0	3.83	159
401430235	2012	2	3	9	V	2.0	0	4.94	149
401430235	2012	2	3	10	V	3.0	0	4.56	152
401430235	2012	2	3	11	V	2.8	-999	5.17	148
401430235	2012	2	3	12	V	5.4	-999	3.95	151
401430235	2012	2	3	13	V	6.2	0	4.63	150
401430235	2012	2	3	14	V	2.9	0	4.44	152
401430235	2012	2	3	15	V	2.0	-999	4.36	30
401430235	2012	2	3	16	V	3.1	-999	5.99	21
401430235	2012	2	3	17	V	3.3	0	5.22	18
401430235	2012	2	3	18	V	4.6	-999	5.1	48
401430235	2012	2	3	19	V	2.9	-999	4.75	70
401430235	2012	2	3	20	V	2.4	-999	2.66	79
401430235	2012	2	3	21	V	18.6	-999	0.96	333
401430235	2012	2	3	22	V	2.8	-999	1.4	279
401430235	2012	2	3	23	V	3.9	-999	2.61	285
401430235	2012	2	3	24	V	4.1	-999	1.94	299

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	4	1	V	2.5	-999	1.62	284
401430235	2012	2	4	2	V	3.2	-999	1.42	292
401430235	2012	2	4	3	V	1.9	-999	2.23	257
401430235	2012	2	4	4	V	1.9	-999	3.49	267
401430235	2012	2	4	5	V	2.1	-999	3.27	269
401430235	2012	2	4	6	V	2.0	-999	3.61	269
401430235	2012	2	4	7	V	1.7	-999	2.93	274
401430235	2012	2	4	8	V	2.4	-999	2.23	267
401430235	2012	2	4	9	V	2.1	-999	2.64	276
401430235	2012	2	4	10	V	3.1	-999	2.88	286
401430235	2012	2	4	11	V	3.1	-999	3.71	290
401430235	2012	2	4	12	V	6.1	-999	4.22	295
401430235	2012	2	4	13	V	9.6	-999	4.32	302
401430235	2012	2	4	14	V	3.8	-999	3.68	295
401430235	2012	2	4	15	V	4.2	0	3.47	299
401430235	2012	2	4	16	V	11.9	0	3.95	309
401430235	2012	2	4	17	V	15.3	0	3.76	314
401430235	2012	2	4	18	V	25.8	0	3.57	315
401430235	2012	2	4	19	V	18.3	0	4.1	324
401430235	2012	2	4	20	V	12.8	0	3.64	330
401430235	2012	2	4	21	V	6.6	0	4.27	337
401430235	2012	2	4	22	V	8.7	0	4.48	334
401430235	2012	2	4	23	V	12.8	0	3.97	330
401430235	2012	2	4	24	V	17.7	0	3.58	325
401430235	2012	2	5	1	V	13.9	0	3.97	328
401430235	2012	2	5	2	M	-999	0	3.36	999
401430235	2012	2	5	3	V	9.3	0	4.36	332
401430235	2012	2	5	4	M	-999	0	2.36	999
401430235	2012	2	5	5	V	13.8	-999	3.36	329
401430235	2012	2	5	6	V	15.3	-999	3.86	326
401430235	2012	2	5	7	V	7.5	-999	2.93	336
401430235	2012	2	5	8	V	7.4	-999	3.03	337
401430235	2012	2	5	9	V	5.3	-999	3.2	341
401430235	2012	2	5	10	V	3.3	-999	3.03	346
401430235	2012	2	5	11	V	3.0	-999	3.01	353
401430235	2012	2	5	12	V	5.4	-999	3.15	7
401430235	2012	2	5	13	V	6.2	-999	2.95	2
401430235	2012	2	5	14	V	3.4	-999	3.8	33
401430235	2012	2	5	15	V	2.1	-999	2.91	28
401430235	2012	2	5	16	V	3.2	-999	3.4	5
401430235	2012	2	5	17	V	3.4	-999	4.09	11
401430235	2012	2	5	18	V	4.3	-999	2.38	16
401430235	2012	2	5	19	V	33.2	-999	0.65	320
401430235	2012	2	5	20	V	4.4	-999	0.63	282
401430235	2012	2	5	21	C	-999	0	0	0
401430235	2012	2	5	22	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	5	23	C	-999	0	0	0
401430235	2012	2	5	24	V	5.2	0	0.6	200
401430235	2012	2	6	1	C	-999	0	0	0
401430235	2012	2	6	2	C	-999	-999	0	0
401430235	2012	2	6	3	V	4.0	-999	0.53	241
401430235	2012	2	6	4	V	2.8	-999	0.75	229
401430235	2012	2	6	5	C	-999	0	0	0
401430235	2012	2	6	6	V	4.2	0	0.53	237
401430235	2012	2	6	7	C	-999	0	0	0
401430235	2012	2	6	8	V	4.8	0	0.53	205
401430235	2012	2	6	9	V	3.7	0	0.63	135
401430235	2012	2	6	10	V	6.4	5	0.82	147
401430235	2012	2	6	11	V	4.6	4	1.03	156
401430235	2012	2	6	12	V	5.9	0	1.69	192
401430235	2012	2	6	13	V	6.6	3	1.71	150
401430235	2012	2	6	14	V	3.5	14	1.4	254
401430235	2012	2	6	15	V	2.4	7	1.47	181
401430235	2012	2	6	16	V	3.5	1	1.67	104
401430235	2012	2	6	17	V	3.5	0	1.86	101
401430235	2012	2	6	18	V	4.6	0	1.08	130
401430235	2012	2	6	19	V	5.5	0	0.52	196
401430235	2012	2	6	20	C	-999	-999	0	0
401430235	2012	2	6	21	C	-999	0	0	0
401430235	2012	2	6	22	C	-999	0	0	0
401430235	2012	2	6	23	V	5.3	0	0.63	278
401430235	2012	2	6	24	C	-999	0	0	0
401430235	2012	2	7	1	V	20.2	0	0.52	333
401430235	2012	2	7	2	V	3.3	0	0.75	271
401430235	2012	2	7	3	C	-999	0	0	0
401430235	2012	2	7	4	C	-999	0	0	0
401430235	2012	2	7	5	V	8.8	1	0.58	293
401430235	2012	2	7	6	V	3.4	0	0.7	41
401430235	2012	2	7	7	V	2.4	0	0.8	276
401430235	2012	2	7	8	V	2.8	0	0.97	3
401430235	2012	2	7	9	V	4.2	0	1.6	44
401430235	2012	2	7	10	V	3.3	0	1.71	18
401430235	2012	2	7	11	V	3.5	0	1.48	20
401430235	2012	2	7	12	V	6.3	0	1.79	30
401430235	2012	2	7	13	V	6.5	0	2.27	19
401430235	2012	2	7	14	V	2.9	0	2.69	16
401430235	2012	2	7	15	V	1.9	0	4.05	18
401430235	2012	2	7	16	V	3.1	-999	4.22	8
401430235	2012	2	7	17	V	3.3	-999	4.17	7
401430235	2012	2	7	18	V	5.1	-999	3.98	345
401430235	2012	2	7	19	V	3.4	-999	3.37	347
401430235	2012	2	7	20	V	2.5	-999	4.14	352

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	7	21	V	4.3	-999	3.73	342
401430235	2012	2	7	22	V	5.6	-999	3.27	340
401430235	2012	2	7	23	V	4.0	-999	3.97	348
401430235	2012	2	7	24	V	5.9	-999	2.81	340
401430235	2012	2	8	1	V	8.2	-999	3.01	336
401430235	2012	2	8	2	V	6.4	-999	2.74	338
401430235	2012	2	8	3	V	4.2	-999	3.2	341
401430235	2012	2	8	4	V	4.7	-999	3.27	340
401430235	2012	2	8	5	V	2.1	-999	3	6
401430235	2012	2	8	6	V	19.3	-999	1.64	327
401430235	2012	2	8	7	V	6.2	-999	1.69	337
401430235	2012	2	8	8	V	18.0	-999	1.91	328
401430235	2012	2	8	9	V	17.4	-999	1.93	330
401430235	2012	2	8	10	V	5.8	-999	1.79	339
401430235	2012	2	8	11	V	8.0	-999	1.82	334
401430235	2012	2	8	12	V	5.4	-999	2.32	3
401430235	2012	2	8	13	V	6.2	-999	2.56	16
401430235	2012	2	8	14	V	3.0	-999	2.08	10
401430235	2012	2	8	15	V	2.2	0	1.48	25
401430235	2012	2	8	16	V	4.1	0	0.7	220
401430235	2012	2	8	17	V	3.9	0	1.33	52
401430235	2012	2	8	18	V	7.5	0	1.43	42
401430235	2012	2	8	19	V	5.1	0	1.06	41
401430235	2012	2	8	20	V	31.7	0	0.62	310
401430235	2012	2	8	21	C	-999	0	0	0
401430235	2012	2	8	22	V	3.4	0	0.8	267
401430235	2012	2	8	23	V	6.5	0	0.72	288
401430235	2012	2	8	24	V	3.5	0	1.09	252
401430235	2012	2	9	1	V	3.2	0	0.75	259
401430235	2012	2	9	2	V	4.0	0	0.8	286
401430235	2012	2	9	3	C	-999	0	0	0
401430235	2012	2	9	4	V	2.9	0	0.8	281
401430235	2012	2	9	5	V	13.7	0	1.01	302
401430235	2012	2	9	6	V	2.8	0	0.8	18
401430235	2012	2	9	7	V	2.0	0	1.01	269
401430235	2012	2	9	8	V	3.8	0	0.65	264
401430235	2012	2	9	9	V	4.6	1	0.58	229
401430235	2012	2	9	10	V	3.4	0	1.82	196
401430235	2012	2	9	11	V	3.2	0	2.54	186
401430235	2012	2	9	12	V	5.6	0	3.15	183
401430235	2012	2	9	13	V	6.5	0	2.49	179
401430235	2012	2	9	14	V	3.2	0	2.33	172
401430235	2012	2	9	15	V	2.1	0	2.33	156
401430235	2012	2	9	16	V	3.2	0	2.83	166
401430235	2012	2	9	17	V	3.3	0	2.91	149
401430235	2012	2	9	18	V	4.4	0	2.73	133

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	9	19	V	2.9	0	2.04	114
401430235	2012	2	9	20	V	2.5	0	1.59	202
401430235	2012	2	9	21	V	35.9	0	0.75	312
401430235	2012	2	9	22	V	5.9	0	0.96	294
401430235	2012	2	9	23	V	6.4	0	0.55	284
401430235	2012	2	9	24	V	4.4	0	0.7	275
401430235	2012	2	10	1	V	4.8	0	1.13	295
401430235	2012	2	10	2	V	2.7	0	1.11	257
401430235	2012	2	10	3	V	2.4	0	0.97	223
401430235	2012	2	10	4	V	2.1	0	1.28	259
401430235	2012	2	10	5	V	2.2	0	1.93	286
401430235	2012	2	10	6	V	18.5	0	2.15	307
401430235	2012	2	10	7	V	1.9	0	2.28	290
401430235	2012	2	10	8	V	19.1	0	2.2	307
401430235	2012	2	10	9	V	26.1	0	3.06	318
401430235	2012	2	10	10	V	7.8	0	3.92	330
401430235	2012	2	10	11	V	6.5	0	3.34	335
401430235	2012	2	10	12	V	6.3	0	4.41	342
401430235	2012	2	10	13	V	6.6	0	4.46	344
401430235	2012	2	10	14	V	3.4	0	4.9	343
401430235	2012	2	10	15	V	5.8	1	5.19	333
401430235	2012	2	10	16	V	4.7	1	4.92	339
401430235	2012	2	10	17	V	4.6	8	4.66	340
401430235	2012	2	10	18	V	7.1	5	4.22	338
401430235	2012	2	10	19	V	8.9	12	3.78	334
401430235	2012	2	10	20	V	2.4	0	3.95	351
401430235	2012	2	10	21	V	2.6	0	5.22	357
401430235	2012	2	10	22	V	2.7	0	5.55	355
401430235	2012	2	10	23	V	3.7	0	6.41	5
401430235	2012	2	10	24	V	3.2	0	6.26	9
401430235	2012	2	11	1	V	2.3	0	6.48	16
401430235	2012	2	11	2	V	2.4	0	5.89	7
401430235	2012	2	11	3	V	1.9	0	5.84	3
401430235	2012	2	11	4	V	1.9	0	4.71	1
401430235	2012	2	11	5	V	2.1	0	5.65	10
401430235	2012	2	11	6	V	2.0	0	5.07	10
401430235	2012	2	11	7	V	1.7	0	4.77	356
401430235	2012	2	11	8	V	2.4	0	5.14	5
401430235	2012	2	11	9	V	2.0	0	5.53	9
401430235	2012	2	11	10	V	2.9	0	5.28	5
401430235	2012	2	11	11	V	2.9	0	4.77	12
401430235	2012	2	11	12	V	5.4	0	5.24	12
401430235	2012	2	11	13	V	6.2	0	5.16	20
401430235	2012	2	11	14	V	2.8	0	5.6	16
401430235	2012	2	11	15	V	1.8	0	6.16	23
401430235	2012	2	11	16	V	3.2	0	6.53	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	11	17	V	3.5	0	6.07	32
401430235	2012	2	11	18	V	4.3	0	4.9	26
401430235	2012	2	11	19	V	2.9	0	3.91	27
401430235	2012	2	11	20	V	2.4	0	2.91	24
401430235	2012	2	11	21	V	2.6	0	2.28	2
401430235	2012	2	11	22	V	30.2	0	0.97	325
401430235	2012	2	11	23	V	3.8	0	2.13	20
401430235	2012	2	11	24	V	3.3	0	2.1	22
401430235	2012	2	12	1	V	2.4	0	2.05	7
401430235	2012	2	12	2	V	2.5	0	1.69	2
401430235	2012	2	12	3	V	2.3	0	1.06	358
401430235	2012	2	12	4	V	1.9	0	1.96	21
401430235	2012	2	12	5	V	2.2	0	1.4	16
401430235	2012	2	12	6	V	4.8	0	1.99	38
401430235	2012	2	12	7	V	1.7	0	1.76	51
401430235	2012	2	12	8	V	2.5	0	1.71	54
401430235	2012	2	12	9	V	2.0	0	3.39	103
401430235	2012	2	12	10	V	3.0	0	3.95	124
401430235	2012	2	12	11	V	2.9	1	3.47	145
401430235	2012	2	12	12	V	5.4	0	3.71	155
401430235	2012	2	12	13	V	6.4	0	4.36	184
401430235	2012	2	12	14	V	3.0	0	3.54	175
401430235	2012	2	12	15	V	2.0	0	3.29	172
401430235	2012	2	12	16	V	3.2	0	3.78	169
401430235	2012	2	12	17	V	3.4	0	3.91	166
401430235	2012	2	12	18	V	4.4	0	2.96	166
401430235	2012	2	12	19	V	3.0	0	2.49	167
401430235	2012	2	12	20	V	2.4	0	2.16	161
401430235	2012	2	12	21	V	2.7	0	2.22	171
401430235	2012	2	12	22	V	2.9	0	2.2	193
401430235	2012	2	12	23	V	3.8	0	3.05	171
401430235	2012	2	12	24	V	3.3	0	6.62	179
401430235	2012	2	13	1	V	2.4	0	5.97	184
401430235	2012	2	13	2	V	2.4	0	5.09	178
401430235	2012	2	13	3	V	1.9	0	5.39	169
401430235	2012	2	13	4	V	1.9	0	5.43	168
401430235	2012	2	13	5	V	2.1	0	4.9	166
401430235	2012	2	13	6	V	2.0	0	5.36	166
401430235	2012	2	13	7	V	1.7	0	5.05	168
401430235	2012	2	13	8	V	2.4	0	5.61	170
401430235	2012	2	13	9	V	2.0	0	6.12	170
401430235	2012	2	13	10	V	3.0	0	6.72	174
401430235	2012	2	13	11	V	2.9	0	6.77	173
401430235	2012	2	13	12	V	5.4	0	6.31	177
401430235	2012	2	13	13	V	6.3	0	5.27	178
401430235	2012	2	13	14	V	3.1	0	5.56	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	13	15	V	2.1	0	6.11	186
401430235	2012	2	13	16	V	3.4	0	5.12	190
401430235	2012	2	13	17	V	3.6	0	4.41	192
401430235	2012	2	13	18	V	4.4	0	4.51	192
401430235	2012	2	13	19	V	3.1	0	3.49	192
401430235	2012	2	13	20	V	2.5	0	2.62	195
401430235	2012	2	13	21	V	2.8	0	2.49	187
401430235	2012	2	13	22	V	2.8	0	2.35	196
401430235	2012	2	13	23	V	4.0	0	2.28	210
401430235	2012	2	13	24	V	3.4	0	2.55	226
401430235	2012	2	14	1	V	2.8	0	2.59	218
401430235	2012	2	14	2	V	2.5	0	2.28	226
401430235	2012	2	14	3	V	2.0	0	1.33	266
401430235	2012	2	14	4	V	2.6	0	0.82	271
401430235	2012	2	14	5	V	22.5	0	0.67	331
401430235	2012	2	14	6	V	3.8	0	0.72	284
401430235	2012	2	14	7	V	2.2	0	1.4	190
401430235	2012	2	14	8	V	2.5	0	1.43	159
401430235	2012	2	14	9	V	2.2	0	1.86	154
401430235	2012	2	14	10	V	3.3	-999	2.37	180
401430235	2012	2	14	11	V	3.1	0	2.27	166
401430235	2012	2	14	12	V	5.6	0	2.27	159
401430235	2012	2	14	13	V	6.5	0	2.89	184
401430235	2012	2	14	14	V	3.1	0	2.89	161
401430235	2012	2	14	15	V	2.0	0	2.9	160
401430235	2012	2	14	16	V	3.2	0	3.51	133
401430235	2012	2	14	17	V	3.4	0	3.69	140
401430235	2012	2	14	18	V	4.4	0	3.37	158
401430235	2012	2	14	19	V	2.9	0	2.42	168
401430235	2012	2	14	20	V	2.4	0	1.84	142
401430235	2012	2	14	21	V	2.6	0	2.88	156
401430235	2012	2	14	22	V	2.7	0	3.25	169
401430235	2012	2	14	23	V	3.7	0	2.79	172
401430235	2012	2	14	24	V	3.3	0	3.61	182
401430235	2012	2	15	1	V	2.4	0	4.97	184
401430235	2012	2	15	2	V	2.5	0	3.41	203
401430235	2012	2	15	3	V	1.9	0	3.07	158
401430235	2012	2	15	4	V	1.9	0	2.42	149
401430235	2012	2	15	5	V	2.1	0	2.79	167
401430235	2012	2	15	6	V	2.0	0	2.55	169
401430235	2012	2	15	7	V	1.7	0	2.3	162
401430235	2012	2	15	8	V	2.5	0	1.5	157
401430235	2012	2	15	9	V	2.0	0	2.61	147
401430235	2012	2	15	10	V	3.0	-999	3.17	126
401430235	2012	2	15	11	V	3.0	-999	2.79	136
401430235	2012	2	15	12	V	5.5	0	3.13	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	15	13	V	6.2	0	4.97	169
401430235	2012	2	15	14	V	2.9	0	3.42	154
401430235	2012	2	15	15	V	1.9	0	3.85	165
401430235	2012	2	15	16	V	3.2	0	3.2	164
401430235	2012	2	15	17	V	3.4	0	2.61	158
401430235	2012	2	15	18	V	4.4	0	2.08	126
401430235	2012	2	15	19	V	3.0	0	2.18	153
401430235	2012	2	15	20	V	2.6	0	1.25	131
401430235	2012	2	15	21	V	2.8	0	1.42	351
401430235	2012	2	15	22	V	4.9	0	1.21	295
401430235	2012	2	15	23	V	3.9	0	1.4	270
401430235	2012	2	15	24	V	8.3	0	3.17	337
401430235	2012	2	16	1	V	22.3	0	2.59	323
401430235	2012	2	16	2	V	28.7	0	2.84	317
401430235	2012	2	16	3	V	17.5	0	2.67	327
401430235	2012	2	16	4	V	6.8	0	2.66	337
401430235	2012	2	16	5	V	2.4	0	2.89	347
401430235	2012	2	16	6	V	3.0	0	2.32	342
401430235	2012	2	16	7	V	2.3	0	2.52	344
401430235	2012	2	16	8	V	2.4	0	3.61	354
401430235	2012	2	16	9	V	2.0	0	3.98	10
401430235	2012	2	16	10	V	3.0	0	3.81	11
401430235	2012	2	16	11	V	2.9	0	3.42	7
401430235	2012	2	16	12	V	5.4	0	3.23	11
401430235	2012	2	16	13	V	7.6	0	4.61	38
401430235	2012	2	16	14	V	3.0	0	4.65	28
401430235	2012	2	16	15	V	3.3	1	3.63	39
401430235	2012	2	16	16	V	4.4	0	3.34	37
401430235	2012	2	16	17	V	4.3	0	2.52	34
401430235	2012	2	16	18	V	4.3	0	2.13	21
401430235	2012	2	16	19	V	3.0	0	1.84	1
401430235	2012	2	16	20	V	2.5	0	1.62	6
401430235	2012	2	16	21	V	38.1	0	0.86	316
401430235	2012	2	16	22	V	36.0	0	0.69	313
401430235	2012	2	16	23	V	3.8	0	1.76	359
401430235	2012	2	16	24	V	6.4	0	1.42	40
401430235	2012	2	17	1	V	2.9	0	0.99	352
401430235	2012	2	17	2	V	29.4	0	1.09	326
401430235	2012	2	17	3	V	3.0	0	0.75	359
401430235	2012	2	17	4	V	2.0	0	1.59	13
401430235	2012	2	17	5	V	2.3	0	1.2	13
401430235	2012	2	17	6	V	3.8	0	0.57	7
401430235	2012	2	17	7	V	3.9	0	0.52	237
401430235	2012	2	17	8	V	3.1	1	0.91	219
401430235	2012	2	17	9	V	2.8	1	0.79	237
401430235	2012	2	17	10	V	6.1	0	0.7	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	17	11	V	4.5	0	1.06	157
401430235	2012	2	17	12	V	6.4	0	1.33	121
401430235	2012	2	17	13	V	6.6	0	1.4	102
401430235	2012	2	17	14	V	3.0	0	2.04	147
401430235	2012	2	17	15	V	2.3	0	2.06	174
401430235	2012	2	17	16	V	3.2	0	2.78	132
401430235	2012	2	17	17	V	3.4	0	2.35	114
401430235	2012	2	17	18	V	4.4	0	2.1	103
401430235	2012	2	17	19	V	3.0	0	2.28	107
401430235	2012	2	17	20	V	3.1	0	0.7	56
401430235	2012	2	17	21	V	3.4	0	0.8	8
401430235	2012	2	17	22	V	3.8	0	0.75	357
401430235	2012	2	17	23	C	-999	0	0	0
401430235	2012	2	17	24	C	-999	0	0	0
401430235	2012	2	18	1	V	2.5	0	1.43	13
401430235	2012	2	18	2	V	2.4	0	1.81	17
401430235	2012	2	18	3	V	1.9	0	2.2	23
401430235	2012	2	18	4	V	1.9	0	1.91	12
401430235	2012	2	18	5	V	2.1	0	2.28	11
401430235	2012	2	18	6	V	2.0	0	2.64	8
401430235	2012	2	18	7	V	1.7	0	3.18	14
401430235	2012	2	18	8	V	2.4	0	3.8	11
401430235	2012	2	18	9	V	2.0	0	4.78	17
401430235	2012	2	18	10	V	2.9	0	5.8	16
401430235	2012	2	18	11	V	2.8	0	6.46	21
401430235	2012	2	18	12	V	5.3	0	5.82	23
401430235	2012	2	18	13	V	6.2	0	5.46	18
401430235	2012	2	18	14	V	2.8	0	4.77	6
401430235	2012	2	18	15	V	1.8	0	4.75	11
401430235	2012	2	18	16	V	3.1	0	4.8	11
401430235	2012	2	18	17	V	3.3	0	4.73	12
401430235	2012	2	18	18	V	4.4	0	4.02	2
401430235	2012	2	18	19	V	3.0	0	4.46	13
401430235	2012	2	18	20	V	2.4	0	4.87	12
401430235	2012	2	18	21	V	2.7	0	4.7	18
401430235	2012	2	18	22	V	2.7	0	4.15	30
401430235	2012	2	18	23	V	3.7	0	2.25	8
401430235	2012	2	18	24	V	3.7	0	2.2	343
401430235	2012	2	19	1	V	2.4	0	2.96	7
401430235	2012	2	19	2	V	2.5	0	2.64	32
401430235	2012	2	19	3	V	11.2	0	1.47	335
401430235	2012	2	19	4	V	30.9	0	1.09	324
401430235	2012	2	19	5	V	2.7	0	1.13	348
401430235	2012	2	19	6	V	16.8	0	0.63	300
401430235	2012	2	19	7	C	-999	0	0	0
401430235	2012	2	19	8	V	19.6	0	0.7	302

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	19	9	V	2.5	0	2.76	28
401430235	2012	2	19	10	V	4.4	0	2.38	45
401430235	2012	2	19	11	V	4.4	0	1.18	158
401430235	2012	2	19	12	V	6.9	0	1.21	193
401430235	2012	2	19	13	V	6.6	0	1.81	104
401430235	2012	2	19	14	V	3.1	0	2.33	116
401430235	2012	2	19	15	V	2.0	0	2.81	163
401430235	2012	2	19	16	V	3.3	0	2.55	140
401430235	2012	2	19	17	V	3.4	0	3.1	139
401430235	2012	2	19	18	V	4.3	0	3.39	121
401430235	2012	2	19	19	V	2.9	0	2.13	127
401430235	2012	2	19	20	V	2.5	0	1.74	152
401430235	2012	2	19	21	V	2.7	0	1.74	162
401430235	2012	2	19	22	V	3.0	0	1.16	163
401430235	2012	2	19	23	V	5.2	0	0.67	162
401430235	2012	2	19	24	V	3.3	0	1.52	150
401430235	2012	2	20	1	V	2.5	0	1.52	172
401430235	2012	2	20	2	V	3.0	0	1.33	187
401430235	2012	2	20	3	V	1.9	0	2.35	180
401430235	2012	2	20	4	V	2.0	0	1.99	169
401430235	2012	2	20	5	V	2.1	0	3.01	166
401430235	2012	2	20	6	V	2.0	0	4.02	166
401430235	2012	2	20	7	V	1.6	0	2.9	157
401430235	2012	2	20	8	V	2.4	0	3.83	156
401430235	2012	2	20	9	V	2.0	0	5.97	161
401430235	2012	2	20	10	V	3.0	0	8.62	167
401430235	2012	2	20	11	V	2.9	0	9.9	174
401430235	2012	2	20	12	V	5.4	0	9.88	178
401430235	2012	2	20	13	V	6.2	0	8.61	177
401430235	2012	2	20	14	V	3.0	0	9.27	180
401430235	2012	2	20	15	V	2.0	0	8.74	182
401430235	2012	2	20	16	V	3.3	0	8.9	180
401430235	2012	2	20	17	V	3.4	0	7.47	177
401430235	2012	2	20	18	V	4.5	0	6.69	191
401430235	2012	2	20	19	V	3.0	0	5.12	197
401430235	2012	2	20	20	V	2.4	0	6.07	248
401430235	2012	2	20	21	V	2.7	0	6.13	257
401430235	2012	2	20	22	V	2.7	0	4.78	255
401430235	2012	2	20	23	V	3.8	0	5	260
401430235	2012	2	20	24	V	3.2	0	4.8	253
401430235	2012	2	21	1	V	2.3	0	4.03	254
401430235	2012	2	21	2	V	2.4	0	3.05	252
401430235	2012	2	21	3	V	1.9	0	3.03	256
401430235	2012	2	21	4	V	1.9	0	2.16	246
401430235	2012	2	21	5	V	2.1	0	2.16	255
401430235	2012	2	21	6	V	2.0	0	2.08	254

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	21	7	V	2.8	0	0.8	178
401430235	2012	2	21	8	V	3.2	0	0.87	207
401430235	2012	2	21	9	V	2.3	0	1.86	231
401430235	2012	2	21	10	V	3.5	0	1.84	248
401430235	2012	2	21	11	V	3.1	0	3.29	218
401430235	2012	2	21	12	V	5.6	0	4.39	197
401430235	2012	2	21	13	V	6.4	0	5.22	181
401430235	2012	2	21	14	V	3.1	0	4.82	197
401430235	2012	2	21	15	V	2.0	0	5.46	203
401430235	2012	2	21	16	V	3.3	0	5.24	181
401430235	2012	2	21	17	V	3.6	0	4.36	188
401430235	2012	2	21	18	V	4.4	0	2.78	173
401430235	2012	2	21	19	V	3.2	0	1.06	125
401430235	2012	2	21	20	V	3.9	0	0.62	204
401430235	2012	2	21	21	V	2.8	0	1.94	200
401430235	2012	2	21	22	V	2.9	0	1.26	241
401430235	2012	2	21	23	V	4.7	0	0.75	248
401430235	2012	2	21	24	V	9.2	0	0.55	344
401430235	2012	2	22	1	V	5.0	1	0.55	284
401430235	2012	2	22	2	V	4.2	0	0.58	259
401430235	2012	2	22	3	V	3.2	2	0.67	261
401430235	2012	2	22	4	C	-999	2	0	0
401430235	2012	2	22	5	V	3.7	1	0.62	254
401430235	2012	2	22	6	V	4.2	2	0.52	271
401430235	2012	2	22	7	V	23.3	2	0.7	330
401430235	2012	2	22	8	C	-999	2	0	0
401430235	2012	2	22	9	V	6.1	3	0.63	201
401430235	2012	2	22	10	V	4.5	2	1.35	216
401430235	2012	2	22	11	V	3.7	3	1.88	229
401430235	2012	2	22	12	V	5.7	1	2.08	258
401430235	2012	2	22	13	V	6.4	1	2.32	265
401430235	2012	2	22	14	V	2.9	0	3.4	273
401430235	2012	2	22	15	V	2.0	0	2.91	261
401430235	2012	2	22	16	V	3.3	0	2.72	261
401430235	2012	2	22	17	V	3.4	0	2.91	268
401430235	2012	2	22	18	V	4.4	0	1.86	257
401430235	2012	2	22	19	V	3.6	0	0.72	228
401430235	2012	2	22	20	V	2.8	1	1.21	212
401430235	2012	2	22	21	V	2.7	0	2.91	199
401430235	2012	2	22	22	V	2.9	1	2.15	193
401430235	2012	2	22	23	V	3.9	1	2.47	193
401430235	2012	2	22	24	V	3.5	0	1.7	185
401430235	2012	2	23	1	V	2.4	0	1.93	164
401430235	2012	2	23	2	V	2.4	0	2.08	131
401430235	2012	2	23	3	V	1.9	0	1.84	142
401430235	2012	2	23	4	V	1.9	0	2.76	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	23	5	V	2.2	0	1.7	174
401430235	2012	2	23	6	V	2.5	0	1.2	180
401430235	2012	2	23	7	V	1.8	1	1.28	233
401430235	2012	2	23	8	V	3.7	3	0.67	118
401430235	2012	2	23	9	V	2.8	1	1.33	239
401430235	2012	2	23	10	V	3.2	1	2.52	272
401430235	2012	2	23	11	V	3.1	0	3.42	285
401430235	2012	2	23	12	V	5.6	0	4.78	288
401430235	2012	2	23	13	V	9.5	11	5.34	303
401430235	2012	2	23	14	V	7.6	12	5.84	307
401430235	2012	2	23	15	V	5.3	25	6.24	332
401430235	2012	2	23	16	V	8.7	12	6.18	325
401430235	2012	2	23	17	V	7.6	8	6.28	331
401430235	2012	2	23	18	V	11.3	14	6.14	334
401430235	2012	2	23	19	V	12.0	16	5.56	331
401430235	2012	2	23	20	V	8.0	7	5.17	335
401430235	2012	2	23	21	V	5.3	0	6.06	340
401430235	2012	2	23	22	V	5.4	0	6.04	340
401430235	2012	2	23	23	V	5.9	0	5.9	341
401430235	2012	2	23	24	V	5.5	1	6.09	340
401430235	2012	2	24	1	V	8.3	15	3.93	333
401430235	2012	2	24	2	V	11.3	24	3.92	330
401430235	2012	2	24	3	V	21.3	24	2.91	319
401430235	2012	2	24	4	V	18.3	18	3.59	322
401430235	2012	2	24	5	V	6.7	17	5	335
401430235	2012	2	24	6	V	11.9	19	4.24	328
401430235	2012	2	24	7	V	22.0	15	3.12	319
401430235	2012	2	24	8	V	16.2	18	2.66	325
401430235	2012	2	24	9	V	8.7	22	3.54	325
401430235	2012	2	24	10	V	12.4	23	3.85	314
401430235	2012	2	24	11	V	9.1	15	4.15	308
401430235	2012	2	24	12	V	12.0	6	4.75	319
401430235	2012	2	24	13	V	11.8	7	4.7	323
401430235	2012	2	24	14	V	8.6	4	5.02	322
401430235	2012	2	24	15	V	9.7	7	4.09	318
401430235	2012	2	24	16	V	8.8	9	3.64	310
401430235	2012	2	24	17	V	8.6	3	3.25	305
401430235	2012	2	24	18	V	4.5	4	3.37	284
401430235	2012	2	24	19	V	3.0	0	1.65	281
401430235	2012	2	24	20	V	2.7	0	1.13	242
401430235	2012	2	24	21	V	4.9	0	0.52	229
401430235	2012	2	24	22	V	4.3	0	0.62	228
401430235	2012	2	24	23	V	4.1	0	0.96	232
401430235	2012	2	24	24	V	3.8	0	0.86	262
401430235	2012	2	25	1	V	2.4	0	1.64	253
401430235	2012	2	25	2	V	2.5	0	1.6	261

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	25	3	V	2.6	0	0.96	176
401430235	2012	2	25	4	V	3.4	0	0.79	192
401430235	2012	2	25	5	V	3.8	0	0.6	268
401430235	2012	2	25	6	V	2.7	0	0.82	264
401430235	2012	2	25	7	V	2.0	0	0.99	268
401430235	2012	2	25	8	V	4.0	1	0.63	229
401430235	2012	2	25	9	V	5.3	1	0.67	106
401430235	2012	2	25	10	V	3.8	0	1.55	128
401430235	2012	2	25	11	V	3.0	2	2.71	137
401430235	2012	2	25	12	V	5.4	1	3.32	136
401430235	2012	2	25	13	V	6.3	0	4.14	160
401430235	2012	2	25	14	V	3.0	0	5.43	173
401430235	2012	2	25	15	V	2.0	0	6.02	196
401430235	2012	2	25	16	V	3.4	0	7.32	192
401430235	2012	2	25	17	V	3.6	0	7.74	191
401430235	2012	2	25	18	V	4.5	0	6.72	186
401430235	2012	2	25	19	V	3.0	0	6.24	176
401430235	2012	2	25	20	V	2.4	0	5.99	173
401430235	2012	2	25	21	V	2.6	0	5.58	169
401430235	2012	2	25	22	V	2.7	0	5.41	172
401430235	2012	2	25	23	V	3.8	0	5.61	176
401430235	2012	2	25	24	V	3.3	0	7.4	182
401430235	2012	2	26	1	V	2.4	0	5.26	189
401430235	2012	2	26	2	V	2.4	0	5.94	182
401430235	2012	2	26	3	V	2.0	0	6.4	184
401430235	2012	2	26	4	V	2.0	0	6.58	184
401430235	2012	2	26	5	V	2.2	0	6.48	183
401430235	2012	2	26	6	V	2.0	0	5.02	185
401430235	2012	2	26	7	V	1.7	0	5.84	186
401430235	2012	2	26	8	V	2.5	0	4.83	190
401430235	2012	2	26	9	V	2.2	0	6.4	186
401430235	2012	2	26	10	V	3.2	0	6.7	194
401430235	2012	2	26	11	V	3.1	0	7.08	193
401430235	2012	2	26	12	V	5.6	0	6.99	189
401430235	2012	2	26	13	V	6.4	0	6.99	185
401430235	2012	2	26	14	V	3.1	0	7.15	188
401430235	2012	2	26	15	V	2.0	0	7.4	184
401430235	2012	2	26	16	V	3.4	0	6.35	185
401430235	2012	2	26	17	V	3.6	0	5.97	192
401430235	2012	2	26	18	V	4.4	0	5.14	202
401430235	2012	2	26	19	V	2.9	0	2.54	205
401430235	2012	2	26	20	V	2.7	0	1.2	207
401430235	2012	2	26	21	V	3.3	1	1.11	217
401430235	2012	2	26	22	V	3.2	0	1.09	221
401430235	2012	2	26	23	V	3.9	0	1.38	276
401430235	2012	2	26	24	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	27	1	V	5.2	0	0.67	287
401430235	2012	2	27	2	V	2.4	0	3.12	5
401430235	2012	2	27	3	V	1.9	0	4.02	8
401430235	2012	2	27	4	V	1.9	0	3.9	9
401430235	2012	2	27	5	V	2.1	0	3.86	14
401430235	2012	2	27	6	V	2.0	0	3.9	20
401430235	2012	2	27	7	V	1.7	0	3.95	21
401430235	2012	2	27	8	V	2.4	0	3.51	15
401430235	2012	2	27	9	V	2.0	-999	5.05	23
401430235	2012	2	27	10	V	3.7	-999	6.35	36
401430235	2012	2	27	11	V	3.9	-999	7.04	42
401430235	2012	2	27	12	V	5.7	-999	6.04	48
401430235	2012	2	27	13	V	6.9	-999	6.07	43
401430235	2012	2	27	14	V	2.9	-999	5.12	63
401430235	2012	2	27	15	V	1.9	-999	4.49	59
401430235	2012	2	27	16	V	3.2	0	3.44	66
401430235	2012	2	27	17	V	3.4	0	3.76	57
401430235	2012	2	27	18	V	5.2	0	4.31	46
401430235	2012	2	27	19	V	4.1	0	3.61	44
401430235	2012	2	27	20	V	2.4	0	2.89	52
401430235	2012	2	27	21	V	3.4	0	3.71	36
401430235	2012	2	27	22	V	2.7	0	2.49	21
401430235	2012	2	27	23	V	3.8	0	1.94	10
401430235	2012	2	27	24	V	5.5	0	2.49	42
401430235	2012	2	28	1	V	2.4	0	1.84	79
401430235	2012	2	28	2	V	3.3	0	0.8	142
401430235	2012	2	28	3	V	3.9	0	0.55	242
401430235	2012	2	28	4	C	-999	0	0	0
401430235	2012	2	28	5	V	2.6	0	1.01	208
401430235	2012	2	28	6	V	2.1	0	1.43	150
401430235	2012	2	28	7	V	1.6	0	2.88	132
401430235	2012	2	28	8	V	2.4	0	4.24	130
401430235	2012	2	28	9	V	2.0	0	3.03	142
401430235	2012	2	28	10	V	3.0	0	4.6	139
401430235	2012	2	28	11	V	2.8	0	5.17	152
401430235	2012	2	28	12	V	5.4	0	5.56	163
401430235	2012	2	28	13	V	6.2	0	6.48	157
401430235	2012	2	28	14	V	2.9	0	7.35	168
401430235	2012	2	28	15	V	1.9	0	6.53	167
401430235	2012	2	28	16	V	3.2	0	6.69	168
401430235	2012	2	28	17	V	3.4	0	6.79	167
401430235	2012	2	28	18	V	4.4	0	4.99	170
401430235	2012	2	28	19	V	3.0	0	5.36	171
401430235	2012	2	28	20	V	2.5	0	7.06	179
401430235	2012	2	28	21	V	2.8	0	8.1	182
401430235	2012	2	28	22	V	2.9	0	8.67	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	2	28	23	V	4.0	0	9.85	196
401430235	2012	2	28	24	V	3.3	0	6.38	245
401430235	2012	2	29	1	V	2.4	0	3.63	250
401430235	2012	2	29	2	V	2.4	0	3.68	243
401430235	2012	2	29	3	V	1.9	0	3.08	241
401430235	2012	2	29	4	V	1.9	0	2.86	239
401430235	2012	2	29	5	V	2.1	0	2.47	239
401430235	2012	2	29	6	V	2.0	0	1.99	246
401430235	2012	2	29	7	V	2.1	0	0.92	246
401430235	2012	2	29	8	V	4.2	0	0.63	215
401430235	2012	2	29	9	V	2.6	1	2.62	287
401430235	2012	2	29	10	V	14.8	12	2.67	319
401430235	2012	2	29	11	V	8.6	14	3.73	328
401430235	2012	2	29	12	V	13.0	15	4.03	319
401430235	2012	2	29	13	V	7.8	14	3.42	294
401430235	2012	2	29	14	V	3.6	0	3.66	288
401430235	2012	2	29	15	V	3.5	0	2.93	292
401430235	2012	2	29	16	V	6.1	1	2.76	299
401430235	2012	2	29	17	V	6.7	1	2.93	299
401430235	2012	2	29	18	V	32.9	0	2.28	318
401430235	2012	2	29	19	V	36.3	0	0.92	312
401430235	2012	2	29	20	V	35.9	2	0.65	314
401430235	2012	2	29	21	V	4.4	2	0.6	226
401430235	2012	2	29	22	V	3.8	1	0.7	262
401430235	2012	2	29	23	V	4.1	1	1.76	193
401430235	2012	2	29	24	C	-999	1	0	0
401430235	2012	3	1	1	V	2.0	1	0.74	233
401430235	2012	3	1	2	V	2.1	1	0.72	207
401430235	2012	3	1	3	V	2.2	1	0.57	266
401430235	2012	3	1	4	V	1.0	0	0.84	234
401430235	2012	3	1	5	V	1.7	0	1.2	205
401430235	2012	3	1	6	V	0.8	0	1.59	211
401430235	2012	3	1	7	V	1.1	0	3.51	181
401430235	2012	3	1	8	V	4.0	0	3.66	181
401430235	2012	3	1	9	V	1.3	0	4.31	164
401430235	2012	3	1	10	V	2.6	0	6.06	183
401430235	2012	3	1	11	V	2.0	0	7.74	198
401430235	2012	3	1	12	V	2.4	0	8.64	189
401430235	2012	3	1	13	V	2.5	0	8.08	196
401430235	2012	3	1	14	V	2.5	0	8.06	192
401430235	2012	3	1	15	V	1.9	0	7.48	196
401430235	2012	3	1	16	V	2.0	0	6.38	223
401430235	2012	3	1	17	V	3.6	0	5.05	227
401430235	2012	3	1	18	V	4.0	0	6.02	218
401430235	2012	3	1	19	V	1.5	0	2.42	199
401430235	2012	3	1	20	V	3.4	0	0.6	80

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	1	21	V	3.1	0	0.99	177
401430235	2012	3	1	22	V	1.5	0	3.81	188
401430235	2012	3	1	23	V	1.1	0	4.97	183
401430235	2012	3	1	24	V	1.5	0	4.9	176
401430235	2012	3	2	1	V	1.4	0	5.85	187
401430235	2012	3	2	2	V	1.0	0	5.77	202
401430235	2012	3	2	3	V	0.5	0	1.76	233
401430235	2012	3	2	4	V	0.7	1	1.25	267
401430235	2012	3	2	5	V	1.5	1	3.29	283
401430235	2012	3	2	6	V	15.8	1	3.29	322
401430235	2012	3	2	7	V	3.8	1	2.69	302
401430235	2012	3	2	8	V	10.7	1	4.26	302
401430235	2012	3	2	9	V	9.0	5	5.1	317
401430235	2012	3	2	10	V	9.3	8	5.07	319
401430235	2012	3	2	11	V	7.0	13	5.04	325
401430235	2012	3	2	12	V	6.9	6	5.05	326
401430235	2012	3	2	13	V	4.0	6	5.97	337
401430235	2012	3	2	14	V	4.5	7	5.09	336
401430235	2012	3	2	15	V	1.8	2	4.97	353
401430235	2012	3	2	16	V	2.0	0	5.28	12
401430235	2012	3	2	17	V	3.6	0	5.63	21
401430235	2012	3	2	18	V	4.0	0	5.14	32
401430235	2012	3	2	19	V	3.5	0	4.54	42
401430235	2012	3	2	20	V	3.6	0	3	36
401430235	2012	3	2	21	V	2.9	0	1.21	26
401430235	2012	3	2	22	V	19.2	0	0.82	305
401430235	2012	3	2	23	V	1.7	0	0.82	270
401430235	2012	3	2	24	V	2.5	1	0.67	222
401430235	2012	3	3	1	V	2.0	1	0.77	257
401430235	2012	3	3	2	V	1.2	0	1.03	272
401430235	2012	3	3	3	V	16.9	0	1.08	305
401430235	2012	3	3	4	V	0.7	0	1.37	249
401430235	2012	3	3	5	V	26.5	0	0.65	310
401430235	2012	3	3	6	V	0.8	0	1.08	269
401430235	2012	3	3	7	V	34.4	0	1.11	315
401430235	2012	3	3	8	V	33.1	0	1.4	310
401430235	2012	3	3	9	V	1.3	0	3.3	5
401430235	2012	3	3	10	V	2.4	0	3.35	15
401430235	2012	3	3	11	V	2.2	0	3.08	351
401430235	2012	3	3	12	V	7.5	1	2.98	330
401430235	2012	3	3	13	V	6.7	3	4.19	306
401430235	2012	3	3	14	V	3.7	8	5.1	297
401430235	2012	3	3	15	V	5.1	11	5.09	304
401430235	2012	3	3	16	V	3.0	2	4.88	295
401430235	2012	3	3	17	V	4.5	3	4.41	294
401430235	2012	3	3	18	V	3.9	0	3.9	291

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	3	19	V	21.3	12	2.86	310
401430235	2012	3	3	20	V	7.3	7	1.94	302
401430235	2012	3	3	21	V	7.0	2	0.7	293
401430235	2012	3	3	22	V	29.8	1	1.21	320
401430235	2012	3	3	23	V	1.5	0	0.89	260
401430235	2012	3	3	24	C	-999	0	0	0
401430235	2012	3	4	1	C	-999	0	0	0
401430235	2012	3	4	2	V	1.8	0	0.92	196
401430235	2012	3	4	3	V	1.8	0	0.74	181
401430235	2012	3	4	4	V	1.0	0	1.14	220
401430235	2012	3	4	5	V	1.8	0	1.08	207
401430235	2012	3	4	6	V	0.6	0	1.37	237
401430235	2012	3	4	7	V	2.5	0	0.74	193
401430235	2012	3	4	8	V	4.5	0	1.77	216
401430235	2012	3	4	9	V	1.4	0	1.98	242
401430235	2012	3	4	10	V	2.4	0	4.1	241
401430235	2012	3	4	11	V	1.9	0	5.39	253
401430235	2012	3	4	12	V	2.2	0	4.99	264
401430235	2012	3	4	13	V	2.4	0	5	279
401430235	2012	3	4	14	V	3.1	0	5.16	295
401430235	2012	3	4	15	V	3.9	0	5.67	301
401430235	2012	3	4	16	V	2.9	0	5.34	296
401430235	2012	3	4	17	V	4.7	9	4.92	297
401430235	2012	3	4	18	V	7.3	8	3.47	297
401430235	2012	3	4	19	V	1.6	3	2.35	286
401430235	2012	3	4	20	V	3.0	1	1.77	259
401430235	2012	3	4	21	V	2.9	0	1.21	263
401430235	2012	3	4	22	V	9.2	0	0.52	341
401430235	2012	3	4	23	V	1.2	0	2.2	345
401430235	2012	3	4	24	V	1.5	0	3.27	11
401430235	2012	3	5	1	V	1.3	0	3.93	11
401430235	2012	3	5	2	V	0.9	0	4.8	23
401430235	2012	3	5	3	V	0.9	0	4.27	35
401430235	2012	3	5	4	V	0.6	0	1.91	29
401430235	2012	3	5	5	V	2.0	0	1.38	33
401430235	2012	3	5	6	V	0.6	0	1.57	29
401430235	2012	3	5	7	V	1.4	0	1.28	51
401430235	2012	3	5	8	V	4.4	0	2.33	47
401430235	2012	3	5	9	V	1.3	0	3.05	96
401430235	2012	3	5	10	V	2.4	0	4	128
401430235	2012	3	5	11	V	1.9	4	3.95	149
401430235	2012	3	5	12	V	2.2	2	4.26	135
401430235	2012	3	5	13	V	2.4	0	4.41	158
401430235	2012	3	5	14	V	2.4	0	5.58	168
401430235	2012	3	5	15	V	1.8	0	5.48	170
401430235	2012	3	5	16	V	2.2	0	6.64	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	5	17	V	3.9	0	6.8	188
401430235	2012	3	5	18	V	3.9	0	6.45	195
401430235	2012	3	5	19	V	1.6	0	4.7	186
401430235	2012	3	5	20	V	2.9	0	4.02	178
401430235	2012	3	5	21	V	2.8	0	4.17	183
401430235	2012	3	5	22	V	1.5	0	4.66	180
401430235	2012	3	5	23	V	1.2	0	5.33	185
401430235	2012	3	5	24	V	1.5	0	4.88	180
401430235	2012	3	6	1	V	1.4	0	5.05	178
401430235	2012	3	6	2	V	0.9	0	3.27	142
401430235	2012	3	6	3	V	0.5	0	6.23	182
401430235	2012	3	6	4	V	0.7	0	6.64	187
401430235	2012	3	6	5	V	1.5	0	5.67	185
401430235	2012	3	6	6	V	0.6	0	6.11	179
401430235	2012	3	6	7	V	1.2	0	6.89	183
401430235	2012	3	6	8	V	4.1	0	6.91	178
401430235	2012	3	6	9	V	1.3	0	7.45	176
401430235	2012	3	6	10	V	2.5	0	9.12	182
401430235	2012	3	6	11	V	2.1	0	9.7	185
401430235	2012	3	6	12	V	2.4	0	10.82	189
401430235	2012	3	6	13	V	2.5	0	12.09	184
401430235	2012	3	6	14	V	2.5	0	11.89	193
401430235	2012	3	6	15	V	1.9	0	11.74	191
401430235	2012	3	6	16	V	2.1	0	11.33	197
401430235	2012	3	6	17	V	3.8	0	10.19	184
401430235	2012	3	6	18	V	3.8	0	9.76	180
401430235	2012	3	6	19	V	1.7	0	9.39	179
401430235	2012	3	6	20	V	3.0	0	7.98	173
401430235	2012	3	6	21	V	2.8	0	8.16	178
401430235	2012	3	6	22	V	1.5	0	6.91	174
401430235	2012	3	6	23	V	1.1	0	6.09	173
401430235	2012	3	6	24	V	1.6	0	7.03	179
401430235	2012	3	7	1	V	1.5	0	8.13	181
401430235	2012	3	7	2	V	1.1	0	8.67	182
401430235	2012	3	7	3	V	0.6	0	8.95	183
401430235	2012	3	7	4	V	0.7	0	7.81	180
401430235	2012	3	7	5	V	1.5	0	7.6	171
401430235	2012	3	7	6	V	0.6	0	7.2	169
401430235	2012	3	7	7	V	1.1	0	7.37	171
401430235	2012	3	7	8	V	4.0	0	7.35	173
401430235	2012	3	7	9	M	-999	0	8.3	171
401430235	2012	3	7	10	M	-999	0	8.2	175
401430235	2012	3	7	11	M	-999	0	8.57	177
401430235	2012	3	7	12	M	-999	0	8.25	183
401430235	2012	3	7	13	M	-999	0	7.77	183
401430235	2012	3	7	14	M	-999	0	7.89	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	7	15	M	-999	0	8.39	185
401430235	2012	3	7	16	M	-999	0	7.96	184
401430235	2012	3	7	17	M	-999	0	8.54	181
401430235	2012	3	7	18	M	-999	0	7.65	185
401430235	2012	3	7	19	V	1.7	0	6.74	184
401430235	2012	3	7	20	V	3.1	0	6.99	186
401430235	2012	3	7	21	V	2.8	0	5.29	180
401430235	2012	3	7	22	V	1.5	0	4.48	169
401430235	2012	3	7	23	V	1.1	0	4.25	165
401430235	2012	3	7	24	V	1.5	0	3.18	161
401430235	2012	3	8	1	V	1.4	0	2.81	152
401430235	2012	3	8	2	V	1.2	0	0.89	98
401430235	2012	3	8	3	V	1.3	0	0.7	360
401430235	2012	3	8	4	V	0.6	0	2.57	356
401430235	2012	3	8	5	V	1.5	0	6.75	2
401430235	2012	3	8	6	V	0.6	0	7.65	6
401430235	2012	3	8	7	V	1.1	0	7.57	3
401430235	2012	3	8	8	V	4.0	0	8.28	10
401430235	2012	3	8	9	V	1.3	0	7.77	12
401430235	2012	3	8	10	V	2.4	0	7.76	15
401430235	2012	3	8	11	V	1.9	0	8.45	16
401430235	2012	3	8	12	V	2.2	0	6.55	17
401430235	2012	3	8	13	V	2.3	0	6.35	15
401430235	2012	3	8	14	V	2.3	0	6.23	22
401430235	2012	3	8	15	V	1.7	0	6.26	22
401430235	2012	3	8	16	V	2.0	0	6.07	22
401430235	2012	3	8	17	V	3.6	0	5.55	24
401430235	2012	3	8	18	V	3.7	0	4.49	9
401430235	2012	3	8	19	V	1.5	0	4.94	9
401430235	2012	3	8	20	V	2.9	0	3.57	10
401430235	2012	3	8	21	V	2.7	0	2.66	5
401430235	2012	3	8	22	V	1.4	0	3	11
401430235	2012	3	8	23	V	1.1	0	2.67	3
401430235	2012	3	8	24	V	1.5	0	2.62	353
401430235	2012	3	9	1	V	1.3	0	2.84	7
401430235	2012	3	9	2	V	0.9	0	3.9	14
401430235	2012	3	9	3	V	0.5	0	4.15	14
401430235	2012	3	9	4	V	0.6	0	3.76	22
401430235	2012	3	9	5	V	1.5	0	1.52	5
401430235	2012	3	9	6	V	0.6	0	1.76	7
401430235	2012	3	9	7	V	2.6	0	1.13	344
401430235	2012	3	9	8	V	4.0	0	1.82	354
401430235	2012	3	9	9	V	1.4	0	3.08	19
401430235	2012	3	9	10	V	2.5	0	3.27	21
401430235	2012	3	9	11	V	3.9	0	4.68	42
401430235	2012	3	9	12	V	3.4	0	5.04	45

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	9	13	V	2.6	0	4.53	51
401430235	2012	3	9	14	V	2.3	0	5.84	58
401430235	2012	3	9	15	V	1.7	0	5.29	56
401430235	2012	3	9	16	V	3.0	0	5.1	44
401430235	2012	3	9	17	V	4.0	0	4.71	48
401430235	2012	3	9	18	V	3.7	0	4.07	57
401430235	2012	3	9	19	V	1.7	0	2.61	48
401430235	2012	3	9	20	V	3.1	0	1.25	12
401430235	2012	3	9	21	V	2.9	0	1.21	10
401430235	2012	3	9	22	V	2.0	2	0.82	259
401430235	2012	3	9	23	V	2.7	1	0.57	273
401430235	2012	3	9	24	V	6.1	0	0.75	343
401430235	2012	3	10	1	V	14.1	0	0.74	301
401430235	2012	3	10	2	V	1.7	0	0.74	260
401430235	2012	3	10	3	C	-999	0	0	0
401430235	2012	3	10	4	C	-999	0	0	0
401430235	2012	3	10	5	C	-999	1	0	0
401430235	2012	3	10	6	C	-999	1	0	0
401430235	2012	3	10	7	C	-999	1	0	0
401430235	2012	3	10	8	C	-999	2	0	0
401430235	2012	3	10	9	V	2.6	0	0.96	163
401430235	2012	3	10	10	V	2.5	0	3.35	145
401430235	2012	3	10	11	V	1.9	0	4.44	140
401430235	2012	3	10	12	V	2.2	0	4.61	134
401430235	2012	3	10	13	V	2.4	0	4.39	132
401430235	2012	3	10	14	V	2.4	0	4.1	127
401430235	2012	3	10	15	V	1.7	0	4.07	129
401430235	2012	3	10	16	V	2.0	0	4.46	134
401430235	2012	3	10	17	V	3.6	0	4.73	127
401430235	2012	3	10	18	V	3.8	0	3.42	146
401430235	2012	3	10	19	V	1.6	0	2.83	134
401430235	2012	3	10	20	V	3.0	0	2.3	132
401430235	2012	3	10	21	V	2.8	0	2.84	136
401430235	2012	3	10	22	V	1.5	0	4.34	156
401430235	2012	3	10	23	V	1.1	0	4.97	165
401430235	2012	3	10	24	V	1.5	0	4.32	149
401430235	2012	3	11	1	V	1.3	0	3.95	148
401430235	2012	3	11	2	V	1.0	0	4.22	167
401430235	2012	3	11	3	V	0.5	0	3.47	142
401430235	2012	3	11	4	V	0.7	0	2.79	183
401430235	2012	3	11	5	V	1.8	0	1.11	212
401430235	2012	3	11	6	V	0.6	0	2.73	123
401430235	2012	3	11	7	V	1.1	0	3.64	121
401430235	2012	3	11	8	V	4.0	0	3.95	122
401430235	2012	3	11	9	V	1.3	0	4.17	137
401430235	2012	3	11	10	V	2.5	0	2.98	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	11	11	V	2.0	0	2.83	150
401430235	2012	3	11	12	V	2.2	0	3.32	144
401430235	2012	3	11	13	V	2.5	0	3.81	177
401430235	2012	3	11	14	V	2.4	0	3.83	172
401430235	2012	3	11	15	V	1.9	0	4.02	195
401430235	2012	3	11	16	V	2.1	0	3.52	211
401430235	2012	3	11	17	V	3.8	0	3.57	184
401430235	2012	3	11	18	V	3.8	0	4.46	179
401430235	2012	3	11	19	V	1.5	0	2.98	176
401430235	2012	3	11	20	V	2.9	0	2.3	163
401430235	2012	3	11	21	V	2.7	0	3.03	170
401430235	2012	3	11	22	V	1.4	0	3.97	168
401430235	2012	3	11	23	V	1.1	0	4.43	172
401430235	2012	3	11	24	V	1.5	0	3.63	167
401430235	2012	3	12	1	V	1.3	0	3.27	164
401430235	2012	3	12	2	V	0.9	0	2.38	152
401430235	2012	3	12	3	V	0.5	0	2.98	161
401430235	2012	3	12	4	V	0.6	0	3.63	169
401430235	2012	3	12	5	V	1.4	0	3.8	174
401430235	2012	3	12	6	V	0.5	0	3.86	171
401430235	2012	3	12	7	V	1.1	0	3.88	169
401430235	2012	3	12	8	V	4.0	0	5.07	182
401430235	2012	3	12	9	V	1.5	0	5.87	189
401430235	2012	3	12	10	V	2.6	0	6.28	194
401430235	2012	3	12	11	V	2.1	0	5.77	193
401430235	2012	3	12	12	V	2.4	0	5.26	186
401430235	2012	3	12	13	V	2.5	0	5.43	184
401430235	2012	3	12	14	V	2.5	0	4.82	179
401430235	2012	3	12	15	V	1.9	0	4.85	185
401430235	2012	3	12	16	V	2.3	0	4.83	190
401430235	2012	3	12	17	V	3.9	0	4.34	190
401430235	2012	3	12	18	V	3.9	0	3.9	186
401430235	2012	3	12	19	V	1.7	0	2.04	195
401430235	2012	3	12	20	V	3.4	0	1.06	199
401430235	2012	3	12	21	V	2.8	0	2.01	201
401430235	2012	3	12	22	V	1.5	0	2.42	198
401430235	2012	3	12	23	V	1.3	0	1.3	210
401430235	2012	3	12	24	V	2.4	0	0.79	204
401430235	2012	3	13	1	C	-999	0	0	0
401430235	2012	3	13	2	C	-999	0	0	0
401430235	2012	3	13	3	C	-999	0	0	0
401430235	2012	3	13	4	V	1.8	0	0.77	196
401430235	2012	3	13	5	V	2.8	0	0.67	209
401430235	2012	3	13	6	V	1.2	0	0.82	156
401430235	2012	3	13	7	V	1.4	0	1.13	163
401430235	2012	3	13	8	V	4.1	0	2.45	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	13	9	V	1.4	0	3.1	172
401430235	2012	3	13	10	V	2.6	0	5.5	185
401430235	2012	3	13	11	V	2.1	0	5.43	184
401430235	2012	3	13	12	V	2.4	0	5.99	185
401430235	2012	3	13	13	V	2.5	0	6.72	191
401430235	2012	3	13	14	V	2.6	0	6.52	189
401430235	2012	3	13	15	V	1.9	0	6.67	187
401430235	2012	3	13	16	V	2.2	0	7.23	190
401430235	2012	3	13	17	V	3.9	0	6.45	189
401430235	2012	3	13	18	V	3.8	0	6.47	174
401430235	2012	3	13	19	V	1.6	0	5.8	171
401430235	2012	3	13	20	V	3.0	0	5.41	173
401430235	2012	3	13	21	V	2.7	0	3.85	174
401430235	2012	3	13	22	V	1.4	0	3.35	164
401430235	2012	3	13	23	V	1.1	0	3.2	162
401430235	2012	3	13	24	V	1.5	0	3.07	164
401430235	2012	3	14	1	V	1.3	0	2.67	164
401430235	2012	3	14	2	V	0.9	0	2.66	163
401430235	2012	3	14	3	V	0.5	0	1.74	158
401430235	2012	3	14	4	V	2.6	0	0.58	188
401430235	2012	3	14	5	V	1.7	0	1.16	163
401430235	2012	3	14	6	V	0.6	0	4.19	189
401430235	2012	3	14	7	V	1.2	0	4.17	189
401430235	2012	3	14	8	V	4.1	0	5.24	192
401430235	2012	3	14	9	V	1.5	0	5.51	188
401430235	2012	3	14	10	V	2.6	0	6.55	193
401430235	2012	3	14	11	V	2.0	0	6.86	197
401430235	2012	3	14	12	V	2.4	0	7.49	196
401430235	2012	3	14	13	V	2.5	0	7.21	193
401430235	2012	3	14	14	V	2.5	0	7.26	193
401430235	2012	3	14	15	V	1.9	0	7.11	190
401430235	2012	3	14	16	V	2.2	0	6.38	187
401430235	2012	3	14	17	V	3.9	0	5.84	193
401430235	2012	3	14	18	V	3.9	0	5.1	188
401430235	2012	3	14	19	V	1.6	0	4.46	188
401430235	2012	3	14	20	V	3.1	0	3.01	188
401430235	2012	3	14	21	V	2.9	0	3.27	188
401430235	2012	3	14	22	V	1.4	0	2.45	180
401430235	2012	3	14	23	V	1.1	0	2.37	170
401430235	2012	3	14	24	V	1.5	0	2.74	172
401430235	2012	3	15	1	V	1.4	0	2.18	166
401430235	2012	3	15	2	V	1.0	0	2.13	169
401430235	2012	3	15	3	V	0.6	0	1.54	176
401430235	2012	3	15	4	V	0.6	0	2.08	164
401430235	2012	3	15	5	V	1.5	0	2.73	166
401430235	2012	3	15	6	V	0.7	0	2.47	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	15	7	V	1.2	0	4.02	194
401430235	2012	3	15	8	V	4.2	0	4.31	190
401430235	2012	3	15	9	V	1.5	0	5.34	187
401430235	2012	3	15	10	V	2.6	0	7.28	195
401430235	2012	3	15	11	V	2.1	0	7.18	192
401430235	2012	3	15	12	V	2.4	0	7.04	183
401430235	2012	3	15	13	V	2.5	-999	6.07	183
401430235	2012	3	15	14	V	2.5	-999	6.31	185
401430235	2012	3	15	15	V	1.8	0	6.24	176
401430235	2012	3	15	16	V	2.1	0	6.96	176
401430235	2012	3	15	17	V	3.7	0	6.5	171
401430235	2012	3	15	18	V	3.9	0	6.6	186
401430235	2012	3	15	19	V	1.6	0	5.36	185
401430235	2012	3	15	20	V	3.0	0	3.97	186
401430235	2012	3	15	21	V	2.8	0	3.03	188
401430235	2012	3	15	22	V	1.8	0	1.43	185
401430235	2012	3	15	23	V	1.4	0	1.21	176
401430235	2012	3	15	24	V	2.2	0	1.08	196
401430235	2012	3	16	1	V	1.8	0	1.2	182
401430235	2012	3	16	2	V	1.7	0	0.84	209
401430235	2012	3	16	3	V	2.1	0	0.67	198
401430235	2012	3	16	4	V	1.5	0	0.86	184
401430235	2012	3	16	5	V	1.5	0	2.06	177
401430235	2012	3	16	6	V	0.5	0	2.84	175
401430235	2012	3	16	7	V	1.2	0	2.37	192
401430235	2012	3	16	8	V	4.2	0	3.46	194
401430235	2012	3	16	9	V	1.4	0	5.16	197
401430235	2012	3	16	10	V	2.6	0	5.95	195
401430235	2012	3	16	11	V	2.1	0	6.24	195
401430235	2012	3	16	12	V	2.4	0	5.94	192
401430235	2012	3	16	13	V	2.5	0	6.12	195
401430235	2012	3	16	14	V	2.5	0	6.92	198
401430235	2012	3	16	15	V	1.9	0	6.09	191
401430235	2012	3	16	16	V	2.1	0	5.38	179
401430235	2012	3	16	17	V	3.7	0	5.53	172
401430235	2012	3	16	18	V	3.8	0	5.14	174
401430235	2012	3	16	19	V	1.6	0	4.24	171
401430235	2012	3	16	20	V	3.0	0	3.75	166
401430235	2012	3	16	21	V	2.8	0	3.81	167
401430235	2012	3	16	22	V	1.4	0	4.48	168
401430235	2012	3	16	23	V	1.1	0	4.87	177
401430235	2012	3	16	24	V	1.5	0	4.54	168
401430235	2012	3	17	1	V	1.3	0	3.81	175
401430235	2012	3	17	2	V	0.9	0	4.17	170
401430235	2012	3	17	3	V	0.5	0	4.48	159
401430235	2012	3	17	4	V	0.6	0	4.32	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	17	5	V	1.8	0	4.49	215
401430235	2012	3	17	6	V	0.6	0	5.19	198
401430235	2012	3	17	7	V	1.2	0	4.02	193
401430235	2012	3	17	8	V	4.2	0	4.58	186
401430235	2012	3	17	9	V	1.5	0	6.53	187
401430235	2012	3	17	10	V	2.6	0	7.42	189
401430235	2012	3	17	11	V	2.1	0	6.57	193
401430235	2012	3	17	12	V	2.4	0	7.45	192
401430235	2012	3	17	13	V	2.5	0	7.62	186
401430235	2012	3	17	14	V	2.5	0	7.77	187
401430235	2012	3	17	15	V	1.9	0	7.89	190
401430235	2012	3	17	16	V	2.2	0	7.81	184
401430235	2012	3	17	17	V	3.8	0	6.58	183
401430235	2012	3	17	18	V	3.9	0	6.07	188
401430235	2012	3	17	19	V	1.6	0	4.65	183
401430235	2012	3	17	20	V	3.0	0	3.78	180
401430235	2012	3	17	21	V	2.7	0	3.54	164
401430235	2012	3	17	22	V	1.4	0	3.78	164
401430235	2012	3	17	23	V	1.1	0	3.83	168
401430235	2012	3	17	24	V	1.5	0	2.57	160
401430235	2012	3	18	1	V	1.3	0	2.23	143
401430235	2012	3	18	2	V	0.9	0	2.95	162
401430235	2012	3	18	3	V	0.5	0	4.2	163
401430235	2012	3	18	4	V	0.6	0	3.49	163
401430235	2012	3	18	5	V	1.4	0	3.78	166
401430235	2012	3	18	6	V	0.5	0	4.39	166
401430235	2012	3	18	7	V	1.1	0	5.05	166
401430235	2012	3	18	8	V	4.0	0	5.68	172
401430235	2012	3	18	9	V	1.3	0	6.09	175
401430235	2012	3	18	10	V	2.5	0	7.37	178
401430235	2012	3	18	11	V	2.0	0	6.47	177
401430235	2012	3	18	12	V	2.3	0	7.26	179
401430235	2012	3	18	13	V	2.4	0	8.56	179
401430235	2012	3	18	14	V	2.4	0	8.13	178
401430235	2012	3	18	15	V	1.7	0	5.97	169
401430235	2012	3	18	16	V	2.0	0	6.26	170
401430235	2012	3	18	17	V	3.7	0	7.5	174
401430235	2012	3	18	18	V	3.7	0	7.08	170
401430235	2012	3	18	19	V	1.6	0	6.41	169
401430235	2012	3	18	20	V	3.0	0	6.18	173
401430235	2012	3	18	21	V	2.8	0	5.16	171
401430235	2012	3	18	22	V	1.4	0	4.93	169
401430235	2012	3	18	23	V	1.1	0	3.97	164
401430235	2012	3	18	24	V	1.5	0	3.54	175
401430235	2012	3	19	1	V	1.3	0	4.05	170
401430235	2012	3	19	2	V	0.9	0	4.24	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	19	3	V	0.5	0	5.21	170
401430235	2012	3	19	4	V	0.6	0	5.9	171
401430235	2012	3	19	5	V	1.5	0	5.79	169
401430235	2012	3	19	6	V	0.6	0	5.53	163
401430235	2012	3	19	7	V	1.1	0	5.07	163
401430235	2012	3	19	8	V	4.0	0	4.54	163
401430235	2012	3	19	9	V	1.3	0	5.8	159
401430235	2012	3	19	10	V	2.4	0	5.19	156
401430235	2012	3	19	11	V	1.9	0	5.33	236
401430235	2012	3	19	12	V	3.0	0	1.47	47
401430235	2012	3	19	13	V	2.6	0	1.48	22
401430235	2012	3	19	14	V	2.4	0	2.86	16
401430235	2012	3	19	15	V	1.8	0	2.79	20
401430235	2012	3	19	16	V	2.3	0	3.29	50
401430235	2012	3	19	17	V	5.0	0	3	41
401430235	2012	3	19	18	V	3.7	0	3.17	55
401430235	2012	3	19	19	V	1.5	0	2.05	54
401430235	2012	3	19	20	V	2.9	0	2.16	139
401430235	2012	3	19	21	V	2.8	0	2.59	95
401430235	2012	3	19	22	V	1.5	0	3.68	116
401430235	2012	3	19	23	V	1.1	0	4.14	156
401430235	2012	3	19	24	V	1.5	0	3.93	132
401430235	2012	3	20	1	V	1.3	0	4.43	122
401430235	2012	3	20	2	V	1.0	0	3.68	140
401430235	2012	3	20	3	V	0.5	0	3.3	135
401430235	2012	3	20	4	V	0.6	0	2.61	116
401430235	2012	3	20	5	V	1.6	0	1.26	175
401430235	2012	3	20	6	V	0.6	0	2.16	165
401430235	2012	3	20	7	V	1.1	0	2.25	117
401430235	2012	3	20	8	V	4.9	0	0.86	194
401430235	2012	3	20	9	V	2.1	0	1.25	221
401430235	2012	3	20	10	V	3.8	0	1.08	223
401430235	2012	3	20	11	V	2.3	0	2.11	212
401430235	2012	3	20	12	V	2.3	0	2.25	165
401430235	2012	3	20	13	V	2.6	0	1.76	228
401430235	2012	3	20	14	V	2.7	0	1.4	171
401430235	2012	3	20	15	V	1.9	0	1.65	119
401430235	2012	3	20	16	V	2.2	0	1.45	125
401430235	2012	3	20	17	V	3.9	0	1.04	246
401430235	2012	3	20	18	V	3.7	0	1.57	205
401430235	2012	3	20	19	V	4.0	0	1.06	342
401430235	2012	3	20	20	V	4.3	0	0.63	46
401430235	2012	3	20	21	V	3.0	0	1.01	7
401430235	2012	3	20	22	V	1.4	0	2.1	58
401430235	2012	3	20	23	V	1.9	0	0.75	213
401430235	2012	3	20	24	V	1.5	0	2.44	109

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	21	1	V	2.0	0	1.13	191
401430235	2012	3	21	2	V	1.0	0	1.59	138
401430235	2012	3	21	3	V	1.0	0	1.25	189
401430235	2012	3	21	4	V	0.9	0	1.52	197
401430235	2012	3	21	5	V	1.5	0	2.04	206
401430235	2012	3	21	6	V	1.1	0	1.99	296
401430235	2012	3	21	7	V	1.2	0	1.31	16
401430235	2012	3	21	8	V	4.8	0	1.21	353
401430235	2012	3	21	9	V	1.6	0	2.25	26
401430235	2012	3	21	10	V	3.9	-999	2.06	38
401430235	2012	3	21	11	V	2.3	-999	1.81	115
401430235	2012	3	21	12	V	3.2	0	1.47	215
401430235	2012	3	21	13	V	3.0	0	1.6	62
401430235	2012	3	21	14	V	2.4	0	3.88	96
401430235	2012	3	21	15	V	1.8	0	2.76	104
401430235	2012	3	21	16	V	2.1	0	2.3	114
401430235	2012	3	21	17	V	3.7	0	3.66	88
401430235	2012	3	21	18	V	3.7	0	3.83	122
401430235	2012	3	21	19	V	1.5	0	4.27	119
401430235	2012	3	21	20	V	3.2	0	5.48	218
401430235	2012	3	21	21	V	2.8	0	2.03	288
401430235	2012	3	21	22	V	1.7	0	1.06	58
401430235	2012	3	21	23	V	1.4	0	0.87	92
401430235	2012	3	21	24	V	1.8	0	0.89	95
401430235	2012	3	22	1	V	1.4	0	1.91	97
401430235	2012	3	22	2	V	1.0	0	1.65	23
401430235	2012	3	22	3	V	1.7	0	1.94	45
401430235	2012	3	22	4	V	0.6	0	3.59	100
401430235	2012	3	22	5	V	1.4	0	4.29	124
401430235	2012	3	22	6	V	0.5	0	4.24	134
401430235	2012	3	22	7	V	1.1	0	5.17	139
401430235	2012	3	22	8	V	4.0	0	5.29	147
401430235	2012	3	22	9	V	1.3	0	5.6	156
401430235	2012	3	22	10	V	2.5	0	4.78	170
401430235	2012	3	22	11	V	2.0	0	5.51	170
401430235	2012	3	22	12	V	2.2	0	4.97	164
401430235	2012	3	22	13	V	2.4	0	3.92	203
401430235	2012	3	22	14	V	2.5	0	4.36	199
401430235	2012	3	22	15	V	1.8	0	3.64	205
401430235	2012	3	22	16	V	2.3	0	2.21	217
401430235	2012	3	22	17	V	3.8	0	1.08	251
401430235	2012	3	22	18	V	3.9	0	1.25	278
401430235	2012	3	22	19	V	1.6	0	1.4	248
401430235	2012	3	22	20	V	3.4	0	1.2	213
401430235	2012	3	22	21	V	3.2	0	0.86	225
401430235	2012	3	22	22	V	1.6	0	1.14	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	22	23	V	1.8	0	0.72	230
401430235	2012	3	22	24	V	2.3	0	0.92	198
401430235	2012	3	23	1	V	1.8	0	0.92	210
401430235	2012	3	23	2	V	1.5	0	0.94	207
401430235	2012	3	23	3	V	0.7	0	1.06	272
401430235	2012	3	23	4	V	0.8	0	1.5	222
401430235	2012	3	23	5	V	1.5	0	1.67	232
401430235	2012	3	23	6	V	0.5	0	2.62	241
401430235	2012	3	23	7	V	1.1	0	2.16	240
401430235	2012	3	23	8	V	4.1	0	2.4	242
401430235	2012	3	23	9	V	1.4	0	2.83	259
401430235	2012	3	23	10	V	2.5	0	3.54	281
401430235	2012	3	23	11	V	2.6	0	4.41	294
401430235	2012	3	23	12	V	3.2	0	3.51	293
401430235	2012	3	23	13	V	4.3	0	3.81	298
401430235	2012	3	23	14	V	10.6	0	3.71	316
401430235	2012	3	23	15	V	5.3	1	3.75	304
401430235	2012	3	23	16	V	5.8	2	3.83	331
401430235	2012	3	23	17	V	9.2	2	3.35	326
401430235	2012	3	23	18	V	11.0	3	2.47	309
401430235	2012	3	23	19	V	2.7	2	1.35	294
401430235	2012	3	23	20	V	15.3	0	0.65	300
401430235	2012	3	23	21	V	3.7	1	0.77	282
401430235	2012	3	23	22	V	16.9	0	0.58	302
401430235	2012	3	23	23	V	1.7	0	0.74	237
401430235	2012	3	23	24	V	7.9	0	0.62	342
401430235	2012	3	24	1	V	2.2	1	0.7	243
401430235	2012	3	24	2	V	1.3	1	0.92	245
401430235	2012	3	24	3	V	1.4	0	0.86	196
401430235	2012	3	24	4	C	-999	0	0	0
401430235	2012	3	24	5	V	3.4	1	0.53	158
401430235	2012	3	24	6	V	2.5	1	0.52	263
401430235	2012	3	24	7	V	1.8	2	0.75	254
401430235	2012	3	24	8	V	4.5	1	1.31	202
401430235	2012	3	24	9	V	2.2	0	1.21	147
401430235	2012	3	24	10	V	3.8	0	1.3	173
401430235	2012	3	24	11	V	2.6	0	1.45	171
401430235	2012	3	24	12	V	2.5	1	1.98	145
401430235	2012	3	24	13	V	4.8	3	1.99	338
401430235	2012	3	24	14	V	7.1	1	2.61	317
401430235	2012	3	24	15	V	6.5	2	2.78	312
401430235	2012	3	24	16	V	6.4	2	2.13	312
401430235	2012	3	24	17	V	7.5	1	1.72	304
401430235	2012	3	24	18	V	3.9	0	1.42	21
401430235	2012	3	24	19	V	1.8	0	1.04	354
401430235	2012	3	24	20	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	24	21	V	5.9	0	0.58	349
401430235	2012	3	24	22	V	9.8	0	0.52	295
401430235	2012	3	24	23	C	-999	0	0	0
401430235	2012	3	24	24	V	3.4	0	0.6	281
401430235	2012	3	25	1	C	-999	0	0	0
401430235	2012	3	25	2	C	-999	0	0	0
401430235	2012	3	25	3	C	-999	0	0	0
401430235	2012	3	25	4	C	-999	0	0	0
401430235	2012	3	25	5	C	-999	0	0	0
401430235	2012	3	25	6	C	-999	0	0	0
401430235	2012	3	25	7	C	-999	0	0	0
401430235	2012	3	25	8	C	-999	0	0	0
401430235	2012	3	25	9	V	4.1	1	0.77	79
401430235	2012	3	25	10	V	4.5	6	1.04	149
401430235	2012	3	25	11	V	2.4	1	1.59	145
401430235	2012	3	25	12	V	2.3	1	3.03	151
401430235	2012	3	25	13	V	2.4	1	2.76	130
401430235	2012	3	25	14	V	2.5	0	2.2	149
401430235	2012	3	25	15	V	1.8	0	2.57	144
401430235	2012	3	25	16	V	2.2	0	2.27	120
401430235	2012	3	25	17	V	3.7	0	2.89	105
401430235	2012	3	25	18	V	3.7	0	2.55	132
401430235	2012	3	25	19	V	1.5	0	2.39	142
401430235	2012	3	25	20	V	3.2	0	1.28	174
401430235	2012	3	25	21	C	-999	0	0	0
401430235	2012	3	25	22	V	2.4	0	0.74	279
401430235	2012	3	25	23	V	2.5	0	0.65	278
401430235	2012	3	25	24	C	-999	0	0	0
401430235	2012	3	26	1	V	28.9	0	0.67	312
401430235	2012	3	26	2	C	-999	0	0	0
401430235	2012	3	26	3	C	-999	0	0	0
401430235	2012	3	26	4	C	-999	0	0	0
401430235	2012	3	26	5	C	-999	1	0	0
401430235	2012	3	26	6	C	-999	1	0	0
401430235	2012	3	26	7	C	-999	1	0	0
401430235	2012	3	26	8	C	-999	1	0	0
401430235	2012	3	26	9	V	2.0	0	1.35	124
401430235	2012	3	26	10	V	2.8	0	2.11	147
401430235	2012	3	26	11	V	2.0	0	3.08	143
401430235	2012	3	26	12	V	2.3	0	3.69	166
401430235	2012	3	26	13	V	2.4	0	3.9	159
401430235	2012	3	26	14	V	2.4	0	4.1	153
401430235	2012	3	26	15	V	1.7	0	4.48	149
401430235	2012	3	26	16	V	2.0	0	5.41	161
401430235	2012	3	26	17	V	3.7	0	5.48	165
401430235	2012	3	26	18	V	3.7	0	4.46	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	26	19	V	1.5	0	3.88	164
401430235	2012	3	26	20	V	2.9	0	4.19	166
401430235	2012	3	26	21	V	2.7	0	4.63	174
401430235	2012	3	26	22	V	1.5	0	4.43	182
401430235	2012	3	26	23	V	1.2	0	3.52	184
401430235	2012	3	26	24	V	1.5	0	3.4	183
401430235	2012	3	27	1	V	1.4	0	1.91	157
401430235	2012	3	27	2	V	0.9	0	2.3	173
401430235	2012	3	27	3	V	0.5	0	1.84	175
401430235	2012	3	27	4	V	0.6	0	1.98	156
401430235	2012	3	27	5	V	1.4	0	2.23	161
401430235	2012	3	27	6	V	0.6	0	2.11	167
401430235	2012	3	27	7	V	1.1	0	3.03	166
401430235	2012	3	27	8	V	4.0	0	3.91	169
401430235	2012	3	27	9	V	1.3	0	5.05	169
401430235	2012	3	27	10	V	2.6	0	5.84	183
401430235	2012	3	27	11	V	2.1	0	7.04	188
401430235	2012	3	27	12	V	2.4	0	7.86	195
401430235	2012	3	27	13	V	2.5	1	8.74	192
401430235	2012	3	27	14	V	2.5	-999	7.83	195
401430235	2012	3	27	15	V	1.9	-999	7.09	194
401430235	2012	3	27	16	V	2.2	0	6.53	195
401430235	2012	3	27	17	V	3.9	0	6.06	188
401430235	2012	3	27	18	V	3.8	0	5.29	198
401430235	2012	3	27	19	V	1.6	0	3.68	193
401430235	2012	3	27	20	V	3.0	0	2.93	196
401430235	2012	3	27	21	V	2.8	0	1.71	205
401430235	2012	3	27	22	V	1.7	0	1.26	210
401430235	2012	3	27	23	V	1.6	0	0.94	218
401430235	2012	3	27	24	V	3.6	0	0.52	232
401430235	2012	3	28	1	C	-999	0	0	0
401430235	2012	3	28	2	C	-999	0	0	0
401430235	2012	3	28	3	C	-999	0	0	0
401430235	2012	3	28	4	V	1.7	0	0.62	225
401430235	2012	3	28	5	V	2.0	0	1.08	183
401430235	2012	3	28	6	V	0.8	0	1.13	154
401430235	2012	3	28	7	V	1.1	0	1.86	157
401430235	2012	3	28	8	V	4.1	0	3.57	179
401430235	2012	3	28	9	V	1.5	0	5.04	187
401430235	2012	3	28	10	V	2.6	0	6.11	189
401430235	2012	3	28	11	V	2.0	0	7.18	199
401430235	2012	3	28	12	V	2.4	0	6.79	193
401430235	2012	3	28	13	V	2.5	0	6.7	196
401430235	2012	3	28	14	V	2.5	0	6.58	185
401430235	2012	3	28	15	V	1.9	0	6.48	186
401430235	2012	3	28	16	V	2.1	0	6.77	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	28	17	V	3.8	0	6.43	183
401430235	2012	3	28	18	V	3.8	0	6.23	175
401430235	2012	3	28	19	V	1.5	0	3.81	172
401430235	2012	3	28	20	V	2.9	0	3.4	169
401430235	2012	3	28	21	V	2.7	0	2.61	175
401430235	2012	3	28	22	V	1.4	0	3.2	173
401430235	2012	3	28	23	V	1.1	0	2.91	169
401430235	2012	3	28	24	V	1.5	0	2.18	169
401430235	2012	3	29	1	V	1.3	0	2.55	173
401430235	2012	3	29	2	V	1.0	0	1.87	175
401430235	2012	3	29	3	V	0.5	0	1.94	162
401430235	2012	3	29	4	V	1.3	0	1.11	190
401430235	2012	3	29	5	V	2.5	0	0.79	180
401430235	2012	3	29	6	V	1.0	0	0.96	159
401430235	2012	3	29	7	V	1.2	0	1.37	158
401430235	2012	3	29	8	V	4.1	0	2.69	170
401430235	2012	3	29	9	V	1.4	0	3.78	179
401430235	2012	3	29	10	V	2.6	0	4.61	186
401430235	2012	3	29	11	V	2.0	0	4.8	173
401430235	2012	3	29	12	V	2.4	0	5.85	181
401430235	2012	3	29	13	V	2.4	0	5.73	172
401430235	2012	3	29	14	V	2.4	0	6.35	165
401430235	2012	3	29	15	V	1.7	0	6.58	164
401430235	2012	3	29	16	V	2.0	0	6.89	167
401430235	2012	3	29	17	V	3.7	0	6.8	175
401430235	2012	3	29	18	V	3.9	0	5.67	182
401430235	2012	3	29	19	V	1.6	0	4.53	183
401430235	2012	3	29	20	V	3.0	0	2.27	187
401430235	2012	3	29	21	V	3.3	0	1.99	214
401430235	2012	3	29	22	V	1.6	0	1.13	226
401430235	2012	3	29	23	V	1.2	0	1.43	208
401430235	2012	3	29	24	V	2.2	0	1.81	217
401430235	2012	3	30	1	V	1.7	0	1.59	193
401430235	2012	3	30	2	V	1.2	0	1.91	191
401430235	2012	3	30	3	V	0.5	0	4.54	186
401430235	2012	3	30	4	V	0.6	0	4.87	189
401430235	2012	3	30	5	V	1.5	0	4.09	194
401430235	2012	3	30	6	V	0.7	0	1.54	207
401430235	2012	3	30	7	V	3.3	0	0.77	290
401430235	2012	3	30	8	V	4.4	0	1.67	181
401430235	2012	3	30	9	V	1.5	0	3.54	180
401430235	2012	3	30	10	V	2.6	0	3.97	188
401430235	2012	3	30	11	V	2.2	0	3.32	185
401430235	2012	3	30	12	V	2.5	0	2.5	194
401430235	2012	3	30	13	V	2.6	0	2.3	220
401430235	2012	3	30	14	V	2.6	0	3.01	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	3	30	15	V	1.9	0	3.8	184
401430235	2012	3	30	16	V	2.1	0	4.54	171
401430235	2012	3	30	17	V	3.8	0	4.56	182
401430235	2012	3	30	18	V	3.9	0	4.09	194
401430235	2012	3	30	19	V	1.6	0	3.05	198
401430235	2012	3	30	20	V	3.3	0	1.62	212
401430235	2012	3	30	21	V	3.4	0	1.42	216
401430235	2012	3	30	22	V	2.0	0	0.94	219
401430235	2012	3	30	23	C	-999	0	0	0
401430235	2012	3	30	24	V	2.5	0	0.69	274
401430235	2012	3	31	1	C	-999	0	0	0
401430235	2012	3	31	2	V	13.1	0	0.69	300
401430235	2012	3	31	3	V	1.7	0	0.62	268
401430235	2012	3	31	4	V	1.9	0	0.6	237
401430235	2012	3	31	5	C	-999	0	0	0
401430235	2012	3	31	6	V	3.2	0	0.53	284
401430235	2012	3	31	7	C	-999	0	0	0
401430235	2012	3	31	8	V	6.3	0	0.79	197
401430235	2012	3	31	9	V	2.3	0	1.48	193
401430235	2012	3	31	10	V	2.8	0	2.33	179
401430235	2012	3	31	11	V	2.4	0	1.79	173
401430235	2012	3	31	12	V	2.5	0	2.01	135
401430235	2012	3	31	13	V	2.5	0	2.9	159
401430235	2012	3	31	14	V	2.5	0	3.52	173
401430235	2012	3	31	15	V	1.8	0	3.74	167
401430235	2012	3	31	16	V	2.1	0	3.81	170
401430235	2012	3	31	17	V	3.8	0	3.4	179
401430235	2012	3	31	18	V	3.8	0	3.15	165
401430235	2012	3	31	19	V	1.5	0	2.47	152
401430235	2012	3	31	20	V	3.0	0	1.82	144
401430235	2012	3	31	21	V	3.6	0	0.97	187
401430235	2012	3	31	22	V	1.9	0	1.37	196
401430235	2012	3	31	23	V	1.3	0	1.69	199
401430235	2012	3	31	24	V	1.7	0	1.81	197
401430235	2012	4	1	1	V	2.5	0	0.77	199
401430235	2012	4	1	2	V	2.2	0	0.75	178
401430235	2012	4	1	3	V	0.6	0	2.33	188
401430235	2012	4	1	4	V	0.9	0	1.21	173
401430235	2012	4	1	5	V	1.5	0	1.48	155
401430235	2012	4	1	6	V	0.6	0	1.5	156
401430235	2012	4	1	7	V	1.1	0	2.69	166
401430235	2012	4	1	8	V	4.0	0	4.17	173
401430235	2012	4	1	9	V	1.4	0	6.21	185
401430235	2012	4	1	10	V	2.6	0	6.36	187
401430235	2012	4	1	11	V	2.1	0	7.08	190
401430235	2012	4	1	12	V	2.4	0	7.52	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	1	13	V	2.5	0	7.16	189
401430235	2012	4	1	14	V	2.5	0	6.99	186
401430235	2012	4	1	15	V	1.9	0	7.28	185
401430235	2012	4	1	16	V	2.2	0	7.49	184
401430235	2012	4	1	17	V	3.8	0	7.23	187
401430235	2012	4	1	18	V	3.9	0	6.04	185
401430235	2012	4	1	19	V	1.6	0	4.85	175
401430235	2012	4	1	20	V	2.9	0	5.12	172
401430235	2012	4	1	21	V	2.7	0	5.07	172
401430235	2012	4	1	22	V	1.4	0	4.83	170
401430235	2012	4	1	23	V	1.1	0	4.24	165
401430235	2012	4	1	24	V	1.5	0	4.19	169
401430235	2012	4	2	1	V	1.3	0	3.78	171
401430235	2012	4	2	2	V	1.0	0	4.65	181
401430235	2012	4	2	3	V	0.5	0	4.39	185
401430235	2012	4	2	4	V	0.6	0	5.09	190
401430235	2012	4	2	5	V	1.5	0	4.36	179
401430235	2012	4	2	6	V	0.5	0	3.97	176
401430235	2012	4	2	7	V	1.1	0	4.2	170
401430235	2012	4	2	8	V	4.0	0	5.02	171
401430235	2012	4	2	9	V	1.4	0	6.03	177
401430235	2012	4	2	10	V	2.6	0	6.83	182
401430235	2012	4	2	11	V	2.0	0	6.28	177
401430235	2012	4	2	12	V	2.3	0	5.63	167
401430235	2012	4	2	13	V	2.4	0	5.7	162
401430235	2012	4	2	14	V	2.4	0	5.85	163
401430235	2012	4	2	15	V	1.7	0	6.77	144
401430235	2012	4	2	16	V	2.0	0	6.46	156
401430235	2012	4	2	17	V	3.6	0	6.04	153
401430235	2012	4	2	18	V	3.7	0	5.44	159
401430235	2012	4	2	19	V	1.6	0	4.05	164
401430235	2012	4	2	20	V	3.0	0	7.25	171
401430235	2012	4	2	21	V	2.7	0	3.39	167
401430235	2012	4	2	22	V	1.4	0	3.1	144
401430235	2012	4	2	23	V	1.1	0	1.96	139
401430235	2012	4	2	24	V	1.6	0	1.84	201
401430235	2012	4	3	1	V	1.9	0	1.09	217
401430235	2012	4	3	2	V	32.3	0	1.08	310
401430235	2012	4	3	3	V	0.8	0	1.06	64
401430235	2012	4	3	4	V	0.8	0	1.28	171
401430235	2012	4	3	5	V	1.5	0	1.31	238
401430235	2012	4	3	6	V	0.6	0	1.79	246
401430235	2012	4	3	7	V	1.1	0	1.98	231
401430235	2012	4	3	8	M	-999	0	0.86	127
401430235	2012	4	3	9	M	-999	0	1.77	141
401430235	2012	4	3	10	M	-999	0	3.93	115

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	3	11	M	-999	0	4.19	148
401430235	2012	4	3	12	M	-999	-999	2.66	258
401430235	2012	4	3	13	M	-999	-999	2.15	299
401430235	2012	4	3	14	M	-999	0	2.15	39
401430235	2012	4	3	15	M	-999	0	3.15	215
401430235	2012	4	3	16	M	-999	0	1.96	268
401430235	2012	4	3	17	M	-999	0	1.76	63
401430235	2012	4	3	18	M	-999	0	4.75	125
401430235	2012	4	3	19	V	1.5	0	2.4	63
401430235	2012	4	3	20	V	5.6	0	1.5	40
401430235	2012	4	3	21	V	6.5	0	1.14	298
401430235	2012	4	3	22	V	1.6	0	1.33	240
401430235	2012	4	3	23	V	1.1	0	1.59	232
401430235	2012	4	3	24	V	1.9	0	0.91	251
401430235	2012	4	4	1	V	3.3	0	0.62	193
401430235	2012	4	4	2	V	1.4	0	0.84	265
401430235	2012	4	4	3	V	1.2	0	0.75	257
401430235	2012	4	4	4	C	-999	0	0	0
401430235	2012	4	4	5	V	2.5	0	0.72	32
401430235	2012	4	4	6	V	1.0	0	1.35	220
401430235	2012	4	4	7	V	1.2	0	1.35	224
401430235	2012	4	4	8	V	4.1	0	2.11	261
401430235	2012	4	4	9	V	1.4	0	2.79	259
401430235	2012	4	4	10	V	2.5	0	2.88	254
401430235	2012	4	4	11	V	2.0	0	3.39	241
401430235	2012	4	4	12	V	2.2	0	3.64	228
401430235	2012	4	4	13	V	2.5	0	3.49	224
401430235	2012	4	4	14	V	2.4	0	3.69	227
401430235	2012	4	4	15	V	1.7	0	4.29	232
401430235	2012	4	4	16	V	2.0	0	4.42	227
401430235	2012	4	4	17	V	3.7	0	3.81	221
401430235	2012	4	4	18	V	3.7	0	4.39	231
401430235	2012	4	4	19	V	1.9	0	4.58	217
401430235	2012	4	4	20	V	3.0	0	2.95	205
401430235	2012	4	4	21	V	3.1	0	2.86	221
401430235	2012	4	4	22	V	1.4	0	2.47	242
401430235	2012	4	4	23	V	1.1	0	1.81	234
401430235	2012	4	4	24	V	1.9	0	1.21	200
401430235	2012	4	5	1	V	1.4	0	1.81	231
401430235	2012	4	5	2	V	1.0	0	1.55	248
401430235	2012	4	5	3	V	0.7	0	1.04	260
401430235	2012	4	5	4	V	1.6	0	0.69	274
401430235	2012	4	5	5	V	37.6	0	1.21	315
401430235	2012	4	5	6	V	1.0	0	1.21	219
401430235	2012	4	5	7	V	1.2	0	1.52	247
401430235	2012	4	5	8	V	4.2	0	1.64	266

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	5	9	V	1.5	0	2.23	274
401430235	2012	4	5	10	V	2.5	0	2.49	266
401430235	2012	4	5	11	V	3.5	0	2.86	296
401430235	2012	4	5	12	V	11.6	0	2.96	315
401430235	2012	4	5	13	V	8.9	0	3.13	307
401430235	2012	4	5	14	V	4.6	0	2.45	340
401430235	2012	4	5	15	V	4.6	0	2.73	337
401430235	2012	4	5	16	V	4.7	0	2.5	338
401430235	2012	4	5	17	V	3.7	0	3.12	3
401430235	2012	4	5	18	V	3.7	0	2.56	11
401430235	2012	4	5	19	V	1.6	0	2.95	12
401430235	2012	4	5	20	V	3.0	0	2.89	10
401430235	2012	4	5	21	V	2.8	0	2.83	7
401430235	2012	4	5	22	V	1.4	0	4.32	22
401430235	2012	4	5	23	V	1.1	0	4.78	30
401430235	2012	4	5	24	V	1.5	0	4.27	32
401430235	2012	4	6	1	V	1.3	0	3.07	30
401430235	2012	4	6	2	V	0.9	0	2.57	21
401430235	2012	4	6	3	V	0.5	0	2.15	14
401430235	2012	4	6	4	V	0.6	0	2.83	31
401430235	2012	4	6	5	V	2.3	0	2.71	36
401430235	2012	4	6	6	V	0.6	0	1.72	27
401430235	2012	4	6	7	V	1.5	0	1.79	34
401430235	2012	4	6	8	V	4.1	0	2.13	59
401430235	2012	4	6	9	V	1.8	0	1.76	58
401430235	2012	4	6	10	V	2.5	0	2.15	91
401430235	2012	4	6	11	V	2.0	0	2.73	127
401430235	2012	4	6	12	V	2.3	0	3.08	151
401430235	2012	4	6	13	V	2.4	0	2.81	141
401430235	2012	4	6	14	V	2.4	0	2.81	128
401430235	2012	4	6	15	V	1.8	0	2.76	129
401430235	2012	4	6	16	V	2.1	0	2.66	129
401430235	2012	4	6	17	V	3.7	0	3.32	128
401430235	2012	4	6	18	V	3.7	0	3.81	131
401430235	2012	4	6	19	V	1.5	0	3.1	117
401430235	2012	4	6	20	V	3.3	0	0.87	161
401430235	2012	4	6	21	V	4.1	0	0.62	280
401430235	2012	4	6	22	V	13.9	0	0.7	300
401430235	2012	4	6	23	V	3.8	0	0.62	286
401430235	2012	4	6	24	V	1.9	0	1.55	194
401430235	2012	4	7	1	V	1.4	0	2.01	165
401430235	2012	4	7	2	V	1.0	0	2.39	196
401430235	2012	4	7	3	V	0.7	0	1.43	223
401430235	2012	4	7	4	V	0.6	0	2.81	182
401430235	2012	4	7	5	V	1.4	0	3.58	176
401430235	2012	4	7	6	V	0.5	0	2.83	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	7	7	V	1.1	0	4.73	170
401430235	2012	4	7	8	V	4.1	0	3.05	170
401430235	2012	4	7	9	V	1.4	0	5.75	179
401430235	2012	4	7	10	V	2.6	0	5.21	180
401430235	2012	4	7	11	V	2.0	0	4.75	207
401430235	2012	4	7	12	V	3.3	0	6.16	40
401430235	2012	4	7	13	V	2.5	0	2.44	57
401430235	2012	4	7	14	V	2.7	0	1.42	94
401430235	2012	4	7	15	V	7.4	0	1.01	337
401430235	2012	4	7	16	V	5.8	0	1.55	338
401430235	2012	4	7	17	V	3.8	0	1.69	360
401430235	2012	4	7	18	V	3.7	0	2.39	360
401430235	2012	4	7	19	V	1.6	0	1.93	4
401430235	2012	4	7	20	V	3.0	0	2.52	13
401430235	2012	4	7	21	V	2.8	0	3.25	22
401430235	2012	4	7	22	V	1.5	0	2.72	26
401430235	2012	4	7	23	V	1.1	0	3.35	22
401430235	2012	4	7	24	V	1.5	0	3.54	26
401430235	2012	4	8	1	V	1.4	0	3.2	29
401430235	2012	4	8	2	V	1.0	0	3.22	25
401430235	2012	4	8	3	V	0.6	0	4	32
401430235	2012	4	8	4	V	2.1	0	3.68	39
401430235	2012	4	8	5	V	1.4	0	2.67	32
401430235	2012	4	8	6	V	0.6	0	2.57	12
401430235	2012	4	8	7	V	1.1	0	2.4	18
401430235	2012	4	8	8	V	4.7	0	3.97	34
401430235	2012	4	8	9	V	2.9	0	4.85	40
401430235	2012	4	8	10	V	2.4	0	4.68	62
401430235	2012	4	8	11	V	2.0	0	3.54	71
401430235	2012	4	8	12	V	2.4	0	2.18	107
401430235	2012	4	8	13	V	2.4	0	2.5	142
401430235	2012	4	8	14	V	2.4	0	2.83	148
401430235	2012	4	8	15	V	1.9	0	1.65	133
401430235	2012	4	8	16	V	2.6	0	1.06	201
401430235	2012	4	8	17	V	7.0	0	0.77	296
401430235	2012	4	8	18	V	4.0	0	0.74	24
401430235	2012	4	8	19	V	2.3	0	0.72	266
401430235	2012	4	8	20	V	4.7	0	0.58	250
401430235	2012	4	8	21	V	2.9	0	1.48	166
401430235	2012	4	8	22	V	2.1	0	0.86	205
401430235	2012	4	8	23	V	15.0	0	0.52	300
401430235	2012	4	8	24	V	2.4	0	0.87	182
401430235	2012	4	9	1	V	1.9	0	1.2	217
401430235	2012	4	9	2	V	3.0	0	0.53	169
401430235	2012	4	9	3	V	0.8	0	0.96	224
401430235	2012	4	9	4	V	2.8	0	0.52	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	9	5	V	2.2	0	0.79	213
401430235	2012	4	9	6	V	2.1	0	0.6	263
401430235	2012	4	9	7	C	-999	0	0	0
401430235	2012	4	9	8	V	5.9	0	0.75	226
401430235	2012	4	9	9	V	2.3	0	1.18	239
401430235	2012	4	9	10	V	3.4	0	1.3	193
401430235	2012	4	9	11	V	2.5	0	1.57	190
401430235	2012	4	9	12	V	2.5	0	2.08	162
401430235	2012	4	9	13	V	2.5	0	2.95	160
401430235	2012	4	9	14	V	2.5	0	3.3	164
401430235	2012	4	9	15	V	1.8	0	3.23	158
401430235	2012	4	9	16	V	2.1	0	3.57	158
401430235	2012	4	9	17	V	3.7	0	3.93	162
401430235	2012	4	9	18	V	3.8	0	3.71	169
401430235	2012	4	9	19	V	1.7	0	2.84	187
401430235	2012	4	9	20	V	2.9	0	2.79	171
401430235	2012	4	9	21	V	2.7	0	2.3	156
401430235	2012	4	9	22	V	2.1	0	1.06	184
401430235	2012	4	9	23	V	2.6	0	0.74	191
401430235	2012	4	9	24	C	-999	0	0	0
401430235	2012	4	10	1	V	2.1	0	0.87	202
401430235	2012	4	10	2	V	20.1	0	0.99	331
401430235	2012	4	10	3	V	0.5	0	1.59	20
401430235	2012	4	10	4	V	1.1	0	0.84	360
401430235	2012	4	10	5	V	1.9	0	0.89	244
401430235	2012	4	10	6	V	1.9	0	1.37	342
401430235	2012	4	10	7	V	1.2	0	2.66	15
401430235	2012	4	10	8	V	4.0	0	3.4	18
401430235	2012	4	10	9	V	1.3	0	3.64	24
401430235	2012	4	10	10	V	3.5	0	4.36	36
401430235	2012	4	10	11	V	3.4	0	3.81	43
401430235	2012	4	10	12	V	2.3	0	3.47	58
401430235	2012	4	10	13	V	2.7	0	4	31
401430235	2012	4	10	14	V	2.5	-999	3.46	29
401430235	2012	4	10	15	V	2.6	-999	3.32	37
401430235	2012	4	10	16	V	3.0	0	3.69	39
401430235	2012	4	10	17	V	3.8	0	3.76	28
401430235	2012	4	10	18	V	3.8	0	3.17	28
401430235	2012	4	10	19	V	1.6	0	3.42	30
401430235	2012	4	10	20	V	3.0	0	3.81	28
401430235	2012	4	10	21	V	2.7	0	4.08	31
401430235	2012	4	10	22	V	1.5	0	3.66	25
401430235	2012	4	10	23	V	2.3	0	3.75	38
401430235	2012	4	10	24	V	2.5	0	4.29	44
401430235	2012	4	11	1	V	1.4	0	3.69	51
401430235	2012	4	11	2	V	1.9	0	4.22	44

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	11	3	V	0.6	0	4.02	50
401430235	2012	4	11	4	V	2.4	0	3.13	41
401430235	2012	4	11	5	V	1.5	0	3.97	12
401430235	2012	4	11	6	V	0.6	0	4.22	67
401430235	2012	4	11	7	V	1.2	0	4.22	51
401430235	2012	4	11	8	V	3.9	0	4.09	77
401430235	2012	4	11	9	V	1.4	0	2.81	89
401430235	2012	4	11	10	V	2.5	0	3.59	61
401430235	2012	4	11	11	V	1.9	0	4.54	77
401430235	2012	4	11	12	V	2.2	0	4.99	77
401430235	2012	4	11	13	V	2.3	0	4.32	81
401430235	2012	4	11	14	V	2.3	0	4.95	94
401430235	2012	4	11	15	V	1.7	0	4.27	113
401430235	2012	4	11	16	V	2.0	-999	3.86	107
401430235	2012	4	11	17	V	3.6	0	3.73	111
401430235	2012	4	11	18	V	3.7	0	3.2	116
401430235	2012	4	11	19	V	1.6	0	2.64	126
401430235	2012	4	11	20	V	3.0	0	1.54	148
401430235	2012	4	11	21	V	2.8	0	1.59	112
401430235	2012	4	11	22	V	1.6	0	1.42	145
401430235	2012	4	11	23	C	-999	0	0	0
401430235	2012	4	11	24	V	2.7	0	0.67	77
401430235	2012	4	12	1	C	-999	0	0	0
401430235	2012	4	12	2	V	1.4	0	0.91	82
401430235	2012	4	12	3	V	0.5	0	1.98	101
401430235	2012	4	12	4	V	0.6	0	1.88	136
401430235	2012	4	12	5	V	1.5	0	2.62	142
401430235	2012	4	12	6	V	0.5	0	2.69	149
401430235	2012	4	12	7	V	1.1	0	2.64	151
401430235	2012	4	12	8	V	4.0	0	3.83	164
401430235	2012	4	12	9	V	1.3	0	4.65	157
401430235	2012	4	12	10	V	2.4	0	5.45	150
401430235	2012	4	12	11	V	1.9	0	6.21	158
401430235	2012	4	12	12	V	2.2	0	5.96	161
401430235	2012	4	12	13	V	2.4	0	6.31	162
401430235	2012	4	12	14	V	2.3	0	6.11	159
401430235	2012	4	12	15	V	1.7	0	6.53	163
401430235	2012	4	12	16	V	2.0	0	5.87	156
401430235	2012	4	12	17	V	3.6	0	5.92	152
401430235	2012	4	12	18	V	3.7	0	5.48	154
401430235	2012	4	12	19	V	1.5	0	5.31	129
401430235	2012	4	12	20	V	2.9	0	4.76	134
401430235	2012	4	12	21	V	2.7	0	4.61	146
401430235	2012	4	12	22	V	1.5	0	4.27	154
401430235	2012	4	12	23	V	1.1	0	3.81	160
401430235	2012	4	12	24	V	1.5	0	4.07	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	13	1	V	1.3	0	4.61	166
401430235	2012	4	13	2	V	0.9	0	4.36	166
401430235	2012	4	13	3	V	0.5	0	4.75	173
401430235	2012	4	13	4	V	0.6	0	3.83	165
401430235	2012	4	13	5	V	1.5	0	3.68	169
401430235	2012	4	13	6	V	0.6	0	3.22	163
401430235	2012	4	13	7	V	1.1	0	3.93	167
401430235	2012	4	13	8	V	4.0	0	4.7	175
401430235	2012	4	13	9	V	1.4	0	6.52	182
401430235	2012	4	13	10	V	2.6	0	7.5	186
401430235	2012	4	13	11	V	2.1	0	7.35	186
401430235	2012	4	13	12	V	2.4	0	7.28	193
401430235	2012	4	13	13	V	2.6	0	6.09	191
401430235	2012	4	13	14	V	2.5	0	5.63	181
401430235	2012	4	13	15	V	1.8	0	5.24	169
401430235	2012	4	13	16	V	2.1	0	4.31	177
401430235	2012	4	13	17	V	3.8	0	3.35	174
401430235	2012	4	13	18	V	3.8	0	3.13	178
401430235	2012	4	13	19	V	1.6	0	2.89	160
401430235	2012	4	13	20	V	2.9	0	5.09	169
401430235	2012	4	13	21	V	2.7	0	4.77	162
401430235	2012	4	13	22	V	1.4	0	5.22	159
401430235	2012	4	13	23	V	1.1	0	5.12	173
401430235	2012	4	13	24	V	1.5	0	4.85	175
401430235	2012	4	14	1	V	1.4	0	2.67	166
401430235	2012	4	14	2	V	1.0	0	2.69	140
401430235	2012	4	14	3	V	0.5	0	3.51	151
401430235	2012	4	14	4	V	0.6	0	3.05	170
401430235	2012	4	14	5	V	1.5	0	3.86	159
401430235	2012	4	14	6	V	0.6	0	4.83	182
401430235	2012	4	14	7	V	1.3	0	3.03	182
401430235	2012	4	14	8	V	4.0	0	2.86	157
401430235	2012	4	14	9	V	1.3	0	5.96	175
401430235	2012	4	14	10	V	2.5	0	8.86	181
401430235	2012	4	14	11	V	1.9	0	8.05	170
401430235	2012	4	14	12	V	2.2	0	8.3	165
401430235	2012	4	14	13	V	2.4	0	7.76	167
401430235	2012	4	14	14	V	2.4	0	8.47	169
401430235	2012	4	14	15	V	1.7	0	9.12	166
401430235	2012	4	14	16	V	2.0	0	8.47	168
401430235	2012	4	14	17	V	3.7	0	8.13	168
401430235	2012	4	14	18	V	3.7	0	7.94	166
401430235	2012	4	14	19	V	1.6	0	7.89	166
401430235	2012	4	14	20	V	3.0	0	6.92	171
401430235	2012	4	14	21	V	2.8	0	7.57	175
401430235	2012	4	14	22	V	1.5	0	7.84	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	14	23	V	1.2	0	7.84	172
401430235	2012	4	14	24	V	1.6	0	7.33	172
401430235	2012	4	15	1	V	1.5	0	8.67	181
401430235	2012	4	15	2	V	1.1	0	8.59	182
401430235	2012	4	15	3	V	0.6	0	8.17	180
401430235	2012	4	15	4	V	0.7	0	5.8	195
401430235	2012	4	15	5	V	1.5	0	5.17	171
401430235	2012	4	15	6	V	0.8	0	5.84	218
401430235	2012	4	15	7	V	1.4	1	5.62	210
401430235	2012	4	15	8	V	4.2	0	3.22	182
401430235	2012	4	15	9	V	1.5	0	3.69	189
401430235	2012	4	15	10	V	2.6	1	4.87	198
401430235	2012	4	15	11	V	2.0	1	5.6	199
401430235	2012	4	15	12	V	2.3	0	5.14	204
401430235	2012	4	15	13	V	2.4	0	5.75	213
401430235	2012	4	15	14	V	2.4	0	6.01	211
401430235	2012	4	15	15	V	1.8	0	5.94	206
401430235	2012	4	15	16	V	2.1	0	6.04	211
401430235	2012	4	15	17	V	3.7	0	5.41	213
401430235	2012	4	15	18	V	3.7	0	4.12	229
401430235	2012	4	15	19	V	2.0	0	3.13	216
401430235	2012	4	15	20	V	3.0	0	1.88	225
401430235	2012	4	15	21	V	2.8	0	1.93	245
401430235	2012	4	15	22	V	1.5	0	2.78	286
401430235	2012	4	15	23	V	1.1	0	2.25	283
401430235	2012	4	15	24	V	1.5	0	2.1	264
401430235	2012	4	16	1	V	1.4	0	1.96	278
401430235	2012	4	16	2	V	1.2	0	2.28	294
401430235	2012	4	16	3	V	1.0	0	1.84	295
401430235	2012	4	16	4	V	2.5	0	1.45	298
401430235	2012	4	16	5	V	11.0	0	2.45	331
401430235	2012	4	16	6	V	0.9	0	1.81	343
401430235	2012	4	16	7	V	1.7	0	0.79	244
401430235	2012	4	16	8	V	5.6	0	1.19	44
401430235	2012	4	16	9	V	1.3	0	3.54	13
401430235	2012	4	16	10	V	2.5	0	3.25	20
401430235	2012	4	16	11	V	2.7	0	1.84	45
401430235	2012	4	16	12	V	3.0	0	1.6	3
401430235	2012	4	16	13	V	2.8	0	1.72	72
401430235	2012	4	16	14	V	2.7	0	1.82	62
401430235	2012	4	16	15	V	2.3	0	1.45	33
401430235	2012	4	16	16	V	2.6	0	1.37	203
401430235	2012	4	16	17	V	4.4	0	1.13	31
401430235	2012	4	16	18	V	4.1	0	1.52	6
401430235	2012	4	16	19	V	1.5	0	2.18	9
401430235	2012	4	16	20	V	3.0	0	1.6	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	16	21	V	3.2	0	0.86	4
401430235	2012	4	16	22	V	13.2	0	0.77	336
401430235	2012	4	16	23	C	-999	1	0	0
401430235	2012	4	16	24	V	3.6	0	0.52	266
401430235	2012	4	17	1	V	3.1	0	0.55	231
401430235	2012	4	17	2	C	-999	0	0	0
401430235	2012	4	17	3	C	-999	1	0	0
401430235	2012	4	17	4	V	2.5	0	0.53	266
401430235	2012	4	17	5	V	2.3	1	0.72	263
401430235	2012	4	17	6	C	-999	2	0	0
401430235	2012	4	17	7	V	3.3	3	0.52	225
401430235	2012	4	17	8	V	5.0	-999	1.16	102
401430235	2012	4	17	9	V	1.5	-999	2.69	121
401430235	2012	4	17	10	V	2.5	-999	3.06	140
401430235	2012	4	17	11	V	2.0	-999	3.37	141
401430235	2012	4	17	12	V	2.4	-999	3.2	164
401430235	2012	4	17	13	V	2.5	-999	2.84	155
401430235	2012	4	17	14	V	2.5	-999	2.95	175
401430235	2012	4	17	15	V	1.9	-999	2.59	166
401430235	2012	4	17	16	V	2.1	-999	2.96	160
401430235	2012	4	17	17	V	3.7	0	3.56	147
401430235	2012	4	17	18	V	3.7	0	3.44	152
401430235	2012	4	17	19	V	1.5	0	2.88	154
401430235	2012	4	17	20	V	3.0	0	1.59	146
401430235	2012	4	17	21	V	2.8	0	1.54	147
401430235	2012	4	17	22	V	1.6	0	1.45	161
401430235	2012	4	17	23	V	2.5	0	0.6	228
401430235	2012	4	17	24	V	1.5	0	3.05	158
401430235	2012	4	18	1	V	1.3	0	3.66	159
401430235	2012	4	18	2	V	0.9	0	4.2	170
401430235	2012	4	18	3	V	0.5	0	3.3	171
401430235	2012	4	18	4	V	0.5	1	2.79	175
401430235	2012	4	18	5	V	1.4	0	2.66	178
401430235	2012	4	18	6	V	0.5	0	2.56	166
401430235	2012	4	18	7	V	1.2	1	2.22	169
401430235	2012	4	18	8	V	4.1	1	3.46	169
401430235	2012	4	18	9	V	1.5	0	4.15	184
401430235	2012	4	18	10	V	2.6	1	5.29	187
401430235	2012	4	18	11	V	2.1	1	4.66	189
401430235	2012	4	18	12	V	2.4	1	5.36	184
401430235	2012	4	18	13	V	2.5	1	5.72	182
401430235	2012	4	18	14	V	2.4	1	6.19	171
401430235	2012	4	18	15	V	1.8	1	6.67	172
401430235	2012	4	18	16	V	2.2	1	5.99	182
401430235	2012	4	18	17	V	3.8	1	5.7	182
401430235	2012	4	18	18	V	3.9	1	5.26	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	18	19	V	1.6	1	3.56	173
401430235	2012	4	18	20	V	2.9	1	3.05	171
401430235	2012	4	18	21	V	2.7	1	3.25	173
401430235	2012	4	18	22	V	1.4	1	4.34	170
401430235	2012	4	18	23	V	1.1	1	3.68	176
401430235	2012	4	18	24	V	1.5	1	3.25	172
401430235	2012	4	19	1	V	1.3	1	2.69	175
401430235	2012	4	19	2	V	0.9	1	2.79	174
401430235	2012	4	19	3	V	0.5	1	2.32	167
401430235	2012	4	19	4	V	0.5	1	2.78	167
401430235	2012	4	19	5	V	1.4	1	2.93	163
401430235	2012	4	19	6	V	0.5	1	3.42	162
401430235	2012	4	19	7	V	1.1	1	3.85	167
401430235	2012	4	19	8	V	4.0	1	4.71	169
401430235	2012	4	19	9	V	1.3	2	6.13	174
401430235	2012	4	19	10	V	2.5	3	8.76	176
401430235	2012	4	19	11	V	2.0	2	9.32	177
401430235	2012	4	19	12	V	2.3	2	8.15	175
401430235	2012	4	19	13	V	2.4	2	8.13	169
401430235	2012	4	19	14	V	2.4	1	8.54	172
401430235	2012	4	19	15	V	1.9	2	7.48	186
401430235	2012	4	19	16	V	2.2	2	7.04	196
401430235	2012	4	19	17	V	3.8	2	6.31	197
401430235	2012	4	19	18	V	3.9	2	5.65	194
401430235	2012	4	19	19	V	1.7	2	3.17	189
401430235	2012	4	19	20	V	3.0	1	2.49	180
401430235	2012	4	19	21	V	2.9	2	1.89	198
401430235	2012	4	19	22	V	1.6	1	3.29	207
401430235	2012	4	19	23	V	1.2	2	2.28	238
401430235	2012	4	19	24	V	2.7	1	1.71	299
401430235	2012	4	20	1	V	1.4	1	2.84	257
401430235	2012	4	20	2	V	1.0	1	2.1	360
401430235	2012	4	20	3	V	0.5	1	1.99	15
401430235	2012	4	20	4	V	0.6	1	3.81	7
401430235	2012	4	20	5	V	1.4	1	3.8	359
401430235	2012	4	20	6	V	0.6	1	4.7	1
401430235	2012	4	20	7	V	1.2	1	4.58	356
401430235	2012	4	20	8	V	3.9	1	4.7	359
401430235	2012	4	20	9	V	1.3	1	4.95	357
401430235	2012	4	20	10	V	2.4	1	4.85	355
401430235	2012	4	20	11	V	1.9	1	4.53	353
401430235	2012	4	20	12	V	2.2	1	5.24	1
401430235	2012	4	20	13	V	2.3	1	4.77	359
401430235	2012	4	20	14	V	2.3	1	5.07	1
401430235	2012	4	20	15	V	1.7	1	4.58	2
401430235	2012	4	20	16	V	2.0	1	4.22	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	20	17	V	3.7	1	4.7	7
401430235	2012	4	20	18	V	3.7	1	3.92	6
401430235	2012	4	20	19	V	1.6	1	3.52	7
401430235	2012	4	20	20	V	2.9	1	2.1	355
401430235	2012	4	20	21	V	3.0	1	1.76	344
401430235	2012	4	20	22	V	4.5	1	1.82	338
401430235	2012	4	20	23	V	18.4	1	1.62	326
401430235	2012	4	20	24	V	33.1	1	1.33	318
401430235	2012	4	21	1	V	6.2	1	1.06	298
401430235	2012	4	21	2	V	20.4	1	0.77	330
401430235	2012	4	21	3	V	1.1	1	0.75	232
401430235	2012	4	21	4	V	1.8	1	0.65	246
401430235	2012	4	21	5	V	3.3	1	0.91	290
401430235	2012	4	21	6	C	-999	1	0	0
401430235	2012	4	21	7	V	1.6	1	0.79	235
401430235	2012	4	21	8	V	5.1	2	1.25	199
401430235	2012	4	21	9	V	2.3	1	1.65	198
401430235	2012	4	21	10	V	3.4	1	1.16	218
401430235	2012	4	21	11	V	2.4	3	1.6	232
401430235	2012	4	21	12	V	2.8	4	1.49	196
401430235	2012	4	21	13	V	2.7	4	1.86	231
401430235	2012	4	21	14	V	2.7	3	1.94	212
401430235	2012	4	21	15	V	4.1	6	1.81	311
401430235	2012	4	21	16	V	4.1	3	1.54	327
401430235	2012	4	21	17	V	4.0	2	1.43	238
401430235	2012	4	21	18	V	3.9	2	1.88	257
401430235	2012	4	21	19	V	4.8	1	1.3	299
401430235	2012	4	21	20	V	28.5	1	0.82	309
401430235	2012	4	21	21	V	4.5	2	0.57	249
401430235	2012	4	21	22	V	1.8	2	0.92	248
401430235	2012	4	21	23	V	2.0	2	0.7	253
401430235	2012	4	21	24	V	1.8	1	1.01	237
401430235	2012	4	22	1	V	2.5	1	0.65	246
401430235	2012	4	22	2	V	1.9	2	0.67	224
401430235	2012	4	22	3	C	-999	2	0	0
401430235	2012	4	22	4	C	-999	1	0	0
401430235	2012	4	22	5	V	10.6	1	0.62	339
401430235	2012	4	22	6	V	0.5	1	3.1	355
401430235	2012	4	22	7	V	1.1	1	5.09	8
401430235	2012	4	22	8	V	3.9	1	5.38	9
401430235	2012	4	22	9	V	1.3	1	5.43	4
401430235	2012	4	22	10	V	2.4	1	6.4	358
401430235	2012	4	22	11	V	1.9	1	6.13	357
401430235	2012	4	22	12	V	2.6	2	5.45	349
401430235	2012	4	22	13	V	2.6	2	5.53	351
401430235	2012	4	22	14	V	2.4	2	6.18	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	22	15	V	1.8	2	5.77	355
401430235	2012	4	22	16	V	2.1	1	5.75	359
401430235	2012	4	22	17	V	3.7	1	5.17	358
401430235	2012	4	22	18	V	3.7	1	4.76	360
401430235	2012	4	22	19	V	1.6	1	4.32	6
401430235	2012	4	22	20	V	2.9	1	2.33	358
401430235	2012	4	22	21	V	2.8	1	1.71	347
401430235	2012	4	22	22	V	1.5	1	1.81	4
401430235	2012	4	22	23	V	4.0	1	1.2	341
401430235	2012	4	22	24	V	2.5	1	0.89	286
401430235	2012	4	23	1	V	2.4	1	0.7	273
401430235	2012	4	23	2	C	-999	1	0	0
401430235	2012	4	23	3	V	2.0	1	0.6	254
401430235	2012	4	23	4	V	30.1	1	0.69	314
401430235	2012	4	23	5	V	2.5	2	0.65	227
401430235	2012	4	23	6	C	-999	2	0	0
401430235	2012	4	23	7	C	-999	2	0	0
401430235	2012	4	23	8	V	5.3	2	1.13	57
401430235	2012	4	23	9	V	2.1	2	1.54	52
401430235	2012	4	23	10	V	3.4	2	2.37	39
401430235	2012	4	23	11	V	2.4	3	3.54	34
401430235	2012	4	23	12	V	2.6	2	2.66	31
401430235	2012	4	23	13	V	3.5	2	2.57	347
401430235	2012	4	23	14	V	3.7	2	1.87	346
401430235	2012	4	23	15	V	2.2	2	2.74	41
401430235	2012	4	23	16	V	2.7	3	2.38	355
401430235	2012	4	23	17	V	5.9	3	2.06	340
401430235	2012	4	23	18	V	6.4	4	1.04	304
401430235	2012	4	23	19	V	1.6	2	1.3	247
401430235	2012	4	23	20	V	3.7	2	0.72	264
401430235	2012	4	23	21	C	-999	2	0	0
401430235	2012	4	23	22	V	2.2	2	0.72	235
401430235	2012	4	23	23	V	2.1	2	0.67	252
401430235	2012	4	23	24	V	2.4	2	0.69	243
401430235	2012	4	24	1	V	3.3	2	0.53	267
401430235	2012	4	24	2	V	2.3	2	0.62	268
401430235	2012	4	24	3	V	1.8	2	0.62	247
401430235	2012	4	24	4	V	1.1	2	0.91	214
401430235	2012	4	24	5	V	1.9	2	1.28	197
401430235	2012	4	24	6	V	1.4	2	1.01	191
401430235	2012	4	24	7	V	1.4	2	1.47	182
401430235	2012	4	24	8	V	4.3	2	2.37	190
401430235	2012	4	24	9	V	1.5	2	4.07	185
401430235	2012	4	24	10	V	2.6	2	4.82	194
401430235	2012	4	24	11	V	2.1	2	5.85	188
401430235	2012	4	24	12	V	2.4	2	6.19	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	24	13	V	2.5	3	6.18	190
401430235	2012	4	24	14	V	2.4	3	6.3	202
401430235	2012	4	24	15	V	1.8	2	6.46	205
401430235	2012	4	24	16	V	2.1	2	6.07	208
401430235	2012	4	24	17	V	3.7	3	6.36	212
401430235	2012	4	24	18	V	3.8	2	5.63	207
401430235	2012	4	24	19	V	1.6	3	3.57	202
401430235	2012	4	24	20	V	3.0	3	3.15	187
401430235	2012	4	24	21	V	2.8	2	4.03	187
401430235	2012	4	24	22	V	1.5	2	3.68	195
401430235	2012	4	24	23	V	1.2	2	4.24	196
401430235	2012	4	24	24	V	1.6	2	4.82	192
401430235	2012	4	25	1	V	1.4	3	4.22	192
401430235	2012	4	25	2	V	1.1	3	2.44	194
401430235	2012	4	25	3	V	0.5	3	3.12	173
401430235	2012	4	25	4	V	0.6	2	3.1	141
401430235	2012	4	25	5	V	1.4	2	3.32	150
401430235	2012	4	25	6	V	0.5	2	3.34	166
401430235	2012	4	25	7	V	1.2	2	4.15	171
401430235	2012	4	25	8	V	4.1	2	3.2	170
401430235	2012	4	25	9	V	1.5	-999	4.58	183
401430235	2012	4	25	10	V	2.5	-999	5.16	209
401430235	2012	4	25	11	V	2.0	0	5.33	208
401430235	2012	4	25	12	V	2.3	0	5.07	205
401430235	2012	4	25	13	V	2.4	0	5.14	208
401430235	2012	4	25	14	V	2.4	0	4.65	217
401430235	2012	4	25	15	V	1.8	0	4.7	206
401430235	2012	4	25	16	V	2.1	1	5.12	201
401430235	2012	4	25	17	V	3.9	1	5.22	192
401430235	2012	4	25	18	V	4.0	0	4.77	190
401430235	2012	4	25	19	V	1.7	1	2.78	187
401430235	2012	4	25	20	V	3.2	0	1.93	188
401430235	2012	4	25	21	V	3.3	0	1.04	200
401430235	2012	4	25	22	V	2.4	0	0.79	206
401430235	2012	4	25	23	V	2.9	0	0.62	179
401430235	2012	4	25	24	C	-999	0	0	0
401430235	2012	4	26	1	C	-999	1	0	0
401430235	2012	4	26	2	V	19.7	1	0.57	304
401430235	2012	4	26	3	V	2.3	0	0.55	274
401430235	2012	4	26	4	V	10.8	0	1.09	336
401430235	2012	4	26	5	V	1.6	1	1.43	7
401430235	2012	4	26	6	C	-999	1	0	0
401430235	2012	4	26	7	V	1.8	1	0.91	276
401430235	2012	4	26	8	V	5.3	0	1.28	20
401430235	2012	4	26	9	V	3.0	0	1.26	75
401430235	2012	4	26	10	V	2.6	0	2.52	107

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	26	11	V	2.0	0	3.71	83
401430235	2012	4	26	12	V	2.2	0	4.31	85
401430235	2012	4	26	13	V	2.4	0	5.09	86
401430235	2012	4	26	14	V	2.4	0	4.97	85
401430235	2012	4	26	15	V	1.7	0	4.78	72
401430235	2012	4	26	16	V	2.0	0	4.82	72
401430235	2012	4	26	17	V	3.7	0	5.29	81
401430235	2012	4	26	18	V	3.7	0	4.99	71
401430235	2012	4	26	19	V	1.6	0	4.75	75
401430235	2012	4	26	20	V	2.9	0	4.2	73
401430235	2012	4	26	21	V	2.7	0	4.63	83
401430235	2012	4	26	22	V	1.4	0	3.44	129
401430235	2012	4	26	23	V	1.2	0	1.33	144
401430235	2012	4	26	24	V	1.6	0	1.42	78
401430235	2012	4	27	1	V	1.3	0	2.76	91
401430235	2012	4	27	2	V	0.9	0	3.68	117
401430235	2012	4	27	3	V	0.5	0	2.89	125
401430235	2012	4	27	4	V	0.6	0	3.49	111
401430235	2012	4	27	5	V	1.4	0	3.95	111
401430235	2012	4	27	6	V	0.5	0	5.09	129
401430235	2012	4	27	7	V	1.1	0	4.12	153
401430235	2012	4	27	8	V	3.9	0	5.19	148
401430235	2012	4	27	9	V	1.3	0	6.31	161
401430235	2012	4	27	10	V	2.4	0	7.67	165
401430235	2012	4	27	11	V	1.9	0	8.33	166
401430235	2012	4	27	12	V	2.2	0	9.97	172
401430235	2012	4	27	13	V	2.4	0	8.57	177
401430235	2012	4	27	14	V	2.5	1	9.05	186
401430235	2012	4	27	15	V	1.8	1	9	180
401430235	2012	4	27	16	V	2.2	1	9.15	184
401430235	2012	4	27	17	V	3.8	1	8.57	183
401430235	2012	4	27	18	V	3.9	1	7.99	182
401430235	2012	4	27	19	V	1.6	1	6.45	177
401430235	2012	4	27	20	V	2.9	1	4.1	174
401430235	2012	4	27	21	V	2.8	1	3.32	183
401430235	2012	4	27	22	V	1.4	1	3.22	171
401430235	2012	4	27	23	V	1.1	1	3.81	168
401430235	2012	4	27	24	V	1.5	1	3.27	164
401430235	2012	4	28	1	V	1.3	1	2.66	159
401430235	2012	4	28	2	V	0.9	0	2.52	156
401430235	2012	4	28	3	V	0.5	1	3.13	161
401430235	2012	4	28	4	V	0.6	0	3.44	164
401430235	2012	4	28	5	V	1.5	0	4.03	166
401430235	2012	4	28	6	V	0.6	1	4.07	165
401430235	2012	4	28	7	V	1.1	0	3.88	165
401430235	2012	4	28	8	V	4.0	1	3.39	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	28	9	V	1.3	1	3.49	161
401430235	2012	4	28	10	V	2.5	0	4.7	172
401430235	2012	4	28	11	V	2.1	0	5.41	181
401430235	2012	4	28	12	V	2.3	0	5.22	173
401430235	2012	4	28	13	V	2.5	0	5.58	183
401430235	2012	4	28	14	V	2.5	1	4.71	181
401430235	2012	4	28	15	V	1.8	0	5.22	174
401430235	2012	4	28	16	V	2.1	0	5.24	172
401430235	2012	4	28	17	V	3.7	1	3.9	165
401430235	2012	4	28	18	V	3.7	1	3.75	159
401430235	2012	4	28	19	V	1.6	1	2.88	155
401430235	2012	4	28	20	V	3.0	1	2.95	130
401430235	2012	4	28	21	V	2.8	0	2.81	103
401430235	2012	4	28	22	V	1.5	0	3.12	111
401430235	2012	4	28	23	V	1.1	0	2.25	84
401430235	2012	4	28	24	V	1.5	0	2.89	136
401430235	2012	4	29	1	V	1.3	0	3.06	136
401430235	2012	4	29	2	V	0.9	0	2.96	153
401430235	2012	4	29	3	V	0.5	0	3.49	155
401430235	2012	4	29	4	V	0.9	1	2.4	212
401430235	2012	4	29	5	V	1.7	1	0.82	155
401430235	2012	4	29	6	V	0.6	0	1.55	79
401430235	2012	4	29	7	V	1.1	0	3.18	150
401430235	2012	4	29	8	V	4.1	0	3.98	177
401430235	2012	4	29	9	V	1.5	1	3.59	181
401430235	2012	4	29	10	V	2.6	1	4.8	182
401430235	2012	4	29	11	V	2.1	0	5.6	182
401430235	2012	4	29	12	V	2.5	1	5.58	188
401430235	2012	4	29	13	V	2.6	1	4.27	183
401430235	2012	4	29	14	V	2.5	1	4.48	179
401430235	2012	4	29	15	V	1.9	1	5.33	180
401430235	2012	4	29	16	V	2.2	1	5.11	188
401430235	2012	4	29	17	V	3.9	1	4.99	186
401430235	2012	4	29	18	V	3.8	1	3.93	172
401430235	2012	4	29	19	V	1.6	1	3.66	175
401430235	2012	4	29	20	V	3.0	1	3.34	170
401430235	2012	4	29	21	V	2.8	1	3.18	163
401430235	2012	4	29	22	V	1.4	1	4.17	172
401430235	2012	4	29	23	V	1.1	1	2.15	169
401430235	2012	4	29	24	V	1.5	1	1.76	153
401430235	2012	4	30	1	V	1.4	1	2.01	161
401430235	2012	4	30	2	V	1.0	1	1.89	1
401430235	2012	4	30	3	V	0.9	1	2.42	48
401430235	2012	4	30	4	V	0.6	1	5.38	3
401430235	2012	4	30	5	V	4.5	1	3.68	42
401430235	2012	4	30	6	V	0.6	0	2.95	106

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	4	30	7	V	1.2	1	2.5	143
401430235	2012	4	30	8	V	4.1	1	2.52	162
401430235	2012	4	30	9	V	1.8	1	2.4	172
401430235	2012	4	30	10	V	2.7	1	2.66	179
401430235	2012	4	30	11	V	2.1	1	2.95	159
401430235	2012	4	30	12	V	2.5	1	2.96	178
401430235	2012	4	30	13	V	2.5	1	3.49	177
401430235	2012	4	30	14	V	2.5	1	4.17	178
401430235	2012	4	30	15	V	1.9	1	4.19	176
401430235	2012	4	30	16	V	2.1	1	5.21	175
401430235	2012	4	30	17	V	3.7	1	4.97	169
401430235	2012	4	30	18	V	3.8	1	4.83	165
401430235	2012	4	30	19	V	1.5	1	4.19	154
401430235	2012	4	30	20	V	2.9	1	4.95	148
401430235	2012	4	30	21	V	2.8	1	5.36	169
401430235	2012	4	30	22	V	1.5	1	5.05	169
401430235	2012	4	30	23	V	1.1	1	4.41	169
401430235	2012	4	30	24	V	1.7	1	6.77	197
401430235	2012	5	1	1	V	1.4	1	5.31	202
401430235	2012	5	1	2	V	1.1	1	6.36	197
401430235	2012	5	1	3	V	0.6	1	6.74	183
401430235	2012	5	1	4	V	0.7	0	6.58	208
401430235	2012	5	1	5	V	1.4	-999	4.08	165
401430235	2012	5	1	6	V	0.5	4	4.17	165
401430235	2012	5	1	7	V	1.2	4	7.28	182
401430235	2012	5	1	8	V	4.1	4	6.94	185
401430235	2012	5	1	9	V	1.4	4	7.42	184
401430235	2012	5	1	10	V	2.6	4	7.21	188
401430235	2012	5	1	11	V	2.1	4	8.39	186
401430235	2012	5	1	12	V	2.4	5	8.47	186
401430235	2012	5	1	13	V	2.5	4	7.83	185
401430235	2012	5	1	14	V	2.5	5	7.71	180
401430235	2012	5	1	15	V	1.8	5	8.73	178
401430235	2012	5	1	16	V	2.2	5	8.18	185
401430235	2012	5	1	17	V	3.8	5	8.25	187
401430235	2012	5	1	18	V	3.9	5	7.23	181
401430235	2012	5	1	19	V	1.6	5	5.89	177
401430235	2012	5	1	20	V	2.9	5	4.07	166
401430235	2012	5	1	21	V	2.7	5	4.22	169
401430235	2012	5	1	22	V	1.5	5	5.43	170
401430235	2012	5	1	23	V	1.1	5	5.33	166
401430235	2012	5	1	24	V	1.5	5	4.92	169
401430235	2012	5	2	1	V	1.4	5	5.67	174
401430235	2012	5	2	2	V	1.0	5	5.72	180
401430235	2012	5	2	3	V	0.5	5	5.55	179
401430235	2012	5	2	4	V	0.6	5	5.94	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	2	5	V	1.5	5	6.26	178
401430235	2012	5	2	6	V	0.6	5	5.43	174
401430235	2012	5	2	7	V	1.1	5	6.11	175
401430235	2012	5	2	8	V	4.0	5	7.23	176
401430235	2012	5	2	9	V	1.4	5	6.99	179
401430235	2012	5	2	10	V	2.6	5	7.65	185
401430235	2012	5	2	11	V	2.1	-999	7.94	185
401430235	2012	5	2	12	V	2.4	-999	8.06	185
401430235	2012	5	2	13	V	2.5	5	7.59	190
401430235	2012	5	2	14	V	2.5	5	7.21	187
401430235	2012	5	2	15	V	1.8	5	7.11	171
401430235	2012	5	2	16	V	2.1	5	6.84	172
401430235	2012	5	2	17	V	3.7	5	6.41	172
401430235	2012	5	2	18	V	3.7	5	6.52	171
401430235	2012	5	2	19	V	1.6	5	5.92	167
401430235	2012	5	2	20	V	2.9	5	5.16	167
401430235	2012	5	2	21	V	2.7	5	4.32	163
401430235	2012	5	2	22	V	1.4	5	4.9	162
401430235	2012	5	2	23	V	1.1	5	5.62	165
401430235	2012	5	2	24	V	1.5	5	5.6	166
401430235	2012	5	3	1	V	1.3	5	4.2	173
401430235	2012	5	3	2	V	0.9	5	3.68	174
401430235	2012	5	3	3	V	0.5	5	2.67	165
401430235	2012	5	3	4	V	0.6	5	3.05	169
401430235	2012	5	3	5	V	1.4	5	2.54	169
401430235	2012	5	3	6	V	0.5	5	2.86	165
401430235	2012	5	3	7	V	1.2	5	3.18	167
401430235	2012	5	3	8	V	4.0	5	4.56	170
401430235	2012	5	3	9	V	1.4	5	6.28	183
401430235	2012	5	3	10	V	2.6	5	7.13	182
401430235	2012	5	3	11	V	2.1	-999	7.43	183
401430235	2012	5	3	12	V	2.4	-999	7.81	187
401430235	2012	5	3	13	V	2.5	-999	7.84	193
401430235	2012	5	3	14	V	2.5	-999	7.64	194
401430235	2012	5	3	15	V	1.9	-999	7.01	189
401430235	2012	5	3	16	V	2.2	-999	6.79	185
401430235	2012	5	3	17	V	3.8	-999	7.38	185
401430235	2012	5	3	18	V	3.8	-999	6.12	178
401430235	2012	5	3	19	V	1.6	-999	3.86	158
401430235	2012	5	3	20	V	2.9	-999	4.36	170
401430235	2012	5	3	21	V	2.7	-999	4.36	167
401430235	2012	5	3	22	V	1.4	-999	3.51	167
401430235	2012	5	3	23	V	1.1	-999	2.84	156
401430235	2012	5	3	24	V	1.5	-999	3.68	166
401430235	2012	5	4	1	V	1.3	-999	3.91	163
401430235	2012	5	4	2	V	0.9	-999	3.25	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	4	3	V	0.5	-999	2.81	166
401430235	2012	5	4	4	V	0.6	-999	2.62	183
401430235	2012	5	4	5	V	1.5	-999	2.72	183
401430235	2012	5	4	6	V	0.6	-999	3.97	184
401430235	2012	5	4	7	V	1.2	-999	4.02	178
401430235	2012	5	4	8	V	4.2	-999	5.19	185
401430235	2012	5	4	9	V	1.5	-999	6.43	192
401430235	2012	5	4	10	V	2.6	-999	6.06	185
401430235	2012	5	4	11	V	2.1	-999	6.14	188
401430235	2012	5	4	12	V	2.4	-999	5.51	183
401430235	2012	5	4	13	V	2.5	-999	5.89	184
401430235	2012	5	4	14	V	2.5	-999	4.2	183
401430235	2012	5	4	15	V	1.7	-999	6.64	161
401430235	2012	5	4	16	V	2.2	-999	3.52	187
401430235	2012	5	4	17	V	3.8	-999	4.63	173
401430235	2012	5	4	18	V	3.8	-999	4.03	149
401430235	2012	5	4	19	V	1.6	-999	4.49	162
401430235	2012	5	4	20	V	2.9	-999	4.22	168
401430235	2012	5	4	21	V	2.7	-999	4.29	161
401430235	2012	5	4	22	V	1.4	-999	4.15	167
401430235	2012	5	4	23	V	1.1	-999	3.57	161
401430235	2012	5	4	24	V	1.5	-999	3.3	157
401430235	2012	5	5	1	V	1.3	-999	2.69	147
401430235	2012	5	5	2	V	1.1	-999	1.57	177
401430235	2012	5	5	3	V	2.3	-999	0.55	206
401430235	2012	5	5	4	V	1.0	-999	1.16	174
401430235	2012	5	5	5	V	1.5	-999	1.91	167
401430235	2012	5	5	6	V	0.6	-999	1.65	159
401430235	2012	5	5	7	V	1.3	-999	2.25	162
401430235	2012	5	5	8	V	4.1	-999	3.54	169
401430235	2012	5	5	9	V	1.4	-999	3.81	174
401430235	2012	5	5	10	V	2.6	-999	5.48	180
401430235	2012	5	5	11	V	2.0	-999	6.23	174
401430235	2012	5	5	12	V	2.2	-999	6.35	159
401430235	2012	5	5	13	V	2.4	-999	7.3	161
401430235	2012	5	5	14	V	2.4	-999	7.09	167
401430235	2012	5	5	15	V	1.8	-999	7.06	166
401430235	2012	5	5	16	V	2.0	-999	5.97	157
401430235	2012	5	5	17	V	3.7	-999	5.8	157
401430235	2012	5	5	18	V	3.7	-999	5.1	159
401430235	2012	5	5	19	V	1.6	-999	4.29	161
401430235	2012	5	5	20	V	2.9	-999	3.74	144
401430235	2012	5	5	21	V	2.7	-999	3.86	153
401430235	2012	5	5	22	V	1.4	-999	3.39	163
401430235	2012	5	5	23	V	1.1	-999	2.96	180
401430235	2012	5	5	24	V	1.5	-999	2.88	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	6	1	V	1.3	-999	3.05	169
401430235	2012	5	6	2	V	0.9	-999	2.93	156
401430235	2012	5	6	3	V	0.5	-999	3.01	160
401430235	2012	5	6	4	V	0.6	-999	2.71	164
401430235	2012	5	6	5	V	1.4	-999	2.95	153
401430235	2012	5	6	6	V	0.5	-999	3.17	162
401430235	2012	5	6	7	V	1.1	-999	4.22	162
401430235	2012	5	6	8	V	4.0	-999	4.76	166
401430235	2012	5	6	9	V	1.3	-999	5.04	166
401430235	2012	5	6	10	V	2.5	-999	6.02	170
401430235	2012	5	6	11	V	2.0	-999	6.64	168
401430235	2012	5	6	12	V	2.3	-999	5.65	172
401430235	2012	5	6	13	V	2.5	-999	4.82	185
401430235	2012	5	6	14	V	2.4	-999	5.1	165
401430235	2012	5	6	15	V	1.8	-999	4.42	151
401430235	2012	5	6	16	V	2.1	-999	5.05	159
401430235	2012	5	6	17	V	3.7	-999	4.88	170
401430235	2012	5	6	18	V	3.8	-999	3.81	159
401430235	2012	5	6	19	V	1.6	-999	3	147
401430235	2012	5	6	20	V	2.9	-999	2.5	161
401430235	2012	5	6	21	V	2.8	-999	1.77	177
401430235	2012	5	6	22	V	1.5	-999	1.74	166
401430235	2012	5	6	23	V	1.6	-999	1.06	212
401430235	2012	5	6	24	V	4.7	-999	0.63	348
401430235	2012	5	7	1	V	21.9	-999	0.7	329
401430235	2012	5	7	2	V	33.1	-999	0.89	314
401430235	2012	5	7	3	V	1.0	-999	0.84	96
401430235	2012	5	7	4	V	0.6	-999	3.52	82
401430235	2012	5	7	5	V	1.5	-999	3.78	14
401430235	2012	5	7	6	V	0.6	-999	4.8	15
401430235	2012	5	7	7	V	1.1	-999	4.58	15
401430235	2012	5	7	8	V	4.0	-999	4.32	22
401430235	2012	5	7	9	V	4.0	-999	4.44	37
401430235	2012	5	7	10	V	2.4	-999	4.42	12
401430235	2012	5	7	11	V	1.9	-999	5	19
401430235	2012	5	7	12	V	2.2	-999	5.6	19
401430235	2012	5	7	13	V	2.4	-999	4.2	4
401430235	2012	5	7	14	V	2.4	-999	4.95	3
401430235	2012	5	7	15	V	1.7	-999	5.33	7
401430235	2012	5	7	16	V	2.0	-999	6.31	9
401430235	2012	5	7	17	V	3.6	-999	5.34	7
401430235	2012	5	7	18	V	3.7	-999	4.27	360
401430235	2012	5	7	19	V	1.6	-999	4.97	1
401430235	2012	5	7	20	V	3.0	-999	4.14	1
401430235	2012	5	7	21	V	2.7	-999	3.49	6
401430235	2012	5	7	22	V	1.4	-999	2.55	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	7	23	V	1.1	-999	1.99	5
401430235	2012	5	7	24	V	1.5	-999	1.82	22
401430235	2012	5	8	1	V	1.4	-999	2.05	355
401430235	2012	5	8	2	V	0.9	-999	3.07	5
401430235	2012	5	8	3	V	0.5	-999	3.95	8
401430235	2012	5	8	4	V	0.6	-999	4.27	13
401430235	2012	5	8	5	V	1.4	-999	2.96	14
401430235	2012	5	8	6	V	0.5	-999	2.37	16
401430235	2012	5	8	7	V	1.3	-999	2.35	4
401430235	2012	5	8	8	V	4.0	-999	3.71	9
401430235	2012	5	8	9	V	1.4	-999	2.89	4
401430235	2012	5	8	10	V	2.8	-999	2.71	23
401430235	2012	5	8	11	V	2.1	-999	3.37	21
401430235	2012	5	8	12	V	2.6	-999	3.64	27
401430235	2012	5	8	13	V	2.5	-999	3.49	20
401430235	2012	5	8	14	V	2.4	-999	4.25	10
401430235	2012	5	8	15	V	1.9	-999	4.08	2
401430235	2012	5	8	16	V	2.3	-999	3.29	1
401430235	2012	5	8	17	V	3.9	-999	3.18	2
401430235	2012	5	8	18	V	4.1	-999	2.45	360
401430235	2012	5	8	19	V	1.6	-999	1.94	2
401430235	2012	5	8	20	V	21.1	-999	0.79	331
401430235	2012	5	8	21	V	4.4	-999	0.57	250
401430235	2012	5	8	22	V	3.5	-999	0.53	224
401430235	2012	5	8	23	V	3.1	-999	0.53	233
401430235	2012	5	8	24	V	3.6	-999	0.55	180
401430235	2012	5	9	1	V	2.8	-999	0.6	219
401430235	2012	5	9	2	V	2.7	-999	0.53	132
401430235	2012	5	9	3	C	-999	-999	0	0
401430235	2012	5	9	4	V	1.6	-999	0.65	237
401430235	2012	5	9	5	V	2.2	-999	0.7	233
401430235	2012	5	9	6	V	1.8	-999	0.77	196
401430235	2012	5	9	7	V	3.8	-999	0.75	278
401430235	2012	5	9	8	V	15.7	-999	1.33	326
401430235	2012	5	9	9	V	5.4	-999	1.79	306
401430235	2012	5	9	10	V	2.7	-999	2.91	3
401430235	2012	5	9	11	V	2.2	-999	2.96	12
401430235	2012	5	9	12	V	2.6	-999	2.78	10
401430235	2012	5	9	13	V	3.2	-999	2.55	346
401430235	2012	5	9	14	V	2.6	-999	3.49	8
401430235	2012	5	9	15	V	2.1	-999	3.32	2
401430235	2012	5	9	16	V	2.6	-999	2.86	360
401430235	2012	5	9	17	V	4.6	-999	2.62	352
401430235	2012	5	9	18	V	3.9	-999	2.73	14
401430235	2012	5	9	19	V	1.6	-999	2.4	25
401430235	2012	5	9	20	V	3.4	-999	1.48	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	9	21	V	8.9	-999	0.75	341
401430235	2012	5	9	22	V	2.8	-999	0.63	273
401430235	2012	5	9	23	V	1.6	-999	0.82	250
401430235	2012	5	9	24	V	3.6	-999	0.58	282
401430235	2012	5	10	1	V	3.3	-999	0.52	255
401430235	2012	5	10	2	C	-999	-999	0	0
401430235	2012	5	10	3	C	-999	-999	0	0
401430235	2012	5	10	4	C	-999	-999	0	0
401430235	2012	5	10	5	V	3.3	-999	0.57	280
401430235	2012	5	10	6	C	-999	-999	0	0
401430235	2012	5	10	7	C	-999	-999	0	0
401430235	2012	5	10	8	V	5.1	-999	1.45	171
401430235	2012	5	10	9	V	1.5	-999	3.18	172
401430235	2012	5	10	10	V	2.6	-999	3.35	172
401430235	2012	5	10	11	V	2.1	0	2.83	172
401430235	2012	5	10	12	V	2.5	0	2.42	174
401430235	2012	5	10	13	V	2.6	0	2.44	165
401430235	2012	5	10	14	V	2.5	0	3.34	170
401430235	2012	5	10	15	V	1.9	0	3.68	170
401430235	2012	5	10	16	V	2.2	0	3.88	164
401430235	2012	5	10	17	V	3.7	0	4.54	157
401430235	2012	5	10	18	V	3.8	0	3.98	159
401430235	2012	5	10	19	V	1.6	0	3.17	149
401430235	2012	5	10	20	V	2.9	0	2.67	134
401430235	2012	5	10	21	V	2.8	0	2.1	127
401430235	2012	5	10	22	V	1.5	0	1.57	142
401430235	2012	5	10	23	V	2.0	0	0.69	265
401430235	2012	5	10	24	V	1.7	0	1.11	227
401430235	2012	5	11	1	C	-999	0	0	0
401430235	2012	5	11	2	V	7.7	0	0.52	293
401430235	2012	5	11	3	V	20.5	0	0.52	306
401430235	2012	5	11	4	C	-999	0	0	0
401430235	2012	5	11	5	V	1.5	0	1.52	96
401430235	2012	5	11	6	V	0.5	0	2.5	126
401430235	2012	5	11	7	V	1.2	0	2.59	123
401430235	2012	5	11	8	V	4.0	0	3.25	120
401430235	2012	5	11	9	V	1.4	0	2.62	116
401430235	2012	5	11	10	V	2.6	1	2.49	123
401430235	2012	5	11	11	V	2.0	1	2.79	107
401430235	2012	5	11	12	V	2.3	1	3.76	146
401430235	2012	5	11	13	V	2.5	0	3.66	172
401430235	2012	5	11	14	V	2.9	0	1.38	34
401430235	2012	5	11	15	V	2.7	0	1.26	353
401430235	2012	5	11	16	V	2.5	0	2.56	31
401430235	2012	5	11	17	V	3.8	0	2.83	22
401430235	2012	5	11	18	V	3.8	0	2.45	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	11	19	V	1.7	0	2.35	359
401430235	2012	5	11	20	V	3.0	0	2.05	7
401430235	2012	5	11	21	V	2.8	0	2.59	22
401430235	2012	5	11	22	V	1.7	0	2.66	49
401430235	2012	5	11	23	V	1.1	0	2.96	99
401430235	2012	5	11	24	V	1.5	0	2.32	111
401430235	2012	5	12	1	V	1.4	0	1.43	119
401430235	2012	5	12	2	V	1.1	0	1.26	356
401430235	2012	5	12	3	V	2.1	0	1.06	35
401430235	2012	5	12	4	V	0.7	0	1.23	3
401430235	2012	5	12	5	V	1.6	0	1.23	13
401430235	2012	5	12	6	V	0.9	0	1.01	2
401430235	2012	5	12	7	V	10.0	0	0.74	333
401430235	2012	5	12	8	V	4.2	0	2.23	5
401430235	2012	5	12	9	V	1.5	0	2.52	7
401430235	2012	5	12	10	V	2.9	0	2.39	360
401430235	2012	5	12	11	V	2.2	0	2.54	8
401430235	2012	5	12	12	V	2.8	0	2.18	357
401430235	2012	5	12	13	V	5.7	0	2.11	331
401430235	2012	5	12	14	V	4.8	0	2.08	338
401430235	2012	5	12	15	V	3.8	0	2.33	341
401430235	2012	5	12	16	V	3.9	0	2.62	342
401430235	2012	5	12	17	V	6.7	0	1.91	337
401430235	2012	5	12	18	V	6.4	0	1.91	340
401430235	2012	5	12	19	V	1.9	0	1.96	354
401430235	2012	5	12	20	V	3.0	0	2.4	359
401430235	2012	5	12	21	V	2.8	0	2.21	359
401430235	2012	5	12	22	V	1.5	0	1.91	355
401430235	2012	5	12	23	V	1.1	0	1.89	357
401430235	2012	5	12	24	V	1.5	0	1.94	351
401430235	2012	5	13	1	V	1.4	0	1.84	353
401430235	2012	5	13	2	V	0.9	0	3	5
401430235	2012	5	13	3	V	0.5	0	3.39	4
401430235	2012	5	13	4	V	0.6	0	3.54	6
401430235	2012	5	13	5	V	1.4	0	3.59	2
401430235	2012	5	13	6	V	0.6	0	4.19	9
401430235	2012	5	13	7	V	1.1	0	3.78	18
401430235	2012	5	13	8	V	4.2	0	2.59	7
401430235	2012	5	13	9	V	1.5	0	2.45	10
401430235	2012	5	13	10	V	4.0	0	2.18	339
401430235	2012	5	13	11	V	2.2	0	3.05	359
401430235	2012	5	13	12	V	2.6	0	3.08	1
401430235	2012	5	13	13	V	2.6	0	3.47	5
401430235	2012	5	13	14	V	2.6	0	3.61	3
401430235	2012	5	13	15	V	1.9	0	3.98	7
401430235	2012	5	13	16	V	2.1	0	3.8	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	13	17	V	3.8	0	3.88	21
401430235	2012	5	13	18	V	3.8	0	3.64	14
401430235	2012	5	13	19	V	1.6	0	3.08	9
401430235	2012	5	13	20	V	3.0	0	1.55	356
401430235	2012	5	13	21	V	10.4	0	0.82	339
401430235	2012	5	13	22	V	22.9	0	0.75	328
401430235	2012	5	13	23	C	-999	0	0	0
401430235	2012	5	13	24	C	-999	0	0	0
401430235	2012	5	14	1	V	2.8	0	0.6	246
401430235	2012	5	14	2	C	-999	0	0	0
401430235	2012	5	14	3	C	-999	0	0	0
401430235	2012	5	14	4	V	2.8	0	0.53	211
401430235	2012	5	14	5	C	-999	0	0	0
401430235	2012	5	14	6	V	1.7	0	0.62	233
401430235	2012	5	14	7	V	11.1	0	0.72	331
401430235	2012	5	14	8	V	5.3	0	1.71	26
401430235	2012	5	14	9	V	1.8	0	1.82	9
401430235	2012	5	14	10	V	2.7	1	2.56	12
401430235	2012	5	14	11	V	2.2	2	2.86	18
401430235	2012	5	14	12	V	2.4	0	3.27	13
401430235	2012	5	14	13	V	2.5	0	3.88	17
401430235	2012	5	14	14	V	2.7	0	3.3	6
401430235	2012	5	14	15	V	2.0	0	3.13	16
401430235	2012	5	14	16	V	2.2	0	3.81	23
401430235	2012	5	14	17	V	3.9	0	3.17	10
401430235	2012	5	14	18	V	4.0	0	2.38	19
401430235	2012	5	14	19	V	1.7	0	1.94	13
401430235	2012	5	14	20	V	3.5	0	0.99	350
401430235	2012	5	14	21	V	7.3	0	0.69	292
401430235	2012	5	14	22	C	-999	1	0	0
401430235	2012	5	14	23	C	-999	0	0	0
401430235	2012	5	14	24	C	-999	0	0	0
401430235	2012	5	15	1	V	3.1	0	0.55	258
401430235	2012	5	15	2	V	2.9	0	0.52	275
401430235	2012	5	15	3	V	1.4	0	0.69	249
401430235	2012	5	15	4	V	2.2	0	0.57	233
401430235	2012	5	15	5	V	19.3	1	0.58	304
401430235	2012	5	15	6	V	1.3	1	0.75	253
401430235	2012	5	15	7	C	-999	1	0	0
401430235	2012	5	15	8	V	7.1	1	0.6	191
401430235	2012	5	15	9	V	1.9	1	1.45	158
401430235	2012	5	15	10	V	2.8	1	1.82	128
401430235	2012	5	15	11	V	2.4	1	1.55	192
401430235	2012	5	15	12	V	2.7	3	1.67	235
401430235	2012	5	15	13	V	2.8	7	1.84	54
401430235	2012	5	15	14	V	2.7	2	2.33	37

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	15	15	V	2.1	1	2.44	24
401430235	2012	5	15	16	V	2.4	1	1.84	50
401430235	2012	5	15	17	V	4.1	1	1.64	11
401430235	2012	5	15	18	V	4.3	1	1.3	339
401430235	2012	5	15	19	V	1.5	1	2.61	145
401430235	2012	5	15	20	V	3.1	1	1.65	183
401430235	2012	5	15	21	V	4.4	1	0.53	258
401430235	2012	5	15	22	V	2.5	0	0.67	243
401430235	2012	5	15	23	V	2.9	0	0.55	253
401430235	2012	5	15	24	V	2.3	0	0.72	259
401430235	2012	5	16	1	V	3.0	0	0.58	248
401430235	2012	5	16	2	V	1.7	0	0.8	211
401430235	2012	5	16	3	V	1.7	0	0.79	185
401430235	2012	5	16	4	C	-999	0	0	0
401430235	2012	5	16	5	C	-999	0	0	0
401430235	2012	5	16	6	V	2.3	1	0.55	238
401430235	2012	5	16	7	C	-999	0	0	0
401430235	2012	5	16	8	V	9.1	0	0.7	160
401430235	2012	5	16	9	V	1.9	1	1.79	216
401430235	2012	5	16	10	V	2.7	0	2.11	215
401430235	2012	5	16	11	V	2.3	0	2.18	190
401430235	2012	5	16	12	V	2.6	0	2.06	197
401430235	2012	5	16	13	V	2.8	0	1.98	180
401430235	2012	5	16	14	V	2.6	0	2.4	184
401430235	2012	5	16	15	V	2.1	0	2.11	209
401430235	2012	5	16	16	V	2.4	0	1.94	198
401430235	2012	5	16	17	V	3.9	0	2.05	232
401430235	2012	5	16	18	V	4.0	1	2.15	212
401430235	2012	5	16	19	V	1.7	0	3.07	184
401430235	2012	5	16	20	V	3.1	0	1.77	201
401430235	2012	5	16	21	V	3.2	0	0.87	228
401430235	2012	5	16	22	V	2.7	0	0.63	258
401430235	2012	5	16	23	C	-999	0	0	0
401430235	2012	5	16	24	V	4.4	0	0.62	287
401430235	2012	5	17	1	V	3.2	0	0.53	272
401430235	2012	5	17	2	V	27.8	0	0.6	320
401430235	2012	5	17	3	V	2.4	1	0.52	272
401430235	2012	5	17	4	V	2.4	0	0.53	272
401430235	2012	5	17	5	V	3.2	0	0.55	254
401430235	2012	5	17	6	V	2.4	1	0.53	260
401430235	2012	5	17	7	V	4.1	1	0.66	195
401430235	2012	5	17	8	V	4.8	0	1.6	149
401430235	2012	5	17	9	V	1.8	0	1.77	180
401430235	2012	5	17	10	V	2.7	0	2.35	189
401430235	2012	5	17	11	V	2.1	0	3.1	200
401430235	2012	5	17	12	V	2.4	0	4.49	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	17	13	V	2.5	0	4.6	183
401430235	2012	5	17	14	V	2.5	0	4.85	182
401430235	2012	5	17	15	V	1.9	0	4.9	186
401430235	2012	5	17	16	V	2.2	0	4.99	179
401430235	2012	5	17	17	V	3.8	0	5.39	175
401430235	2012	5	17	18	V	3.8	0	5.26	161
401430235	2012	5	17	19	V	1.5	0	4.26	165
401430235	2012	5	17	20	V	2.9	0	3.4	163
401430235	2012	5	17	21	V	2.7	0	3.27	171
401430235	2012	5	17	22	V	1.5	0	2.69	183
401430235	2012	5	17	23	V	1.3	0	2.2	188
401430235	2012	5	17	24	V	1.6	0	2.11	197
401430235	2012	5	18	1	V	1.5	0	2.28	195
401430235	2012	5	18	2	V	1.5	0	1.2	197
401430235	2012	5	18	3	V	1.0	0	1.04	214
401430235	2012	5	18	4	V	2.1	0	0.6	214
401430235	2012	5	18	5	V	2.1	0	0.86	159
401430235	2012	5	18	6	V	1.3	0	0.99	185
401430235	2012	5	18	7	V	1.6	0	1.62	159
401430235	2012	5	18	8	V	4.5	0	2.22	169
401430235	2012	5	18	9	V	1.5	-999	4.75	189
401430235	2012	5	18	10	V	2.6	-999	5.94	191
401430235	2012	5	18	11	V	2.1	0	6.52	190
401430235	2012	5	18	12	V	2.3	0	7.86	178
401430235	2012	5	18	13	V	2.4	0	7.01	170
401430235	2012	5	18	14	V	2.4	0	7.42	173
401430235	2012	5	18	15	V	1.8	0	7.69	173
401430235	2012	5	18	16	V	2.1	0	7.32	168
401430235	2012	5	18	17	V	3.7	0	8.13	170
401430235	2012	5	18	18	V	3.8	0	7.48	170
401430235	2012	5	18	19	V	1.5	0	5.97	169
401430235	2012	5	18	20	V	2.9	0	4.85	166
401430235	2012	5	18	21	V	2.7	0	4.78	167
401430235	2012	5	18	22	V	1.4	0	4.9	167
401430235	2012	5	18	23	V	1.1	0	4.7	166
401430235	2012	5	18	24	V	1.5	0	4.17	168
401430235	2012	5	19	1	V	1.4	0	4.05	178
401430235	2012	5	19	2	V	1.0	0	3.37	182
401430235	2012	5	19	3	V	0.5	0	3.12	167
401430235	2012	5	19	4	V	0.6	0	3.24	162
401430235	2012	5	19	5	V	1.4	0	3.47	164
401430235	2012	5	19	6	V	0.5	0	4.56	167
401430235	2012	5	19	7	V	1.2	0	4.41	171
401430235	2012	5	19	8	V	4.0	0	4.65	171
401430235	2012	5	19	9	V	1.4	0	4.44	172
401430235	2012	5	19	10	V	2.5	0	5.62	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	19	11	V	2.0	0	7.2	167
401430235	2012	5	19	12	V	2.2	0	8.93	167
401430235	2012	5	19	13	V	2.4	0	9.19	168
401430235	2012	5	19	14	V	2.4	0	9.32	165
401430235	2012	5	19	15	V	1.7	0	9.51	167
401430235	2012	5	19	16	V	2.0	0	9.36	168
401430235	2012	5	19	17	V	3.7	0	8	167
401430235	2012	5	19	18	V	3.7	0	7.33	168
401430235	2012	5	19	19	V	1.5	0	5.28	169
401430235	2012	5	19	20	V	3.0	0	3.75	179
401430235	2012	5	19	21	V	2.9	0	2.28	189
401430235	2012	5	19	22	V	1.7	0	1.38	200
401430235	2012	5	19	23	V	1.1	0	5.14	178
401430235	2012	5	19	24	V	1.5	0	4.15	183
401430235	2012	5	20	1	V	1.4	0	3.46	184
401430235	2012	5	20	2	V	1.0	0	3.39	179
401430235	2012	5	20	3	V	0.5	0	5.53	171
401430235	2012	5	20	4	V	0.6	0	5.41	196
401430235	2012	5	20	5	V	1.5	0	2.1	286
401430235	2012	5	20	6	V	0.6	0	1.52	79
401430235	2012	5	20	7	V	1.5	0	1.77	171
401430235	2012	5	20	8	V	5.4	0	1.14	218
401430235	2012	5	20	9	V	1.6	0	2.1	231
401430235	2012	5	20	10	V	2.6	0	2.37	258
401430235	2012	5	20	11	V	2.1	0	2.74	263
401430235	2012	5	20	12	V	3.7	0	3	295
401430235	2012	5	20	13	V	5.0	0	2.79	299
401430235	2012	5	20	14	V	4.5	1	3.01	311
401430235	2012	5	20	15	V	2.6	2	2.71	286
401430235	2012	5	20	16	V	2.9	2	1.87	343
401430235	2012	5	20	17	V	4.5	2	1.65	288
401430235	2012	5	20	18	V	4.3	0	1.21	253
401430235	2012	5	20	19	V	1.8	0	0.97	271
401430235	2012	5	20	20	V	3.1	0	1.35	242
401430235	2012	5	20	21	V	2.8	0	1.81	248
401430235	2012	5	20	22	V	1.8	0	0.99	247
401430235	2012	5	20	23	V	2.2	0	0.67	275
401430235	2012	5	20	24	V	7.6	0	0.57	343
401430235	2012	5	21	1	V	1.6	0	1.09	355
401430235	2012	5	21	2	V	1.0	0	1.48	356
401430235	2012	5	21	3	V	12.4	0	1.25	334
401430235	2012	5	21	4	V	0.9	0	1.79	343
401430235	2012	5	21	5	V	1.5	0	1.69	350
401430235	2012	5	21	6	V	0.6	0	1.55	358
401430235	2012	5	21	7	V	1.4	0	2.06	10
401430235	2012	5	21	8	V	4.2	0	2.83	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	21	9	V	3.1	0	3.83	35
401430235	2012	5	21	10	V	2.5	0	4.34	22
401430235	2012	5	21	11	V	2.0	1	4.15	16
401430235	2012	5	21	12	V	2.3	1	4.05	13
401430235	2012	5	21	13	V	2.5	0	3.46	15
401430235	2012	5	21	14	V	2.5	0	3.75	16
401430235	2012	5	21	15	V	1.8	0	3.93	12
401430235	2012	5	21	16	V	2.1	0	3.97	14
401430235	2012	5	21	17	V	3.9	0	4.12	27
401430235	2012	5	21	18	V	3.8	0	3.58	11
401430235	2012	5	21	19	V	1.8	0	3.61	33
401430235	2012	5	21	20	V	2.9	0	2.38	28
401430235	2012	5	21	21	V	3.1	0	0.94	10
401430235	2012	5	21	22	V	2.1	0	0.89	353
401430235	2012	5	21	23	V	3.1	0	0.52	266
401430235	2012	5	21	24	V	2.3	0	0.72	251
401430235	2012	5	22	1	V	3.0	0	0.58	265
401430235	2012	5	22	2	C	-999	0	0	0
401430235	2012	5	22	3	V	15.3	0	0.7	302
401430235	2012	5	22	4	V	8.8	0	1.64	304
401430235	2012	5	22	5	V	8.1	0	0.89	298
401430235	2012	5	22	6	V	2.2	0	0.58	260
401430235	2012	5	22	7	V	5.6	0	0.6	134
401430235	2012	5	22	8	V	4.3	0	2.22	99
401430235	2012	5	22	9	V	1.3	0	3.81	124
401430235	2012	5	22	10	V	2.5	0	3.54	144
401430235	2012	5	22	11	V	2.1	0	3.64	169
401430235	2012	5	22	12	V	2.4	0	3.17	168
401430235	2012	5	22	13	V	2.5	0	3	167
401430235	2012	5	22	14	V	2.5	0	3.32	175
401430235	2012	5	22	15	V	1.9	0	3.68	168
401430235	2012	5	22	16	V	2.1	0	3.98	156
401430235	2012	5	22	17	V	3.8	0	4.1	158
401430235	2012	5	22	18	V	3.8	0	4.16	158
401430235	2012	5	22	19	V	1.5	0	3.81	160
401430235	2012	5	22	20	V	2.9	0	2.91	148
401430235	2012	5	22	21	V	2.7	0	2.74	148
401430235	2012	5	22	22	V	1.4	0	2.52	144
401430235	2012	5	22	23	V	1.1	0	2.84	150
401430235	2012	5	22	24	V	1.5	0	2.45	155
401430235	2012	5	23	1	V	1.3	0	2.42	174
401430235	2012	5	23	2	V	0.9	0	3.52	170
401430235	2012	5	23	3	V	0.5	0	3.15	164
401430235	2012	5	23	4	V	0.6	0	3.86	170
401430235	2012	5	23	5	V	1.4	0	3.51	169
401430235	2012	5	23	6	V	0.5	0	3.54	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	23	7	V	1.1	0	4.12	169
401430235	2012	5	23	8	V	4.0	0	5.75	168
401430235	2012	5	23	9	V	1.3	0	6.91	166
401430235	2012	5	23	10	V	2.4	0	7.09	168
401430235	2012	5	23	11	V	2.0	0	7.3	176
401430235	2012	5	23	12	V	2.3	0	8.1	173
401430235	2012	5	23	13	V	2.4	0	8.96	173
401430235	2012	5	23	14	V	2.4	0	9.18	165
401430235	2012	5	23	15	V	1.7	0	9.25	164
401430235	2012	5	23	16	V	2.0	0	9.56	164
401430235	2012	5	23	17	V	3.7	0	9.39	164
401430235	2012	5	23	18	V	3.7	0	8.13	165
401430235	2012	5	23	19	V	1.5	0	7.28	168
401430235	2012	5	23	20	V	3.0	0	6.11	168
401430235	2012	5	23	21	V	2.7	0	5.07	165
401430235	2012	5	23	22	V	1.4	0	5.31	162
401430235	2012	5	23	23	V	1.1	0	5.39	164
401430235	2012	5	23	24	V	1.5	0	5.16	162
401430235	2012	5	24	1	V	1.3	0	5.51	166
401430235	2012	5	24	2	V	1.0	0	6.35	167
401430235	2012	5	24	3	V	0.5	0	6.84	169
401430235	2012	5	24	4	V	0.6	0	6.65	169
401430235	2012	5	24	5	V	1.5	0	6.77	166
401430235	2012	5	24	6	V	0.6	0	6.86	169
401430235	2012	5	24	7	V	1.1	0	7.43	172
401430235	2012	5	24	8	V	4.0	0	7.4	177
401430235	2012	5	24	9	V	1.4	0	7.91	181
401430235	2012	5	24	10	V	2.6	0	8.15	183
401430235	2012	5	24	11	V	2.0	0	8.01	181
401430235	2012	5	24	12	V	2.3	0	7.38	180
401430235	2012	5	24	13	V	2.4	0	6.94	175
401430235	2012	5	24	14	V	2.5	0	6.97	181
401430235	2012	5	24	15	V	1.8	0	6.79	180
401430235	2012	5	24	16	V	2.2	0	6.52	182
401430235	2012	5	24	17	V	3.7	0	6.11	174
401430235	2012	5	24	18	V	3.8	0	5.43	166
401430235	2012	5	24	19	V	1.5	0	4.82	161
401430235	2012	5	24	20	V	2.9	0	4.27	163
401430235	2012	5	24	21	V	2.7	0	3.59	167
401430235	2012	5	24	22	V	1.4	0	2.62	157
401430235	2012	5	24	23	V	1.1	0	2.37	149
401430235	2012	5	24	24	V	1.5	0	2.98	149
401430235	2012	5	25	1	V	1.3	0	3.1	144
401430235	2012	5	25	2	V	0.9	0	2.73	138
401430235	2012	5	25	3	V	0.5	0	3.73	148
401430235	2012	5	25	4	V	0.6	0	3.71	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	25	5	V	1.4	0	4.09	159
401430235	2012	5	25	6	V	0.5	0	4.17	158
401430235	2012	5	25	7	V	1.1	0	4.48	159
401430235	2012	5	25	8	V	4.0	0	5.77	163
401430235	2012	5	25	9	V	1.3	0	6.89	169
401430235	2012	5	25	10	V	2.5	0	6.38	171
401430235	2012	5	25	11	V	1.9	0	6.13	162
401430235	2012	5	25	12	V	2.2	0	6.6	165
401430235	2012	5	25	13	V	2.4	0	6.23	158
401430235	2012	5	25	14	V	2.4	0	7.01	158
401430235	2012	5	25	15	V	1.7	0	7.04	160
401430235	2012	5	25	16	V	2.0	0	8	161
401430235	2012	5	25	17	V	3.6	0	7.82	160
401430235	2012	5	25	18	V	3.7	0	7.62	169
401430235	2012	5	25	19	V	1.5	0	6.36	168
401430235	2012	5	25	20	V	3.0	0	5.29	170
401430235	2012	5	25	21	V	2.7	0	4.03	166
401430235	2012	5	25	22	V	1.4	0	3.97	172
401430235	2012	5	25	23	V	1.1	0	3.34	167
401430235	2012	5	25	24	V	1.5	0	2.93	169
401430235	2012	5	26	1	V	1.3	0	2.74	162
401430235	2012	5	26	2	V	0.9	0	3.25	159
401430235	2012	5	26	3	V	0.5	0	3.01	167
401430235	2012	5	26	4	V	0.6	0	3.07	174
401430235	2012	5	26	5	V	1.7	0	1.89	196
401430235	2012	5	26	6	V	0.5	0	2.57	172
401430235	2012	5	26	7	V	1.2	0	3.56	171
401430235	2012	5	26	8	V	4.1	0	6.24	180
401430235	2012	5	26	9	V	1.4	0	6.67	183
401430235	2012	5	26	10	V	2.6	0	6.94	183
401430235	2012	5	26	11	V	2.1	0	6.18	183
401430235	2012	5	26	12	V	2.4	0	6.58	184
401430235	2012	5	26	13	V	2.4	0	6.79	176
401430235	2012	5	26	14	V	2.4	0	6.55	170
401430235	2012	5	26	15	V	1.8	0	6.43	167
401430235	2012	5	26	16	V	2.1	0	5.73	169
401430235	2012	5	26	17	V	3.7	0	7.35	173
401430235	2012	5	26	18	V	3.8	0	5.92	167
401430235	2012	5	26	19	V	1.5	0	5.29	167
401430235	2012	5	26	20	V	3.0	0	5.21	175
401430235	2012	5	26	21	V	2.7	0	3.76	173
401430235	2012	5	26	22	V	1.4	0	3.95	168
401430235	2012	5	26	23	V	1.1	0	3.68	170
401430235	2012	5	26	24	V	1.5	0	3.18	173
401430235	2012	5	27	1	V	1.3	0	3.9	169
401430235	2012	5	27	2	V	0.9	0	4.36	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	27	3	V	0.5	0	4.2	169
401430235	2012	5	27	4	V	0.6	0	3.22	172
401430235	2012	5	27	5	V	1.4	0	3.57	162
401430235	2012	5	27	6	V	0.5	0	3.3	169
401430235	2012	5	27	7	V	1.1	0	4.09	170
401430235	2012	5	27	8	V	4.1	0	6.11	178
401430235	2012	5	27	9	V	1.4	0	7.25	186
401430235	2012	5	27	10	V	2.6	0	7.99	183
401430235	2012	5	27	11	V	2.0	0	8.15	181
401430235	2012	5	27	12	V	2.3	0	8.17	180
401430235	2012	5	27	13	V	2.5	0	8.05	183
401430235	2012	5	27	14	V	2.5	0	7.47	186
401430235	2012	5	27	15	V	1.9	0	6.96	186
401430235	2012	5	27	16	V	2.2	0	7.11	191
401430235	2012	5	27	17	V	3.8	0	6.06	179
401430235	2012	5	27	18	V	3.8	0	5.72	172
401430235	2012	5	27	19	V	1.6	0	5.97	175
401430235	2012	5	27	20	V	2.9	0	4.63	169
401430235	2012	5	27	21	V	2.7	0	4.44	171
401430235	2012	5	27	22	V	1.4	0	4.73	171
401430235	2012	5	27	23	V	1.1	0	4.87	168
401430235	2012	5	27	24	V	1.5	0	4.46	172
401430235	2012	5	28	1	V	1.3	0	3.71	166
401430235	2012	5	28	2	V	0.9	0	2.93	162
401430235	2012	5	28	3	V	0.5	0	3.27	167
401430235	2012	5	28	4	V	1.0	0	1.5	190
401430235	2012	5	28	5	V	2.2	0	0.91	200
401430235	2012	5	28	6	V	0.8	0	1.77	189
401430235	2012	5	28	7	V	1.3	0	4.09	188
401430235	2012	5	28	8	V	4.1	0	5.05	190
401430235	2012	5	28	9	V	1.5	0	6.16	189
401430235	2012	5	28	10	V	2.5	0	6.94	197
401430235	2012	5	28	11	V	2.0	0	6.02	209
401430235	2012	5	28	12	V	2.3	0	5.43	213
401430235	2012	5	28	13	V	2.4	0	5.1	212
401430235	2012	5	28	14	V	2.5	0	4.92	208
401430235	2012	5	28	15	V	1.8	0	4.95	208
401430235	2012	5	28	16	V	2.2	0	5.09	201
401430235	2012	5	28	17	V	3.8	0	5.17	197
401430235	2012	5	28	18	V	3.9	0	4.02	205
401430235	2012	5	28	19	V	1.6	0	4.46	172
401430235	2012	5	28	20	V	3.0	0	3.88	168
401430235	2012	5	28	21	V	2.7	0	3.86	167
401430235	2012	5	28	22	V	1.5	0	4.56	178
401430235	2012	5	28	23	V	1.2	0	5.44	200
401430235	2012	5	28	24	V	1.5	0	2.93	259

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	29	1	V	1.4	0	1.84	356
401430235	2012	5	29	2	V	23.0	0	1.28	325
401430235	2012	5	29	3	V	0.8	0	1.04	277
401430235	2012	5	29	4	V	12.6	0	0.86	302
401430235	2012	5	29	5	V	4.9	0	1.09	341
401430235	2012	5	29	6	V	1.6	0	0.75	47
401430235	2012	5	29	7	V	2.0	0	1.31	186
401430235	2012	5	29	8	V	4.7	0	2.03	184
401430235	2012	5	29	9	V	1.9	0	1.87	169
401430235	2012	5	29	10	V	2.7	0	2.61	183
401430235	2012	5	29	11	V	2.2	0	2.57	184
401430235	2012	5	29	12	V	2.5	0	2.57	190
401430235	2012	5	29	13	V	2.6	0	2.18	221
401430235	2012	5	29	14	V	2.7	0	2.2	173
401430235	2012	5	29	15	V	2.0	0	2.54	181
401430235	2012	5	29	16	V	2.2	-999	2.73	154
401430235	2012	5	29	17	V	3.8	-999	3.9	175
401430235	2012	5	29	18	V	3.9	0	4.34	173
401430235	2012	5	29	19	V	1.6	0	3.25	172
401430235	2012	5	29	20	V	3.0	0	3.03	231
401430235	2012	5	29	21	V	2.8	0	4.44	257
401430235	2012	5	29	22	V	1.5	0	3.12	164
401430235	2012	5	29	23	V	1.2	0	5.73	191
401430235	2012	5	29	24	V	1.5	0	3.44	146
401430235	2012	5	30	1	V	1.3	0	3.01	152
401430235	2012	5	30	2	V	1.0	0	1.62	140
401430235	2012	5	30	3	V	0.8	0	1.4	49
401430235	2012	5	30	4	V	0.5	0	2.66	19
401430235	2012	5	30	5	V	1.4	0	3.37	31
401430235	2012	5	30	6	V	0.5	0	3.71	56
401430235	2012	5	30	7	V	1.1	0	4.29	64
401430235	2012	5	30	8	V	4.0	0	3.92	89
401430235	2012	5	30	9	V	1.3	0	4.31	114
401430235	2012	5	30	10	V	2.4	0	4.17	117
401430235	2012	5	30	11	V	1.9	0	4.93	92
401430235	2012	5	30	12	V	2.3	0	4.61	138
401430235	2012	5	30	13	V	2.4	0	4.05	154
401430235	2012	5	30	14	V	2.4	0	4.1	135
401430235	2012	5	30	15	V	1.8	0	4.41	149
401430235	2012	5	30	16	V	2.1	0	3.97	152
401430235	2012	5	30	17	V	3.7	0	3.9	154
401430235	2012	5	30	18	V	3.8	0	4.24	168
401430235	2012	5	30	19	V	1.7	0	3.57	179
401430235	2012	5	30	20	V	3.3	0	1.64	221
401430235	2012	5	30	21	V	3.1	0	1.35	212
401430235	2012	5	30	22	V	1.6	0	1.93	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	5	30	23	V	1.5	0	1.28	213
401430235	2012	5	30	24	V	2.0	0	3.12	291
401430235	2012	5	31	1	V	1.4	0	3.81	4
401430235	2012	5	31	2	V	1.0	0	1.72	52
401430235	2012	5	31	3	V	0.5	0	4.24	81
401430235	2012	5	31	4	V	0.6	0	2.69	356
401430235	2012	5	31	5	V	25.5	0	2.52	315
401430235	2012	5	31	6	V	11.9	0	3.03	329
401430235	2012	5	31	7	V	1.6	0	3.69	344
401430235	2012	5	31	8	V	4.7	0	3.54	346
401430235	2012	5	31	9	V	1.4	0	4.2	355
401430235	2012	5	31	10	V	2.4	0	6.04	6
401430235	2012	5	31	11	V	1.9	0	6.14	1
401430235	2012	5	31	12	V	2.3	0	5.41	359
401430235	2012	5	31	13	V	2.4	0	5.84	358
401430235	2012	5	31	14	V	2.4	0	6.06	1
401430235	2012	5	31	15	V	1.8	0	5.6	355
401430235	2012	5	31	16	V	2.3	0	4.78	353
401430235	2012	5	31	17	V	3.7	0	5.24	3
401430235	2012	5	31	18	V	3.7	0	5.24	359
401430235	2012	5	31	19	V	1.5	0	5.51	2
401430235	2012	5	31	20	V	2.9	0	3.59	357
401430235	2012	5	31	21	V	2.7	0	2.06	3
401430235	2012	5	31	22	V	1.5	0	1.98	360
401430235	2012	5	31	23	V	1.1	0	1.88	352
401430235	2012	5	31	24	V	1.5	0	2.23	359
401430235	2012	6	1	1	V	5.6	0	2.27	355
401430235	2012	6	1	2	V	2.7	0	2.45	359
401430235	2012	6	1	3	V	8.2	0	1.67	338
401430235	2012	6	1	4	V	1.6	0	1.89	342
401430235	2012	6	1	5	V	0.7	0	2.03	6
401430235	2012	6	1	6	V	8.4	0	2.69	15
401430235	2012	6	1	7	V	0.9	0	2.91	16
401430235	2012	6	1	8	V	1.3	0	3.22	18
401430235	2012	6	1	9	V	1.5	0	3.3	25
401430235	2012	6	1	10	V	1.1	0	2.71	7
401430235	2012	6	1	11	V	1.8	0	3.39	27
401430235	2012	6	1	12	V	4.9	0	2.16	338
401430235	2012	6	1	13	V	7.3	0	1.43	331
401430235	2012	6	1	14	V	7.7	0	1.28	322
401430235	2012	6	1	15	V	4.6	0	1.04	344
401430235	2012	6	1	16	V	2.6	0	1.88	93
401430235	2012	6	1	17	V	2.2	0	2.2	123
401430235	2012	6	1	18	V	6.0	0	2.33	182
401430235	2012	6	1	19	V	1.6	0	2.84	168
401430235	2012	6	1	20	V	1.9	0	2.72	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	1	21	V	1.4	0	2.5	173
401430235	2012	6	1	22	V	1.0	0	1.76	159
401430235	2012	6	1	23	V	0.8	0	1.6	63
401430235	2012	6	1	24	V	2.4	0	1.38	52
401430235	2012	6	2	1	V	5.6	0	1.98	30
401430235	2012	6	2	2	V	3.6	0	0.89	193
401430235	2012	6	2	3	V	4.7	0	0.87	250
401430235	2012	6	2	4	V	3.4	0	0.55	283
401430235	2012	6	2	5	V	23.2	0	0.52	324
401430235	2012	6	2	6	V	9.6	0	0.77	43
401430235	2012	6	2	7	V	1.2	0	1.64	139
401430235	2012	6	2	8	V	1.8	0	1.79	161
401430235	2012	6	2	9	V	2.1	0	1.98	186
401430235	2012	6	2	10	V	1.4	0	2.44	184
401430235	2012	6	2	11	V	2.0	0	2.23	182
401430235	2012	6	2	12	V	2.7	0	2.03	213
401430235	2012	6	2	13	V	3.1	0	1.76	276
401430235	2012	6	2	14	V	5.1	5	1.48	290
401430235	2012	6	2	15	V	2.5	10	1.64	268
401430235	2012	6	2	16	V	3.0	2	1.67	5
401430235	2012	6	2	17	V	2.5	0	1.59	74
401430235	2012	6	2	18	V	5.9	0	2.76	113
401430235	2012	6	2	19	V	1.5	0	3.54	130
401430235	2012	6	2	20	V	1.9	0	2.69	157
401430235	2012	6	2	21	V	1.6	0	1.16	138
401430235	2012	6	2	22	V	1.4	0	0.86	4
401430235	2012	6	2	23	V	3.8	0	0.91	42
401430235	2012	6	2	24	V	4.0	0	0.57	110
401430235	2012	6	3	1	V	6.1	0	0.92	219
401430235	2012	6	3	2	V	2.7	0	1.6	116
401430235	2012	6	3	3	V	4.9	0	0.99	172
401430235	2012	6	3	4	V	0.9	0	2.42	230
401430235	2012	6	3	5	V	0.8	0	1.26	243
401430235	2012	6	3	6	V	8.4	0	2.15	101
401430235	2012	6	3	7	V	1.3	0	1.72	65
401430235	2012	6	3	8	V	2.2	0	1.62	189
401430235	2012	6	3	9	V	2.0	0	2.16	204
401430235	2012	6	3	10	V	1.4	0	2.54	188
401430235	2012	6	3	11	V	1.9	0	2.74	173
401430235	2012	6	3	12	V	2.4	0	4.53	181
401430235	2012	6	3	13	V	2.5	0	4.27	226
401430235	2012	6	3	14	V	3.2	0	3.12	231
401430235	2012	6	3	15	V	2.2	0	2.5	227
401430235	2012	6	3	16	V	2.8	0	3.86	188
401430235	2012	6	3	17	V	2.4	0	3.35	193
401430235	2012	6	3	18	V	6.0	0	4.19	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	3	19	V	1.7	0	3.93	179
401430235	2012	6	3	20	V	2.2	0	1.64	190
401430235	2012	6	3	21	V	1.4	0	2.15	177
401430235	2012	6	3	22	V	1.4	0	1.59	193
401430235	2012	6	3	23	V	0.8	0	2.62	188
401430235	2012	6	3	24	V	2.3	0	2.81	172
401430235	2012	6	4	1	V	5.6	0	9.71	19
401430235	2012	6	4	2	V	3.8	0	3.34	35
401430235	2012	6	4	3	V	4.4	0	3.97	140
401430235	2012	6	4	4	V	0.8	0	3.34	57
401430235	2012	6	4	5	V	0.7	0	3.81	99
401430235	2012	6	4	6	V	8.5	0	3.9	186
401430235	2012	6	4	7	V	1.1	0	3.51	192
401430235	2012	6	4	8	V	1.5	0	1.91	257
401430235	2012	6	4	9	V	2.0	0	1.59	213
401430235	2012	6	4	10	V	1.1	0	3.44	217
401430235	2012	6	4	11	V	1.7	0	2.44	235
401430235	2012	6	4	12	V	2.5	0	1.96	252
401430235	2012	6	4	13	V	3.6	0	1.33	283
401430235	2012	6	4	14	V	3.6	0	1.7	8
401430235	2012	6	4	15	V	3.0	0	2.18	351
401430235	2012	6	4	16	V	2.7	0	3.07	2
401430235	2012	6	4	17	V	2.4	0	2.78	1
401430235	2012	6	4	18	V	6.0	0	2.38	1
401430235	2012	6	4	19	V	1.7	0	1.79	358
401430235	2012	6	4	20	V	28.5	0	1.11	322
401430235	2012	6	4	21	V	1.9	0	0.79	273
401430235	2012	6	4	22	M	-999	0	1.03	206
401430235	2012	6	4	23	M	-999	0	1.09	243
401430235	2012	6	4	24	M	-999	0	1.16	241
401430235	2012	6	5	1	M	-999	0	0.57	224
401430235	2012	6	5	2	C	-999	0	0	0
401430235	2012	6	5	3	V	4.9	0	1.31	345
401430235	2012	6	5	4	V	0.8	0	2.35	349
401430235	2012	6	5	5	V	0.7	0	2.25	360
401430235	2012	6	5	6	V	8.4	0	2.16	7
401430235	2012	6	5	7	V	0.9	0	2.79	11
401430235	2012	6	5	8	V	2.8	0	3.45	33
401430235	2012	6	5	9	M	-999	0	3.36	999
401430235	2012	6	5	10	M	-999	0	2.36	999
401430235	2012	6	5	11	V	2.0	0	2.86	357
401430235	2012	6	5	12	V	2.3	0	6.46	28
401430235	2012	6	5	13	V	3.4	0	4.86	41
401430235	2012	6	5	14	V	4.2	0	3.36	346
401430235	2012	6	5	15	V	2.6	0	5.36	46
401430235	2012	6	5	16	V	2.8	0	3.86	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	5	17	V	2.5	0	4.36	50
401430235	2012	6	5	18	V	5.9	0	4.36	56
401430235	2012	6	5	19	V	1.6	0	4.36	53
401430235	2012	6	5	20	V	2.3	0	3.86	48
401430235	2012	6	5	21	V	1.4	0	3.36	55
401430235	2012	6	5	22	V	1.0	0	5.36	64
401430235	2012	6	5	23	V	0.7	0	3.36	80
401430235	2012	6	5	24	C	-999	0	0	0
401430235	2012	6	6	1	V	5.6	0	2.86	89
401430235	2012	6	6	2	V	2.7	0	2.36	108
401430235	2012	6	6	3	V	4.4	0	2.36	89
401430235	2012	6	6	4	V	0.8	0	2.36	103
401430235	2012	6	6	5	V	0.7	0	2.36	115
401430235	2012	6	6	6	V	8.4	0	2.36	104
401430235	2012	6	6	7	V	0.9	0	3.36	89
401430235	2012	6	6	8	V	1.4	0	2.36	98
401430235	2012	6	6	9	M	-999	0	2.86	999
401430235	2012	6	6	10	V	1.0	0	4.86	94
401430235	2012	6	6	11	V	1.6	0	5.96	87
401430235	2012	6	6	12	V	2.3	0	4.86	115
401430235	2012	6	6	13	V	2.5	0	3.36	156
401430235	2012	6	6	14	V	3.2	0	3.86	166
401430235	2012	6	6	15	V	2.3	0	1.76	243
401430235	2012	6	6	16	V	2.7	0	2.86	163
401430235	2012	6	6	17	V	2.2	0	4.36	82
401430235	2012	6	6	18	V	5.9	0	3.36	109
401430235	2012	6	6	19	V	1.6	0	2.36	123
401430235	2012	6	6	20	C	-999	0	0	0
401430235	2012	6	6	21	C	-999	0	0	0
401430235	2012	6	6	22	C	-999	0	0	0
401430235	2012	6	6	23	V	0.8	0	1.76	51
401430235	2012	6	6	24	V	2.3	0	5.36	95
401430235	2012	6	7	1	V	5.6	0	3.86	120
401430235	2012	6	7	2	V	2.7	0	2.86	135
401430235	2012	6	7	3	V	4.4	0	3.86	123
401430235	2012	6	7	4	V	0.8	0	2.86	126
401430235	2012	6	7	5	V	0.7	0	2.36	98
401430235	2012	6	7	6	V	8.4	0	1.76	136
401430235	2012	6	7	7	V	0.9	0	2.86	127
401430235	2012	6	7	8	V	1.3	0	2.86	139
401430235	2012	6	7	9	V	1.4	0	4.36	117
401430235	2012	6	7	10	V	1.0	0	3.36	134
401430235	2012	6	7	11	V	1.6	-999	3.36	130
401430235	2012	6	7	12	M	-999	-999	3.36	999
401430235	2012	6	7	13	V	2.5	0	3.36	123
401430235	2012	6	7	14	V	3.1	-999	3.86	78

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	7	15	V	2.2	0	2.86	123
401430235	2012	6	7	16	C	-999	0	0	0
401430235	2012	6	7	17	V	2.2	0	4.86	74
401430235	2012	6	7	18	V	5.8	0	3.86	64
401430235	2012	6	7	19	V	1.6	0	2.36	83
401430235	2012	6	7	20	V	1.9	0	2.36	58
401430235	2012	6	7	21	V	7.4	0	1.76	39
401430235	2012	6	7	22	C	-999	0	0	0
401430235	2012	6	7	23	C	-999	0	0	0
401430235	2012	6	7	24	C	-999	0	0	0
401430235	2012	6	8	1	C	-999	0	0	0
401430235	2012	6	8	2	C	-999	0	0	0
401430235	2012	6	8	3	V	4.4	0	2.36	16
401430235	2012	6	8	4	C	-999	0	0	0
401430235	2012	6	8	5	C	-999	0	0	0
401430235	2012	6	8	6	C	-999	0	0	0
401430235	2012	6	8	7	C	-999	0	0	0
401430235	2012	6	8	8	V	1.8	0	1.76	151
401430235	2012	6	8	9	V	1.7	0	2.36	136
401430235	2012	6	8	10	V	1.2	0	2.36	124
401430235	2012	6	8	11	V	1.7	0	2.36	119
401430235	2012	6	8	12	V	2.8	0	1.76	61
401430235	2012	6	8	13	C	-999	0	0	0
401430235	2012	6	8	14	M	-999	0	1.76	999
401430235	2012	6	8	15	M	-999	0	1.76	999
401430235	2012	6	8	16	V	2.6	0	3.36	91
401430235	2012	6	8	17	V	2.3	0	2.86	89
401430235	2012	6	8	18	V	5.9	0	2.86	133
401430235	2012	6	8	19	V	1.6	0	2.86	159
401430235	2012	6	8	20	C	-999	1	0	0
401430235	2012	6	8	21	C	-999	1	0	0
401430235	2012	6	8	22	C	-999	0	0	0
401430235	2012	6	8	23	C	-999	0	0	0
401430235	2012	6	8	24	C	-999	0	0	0
401430235	2012	6	9	1	C	-999	0	0	0
401430235	2012	6	9	2	C	-999	0	0	0
401430235	2012	6	9	3	C	-999	0	0	0
401430235	2012	6	9	4	C	-999	0	0	0
401430235	2012	6	9	5	C	-999	0	0	0
401430235	2012	6	9	6	C	-999	0	0	0
401430235	2012	6	9	7	V	1.0	0	2.36	160
401430235	2012	6	9	8	V	1.4	0	3.36	175
401430235	2012	6	9	9	V	1.5	0	3.86	168
401430235	2012	6	9	10	V	1.2	0	4.36	181
401430235	2012	6	9	11	V	1.7	0	4.86	168
401430235	2012	6	9	12	V	2.4	0	4.86	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	9	13	V	2.5	0	6.46	172
401430235	2012	6	9	14	V	3.3	0	6.46	187
401430235	2012	6	9	15	V	2.1	0	6.46	161
401430235	2012	6	9	16	V	2.6	0	6.46	169
401430235	2012	6	9	17	V	2.3	0	6.46	181
401430235	2012	6	9	18	V	5.9	0	4.86	169
401430235	2012	6	9	19	V	1.6	0	3.86	166
401430235	2012	6	9	20	V	2.0	0	2.86	165
401430235	2012	6	9	21	V	1.4	0	2.86	167
401430235	2012	6	9	22	V	1.0	0	2.86	180
401430235	2012	6	9	23	V	0.8	0	3.36	182
401430235	2012	6	9	24	V	2.3	0	3.36	180
401430235	2012	6	10	1	V	5.7	0	4.86	184
401430235	2012	6	10	2	V	2.7	0	3.86	152
401430235	2012	6	10	3	V	4.4	0	3.36	161
401430235	2012	6	10	4	V	0.8	0	4.36	166
401430235	2012	6	10	5	V	0.7	0	2.86	147
401430235	2012	6	10	6	V	8.4	0	3.86	141
401430235	2012	6	10	7	V	0.9	0	5.36	156
401430235	2012	6	10	8	V	1.3	0	5.96	171
401430235	2012	6	10	9	V	1.4	0	7.96	166
401430235	2012	6	10	10	V	1.0	0	6.96	158
401430235	2012	6	10	11	V	1.6	0	7.46	156
401430235	2012	6	10	12	V	2.3	0	7.96	173
401430235	2012	6	10	13	V	2.4	0	7.46	159
401430235	2012	6	10	14	V	3.1	0	9.56	172
401430235	2012	6	10	15	V	2.1	0	7.96	168
401430235	2012	6	10	16	V	2.6	0	7.96	180
401430235	2012	6	10	17	V	2.3	0	6.96	182
401430235	2012	6	10	18	V	5.9	0	6.96	172
401430235	2012	6	10	19	V	1.6	0	4.36	171
401430235	2012	6	10	20	V	1.9	0	4.36	169
401430235	2012	6	10	21	V	1.4	0	4.86	168
401430235	2012	6	10	22	V	1.0	0	2.86	160
401430235	2012	6	10	23	V	0.8	0	3.36	165
401430235	2012	6	10	24	V	2.3	0	3.36	170
401430235	2012	6	11	1	V	5.6	0	3.86	172
401430235	2012	6	11	2	V	2.7	0	3.36	178
401430235	2012	6	11	3	V	4.4	0	2.86	168
401430235	2012	6	11	4	V	0.8	0	1.92	164
401430235	2012	6	11	5	V	0.7	0	2.27	144
401430235	2012	6	11	6	V	8.4	0	1.77	140
401430235	2012	6	11	7	V	1.0	0	3.15	171
401430235	2012	6	11	8	V	1.4	0	4.17	177
401430235	2012	6	11	9	V	1.6	0	4.97	193
401430235	2012	6	11	10	V	1.0	0	4.87	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	11	11	V	1.7	0	2.27	241
401430235	2012	6	11	12	V	3.2	0	1.01	257
401430235	2012	6	11	13	V	3.4	0	1.23	24
401430235	2012	6	11	14	V	3.1	0	4.15	27
401430235	2012	6	11	15	V	2.1	0	4.37	22
401430235	2012	6	11	16	V	2.5	0	4.71	19
401430235	2012	6	11	17	V	2.2	0	5.62	20
401430235	2012	6	11	18	V	6.0	0	4.44	30
401430235	2012	6	11	19	V	2.2	0	4.31	33
401430235	2012	6	11	20	V	2.0	0	2.35	32
401430235	2012	6	11	21	V	4.9	0	1.14	37
401430235	2012	6	11	22	V	6.4	0	1.5	43
401430235	2012	6	11	23	V	0.8	0	1.45	24
401430235	2012	6	11	24	V	2.3	0	2.49	11
401430235	2012	6	12	1	V	5.6	0	1.6	9
401430235	2012	6	12	2	V	2.7	0	3.54	9
401430235	2012	6	12	3	V	4.5	0	2.78	29
401430235	2012	6	12	4	V	0.8	0	1.82	15
401430235	2012	6	12	5	V	0.7	0	1.88	19
401430235	2012	6	12	6	V	8.4	0	2.71	24
401430235	2012	6	12	7	V	1.5	0	3.13	53
401430235	2012	6	12	8	V	1.3	0	4.77	70
401430235	2012	6	12	9	V	1.4	0	5.6	69
401430235	2012	6	12	10	V	1.0	0	7.33	77
401430235	2012	6	12	11	V	1.6	0	6.79	86
401430235	2012	6	12	12	V	2.3	0	4.92	89
401430235	2012	6	12	13	V	2.5	0	3.95	104
401430235	2012	6	12	14	V	3.2	0	2.61	108
401430235	2012	6	12	15	V	2.1	0	3.05	100
401430235	2012	6	12	16	V	2.6	0	3.78	87
401430235	2012	6	12	17	V	2.2	0	4.65	79
401430235	2012	6	12	18	V	5.8	0	4.54	75
401430235	2012	6	12	19	V	1.6	0	3.73	91
401430235	2012	6	12	20	V	1.9	0	2.62	94
401430235	2012	6	12	21	V	1.5	0	1.31	98
401430235	2012	6	12	22	V	2.4	0	0.8	47
401430235	2012	6	12	23	V	0.8	0	4.43	75
401430235	2012	6	12	24	V	2.2	0	2.61	75
401430235	2012	6	13	1	V	5.6	0	2.59	79
401430235	2012	6	13	2	V	2.7	0	2.61	74
401430235	2012	6	13	3	V	4.4	0	3.13	98
401430235	2012	6	13	4	V	0.8	0	1.96	135
401430235	2012	6	13	5	V	1.0	0	1.01	108
401430235	2012	6	13	6	V	36.2	0	0.62	320
401430235	2012	6	13	7	V	1.3	0	1.4	181
401430235	2012	6	13	8	V	1.4	0	2.49	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	13	9	V	1.5	0	2.84	160
401430235	2012	6	13	10	V	1.1	0	3.59	167
401430235	2012	6	13	11	V	1.7	0	3.78	161
401430235	2012	6	13	12	V	2.3	0	4.51	163
401430235	2012	6	13	13	V	2.6	0	5.12	173
401430235	2012	6	13	14	V	3.2	0	4.9	172
401430235	2012	6	13	15	V	2.1	0	4.83	162
401430235	2012	6	13	16	V	2.6	0	5.34	170
401430235	2012	6	13	17	V	2.2	0	4.68	162
401430235	2012	6	13	18	V	5.8	0	4.49	156
401430235	2012	6	13	19	V	1.5	0	4.24	150
401430235	2012	6	13	20	V	1.9	0	3.61	141
401430235	2012	6	13	21	V	1.4	0	2.32	152
401430235	2012	6	13	22	V	1.0	0	2.03	166
401430235	2012	6	13	23	V	2.1	0	0.75	189
401430235	2012	6	13	24	C	-999	0	0	0
401430235	2012	6	14	1	V	7.6	0	0.52	54
401430235	2012	6	14	2	V	3.1	0	1.33	197
401430235	2012	6	14	3	V	4.5	0	1.47	150
401430235	2012	6	14	4	V	0.8	0	1.84	157
401430235	2012	6	14	5	V	0.7	0	1.98	155
401430235	2012	6	14	6	V	8.4	0	1.76	150
401430235	2012	6	14	7	V	1.0	0	2.79	147
401430235	2012	6	14	8	V	1.3	0	4.17	159
401430235	2012	6	14	9	V	1.4	0	5.09	164
401430235	2012	6	14	10	V	1.0	0	5.29	166
401430235	2012	6	14	11	V	1.6	0	5.8	164
401430235	2012	6	14	12	V	2.3	-999	5.65	162
401430235	2012	6	14	13	V	2.5	-999	5.48	162
401430235	2012	6	14	14	V	3.1	0	5.56	161
401430235	2012	6	14	15	V	2.1	0	5.46	165
401430235	2012	6	14	16	V	2.5	0	5.99	160
401430235	2012	6	14	17	V	2.2	0	6.23	164
401430235	2012	6	14	18	V	5.8	0	5.63	164
401430235	2012	6	14	19	V	1.6	0	5.21	169
401430235	2012	6	14	20	V	1.9	0	3.97	165
401430235	2012	6	14	21	V	1.4	0	4.66	169
401430235	2012	6	14	22	V	1.1	0	3.73	184
401430235	2012	6	14	23	V	0.8	0	3.13	180
401430235	2012	6	14	24	V	2.2	0	3.92	172
401430235	2012	6	15	1	V	5.6	0	3.73	175
401430235	2012	6	15	2	V	2.8	0	3.59	197
401430235	2012	6	15	3	V	23.9	0	4.68	310
401430235	2012	6	15	4	V	0.9	0	4.78	15
401430235	2012	6	15	5	V	0.7	0	3.74	53
401430235	2012	6	15	6	V	8.4	0	3.34	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	15	7	V	0.8	0	6.74	150
401430235	2012	6	15	8	V	1.4	0	2.55	258
401430235	2012	6	15	9	V	10.0	0	0.99	318
401430235	2012	6	15	10	V	1.0	0	3.12	260
401430235	2012	6	15	11	V	1.9	0	2.23	275
401430235	2012	6	15	12	V	2.5	0	1.91	258
401430235	2012	6	15	13	V	2.7	0	2.74	214
401430235	2012	6	15	14	V	3.3	0	4.17	190
401430235	2012	6	15	15	V	2.1	0	4.09	166
401430235	2012	6	15	16	V	2.6	0	3.75	156
401430235	2012	6	15	17	V	2.2	0	3.2	145
401430235	2012	6	15	18	V	5.9	0	3.12	111
401430235	2012	6	15	19	V	1.6	0	3.17	118
401430235	2012	6	15	20	V	1.9	0	2.74	123
401430235	2012	6	15	21	V	1.4	0	2.79	144
401430235	2012	6	15	22	V	1.0	0	3.91	165
401430235	2012	6	15	23	V	0.8	0	3.68	176
401430235	2012	6	15	24	V	2.2	0	2.18	162
401430235	2012	6	16	1	V	5.9	0	1.42	184
401430235	2012	6	16	2	V	2.7	0	2.64	170
401430235	2012	6	16	3	V	4.4	0	2.79	179
401430235	2012	6	16	4	V	0.9	0	2.73	187
401430235	2012	6	16	5	V	0.7	0	2.35	167
401430235	2012	6	16	6	V	8.4	0	1.94	177
401430235	2012	6	16	7	V	1.1	0	2.27	168
401430235	2012	6	16	8	V	1.4	0	3.12	152
401430235	2012	6	16	9	V	6.2	0	2.25	334
401430235	2012	6	16	10	V	1.4	0	1.87	89
401430235	2012	6	16	11	V	1.7	0	3.2	142
401430235	2012	6	16	12	V	2.3	0	4.48	166
401430235	2012	6	16	13	V	2.6	0	4.32	174
401430235	2012	6	16	14	V	3.3	0	4.42	184
401430235	2012	6	16	15	V	2.2	0	5.33	188
401430235	2012	6	16	16	V	2.7	0	5.97	193
401430235	2012	6	16	17	V	2.3	0	4.2	204
401430235	2012	6	16	18	V	6.0	0	3.01	206
401430235	2012	6	16	19	V	1.6	0	3.46	172
401430235	2012	6	16	20	V	2.1	0	2.08	192
401430235	2012	6	16	21	V	2.1	0	0.87	181
401430235	2012	6	16	22	V	2.0	0	0.63	242
401430235	2012	6	16	23	V	1.3	0	1.28	190
401430235	2012	6	16	24	V	2.9	0	0.84	214
401430235	2012	6	17	1	V	6.1	0	0.91	211
401430235	2012	6	17	2	V	3.1	0	1.16	200
401430235	2012	6	17	3	V	4.5	0	1.79	173
401430235	2012	6	17	4	V	1.3	0	1.31	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	17	5	V	1.1	0	1.45	187
401430235	2012	6	17	6	V	8.5	0	1.52	161
401430235	2012	6	17	7	V	1.2	0	2.22	168
401430235	2012	6	17	8	V	1.4	0	3.69	175
401430235	2012	6	17	9	V	1.5	0	4.36	176
401430235	2012	6	17	10	V	1.2	0	5.16	183
401430235	2012	6	17	11	V	1.7	0	6.21	183
401430235	2012	6	17	12	V	2.4	0	6.52	187
401430235	2012	6	17	13	V	2.6	0	7.62	189
401430235	2012	6	17	14	V	3.2	0	7.32	193
401430235	2012	6	17	15	V	2.2	0	7.43	186
401430235	2012	6	17	16	V	2.7	0	6.63	189
401430235	2012	6	17	17	V	2.4	0	6.43	189
401430235	2012	6	17	18	V	6.0	0	6.04	184
401430235	2012	6	17	19	V	1.7	0	6.82	180
401430235	2012	6	17	20	V	2.0	0	5.7	182
401430235	2012	6	17	21	V	1.5	0	4.95	181
401430235	2012	6	17	22	V	1.0	0	3.73	176
401430235	2012	6	17	23	V	0.8	0	3.08	181
401430235	2012	6	17	24	V	2.3	0	2.59	186
401430235	2012	6	18	1	V	5.7	0	2.88	185
401430235	2012	6	18	2	V	2.7	0	3.95	186
401430235	2012	6	18	3	V	4.4	0	4.07	186
401430235	2012	6	18	4	V	0.9	0	3.35	187
401430235	2012	6	18	5	V	0.7	0	3.29	180
401430235	2012	6	18	6	V	8.4	0	2.81	166
401430235	2012	6	18	7	V	0.9	0	4.15	171
401430235	2012	6	18	8	V	1.3	0	5.77	177
401430235	2012	6	18	9	V	1.5	0	6.96	177
401430235	2012	6	18	10	V	1.1	0	7.71	180
401430235	2012	6	18	11	V	1.7	0	8.01	179
401430235	2012	6	18	12	V	2.3	0	8.01	178
401430235	2012	6	18	13	V	2.6	0	7.52	178
401430235	2012	6	18	14	V	3.1	0	7.37	169
401430235	2012	6	18	15	V	2.1	0	7.25	170
401430235	2012	6	18	16	V	2.6	0	7.59	170
401430235	2012	6	18	17	V	2.2	0	7.06	173
401430235	2012	6	18	18	V	5.9	0	6.48	172
401430235	2012	6	18	19	V	1.6	0	6.11	174
401430235	2012	6	18	20	V	1.9	0	4.39	179
401430235	2012	6	18	21	V	1.4	0	4.41	177
401430235	2012	6	18	22	V	1.0	0	4.39	170
401430235	2012	6	18	23	V	0.7	0	4.34	170
401430235	2012	6	18	24	V	2.2	0	3.78	173
401430235	2012	6	19	1	V	5.6	0	3.85	172
401430235	2012	6	19	2	V	2.7	0	4.83	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	19	3	V	4.4	0	5.68	169
401430235	2012	6	19	4	V	0.8	0	5.36	169
401430235	2012	6	19	5	V	0.7	0	5.24	171
401430235	2012	6	19	6	V	8.4	0	4.61	171
401430235	2012	6	19	7	V	0.9	0	4.95	168
401430235	2012	6	19	8	V	1.3	0	6.01	170
401430235	2012	6	19	9	V	1.4	0	6.5	170
401430235	2012	6	19	10	V	1.0	0	8.2	173
401430235	2012	6	19	11	V	1.6	0	8.05	170
401430235	2012	6	19	12	V	2.3	0	7.69	173
401430235	2012	6	19	13	V	2.5	0	7.57	173
401430235	2012	6	19	14	V	3.1	0	7.93	174
401430235	2012	6	19	15	V	2.1	0	8.22	172
401430235	2012	6	19	16	V	2.5	0	9.02	172
401430235	2012	6	19	17	V	2.2	0	8.62	172
401430235	2012	6	19	18	V	5.8	0	8.08	168
401430235	2012	6	19	19	V	1.6	0	7.52	172
401430235	2012	6	19	20	V	1.9	0	6.31	174
401430235	2012	6	19	21	V	1.4	0	4.27	171
401430235	2012	6	19	22	V	1.0	0	4.92	166
401430235	2012	6	19	23	V	0.8	0	5.84	170
401430235	2012	6	19	24	V	2.3	0	5.6	174
401430235	2012	6	20	1	V	5.6	0	5.22	172
401430235	2012	6	20	2	V	2.7	0	4.66	169
401430235	2012	6	20	3	V	4.4	0	4.73	166
401430235	2012	6	20	4	V	0.8	0	4.95	171
401430235	2012	6	20	5	V	0.7	0	5.55	172
401430235	2012	6	20	6	V	8.4	0	5.22	175
401430235	2012	6	20	7	V	0.9	0	5.04	169
401430235	2012	6	20	8	V	1.3	0	6.4	173
401430235	2012	6	20	9	V	1.4	0	7.13	173
401430235	2012	6	20	10	V	1.1	0	6.65	177
401430235	2012	6	20	11	V	1.6	0	6.36	169
401430235	2012	6	20	12	V	2.3	0	6.35	169
401430235	2012	6	20	13	V	2.5	0	6.12	176
401430235	2012	6	20	14	V	3.1	0	5.6	163
401430235	2012	6	20	15	V	2.1	-999	6.18	169
401430235	2012	6	20	16	V	2.6	-999	6.41	166
401430235	2012	6	20	17	V	2.2	0	6.67	168
401430235	2012	6	20	18	V	5.8	0	6.89	169
401430235	2012	6	20	19	V	1.6	0	5.55	173
401430235	2012	6	20	20	V	1.9	0	3.76	179
401430235	2012	6	20	21	V	1.4	0	2.5	179
401430235	2012	6	20	22	V	1.0	0	2.69	177
401430235	2012	6	20	23	V	0.8	0	3.01	187
401430235	2012	6	20	24	V	2.3	0	3.29	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	21	1	V	5.7	0	3.1	186
401430235	2012	6	21	2	V	2.8	0	3	187
401430235	2012	6	21	3	V	4.5	0	3.03	196
401430235	2012	6	21	4	V	0.9	0	2.18	197
401430235	2012	6	21	5	V	0.8	0	1.3	228
401430235	2012	6	21	6	V	8.6	0	1.04	257
401430235	2012	6	21	7	V	1.3	0	1.57	64
401430235	2012	6	21	8	V	1.3	0	4.15	99
401430235	2012	6	21	9	V	1.4	0	3.63	99
401430235	2012	6	21	10	V	1.0	0	3.85	146
401430235	2012	6	21	11	V	1.7	0	4.17	175
401430235	2012	6	21	12	V	2.5	0	3.54	187
401430235	2012	6	21	13	V	2.6	0	2.49	223
401430235	2012	6	21	14	V	3.9	0	1.43	272
401430235	2012	6	21	15	V	5.4	0	1.99	319
401430235	2012	6	21	16	V	3.2	0	2.96	351
401430235	2012	6	21	17	V	2.2	0	4.36	10
401430235	2012	6	21	18	V	5.8	0	3.83	10
401430235	2012	6	21	19	V	1.6	0	2.47	4
401430235	2012	6	21	20	V	1.9	0	1.82	10
401430235	2012	6	21	21	V	24.5	0	0.82	328
401430235	2012	6	21	22	V	22.2	0	0.7	329
401430235	2012	6	21	23	V	4.8	0	0.52	286
401430235	2012	6	21	24	V	4.7	0	0.57	283
401430235	2012	6	22	1	V	30.6	0	0.52	320
401430235	2012	6	22	2	V	2.8	0	1.47	15
401430235	2012	6	22	3	V	4.5	0	1.28	355
401430235	2012	6	22	4	V	0.8	0	1.54	1
401430235	2012	6	22	5	V	0.7	0	1.59	360
401430235	2012	6	22	6	V	8.6	0	1.13	1
401430235	2012	6	22	7	V	1.5	0	1.96	22
401430235	2012	6	22	8	V	5.2	0	3.2	43
401430235	2012	6	22	9	V	2.6	0	3.56	49
401430235	2012	6	22	10	V	2.5	0	3.64	48
401430235	2012	6	22	11	V	4.1	0	3.41	42
401430235	2012	6	22	12	V	4.0	0	3.63	42
401430235	2012	6	22	13	V	2.7	0	3.78	56
401430235	2012	6	22	14	V	4.2	0	3.51	44
401430235	2012	6	22	15	V	3.1	0	3.35	40
401430235	2012	6	22	16	V	3.5	0	2.83	41
401430235	2012	6	22	17	V	3.2	0	2.91	40
401430235	2012	6	22	18	V	6.3	0	2.89	51
401430235	2012	6	22	19	V	2.3	0	2.21	48
401430235	2012	6	22	20	V	1.9	0	1.67	14
401430235	2012	6	22	21	V	1.4	0	1.67	9
401430235	2012	6	22	22	V	1.1	0	1.28	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	22	23	V	1.1	0	0.89	16
401430235	2012	6	22	24	V	2.8	0	0.77	252
401430235	2012	6	23	1	C	-999	0	0	0
401430235	2012	6	23	2	C	-999	0	0	0
401430235	2012	6	23	3	V	6.8	0	0.63	286
401430235	2012	6	23	4	C	-999	0	0	0
401430235	2012	6	23	5	C	-999	0	0	0
401430235	2012	6	23	6	V	10.0	0	0.53	238
401430235	2012	6	23	7	V	2.3	0	0.89	200
401430235	2012	6	23	8	V	1.4	0	3.13	172
401430235	2012	6	23	9	V	1.6	0	4.65	183
401430235	2012	6	23	10	V	1.1	0	5.43	179
401430235	2012	6	23	11	V	1.8	0	5.77	190
401430235	2012	6	23	12	V	2.4	0	5.51	189
401430235	2012	6	23	13	V	2.6	0	5.75	198
401430235	2012	6	23	14	V	3.3	0	5.56	193
401430235	2012	6	23	15	V	2.2	0	5.62	183
401430235	2012	6	23	16	V	2.7	0	5.56	188
401430235	2012	6	23	17	V	2.3	0	5.11	176
401430235	2012	6	23	18	V	6.0	0	5.19	182
401430235	2012	6	23	19	V	1.8	0	4.71	185
401430235	2012	6	23	20	V	2.0	0	2.15	202
401430235	2012	6	23	21	V	1.9	0	0.97	216
401430235	2012	6	23	22	V	1.4	0	1.11	204
401430235	2012	6	23	23	V	1.1	0	1.64	192
401430235	2012	6	23	24	V	2.3	0	2.11	204
401430235	2012	6	24	1	V	5.6	0	1.72	206
401430235	2012	6	24	2	V	2.7	0	1.81	205
401430235	2012	6	24	3	V	4.9	0	0.96	206
401430235	2012	6	24	4	C	-999	0	0	0
401430235	2012	6	24	5	C	-999	0	0	0
401430235	2012	6	24	6	C	-999	0	0	0
401430235	2012	6	24	7	C	-999	0	0	0
401430235	2012	6	24	8	V	2.5	0	1.3	175
401430235	2012	6	24	9	V	2.0	0	2.11	177
401430235	2012	6	24	10	V	1.3	0	2.81	209
401430235	2012	6	24	11	V	1.7	0	3	227
401430235	2012	6	24	12	V	2.4	0	2.42	223
401430235	2012	6	24	13	V	2.7	0	2.16	163
401430235	2012	6	24	14	V	3.3	0	2.08	214
401430235	2012	6	24	15	V	2.3	0	2.37	195
401430235	2012	6	24	16	V	2.8	0	2.25	187
401430235	2012	6	24	17	V	2.4	0	2.74	181
401430235	2012	6	24	18	V	6.1	0	2.64	195
401430235	2012	6	24	19	V	1.7	0	2.96	176
401430235	2012	6	24	20	V	2.1	0	1.65	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	24	21	V	2.3	0	0.6	244
401430235	2012	6	24	22	V	14.8	0	0.55	300
401430235	2012	6	24	23	C	-999	0	0	0
401430235	2012	6	24	24	V	3.5	0	0.58	258
401430235	2012	6	25	1	C	-999	0	0	0
401430235	2012	6	25	2	V	3.7	0	0.62	252
401430235	2012	6	25	3	C	-999	0	0	0
401430235	2012	6	25	4	M	-999	0	0.65	224
401430235	2012	6	25	5	M	-999	0	0.86	224
401430235	2012	6	25	6	M	-999	0	0.52	270
401430235	2012	6	25	7	M	-999	0	0.79	220
401430235	2012	6	25	8	M	-999	0	1.04	236
401430235	2012	6	25	9	M	-999	0	1.18	235
401430235	2012	6	25	10	M	-999	0	1.82	228
401430235	2012	6	25	11	M	-999	0	2.11	233
401430235	2012	6	25	12	M	-999	0	2.5	226
401430235	2012	6	25	13	M	-999	0	2.18	217
401430235	2012	6	25	14	M	-999	0	1.87	237
401430235	2012	6	25	15	M	-999	0	1.94	253
401430235	2012	6	25	16	M	-999	0	1.59	264
401430235	2012	6	25	17	M	-999	0	1.35	256
401430235	2012	6	25	18	M	-999	0	1.4	226
401430235	2012	6	25	19	M	-999	0	1.21	222
401430235	2012	6	25	20	V	4.3	0	1.26	298
401430235	2012	6	25	21	V	2.1	0	0.79	148
401430235	2012	6	25	22	V	2.4	0	0.62	86
401430235	2012	6	25	23	C	-999	0	0	0
401430235	2012	6	25	24	V	3.1	0	0.67	240
401430235	2012	6	26	1	C	-999	0	0	0
401430235	2012	6	26	2	C	-999	0	0	0
401430235	2012	6	26	3	C	-999	0	0	0
401430235	2012	6	26	4	C	-999	0	0	0
401430235	2012	6	26	5	V	1.9	0	0.58	264
401430235	2012	6	26	6	C	-999	0	0	0
401430235	2012	6	26	7	V	4.0	0	0.63	234
401430235	2012	6	26	8	V	1.5	0	2.54	158
401430235	2012	6	26	9	V	1.4	0	3.76	153
401430235	2012	6	26	10	V	1.1	0	3.34	152
401430235	2012	6	26	11	V	1.8	0	2.79	164
401430235	2012	6	26	12	V	2.5	-999	2.38	152
401430235	2012	6	26	13	V	2.7	-999	2.32	166
401430235	2012	6	26	14	V	3.2	0	3.13	118
401430235	2012	6	26	15	V	2.2	0	2.39	126
401430235	2012	6	26	16	V	2.7	0	2.67	161
401430235	2012	6	26	17	V	2.4	0	3.17	171
401430235	2012	6	26	18	V	5.9	0	3.05	148

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	26	19	V	1.6	0	2.93	162
401430235	2012	6	26	20	V	1.9	0	2.93	140
401430235	2012	6	26	21	V	1.4	0	2.89	148
401430235	2012	6	26	22	V	1.0	0	3.32	158
401430235	2012	6	26	23	V	1.0	0	1.79	192
401430235	2012	6	26	24	V	2.6	0	1.2	211
401430235	2012	6	27	1	V	5.9	0	1.5	185
401430235	2012	6	27	2	V	2.8	0	1.57	146
401430235	2012	6	27	3	V	4.4	0	3.08	167
401430235	2012	6	27	4	V	0.8	0	3.1	167
401430235	2012	6	27	5	V	0.7	0	3.64	169
401430235	2012	6	27	6	V	8.4	0	3.4	169
401430235	2012	6	27	7	V	1.0	0	3.03	170
401430235	2012	6	27	8	V	1.4	0	4.02	172
401430235	2012	6	27	9	V	1.5	0	5	180
401430235	2012	6	27	10	V	1.2	0	5.05	188
401430235	2012	6	27	11	V	1.8	0	5.22	192
401430235	2012	6	27	12	V	2.5	0	5.41	189
401430235	2012	6	27	13	V	2.6	0	5.41	189
401430235	2012	6	27	14	V	3.2	0	5.12	199
401430235	2012	6	27	15	V	2.2	0	4.93	192
401430235	2012	6	27	16	V	2.7	0	4.66	186
401430235	2012	6	27	17	V	2.4	0	4.63	186
401430235	2012	6	27	18	V	5.9	0	5.04	167
401430235	2012	6	27	19	V	1.6	0	4.41	168
401430235	2012	6	27	20	V	1.9	0	3.34	172
401430235	2012	6	27	21	V	1.5	0	1.62	209
401430235	2012	6	27	22	V	1.1	0	2.16	202
401430235	2012	6	27	23	V	0.7	0	2.57	204
401430235	2012	6	27	24	V	2.4	0	1.52	202
401430235	2012	6	28	1	V	34.1	0	0.62	318
401430235	2012	6	28	2	C	-999	0	0	0
401430235	2012	6	28	3	V	27.9	0	0.52	323
401430235	2012	6	28	4	V	2.2	0	0.57	242
401430235	2012	6	28	5	V	1.9	0	0.6	222
401430235	2012	6	28	6	V	33.9	0	0.57	322
401430235	2012	6	28	7	C	-999	0	0	0
401430235	2012	6	28	8	V	1.6	0	2.64	195
401430235	2012	6	28	9	V	1.6	0	4.02	188
401430235	2012	6	28	10	V	1.2	0	3.97	189
401430235	2012	6	28	11	V	1.7	0	4.37	205
401430235	2012	6	28	12	V	2.4	0	5.44	196
401430235	2012	6	28	13	V	2.6	0	5.68	186
401430235	2012	6	28	14	V	3.3	0	6.19	184
401430235	2012	6	28	15	V	2.1	0	5.09	207
401430235	2012	6	28	16	V	2.7	0	5.27	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	28	17	V	2.4	0	5.14	195
401430235	2012	6	28	18	V	6.0	0	5.51	188
401430235	2012	6	28	19	V	1.8	0	5.04	192
401430235	2012	6	28	20	V	1.9	0	2.54	203
401430235	2012	6	28	21	V	1.9	0	1.28	213
401430235	2012	6	28	22	V	1.1	0	2.61	196
401430235	2012	6	28	23	V	0.8	0	2.9	202
401430235	2012	6	28	24	V	2.3	0	2.32	205
401430235	2012	6	29	1	V	5.7	0	3.39	196
401430235	2012	6	29	2	V	2.8	0	3.56	209
401430235	2012	6	29	3	V	4.4	0	2.93	207
401430235	2012	6	29	4	V	0.8	0	2.37	202
401430235	2012	6	29	5	V	0.8	0	1.65	209
401430235	2012	6	29	6	V	8.8	0	2.01	220
401430235	2012	6	29	7	V	1.5	0	1.38	191
401430235	2012	6	29	8	V	1.6	0	2.47	195
401430235	2012	6	29	9	V	1.4	0	4.97	215
401430235	2012	6	29	10	V	1.0	0	5.65	211
401430235	2012	6	29	11	V	1.7	-999	6.16	199
401430235	2012	6	29	12	V	2.3	-999	5.84	208
401430235	2012	6	29	13	V	2.6	0	5.73	201
401430235	2012	6	29	14	V	3.3	0	5.58	193
401430235	2012	6	29	15	V	2.2	0	5.46	190
401430235	2012	6	29	16	V	2.7	0	5.73	185
401430235	2012	6	29	17	V	2.4	0	5.56	188
401430235	2012	6	29	18	V	6.0	0	5.63	194
401430235	2012	6	29	19	V	1.7	0	4.68	200
401430235	2012	6	29	20	V	2.0	0	2.38	209
401430235	2012	6	29	21	V	1.6	0	1.84	195
401430235	2012	6	29	22	V	1.1	0	2.49	200
401430235	2012	6	29	23	V	0.8	0	3.44	189
401430235	2012	6	29	24	V	2.3	0	2.61	189
401430235	2012	6	30	1	V	5.7	0	3.4	185
401430235	2012	6	30	2	V	2.8	0	2.52	192
401430235	2012	6	30	3	V	5.0	0	1.81	214
401430235	2012	6	30	4	V	1.4	0	1.33	216
401430235	2012	6	30	5	V	1.0	0	1.25	202
401430235	2012	6	30	6	V	8.7	0	1.5	196
401430235	2012	6	30	7	V	1.3	0	2.13	189
401430235	2012	6	30	8	V	1.4	0	3.2	205
401430235	2012	6	30	9	V	1.5	0	3.92	218
401430235	2012	6	30	10	V	1.1	0	4.03	215
401430235	2012	6	30	11	V	1.7	0	4.7	202
401430235	2012	6	30	12	V	2.4	0	4.83	192
401430235	2012	6	30	13	V	2.6	0	4.92	188
401430235	2012	6	30	14	V	3.3	0	5.05	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	6	30	15	V	2.2	0	4.99	180
401430235	2012	6	30	16	V	2.7	0	5.28	186
401430235	2012	6	30	17	V	2.4	0	5.5	185
401430235	2012	6	30	18	V	5.9	0	5.85	174
401430235	2012	6	30	19	V	1.6	0	5.16	172
401430235	2012	6	30	20	V	1.9	0	3.95	172
401430235	2012	6	30	21	V	1.5	0	2.49	196
401430235	2012	6	30	22	V	1.1	0	2.32	198
401430235	2012	6	30	23	V	0.7	0	2.43	207
401430235	2012	6	30	24	V	2.3	0	1.99	206
401430235	2012	7	1	1	V	6.5	0	0.69	218
401430235	2012	7	1	2	V	4.7	0	0.58	198
401430235	2012	7	1	3	V	4.6	0	1.06	237
401430235	2012	7	1	4	V	1.5	0	0.69	269
401430235	2012	7	1	5	V	1.8	0	0.74	175
401430235	2012	7	1	6	V	9.1	0	0.86	205
401430235	2012	7	1	7	V	1.6	0	1.57	202
401430235	2012	7	1	8	V	1.6	0	2.5	201
401430235	2012	7	1	9	V	1.5	0	3	225
401430235	2012	7	1	10	V	1.2	0	3.27	205
401430235	2012	7	1	11	V	1.7	0	4.65	184
401430235	2012	7	1	12	V	2.4	0	4.87	189
401430235	2012	7	1	13	V	2.6	0	4.97	177
401430235	2012	7	1	14	V	3.2	0	5.09	171
401430235	2012	7	1	15	V	2.2	0	4.66	179
401430235	2012	7	1	16	V	2.7	0	5.51	188
401430235	2012	7	1	17	V	2.3	0	5.43	176
401430235	2012	7	1	18	V	6.0	0	5.68	186
401430235	2012	7	1	19	V	1.8	0	4.97	187
401430235	2012	7	1	20	V	2.0	0	4.77	181
401430235	2012	7	1	21	V	1.5	0	4.03	185
401430235	2012	7	1	22	V	1.0	0	3.1	180
401430235	2012	7	1	23	V	0.8	0	4.53	195
401430235	2012	7	1	24	V	2.3	0	4.63	198
401430235	2012	7	2	1	V	5.6	0	3.15	204
401430235	2012	7	2	2	V	2.7	0	2.59	186
401430235	2012	7	2	3	V	4.4	0	2.59	178
401430235	2012	7	2	4	V	0.9	0	3.08	185
401430235	2012	7	2	5	V	0.8	0	2.39	194
401430235	2012	7	2	6	V	8.5	0	2.54	188
401430235	2012	7	2	7	V	1.1	0	3.08	192
401430235	2012	7	2	8	V	1.5	0	3.25	188
401430235	2012	7	2	9	V	1.6	0	4.46	185
401430235	2012	7	2	10	V	1.1	0	5.24	195
401430235	2012	7	2	11	V	1.7	0	5.77	191
401430235	2012	7	2	12	V	2.4	0	5.7	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	2	13	V	2.6	0	5.97	193
401430235	2012	7	2	14	V	3.2	0	5.5	195
401430235	2012	7	2	15	V	2.2	0	4.61	189
401430235	2012	7	2	16	V	2.7	0	5.9	197
401430235	2012	7	2	17	V	2.3	0	6.58	192
401430235	2012	7	2	18	V	6.0	0	6.18	188
401430235	2012	7	2	19	V	1.7	0	5.05	178
401430235	2012	7	2	20	V	2.0	0	4.58	182
401430235	2012	7	2	21	V	1.5	0	3.46	182
401430235	2012	7	2	22	V	1.1	0	2.86	184
401430235	2012	7	2	23	V	1.1	0	1.64	192
401430235	2012	7	2	24	V	2.4	0	2.5	193
401430235	2012	7	3	1	V	5.7	0	3.2	191
401430235	2012	7	3	2	V	2.8	0	3.51	187
401430235	2012	7	3	3	V	4.4	0	2.52	183
401430235	2012	7	3	4	V	0.8	0	2.4	181
401430235	2012	7	3	5	V	0.8	0	2.06	199
401430235	2012	7	3	6	V	8.4	0	2.25	180
401430235	2012	7	3	7	V	1.1	0	3.03	177
401430235	2012	7	3	8	V	1.4	0	3.47	200
401430235	2012	7	3	9	V	1.5	0	4.78	205
401430235	2012	7	3	10	V	1.1	0	4.65	211
401430235	2012	7	3	11	V	1.7	0	5.19	197
401430235	2012	7	3	12	V	2.4	0	5.82	196
401430235	2012	7	3	13	V	2.6	0	5.7	197
401430235	2012	7	3	14	V	3.2	0	6.07	199
401430235	2012	7	3	15	V	2.2	0	6.89	194
401430235	2012	7	3	16	V	2.7	0	6.62	188
401430235	2012	7	3	17	V	2.3	0	6.24	192
401430235	2012	7	3	18	V	6.0	0	5.33	201
401430235	2012	7	3	19	V	1.7	1	5.05	195
401430235	2012	7	3	20	V	1.9	0	2.21	206
401430235	2012	7	3	21	V	1.5	1	1.6	204
401430235	2012	7	3	22	V	1.1	1	2.69	199
401430235	2012	7	3	23	V	0.8	0	3.32	195
401430235	2012	7	3	24	V	2.3	0	2.91	198
401430235	2012	7	4	1	V	5.7	0	2.3	192
401430235	2012	7	4	2	V	2.8	0	1.89	198
401430235	2012	7	4	3	V	4.5	0	2.11	188
401430235	2012	7	4	4	V	0.9	0	2.36	198
401430235	2012	7	4	5	V	0.8	0	2.04	198
401430235	2012	7	4	6	V	8.6	0	1.42	211
401430235	2012	7	4	7	V	1.1	0	2.89	191
401430235	2012	7	4	8	V	1.4	0	4.34	197
401430235	2012	7	4	9	V	1.5	0	4.51	198
401430235	2012	7	4	10	V	1.1	0	5.89	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	4	11	V	1.7	0	6.36	188
401430235	2012	7	4	12	V	2.4	0	6.55	196
401430235	2012	7	4	13	V	2.6	0	6.46	190
401430235	2012	7	4	14	V	3.2	0	6.16	190
401430235	2012	7	4	15	V	2.2	0	5.75	199
401430235	2012	7	4	16	V	2.7	0	5.75	198
401430235	2012	7	4	17	V	2.4	0	5.02	193
401430235	2012	7	4	18	V	6.0	0	5.07	186
401430235	2012	7	4	19	V	1.7	0	4.39	183
401430235	2012	7	4	20	V	1.9	0	3.54	173
401430235	2012	7	4	21	V	1.4	0	3.29	176
401430235	2012	7	4	22	V	1.1	0	2.89	201
401430235	2012	7	4	23	V	0.8	0	2.81	199
401430235	2012	7	4	24	V	2.4	0	2.5	194
401430235	2012	7	5	1	V	5.7	0	2.98	194
401430235	2012	7	5	2	V	2.7	0	2.57	201
401430235	2012	7	5	3	V	4.7	0	1.42	212
401430235	2012	7	5	4	V	4.6	0	0.63	346
401430235	2012	7	5	5	C	-999	0	0	0
401430235	2012	7	5	6	V	9.0	0	0.75	224
401430235	2012	7	5	7	V	1.7	0	1.38	164
401430235	2012	7	5	8	V	1.5	0	3.42	185
401430235	2012	7	5	9	V	1.6	0	3.81	187
401430235	2012	7	5	10	V	1.2	0	4.9	193
401430235	2012	7	5	11	V	1.7	0	5.6	189
401430235	2012	7	5	12	V	2.4	0	4.66	191
401430235	2012	7	5	13	V	2.6	0	4.8	188
401430235	2012	7	5	14	V	3.2	0	5.05	195
401430235	2012	7	5	15	V	2.2	0	4.78	182
401430235	2012	7	5	16	V	2.6	0	5	168
401430235	2012	7	5	17	V	2.3	0	5	178
401430235	2012	7	5	18	V	6.0	0	4.02	190
401430235	2012	7	5	19	V	1.8	0	3.78	193
401430235	2012	7	5	20	V	1.9	0	2.49	183
401430235	2012	7	5	21	V	2.0	0	1.23	216
401430235	2012	7	5	22	V	1.6	0	1.31	215
401430235	2012	7	5	23	V	1.3	0	1.28	218
401430235	2012	7	5	24	V	2.8	0	1.23	215
401430235	2012	7	6	1	V	7.1	0	0.55	253
401430235	2012	7	6	2	V	4.0	0	0.58	219
401430235	2012	7	6	3	V	17.3	0	0.58	335
401430235	2012	7	6	4	V	21.5	0	0.55	327
401430235	2012	7	6	5	V	4.4	0	0.53	286
401430235	2012	7	6	6	C	-999	0	0	0
401430235	2012	7	6	7	V	1.9	0	1.23	205
401430235	2012	7	6	8	V	2.0	0	1.74	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	6	9	V	1.5	0	3.27	210
401430235	2012	7	6	10	V	1.1	0	3.54	209
401430235	2012	7	6	11	V	1.8	0	2.56	183
401430235	2012	7	6	12	V	2.4	0	3.29	173
401430235	2012	7	6	13	V	2.6	-999	3.88	178
401430235	2012	7	6	14	V	3.2	-999	3.9	170
401430235	2012	7	6	15	V	2.2	0	4.34	164
401430235	2012	7	6	16	V	2.7	0	2.9	187
401430235	2012	7	6	17	V	2.4	0	3.29	186
401430235	2012	7	6	18	V	6.0	0	2.35	225
401430235	2012	7	6	19	V	1.7	0	1.82	231
401430235	2012	7	6	20	V	2.1	0	1.06	229
401430235	2012	7	6	21	V	1.9	0	0.8	226
401430235	2012	7	6	22	V	2.7	0	0.57	164
401430235	2012	7	6	23	V	1.3	0	0.75	267
401430235	2012	7	6	24	V	3.0	0	0.72	221
401430235	2012	7	7	1	V	7.6	0	0.53	171
401430235	2012	7	7	2	V	3.3	0	0.91	202
401430235	2012	7	7	3	V	4.8	0	0.86	244
401430235	2012	7	7	4	V	20.0	0	1.04	330
401430235	2012	7	7	5	V	1.0	0	0.91	247
401430235	2012	7	7	6	V	8.9	0	0.97	205
401430235	2012	7	7	7	V	3.3	0	0.77	248
401430235	2012	7	7	8	V	2.0	0	1.38	150
401430235	2012	7	7	9	V	1.4	0	4.1	89
401430235	2012	7	7	10	V	1.1	0	2.76	141
401430235	2012	7	7	11	V	2.0	0	1.6	155
401430235	2012	7	7	12	V	2.5	0	1.81	236
401430235	2012	7	7	13	V	2.8	0	1.94	227
401430235	2012	7	7	14	V	3.3	0	2.59	223
401430235	2012	7	7	15	V	2.2	0	2.78	225
401430235	2012	7	7	16	V	2.8	0	2.67	191
401430235	2012	7	7	17	V	2.4	0	3.85	179
401430235	2012	7	7	18	V	6.0	0	3.51	183
401430235	2012	7	7	19	V	1.8	0	2.66	177
401430235	2012	7	7	20	V	2.0	0	1.42	155
401430235	2012	7	7	21	V	2.5	0	0.53	261
401430235	2012	7	7	22	V	1.0	0	2.3	54
401430235	2012	7	7	23	V	0.7	0	2.18	52
401430235	2012	7	7	24	V	3.7	0	0.63	354
401430235	2012	7	8	1	V	14.5	0	0.97	301
401430235	2012	7	8	2	V	3.2	0	1.21	219
401430235	2012	7	8	3	V	5.1	0	0.7	274
401430235	2012	7	8	4	V	0.8	0	1.79	357
401430235	2012	7	8	5	V	2.3	0	0.67	351
401430235	2012	7	8	6	V	8.8	0	1.14	220

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	8	7	V	2.2	0	1.01	248
401430235	2012	7	8	8	V	2.3	0	1.64	181
401430235	2012	7	8	9	V	8.0	0	1.31	313
401430235	2012	7	8	10	V	1.9	0	1.09	2
401430235	2012	7	8	11	V	2.2	0	1.54	22
401430235	2012	7	8	12	V	2.9	0	1.13	346
401430235	2012	7	8	13	V	3.0	0	1.59	18
401430235	2012	7	8	14	V	3.4	0	2.71	12
401430235	2012	7	8	15	V	2.2	0	3.81	12
401430235	2012	7	8	16	V	3.5	0	3.2	348
401430235	2012	7	8	17	V	3.6	0	2.49	341
401430235	2012	7	8	18	V	6.7	0	2.2	356
401430235	2012	7	8	19	V	4.0	0	1.2	327
401430235	2012	7	8	20	V	2.4	0	2.3	219
401430235	2012	7	8	21	V	1.4	0	3.57	139
401430235	2012	7	8	22	V	1.0	0	2.2	171
401430235	2012	7	8	23	V	0.7	0	2.52	106
401430235	2012	7	8	24	V	2.3	0	1.77	117
401430235	2012	7	9	1	V	5.6	0	2.28	179
401430235	2012	7	9	2	V	3.0	0	0.92	236
401430235	2012	7	9	3	V	5.5	0	0.62	26
401430235	2012	7	9	4	V	5.2	0	0.67	344
401430235	2012	7	9	5	V	0.7	0	1.74	56
401430235	2012	7	9	6	V	8.4	0	1.64	89
401430235	2012	7	9	7	V	1.1	0	2.01	120
401430235	2012	7	9	8	V	2.0	0	1.53	154
401430235	2012	7	9	9	V	2.6	0	1.26	196
401430235	2012	7	9	10	V	1.6	0	1.48	94
401430235	2012	7	9	11	V	1.9	0	3.64	53
401430235	2012	7	9	12	V	2.8	0	3.98	41
401430235	2012	7	9	13	V	2.9	0	4.15	48
401430235	2012	7	9	14	V	3.4	0	5.55	48
401430235	2012	7	9	15	V	2.4	0	5.43	48
401430235	2012	7	9	16	V	2.9	0	5.16	46
401430235	2012	7	9	17	V	2.2	0	6.09	61
401430235	2012	7	9	18	V	5.9	0	5.75	53
401430235	2012	7	9	19	V	1.6	0	4.75	56
401430235	2012	7	9	20	V	1.9	0	4.63	55
401430235	2012	7	9	21	V	1.4	0	4.56	65
401430235	2012	7	9	22	V	1.0	0	3.81	77
401430235	2012	7	9	23	V	0.8	0	2.67	96
401430235	2012	7	9	24	V	2.3	0	1.7	171
401430235	2012	7	10	1	V	6.0	0	0.8	242
401430235	2012	7	10	2	V	35.0	0	1.01	319
401430235	2012	7	10	3	V	14.6	0	0.8	337
401430235	2012	7	10	4	V	0.8	0	1.89	101

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	10	5	V	0.8	0	1.28	88
401430235	2012	7	10	6	V	10.0	0	0.58	68
401430235	2012	7	10	7	V	2.7	0	1.14	29
401430235	2012	7	10	8	V	1.8	0	2.04	22
401430235	2012	7	10	9	V	3.8	0	3.37	37
401430235	2012	7	10	10	V	2.1	0	3.98	36
401430235	2012	7	10	11	V	2.6	0	4.54	39
401430235	2012	7	10	12	V	2.3	0	4.48	22
401430235	2012	7	10	13	V	2.6	0	3.8	6
401430235	2012	7	10	14	V	3.1	0	5.11	20
401430235	2012	7	10	15	V	2.1	0	5.33	18
401430235	2012	7	10	16	V	2.7	0	5.19	27
401430235	2012	7	10	17	V	2.4	0	5.04	30
401430235	2012	7	10	18	V	6.0	0	5.05	31
401430235	2012	7	10	19	V	1.6	0	3.83	20
401430235	2012	7	10	20	V	2.0	0	2.96	18
401430235	2012	7	10	21	V	1.4	0	1.77	2
401430235	2012	7	10	22	V	1.0	0	1.82	352
401430235	2012	7	10	23	V	1.0	0	0.99	18
401430235	2012	7	10	24	V	2.5	0	1.09	7
401430235	2012	7	11	1	V	5.6	0	1.89	175
401430235	2012	7	11	2	V	3.3	0	0.79	217
401430235	2012	7	11	3	V	6.6	0	0.53	279
401430235	2012	7	11	4	V	19.2	0	0.52	329
401430235	2012	7	11	5	V	2.8	0	0.77	347
401430235	2012	7	11	6	V	8.6	0	1.06	5
401430235	2012	7	11	7	V	3.5	0	0.96	356
401430235	2012	7	11	8	V	1.7	0	1.94	16
401430235	2012	7	11	9	V	2.4	0	2.08	46
401430235	2012	7	11	10	V	1.4	0	2.3	61
401430235	2012	7	11	11	V	2.4	0	2.66	36
401430235	2012	7	11	12	V	2.7	0	3.2	34
401430235	2012	7	11	13	V	2.8	0	3.57	51
401430235	2012	7	11	14	V	3.4	0	4.41	52
401430235	2012	7	11	15	V	2.4	0	4.87	46
401430235	2012	7	11	16	V	2.9	0	4.56	43
401430235	2012	7	11	17	V	2.4	0	5.12	50
401430235	2012	7	11	18	V	6.1	0	4.68	50
401430235	2012	7	11	19	V	1.7	0	4.37	51
401430235	2012	7	11	20	V	1.9	0	2.96	51
401430235	2012	7	11	21	V	7.5	0	1.52	41
401430235	2012	7	11	22	V	1.2	0	1.16	353
401430235	2012	7	11	23	C	-999	0	0	0
401430235	2012	7	11	24	C	-999	0	0	0
401430235	2012	7	12	1	C	-999	0	0	0
401430235	2012	7	12	2	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	12	3	V	5.5	0	0.74	174
401430235	2012	7	12	4	V	1.3	0	0.8	226
401430235	2012	7	12	5	V	2.1	0	0.57	247
401430235	2012	7	12	6	V	18.6	0	0.63	298
401430235	2012	7	12	7	V	1.8	0	1.16	88
401430235	2012	7	12	8	V	3.0	0	1.14	176
401430235	2012	7	12	9	V	4.2	0	1.04	286
401430235	2012	7	12	10	V	1.3	0	2.2	68
401430235	2012	7	12	11	V	1.8	0	2.35	82
401430235	2012	7	12	12	V	2.3	0	3.76	83
401430235	2012	7	12	13	V	2.5	0	4.12	72
401430235	2012	7	12	14	V	3.2	0	3.98	91
401430235	2012	7	12	15	V	2.2	0	3.34	117
401430235	2012	7	12	16	V	2.8	0	2.67	59
401430235	2012	7	12	17	V	2.3	0	2.81	115
401430235	2012	7	12	18	V	6.0	0	2.56	108
401430235	2012	7	12	19	V	1.7	0	2.1	108
401430235	2012	7	12	20	V	1.9	0	1.86	74
401430235	2012	7	12	21	V	1.6	0	1.4	172
401430235	2012	7	12	22	V	5.9	0	0.6	291
401430235	2012	7	12	23	V	2.2	0	0.55	226
401430235	2012	7	12	24	V	2.4	0	1.62	180
401430235	2012	7	13	1	V	5.6	0	2.33	159
401430235	2012	7	13	2	V	3.2	0	1.42	193
401430235	2012	7	13	3	V	4.6	0	1.33	203
401430235	2012	7	13	4	V	1.1	0	0.96	225
401430235	2012	7	13	5	V	1.8	0	0.6	224
401430235	2012	7	13	6	V	9.1	0	0.74	220
401430235	2012	7	13	7	V	1.8	0	1.3	207
401430235	2012	7	13	8	V	1.6	0	2.49	196
401430235	2012	7	13	9	V	1.6	0	2.84	198
401430235	2012	7	13	10	V	1.3	0	2.08	223
401430235	2012	7	13	11	V	2.1	-999	1.72	175
401430235	2012	7	13	12	V	2.7	-999	1.76	99
401430235	2012	7	13	13	V	2.9	0	1.91	83
401430235	2012	7	13	14	V	3.3	0	2.37	84
401430235	2012	7	13	15	V	2.2	0	2.71	118
401430235	2012	7	13	16	V	2.7	0	2.72	121
401430235	2012	7	13	17	V	2.2	0	7.4	99
401430235	2012	7	13	18	V	5.8	0	5.34	16
401430235	2012	7	13	19	V	1.8	0	1.48	163
401430235	2012	7	13	20	V	1.9	0	2.38	177
401430235	2012	7	13	21	V	1.7	0	1.01	280
401430235	2012	7	13	22	V	2.0	0	0.84	286
401430235	2012	7	13	23	V	30.7	0	0.77	314
401430235	2012	7	13	24	V	22.5	0	0.69	329

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	14	1	V	5.8	0	0.97	238
401430235	2012	7	14	2	V	4.9	0	0.67	287
401430235	2012	7	14	3	V	14.6	0	0.79	337
401430235	2012	7	14	4	V	1.6	0	0.67	270
401430235	2012	7	14	5	C	-999	0	0	0
401430235	2012	7	14	6	V	9.2	0	0.65	231
401430235	2012	7	14	7	V	2.2	0	1.01	222
401430235	2012	7	14	8	V	5.0	0	0.91	166
401430235	2012	7	14	9	V	2.0	0	1.64	205
401430235	2012	7	14	10	V	1.4	0	1.71	219
401430235	2012	7	14	11	V	2.0	0	2.03	209
401430235	2012	7	14	12	V	3.0	0	1.25	197
401430235	2012	7	14	13	V	3.2	0	2.03	284
401430235	2012	7	14	14	V	3.3	0	2.35	84
401430235	2012	7	14	15	V	2.5	0	2.25	48
401430235	2012	7	14	16	V	2.9	0	2.83	30
401430235	2012	7	14	17	V	2.6	0	2.81	44
401430235	2012	7	14	18	V	5.8	0	6.23	157
401430235	2012	7	14	19	V	1.6	0	5.65	165
401430235	2012	7	14	20	V	1.9	0	4.41	171
401430235	2012	7	14	21	V	1.4	0	3.66	175
401430235	2012	7	14	22	V	1.0	0	3.24	167
401430235	2012	7	14	23	V	0.8	0	2.18	179
401430235	2012	7	14	24	V	2.6	0	1.57	192
401430235	2012	7	15	1	V	6.1	0	1.35	188
401430235	2012	7	15	2	V	2.9	0	1.25	210
401430235	2012	7	15	3	V	4.9	0	0.92	205
401430235	2012	7	15	4	V	1.1	0	0.87	254
401430235	2012	7	15	5	V	1.1	0	0.86	251
401430235	2012	7	15	6	V	9.1	0	0.67	235
401430235	2012	7	15	7	V	2.1	0	1.01	144
401430235	2012	7	15	8	V	2.3	0	1.62	165
401430235	2012	7	15	9	V	1.8	0	2.04	143
401430235	2012	7	15	10	V	1.2	0	2.57	141
401430235	2012	7	15	11	V	1.8	0	2.86	155
401430235	2012	7	15	12	V	2.4	0	3	118
401430235	2012	7	15	13	V	2.6	0	3.13	112
401430235	2012	7	15	14	V	3.1	0	4.12	130
401430235	2012	7	15	15	V	2.1	0	4.48	119
401430235	2012	7	15	16	V	2.6	0	3.97	100
401430235	2012	7	15	17	V	2.2	0	4.73	129
401430235	2012	7	15	18	V	5.8	0	5.84	159
401430235	2012	7	15	19	V	1.6	0	3.75	152
401430235	2012	7	15	20	V	1.9	0	2.72	141
401430235	2012	7	15	21	V	1.4	0	2.4	118
401430235	2012	7	15	22	V	1.0	0	1.94	147

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	15	23	V	1.2	0	1.09	173
401430235	2012	7	15	24	V	3.4	0	0.6	256
401430235	2012	7	16	1	V	6.0	0	0.82	243
401430235	2012	7	16	2	V	2.9	0	1.13	158
401430235	2012	7	16	3	V	4.4	0	1.96	180
401430235	2012	7	16	4	V	0.8	0	2.49	169
401430235	2012	7	16	5	V	0.7	0	2.44	177
401430235	2012	7	16	6	V	8.4	0	2.71	150
401430235	2012	7	16	7	V	0.9	0	3.41	165
401430235	2012	7	16	8	V	1.3	0	4.93	173
401430235	2012	7	16	9	V	1.6	0	4.44	186
401430235	2012	7	16	10	V	1.2	0	4.37	183
401430235	2012	7	16	11	V	1.7	0	4.75	197
401430235	2012	7	16	12	V	2.4	0	5.12	189
401430235	2012	7	16	13	V	2.6	0	4.58	182
401430235	2012	7	16	14	V	3.2	0	4.99	180
401430235	2012	7	16	15	V	2.2	0	5.02	186
401430235	2012	7	16	16	V	2.7	0	5.16	195
401430235	2012	7	16	17	V	2.3	0	4.92	196
401430235	2012	7	16	18	V	6.0	0	5.55	186
401430235	2012	7	16	19	V	1.7	0	5.17	195
401430235	2012	7	16	20	V	2.0	0	4.17	186
401430235	2012	7	16	21	V	1.4	0	3.17	178
401430235	2012	7	16	22	V	1.1	0	2.86	183
401430235	2012	7	16	23	V	0.7	0	3.12	175
401430235	2012	7	16	24	V	2.3	0	3.46	180
401430235	2012	7	17	1	V	5.6	0	3.46	184
401430235	2012	7	17	2	V	2.7	0	3.01	178
401430235	2012	7	17	3	V	4.4	0	2.04	171
401430235	2012	7	17	4	V	0.8	0	1.91	172
401430235	2012	7	17	5	V	0.8	0	1.76	175
401430235	2012	7	17	6	V	8.5	0	3.3	188
401430235	2012	7	17	7	V	1.1	0	4.14	189
401430235	2012	7	17	8	V	1.4	0	4.44	196
401430235	2012	7	17	9	V	1.5	0	4.94	201
401430235	2012	7	17	10	V	1.0	0	4.88	215
401430235	2012	7	17	11	V	1.7	0	4.66	211
401430235	2012	7	17	12	V	2.3	0	5.16	209
401430235	2012	7	17	13	V	2.6	0	5.16	201
401430235	2012	7	17	14	V	3.3	0	5.07	193
401430235	2012	7	17	15	V	2.2	0	5.04	199
401430235	2012	7	17	16	V	2.7	0	5.97	181
401430235	2012	7	17	17	V	2.3	0	5.65	181
401430235	2012	7	17	18	V	6.0	0	5.29	192
401430235	2012	7	17	19	V	1.8	0	5.24	191
401430235	2012	7	17	20	V	2.0	12	3.95	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	17	21	V	1.5	20	2.88	189
401430235	2012	7	17	22	V	1.1	3	2.62	185
401430235	2012	7	17	23	V	0.8	1	1.99	206
401430235	2012	7	17	24	V	2.3	1	1.67	207
401430235	2012	7	18	1	V	5.6	0	1.86	208
401430235	2012	7	18	2	V	2.8	0	1.59	202
401430235	2012	7	18	3	V	4.7	0	1.47	198
401430235	2012	7	18	4	V	0.8	0	1.82	204
401430235	2012	7	18	5	V	1.4	0	1.08	191
401430235	2012	7	18	6	V	8.8	0	1.03	206
401430235	2012	7	18	7	V	1.3	0	2.08	211
401430235	2012	7	18	8	V	1.4	0	3.71	217
401430235	2012	7	18	9	V	1.4	0	4.7	220
401430235	2012	7	18	10	V	1.1	0	4.78	209
401430235	2012	7	18	11	V	1.8	0	3.46	200
401430235	2012	7	18	12	V	2.4	0	4.02	207
401430235	2012	7	18	13	V	2.6	1	4.31	207
401430235	2012	7	18	14	V	3.2	0	3.98	213
401430235	2012	7	18	15	V	2.1	0	4.03	218
401430235	2012	7	18	16	V	2.6	0	4.27	212
401430235	2012	7	18	17	V	2.3	0	3.97	210
401430235	2012	7	18	18	V	5.9	0	3.37	227
401430235	2012	7	18	19	V	1.6	0	3.51	210
401430235	2012	7	18	20	V	2.0	0	4.19	198
401430235	2012	7	18	21	V	1.5	0	2.88	202
401430235	2012	7	18	22	V	1.0	0	2.49	206
401430235	2012	7	18	23	V	0.8	0	2.98	202
401430235	2012	7	18	24	V	2.4	0	3.58	208
401430235	2012	7	19	1	V	5.6	0	3.76	205
401430235	2012	7	19	2	V	2.8	0	2.45	198
401430235	2012	7	19	3	V	4.4	0	2.78	207
401430235	2012	7	19	4	V	0.8	0	2.1	208
401430235	2012	7	19	5	V	1.1	0	3.05	216
401430235	2012	7	19	6	V	8.9	0	2.28	217
401430235	2012	7	19	7	V	1.0	0	3.22	218
401430235	2012	7	19	8	V	1.3	0	3.2	230
401430235	2012	7	19	9	V	1.5	0	3	236
401430235	2012	7	19	10	V	1.1	0	2.95	237
401430235	2012	7	19	11	V	1.7	0	2.56	245
401430235	2012	7	19	12	V	2.6	0	2.37	209
401430235	2012	7	19	13	V	2.8	0	1.99	209
401430235	2012	7	19	14	V	3.3	0	2.81	214
401430235	2012	7	19	15	V	2.3	0	3.25	199
401430235	2012	7	19	16	V	2.7	0	2.98	193
401430235	2012	7	19	17	V	2.3	0	3.56	212
401430235	2012	7	19	18	V	5.9	0	3.71	230

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	19	19	V	2.0	0	4	348
401430235	2012	7	19	20	V	1.9	0	3.88	146
401430235	2012	7	19	21	V	1.5	0	2.78	208
401430235	2012	7	19	22	V	1.1	0	2.4	226
401430235	2012	7	19	23	V	0.9	0	1.14	251
401430235	2012	7	19	24	V	3.2	0	1.04	290
401430235	2012	7	20	1	V	5.9	0	0.96	18
401430235	2012	7	20	2	V	3.1	0	1.04	166
401430235	2012	7	20	3	V	8.2	0	0.8	294
401430235	2012	7	20	4	V	3.4	0	1.06	342
401430235	2012	7	20	5	V	33.4	0	0.96	312
401430235	2012	7	20	6	V	11.8	0	0.52	285
401430235	2012	7	20	7	C	-999	0	0	0
401430235	2012	7	20	8	V	5.8	0	0.75	29
401430235	2012	7	20	9	V	3.2	0	0.89	26
401430235	2012	7	20	10	V	1.7	-999	1.99	38
401430235	2012	7	20	11	V	1.9	-999	2.38	22
401430235	2012	7	20	12	V	2.6	0	2.33	20
401430235	2012	7	20	13	V	2.8	0	2.52	18
401430235	2012	7	20	14	V	3.3	0	3.37	20
401430235	2012	7	20	15	V	2.3	0	3.22	17
401430235	2012	7	20	16	V	2.7	0	4.63	29
401430235	2012	7	20	17	V	2.5	0	5.14	37
401430235	2012	7	20	18	V	6.1	0	4.49	33
401430235	2012	7	20	19	V	1.8	0	4.99	34
401430235	2012	7	20	20	V	2.0	0	3.54	27
401430235	2012	7	20	21	V	1.4	0	2.45	30
401430235	2012	7	20	22	V	1.0	0	3.29	31
401430235	2012	7	20	23	V	0.8	0	2.86	26
401430235	2012	7	20	24	V	2.2	0	2.11	18
401430235	2012	7	21	1	V	5.6	0	1.76	359
401430235	2012	7	21	2	V	2.7	0	2.78	10
401430235	2012	7	21	3	V	4.4	0	2.44	11
401430235	2012	7	21	4	V	0.8	0	2.15	8
401430235	2012	7	21	5	V	0.7	0	1.67	6
401430235	2012	7	21	6	V	8.4	0	1.6	8
401430235	2012	7	21	7	V	1.3	0	2.38	24
401430235	2012	7	21	8	V	3.4	0	2.33	42
401430235	2012	7	21	9	V	1.7	0	2.35	65
401430235	2012	7	21	10	V	1.2	0	2.44	83
401430235	2012	7	21	11	V	2.6	0	2.4	45
401430235	2012	7	21	12	V	2.8	0	3.42	29
401430235	2012	7	21	13	V	2.9	0	4.17	41
401430235	2012	7	21	14	V	3.2	0	4.37	65
401430235	2012	7	21	15	V	2.2	0	4.32	63
401430235	2012	7	21	16	V	2.6	0	4.75	67

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	21	17	V	2.2	0	4.44	69
401430235	2012	7	21	18	V	5.8	0	4.75	69
401430235	2012	7	21	19	V	1.6	0	4.22	73
401430235	2012	7	21	20	V	1.9	0	3	78
401430235	2012	7	21	21	V	1.4	0	2.33	62
401430235	2012	7	21	22	V	1.0	0	3.47	90
401430235	2012	7	21	23	V	0.8	0	3.64	101
401430235	2012	7	21	24	V	2.2	0	2.37	120
401430235	2012	7	22	1	V	5.6	0	1.91	120
401430235	2012	7	22	2	V	2.7	0	2.62	122
401430235	2012	7	22	3	V	4.4	0	1.89	137
401430235	2012	7	22	4	V	1.3	0	0.92	164
401430235	2012	7	22	5	V	2.3	0	0.57	30
401430235	2012	7	22	6	C	-999	0	0	0
401430235	2012	7	22	7	V	1.5	0	1.48	177
401430235	2012	7	22	8	V	1.3	0	3.3	137
401430235	2012	7	22	9	V	1.4	0	3.61	144
401430235	2012	7	22	10	V	1.0	0	3.78	142
401430235	2012	7	22	11	V	1.7	0	3.51	130
401430235	2012	7	22	12	V	2.4	0	2.86	112
401430235	2012	7	22	13	V	2.5	0	3.88	92
401430235	2012	7	22	14	V	3.2	0	3.8	108
401430235	2012	7	22	15	V	2.1	0	3.59	110
401430235	2012	7	22	16	V	2.6	0	3.66	122
401430235	2012	7	22	17	V	2.2	0	3.9	132
401430235	2012	7	22	18	V	5.9	0	4.58	141
401430235	2012	7	22	19	V	1.6	0	3.92	134
401430235	2012	7	22	20	V	1.9	0	2.35	119
401430235	2012	7	22	21	C	-999	0	0	0
401430235	2012	7	22	22	V	2.5	0	0.72	188
401430235	2012	7	22	23	V	0.8	0	2.03	154
401430235	2012	7	22	24	V	2.3	0	2.84	180
401430235	2012	7	23	1	V	5.7	0	3.08	192
401430235	2012	7	23	2	V	2.7	0	2.08	182
401430235	2012	7	23	3	V	4.4	0	2.22	172
401430235	2012	7	23	4	V	0.8	0	3.01	168
401430235	2012	7	23	5	V	0.7	0	3.25	174
401430235	2012	7	23	6	V	8.4	0	2.32	173
401430235	2012	7	23	7	V	1.2	0	1.98	171
401430235	2012	7	23	8	V	1.5	0	3.05	186
401430235	2012	7	23	9	V	1.6	0	3.59	181
401430235	2012	7	23	10	V	1.2	0	3.22	180
401430235	2012	7	23	11	V	1.8	0	3.75	183
401430235	2012	7	23	12	V	2.3	0	4.29	141
401430235	2012	7	23	13	V	2.5	0	4.9	147
401430235	2012	7	23	14	V	3.1	0	5	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	23	15	V	2.1	0	4.95	160
401430235	2012	7	23	16	V	2.6	0	4.42	160
401430235	2012	7	23	17	V	2.3	0	4.61	171
401430235	2012	7	23	18	V	5.9	0	4.66	164
401430235	2012	7	23	19	V	1.6	0	4.68	170
401430235	2012	7	23	20	V	1.9	0	3.86	170
401430235	2012	7	23	21	V	1.5	0	3.68	183
401430235	2012	7	23	22	V	1.1	0	4.63	191
401430235	2012	7	23	23	V	0.8	0	4.32	187
401430235	2012	7	23	24	V	2.3	0	3.83	192
401430235	2012	7	24	1	V	5.7	0	3.46	189
401430235	2012	7	24	2	V	2.7	0	3.73	186
401430235	2012	7	24	3	V	4.4	0	2.64	186
401430235	2012	7	24	4	V	1.0	0	2.16	191
401430235	2012	7	24	5	V	0.8	0	2.42	194
401430235	2012	7	24	6	V	8.4	0	2.1	182
401430235	2012	7	24	7	V	1.2	0	2.55	185
401430235	2012	7	24	8	V	1.5	0	4.03	193
401430235	2012	7	24	9	V	1.6	0	5.12	187
401430235	2012	7	24	10	V	1.2	0	5.6	187
401430235	2012	7	24	11	V	1.7	0	5.87	188
401430235	2012	7	24	12	V	2.4	0	6.33	183
401430235	2012	7	24	13	V	2.6	0	5.38	191
401430235	2012	7	24	14	V	3.2	0	4.78	200
401430235	2012	7	24	15	V	2.2	0	5.11	181
401430235	2012	7	24	16	V	2.7	0	6.02	180
401430235	2012	7	24	17	V	2.4	0	4.99	191
401430235	2012	7	24	18	V	6.0	0	5.5	198
401430235	2012	7	24	19	V	1.7	0	5.09	195
401430235	2012	7	24	20	V	2.0	0	4.85	187
401430235	2012	7	24	21	V	1.5	0	3.66	184
401430235	2012	7	24	22	V	1.1	0	2.76	185
401430235	2012	7	24	23	V	0.8	0	3.2	187
401430235	2012	7	24	24	V	2.3	0	3.27	181
401430235	2012	7	25	1	V	5.6	0	4.12	185
401430235	2012	7	25	2	V	2.8	0	4.19	186
401430235	2012	7	25	3	V	4.5	0	3.85	187
401430235	2012	7	25	4	V	0.8	0	2.88	180
401430235	2012	7	25	5	V	0.7	0	2.54	171
401430235	2012	7	25	6	V	8.4	0	3.1	180
401430235	2012	7	25	7	V	1.1	0	3.86	185
401430235	2012	7	25	8	V	1.4	0	5.67	196
401430235	2012	7	25	9	V	1.5	0	5.97	196
401430235	2012	7	25	10	V	1.1	-999	5.87	199
401430235	2012	7	25	11	V	1.7	-999	5.46	200
401430235	2012	7	25	12	V	2.4	0	5.7	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	25	13	V	2.6	0	6.31	188
401430235	2012	7	25	14	V	3.2	0	6.04	192
401430235	2012	7	25	15	V	2.2	0	6.47	192
401430235	2012	7	25	16	V	2.7	0	6.72	196
401430235	2012	7	25	17	V	2.3	0	6.55	198
401430235	2012	7	25	18	V	5.9	0	6.26	201
401430235	2012	7	25	19	V	1.7	0	6.43	195
401430235	2012	7	25	20	V	2.0	0	5.39	194
401430235	2012	7	25	21	V	1.5	0	4.61	186
401430235	2012	7	25	22	V	1.1	0	4.51	188
401430235	2012	7	25	23	V	0.8	0	4.82	188
401430235	2012	7	25	24	V	2.4	0	4.78	191
401430235	2012	7	26	1	V	5.7	0	4.73	193
401430235	2012	7	26	2	V	2.8	0	4.87	192
401430235	2012	7	26	3	V	4.5	0	2.98	198
401430235	2012	7	26	4	V	0.9	0	2.93	198
401430235	2012	7	26	5	V	0.7	0	1.71	242
401430235	2012	7	26	6	V	8.6	0	1.11	249
401430235	2012	7	26	7	V	1.2	0	2.35	182
401430235	2012	7	26	8	V	1.5	0	3.05	179
401430235	2012	7	26	9	V	1.6	0	4.51	196
401430235	2012	7	26	10	V	1.1	0	3.71	212
401430235	2012	7	26	11	V	1.7	0	3.03	236
401430235	2012	7	26	12	V	2.5	0	2.08	260
401430235	2012	7	26	13	V	3.0	0	2.08	45
401430235	2012	7	26	14	V	3.5	0	2.61	30
401430235	2012	7	26	15	V	2.5	0	1.88	24
401430235	2012	7	26	16	V	3.1	0	2.27	40
401430235	2012	7	26	17	V	2.3	0	2.49	106
401430235	2012	7	26	18	V	5.9	0	2.91	15
401430235	2012	7	26	19	V	1.6	0	3.17	7
401430235	2012	7	26	20	V	21.6	0	3.01	320
401430235	2012	7	26	21	V	1.4	0	4.22	169
401430235	2012	7	26	22	V	1.0	0	3.32	138
401430235	2012	7	26	23	V	0.8	0	2.52	186
401430235	2012	7	26	24	V	2.3	0	1.94	204
401430235	2012	7	27	1	V	5.6	0	2.38	170
401430235	2012	7	27	2	V	2.7	0	2.3	176
401430235	2012	7	27	3	V	4.4	0	2.57	166
401430235	2012	7	27	4	V	0.8	0	1.99	174
401430235	2012	7	27	5	V	0.7	0	2.11	180
401430235	2012	7	27	6	V	8.9	0	1.11	213
401430235	2012	7	27	7	V	1.7	0	1.3	214
401430235	2012	7	27	8	V	2.0	0	1.89	201
401430235	2012	7	27	9	V	1.6	0	2.22	235
401430235	2012	7	27	10	V	1.5	0	1.65	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	27	11	V	2.1	0	1.69	139
401430235	2012	7	27	12	V	2.6	0	1.93	105
401430235	2012	7	27	13	V	2.9	0	2.18	33
401430235	2012	7	27	14	V	3.3	0	2.54	145
401430235	2012	7	27	15	V	2.4	0	2.08	153
401430235	2012	7	27	16	V	2.7	0	2.55	133
401430235	2012	7	27	17	V	2.3	0	3.24	150
401430235	2012	7	27	18	V	6.1	0	3	185
401430235	2012	7	27	19	V	1.7	0	4.1	172
401430235	2012	7	27	20	V	2.0	0	2.86	192
401430235	2012	7	27	21	V	1.6	0	0.99	226
401430235	2012	7	27	22	V	2.3	0	0.56	267
401430235	2012	7	27	23	V	0.9	0	1.14	228
401430235	2012	7	27	24	V	2.4	0	1.25	240
401430235	2012	7	28	1	V	6.1	0	0.77	263
401430235	2012	7	28	2	V	4.8	0	0.55	357
401430235	2012	7	28	3	V	9.5	0	0.62	292
401430235	2012	7	28	4	V	2.5	0	0.94	345
401430235	2012	7	28	5	V	2.2	0	0.72	286
401430235	2012	7	28	6	V	9.6	0	0.63	278
401430235	2012	7	28	7	V	1.7	0	1.16	203
401430235	2012	7	28	8	V	2.9	0	1.25	205
401430235	2012	7	28	9	V	1.9	0	1.76	230
401430235	2012	7	28	10	V	1.4	0	1.69	244
401430235	2012	7	28	11	V	2.0	0	1.74	243
401430235	2012	7	28	12	V	2.6	0	2.33	199
401430235	2012	7	28	13	V	2.8	0	2.27	189
401430235	2012	7	28	14	V	3.3	0	3.27	185
401430235	2012	7	28	15	V	2.3	0	2.83	174
401430235	2012	7	28	16	V	2.7	0	4.27	172
401430235	2012	7	28	17	V	2.3	0	4.27	169
401430235	2012	7	28	18	V	6.0	0	3.67	160
401430235	2012	7	28	19	V	1.6	0	3.83	159
401430235	2012	7	28	20	V	1.9	0	2.84	150
401430235	2012	7	28	21	V	2.0	0	0.87	216
401430235	2012	7	28	22	V	2.8	0	0.53	213
401430235	2012	7	28	23	V	3.4	0	0.69	289
401430235	2012	7	28	24	V	2.8	0	0.97	216
401430235	2012	7	29	1	C	-999	0	0	0
401430235	2012	7	29	2	V	12.8	0	0.58	338
401430235	2012	7	29	3	V	6.3	0	0.52	241
401430235	2012	7	29	4	V	1.0	0	1.48	222
401430235	2012	7	29	5	V	0.7	0	1.59	230
401430235	2012	7	29	6	V	8.5	0	2.3	225
401430235	2012	7	29	7	V	0.9	0	2.47	233
401430235	2012	7	29	8	V	1.4	0	2.45	233

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	29	9	V	1.4	0	3.97	236
401430235	2012	7	29	10	V	1.0	0	5.16	226
401430235	2012	7	29	11	V	1.6	0	4.71	232
401430235	2012	7	29	12	V	2.3	0	4.19	237
401430235	2012	7	29	13	V	2.6	0	3.83	218
401430235	2012	7	29	14	V	3.2	0	3.93	220
401430235	2012	7	29	15	V	2.2	0	3.37	220
401430235	2012	7	29	16	V	2.7	0	3.39	222
401430235	2012	7	29	17	V	2.3	0	3.44	231
401430235	2012	7	29	18	V	6.0	0	4.39	183
401430235	2012	7	29	19	V	1.7	0	1.84	219
401430235	2012	7	29	20	V	2.5	1	1.35	216
401430235	2012	7	29	21	V	1.5	1	1.93	209
401430235	2012	7	29	22	V	1.1	0	2.98	207
401430235	2012	7	29	23	V	0.8	0	2.28	205
401430235	2012	7	29	24	V	2.6	0	1.28	199
401430235	2012	7	30	1	V	6.4	0	0.94	196
401430235	2012	7	30	2	V	3.3	1	1.94	218
401430235	2012	7	30	3	V	4.5	0	2.74	227
401430235	2012	7	30	4	V	0.8	0	1.99	231
401430235	2012	7	30	5	V	0.8	0	2.81	229
401430235	2012	7	30	6	V	9.0	0	1.96	215
401430235	2012	7	30	7	V	1.0	0	2.96	217
401430235	2012	7	30	8	V	1.4	0	3.71	220
401430235	2012	7	30	9	V	1.4	0	4.29	231
401430235	2012	7	30	10	V	1.0	0	4.44	237
401430235	2012	7	30	11	V	1.6	0	4.86	225
401430235	2012	7	30	12	V	2.4	0	2.86	236
401430235	2012	7	30	13	V	2.6	0	4.36	202
401430235	2012	7	30	14	V	3.5	0	1.76	244
401430235	2012	7	30	15	V	2.2	0	2.86	230
401430235	2012	7	30	16	V	2.7	0	4.86	194
401430235	2012	7	30	17	V	2.3	0	3.86	225
401430235	2012	7	30	18	V	6.0	0	3.36	195
401430235	2012	7	30	19	V	1.7	0	3.72	194
401430235	2012	7	30	20	V	2.0	0	2.13	200
401430235	2012	7	30	21	V	1.4	0	2.11	206
401430235	2012	7	30	22	V	1.1	1	3.83	197
401430235	2012	7	30	23	V	0.8	1	3.63	197
401430235	2012	7	30	24	V	2.3	0	2.37	202
401430235	2012	7	31	1	V	5.9	0	2.11	212
401430235	2012	7	31	2	V	2.7	1	2.18	224
401430235	2012	7	31	3	V	4.9	1	2.61	217
401430235	2012	7	31	4	V	1.2	0	3.17	218
401430235	2012	7	31	5	V	0.8	0	2.64	228
401430235	2012	7	31	6	V	9.1	0	2.13	216

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	7	31	7	V	1.3	0	2.13	209
401430235	2012	7	31	8	V	1.4	0	3.03	215
401430235	2012	7	31	9	V	1.5	0	2.95	222
401430235	2012	7	31	10	V	1.2	0	2.71	227
401430235	2012	7	31	11	V	1.7	0	3.75	224
401430235	2012	7	31	12	V	2.4	0	3.35	209
401430235	2012	7	31	13	V	2.6	0	3.46	184
401430235	2012	7	31	14	V	3.2	0	4.02	176
401430235	2012	7	31	15	V	2.2	0	3.93	170
401430235	2012	7	31	16	V	2.7	0	3.98	174
401430235	2012	7	31	17	V	2.4	0	4.82	193
401430235	2012	7	31	18	V	6.0	0	5.7	179
401430235	2012	7	31	19	V	1.6	0	5.65	176
401430235	2012	7	31	20	V	2.0	0	3.71	183
401430235	2012	7	31	21	V	1.5	0	2.69	194
401430235	2012	7	31	22	V	1.1	0	3.58	192
401430235	2012	7	31	23	V	0.9	0	2.96	195
401430235	2012	7	31	24	V	2.4	1	2.27	196
401430235	2012	8	1	1	V	6.0	0	2.03	213
401430235	2012	8	1	2	V	2.8	1	3.08	209
401430235	2012	8	1	3	V	4.4	0	2.37	209
401430235	2012	8	1	4	V	0.8	0	2.13	209
401430235	2012	8	1	5	C	-999	0	0	0
401430235	2012	8	1	6	C	-999	0	0	0
401430235	2012	8	1	7	V	1.1	0	2.36	177
401430235	2012	8	1	8	V	1.5	0	2.86	202
401430235	2012	8	1	9	V	1.5	0	3.86	218
401430235	2012	8	1	10	V	1.1	0	3.81	209
401430235	2012	8	1	11	V	1.8	-999	3.39	198
401430235	2012	8	1	12	V	2.5	0	2.98	208
401430235	2012	8	1	13	V	2.5	1	2.88	267
401430235	2012	8	1	14	V	3.3	0	4.48	27
401430235	2012	8	1	15	V	2.2	0	2.33	118
401430235	2012	8	1	16	V	3.5	0	3.63	41
401430235	2012	8	1	17	V	2.8	0	2.52	51
401430235	2012	8	1	18	V	5.9	0	2.96	62
401430235	2012	8	1	19	V	1.6	0	3.37	113
401430235	2012	8	1	20	V	2.0	0	4.58	204
401430235	2012	8	1	21	V	1.5	0	3.37	195
401430235	2012	8	1	22	V	1.1	0	3.32	189
401430235	2012	8	1	23	V	0.8	0	3.74	204
401430235	2012	8	1	24	V	2.3	0	2.66	202
401430235	2012	8	2	1	V	5.7	0	3.2	208
401430235	2012	8	2	2	V	3.0	0	3.86	210
401430235	2012	8	2	3	V	4.4	0	2.79	201
401430235	2012	8	2	4	V	1.2	1	1.28	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	2	5	V	1.1	1	1.6	192
401430235	2012	8	2	6	V	8.9	1	0.96	207
401430235	2012	8	2	7	V	1.2	1	1.81	199
401430235	2012	8	2	8	V	1.5	0	1.96	238
401430235	2012	8	2	9	V	1.7	2	1.86	257
401430235	2012	8	2	10	V	6.2	1	2.57	328
401430235	2012	8	2	11	V	2.4	2	1.43	218
401430235	2012	8	2	12	V	2.4	1	2.42	117
401430235	2012	8	2	13	V	2.5	1	3.24	108
401430235	2012	8	2	14	V	3.4	1	2.21	169
401430235	2012	8	2	15	V	2.3	2	2.33	209
401430235	2012	8	2	16	V	2.7	3	2.98	206
401430235	2012	8	2	17	V	2.2	1	4.29	240
401430235	2012	8	2	18	V	5.9	0	2.5	236
401430235	2012	8	2	19	V	1.8	0	1.11	234
401430235	2012	8	2	20	V	2.0	0	3.85	200
401430235	2012	8	2	21	V	1.4	1	2.45	266
401430235	2012	8	2	22	V	1.0	1	2.39	206
401430235	2012	8	2	23	V	1.4	1	1.76	215
401430235	2012	8	2	24	V	2.9	0	1.6	218
401430235	2012	8	3	1	V	5.8	0	1.33	204
401430235	2012	8	3	2	V	3.0	0	1.04	95
401430235	2012	8	3	3	V	4.7	0	0.99	93
401430235	2012	8	3	4	V	0.9	0	1.54	149
401430235	2012	8	3	5	V	0.8	0	1.57	158
401430235	2012	8	3	6	V	8.6	0	1.4	170
401430235	2012	8	3	7	V	1.0	0	3.07	173
401430235	2012	8	3	8	V	1.3	0	3.68	162
401430235	2012	8	3	9	V	1.6	0	2.57	172
401430235	2012	8	3	10	V	1.1	0	3.3	141
401430235	2012	8	3	11	V	1.6	0	4.9	109
401430235	2012	8	3	12	V	2.3	0	4.29	105
401430235	2012	8	3	13	V	4.6	0	3.51	36
401430235	2012	8	3	14	V	3.2	0	2.86	70
401430235	2012	8	3	15	V	2.1	0	4.61	104
401430235	2012	8	3	16	V	2.5	0	4.34	132
401430235	2012	8	3	17	V	2.2	0	4.48	137
401430235	2012	8	3	18	V	6.0	0	5.63	183
401430235	2012	8	3	19	V	1.8	0	6.58	192
401430235	2012	8	3	20	V	2.1	0	5.82	191
401430235	2012	8	3	21	V	1.5	0	5.38	186
401430235	2012	8	3	22	V	1.1	0	5.31	188
401430235	2012	8	3	23	V	0.9	0	5.73	193
401430235	2012	8	3	24	V	2.4	0	5.43	197
401430235	2012	8	4	1	V	5.7	0	5.22	198
401430235	2012	8	4	2	V	2.8	0	4.93	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	4	3	V	4.5	0	4.14	194
401430235	2012	8	4	4	V	0.9	0	2.88	193
401430235	2012	8	4	5	V	0.7	0	2.05	229
401430235	2012	8	4	6	V	9.1	0	0.99	184
401430235	2012	8	4	7	V	1.0	0	3.32	173
401430235	2012	8	4	8	V	1.4	0	4.71	187
401430235	2012	8	4	9	V	1.4	0	5.29	207
401430235	2012	8	4	10	V	1.0	0	5.85	208
401430235	2012	8	4	11	V	1.7	0	6.07	202
401430235	2012	8	4	12	V	2.3	0	5.73	202
401430235	2012	8	4	13	V	2.5	0	4.75	223
401430235	2012	8	4	14	V	3.1	0	4.75	215
401430235	2012	8	4	15	V	2.1	0	4.68	218
401430235	2012	8	4	16	V	2.6	0	3.25	221
401430235	2012	8	4	17	V	2.2	0	3.35	225
401430235	2012	8	4	18	V	5.9	0	4.58	207
401430235	2012	8	4	19	V	1.7	1	5.04	199
401430235	2012	8	4	20	V	2.1	0	5.7	194
401430235	2012	8	4	21	V	16.3	0	3.85	307
401430235	2012	8	4	22	V	1.1	0	1.11	237
401430235	2012	8	4	23	V	1.3	0	1.04	191
401430235	2012	8	4	24	V	2.4	0	1.26	2
401430235	2012	8	5	1	V	5.6	0	2.78	3
401430235	2012	8	5	2	V	2.8	0	6.52	10
401430235	2012	8	5	3	V	4.5	0	4.7	17
401430235	2012	8	5	4	V	0.9	0	4.29	16
401430235	2012	8	5	5	V	0.7	0	2.38	19
401430235	2012	8	5	6	V	32.4	0	0.87	325
401430235	2012	8	5	7	V	2.0	0	1.26	352
401430235	2012	8	5	8	V	3.1	0	1.37	348
401430235	2012	8	5	9	V	4.4	0	1.2	339
401430235	2012	8	5	10	V	1.1	0	2.78	19
401430235	2012	8	5	11	V	3.0	0	2.38	344
401430235	2012	8	5	12	V	2.3	0	3.66	8
401430235	2012	8	5	13	V	2.6	0	4.88	27
401430235	2012	8	5	14	V	4.5	0	5.43	42
401430235	2012	8	5	15	V	3.1	0	4.61	37
401430235	2012	8	5	16	V	2.6	0	4.02	24
401430235	2012	8	5	17	V	2.2	0	3.44	14
401430235	2012	8	5	18	V	5.9	1	3.71	25
401430235	2012	8	5	19	V	1.6	1	4.34	31
401430235	2012	8	5	20	V	1.9	1	2.4	25
401430235	2012	8	5	21	V	1.4	1	1.65	356
401430235	2012	8	5	22	V	1.0	1	1.82	352
401430235	2012	8	5	23	V	0.9	1	1.3	360
401430235	2012	8	5	24	V	2.5	1	1.09	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	6	1	V	5.6	0	1.5	11
401430235	2012	8	6	2	V	2.7	0	1.93	9
401430235	2012	8	6	3	V	4.4	1	1.91	3
401430235	2012	8	6	4	V	30.9	1	0.77	319
401430235	2012	8	6	5	V	0.8	0	1.18	4
401430235	2012	8	6	6	V	8.4	0	2.32	9
401430235	2012	8	6	7	V	1.0	0	1.72	14
401430235	2012	8	6	8	V	1.7	0	2.4	23
401430235	2012	8	6	9	V	2.4	0	1.98	27
401430235	2012	8	6	10	V	1.3	0	1.96	66
401430235	2012	8	6	11	V	1.8	0	2.3	98
401430235	2012	8	6	12	V	2.6	0	2.66	57
401430235	2012	8	6	13	V	2.6	0	3.24	21
401430235	2012	8	6	14	V	3.2	1	2.61	9
401430235	2012	8	6	15	V	2.6	0	3.25	30
401430235	2012	8	6	16	V	3.3	0	3.18	42
401430235	2012	8	6	17	V	2.6	0	2.16	25
401430235	2012	8	6	18	V	6.6	1	2.69	42
401430235	2012	8	6	19	V	1.6	2	2.06	22
401430235	2012	8	6	20	V	2.4	1	0.63	6
401430235	2012	8	6	21	V	1.7	1	0.99	359
401430235	2012	8	6	22	V	1.2	0	1.21	1
401430235	2012	8	6	23	V	1.5	0	0.72	2
401430235	2012	8	6	24	V	2.9	0	1.08	347
401430235	2012	8	7	1	V	5.6	1	1.82	359
401430235	2012	8	7	2	V	2.9	1	1.09	269
401430235	2012	8	7	3	V	14.5	0	0.75	300
401430235	2012	8	7	4	V	22.1	1	0.75	307
401430235	2012	8	7	5	V	1.5	0	0.67	251
401430235	2012	8	7	6	V	9.8	0	0.58	4
401430235	2012	8	7	7	V	1.8	0	0.97	226
401430235	2012	8	7	8	V	3.0	0	0.92	165
401430235	2012	8	7	9	V	1.6	0	2.33	146
401430235	2012	8	7	10	V	1.4	0	2.28	178
401430235	2012	8	7	11	V	2.2	0	1.77	180
401430235	2012	8	7	12	V	2.6	0	1.84	116
401430235	2012	8	7	13	V	2.8	0	2.57	24
401430235	2012	8	7	14	V	3.3	0	2.64	64
401430235	2012	8	7	15	V	2.3	0	4.1	53
401430235	2012	8	7	16	V	2.8	0	3.78	54
401430235	2012	8	7	17	V	2.9	0	3	38
401430235	2012	8	7	18	V	6.5	1	3.07	46
401430235	2012	8	7	19	V	1.8	1	2.57	30
401430235	2012	8	7	20	V	2.0	1	1.18	360
401430235	2012	8	7	21	V	1.5	1	1.67	280
401430235	2012	8	7	22	V	1.0	1	1.72	268

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	7	23	V	2.2	1	1.67	299
401430235	2012	8	7	24	V	2.4	1	1.36	283
401430235	2012	8	8	1	V	5.8	1	1.48	223
401430235	2012	8	8	2	V	2.7	0	1.81	233
401430235	2012	8	8	3	V	4.8	0	0.84	235
401430235	2012	8	8	4	V	1.2	0	1.55	213
401430235	2012	8	8	5	V	0.8	0	1.21	228
401430235	2012	8	8	6	V	8.6	0	1.86	186
401430235	2012	8	8	7	V	1.4	0	1.7	213
401430235	2012	8	8	8	V	1.6	0	1.64	244
401430235	2012	8	8	9	V	8.5	0	2.08	306
401430235	2012	8	8	10	V	5.7	1	1.74	334
401430235	2012	8	8	11	V	4.1	2	1.71	294
401430235	2012	8	8	12	V	3.7	2	2.06	289
401430235	2012	8	8	13	V	5.6	1	2.44	308
401430235	2012	8	8	14	V	3.7	0	2.86	285
401430235	2012	8	8	15	V	6.2	0	3.39	313
401430235	2012	8	8	16	V	5.8	0	2.83	305
401430235	2012	8	8	17	V	2.3	0	3.41	57
401430235	2012	8	8	18	V	5.8	0	6.99	166
401430235	2012	8	8	19	V	1.6	0	6.6	170
401430235	2012	8	8	20	V	1.9	0	6.3	166
401430235	2012	8	8	21	V	1.4	0	5.04	168
401430235	2012	8	8	22	V	1.0	0	4.46	176
401430235	2012	8	8	23	V	0.8	0	3.42	181
401430235	2012	8	8	24	V	2.4	0	3.1	192
401430235	2012	8	9	1	V	5.6	0	2.96	173
401430235	2012	8	9	2	V	2.7	0	3.17	135
401430235	2012	8	9	3	V	4.4	0	3.18	176
401430235	2012	8	9	4	V	0.8	0	3.35	184
401430235	2012	8	9	5	V	0.8	0	3.32	197
401430235	2012	8	9	6	V	8.8	0	2.38	214
401430235	2012	8	9	7	V	1.0	0	2.66	221
401430235	2012	8	9	8	V	1.3	0	3.17	238
401430235	2012	8	9	9	V	1.5	0	2.61	277
401430235	2012	8	9	10	V	6.8	0	2.71	325
401430235	2012	8	9	11	V	1.6	0	4.37	17
401430235	2012	8	9	12	V	2.2	0	5.33	17
401430235	2012	8	9	13	V	2.4	0	5.6	19
401430235	2012	8	9	14	V	3.1	0	5.1	17
401430235	2012	8	9	15	V	2.1	0	4.82	18
401430235	2012	8	9	16	V	2.6	0	5.33	27
401430235	2012	8	9	17	V	2.2	0	5.07	24
401430235	2012	8	9	18	V	5.8	0	4.27	15
401430235	2012	8	9	19	V	1.5	0	4.54	23
401430235	2012	8	9	20	V	1.9	0	2.23	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	9	21	V	1.4	0	1.67	355
401430235	2012	8	9	22	V	1.1	0	3.85	11
401430235	2012	8	9	23	V	0.8	0	5.46	17
401430235	2012	8	9	24	V	2.3	0	5.36	19
401430235	2012	8	10	1	V	5.7	0	4.7	18
401430235	2012	8	10	2	V	2.7	0	3.61	17
401430235	2012	8	10	3	V	4.4	0	2.98	14
401430235	2012	8	10	4	V	0.8	0	2.2	7
401430235	2012	8	10	5	V	0.7	0	2.39	6
401430235	2012	8	10	6	V	8.4	0	2.11	5
401430235	2012	8	10	7	V	1.1	0	2.5	6
401430235	2012	8	10	8	V	1.4	0	2.66	7
401430235	2012	8	10	9	V	1.4	0	3.74	18
401430235	2012	8	10	10	V	1.0	0	4	19
401430235	2012	8	10	11	V	1.6	0	3.97	7
401430235	2012	8	10	12	V	2.2	-999	5.41	14
401430235	2012	8	10	13	V	2.4	0	5.8	14
401430235	2012	8	10	14	V	3.1	0	5.04	3
401430235	2012	8	10	15	V	2.0	0	5.51	15
401430235	2012	8	10	16	V	2.5	0	5.6	25
401430235	2012	8	10	17	V	2.2	0	5.58	21
401430235	2012	8	10	18	V	5.8	0	4.1	13
401430235	2012	8	10	19	V	1.5	0	3.32	15
401430235	2012	8	10	20	V	1.9	0	1.86	3
401430235	2012	8	10	21	V	6.1	0	0.91	341
401430235	2012	8	10	22	V	1.1	1	1.26	357
401430235	2012	8	10	23	V	5.8	0	2.62	39
401430235	2012	8	10	24	V	2.3	0	2.69	49
401430235	2012	8	11	1	V	5.6	0	2.11	31
401430235	2012	8	11	2	V	28.0	0	0.92	325
401430235	2012	8	11	3	V	4.4	0	1.48	359
401430235	2012	8	11	4	V	17.0	1	0.65	332
401430235	2012	8	11	5	V	21.3	0	0.63	328
401430235	2012	8	11	6	V	8.5	0	1.25	351
401430235	2012	8	11	7	V	1.2	0	0.84	14
401430235	2012	8	11	8	V	3.0	0	2.03	50
401430235	2012	8	11	9	V	1.4	1	3.37	119
401430235	2012	8	11	10	V	1.1	1	2.57	147
401430235	2012	8	11	11	V	1.7	1	2.45	129
401430235	2012	8	11	12	V	2.4	0	2.69	124
401430235	2012	8	11	13	V	2.7	0	2.1	133
401430235	2012	8	11	14	V	3.2	1	2.52	118
401430235	2012	8	11	15	V	2.2	1	2.62	89
401430235	2012	8	11	16	V	2.6	1	3.56	106
401430235	2012	8	11	17	V	2.2	0	3.88	115
401430235	2012	8	11	18	V	5.8	1	4.12	120

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	11	19	V	1.5	0	4.61	122
401430235	2012	8	11	20	V	1.9	0	3.75	125
401430235	2012	8	11	21	V	1.4	0	2.96	136
401430235	2012	8	11	22	V	1.2	0	1.2	170
401430235	2012	8	11	23	C	-999	0	0	0
401430235	2012	8	11	24	V	2.7	0	0.97	208
401430235	2012	8	12	1	V	6.0	0	1.09	174
401430235	2012	8	12	2	V	2.8	0	1.38	158
401430235	2012	8	12	3	V	4.7	0	1.2	165
401430235	2012	8	12	4	V	1.1	0	0.89	251
401430235	2012	8	12	5	V	1.3	0	1.11	216
401430235	2012	8	12	6	V	8.4	0	1.82	175
401430235	2012	8	12	7	V	1.0	0	3.35	172
401430235	2012	8	12	8	V	1.4	0	3.18	175
401430235	2012	8	12	9	V	1.5	0	3.59	165
401430235	2012	8	12	10	V	1.1	0	3.2	156
401430235	2012	8	12	11	V	1.7	0	4.46	170
401430235	2012	8	12	12	V	2.4	0	4.71	174
401430235	2012	8	12	13	V	2.6	0	5.04	179
401430235	2012	8	12	14	V	3.3	0	4.49	186
401430235	2012	8	12	15	V	2.3	0	4	192
401430235	2012	8	12	16	V	2.7	0	4.22	187
401430235	2012	8	12	17	V	2.3	0	2.59	226
401430235	2012	8	12	18	V	6.3	0	0.92	248
401430235	2012	8	12	19	V	1.8	0	1.94	194
401430235	2012	8	12	20	V	1.9	0	3.46	164
401430235	2012	8	12	21	V	1.4	0	2.3	274
401430235	2012	8	12	22	V	5.8	1	2.62	337
401430235	2012	8	12	23	V	1.2	0	3.61	350
401430235	2012	8	12	24	V	2.3	0	4.95	3
401430235	2012	8	13	1	V	5.6	0	2.83	5
401430235	2012	8	13	2	V	2.7	0	1.98	8
401430235	2012	8	13	3	V	4.4	0	1.98	5
401430235	2012	8	13	4	V	0.8	0	1.55	352
401430235	2012	8	13	5	V	0.7	0	2.03	352
401430235	2012	8	13	6	V	8.4	0	2.49	352
401430235	2012	8	13	7	V	1.2	0	3.54	357
401430235	2012	8	13	8	V	1.4	0	3.74	354
401430235	2012	8	13	9	V	2.3	1	3.39	344
401430235	2012	8	13	10	V	1.2	1	3.68	351
401430235	2012	8	13	11	V	1.6	1	4.09	358
401430235	2012	8	13	12	V	2.3	0	4.24	359
401430235	2012	8	13	13	V	2.5	1	5.14	15
401430235	2012	8	13	14	V	3.1	0	4.87	23
401430235	2012	8	13	15	V	2.1	0	4.68	26
401430235	2012	8	13	16	V	2.5	0	4.93	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	13	17	V	2.2	0	3.93	21
401430235	2012	8	13	18	V	5.9	0	3.37	21
401430235	2012	8	13	19	V	2.0	0	4.12	29
401430235	2012	8	13	20	V	1.9	0	3.13	27
401430235	2012	8	13	21	V	4.3	0	3.22	38
401430235	2012	8	13	22	V	1.0	0	2.81	32
401430235	2012	8	13	23	V	0.8	0	2.89	27
401430235	2012	8	13	24	V	5.1	0	4.53	43
401430235	2012	8	14	1	V	5.6	0	3.56	69
401430235	2012	8	14	2	V	2.7	0	2.79	91
401430235	2012	8	14	3	V	4.4	0	1.69	87
401430235	2012	8	14	4	V	0.8	0	1.89	20
401430235	2012	8	14	5	V	0.7	0	1.93	29
401430235	2012	8	14	6	V	15.4	0	2.08	41
401430235	2012	8	14	7	V	1.0	0	2.57	63
401430235	2012	8	14	8	V	1.4	0	2.57	97
401430235	2012	8	14	9	V	1.4	0	4.46	93
401430235	2012	8	14	10	V	1.0	0	4.05	112
401430235	2012	8	14	11	V	1.7	0	3.23	138
401430235	2012	8	14	12	V	2.3	0	3.12	99
401430235	2012	8	14	13	V	2.5	0	3.81	76
401430235	2012	8	14	14	V	3.4	0	3.61	55
401430235	2012	8	14	15	V	2.1	1	3.97	19
401430235	2012	8	14	16	V	2.5	1	4.44	18
401430235	2012	8	14	17	V	2.2	1	5.31	16
401430235	2012	8	14	18	V	5.9	0	2.03	110
401430235	2012	8	14	19	V	1.7	0	1.5	98
401430235	2012	8	14	20	V	2.0	0	1.57	87
401430235	2012	8	14	21	V	1.5	0	1.64	51
401430235	2012	8	14	22	V	1.1	0	1.33	7
401430235	2012	8	14	23	V	1.0	0	1.03	8
401430235	2012	8	14	24	V	2.3	0	1.38	9
401430235	2012	8	15	1	V	5.7	0	1.18	15
401430235	2012	8	15	2	V	4.5	0	0.79	289
401430235	2012	8	15	3	V	5.8	0	0.67	353
401430235	2012	8	15	4	V	3.6	0	0.69	347
401430235	2012	8	15	5	C	-999	0	0	0
401430235	2012	8	15	6	C	-999	0	0	0
401430235	2012	8	15	7	V	1.8	0	0.89	194
401430235	2012	8	15	8	V	1.5	0	2.81	177
401430235	2012	8	15	9	V	1.6	0	4.29	182
401430235	2012	8	15	10	V	1.2	0	5.02	196
401430235	2012	8	15	11	V	1.8	0	3.81	195
401430235	2012	8	15	12	V	2.4	0	3.85	208
401430235	2012	8	15	13	V	2.7	-999	3.52	188
401430235	2012	8	15	14	V	3.3	-999	4	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	15	15	V	2.2	0	3.49	204
401430235	2012	8	15	16	V	2.7	0	4.1	198
401430235	2012	8	15	17	V	2.3	0	4.53	198
401430235	2012	8	15	18	V	6.0	0	5.04	199
401430235	2012	8	15	19	V	1.7	0	5.56	199
401430235	2012	8	15	20	V	2.0	0	4.68	196
401430235	2012	8	15	21	V	1.5	0	4.44	188
401430235	2012	8	15	22	V	1.1	0	4.34	188
401430235	2012	8	15	23	V	0.8	0	3.74	189
401430235	2012	8	15	24	V	2.4	0	3.3	191
401430235	2012	8	16	1	V	5.6	0	2.11	201
401430235	2012	8	16	2	V	3.0	0	1.33	201
401430235	2012	8	16	3	V	4.5	0	2.18	189
401430235	2012	8	16	4	V	0.9	0	2.81	187
401430235	2012	8	16	5	V	0.7	0	3.29	183
401430235	2012	8	16	6	V	8.4	0	2.25	174
401430235	2012	8	16	7	V	1.1	0	2.05	170
401430235	2012	8	16	8	V	1.5	0	3.86	190
401430235	2012	8	16	9	V	1.5	0	5.22	200
401430235	2012	8	16	10	V	1.0	0	4.22	220
401430235	2012	8	16	11	V	1.6	0	4.14	239
401430235	2012	8	16	12	V	2.2	0	5.09	234
401430235	2012	8	16	13	V	2.5	0	4.92	229
401430235	2012	8	16	14	V	3.1	0	4.58	238
401430235	2012	8	16	15	V	2.1	0	3.63	253
401430235	2012	8	16	16	V	2.5	0	3.9	240
401430235	2012	8	16	17	V	2.2	0	3.42	264
401430235	2012	8	16	18	V	5.8	0	4.7	250
401430235	2012	8	16	19	V	9.1	0	1.87	323
401430235	2012	8	16	20	V	1.9	0	2.28	352
401430235	2012	8	16	21	V	1.5	0	1.28	357
401430235	2012	8	16	22	V	1.1	0	6.38	13
401430235	2012	8	16	23	V	0.8	0	5.84	22
401430235	2012	8	16	24	V	2.3	0	3.37	21
401430235	2012	8	17	1	V	5.6	0	2.79	7
401430235	2012	8	17	2	V	2.7	0	2.86	7
401430235	2012	8	17	3	V	4.4	0	3.35	6
401430235	2012	8	17	4	V	0.8	0	3.08	6
401430235	2012	8	17	5	V	0.7	0	3.59	8
401430235	2012	8	17	6	V	8.4	0	3.97	16
401430235	2012	8	17	7	V	1.0	0	4.19	18
401430235	2012	8	17	8	V	1.3	0	3.85	23
401430235	2012	8	17	9	V	1.9	0	3.83	30
401430235	2012	8	17	10	V	4.6	0	3.71	39
401430235	2012	8	17	11	V	4.9	0	3.2	38
401430235	2012	8	17	12	V	4.9	0	2.98	37

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	17	13	V	4.9	0	3.39	38
401430235	2012	8	17	14	V	3.2	1	2.95	8
401430235	2012	8	17	15	V	2.1	1	3.15	20
401430235	2012	8	17	16	V	3.3	1	2.9	30
401430235	2012	8	17	17	V	2.2	1	3	14
401430235	2012	8	17	18	V	5.9	1	3.03	9
401430235	2012	8	17	19	V	1.7	1	2.47	11
401430235	2012	8	17	20	V	2.0	1	1.5	17
401430235	2012	8	17	21	V	1.6	0	1.08	26
401430235	2012	8	17	22	V	1.2	0	1.37	30
401430235	2012	8	17	23	V	0.8	0	2.96	54
401430235	2012	8	17	24	V	2.2	0	2.67	66
401430235	2012	8	18	1	V	5.6	0	2.62	25
401430235	2012	8	18	2	V	2.8	0	2.37	281
401430235	2012	8	18	3	V	6.4	0	1.42	299
401430235	2012	8	18	4	V	35.3	0	0.97	314
401430235	2012	8	18	5	V	0.9	0	0.99	257
401430235	2012	8	18	6	V	36.4	0	1.3	319
401430235	2012	8	18	7	V	1.2	0	1.26	167
401430235	2012	8	18	8	V	1.5	0	2.3	75
401430235	2012	8	18	9	V	1.4	0	3.15	72
401430235	2012	8	18	10	V	1.0	0	3.59	115
401430235	2012	8	18	11	V	1.8	0	2.01	229
401430235	2012	8	18	12	V	2.6	0	2.11	222
401430235	2012	8	18	13	V	2.5	0	3.78	160
401430235	2012	8	18	14	V	3.3	0	2.04	253
401430235	2012	8	18	15	V	2.3	0	2.69	194
401430235	2012	8	18	16	V	2.9	0	1.67	221
401430235	2012	8	18	17	V	2.3	0	2.16	262
401430235	2012	8	18	18	V	7.3	0	1.96	292
401430235	2012	8	18	19	V	8.9	0	1.89	336
401430235	2012	8	18	20	V	2.1	0	0.96	257
401430235	2012	8	18	21	V	2.8	0	0.57	252
401430235	2012	8	18	22	V	1.5	0	0.94	219
401430235	2012	8	18	23	V	1.3	0	0.74	234
401430235	2012	8	18	24	V	3.2	0	0.63	260
401430235	2012	8	19	1	V	5.6	0	1.45	253
401430235	2012	8	19	2	C	-999	0	0	0
401430235	2012	8	19	3	V	5.6	0	0.58	240
401430235	2012	8	19	4	C	-999	0	0	0
401430235	2012	8	19	5	V	1.3	0	0.72	255
401430235	2012	8	19	6	V	12.1	0	0.63	290
401430235	2012	8	19	7	V	2.4	0	0.55	219
401430235	2012	8	19	8	V	2.9	0	1.16	217
401430235	2012	8	19	9	V	1.7	0	1.81	250
401430235	2012	8	19	10	V	7.3	0	1.16	302

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	19	11	V	1.9	0	1.35	111
401430235	2012	8	19	12	V	2.9	0	1.25	254
401430235	2012	8	19	13	V	3.4	0	1.21	209
401430235	2012	8	19	14	V	3.7	2	1.54	221
401430235	2012	8	19	15	V	10.3	1	2.59	318
401430235	2012	8	19	16	V	4.5	0	2.3	294
401430235	2012	8	19	17	V	7.9	0	1.28	324
401430235	2012	8	19	18	V	7.2	4	1.16	47
401430235	2012	8	19	19	V	2.1	0	0.8	208
401430235	2012	8	19	20	V	28.9	0	0.6	314
401430235	2012	8	19	21	V	1.4	0	2.4	141
401430235	2012	8	19	22	V	1.3	0	1.14	208
401430235	2012	8	19	23	V	27.4	0	0.82	310
401430235	2012	8	19	24	V	36.1	0	1.04	317
401430235	2012	8	20	1	V	6.8	0	1.01	291
401430235	2012	8	20	2	C	-999	0	0	0
401430235	2012	8	20	3	V	34.9	0	0.8	318
401430235	2012	8	20	4	V	14.2	0	0.72	302
401430235	2012	8	20	5	V	24.1	0	0.72	326
401430235	2012	8	20	6	V	41.7	0	1.03	317
401430235	2012	8	20	7	V	1.0	0	1.23	359
401430235	2012	8	20	8	V	1.4	0	2.59	16
401430235	2012	8	20	9	V	3.0	0	2.47	32
401430235	2012	8	20	10	V	3.4	0	2.52	42
401430235	2012	8	20	11	V	4.5	0	3.22	40
401430235	2012	8	20	12	V	3.2	0	3.1	42
401430235	2012	8	20	13	V	2.6	0	3.03	70
401430235	2012	8	20	14	V	3.4	0	2.16	21
401430235	2012	8	20	15	V	2.2	0	2.79	108
401430235	2012	8	20	16	V	2.7	0	2.27	111
401430235	2012	8	20	17	V	3.4	0	1.14	315
401430235	2012	8	20	18	V	6.1	0	1.52	213
401430235	2012	8	20	19	V	2.0	0	1.11	221
401430235	2012	8	20	20	V	3.0	0	0.63	278
401430235	2012	8	20	21	V	3.9	0	0.62	286
401430235	2012	8	20	22	V	1.5	0	0.87	278
401430235	2012	8	20	23	V	0.8	0	1.42	262
401430235	2012	8	20	24	V	4.5	0	0.87	292
401430235	2012	8	21	1	V	5.7	0	1.14	247
401430235	2012	8	21	2	V	3.1	0	0.82	253
401430235	2012	8	21	3	C	-999	0	0	0
401430235	2012	8	21	4	V	0.9	0	1.21	244
401430235	2012	8	21	5	V	1.0	0	1.01	225
401430235	2012	8	21	6	V	8.7	0	0.92	273
401430235	2012	8	21	7	V	25.5	0	0.69	325
401430235	2012	8	21	8	V	4.5	0	0.75	51

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	21	9	V	4.9	0	0.74	161
401430235	2012	8	21	10	V	2.1	0	1.13	142
401430235	2012	8	21	11	V	1.9	0	1.82	105
401430235	2012	8	21	12	V	2.3	0	2.98	95
401430235	2012	8	21	13	V	2.5	0	2.62	106
401430235	2012	8	21	14	V	3.3	0	2.08	85
401430235	2012	8	21	15	V	2.2	0	2.67	130
401430235	2012	8	21	16	V	2.7	0	2.2	151
401430235	2012	8	21	17	V	2.3	0	2.61	120
401430235	2012	8	21	18	V	5.9	0	3.08	110
401430235	2012	8	21	19	V	1.6	0	2.71	147
401430235	2012	8	21	20	V	2.5	0	1.08	191
401430235	2012	8	21	21	V	2.7	0	0.53	229
401430235	2012	8	21	22	V	1.6	0	0.75	223
401430235	2012	8	21	23	V	1.4	0	0.75	221
401430235	2012	8	21	24	V	2.4	0	1.06	233
401430235	2012	8	22	1	V	5.6	0	1.89	233
401430235	2012	8	22	2	V	3.0	0	0.92	236
401430235	2012	8	22	3	V	4.6	0	0.99	241
401430235	2012	8	22	4	V	1.3	0	1.06	215
401430235	2012	8	22	5	V	4.2	0	0.57	287
401430235	2012	8	22	6	V	9.5	0	0.62	275
401430235	2012	8	22	7	V	1.8	0	0.63	225
401430235	2012	8	22	8	V	2.9	0	0.99	196
401430235	2012	8	22	9	V	3.4	0	1.08	165
401430235	2012	8	22	10	V	1.9	0	1.33	185
401430235	2012	8	22	11	V	1.8	0	3.88	200
401430235	2012	8	22	12	V	2.4	0	5.27	187
401430235	2012	8	22	13	V	2.6	0	5.62	195
401430235	2012	8	22	14	V	3.3	0	5.19	187
401430235	2012	8	22	15	V	2.2	0	4.97	187
401430235	2012	8	22	16	V	2.7	0	5.38	192
401430235	2012	8	22	17	V	2.3	0	5.31	177
401430235	2012	8	22	18	V	5.9	0	4.82	176
401430235	2012	8	22	19	V	1.6	0	4.41	176
401430235	2012	8	22	20	V	2.0	0	2.81	185
401430235	2012	8	22	21	V	1.6	0	1.62	210
401430235	2012	8	22	22	V	1.3	0	0.96	226
401430235	2012	8	22	23	C	-999	0	0	0
401430235	2012	8	22	24	V	27.3	0	0.62	323
401430235	2012	8	23	1	C	-999	0	0	0
401430235	2012	8	23	2	C	-999	0	0	0
401430235	2012	8	23	3	C	-999	0	0	0
401430235	2012	8	23	4	C	-999	0	0	0
401430235	2012	8	23	5	C	-999	0	0	0
401430235	2012	8	23	6	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	23	7	C	-999	0	0	0
401430235	2012	8	23	8	V	2.1	0	1.43	224
401430235	2012	8	23	9	V	1.6	0	4.39	185
401430235	2012	8	23	10	V	1.2	0	6.58	187
401430235	2012	8	23	11	V	1.7	0	6.65	180
401430235	2012	8	23	12	V	2.4	0	6.43	182
401430235	2012	8	23	13	V	2.6	0	5.29	175
401430235	2012	8	23	14	V	3.2	0	5.67	178
401430235	2012	8	23	15	V	2.1	0	5.24	167
401430235	2012	8	23	16	V	2.6	0	5.58	168
401430235	2012	8	23	17	V	2.4	0	6.58	184
401430235	2012	8	23	18	V	6.0	0	5.46	186
401430235	2012	8	23	19	V	1.7	0	4.94	183
401430235	2012	8	23	20	V	2.0	0	3.49	190
401430235	2012	8	23	21	V	1.5	0	2.03	186
401430235	2012	8	23	22	V	1.0	0	2.9	181
401430235	2012	8	23	23	V	0.8	0	1.86	181
401430235	2012	8	23	24	V	2.3	0	1.94	182
401430235	2012	8	24	1	V	5.8	0	1.47	178
401430235	2012	8	24	2	V	2.9	0	1.33	210
401430235	2012	8	24	3	V	4.7	0	1.54	186
401430235	2012	8	24	4	V	0.8	0	2.69	182
401430235	2012	8	24	5	V	0.7	0	2.88	179
401430235	2012	8	24	6	V	8.4	0	2.76	183
401430235	2012	8	24	7	V	0.9	0	3.27	176
401430235	2012	8	24	8	V	1.5	0	3.35	179
401430235	2012	8	24	9	V	1.5	0	4.95	180
401430235	2012	8	24	10	V	1.2	0	5.94	192
401430235	2012	8	24	11	V	1.7	0	6.24	182
401430235	2012	8	24	12	V	2.3	0	5.27	172
401430235	2012	8	24	13	V	2.5	0	6.21	170
401430235	2012	8	24	14	V	3.1	0	5.82	166
401430235	2012	8	24	15	V	2.1	0	5.27	169
401430235	2012	8	24	16	V	2.6	0	5.89	171
401430235	2012	8	24	17	V	2.2	0	6.16	172
401430235	2012	8	24	18	V	5.9	0	5.24	172
401430235	2012	8	24	19	V	1.7	0	3.98	174
401430235	2012	8	24	20	V	1.9	0	3.01	172
401430235	2012	8	24	21	V	1.4	0	2.59	174
401430235	2012	8	24	22	V	1.0	0	2.59	166
401430235	2012	8	24	23	V	0.7	0	3.97	154
401430235	2012	8	24	24	V	2.2	0	4.24	162
401430235	2012	8	25	1	V	5.6	0	4.32	153
401430235	2012	8	25	2	V	2.7	0	4.54	154
401430235	2012	8	25	3	V	4.4	0	4.24	161
401430235	2012	8	25	4	V	0.8	0	3.85	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	25	5	V	0.7	0	3.46	154
401430235	2012	8	25	6	V	8.4	0	3.98	161
401430235	2012	8	25	7	V	0.9	0	3.97	153
401430235	2012	8	25	8	V	1.3	0	4.76	163
401430235	2012	8	25	9	V	1.4	0	5.92	166
401430235	2012	8	25	10	V	1.0	0	5.84	163
401430235	2012	8	25	11	V	1.6	0	5.7	167
401430235	2012	8	25	12	V	2.3	0	6.69	170
401430235	2012	8	25	13	V	2.5	0	7.18	176
401430235	2012	8	25	14	V	3.2	0	7.03	179
401430235	2012	8	25	15	V	2.1	0	6.58	175
401430235	2012	8	25	16	V	2.6	0	6.47	170
401430235	2012	8	25	17	V	2.2	0	6.3	174
401430235	2012	8	25	18	V	5.8	0	5.51	167
401430235	2012	8	25	19	V	1.6	0	4.71	161
401430235	2012	8	25	20	V	1.9	0	4.22	162
401430235	2012	8	25	21	V	1.4	0	3.49	162
401430235	2012	8	25	22	V	1.1	0	4.08	260
401430235	2012	8	25	23	V	0.8	0	1.93	29
401430235	2012	8	25	24	V	2.4	0	1.88	228
401430235	2012	8	26	1	V	5.6	0	2.54	168
401430235	2012	8	26	2	V	3.2	0	1.3	192
401430235	2012	8	26	3	V	4.9	0	0.74	270
401430235	2012	8	26	4	V	1.0	0	1.82	196
401430235	2012	8	26	5	V	0.7	0	2.57	173
401430235	2012	8	26	6	V	8.4	0	2.59	174
401430235	2012	8	26	7	V	1.2	0	1.71	174
401430235	2012	8	26	8	V	1.9	0	1.28	179
401430235	2012	8	26	9	V	1.7	0	2.06	162
401430235	2012	8	26	10	V	1.2	0	3.59	192
401430235	2012	8	26	11	V	1.7	0	3.8	213
401430235	2012	8	26	12	V	2.3	0	3.25	227
401430235	2012	8	26	13	V	2.6	0	2.59	249
401430235	2012	8	26	14	V	3.1	0	3.01	251
401430235	2012	8	26	15	V	4.6	0	2.38	299
401430235	2012	8	26	16	V	2.8	0	2.13	272
401430235	2012	8	26	17	V	3.7	0	1.94	290
401430235	2012	8	26	18	V	11.1	0	1.93	308
401430235	2012	8	26	19	V	18.4	0	1.2	306
401430235	2012	8	26	20	V	6.9	0	0.74	295
401430235	2012	8	26	21	V	2.0	0	1.08	216
401430235	2012	8	26	22	V	1.3	0	1.18	206
401430235	2012	8	26	23	V	17.3	0	0.72	304
401430235	2012	8	26	24	V	3.2	0	0.69	356
401430235	2012	8	27	1	V	5.6	0	1.67	355
401430235	2012	8	27	2	V	4.8	0	1.01	343

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	27	3	V	6.4	0	1.28	341
401430235	2012	8	27	4	V	0.8	0	1.86	350
401430235	2012	8	27	5	V	0.7	0	1.72	350
401430235	2012	8	27	6	V	8.4	0	2.13	3
401430235	2012	8	27	7	V	1.0	0	2.81	11
401430235	2012	8	27	8	V	1.3	0	3.47	14
401430235	2012	8	27	9	V	1.4	0	3.54	24
401430235	2012	8	27	10	V	1.0	0	3.68	14
401430235	2012	8	27	11	V	1.6	0	3.98	23
401430235	2012	8	27	12	V	2.4	0	4.34	26
401430235	2012	8	27	13	V	2.5	0	4.36	21
401430235	2012	8	27	14	V	3.2	0	4.44	28
401430235	2012	8	27	15	V	2.1	0	4.65	26
401430235	2012	8	27	16	V	3.9	0	5.51	40
401430235	2012	8	27	17	V	3.5	0	5.33	41
401430235	2012	8	27	18	V	6.6	0	5.56	36
401430235	2012	8	27	19	V	2.5	0	4.65	34
401430235	2012	8	27	20	V	2.0	0	3.56	29
401430235	2012	8	27	21	V	1.4	0	2.35	20
401430235	2012	8	27	22	V	1.0	0	2.44	17
401430235	2012	8	27	23	V	0.8	0	3.23	32
401430235	2012	8	27	24	V	2.3	0	3.68	54
401430235	2012	8	28	1	V	5.6	0	2.95	52
401430235	2012	8	28	2	V	2.7	0	2.22	19
401430235	2012	8	28	3	V	4.4	0	1.5	358
401430235	2012	8	28	4	V	0.8	0	1.69	7
401430235	2012	8	28	5	V	0.7	0	2.35	6
401430235	2012	8	28	6	V	8.4	0	2.83	13
401430235	2012	8	28	7	V	1.0	0	2.52	18
401430235	2012	8	28	8	V	1.5	0	2.89	23
401430235	2012	8	28	9	V	2.6	0	3.17	51
401430235	2012	8	28	10	V	1.0	0	5.09	80
401430235	2012	8	28	11	V	1.6	0	5.02	74
401430235	2012	8	28	12	V	2.3	0	4.49	57
401430235	2012	8	28	13	V	2.9	0	4.51	51
401430235	2012	8	28	14	V	3.3	0	4.42	53
401430235	2012	8	28	15	V	2.2	0	4.17	56
401430235	2012	8	28	16	V	2.8	0	4.63	52
401430235	2012	8	28	17	V	2.5	0	4.48	51
401430235	2012	8	28	18	V	6.1	0	4.31	50
401430235	2012	8	28	19	V	4.1	0	2.96	44
401430235	2012	8	28	20	V	2.2	0	0.96	25
401430235	2012	8	28	21	V	2.0	0	0.74	1
401430235	2012	8	28	22	V	30.5	0	0.82	321
401430235	2012	8	28	23	V	6.9	0	0.65	342
401430235	2012	8	28	24	V	2.4	0	1.28	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	29	1	V	5.6	0	1.48	15
401430235	2012	8	29	2	V	2.9	0	1.14	18
401430235	2012	8	29	3	V	6.5	0	0.65	350
401430235	2012	8	29	4	V	9.3	0	0.67	339
401430235	2012	8	29	5	V	11.4	0	0.6	298
401430235	2012	8	29	6	C	-999	0	0	0
401430235	2012	8	29	7	V	3.1	0	0.62	351
401430235	2012	8	29	8	V	1.4	0	2.34	16
401430235	2012	8	29	9	V	2.2	0	2.49	27
401430235	2012	8	29	10	V	3.2	0	2.04	43
401430235	2012	8	29	11	V	1.8	0	3.23	57
401430235	2012	8	29	12	V	2.3	0	4.48	71
401430235	2012	8	29	13	V	2.7	0	4.15	53
401430235	2012	8	29	14	V	3.3	0	4.99	53
401430235	2012	8	29	15	V	2.1	0	5.67	60
401430235	2012	8	29	16	V	2.5	0	5.26	63
401430235	2012	8	29	17	V	2.2	0	5.14	62
401430235	2012	8	29	18	V	5.8	0	4.15	57
401430235	2012	8	29	19	V	5.5	0	2.27	38
401430235	2012	8	29	20	V	2.2	0	0.87	356
401430235	2012	8	29	21	V	9.0	0	0.97	338
401430235	2012	8	29	22	V	1.1	0	1.37	359
401430235	2012	8	29	23	V	0.9	0	1.21	354
401430235	2012	8	29	24	V	2.6	0	0.96	352
401430235	2012	8	30	1	M	-999	0	0.74	285
401430235	2012	8	30	2	M	-999	0	0.7	320
401430235	2012	8	30	3	M	-999	0	1.28	346
401430235	2012	8	30	4	M	-999	0	1.14	345
401430235	2012	8	30	5	M	-999	0	1.28	9
401430235	2012	8	30	6	M	-999	0	1.14	7
401430235	2012	8	30	7	V	0.9	0	2.05	13
401430235	2012	8	30	8	V	1.5	0	2.35	18
401430235	2012	8	30	9	V	3.5	0	2.5	36
401430235	2012	8	30	10	V	3.9	0	2.68	44
401430235	2012	8	30	11	V	4.7	0	3.92	40
401430235	2012	8	30	12	V	3.3	0	5.02	47
401430235	2012	8	30	13	V	2.8	0	6.04	50
401430235	2012	8	30	14	V	3.4	-999	6.69	49
401430235	2012	8	30	15	V	2.4	-999	6.45	48
401430235	2012	8	30	16	V	2.7	0	6.53	50
401430235	2012	8	30	17	V	2.2	0	6.36	55
401430235	2012	8	30	18	V	5.8	0	6.02	58
401430235	2012	8	30	19	V	1.6	0	5.19	61
401430235	2012	8	30	20	V	1.9	0	3.56	127
401430235	2012	8	30	21	V	2.0	0	1.16	217
401430235	2012	8	30	22	V	2.8	0	0.62	351

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	8	30	23	V	0.8	0	4.24	52
401430235	2012	8	30	24	V	2.3	0	3.92	60
401430235	2012	8	31	1	V	7.8	0	4.61	38
401430235	2012	8	31	2	V	2.7	0	3.98	18
401430235	2012	8	31	3	V	4.4	0	3.12	10
401430235	2012	8	31	4	V	0.8	0	3.05	357
401430235	2012	8	31	5	V	0.8	0	3.68	1
401430235	2012	8	31	6	V	8.5	0	4.1	358
401430235	2012	8	31	7	V	1.0	0	4.12	5
401430235	2012	8	31	8	V	2.0	0	2.88	345
401430235	2012	8	31	9	V	6.3	0	2.96	326
401430235	2012	8	31	10	V	7.0	0	2.83	322
401430235	2012	8	31	11	V	8.5	0	3	323
401430235	2012	8	31	12	V	2.3	0	3.88	353
401430235	2012	8	31	13	V	6.0	0	2.08	336
401430235	2012	8	31	14	V	4.5	0	2.91	342
401430235	2012	8	31	15	V	6.7	0	2.84	305
401430235	2012	8	31	16	V	2.6	0	3.83	355
401430235	2012	8	31	17	V	2.7	0	3.54	347
401430235	2012	8	31	18	V	5.8	0	4.34	10
401430235	2012	8	31	19	V	1.6	0	1.89	4
401430235	2012	8	31	20	V	13.3	0	1.5	332
401430235	2012	8	31	21	V	2.3	0	1.09	290
401430235	2012	8	31	22	V	1.2	0	1.11	269
401430235	2012	8	31	23	V	0.9	0	1.21	274
401430235	2012	8	31	24	V	2.3	0	1.4	248
401430235	2012	9	1	1	V	1.4	0	2.08	232
401430235	2012	9	1	2	V	2.3	0	0.87	286
401430235	2012	9	1	3	V	1.1	0	1.65	227
401430235	2012	9	1	4	V	1.6	0	1.48	256
401430235	2012	9	1	5	V	1.9	0	2.08	249
401430235	2012	9	1	6	V	1.6	0	1.93	256
401430235	2012	9	1	7	V	1.7	0	1.25	269
401430235	2012	9	1	8	V	6.3	0	1.84	293
401430235	2012	9	1	9	V	7.4	0	2.08	303
401430235	2012	9	1	10	V	3.7	0	2.44	299
401430235	2012	9	1	11	V	4.0	0	2.67	293
401430235	2012	9	1	12	V	3.2	0	3.2	278
401430235	2012	9	1	13	V	5.5	0	3.39	267
401430235	2012	9	1	14	V	3.5	0	3.17	277
401430235	2012	9	1	15	V	3.6	0	3.23	294
401430235	2012	9	1	16	V	3.4	0	3.12	276
401430235	2012	9	1	17	V	4.9	0	2.67	278
401430235	2012	9	1	18	V	5.4	5	2.21	285
401430235	2012	9	1	19	V	19.7	5	1.14	329
401430235	2012	9	1	20	V	31.2	0	1.23	321

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	1	21	V	2.5	0	0.84	238
401430235	2012	9	1	22	V	29.5	0	0.57	321
401430235	2012	9	1	23	V	17.5	0	0.65	334
401430235	2012	9	1	24	V	2.4	0	0.87	227
401430235	2012	9	2	1	V	1.8	0	0.79	269
401430235	2012	9	2	2	V	17.0	0	1.04	333
401430235	2012	9	2	3	V	1.0	0	2.37	16
401430235	2012	9	2	4	V	1.6	0	1.64	21
401430235	2012	9	2	5	V	5.3	0	1.37	37
401430235	2012	9	2	6	V	31.1	0	0.69	313
401430235	2012	9	2	7	V	2.2	0	0.75	20
401430235	2012	9	2	8	V	5.4	0	0.94	126
401430235	2012	9	2	9	V	2.3	0	1.71	136
401430235	2012	9	2	10	V	3.2	0	1.25	169
401430235	2012	9	2	11	V	3.2	0	1.62	174
401430235	2012	9	2	12	V	3.2	0	1.48	212
401430235	2012	9	2	13	V	5.7	0	1.74	272
401430235	2012	9	2	14	V	3.4	0	1.71	242
401430235	2012	9	2	15	V	2.4	0	3.23	224
401430235	2012	9	2	16	V	3.0	0	3.39	228
401430235	2012	9	2	17	V	4.4	0	2.73	229
401430235	2012	9	2	18	V	4.3	0	2.38	219
401430235	2012	9	2	19	V	2.5	0	0.87	230
401430235	2012	9	2	20	V	3.0	0	1.11	222
401430235	2012	9	2	21	V	2.6	0	1.23	220
401430235	2012	9	2	22	V	3.0	0	1.48	216
401430235	2012	9	2	23	V	3.1	0	1.48	215
401430235	2012	9	2	24	V	2.4	0	1.33	220
401430235	2012	9	3	1	V	1.4	0	1.54	207
401430235	2012	9	3	2	V	2.7	0	0.72	207
401430235	2012	9	3	3	C	-999	0	0	0
401430235	2012	9	3	4	V	2.9	0	0.58	222
401430235	2012	9	3	5	C	-999	0	0	0
401430235	2012	9	3	6	V	4.3	0	0.69	289
401430235	2012	9	3	7	C	-999	0	0	0
401430235	2012	9	3	8	V	6.1	0	0.91	183
401430235	2012	9	3	9	V	2.3	0	1.57	232
401430235	2012	9	3	10	V	1.9	0	1.89	244
401430235	2012	9	3	11	V	3.0	0	1.94	225
401430235	2012	9	3	12	V	3.2	0	1.91	198
401430235	2012	9	3	13	V	5.6	0	2.11	222
401430235	2012	9	3	14	V	3.2	0	2.66	202
401430235	2012	9	3	15	V	2.5	0	2.5	212
401430235	2012	9	3	16	V	3.1	0	4.2	187
401430235	2012	9	3	17	V	4.4	0	4.2	188
401430235	2012	9	3	18	V	4.3	0	3.64	192

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	3	19	V	2.4	0	1.59	206
401430235	2012	9	3	20	V	3.2	0	0.92	217
401430235	2012	9	3	21	V	2.8	0	1.14	192
401430235	2012	9	3	22	V	2.4	0	1.47	207
401430235	2012	9	3	23	V	2.6	0	1.47	210
401430235	2012	9	3	24	V	2.2	0	1.96	211
401430235	2012	9	4	1	V	2.0	0	0.89	200
401430235	2012	9	4	2	V	1.8	0	1.48	210
401430235	2012	9	4	3	V	1.6	0	0.89	217
401430235	2012	9	4	4	V	2.7	0	0.82	195
401430235	2012	9	4	5	V	30.9	0	0.6	315
401430235	2012	9	4	6	C	-999	0	0	0
401430235	2012	9	4	7	V	2.2	0	0.8	211
401430235	2012	9	4	8	V	5.2	0	0.97	234
401430235	2012	9	4	9	V	2.6	0	1.42	228
401430235	2012	9	4	10	V	2.4	0	1.38	211
401430235	2012	9	4	11	V	3.0	0	1.89	227
401430235	2012	9	4	12	V	3.2	0	1.48	3
401430235	2012	9	4	13	V	5.7	0	2.21	175
401430235	2012	9	4	14	V	3.4	0	1.91	168
401430235	2012	9	4	15	V	2.6	0	2.28	148
401430235	2012	9	4	16	V	3.1	0	3.07	112
401430235	2012	9	4	17	V	4.3	0	3.93	126
401430235	2012	9	4	18	V	4.2	0	3.32	152
401430235	2012	9	4	19	V	2.3	0	2.64	183
401430235	2012	9	4	20	V	2.7	0	3.39	183
401430235	2012	9	4	21	V	2.2	0	2.37	195
401430235	2012	9	4	22	V	2.7	0	1.08	221
401430235	2012	9	4	23	V	2.9	0	0.8	229
401430235	2012	9	4	24	V	2.0	0	1.77	208
401430235	2012	9	5	1	V	1.7	0	2.49	214
401430235	2012	9	5	2	V	1.8	0	1.28	205
401430235	2012	9	5	3	V	1.1	0	1.53	279
401430235	2012	9	5	4	V	1.7	0	1.98	49
401430235	2012	9	5	5	V	1.8	0	1.67	4
401430235	2012	9	5	6	V	1.8	0	1.59	50
401430235	2012	9	5	7	V	1.7	0	1.3	95
401430235	2012	9	5	8	V	5.1	0	1.23	34
401430235	2012	9	5	9	V	3.0	0	1.25	85
401430235	2012	9	5	10	V	2.6	0	1.64	49
401430235	2012	9	5	11	V	3.6	0	1.4	51
401430235	2012	9	5	12	V	3.2	0	1.84	137
401430235	2012	9	5	13	V	5.6	0	2.4	144
401430235	2012	9	5	14	V	3.1	0	2.73	114
401430235	2012	9	5	15	V	2.6	0	2.47	66
401430235	2012	9	5	16	V	3.3	0	1.82	117

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	5	17	V	4.4	0	3.1	134
401430235	2012	9	5	18	V	4.1	0	3.8	119
401430235	2012	9	5	19	V	2.3	0	2.37	123
401430235	2012	9	5	20	V	3.0	0	0.99	209
401430235	2012	9	5	21	V	2.8	0	0.7	265
401430235	2012	9	5	22	V	3.5	0	0.6	261
401430235	2012	9	5	23	V	5.6	0	0.69	290
401430235	2012	9	5	24	V	3.1	0	0.77	285
401430235	2012	9	6	1	V	26.3	0	0.55	310
401430235	2012	9	6	2	V	2.2	0	0.8	277
401430235	2012	9	6	3	V	1.2	0	1.04	248
401430235	2012	9	6	4	V	2.5	0	0.62	233
401430235	2012	9	6	5	V	2.2	0	0.91	278
401430235	2012	9	6	6	V	1.5	0	1.74	274
401430235	2012	9	6	7	V	28.2	0	2.27	317
401430235	2012	9	6	8	V	5.2	0	2.33	340
401430235	2012	9	6	9	V	3.2	0	2.47	344
401430235	2012	9	6	10	V	2.1	0	3.1	350
401430235	2012	9	6	11	V	3.1	0	3.05	26
401430235	2012	9	6	12	V	3.2	0	2.71	26
401430235	2012	9	6	13	V	5.8	0	1.67	282
401430235	2012	9	6	14	V	3.6	0	2.89	281
401430235	2012	9	6	15	V	2.7	0	1.48	245
401430235	2012	9	6	16	V	3.1	0	2.66	215
401430235	2012	9	6	17	V	4.4	0	3.13	214
401430235	2012	9	6	18	V	4.2	0	2.16	237
401430235	2012	9	6	19	V	2.4	0	1.38	232
401430235	2012	9	6	20	V	3.3	0	0.6	237
401430235	2012	9	6	21	C	-999	0	0	0
401430235	2012	9	6	22	V	2.3	0	1.84	165
401430235	2012	9	6	23	V	2.4	0	1.87	172
401430235	2012	9	6	24	V	2.2	0	1.6	184
401430235	2012	9	7	1	V	1.5	0	1.5	179
401430235	2012	9	7	2	V	1.8	0	1.82	188
401430235	2012	9	7	3	V	1.2	0	1.91	188
401430235	2012	9	7	4	V	1.6	0	2.22	176
401430235	2012	9	7	5	V	1.9	0	1.77	203
401430235	2012	9	7	6	V	2.8	0	0.57	237
401430235	2012	9	7	7	V	2.0	0	1.01	166
401430235	2012	9	7	8	V	2.9	0	2.71	166
401430235	2012	9	7	9	V	1.7	0	3.35	174
401430235	2012	9	7	10	V	1.7	0	4.05	180
401430235	2012	9	7	11	V	2.9	0	3.27	173
401430235	2012	9	7	12	V	2.9	0	3.9	170
401430235	2012	9	7	13	V	5.5	0	4.19	180
401430235	2012	9	7	14	V	3.1	0	3.71	220

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	7	15	V	2.3	0	4.31	246
401430235	2012	9	7	16	V	2.9	0	9.87	358
401430235	2012	9	7	17	V	4.2	0	9.2	12
401430235	2012	9	7	18	V	4.0	0	8.01	18
401430235	2012	9	7	19	V	2.4	0	5.26	360
401430235	2012	9	7	20	V	2.8	0	5.34	1
401430235	2012	9	7	21	V	2.1	0	3.32	3
401430235	2012	9	7	22	V	2.3	0	3.27	357
401430235	2012	9	7	23	V	2.4	0	3.83	360
401430235	2012	9	7	24	V	2.0	0	4.92	5
401430235	2012	9	8	1	V	1.4	0	5.28	9
401430235	2012	9	8	2	V	1.6	0	4.2	8
401430235	2012	9	8	3	V	1.0	0	3.34	5
401430235	2012	9	8	4	V	1.5	0	2.32	356
401430235	2012	9	8	5	V	2.6	0	1.91	342
401430235	2012	9	8	6	V	16.1	0	1.45	331
401430235	2012	9	8	7	V	5.8	0	0.89	296
401430235	2012	9	8	8	V	3.3	0	2.74	349
401430235	2012	9	8	9	V	1.6	0	4.12	18
401430235	2012	9	8	10	V	1.5	0	4.07	16
401430235	2012	9	8	11	V	2.7	0	4.7	7
401430235	2012	9	8	12	V	2.7	0	5.45	9
401430235	2012	9	8	13	V	5.3	0	5.41	8
401430235	2012	9	8	14	V	3.0	0	5.04	14
401430235	2012	9	8	15	V	2.3	0	4.46	18
401430235	2012	9	8	16	V	2.9	0	3.98	11
401430235	2012	9	8	17	V	4.3	0	3.98	23
401430235	2012	9	8	18	V	4.1	0	2.71	19
401430235	2012	9	8	19	V	2.3	0	1.54	7
401430235	2012	9	8	20	V	37.6	0	0.89	317
401430235	2012	9	8	21	V	2.9	0	0.69	275
401430235	2012	9	8	22	C	-999	0	0	0
401430235	2012	9	8	23	V	3.4	0	0.63	256
401430235	2012	9	8	24	V	3.2	0	0.69	205
401430235	2012	9	9	1	V	2.5	0	0.62	215
401430235	2012	9	9	2	V	2.2	0	0.74	251
401430235	2012	9	9	3	V	2.3	0	0.58	248
401430235	2012	9	9	4	M	-999	0	0.69	200
401430235	2012	9	9	5	M	-999	0	0.7	218
401430235	2012	9	9	6	M	-999	0	0.99	200
401430235	2012	9	9	7	M	-999	0	0.55	209
401430235	2012	9	9	8	V	6.0	0	0.75	182
401430235	2012	9	9	9	V	11.4	8	1.11	326
401430235	2012	9	9	10	V	5.8	1	2.16	305
401430235	2012	9	9	11	V	4.2	0	2.28	296
401430235	2012	9	9	12	V	4.2	4	2.32	300

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	9	13	V	6.6	0	2.13	318
401430235	2012	9	9	14	V	3.1	0	4.51	25
401430235	2012	9	9	15	V	2.3	0	4.53	19
401430235	2012	9	9	16	V	3.2	0	4.99	30
401430235	2012	9	9	17	V	4.9	0	4.73	37
401430235	2012	9	9	18	V	4.8	0	4.95	38
401430235	2012	9	9	19	V	5.9	2	4.26	40
401430235	2012	9	9	20	V	2.6	1	3.4	31
401430235	2012	9	9	21	V	4.6	0	3.2	44
401430235	2012	9	9	22	V	2.7	0	2.71	47
401430235	2012	9	9	23	V	2.4	0	2.84	55
401430235	2012	9	9	24	V	2.5	0	1.82	48
401430235	2012	9	10	1	V	1.4	0	1.43	24
401430235	2012	9	10	2	V	1.7	0	1.28	5
401430235	2012	9	10	3	V	1.1	0	1.55	7
401430235	2012	9	10	4	V	1.7	0	1.25	11
401430235	2012	9	10	5	V	1.9	0	1.26	11
401430235	2012	9	10	6	V	2.4	0	0.69	26
401430235	2012	9	10	7	V	2.5	0	0.65	13
401430235	2012	9	10	8	V	4.3	0	1.16	61
401430235	2012	9	10	9	V	1.7	-999	3.12	146
401430235	2012	9	10	10	V	1.6	-999	3.1	142
401430235	2012	9	10	11	V	2.9	0	2.49	128
401430235	2012	9	10	12	V	2.9	0	2.64	127
401430235	2012	9	10	13	V	5.5	0	2.47	145
401430235	2012	9	10	14	V	3.2	0	2.57	168
401430235	2012	9	10	15	V	2.6	0	2.03	168
401430235	2012	9	10	16	V	3.3	0	1.96	167
401430235	2012	9	10	17	V	4.4	0	2.89	138
401430235	2012	9	10	18	V	4.1	0	3.66	113
401430235	2012	9	10	19	V	2.3	0	2.57	124
401430235	2012	9	10	20	V	2.6	0	2.32	129
401430235	2012	9	10	21	V	2.1	0	2.22	140
401430235	2012	9	10	22	V	2.3	0	2.5	153
401430235	2012	9	10	23	V	2.6	0	1.5	181
401430235	2012	9	10	24	V	2.0	0	1.91	165
401430235	2012	9	11	1	V	1.4	0	1.3	225
401430235	2012	9	11	2	V	1.8	0	1.37	209
401430235	2012	9	11	3	V	1.2	0	1.5	177
401430235	2012	9	11	4	V	2.1	0	1.23	187
401430235	2012	9	11	5	V	2.1	0	1.21	211
401430235	2012	9	11	6	V	1.7	0	1.45	170
401430235	2012	9	11	7	V	1.8	0	1.31	169
401430235	2012	9	11	8	V	2.8	0	3.42	170
401430235	2012	9	11	9	V	1.7	0	4.27	178
401430235	2012	9	11	10	V	1.7	0	5.14	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	11	11	V	2.9	0	5.11	192
401430235	2012	9	11	12	V	2.9	0	6.07	189
401430235	2012	9	11	13	V	5.4	1	6.14	179
401430235	2012	9	11	14	V	3.1	1	6.41	179
401430235	2012	9	11	15	V	2.4	0	5.99	182
401430235	2012	9	11	16	V	3.0	0	5.97	171
401430235	2012	9	11	17	V	4.3	0	5.53	171
401430235	2012	9	11	18	V	4.1	0	5.53	171
401430235	2012	9	11	19	V	2.3	0	4.2	171
401430235	2012	9	11	20	V	2.7	0	3.71	182
401430235	2012	9	11	21	V	2.2	0	2.91	196
401430235	2012	9	11	22	V	2.3	0	2.76	200
401430235	2012	9	11	23	V	2.5	0	2.54	194
401430235	2012	9	11	24	V	2.0	0	3.8	177
401430235	2012	9	12	1	V	1.3	0	3.95	182
401430235	2012	9	12	2	V	1.6	0	3.2	178
401430235	2012	9	12	3	V	1.0	0	3.59	170
401430235	2012	9	12	4	V	1.5	0	3.78	168
401430235	2012	9	12	5	V	1.8	0	3.66	165
401430235	2012	9	12	6	V	1.5	0	2.88	176
401430235	2012	9	12	7	V	1.6	0	2.91	173
401430235	2012	9	12	8	V	2.7	0	4.9	171
401430235	2012	9	12	9	V	1.7	0	6.5	183
401430235	2012	9	12	10	V	1.6	0	7.47	182
401430235	2012	9	12	11	V	2.8	0	7.23	183
401430235	2012	9	12	12	V	2.8	0	6.52	173
401430235	2012	9	12	13	V	5.4	0	6.43	173
401430235	2012	9	12	14	V	3.0	0	5.75	171
401430235	2012	9	12	15	V	2.3	0	6.46	167
401430235	2012	9	12	16	V	3.0	0	6.07	174
401430235	2012	9	12	17	V	4.3	0	5.19	161
401430235	2012	9	12	18	V	4.1	0	4.78	162
401430235	2012	9	12	19	V	2.3	0	3.46	169
401430235	2012	9	12	20	V	2.8	0	2.03	197
401430235	2012	9	12	21	V	2.8	0	1.65	217
401430235	2012	9	12	22	V	2.8	0	1.2	186
401430235	2012	9	12	23	V	2.8	0	1.03	163
401430235	2012	9	12	24	V	2.1	0	1.6	169
401430235	2012	9	13	1	V	1.4	0	1.42	156
401430235	2012	9	13	2	V	1.6	0	1.76	154
401430235	2012	9	13	3	V	1.1	0	1.84	204
401430235	2012	9	13	4	V	2.0	0	0.97	221
401430235	2012	9	13	5	V	2.3	0	0.75	243
401430235	2012	9	13	6	V	2.3	0	1.38	293
401430235	2012	9	13	7	V	2.2	0	0.72	24
401430235	2012	9	13	8	V	3.0	0	1.13	92

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	13	9	V	1.9	0	1.52	102
401430235	2012	9	13	10	V	1.7	0	2.28	65
401430235	2012	9	13	11	V	3.2	0	1.91	91
401430235	2012	9	13	12	V	3.0	0	2.33	122
401430235	2012	9	13	13	V	5.7	0	2.06	140
401430235	2012	9	13	14	V	3.3	0	1.5	109
401430235	2012	9	13	15	V	4.2	1	3.34	297
401430235	2012	9	13	16	V	7.8	1	3.27	311
401430235	2012	9	13	17	V	4.2	0	4.36	357
401430235	2012	9	13	18	V	4.0	0	6.34	7
401430235	2012	9	13	19	V	2.4	0	5.48	11
401430235	2012	9	13	20	V	2.7	0	5.38	17
401430235	2012	9	13	21	V	2.2	0	5.51	20
401430235	2012	9	13	22	V	2.4	0	3.46	16
401430235	2012	9	13	23	V	2.5	0	2.81	8
401430235	2012	9	13	24	V	2.1	0	2.93	358
401430235	2012	9	14	1	V	1.4	-999	3.47	4
401430235	2012	9	14	2	V	1.7	-999	3.56	16
401430235	2012	9	14	3	V	1.1	1	4.26	17
401430235	2012	9	14	4	V	1.6	0	3.37	8
401430235	2012	9	14	5	V	1.9	0	3.2	10
401430235	2012	9	14	6	V	1.6	0	3.78	12
401430235	2012	9	14	7	V	1.6	0	3.47	7
401430235	2012	9	14	8	V	2.7	0	3.49	8
401430235	2012	9	14	9	V	1.6	0	3.73	15
401430235	2012	9	14	10	V	1.5	0	4.12	15
401430235	2012	9	14	11	V	2.7	0	3.91	13
401430235	2012	9	14	12	V	2.7	0	3.71	10
401430235	2012	9	14	13	V	5.3	0	3.81	11
401430235	2012	9	14	14	V	3.0	0	4.12	14
401430235	2012	9	14	15	V	2.3	0	3.86	12
401430235	2012	9	14	16	V	2.9	0	3.13	8
401430235	2012	9	14	17	V	4.3	0	2.95	4
401430235	2012	9	14	18	V	4.1	0	2.61	1
401430235	2012	9	14	19	V	2.4	0	2.52	358
401430235	2012	9	14	20	V	2.7	0	2.42	1
401430235	2012	9	14	21	V	2.2	0	2.35	2
401430235	2012	9	14	22	V	2.4	0	2.57	7
401430235	2012	9	14	23	V	2.4	0	1.86	357
401430235	2012	9	14	24	V	2.0	0	1.81	357
401430235	2012	9	15	1	V	1.4	0	1.47	349
401430235	2012	9	15	2	V	2.0	0	1.13	347
401430235	2012	9	15	3	V	13.2	0	1.16	334
401430235	2012	9	15	4	V	34.7	0	0.96	311
401430235	2012	9	15	5	V	37.1	0	1.3	313
401430235	2012	9	15	6	V	25.9	0	1.03	326

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	15	7	V	11.0	0	0.92	337
401430235	2012	9	15	8	V	13.2	0	1.13	325
401430235	2012	9	15	9	V	6.7	0	0.89	337
401430235	2012	9	15	10	V	4.0	0	0.65	262
401430235	2012	9	15	11	V	3.4	0	1.11	236
401430235	2012	9	15	12	V	3.3	0	1.21	252
401430235	2012	9	15	13	V	7.1	0	1.38	286
401430235	2012	9	15	14	V	3.6	0	1.18	254
401430235	2012	9	15	15	V	2.8	0	1.2	240
401430235	2012	9	15	16	V	4.0	0	0.82	237
401430235	2012	9	15	17	V	5.0	0	0.82	255
401430235	2012	9	15	18	V	4.3	0	1.18	282
401430235	2012	9	15	19	V	4.7	0	0.97	295
401430235	2012	9	15	20	V	2.9	0	1.01	275
401430235	2012	9	15	21	V	4.5	0	0.99	295
401430235	2012	9	15	22	V	11.4	0	1.33	335
401430235	2012	9	15	23	V	27.4	0	0.82	308
401430235	2012	9	15	24	V	2.5	0	0.77	267
401430235	2012	9	16	1	V	1.8	0	0.77	275
401430235	2012	9	16	2	V	1.8	0	0.97	258
401430235	2012	9	16	3	V	4.1	0	0.86	294
401430235	2012	9	16	4	C	-999	0	0	0
401430235	2012	9	16	5	V	3.7	0	0.63	352
401430235	2012	9	16	6	V	2.3	0	0.65	231
401430235	2012	9	16	7	V	1.8	0	1.03	251
401430235	2012	9	16	8	V	3.3	0	1.23	246
401430235	2012	9	16	9	V	3.8	0	0.91	231
401430235	2012	9	16	10	V	3.2	0	1.21	215
401430235	2012	9	16	11	V	3.3	0	1.55	208
401430235	2012	9	16	12	V	3.1	0	1.86	194
401430235	2012	9	16	13	V	5.6	0	2.27	193
401430235	2012	9	16	14	V	3.3	0	1.94	196
401430235	2012	9	16	15	V	2.6	0	2.21	184
401430235	2012	9	16	16	V	3.1	0	2.39	177
401430235	2012	9	16	17	V	4.5	0	2.4	195
401430235	2012	9	16	18	V	4.1	0	2.52	158
401430235	2012	9	16	19	V	2.3	0	2.21	170
401430235	2012	9	16	20	V	3.1	0	1.4	188
401430235	2012	9	16	21	V	2.5	0	1.6	190
401430235	2012	9	16	22	V	2.6	0	1.79	193
401430235	2012	9	16	23	V	2.8	0	0.8	237
401430235	2012	9	16	24	V	4.1	0	0.55	206
401430235	2012	9	17	1	V	2.2	0	0.69	220
401430235	2012	9	17	2	V	2.7	0	0.74	175
401430235	2012	9	17	3	V	3.4	0	0.52	202
401430235	2012	9	17	4	V	3.5	0	0.52	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	17	5	V	3.0	0	0.63	276
401430235	2012	9	17	6	V	2.2	0	0.84	206
401430235	2012	9	17	7	V	1.8	0	1.33	209
401430235	2012	9	17	8	V	3.9	0	1	227
401430235	2012	9	17	9	V	6.1	0	0.72	269
401430235	2012	9	17	10	V	2.9	1	1.23	170
401430235	2012	9	17	11	V	3.4	1	1.6	143
401430235	2012	9	17	12	V	3.1	1	1.7	174
401430235	2012	9	17	13	V	5.7	0	1.79	132
401430235	2012	9	17	14	V	3.3	0	2.04	95
401430235	2012	9	17	15	V	2.5	0	2.23	107
401430235	2012	9	17	16	V	3.2	0	1.93	104
401430235	2012	9	17	17	V	4.4	0	2.23	86
401430235	2012	9	17	18	V	4.1	0	2.57	117
401430235	2012	9	17	19	V	2.4	0	1.52	202
401430235	2012	9	17	20	V	3.4	0	0.62	244
401430235	2012	9	17	21	V	2.8	0	0.69	234
401430235	2012	9	17	22	V	4.3	0	1.43	299
401430235	2012	9	17	23	V	2.5	0	5.58	7
401430235	2012	9	17	24	V	2.0	0	6.41	19
401430235	2012	9	18	1	V	1.4	0	6.67	16
401430235	2012	9	18	2	V	1.7	0	5.6	16
401430235	2012	9	18	3	V	1.1	0	5.27	15
401430235	2012	9	18	4	V	1.7	0	5.41	17
401430235	2012	9	18	5	V	1.9	0	4.12	18
401430235	2012	9	18	6	V	1.5	0	2.76	9
401430235	2012	9	18	7	V	1.6	0	1.64	354
401430235	2012	9	18	8	V	2.8	0	2.66	8
401430235	2012	9	18	9	V	1.7	0	2.62	13
401430235	2012	9	18	10	V	3.0	0	2.49	32
401430235	2012	9	18	11	V	3.0	1	3.95	27
401430235	2012	9	18	12	V	3.3	0	3.9	29
401430235	2012	9	18	13	V	5.5	0	4.03	25
401430235	2012	9	18	14	V	3.3	0	3.29	27
401430235	2012	9	18	15	V	2.9	0	2.74	45
401430235	2012	9	18	16	V	3.5	0	2.4	32
401430235	2012	9	18	17	V	4.8	0	1.35	63
401430235	2012	9	18	18	V	4.1	0	1.82	122
401430235	2012	9	18	19	V	2.3	0	2.38	135
401430235	2012	9	18	20	V	3.4	0	0.75	219
401430235	2012	9	18	21	V	2.9	0	0.67	255
401430235	2012	9	18	22	C	-999	0	0	0
401430235	2012	9	18	23	V	3.3	0	0.65	225
401430235	2012	9	18	24	V	3.2	0	0.58	231
401430235	2012	9	19	1	V	1.6	0	0.94	235
401430235	2012	9	19	2	V	1.9	0	0.91	225

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	19	3	V	1.6	0	1.06	215
401430235	2012	9	19	4	V	2.1	0	0.74	232
401430235	2012	9	19	5	V	3.2	0	0.58	270
401430235	2012	9	19	6	C	-999	0	0	0
401430235	2012	9	19	7	V	2.0	0	0.87	225
401430235	2012	9	19	8	V	3.4	0	1.69	211
401430235	2012	9	19	9	V	1.8	0	4.05	188
401430235	2012	9	19	10	V	1.7	1	6.45	188
401430235	2012	9	19	11	V	2.8	1	6.92	191
401430235	2012	9	19	12	V	2.9	1	6.53	194
401430235	2012	9	19	13	V	5.4	0	6.74	198
401430235	2012	9	19	14	V	3.1	0	6.72	192
401430235	2012	9	19	15	V	2.4	0	6.7	191
401430235	2012	9	19	16	V	3.1	0	5.75	193
401430235	2012	9	19	17	V	4.4	0	5.79	190
401430235	2012	9	19	18	V	4.2	0	4.85	184
401430235	2012	9	19	19	V	2.3	0	3	182
401430235	2012	9	19	20	V	2.7	0	2.3	186
401430235	2012	9	19	21	V	2.2	0	1.5	204
401430235	2012	9	19	22	V	2.7	0	1.5	195
401430235	2012	9	19	23	V	2.5	0	3.15	194
401430235	2012	9	19	24	V	2.0	0	2.98	198
401430235	2012	9	20	1	V	1.6	0	1.57	212
401430235	2012	9	20	2	V	2.3	0	1.06	186
401430235	2012	9	20	3	V	1.4	0	1.5	196
401430235	2012	9	20	4	V	1.7	0	1.5	201
401430235	2012	9	20	5	V	2.4	0	0.75	225
401430235	2012	9	20	6	V	3.1	0	0.55	224
401430235	2012	9	20	7	V	1.9	0	1.13	204
401430235	2012	9	20	8	V	3.2	0	1.93	203
401430235	2012	9	20	9	V	2.0	0	2.35	182
401430235	2012	9	20	10	V	1.8	0	3.07	187
401430235	2012	9	20	11	V	3.0	0	2.91	204
401430235	2012	9	20	12	V	3.2	0	1.77	215
401430235	2012	9	20	13	V	5.7	0	1.96	95
401430235	2012	9	20	14	V	3.3	0	2.03	110
401430235	2012	9	20	15	V	2.5	0	2.25	96
401430235	2012	9	20	16	V	3.2	0	2.08	94
401430235	2012	9	20	17	V	4.4	0	2.27	93
401430235	2012	9	20	18	V	4.1	0	3.18	64
401430235	2012	9	20	19	V	2.3	0	3.51	57
401430235	2012	9	20	20	V	2.6	0	3.35	51
401430235	2012	9	20	21	V	2.1	0	3.12	57
401430235	2012	9	20	22	V	9.1	0	2.06	40
401430235	2012	9	20	23	V	3.2	0	0.67	9
401430235	2012	9	20	24	V	2.3	0	1.14	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	21	1	V	17.5	0	0.52	302
401430235	2012	9	21	2	C	-999	0	0	0
401430235	2012	9	21	3	V	1.3	0	1.21	210
401430235	2012	9	21	4	V	2.2	0	0.91	217
401430235	2012	9	21	5	V	1.9	0	1.38	358
401430235	2012	9	21	6	C	-999	0	0	0
401430235	2012	9	21	7	V	2.5	0	0.65	251
401430235	2012	9	21	8	V	3.3	0	1.96	200
401430235	2012	9	21	9	V	1.8	0	4.19	190
401430235	2012	9	21	10	V	1.7	0	2.93	214
401430235	2012	9	21	11	V	2.7	0	3.47	254
401430235	2012	9	21	12	V	3.2	0	2.52	276
401430235	2012	9	21	13	V	7.4	-999	2.37	319
401430235	2012	9	21	14	V	3.8	2	1.77	350
401430235	2012	9	21	15	V	2.7	2	1.87	202
401430235	2012	9	21	16	V	3.6	1	1.71	277
401430235	2012	9	21	17	V	5.5	1	2.1	287
401430235	2012	9	21	18	V	4.7	0	3.46	38
401430235	2012	9	21	19	V	2.4	0	1.3	15
401430235	2012	9	21	20	V	18.9	0	0.91	304
401430235	2012	9	21	21	V	2.3	0	1.79	345
401430235	2012	9	21	22	V	2.3	0	2.37	6
401430235	2012	9	21	23	V	2.4	0	3.2	13
401430235	2012	9	21	24	V	6.9	0	1.62	43
401430235	2012	9	22	1	V	1.3	0	1.6	20
401430235	2012	9	22	2	V	1.6	0	1.59	15
401430235	2012	9	22	3	V	1.8	0	1.21	345
401430235	2012	9	22	4	V	1.8	0	1.01	270
401430235	2012	9	22	5	V	2.5	0	0.72	270
401430235	2012	9	22	6	V	3.2	0	0.53	235
401430235	2012	9	22	7	V	2.8	0	0.6	11
401430235	2012	9	22	8	V	3.4	0	1.69	19
401430235	2012	9	22	9	V	1.8	1	2.81	19
401430235	2012	9	22	10	V	3.8	1	2.64	45
401430235	2012	9	22	11	V	3.1	0	1.93	108
401430235	2012	9	22	12	V	2.8	1	5.07	23
401430235	2012	9	22	13	V	5.3	0	6.02	25
401430235	2012	9	22	14	V	3.4	0	5.51	35
401430235	2012	9	22	15	V	2.6	0	4.85	34
401430235	2012	9	22	16	V	3.0	0	5.5	27
401430235	2012	9	22	17	V	4.4	0	5.7	30
401430235	2012	9	22	18	V	4.0	0	5.51	28
401430235	2012	9	22	19	V	2.4	0	5.12	28
401430235	2012	9	22	20	V	3.4	0	4.94	34
401430235	2012	9	22	21	V	2.9	0	5.38	34
401430235	2012	9	22	22	V	3.4	0	5.31	35

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	22	23	V	5.0	0	5.38	40
401430235	2012	9	22	24	V	3.2	0	4.65	46
401430235	2012	9	23	1	V	1.9	0	4.93	48
401430235	2012	9	23	2	V	1.6	0	4.07	57
401430235	2012	9	23	3	V	1.8	0	5.14	34
401430235	2012	9	23	4	V	1.6	0	4.12	74
401430235	2012	9	23	5	V	5.0	0	3.83	43
401430235	2012	9	23	6	V	4.8	0	4.41	40
401430235	2012	9	23	7	V	3.1	0	3.9	36
401430235	2012	9	23	8	V	3.7	0	4.66	34
401430235	2012	9	23	9	V	1.6	0	3.4	127
401430235	2012	9	23	10	V	1.7	0	2.5	82
401430235	2012	9	23	11	V	4.9	0	2.78	43
401430235	2012	9	23	12	V	3.3	0	3.44	50
401430235	2012	9	23	13	V	5.5	0	3.86	54
401430235	2012	9	23	14	V	3.0	0	3.64	83
401430235	2012	9	23	15	V	2.3	0	3.78	91
401430235	2012	9	23	16	V	2.9	0	4.27	101
401430235	2012	9	23	17	V	4.2	0	4.71	89
401430235	2012	9	23	18	V	4.2	1	3.73	103
401430235	2012	9	23	19	V	2.3	1	3.25	64
401430235	2012	9	23	20	V	2.6	1	3.29	57
401430235	2012	9	23	21	V	2.1	1	2.88	65
401430235	2012	9	23	22	V	2.3	0	2.81	71
401430235	2012	9	23	23	V	2.4	0	2.73	56
401430235	2012	9	23	24	V	1.9	0	2.91	83
401430235	2012	9	24	1	V	1.3	0	3.12	93
401430235	2012	9	24	2	V	1.6	0	3.52	109
401430235	2012	9	24	3	V	1.0	0	3.63	123
401430235	2012	9	24	4	V	1.5	0	3.68	132
401430235	2012	9	24	5	V	1.8	0	3.78	148
401430235	2012	9	24	6	V	1.5	0	3.88	163
401430235	2012	9	24	7	V	1.5	0	4.59	168
401430235	2012	9	24	8	V	2.7	0	4.22	168
401430235	2012	9	24	9	V	1.7	0	4.66	175
401430235	2012	9	24	10	V	1.6	0	6.41	183
401430235	2012	9	24	11	V	2.9	0	6.99	189
401430235	2012	9	24	12	V	2.8	0	6.6	200
401430235	2012	9	24	13	V	5.4	0	6.02	193
401430235	2012	9	24	14	V	3.1	0	5.78	199
401430235	2012	9	24	15	V	2.4	0	6.26	196
401430235	2012	9	24	16	V	3.0	0	6.72	199
401430235	2012	9	24	17	V	4.4	0	5.73	188
401430235	2012	9	24	18	V	4.2	0	4.87	184
401430235	2012	9	24	19	V	2.3	0	3.98	178
401430235	2012	9	24	20	V	2.6	0	3.08	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	24	21	V	2.1	0	2.5	171
401430235	2012	9	24	22	V	2.5	0	1.65	185
401430235	2012	9	24	23	V	2.4	0	2.81	179
401430235	2012	9	24	24	V	2.0	0	3.05	181
401430235	2012	9	25	1	V	1.4	0	4.94	189
401430235	2012	9	25	2	V	1.7	0	3.63	192
401430235	2012	9	25	3	V	1.1	0	4.92	198
401430235	2012	9	25	4	V	1.7	0	5.39	200
401430235	2012	9	25	5	V	1.9	0	4.83	198
401430235	2012	9	25	6	V	1.6	0	4.75	195
401430235	2012	9	25	7	V	1.6	0	4.19	194
401430235	2012	9	25	8	V	2.9	0	5.17	192
401430235	2012	9	25	9	V	1.6	0	6.09	202
401430235	2012	9	25	10	V	1.5	0	6.94	208
401430235	2012	9	25	11	V	2.7	0	6.7	207
401430235	2012	9	25	12	V	2.8	0	6.94	212
401430235	2012	9	25	13	V	5.4	0	7.72	203
401430235	2012	9	25	14	V	3.1	0	7.03	198
401430235	2012	9	25	15	V	2.4	0	8.06	193
401430235	2012	9	25	16	V	3.0	0	7.57	197
401430235	2012	9	25	17	V	4.4	1	7.43	193
401430235	2012	9	25	18	V	4.3	2	6.67	192
401430235	2012	9	25	19	V	2.4	2	4.99	186
401430235	2012	9	25	20	V	2.7	1	3.78	188
401430235	2012	9	25	21	V	2.1	0	2.08	171
401430235	2012	9	25	22	V	2.3	0	2.81	175
401430235	2012	9	25	23	V	2.5	0	5.38	182
401430235	2012	9	25	24	V	2.1	0	7.91	208
401430235	2012	9	26	1	V	1.5	0	7.71	205
401430235	2012	9	26	2	V	1.7	0	5.58	201
401430235	2012	9	26	3	V	1.0	0	1.55	265
401430235	2012	9	26	4	V	1.6	0	1.84	180
401430235	2012	9	26	5	V	1.8	0	2.2	163
401430235	2012	9	26	6	V	1.5	0	1.74	158
401430235	2012	9	26	7	V	1.6	0	1.28	234
401430235	2012	9	26	8	V	3.5	0	1.33	102
401430235	2012	9	26	9	V	15.2	0	1.79	320
401430235	2012	9	26	10	V	1.5	0	3.46	25
401430235	2012	9	26	11	V	2.8	0	2.66	69
401430235	2012	9	26	12	V	2.8	0	3.07	103
401430235	2012	9	26	13	V	5.3	0	3.93	132
401430235	2012	9	26	14	V	3.0	0	4.31	140
401430235	2012	9	26	15	V	2.3	0	3.2	125
401430235	2012	9	26	16	V	2.9	0	3.34	114
401430235	2012	9	26	17	V	4.3	0	3.71	156
401430235	2012	9	26	18	V	4.2	0	3.12	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	26	19	V	2.6	0	1.11	207
401430235	2012	9	26	20	V	2.6	0	2.86	174
401430235	2012	9	26	21	V	3.0	0	2.36	348
401430235	2012	9	26	22	V	2.4	0	3.36	191
401430235	2012	9	26	23	C	-999	0	0	0
401430235	2012	9	26	24	V	2.4	0	2.36	218
401430235	2012	9	27	1	V	1.5	0	5.36	224
401430235	2012	9	27	2	V	1.8	0	4.36	228
401430235	2012	9	27	3	V	1.1	0	2.86	202
401430235	2012	9	27	4	C	-999	0	0	0
401430235	2012	9	27	5	V	1.8	0	1.76	13
401430235	2012	9	27	6	V	1.6	0	1.37	358
401430235	2012	9	27	7	V	1.5	0	2.28	29
401430235	2012	9	27	8	V	3.4	0	1.2	7
401430235	2012	9	27	9	V	2.6	0	2.1	33
401430235	2012	9	27	10	V	3.5	0	3.15	40
401430235	2012	9	27	11	V	3.6	0	3.08	33
401430235	2012	9	27	12	V	3.1	-999	2.74	56
401430235	2012	9	27	13	V	5.8	-999	1.74	166
401430235	2012	9	27	14	V	3.5	-999	1.55	259
401430235	2012	9	27	15	V	3.6	-999	1.62	287
401430235	2012	9	27	16	V	4.2	0	1.48	298
401430235	2012	9	27	17	V	5.5	0	1.35	353
401430235	2012	9	27	18	C	-999	0	0	0
401430235	2012	9	27	19	V	19.8	0	0.58	303
401430235	2012	9	27	20	V	3.0	0	1.03	204
401430235	2012	9	27	21	V	18.2	0	0.57	333
401430235	2012	9	27	22	V	3.3	0	0.8	286
401430235	2012	9	27	23	C	-999	0	0	0
401430235	2012	9	27	24	V	19.4	0	0.53	331
401430235	2012	9	28	1	V	1.7	0	0.8	265
401430235	2012	9	28	2	V	2.5	0	0.65	240
401430235	2012	9	28	3	V	18.2	0	0.53	303
401430235	2012	9	28	4	C	-999	0	0	0
401430235	2012	9	28	5	C	-999	0	0	0
401430235	2012	9	28	6	V	5.5	0	0.79	343
401430235	2012	9	28	7	V	9.9	0	0.63	340
401430235	2012	9	28	8	V	4.7	0	1.01	20
401430235	2012	9	28	9	V	3.4	0	1.11	39
401430235	2012	9	28	10	V	2.7	0	1.3	93
401430235	2012	9	28	11	V	3.2	0	1.7	83
401430235	2012	9	28	12	V	3.3	0	1.64	60
401430235	2012	9	28	13	V	5.7	0	1.65	30
401430235	2012	9	28	14	V	3.2	0	2.33	9
401430235	2012	9	28	15	V	2.6	0	1.96	16
401430235	2012	9	28	16	V	3.4	0	1.67	48

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	28	17	V	4.5	0	2.03	165
401430235	2012	9	28	18	V	4.2	0	1.72	201
401430235	2012	9	28	19	V	2.4	0	1.09	10
401430235	2012	9	28	20	V	3.6	0	2.15	36
401430235	2012	9	28	21	V	2.1	0	2.06	22
401430235	2012	9	28	22	V	2.3	0	2.44	21
401430235	2012	9	28	23	V	2.4	0	3.07	21
401430235	2012	9	28	24	V	2.0	0	3.63	27
401430235	2012	9	29	1	V	1.3	0	3.13	22
401430235	2012	9	29	2	V	1.6	0	3.2	21
401430235	2012	9	29	3	V	1.1	0	3.03	25
401430235	2012	9	29	4	V	1.6	0	2.84	26
401430235	2012	9	29	5	V	1.9	0	2.95	17
401430235	2012	9	29	6	V	1.6	0	2.93	4
401430235	2012	9	29	7	V	1.6	0	2.3	20
401430235	2012	9	29	8	V	2.9	0	2.89	26
401430235	2012	9	29	9	V	2.0	0	3.27	31
401430235	2012	9	29	10	V	3.5	0	3.29	39
401430235	2012	9	29	11	V	4.5	0	3.39	39
401430235	2012	9	29	12	V	3.0	0	2.64	27
401430235	2012	9	29	13	V	5.6	0	2.74	29
401430235	2012	9	29	14	V	3.3	0	2.59	357
401430235	2012	9	29	15	V	2.3	0	2.86	5
401430235	2012	9	29	16	V	2.9	0	3.54	64
401430235	2012	9	29	17	V	4.7	0	1.2	31
401430235	2012	9	29	18	V	4.5	0	0.75	86
401430235	2012	9	29	19	V	10.6	0	0.62	340
401430235	2012	9	29	20	V	13.5	0	0.62	298
401430235	2012	9	29	21	V	8.7	0	0.63	294
401430235	2012	9	29	22	V	25.8	0	0.63	327
401430235	2012	9	29	23	V	2.4	0	1.86	3
401430235	2012	9	29	24	V	2.0	0	1.76	1
401430235	2012	9	30	1	V	1.3	0	1.7	6
401430235	2012	9	30	2	V	1.6	0	1.64	12
401430235	2012	9	30	3	V	1.1	0	2.05	10
401430235	2012	9	30	4	V	1.6	0	2.45	7
401430235	2012	9	30	5	V	1.8	0	2.57	12
401430235	2012	9	30	6	V	1.5	0	1.89	18
401430235	2012	9	30	7	V	1.6	0	1.91	14
401430235	2012	9	30	8	V	2.7	0	2.74	19
401430235	2012	9	30	9	V	1.7	0	2.61	17
401430235	2012	9	30	10	V	1.7	0	2.69	22
401430235	2012	9	30	11	V	3.3	0	2.66	32
401430235	2012	9	30	12	V	3.2	0	3.05	48
401430235	2012	9	30	13	V	5.8	0	3.52	42
401430235	2012	9	30	14	V	3.1	0	3.42	23

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	9	30	15	V	2.4	0	3.08	23
401430235	2012	9	30	16	V	3.0	1	3.63	25
401430235	2012	9	30	17	V	4.3	1	2.98	22
401430235	2012	9	30	18	V	4.1	1	1.48	21
401430235	2012	9	30	19	V	3.3	1	0.79	351
401430235	2012	9	30	20	V	3.3	0	1.43	344
401430235	2012	9	30	21	V	2.1	0	1.69	5
401430235	2012	9	30	22	V	33.7	0	1.13	310
401430235	2012	9	30	23	V	2.5	0	1.3	7
401430235	2012	9	30	24	V	2.1	0	1.76	346
401430235	2012	10	1	1	V	35.9	0	1.26	313
401430235	2012	10	1	2	V	1.8	0	1.35	347
401430235	2012	10	1	3	V	1.1	0	1.59	348
401430235	2012	10	1	4	V	8.6	0	1.2	337
401430235	2012	10	1	5	V	36.5	0	1.04	317
401430235	2012	10	1	6	V	15.5	0	1.14	333
401430235	2012	10	1	7	V	31.6	0	0.74	317
401430235	2012	10	1	8	C	-999	0	0	0
401430235	2012	10	1	9	V	9.8	1	1.5	299
401430235	2012	10	1	10	V	6.4	4	2.33	332
401430235	2012	10	1	11	V	2.9	1	3.97	354
401430235	2012	10	1	12	V	2.8	0	4.58	356
401430235	2012	10	1	13	V	5.3	0	6.55	17
401430235	2012	10	1	14	V	2.9	1	6.09	10
401430235	2012	10	1	15	V	2.3	0	5.36	23
401430235	2012	10	1	16	V	2.9	0	5.7	21
401430235	2012	10	1	17	V	4.3	0	4.93	27
401430235	2012	10	1	18	V	4.2	0	4	14
401430235	2012	10	1	19	V	9.0	1	3.83	335
401430235	2012	10	1	20	V	5.8	1	3.93	341
401430235	2012	10	1	21	V	2.4	0	3.24	350
401430235	2012	10	1	22	V	2.4	0	2.93	354
401430235	2012	10	1	23	V	2.5	0	2.93	353
401430235	2012	10	1	24	V	2.0	0	2.76	354
401430235	2012	10	2	1	V	2.1	0	2.08	342
401430235	2012	10	2	2	V	13.7	0	1.89	330
401430235	2012	10	2	3	V	1.3	0	2.32	344
401430235	2012	10	2	4	V	1.7	0	2.81	352
401430235	2012	10	2	5	V	1.8	0	2.3	347
401430235	2012	10	2	6	V	11.5	0	1.69	333
401430235	2012	10	2	7	V	14.1	0	1.48	332
401430235	2012	10	2	8	V	14.0	0	1.38	304
401430235	2012	10	2	9	V	2.8	0	2.06	348
401430235	2012	10	2	10	V	1.8	0	2.88	24
401430235	2012	10	2	11	V	3.2	1	1.79	5
401430235	2012	10	2	12	V	2.9	0	2.57	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	2	13	V	7.6	2	2.86	334
401430235	2012	10	2	14	V	6.1	1	2.88	314
401430235	2012	10	2	15	V	2.9	1	3	353
401430235	2012	10	2	16	V	5.9	1	2.18	324
401430235	2012	10	2	17	V	8.1	3	2.05	307
401430235	2012	10	2	18	V	4.1	3	1.57	262
401430235	2012	10	2	19	V	2.5	1	1.03	275
401430235	2012	10	2	20	V	27.6	0	0.89	326
401430235	2012	10	2	21	V	24.5	0	0.8	328
401430235	2012	10	2	22	C	-999	0	0	0
401430235	2012	10	2	23	V	3.9	0	0.55	265
401430235	2012	10	2	24	C	-999	0	0	0
401430235	2012	10	3	1	V	1.8	0	0.77	254
401430235	2012	10	3	2	V	3.5	0	0.52	211
401430235	2012	10	3	3	V	2.8	0	0.53	261
401430235	2012	10	3	4	V	2.5	0	0.63	235
401430235	2012	10	3	5	C	-999	0	0	0
401430235	2012	10	3	6	V	2.6	0	0.62	224
401430235	2012	10	3	7	V	3.1	1	0.57	273
401430235	2012	10	3	8	V	5.7	0	0.63	199
401430235	2012	10	3	9	V	6.6	0	0.62	216
401430235	2012	10	3	10	V	1.9	0	1.76	190
401430235	2012	10	3	11	V	2.9	0	2.95	179
401430235	2012	10	3	12	V	2.9	0	4.05	193
401430235	2012	10	3	13	V	5.4	0	4.75	181
401430235	2012	10	3	14	V	3.1	0	5.28	191
401430235	2012	10	3	15	V	2.4	0	5.05	191
401430235	2012	10	3	16	V	3.1	0	5.36	192
401430235	2012	10	3	17	V	4.4	0	5.17	193
401430235	2012	10	3	18	V	4.2	1	3.56	190
401430235	2012	10	3	19	V	2.6	0	1.59	188
401430235	2012	10	3	20	V	3.2	0	1.23	192
401430235	2012	10	3	21	V	2.2	0	1.64	179
401430235	2012	10	3	22	V	2.3	0	2.73	172
401430235	2012	10	3	23	V	2.4	0	2.76	166
401430235	2012	10	3	24	V	1.9	0	2.64	167
401430235	2012	10	4	1	V	1.3	0	2.22	168
401430235	2012	10	4	2	V	1.6	0	1.96	161
401430235	2012	10	4	3	V	1.4	0	0.97	153
401430235	2012	10	4	4	V	3.2	0	0.63	208
401430235	2012	10	4	5	C	-999	0	0	0
401430235	2012	10	4	6	V	1.7	0	1.23	2
401430235	2012	10	4	7	V	2.0	0	1.11	174
401430235	2012	10	4	8	V	2.9	0	2.25	164
401430235	2012	10	4	9	V	1.8	0	3.61	181
401430235	2012	10	4	10	V	1.7	0	3.57	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	4	11	V	2.9	0	4.68	194
401430235	2012	10	4	12	V	2.9	0	3.37	199
401430235	2012	10	4	13	V	5.4	0	2.5	239
401430235	2012	10	4	14	V	4.3	0	2.78	343
401430235	2012	10	4	15	V	2.3	0	3.9	4
401430235	2012	10	4	16	V	2.9	0	3.98	14
401430235	2012	10	4	17	V	4.2	0	3.49	6
401430235	2012	10	4	18	V	4.2	0	4.03	12
401430235	2012	10	4	19	V	2.4	0	4.87	12
401430235	2012	10	4	20	V	2.7	0	4.77	17
401430235	2012	10	4	21	V	2.2	0	4.8	9
401430235	2012	10	4	22	V	2.4	0	4.99	21
401430235	2012	10	4	23	V	2.5	0	3.92	11
401430235	2012	10	4	24	V	2.0	0	3.97	6
401430235	2012	10	5	1	V	1.4	0	4.17	5
401430235	2012	10	5	2	V	1.7	0	4.12	4
401430235	2012	10	5	3	V	1.1	0	4.05	9
401430235	2012	10	5	4	V	1.6	0	3.8	3
401430235	2012	10	5	5	V	1.9	0	3.83	6
401430235	2012	10	5	6	V	1.6	0	3.93	13
401430235	2012	10	5	7	V	1.6	0	4.25	9
401430235	2012	10	5	8	V	2.7	0	4.99	14
401430235	2012	10	5	9	V	1.5	0	4.9	15
401430235	2012	10	5	10	V	1.5	0	4.92	14
401430235	2012	10	5	11	V	2.7	0	4.94	19
401430235	2012	10	5	12	V	2.7	0	4.75	12
401430235	2012	10	5	13	V	5.3	0	5.19	12
401430235	2012	10	5	14	V	2.9	0	5.65	10
401430235	2012	10	5	15	V	2.2	0	6.45	21
401430235	2012	10	5	16	V	2.9	0	6.65	21
401430235	2012	10	5	17	V	4.2	0	6.28	25
401430235	2012	10	5	18	V	4.4	0	6.28	28
401430235	2012	10	5	19	V	2.7	0	6.31	31
401430235	2012	10	5	20	V	3.7	0	4.41	35
401430235	2012	10	5	21	V	2.4	0	5.19	32
401430235	2012	10	5	22	V	2.5	0	4.73	32
401430235	2012	10	5	23	V	2.4	0	3.46	21
401430235	2012	10	5	24	V	2.0	0	3.12	15
401430235	2012	10	6	1	V	1.3	0	2.67	10
401430235	2012	10	6	2	V	1.6	0	3.25	7
401430235	2012	10	6	3	V	1.0	0	3.24	10
401430235	2012	10	6	4	V	1.6	0	2.35	14
401430235	2012	10	6	5	V	1.9	0	2.56	31
401430235	2012	10	6	6	V	1.6	0	2.3	29
401430235	2012	10	6	7	V	1.6	0	2.23	21
401430235	2012	10	6	8	V	3.0	0	1.81	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	6	9	V	1.6	0	3.39	22
401430235	2012	10	6	10	V	1.5	0	4.37	25
401430235	2012	10	6	11	V	2.7	0	4.36	25
401430235	2012	10	6	12	V	2.9	0	4.85	30
401430235	2012	10	6	13	V	5.3	0	4.73	20
401430235	2012	10	6	14	V	3.2	0	4.8	31
401430235	2012	10	6	15	V	2.3	1	3.86	26
401430235	2012	10	6	16	V	2.9	0	5.27	20
401430235	2012	10	6	17	V	4.2	0	4.6	19
401430235	2012	10	6	18	V	4.2	0	3.07	21
401430235	2012	10	6	19	V	2.4	0	2.37	9
401430235	2012	10	6	20	V	2.7	0	3.35	18
401430235	2012	10	6	21	V	2.1	0	2.27	3
401430235	2012	10	6	22	V	2.4	0	1.37	355
401430235	2012	10	6	23	V	14.9	0	0.86	335
401430235	2012	10	6	24	V	11.2	0	1.54	334
401430235	2012	10	7	1	V	1.3	0	1.59	351
401430235	2012	10	7	2	V	1.6	0	1.79	358
401430235	2012	10	7	3	V	1.1	0	1.98	354
401430235	2012	10	7	4	V	1.6	0	1.91	2
401430235	2012	10	7	5	V	2.2	0	0.92	278
401430235	2012	10	7	6	V	23.2	0	1.42	322
401430235	2012	10	7	7	V	5.9	0	0.77	294
401430235	2012	10	7	8	V	5.8	0	0.72	273
401430235	2012	10	7	9	V	1.6	0	2.89	18
401430235	2012	10	7	10	V	2.1	0	2.54	28
401430235	2012	10	7	11	V	2.9	0	2.27	70
401430235	2012	10	7	12	V	2.9	0	2.86	66
401430235	2012	10	7	13	V	5.6	0	2.42	23
401430235	2012	10	7	14	V	3.6	0	2.13	30
401430235	2012	10	7	15	V	3.2	1	1.91	37
401430235	2012	10	7	16	V	3.9	0	0.62	266
401430235	2012	10	7	17	V	4.3	0	1.5	230
401430235	2012	10	7	18	V	4.5	0	2.61	218
401430235	2012	10	7	19	V	2.6	0	4.32	211
401430235	2012	10	7	20	V	2.7	0	2.95	208
401430235	2012	10	7	21	V	2.1	0	1.82	207
401430235	2012	10	7	22	V	3.4	0	0.53	225
401430235	2012	10	7	23	V	4.1	0	0.53	233
401430235	2012	10	7	24	V	2.7	0	0.69	228
401430235	2012	10	8	1	V	2.8	0	0.55	233
401430235	2012	10	8	2	C	-999	0	0	0
401430235	2012	10	8	3	V	1.6	0	0.74	248
401430235	2012	10	8	4	V	3.1	0	0.55	229
401430235	2012	10	8	5	V	2.1	0	0.96	224
401430235	2012	10	8	6	V	4.6	0	0.58	286

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	8	7	V	3.0	0	0.57	249
401430235	2012	10	8	8	V	3.3	0	1.26	203
401430235	2012	10	8	9	V	2.7	0	1.35	164
401430235	2012	10	8	10	V	1.7	0	4	187
401430235	2012	10	8	11	V	2.9	0	3.98	187
401430235	2012	10	8	12	V	2.9	0	4.14	181
401430235	2012	10	8	13	V	5.5	0	4.1	191
401430235	2012	10	8	14	V	3.1	0	4.85	181
401430235	2012	10	8	15	V	2.4	0	5.27	191
401430235	2012	10	8	16	V	3.1	0	5	193
401430235	2012	10	8	17	V	4.4	0	5.31	197
401430235	2012	10	8	18	V	4.2	0	3.68	188
401430235	2012	10	8	19	V	2.4	0	2.03	185
401430235	2012	10	8	20	V	2.6	0	2.42	181
401430235	2012	10	8	21	V	2.5	0	1.14	202
401430235	2012	10	8	22	V	3.2	0	0.67	222
401430235	2012	10	8	23	V	3.0	0	0.79	213
401430235	2012	10	8	24	V	3.5	0	0.67	181
401430235	2012	10	9	1	V	2.8	0	0.57	216
401430235	2012	10	9	2	V	2.3	0	1.11	190
401430235	2012	10	9	3	V	1.7	0	1.08	196
401430235	2012	10	9	4	V	1.8	0	1.47	181
401430235	2012	10	9	5	V	1.8	0	1.99	165
401430235	2012	10	9	6	V	1.5	0	2.06	160
401430235	2012	10	9	7	V	1.5	0	2.96	163
401430235	2012	10	9	8	V	2.7	0	4.22	169
401430235	2012	10	9	9	V	1.7	0	5.43	177
401430235	2012	10	9	10	V	1.6	0	6.77	176
401430235	2012	10	9	11	V	2.9	0	7.03	186
401430235	2012	10	9	12	V	2.8	0	6.28	180
401430235	2012	10	9	13	V	5.5	0	5.97	188
401430235	2012	10	9	14	V	3.2	0	3.71	184
401430235	2012	10	9	15	V	2.4	0	2.13	144
401430235	2012	10	9	16	V	3.0	0	2.03	152
401430235	2012	10	9	17	V	4.3	0	2.23	137
401430235	2012	10	9	18	V	4.1	0	1.91	127
401430235	2012	10	9	19	V	2.5	0	1.03	59
401430235	2012	10	9	20	V	2.7	0	1.54	18
401430235	2012	10	9	21	V	27.1	0	0.58	311
401430235	2012	10	9	22	V	2.7	0	1.11	347
401430235	2012	10	9	23	V	2.4	0	1.47	8
401430235	2012	10	9	24	V	2.0	0	3.91	7
401430235	2012	10	10	1	V	1.4	0	4.8	15
401430235	2012	10	10	2	V	1.7	0	4.83	15
401430235	2012	10	10	3	V	1.1	0	4.82	18
401430235	2012	10	10	4	V	1.6	0	3.47	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	10	5	V	1.8	0	3.1	13
401430235	2012	10	10	6	V	1.5	0	1.99	358
401430235	2012	10	10	7	V	1.5	0	2.11	16
401430235	2012	10	10	8	V	3.0	0	2.35	23
401430235	2012	10	10	9	V	5.6	0	2.91	42
401430235	2012	10	10	10	V	1.5	1	3.85	62
401430235	2012	10	10	11	V	2.7	1	4.36	67
401430235	2012	10	10	12	V	3.3	0	4.39	51
401430235	2012	10	10	13	V	7.0	0	5.21	44
401430235	2012	10	10	14	V	3.1	0	4.7	55
401430235	2012	10	10	15	V	2.3	0	4.07	78
401430235	2012	10	10	16	V	2.9	0	3.76	84
401430235	2012	10	10	17	V	4.2	0	2.93	97
401430235	2012	10	10	18	V	4.1	0	3.01	94
401430235	2012	10	10	19	V	2.3	0	2.16	91
401430235	2012	10	10	20	V	2.6	0	1.67	87
401430235	2012	10	10	21	V	2.1	0	1.98	102
401430235	2012	10	10	22	V	2.3	0	1.84	111
401430235	2012	10	10	23	V	2.4	0	1.67	128
401430235	2012	10	10	24	V	2.0	0	1.64	165
401430235	2012	10	11	1	V	1.4	0	1.72	170
401430235	2012	10	11	2	V	1.6	0	2.57	172
401430235	2012	10	11	3	V	1.1	0	2.86	169
401430235	2012	10	11	4	V	1.6	0	3.13	168
401430235	2012	10	11	5	V	1.8	0	2.57	170
401430235	2012	10	11	6	V	1.5	0	2.13	164
401430235	2012	10	11	7	V	1.6	0	2.44	163
401430235	2012	10	11	8	V	2.8	0	3.08	167
401430235	2012	10	11	9	V	1.7	0	4.09	174
401430235	2012	10	11	10	V	1.6	0	4.27	178
401430235	2012	10	11	11	V	2.9	0	4.7	184
401430235	2012	10	11	12	V	2.9	0	5.36	191
401430235	2012	10	11	13	V	5.5	0	4.95	192
401430235	2012	10	11	14	V	3.2	0	6.21	187
401430235	2012	10	11	15	V	2.4	-999	6.52	197
401430235	2012	10	11	16	V	3.1	0	5.17	196
401430235	2012	10	11	17	V	4.3	0	3.83	206
401430235	2012	10	11	18	V	4.3	0	2.27	208
401430235	2012	10	11	19	V	2.7	0	0.84	211
401430235	2012	10	11	20	V	4.0	0	0.72	188
401430235	2012	10	11	21	V	3.1	0	0.75	206
401430235	2012	10	11	22	V	4.6	0	0.52	178
401430235	2012	10	11	23	V	3.9	0	0.55	269
401430235	2012	10	11	24	C	-999	0	0	0
401430235	2012	10	12	1	V	1.5	0	1.25	146
401430235	2012	10	12	2	V	2.2	0	0.94	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	12	3	V	1.1	0	1.69	166
401430235	2012	10	12	4	V	2.0	0	0.91	151
401430235	2012	10	12	5	V	2.2	0	1.21	183
401430235	2012	10	12	6	V	1.6	0	2.81	202
401430235	2012	10	12	7	V	1.7	0	3.47	196
401430235	2012	10	12	8	V	2.8	0	3.69	200
401430235	2012	10	12	9	V	1.7	0	2.03	254
401430235	2012	10	12	10	V	2.2	0	2.81	28
401430235	2012	10	12	11	V	2.8	0	4.85	54
401430235	2012	10	12	12	V	2.7	0	5.41	102
401430235	2012	10	12	13	V	5.3	0	6.57	123
401430235	2012	10	12	14	V	3.0	0	5.6	135
401430235	2012	10	12	15	V	2.2	0	5.84	135
401430235	2012	10	12	16	V	2.9	0	6.07	159
401430235	2012	10	12	17	V	4.2	0	5.14	158
401430235	2012	10	12	18	V	4.1	0	4.65	162
401430235	2012	10	12	19	V	2.3	0	3.22	152
401430235	2012	10	12	20	V	2.6	0	2.3	163
401430235	2012	10	12	21	V	2.1	0	1.93	157
401430235	2012	10	12	22	V	2.4	0	1.71	182
401430235	2012	10	12	23	V	2.4	0	3.07	170
401430235	2012	10	12	24	V	1.9	0	4.32	170
401430235	2012	10	13	1	V	1.3	0	4.26	169
401430235	2012	10	13	2	V	1.6	0	3.15	170
401430235	2012	10	13	3	V	1.0	0	3.15	167
401430235	2012	10	13	4	V	1.5	0	3.47	171
401430235	2012	10	13	5	V	1.8	0	3.97	169
401430235	2012	10	13	6	V	1.5	0	4.68	168
401430235	2012	10	13	7	V	1.6	0	4.88	171
401430235	2012	10	13	8	V	2.7	0	5.16	172
401430235	2012	10	13	9	V	1.6	0	5.26	173
401430235	2012	10	13	10	V	1.6	0	7.35	182
401430235	2012	10	13	11	V	2.8	0	7.23	183
401430235	2012	10	13	12	V	2.9	0	7.13	182
401430235	2012	10	13	13	V	5.5	0	6.07	189
401430235	2012	10	13	14	V	3.2	0	6.3	191
401430235	2012	10	13	15	V	2.4	0	4.61	177
401430235	2012	10	13	16	V	2.9	0	4.7	166
401430235	2012	10	13	17	V	4.3	0	6.19	178
401430235	2012	10	13	18	V	4.3	0	3.35	225
401430235	2012	10	13	19	V	2.4	0	2.35	276
401430235	2012	10	13	20	V	2.6	0	2.47	158
401430235	2012	10	13	21	V	2.1	0	3.1	178
401430235	2012	10	13	22	V	2.4	0	3.8	196
401430235	2012	10	13	23	V	2.4	0	4.05	202
401430235	2012	10	13	24	V	2.0	0	2.88	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	14	1	V	1.7	0	2.73	213
401430235	2012	10	14	2	V	1.6	0	3.03	235
401430235	2012	10	14	3	V	1.1	0	2.57	227
401430235	2012	10	14	4	V	1.6	0	2.91	232
401430235	2012	10	14	5	V	1.8	0	2.89	238
401430235	2012	10	14	6	V	1.5	0	3	242
401430235	2012	10	14	7	V	1.5	0	2.32	253
401430235	2012	10	14	8	V	2.8	0	2.23	272
401430235	2012	10	14	9	V	2.2	0	2.32	284
401430235	2012	10	14	10	V	3.3	0	3	296
401430235	2012	10	14	11	V	8.3	2	3.13	320
401430235	2012	10	14	12	V	7.2	3	3.85	324
401430235	2012	10	14	13	V	8.7	4	3.9	330
401430235	2012	10	14	14	V	6.1	4	3.56	331
401430235	2012	10	14	15	V	4.6	6	3.52	336
401430235	2012	10	14	16	V	4.8	6	3.73	338
401430235	2012	10	14	17	V	6.0	7	3.18	340
401430235	2012	10	14	18	V	16.1	4	1.72	330
401430235	2012	10	14	19	V	11.6	2	1.08	302
401430235	2012	10	14	20	V	4.0	0	0.6	278
401430235	2012	10	14	21	C	-999	0	0	0
401430235	2012	10	14	22	V	3.6	0	0.58	264
401430235	2012	10	14	23	C	-999	0	0	0
401430235	2012	10	14	24	V	3.2	0	0.72	201
401430235	2012	10	15	1	V	2.1	0	0.99	195
401430235	2012	10	15	2	V	2.7	0	0.72	205
401430235	2012	10	15	3	C	-999	0	0	0
401430235	2012	10	15	4	V	3.7	0	0.53	171
401430235	2012	10	15	5	C	-999	0	0	0
401430235	2012	10	15	6	V	3.4	0	0.58	207
401430235	2012	10	15	7	C	-999	0	0	0
401430235	2012	10	15	8	C	-999	0	0	0
401430235	2012	10	15	9	V	2.0	0	1.94	225
401430235	2012	10	15	10	V	1.8	0	2.27	227
401430235	2012	10	15	11	V	2.7	0	3.49	235
401430235	2012	10	15	12	V	2.8	0	3.91	232
401430235	2012	10	15	13	V	5.3	0	3.95	228
401430235	2012	10	15	14	V	3.0	0	3.57	232
401430235	2012	10	15	15	V	2.3	0	3.27	226
401430235	2012	10	15	16	V	3.0	0	2.81	236
401430235	2012	10	15	17	V	4.3	0	3.13	221
401430235	2012	10	15	18	V	4.1	0	3.61	199
401430235	2012	10	15	19	V	2.3	0	2.69	198
401430235	2012	10	15	20	V	2.7	0	2.91	197
401430235	2012	10	15	21	V	2.1	0	3	201
401430235	2012	10	15	22	V	2.3	0	2.55	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	15	23	V	2.6	0	1.72	195
401430235	2012	10	15	24	V	2.0	0	2.95	200
401430235	2012	10	16	1	V	1.3	0	2.21	200
401430235	2012	10	16	2	V	1.7	0	3.42	195
401430235	2012	10	16	3	V	1.1	0	3.44	188
401430235	2012	10	16	4	V	1.6	0	3.54	190
401430235	2012	10	16	5	V	1.9	0	2.95	187
401430235	2012	10	16	6	V	1.8	0	1.79	194
401430235	2012	10	16	7	V	1.6	0	2.67	188
401430235	2012	10	16	8	V	3.1	0	1.84	193
401430235	2012	10	16	9	V	1.8	0	4.05	189
401430235	2012	10	16	10	V	1.6	0	6.28	197
401430235	2012	10	16	11	V	2.8	0	7.79	194
401430235	2012	10	16	12	V	2.9	1	8.73	190
401430235	2012	10	16	13	V	5.4	1	8.11	190
401430235	2012	10	16	14	V	3.1	1	8.16	184
401430235	2012	10	16	15	V	2.4	0	8.08	180
401430235	2012	10	16	16	V	3.1	0	7.72	186
401430235	2012	10	16	17	V	4.3	0	7.4	180
401430235	2012	10	16	18	V	4.2	0	5.79	186
401430235	2012	10	16	19	V	2.4	0	4.51	187
401430235	2012	10	16	20	V	2.6	0	3.46	168
401430235	2012	10	16	21	V	2.1	0	3.95	170
401430235	2012	10	16	22	V	2.3	0	3.92	171
401430235	2012	10	16	23	V	2.4	0	4.53	170
401430235	2012	10	16	24	V	2.0	0	5.22	171
401430235	2012	10	17	1	V	1.3	0	4.73	174
401430235	2012	10	17	2	V	1.6	0	4.05	175
401430235	2012	10	17	3	V	1.0	0	3.59	172
401430235	2012	10	17	4	V	1.6	0	4	178
401430235	2012	10	17	5	V	1.9	0	5.67	184
401430235	2012	10	17	6	V	1.6	0	6.11	180
401430235	2012	10	17	7	V	1.6	0	5.46	180
401430235	2012	10	17	8	V	2.9	0	5.38	186
401430235	2012	10	17	9	V	1.7	0	5.67	190
401430235	2012	10	17	10	V	1.6	0	3.76	219
401430235	2012	10	17	11	V	2.7	0	3.56	260
401430235	2012	10	17	12	V	3.6	0	3.73	345
401430235	2012	10	17	13	V	5.4	0	3.46	6
401430235	2012	10	17	14	V	3.0	0	5.21	355
401430235	2012	10	17	15	V	5.4	0	5.44	329
401430235	2012	10	17	16	V	6.5	5	4.7	329
401430235	2012	10	17	17	V	11.0	6	3.8	322
401430235	2012	10	17	18	V	27.6	19	2.32	316
401430235	2012	10	17	19	V	29.9	16	1.2	320
401430235	2012	10	17	20	V	35.0	13	1.5	315

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	17	21	V	16.7	18	1.76	327
401430235	2012	10	17	22	V	25.2	14	1.5	321
401430235	2012	10	17	23	V	3.1	5	0.96	286
401430235	2012	10	17	24	V	2.2	1	1.06	271
401430235	2012	10	18	1	V	1.4	1	1.35	282
401430235	2012	10	18	2	V	2.1	1	1.38	290
401430235	2012	10	18	3	V	1.1	1	1.31	261
401430235	2012	10	18	4	V	1.6	0	1.5	256
401430235	2012	10	18	5	V	1.8	0	1.48	260
401430235	2012	10	18	6	V	1.5	1	1.62	250
401430235	2012	10	18	7	V	1.6	1	1.62	246
401430235	2012	10	18	8	V	2.8	0	2.49	283
401430235	2012	10	18	9	V	3.2	-999	3.93	298
401430235	2012	10	18	10	V	4.6	-999	4.73	306
401430235	2012	10	18	11	V	5.0	1	4.54	301
401430235	2012	10	18	12	V	3.8	1	5.14	295
401430235	2012	10	18	13	V	6.6	1	5.87	297
401430235	2012	10	18	14	V	3.6	0	6.16	292
401430235	2012	10	18	15	V	2.5	3	5.92	290
401430235	2012	10	18	16	V	2.9	1	5.6	284
401430235	2012	10	18	17	V	4.3	0	5.29	286
401430235	2012	10	18	18	V	7.6	1	3.73	296
401430235	2012	10	18	19	V	3.5	1	2.84	292
401430235	2012	10	18	20	V	9.2	3	2.47	300
401430235	2012	10	18	21	V	8.5	1	2.2	300
401430235	2012	10	18	22	V	3.1	0	2.88	290
401430235	2012	10	18	23	V	2.5	1	2.42	265
401430235	2012	10	18	24	V	2.0	0	2.45	258
401430235	2012	10	19	1	V	1.4	0	2.67	255
401430235	2012	10	19	2	V	1.7	0	2.45	258
401430235	2012	10	19	3	V	1.1	0	2.3	256
401430235	2012	10	19	4	V	1.6	0	2.16	258
401430235	2012	10	19	5	V	1.9	1	2.11	269
401430235	2012	10	19	6	V	1.6	1	2.06	266
401430235	2012	10	19	7	V	1.5	1	2.2	262
401430235	2012	10	19	8	V	2.9	1	2.83	270
401430235	2012	10	19	9	V	2.9	1	4.34	297
401430235	2012	10	19	10	V	4.8	7	4.53	304
401430235	2012	10	19	11	V	3.6	9	4.02	293
401430235	2012	10	19	12	V	5.4	3	3.95	302
401430235	2012	10	19	13	V	6.7	1	4.27	296
401430235	2012	10	19	14	V	3.8	1	3.88	291
401430235	2012	10	19	15	V	3.2	3	3.49	290
401430235	2012	10	19	16	V	7.0	2	3.18	307
401430235	2012	10	19	17	V	11.2	13	2.38	313
401430235	2012	10	19	18	V	19.2	6	0.99	304

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	19	19	V	3.2	1	0.7	283
401430235	2012	10	19	20	V	3.1	1	0.8	251
401430235	2012	10	19	21	V	2.5	1	0.86	240
401430235	2012	10	19	22	V	3.4	1	0.62	262
401430235	2012	10	19	23	C	-999	1	0	0
401430235	2012	10	19	24	C	-999	1	0	0
401430235	2012	10	20	1	V	3.1	1	0.53	220
401430235	2012	10	20	2	C	-999	1	0	0
401430235	2012	10	20	3	V	1.9	1	0.65	248
401430235	2012	10	20	4	V	7.4	1	0.63	293
401430235	2012	10	20	5	V	10.7	0	0.6	296
401430235	2012	10	20	6	C	-999	0	0	0
401430235	2012	10	20	7	V	2.4	0	0.7	219
401430235	2012	10	20	8	V	3.3	0	1.06	217
401430235	2012	10	20	9	V	1.8	0	2.39	166
401430235	2012	10	20	10	V	1.7	0	3.39	179
401430235	2012	10	20	11	V	2.9	0	4.48	182
401430235	2012	10	20	12	V	2.9	0	3.98	181
401430235	2012	10	20	13	V	5.5	1	4.12	187
401430235	2012	10	20	14	V	3.1	1	4.12	177
401430235	2012	10	20	15	V	2.3	1	4.61	160
401430235	2012	10	20	16	V	2.9	1	5.62	170
401430235	2012	10	20	17	V	4.3	0	5.48	174
401430235	2012	10	20	18	V	4.1	0	4.02	172
401430235	2012	10	20	19	V	2.3	0	2.96	166
401430235	2012	10	20	20	V	2.6	0	3.07	169
401430235	2012	10	20	21	V	2.1	0	2.44	166
401430235	2012	10	20	22	V	2.3	0	1.79	155
401430235	2012	10	20	23	V	2.4	0	1.82	148
401430235	2012	10	20	24	V	2.0	0	1.59	154
401430235	2012	10	21	1	V	1.3	0	1.99	150
401430235	2012	10	21	2	V	1.6	0	2.44	155
401430235	2012	10	21	3	V	1.0	0	2.32	161
401430235	2012	10	21	4	V	1.5	0	2.73	169
401430235	2012	10	21	5	V	1.8	0	3.07	172
401430235	2012	10	21	6	V	1.5	0	3.29	172
401430235	2012	10	21	7	V	1.6	0	3.27	168
401430235	2012	10	21	8	V	2.7	0	3.75	165
401430235	2012	10	21	9	V	1.6	0	5.12	171
401430235	2012	10	21	10	V	1.6	0	6.16	179
401430235	2012	10	21	11	V	2.9	0	6.89	184
401430235	2012	10	21	12	V	2.9	0	7.47	184
401430235	2012	10	21	13	V	5.4	0	7.54	184
401430235	2012	10	21	14	V	3.1	0	8.28	181
401430235	2012	10	21	15	V	2.4	0	7.82	181
401430235	2012	10	21	16	V	2.9	0	7.64	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	21	17	V	4.3	0	7.72	179
401430235	2012	10	21	18	V	4.1	0	6.35	176
401430235	2012	10	21	19	V	2.3	0	5.26	173
401430235	2012	10	21	20	V	2.6	0	4.68	170
401430235	2012	10	21	21	V	2.1	0	4.99	168
401430235	2012	10	21	22	V	2.3	0	6.26	173
401430235	2012	10	21	23	V	2.4	0	6.14	173
401430235	2012	10	21	24	V	2.0	0	5.46	171
401430235	2012	10	22	1	V	1.3	0	5.29	173
401430235	2012	10	22	2	V	1.6	0	5.51	178
401430235	2012	10	22	3	V	1.1	0	5.79	184
401430235	2012	10	22	4	V	1.7	0	5.82	183
401430235	2012	10	22	5	V	1.9	0	6.12	185
401430235	2012	10	22	6	V	1.7	0	5.85	187
401430235	2012	10	22	7	V	1.6	0	5.48	182
401430235	2012	10	22	8	V	2.8	0	5.45	180
401430235	2012	10	22	9	V	1.7	0	6.3	183
401430235	2012	10	22	10	V	1.7	0	6.69	186
401430235	2012	10	22	11	V	2.8	0	7.86	196
401430235	2012	10	22	12	V	2.9	0	8.27	193
401430235	2012	10	22	13	V	5.4	0	6.38	199
401430235	2012	10	22	14	V	3.0	0	5.48	211
401430235	2012	10	22	15	V	2.3	0	5.26	221
401430235	2012	10	22	16	V	3.1	0	4.61	182
401430235	2012	10	22	17	V	4.4	0	3.69	184
401430235	2012	10	22	18	V	4.1	0	3.29	172
401430235	2012	10	22	19	V	2.5	0	1.99	192
401430235	2012	10	22	20	V	2.8	0	2.01	191
401430235	2012	10	22	21	V	2.3	0	1.91	196
401430235	2012	10	22	22	V	2.3	0	2.89	181
401430235	2012	10	22	23	V	2.4	0	3.29	167
401430235	2012	10	22	24	V	1.9	0	3.23	168
401430235	2012	10	23	1	V	1.3	0	3.81	169
401430235	2012	10	23	2	V	1.6	0	3.05	169
401430235	2012	10	23	3	V	1.0	0	2.2	165
401430235	2012	10	23	4	V	1.5	0	2.93	166
401430235	2012	10	23	5	V	1.8	0	3.37	174
401430235	2012	10	23	6	V	1.6	0	4.24	182
401430235	2012	10	23	7	V	1.7	0	5.26	191
401430235	2012	10	23	8	V	2.9	0	6.01	190
401430235	2012	10	23	9	V	1.8	0	5.9	187
401430235	2012	10	23	10	V	1.7	0	6.91	189
401430235	2012	10	23	11	V	2.9	0	7.69	194
401430235	2012	10	23	12	V	2.9	0	7.99	194
401430235	2012	10	23	13	V	5.5	0	7.67	190
401430235	2012	10	23	14	V	3.1	0	7.99	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	23	15	V	2.4	0	8.01	188
401430235	2012	10	23	16	V	3.1	0	7.91	187
401430235	2012	10	23	17	V	4.4	0	7.23	182
401430235	2012	10	23	18	V	4.1	0	5.9	173
401430235	2012	10	23	19	V	2.3	0	4.82	170
401430235	2012	10	23	20	V	2.6	0	4.99	173
401430235	2012	10	23	21	V	2.1	0	4.48	176
401430235	2012	10	23	22	V	2.3	0	4.17	178
401430235	2012	10	23	23	V	2.4	0	4.42	181
401430235	2012	10	23	24	V	2.0	0	4.05	185
401430235	2012	10	24	1	V	1.3	0	3.32	181
401430235	2012	10	24	2	V	1.6	0	3.06	172
401430235	2012	10	24	3	V	1.0	0	3.47	179
401430235	2012	10	24	4	V	1.5	0	3.63	174
401430235	2012	10	24	5	V	1.8	0	4.46	174
401430235	2012	10	24	6	V	1.5	0	4.53	175
401430235	2012	10	24	7	V	1.5	0	4.63	172
401430235	2012	10	24	8	V	2.8	0	4.56	179
401430235	2012	10	24	9	V	1.7	0	6.19	186
401430235	2012	10	24	10	V	1.7	0	7.86	188
401430235	2012	10	24	11	V	2.8	0	8.28	187
401430235	2012	10	24	12	V	2.9	0	7.43	191
401430235	2012	10	24	13	V	5.5	-999	7.13	187
401430235	2012	10	24	14	V	3.1	-999	7.37	185
401430235	2012	10	24	15	V	2.4	0	7.81	192
401430235	2012	10	24	16	V	3.1	0	7.3	186
401430235	2012	10	24	17	V	4.4	0	7.42	183
401430235	2012	10	24	18	V	4.1	0	5.58	171
401430235	2012	10	24	19	V	2.3	0	5.65	172
401430235	2012	10	24	20	V	2.6	0	5.97	171
401430235	2012	10	24	21	V	2.1	0	5.75	169
401430235	2012	10	24	22	V	2.3	0	5.99	166
401430235	2012	10	24	23	V	2.4	0	5.7	172
401430235	2012	10	24	24	V	2.0	0	4.63	182
401430235	2012	10	25	1	V	1.3	0	4.02	172
401430235	2012	10	25	2	V	1.6	0	4	175
401430235	2012	10	25	3	V	1.0	0	4.88	174
401430235	2012	10	25	4	V	1.6	0	4.92	175
401430235	2012	10	25	5	V	1.8	0	5.46	176
401430235	2012	10	25	6	V	1.6	0	6.19	177
401430235	2012	10	25	7	V	1.7	0	5.68	198
401430235	2012	10	25	8	V	2.8	0	5.82	199
401430235	2012	10	25	9	V	1.6	0	5.55	217
401430235	2012	10	25	10	V	8.2	0	4.7	313
401430235	2012	10	25	11	V	8.7	0	4.29	323
401430235	2012	10	25	12	V	5.8	0	4.36	333

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	25	13	V	7.0	0	5.58	337
401430235	2012	10	25	14	V	4.1	0	5.17	340
401430235	2012	10	25	15	V	2.3	0	5.8	352
401430235	2012	10	25	16	V	2.9	0	5.22	3
401430235	2012	10	25	17	V	4.2	0	5.26	11
401430235	2012	10	25	18	V	4.2	0	4.73	12
401430235	2012	10	25	19	V	2.4	0	5.62	15
401430235	2012	10	25	20	V	2.7	0	5.82	14
401430235	2012	10	25	21	V	2.2	0	4.8	17
401430235	2012	10	25	22	V	2.3	0	4.36	20
401430235	2012	10	25	23	V	2.4	0	4.49	20
401430235	2012	10	25	24	V	2.0	0	4.71	15
401430235	2012	10	26	1	V	1.3	0	4.73	8
401430235	2012	10	26	2	V	1.7	0	5.04	11
401430235	2012	10	26	3	V	1.1	0	5.05	13
401430235	2012	10	26	4	V	1.6	0	5.36	15
401430235	2012	10	26	5	V	1.9	0	6.04	11
401430235	2012	10	26	6	V	1.6	0	6.47	14
401430235	2012	10	26	7	V	1.6	0	6.06	12
401430235	2012	10	26	8	V	2.8	0	5.85	10
401430235	2012	10	26	9	V	1.5	0	6.87	17
401430235	2012	10	26	10	V	1.5	0	6.23	16
401430235	2012	10	26	11	V	2.7	0	5.9	2
401430235	2012	10	26	12	V	2.7	0	5.67	2
401430235	2012	10	26	13	V	5.3	0	6.01	7
401430235	2012	10	26	14	V	2.9	0	6.47	15
401430235	2012	10	26	15	V	2.2	0	5.68	11
401430235	2012	10	26	16	V	2.9	0	5.62	11
401430235	2012	10	26	17	V	4.2	0	4.63	8
401430235	2012	10	26	18	V	4.1	0	4.63	8
401430235	2012	10	26	19	V	2.3	0	3.56	14
401430235	2012	10	26	20	V	2.6	0	3.51	7
401430235	2012	10	26	21	V	2.1	0	3.27	9
401430235	2012	10	26	22	V	2.3	0	3.08	8
401430235	2012	10	26	23	V	2.4	0	2.38	12
401430235	2012	10	26	24	V	1.9	0	2.42	11
401430235	2012	10	27	1	V	1.3	0	2.44	10
401430235	2012	10	27	2	V	1.6	0	2.64	7
401430235	2012	10	27	3	V	1.0	0	2.93	20
401430235	2012	10	27	4	V	1.5	0	2.25	6
401430235	2012	10	27	5	V	1.8	0	1.89	2
401430235	2012	10	27	6	V	1.5	0	1.98	9
401430235	2012	10	27	7	V	1.6	0	1.96	3
401430235	2012	10	27	8	V	2.8	0	2.76	11
401430235	2012	10	27	9	V	1.6	0	3.13	15
401430235	2012	10	27	10	V	3.7	0	2.93	34

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	27	11	V	3.3	0	2.83	54
401430235	2012	10	27	12	V	4.7	0	3.07	46
401430235	2012	10	27	13	V	6.3	2	3.08	31
401430235	2012	10	27	14	V	4.3	2	3.63	48
401430235	2012	10	27	15	V	2.5	2	2.91	25
401430235	2012	10	27	16	V	3.0	4	2.96	24
401430235	2012	10	27	17	V	4.2	2	2.69	14
401430235	2012	10	27	18	V	4.2	2	1.5	352
401430235	2012	10	27	19	V	2.3	1	1.62	351
401430235	2012	10	27	20	V	2.7	0	1.3	1
401430235	2012	10	27	21	V	2.1	0	1.72	359
401430235	2012	10	27	22	V	2.3	0	1.54	5
401430235	2012	10	27	23	V	2.6	0	1.08	5
401430235	2012	10	27	24	V	2.3	0	0.92	355
401430235	2012	10	28	1	V	1.4	0	1.31	12
401430235	2012	10	28	2	V	1.8	0	1.08	3
401430235	2012	10	28	3	V	3.7	0	0.82	345
401430235	2012	10	28	4	V	11.3	0	0.84	337
401430235	2012	10	28	5	V	3.0	0	0.74	284
401430235	2012	10	28	6	C	-999	0	0	0
401430235	2012	10	28	7	V	2.1	0	0.77	265
401430235	2012	10	28	8	V	3.1	0	1.09	348
401430235	2012	10	28	9	V	1.7	0	2.89	18
401430235	2012	10	28	10	V	3.2	0	2.23	32
401430235	2012	10	28	11	V	3.4	0	3.85	51
401430235	2012	10	28	12	V	3.0	2	3.49	56
401430235	2012	10	28	13	V	6.6	3	2.11	49
401430235	2012	10	28	14	V	3.6	2	1.77	59
401430235	2012	10	28	15	V	2.5	1	1.87	128
401430235	2012	10	28	16	V	3.4	0	1.3	69
401430235	2012	10	28	17	V	5.7	0	1.55	47
401430235	2012	10	28	18	V	4.7	0	1.06	31
401430235	2012	10	28	19	V	3.9	0	0.57	27
401430235	2012	10	28	20	V	6.2	0	0.63	289
401430235	2012	10	28	21	V	4.9	1	0.86	293
401430235	2012	10	28	22	V	2.8	0	0.77	243
401430235	2012	10	28	23	V	5.4	1	0.67	289
401430235	2012	10	28	24	C	-999	1	0	0
401430235	2012	10	29	1	C	-999	1	0	0
401430235	2012	10	29	2	V	3.7	1	0.52	258
401430235	2012	10	29	3	V	2.5	1	0.55	227
401430235	2012	10	29	4	V	2.7	1	0.63	212
401430235	2012	10	29	5	V	3.4	1	0.55	259
401430235	2012	10	29	6	V	2.9	1	0.79	287
401430235	2012	10	29	7	C	-999	1	0	0
401430235	2012	10	29	8	V	3.7	1	0.65	221

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	29	9	V	4.1	1	0.82	175
401430235	2012	10	29	10	V	2.1	1	1.79	129
401430235	2012	10	29	11	V	2.8	1	2.9	158
401430235	2012	10	29	12	V	2.8	1	3.25	155
401430235	2012	10	29	13	V	5.5	1	3.08	171
401430235	2012	10	29	14	V	3.2	0	2.54	185
401430235	2012	10	29	15	V	2.5	1	2.91	191
401430235	2012	10	29	16	V	3.1	0	2.84	179
401430235	2012	10	29	17	V	4.4	0	3.12	187
401430235	2012	10	29	18	V	4.1	0	2.32	151
401430235	2012	10	29	19	V	2.4	0	1.42	149
401430235	2012	10	29	20	C	-999	0	0	0
401430235	2012	10	29	21	C	-999	0	0	0
401430235	2012	10	29	22	V	2.7	0	0.86	230
401430235	2012	10	29	23	C	-999	0	0	0
401430235	2012	10	29	24	C	-999	0	0	0
401430235	2012	10	30	1	V	2.0	0	0.7	244
401430235	2012	10	30	2	V	3.0	0	0.6	274
401430235	2012	10	30	3	V	3.6	0	0.62	286
401430235	2012	10	30	4	C	-999	0	0	0
401430235	2012	10	30	5	V	3.8	0	0.57	280
401430235	2012	10	30	6	C	-999	0	0	0
401430235	2012	10	30	7	C	-999	0	0	0
401430235	2012	10	30	8	V	3.3	0	0.97	179
401430235	2012	10	30	9	V	2.1	0	1.81	178
401430235	2012	10	30	10	V	2.0	1	2.27	178
401430235	2012	10	30	11	V	3.0	1	3	194
401430235	2012	10	30	12	V	2.9	1	3.39	207
401430235	2012	10	30	13	V	5.5	1	3.42	203
401430235	2012	10	30	14	V	3.1	1	4.49	199
401430235	2012	10	30	15	V	2.4	1	4.48	195
401430235	2012	10	30	16	V	3.0	1	3.42	211
401430235	2012	10	30	17	V	4.4	1	2.33	197
401430235	2012	10	30	18	V	4.7	0	0.86	200
401430235	2012	10	30	19	C	-999	0	0	0
401430235	2012	10	30	20	C	-999	0	0	0
401430235	2012	10	30	21	V	3.1	0	0.77	200
401430235	2012	10	30	22	V	2.5	0	1.14	1
401430235	2012	10	30	23	V	2.4	0	1.88	9
401430235	2012	10	30	24	V	2.0	0	1.91	1
401430235	2012	10	31	1	V	1.3	0	2.62	1
401430235	2012	10	31	2	V	1.6	0	2.93	357
401430235	2012	10	31	3	V	1.0	0	3.47	9
401430235	2012	10	31	4	V	1.6	0	2.71	1
401430235	2012	10	31	5	V	1.8	0	2.61	9
401430235	2012	10	31	6	V	1.5	0	2.1	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	10	31	7	V	1.6	0	1.84	2
401430235	2012	10	31	8	V	2.8	0	4.15	14
401430235	2012	10	31	9	V	1.6	0	3.98	21
401430235	2012	10	31	10	V	1.6	1	3.12	21
401430235	2012	10	31	11	V	4.9	1	2.88	33
401430235	2012	10	31	12	V	4.5	1	2.55	50
401430235	2012	10	31	13	V	5.6	1	2.08	10
401430235	2012	10	31	14	V	4.3	2	2.08	30
401430235	2012	10	31	15	V	2.7	3	2.33	24
401430235	2012	10	31	16	V	3.2	2	1.71	18
401430235	2012	10	31	17	V	5.0	1	1.37	30
401430235	2012	10	31	18	V	5.5	0	0.75	349
401430235	2012	10	31	19	V	26.8	0	0.7	325
401430235	2012	10	31	20	V	3.3	1	0.72	267
401430235	2012	10	31	21	V	3.5	1	0.57	259
401430235	2012	10	31	22	C	-999	1	0	0
401430235	2012	10	31	23	C	-999	1	0	0
401430235	2012	10	31	24	V	3.7	0	0.53	245
401430235	2012	11	1	1	C	-999	1	0	0
401430235	2012	11	1	2	V	4.0	1	0.51	5
401430235	2012	11	1	3	V	3.2	1	0.6	283
401430235	2012	11	1	4	V	3.2	1	0.55	248
401430235	2012	11	1	5	V	3.2	1	0.72	34
401430235	2012	11	1	6	C	-999	1	0	0
401430235	2012	11	1	7	V	3.2	2	0.55	260
401430235	2012	11	1	8	C	-999	1	0	0
401430235	2012	11	1	9	V	8.0	1	0.57	154
401430235	2012	11	1	10	V	2.4	0	1.77	150
401430235	2012	11	1	11	V	3.0	1	2.4	157
401430235	2012	11	1	12	V	3.0	1	2.84	179
401430235	2012	11	1	13	V	5.6	1	2.78	186
401430235	2012	11	1	14	V	3.3	1	1.98	162
401430235	2012	11	1	15	V	2.6	1	1.81	100
401430235	2012	11	1	16	V	3.1	1	2.01	83
401430235	2012	11	1	17	V	4.3	1	1.5	70
401430235	2012	11	1	18	V	7.3	1	0.52	351
401430235	2012	11	1	19	C	-999	0	0	0
401430235	2012	11	1	20	V	24.5	0	0.52	308
401430235	2012	11	1	21	C	-999	0	0	0
401430235	2012	11	1	22	V	2.9	0	0.72	264
401430235	2012	11	1	23	V	27.2	1	0.63	309
401430235	2012	11	1	24	V	2.8	1	0.79	283
401430235	2012	11	2	1	V	1.8	1	0.79	264
401430235	2012	11	2	2	C	-999	0	0	0
401430235	2012	11	2	3	V	2.3	0	0.65	279
401430235	2012	11	2	4	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	2	5	V	4.0	0	0.6	283
401430235	2012	11	2	6	C	-999	0	0	0
401430235	2012	11	2	7	V	3.4	0	0.63	283
401430235	2012	11	2	8	V	4.2	0	0.6	278
401430235	2012	11	2	9	C	-999	0	0	0
401430235	2012	11	2	10	V	1.8	0	2.83	184
401430235	2012	11	2	11	V	2.9	0	3.69	191
401430235	2012	11	2	12	V	2.8	0	4.15	214
401430235	2012	11	2	13	V	5.3	0	5.63	214
401430235	2012	11	2	14	V	3.0	0	6.48	211
401430235	2012	11	2	15	V	2.3	1	7.16	208
401430235	2012	11	2	16	V	3.0	1	7.06	200
401430235	2012	11	2	17	V	4.3	1	6.48	203
401430235	2012	11	2	18	V	4.2	1	4.32	194
401430235	2012	11	2	19	V	2.9	1	1.79	216
401430235	2012	11	2	20	V	2.8	0	1.52	200
401430235	2012	11	2	21	V	2.4	0	1.16	207
401430235	2012	11	2	22	V	2.5	0	1.69	196
401430235	2012	11	2	23	V	2.7	0	2.88	221
401430235	2012	11	2	24	V	2.0	0	2.27	230
401430235	2012	11	3	1	V	1.3	0	1.64	273
401430235	2012	11	3	2	V	18.2	0	2.35	323
401430235	2012	11	3	3	V	4.7	0	2.16	337
401430235	2012	11	3	4	V	4.3	0	2.2	338
401430235	2012	11	3	5	V	2.1	0	2.76	349
401430235	2012	11	3	6	V	1.5	0	2.3	350
401430235	2012	11	3	7	V	17.1	0	1.62	328
401430235	2012	11	3	8	V	6.0	0	2.23	341
401430235	2012	11	3	9	V	1.6	0	4.2	4
401430235	2012	11	3	10	V	1.5	1	4.34	10
401430235	2012	11	3	11	V	2.7	0	4.19	15
401430235	2012	11	3	12	V	2.8	0	3.74	13
401430235	2012	11	3	13	V	5.3	0	3.98	15
401430235	2012	11	3	14	V	3.0	0	4.22	16
401430235	2012	11	3	15	V	2.3	0	3.74	6
401430235	2012	11	3	16	V	2.9	0	3.68	12
401430235	2012	11	3	17	V	4.4	1	4.03	23
401430235	2012	11	3	18	V	4.1	1	1.84	8
401430235	2012	11	3	19	V	2.7	0	0.91	354
401430235	2012	11	3	20	V	2.9	0	0.97	356
401430235	2012	11	3	21	V	2.1	0	1.77	360
401430235	2012	11	3	22	V	2.3	0	1.54	3
401430235	2012	11	3	23	V	2.4	0	2.35	9
401430235	2012	11	3	24	V	2.0	0	1.72	20
401430235	2012	11	4	1	V	1.5	0	1.04	14
401430235	2012	11	4	2	V	2.0	0	0.84	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	4	3	V	1.2	0	1.18	6
401430235	2012	11	4	4	V	1.7	0	1.16	12
401430235	2012	11	4	5	V	1.9	0	1.28	8
401430235	2012	11	4	6	V	1.6	0	1.5	13
401430235	2012	11	4	7	V	6.6	1	1.01	340
401430235	2012	11	4	8	V	2.7	0	1.89	7
401430235	2012	11	4	9	V	3.7	0	2.21	33
401430235	2012	11	4	10	V	2.5	1	1.62	59
401430235	2012	11	4	11	V	4.8	1	1.06	99
401430235	2012	11	4	12	V	4.0	1	1.35	202
401430235	2012	11	4	13	V	5.7	1	1.89	139
401430235	2012	11	4	14	V	3.2	1	2.16	107
401430235	2012	11	4	15	V	2.7	1	1.64	132
401430235	2012	11	4	16	V	3.3	1	1.48	135
401430235	2012	11	4	17	V	4.5	1	1.98	135
401430235	2012	11	4	18	V	4.4	1	1.03	157
401430235	2012	11	4	19	V	27.9	0	0.55	312
401430235	2012	11	4	20	C	-999	0	0	0
401430235	2012	11	4	21	V	4.3	0	0.72	288
401430235	2012	11	4	22	C	-999	0	0	0
401430235	2012	11	4	23	V	3.3	0	0.67	221
401430235	2012	11	4	24	V	3.3	0	0.58	262
401430235	2012	11	5	1	V	1.7	0	0.86	229
401430235	2012	11	5	2	V	3.7	0	0.52	266
401430235	2012	11	5	3	C	-999	0	0	0
401430235	2012	11	5	4	C	-999	0	0	0
401430235	2012	11	5	5	V	1.9	0	1.2	262
401430235	2012	11	5	6	V	1.6	0	1.2	239
401430235	2012	11	5	7	V	3.2	0	0.65	283
401430235	2012	11	5	8	V	7.4	0	1.67	337
401430235	2012	11	5	9	V	3.2	1	3.12	340
401430235	2012	11	5	10	V	2.3	1	3.68	345
401430235	2012	11	5	11	V	4.6	2	4.34	337
401430235	2012	11	5	12	V	6.6	2	4.99	325
401430235	2012	11	5	13	V	6.4	1	5.44	341
401430235	2012	11	5	14	V	3.8	2	4.83	344
401430235	2012	11	5	15	V	5.1	1	4.77	332
401430235	2012	11	5	16	V	4.3	2	4.95	340
401430235	2012	11	5	17	V	4.8	2	5	344
401430235	2012	11	5	18	V	8.7	1	3.66	339
401430235	2012	11	5	19	V	4.8	1	2.95	343
401430235	2012	11	5	20	V	2.8	0	1.98	346
401430235	2012	11	5	21	V	5.2	0	1.91	338
401430235	2012	11	5	22	V	17.7	0	1.47	330
401430235	2012	11	5	23	V	2.4	0	2.57	18
401430235	2012	11	5	24	V	2.0	0	1.69	359

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	6	1	V	1.3	0	1.6	357
401430235	2012	11	6	2	V	2.3	0	0.75	358
401430235	2012	11	6	3	V	1.4	0	0.84	257
401430235	2012	11	6	4	V	30.3	0	0.65	315
401430235	2012	11	6	5	V	2.2	0	0.84	228
401430235	2012	11	6	6	V	2.1	0	0.74	229
401430235	2012	11	6	7	V	2.1	1	0.77	246
401430235	2012	11	6	8	V	3.0	1	1.21	208
401430235	2012	11	6	9	V	3.2	0	1.03	149
401430235	2012	11	6	10	V	1.9	0	2.35	203
401430235	2012	11	6	11	V	3.1	1	2.25	213
401430235	2012	11	6	12	V	2.8	1	2.83	236
401430235	2012	11	6	13	V	5.3	0	3.34	244
401430235	2012	11	6	14	V	3.4	0	3.15	285
401430235	2012	11	6	15	V	4.1	0	2.78	295
401430235	2012	11	6	16	V	6.0	0	2.47	300
401430235	2012	11	6	17	V	26.8	1	2.27	314
401430235	2012	11	6	18	V	29.0	0	1.33	309
401430235	2012	11	6	19	V	15.8	0	1.74	330
401430235	2012	11	6	20	V	21.0	0	1.87	322
401430235	2012	11	6	21	V	25.9	0	1.77	319
401430235	2012	11	6	22	V	33.7	0	1.43	317
401430235	2012	11	6	23	V	2.8	0	0.86	236
401430235	2012	11	6	24	V	3.3	0	0.57	239
401430235	2012	11	7	1	C	-999	0	0	0
401430235	2012	11	7	2	V	2.3	0	0.72	11
401430235	2012	11	7	3	V	1.9	0	0.79	283
401430235	2012	11	7	4	V	2.0	0	0.77	236
401430235	2012	11	7	5	V	21.1	0	0.55	329
401430235	2012	11	7	6	V	2.0	0	0.82	273
401430235	2012	11	7	7	V	1.8	1	1.01	257
401430235	2012	11	7	8	V	4.2	1	0.7	197
401430235	2012	11	7	9	V	3.3	1	1.35	30
401430235	2012	11	7	10	V	3.1	1	2.1	30
401430235	2012	11	7	11	V	2.8	0	2.69	14
401430235	2012	11	7	12	V	2.9	0	3.4	24
401430235	2012	11	7	13	V	5.4	0	3.08	20
401430235	2012	11	7	14	V	4.4	0	2.45	39
401430235	2012	11	7	15	V	2.6	0	2.28	62
401430235	2012	11	7	16	V	3.9	0	2.3	32
401430235	2012	11	7	17	V	4.4	0	1.54	75
401430235	2012	11	7	18	V	4.6	1	0.74	238
401430235	2012	11	7	19	V	3.2	1	0.7	80
401430235	2012	11	7	20	V	5.1	1	0.53	192
401430235	2012	11	7	21	C	-999	1	0	0
401430235	2012	11	7	22	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	7	23	V	4.8	0	0.67	287
401430235	2012	11	7	24	C	-999	0	0	0
401430235	2012	11	8	1	V	2.9	0	0.55	242
401430235	2012	11	8	2	V	2.2	1	0.75	256
401430235	2012	11	8	3	V	1.5	0	0.82	255
401430235	2012	11	8	4	V	2.0	0	1.06	221
401430235	2012	11	8	5	V	1.9	0	1.77	179
401430235	2012	11	8	6	V	1.6	0	1.96	168
401430235	2012	11	8	7	V	1.5	0	3.08	169
401430235	2012	11	8	8	V	2.7	0	4.42	168
401430235	2012	11	8	9	V	1.6	0	5.58	169
401430235	2012	11	8	10	V	1.5	1	6.23	166
401430235	2012	11	8	11	V	2.7	1	7.26	168
401430235	2012	11	8	12	V	2.7	1	7.79	166
401430235	2012	11	8	13	V	5.3	1	7.45	165
401430235	2012	11	8	14	V	3.0	1	7.15	167
401430235	2012	11	8	15	V	2.3	1	7.84	170
401430235	2012	11	8	16	V	2.9	-999	7.83	173
401430235	2012	11	8	17	V	4.3	-999	7.6	171
401430235	2012	11	8	18	V	4.1	-999	6.69	169
401430235	2012	11	8	19	V	2.3	0	5.27	167
401430235	2012	11	8	20	V	2.6	0	4.51	162
401430235	2012	11	8	21	V	2.1	0	5.07	167
401430235	2012	11	8	22	V	2.3	0	5.22	167
401430235	2012	11	8	23	V	2.4	0	4.32	163
401430235	2012	11	8	24	V	1.9	0	4.14	166
401430235	2012	11	9	1	V	1.3	0	4.27	168
401430235	2012	11	9	2	V	1.6	0	3.51	165
401430235	2012	11	9	3	V	1.0	0	3.54	167
401430235	2012	11	9	4	V	1.5	0	3.37	171
401430235	2012	11	9	5	V	1.8	0	3.2	171
401430235	2012	11	9	6	V	1.5	0	3	168
401430235	2012	11	9	7	V	1.5	0	3.01	165
401430235	2012	11	9	8	V	2.8	0	3.25	166
401430235	2012	11	9	9	V	1.7	0	5.7	183
401430235	2012	11	9	10	V	1.7	0	7.49	186
401430235	2012	11	9	11	V	2.9	0	8.08	191
401430235	2012	11	9	12	V	2.9	0	8.35	190
401430235	2012	11	9	13	V	5.4	0	8.3	181
401430235	2012	11	9	14	V	3.1	0	8.33	191
401430235	2012	11	9	15	V	2.4	0	8.16	184
401430235	2012	11	9	16	V	3.0	0	8.64	183
401430235	2012	11	9	17	V	4.4	0	7.48	186
401430235	2012	11	9	18	V	4.1	0	6.23	178
401430235	2012	11	9	19	V	2.3	0	6.13	177
401430235	2012	11	9	20	V	2.6	0	4.63	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	9	21	V	2.1	0	4.68	171
401430235	2012	11	9	22	V	2.3	0	5.24	172
401430235	2012	11	9	23	V	2.4	0	5.11	170
401430235	2012	11	9	24	V	2.0	0	5.63	175
401430235	2012	11	10	1	V	1.5	0	7.04	183
401430235	2012	11	10	2	V	1.7	0	6.21	183
401430235	2012	11	10	3	V	1.1	0	5.92	182
401430235	2012	11	10	4	V	1.7	0	5.48	186
401430235	2012	11	10	5	V	1.8	0	5.46	180
401430235	2012	11	10	6	V	1.5	0	5.55	175
401430235	2012	11	10	7	V	1.6	0	5.89	174
401430235	2012	11	10	8	V	2.8	0	6.19	176
401430235	2012	11	10	9	V	1.7	0	7.08	180
401430235	2012	11	10	10	V	1.7	0	8.44	185
401430235	2012	11	10	11	V	2.9	0	9.78	188
401430235	2012	11	10	12	V	2.9	0	9.73	184
401430235	2012	11	10	13	V	5.4	0	9.83	185
401430235	2012	11	10	14	V	3.1	0	10.48	183
401430235	2012	11	10	15	V	2.4	0	10.88	182
401430235	2012	11	10	16	V	2.9	0	10	175
401430235	2012	11	10	17	V	4.3	0	8.64	174
401430235	2012	11	10	18	V	4.1	0	7.74	172
401430235	2012	11	10	19	V	2.3	0	6.28	169
401430235	2012	11	10	20	V	2.6	0	6.6	169
401430235	2012	11	10	21	V	2.1	0	6.69	169
401430235	2012	11	10	22	V	2.3	0	6.79	171
401430235	2012	11	10	23	V	2.5	0	8.2	175
401430235	2012	11	10	24	V	2.0	0	9.13	174
401430235	2012	11	11	1	V	1.3	0	8.78	174
401430235	2012	11	11	2	V	1.8	0	8.66	181
401430235	2012	11	11	3	V	1.3	0	8.25	192
401430235	2012	11	11	4	V	1.7	0	7.4	178
401430235	2012	11	11	5	V	1.8	0	7.3	170
401430235	2012	11	11	6	V	1.6	0	7.52	172
401430235	2012	11	11	7	V	1.8	0	6.11	280
401430235	2012	11	11	8	V	4.8	0	3.12	344
401430235	2012	11	11	9	V	9.9	0	1.25	333
401430235	2012	11	11	10	V	9.5	0	1.64	334
401430235	2012	11	11	11	V	7.6	0	1.35	344
401430235	2012	11	11	12	V	5.3	0	1.76	292
401430235	2012	11	11	13	V	10.6	0	4.15	326
401430235	2012	11	11	14	V	6.4	0	3.9	333
401430235	2012	11	11	15	V	5.4	0	3.95	334
401430235	2012	11	11	16	V	6.5	0	3.73	333
401430235	2012	11	11	17	V	14.0	0	3.71	332
401430235	2012	11	11	18	V	12.4	0	3.46	333

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	11	19	V	8.6	0	3.44	334
401430235	2012	11	11	20	V	7.6	0	3.34	336
401430235	2012	11	11	21	V	3.7	0	1.88	341
401430235	2012	11	11	22	V	35.6	0	1.37	315
401430235	2012	11	11	23	V	14.9	0	2.03	328
401430235	2012	11	11	24	V	20.6	0	1.47	325
401430235	2012	11	12	1	V	25.0	0	1.25	323
401430235	2012	11	12	2	V	22.3	0	0.94	329
401430235	2012	11	12	3	V	1.6	0	0.79	278
401430235	2012	11	12	4	V	1.8	0	0.96	257
401430235	2012	11	12	5	V	2.2	0	0.82	261
401430235	2012	11	12	6	C	-999	0	0	0
401430235	2012	11	12	7	V	3.5	0	0.53	215
401430235	2012	11	12	8	V	3.6	0	0.72	214
401430235	2012	11	12	9	V	3.0	0	1.14	224
401430235	2012	11	12	10	V	2.4	0	1.71	213
401430235	2012	11	12	11	V	2.9	0	2.56	224
401430235	2012	11	12	12	V	2.9	0	2.89	226
401430235	2012	11	12	13	V	5.4	0	2.95	227
401430235	2012	11	12	14	V	3.1	0	2.55	270
401430235	2012	11	12	15	V	3.0	0	2.9	288
401430235	2012	11	12	16	V	3.0	0	2.38	262
401430235	2012	11	12	17	V	4.4	0	1.91	262
401430235	2012	11	12	18	V	4.4	0	0.86	265
401430235	2012	11	12	19	V	2.8	0	0.77	255
401430235	2012	11	12	20	C	-999	0	0	0
401430235	2012	11	12	21	V	3.9	0	0.52	237
401430235	2012	11	12	22	V	2.9	0	0.74	249
401430235	2012	11	12	23	V	2.8	0	0.79	236
401430235	2012	11	12	24	V	4.0	0	0.52	218
401430235	2012	11	13	1	C	-999	0	0	0
401430235	2012	11	13	2	V	3.1	0	0.55	239
401430235	2012	11	13	3	V	2.1	0	0.65	210
401430235	2012	11	13	4	V	3.0	0	0.57	224
401430235	2012	11	13	5	V	9.3	0	0.69	296
401430235	2012	11	13	6	V	2.5	0	0.62	238
401430235	2012	11	13	7	V	2.1	0	0.77	246
401430235	2012	11	13	8	V	3.6	0	0.67	222
401430235	2012	11	13	9	V	6.4	0	0.57	213
401430235	2012	11	13	10	V	4.1	0	1.03	180
401430235	2012	11	13	11	V	3.8	0	1.28	152
401430235	2012	11	13	12	V	2.9	0	3.37	182
401430235	2012	11	13	13	V	5.5	0	3.18	187
401430235	2012	11	13	14	V	3.1	0	3.64	172
401430235	2012	11	13	15	V	2.3	0	3.64	161
401430235	2012	11	13	16	V	3.0	0	3.42	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	13	17	V	4.3	0	3.2	160
401430235	2012	11	13	18	V	4.1	0	2.18	145
401430235	2012	11	13	19	V	3.0	0	0.77	166
401430235	2012	11	13	20	V	3.1	0	0.77	228
401430235	2012	11	13	21	C	-999	0	0	0
401430235	2012	11	13	22	C	-999	0	0	0
401430235	2012	11	13	23	C	-999	0	0	0
401430235	2012	11	13	24	C	-999	0	0	0
401430235	2012	11	14	1	V	2.3	0	0.63	240
401430235	2012	11	14	2	V	4.1	0	0.52	275
401430235	2012	11	14	3	C	-999	0	0	0
401430235	2012	11	14	4	V	3.2	0	0.55	247
401430235	2012	11	14	5	V	3.5	0	0.65	283
401430235	2012	11	14	6	V	3.2	0	0.55	268
401430235	2012	11	14	7	C	-999	0	0	0
401430235	2012	11	14	8	C	-999	0	0	0
401430235	2012	11	14	9	C	-999	0	0	0
401430235	2012	11	14	10	V	1.9	0	2.4	167
401430235	2012	11	14	11	V	2.9	0	3.69	185
401430235	2012	11	14	12	V	2.9	0	3.69	189
401430235	2012	11	14	13	V	5.5	0	4.22	185
401430235	2012	11	14	14	V	3.1	0	4.17	172
401430235	2012	11	14	15	V	2.5	0	3.93	190
401430235	2012	11	14	16	V	3.1	0	3.64	177
401430235	2012	11	14	17	V	4.3	0	3.22	161
401430235	2012	11	14	18	V	4.1	0	2.38	164
401430235	2012	11	14	19	V	2.8	0	1.03	179
401430235	2012	11	14	20	V	4.3	0	0.63	207
401430235	2012	11	14	21	V	2.3	0	1.4	176
401430235	2012	11	14	22	V	2.6	0	1.38	181
401430235	2012	11	14	23	V	3.7	0	0.58	261
401430235	2012	11	14	24	V	3.0	0	0.63	247
401430235	2012	11	15	1	V	1.9	0	0.75	241
401430235	2012	11	15	2	V	2.8	0	0.6	258
401430235	2012	11	15	3	V	3.4	0	0.62	285
401430235	2012	11	15	4	V	3.4	0	0.53	242
401430235	2012	11	15	5	V	3.1	0	0.57	234
401430235	2012	11	15	6	C	-999	0	0	0
401430235	2012	11	15	7	V	2.9	0	0.58	247
401430235	2012	11	15	8	V	3.4	0	0.7	227
401430235	2012	11	15	9	V	3.7	0	0.89	193
401430235	2012	11	15	10	V	1.8	0	3	178
401430235	2012	11	15	11	V	2.9	0	4.22	193
401430235	2012	11	15	12	V	2.9	0	4.09	186
401430235	2012	11	15	13	V	5.6	0	2.84	190
401430235	2012	11	15	14	V	3.1	1	2.5	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	15	15	V	2.4	1	2.84	136
401430235	2012	11	15	16	V	3.0	1	2.71	133
401430235	2012	11	15	17	V	4.3	-999	3.05	124
401430235	2012	11	15	18	V	4.1	0	1.52	111
401430235	2012	11	15	19	C	-999	0	0	0
401430235	2012	11	15	20	V	24.5	0	0.69	328
401430235	2012	11	15	21	V	2.8	0	0.69	265
401430235	2012	11	15	22	V	15.5	0	0.63	335
401430235	2012	11	15	23	V	2.7	0	0.92	273
401430235	2012	11	15	24	V	27.5	0	0.63	310
401430235	2012	11	16	1	V	2.6	0	0.58	251
401430235	2012	11	16	2	V	4.7	0	0.53	283
401430235	2012	11	16	3	V	21.4	0	0.57	306
401430235	2012	11	16	4	V	5.9	0	0.53	287
401430235	2012	11	16	5	V	12.6	0	0.55	297
401430235	2012	11	16	6	C	-999	0	0	0
401430235	2012	11	16	7	V	2.8	0	0.6	247
401430235	2012	11	16	8	V	3.7	0	0.63	256
401430235	2012	11	16	9	C	-999	0	0	0
401430235	2012	11	16	10	V	3.3	0	1.86	50
401430235	2012	11	16	11	V	3.3	0	1.67	62
401430235	2012	11	16	12	V	3.6	0	1.47	49
401430235	2012	11	16	13	V	6.0	0	1.3	106
401430235	2012	11	16	14	V	3.2	1	1.94	146
401430235	2012	11	16	15	V	2.4	0	2.35	133
401430235	2012	11	16	16	V	3.0	0	2.2	129
401430235	2012	11	16	17	V	4.3	0	2.2	154
401430235	2012	11	16	18	V	4.5	0	0.99	205
401430235	2012	11	16	19	C	-999	0	0	0
401430235	2012	11	16	20	C	-999	0	0	0
401430235	2012	11	16	21	C	-999	0	0	0
401430235	2012	11	16	22	C	-999	0	0	0
401430235	2012	11	16	23	V	21.2	0	0.53	329
401430235	2012	11	16	24	V	2.5	0	0.8	274
401430235	2012	11	17	1	C	-999	0	0	0
401430235	2012	11	17	2	V	3.1	0	0.57	262
401430235	2012	11	17	3	V	2.9	0	0.53	259
401430235	2012	11	17	4	V	8.1	0	0.74	296
401430235	2012	11	17	5	V	4.6	0	0.52	279
401430235	2012	11	17	6	V	3.0	0	0.57	214
401430235	2012	11	17	7	V	3.2	0	0.55	269
401430235	2012	11	17	8	C	-999	0	0	0
401430235	2012	11	17	9	V	4.0	0	0.8	152
401430235	2012	11	17	10	V	1.7	0	2.61	161
401430235	2012	11	17	11	V	2.8	0	4.65	171
401430235	2012	11	17	12	V	2.9	0	5.65	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	17	13	V	5.4	0	4.46	168
401430235	2012	11	17	14	V	3.0	1	4.36	159
401430235	2012	11	17	15	V	2.3	1	4.63	163
401430235	2012	11	17	16	V	2.9	0	4.95	168
401430235	2012	11	17	17	V	4.3	0	4	168
401430235	2012	11	17	18	V	4.1	0	2.52	155
401430235	2012	11	17	19	V	2.3	0	1.94	156
401430235	2012	11	17	20	V	3.0	0	1.37	184
401430235	2012	11	17	21	V	2.8	0	0.75	214
401430235	2012	11	17	22	V	3.2	0	0.8	200
401430235	2012	11	17	23	C	-999	0	0	0
401430235	2012	11	17	24	V	3.5	0	0.55	241
401430235	2012	11	18	1	V	2.6	0	0.57	234
401430235	2012	11	18	2	V	2.6	0	0.79	201
401430235	2012	11	18	3	V	1.7	0	1.06	186
401430235	2012	11	18	4	V	1.8	0	1.28	175
401430235	2012	11	18	5	V	2.3	0	1.01	201
401430235	2012	11	18	6	V	1.6	0	1.79	208
401430235	2012	11	18	7	V	1.7	0	2.13	192
401430235	2012	11	18	8	V	2.8	0	2.33	184
401430235	2012	11	18	9	V	1.7	0	3.59	178
401430235	2012	11	18	10	V	1.6	0	3.74	169
401430235	2012	11	18	11	V	2.8	0	4.56	170
401430235	2012	11	18	12	V	2.8	0	5.68	177
401430235	2012	11	18	13	V	5.4	1	6.65	175
401430235	2012	11	18	14	V	3.0	1	7.74	177
401430235	2012	11	18	15	V	2.3	1	6.46	176
401430235	2012	11	18	16	V	3.0	1	6.48	175
401430235	2012	11	18	17	V	4.3	1	5.04	166
401430235	2012	11	18	18	V	4.1	0	4.42	158
401430235	2012	11	18	19	V	2.3	0	4.22	160
401430235	2012	11	18	20	V	2.6	0	4.09	167
401430235	2012	11	18	21	V	2.1	0	3.92	173
401430235	2012	11	18	22	V	2.3	0	3.32	174
401430235	2012	11	18	23	V	2.4	0	3.03	168
401430235	2012	11	18	24	V	2.0	0	3.76	177
401430235	2012	11	19	1	V	1.3	0	3.83	171
401430235	2012	11	19	2	V	1.6	0	2.79	169
401430235	2012	11	19	3	V	1.1	0	2.81	167
401430235	2012	11	19	4	V	1.6	0	3.03	163
401430235	2012	11	19	5	V	1.8	0	3.39	157
401430235	2012	11	19	6	V	1.5	0	3.88	166
401430235	2012	11	19	7	V	1.5	0	4.43	171
401430235	2012	11	19	8	V	2.7	0	4.44	172
401430235	2012	11	19	9	V	1.6	0	4.32	171
401430235	2012	11	19	10	V	1.6	0	4.39	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	19	11	V	2.9	0	4.8	193
401430235	2012	11	19	12	V	2.9	0	4.22	185
401430235	2012	11	19	13	V	5.5	0	4.76	187
401430235	2012	11	19	14	V	3.1	0	4.19	194
401430235	2012	11	19	15	V	2.5	0	4.15	190
401430235	2012	11	19	16	V	3.1	0	4.12	185
401430235	2012	11	19	17	V	4.3	0	3.3	178
401430235	2012	11	19	18	V	4.1	0	2.59	185
401430235	2012	11	19	19	V	2.7	0	0.87	225
401430235	2012	11	19	20	V	4.1	0	0.63	162
401430235	2012	11	19	21	V	3.4	0	0.67	355
401430235	2012	11	19	22	V	3.5	0	0.72	174
401430235	2012	11	19	23	V	4.0	0	0.67	196
401430235	2012	11	19	24	V	3.9	0	0.62	187
401430235	2012	11	20	1	V	2.8	0	0.57	215
401430235	2012	11	20	2	V	3.5	0	0.52	224
401430235	2012	11	20	3	V	5.3	0	0.62	290
401430235	2012	11	20	4	V	2.2	0	0.69	233
401430235	2012	11	20	5	V	2.7	0	0.65	225
401430235	2012	11	20	6	V	3.3	0	0.55	272
401430235	2012	11	20	7	V	2.2	0	0.69	235
401430235	2012	11	20	8	C	-999	0	0	0
401430235	2012	11	20	9	V	4.8	0	0.7	175
401430235	2012	11	20	10	V	5.0	0	0.92	110
401430235	2012	11	20	11	V	3.3	0	2.3	55
401430235	2012	11	20	12	V	4.0	0	3	39
401430235	2012	11	20	13	V	5.4	0	2.71	19
401430235	2012	11	20	14	V	3.6	0	2.57	37
401430235	2012	11	20	15	V	2.5	0	2.64	27
401430235	2012	11	20	16	V	3.3	0	2.66	32
401430235	2012	11	20	17	V	4.3	0	2.11	26
401430235	2012	11	20	18	V	4.2	0	1.3	14
401430235	2012	11	20	19	V	4.1	0	0.77	348
401430235	2012	11	20	20	V	3.6	0	0.63	245
401430235	2012	11	20	21	C	-999	0	0	0
401430235	2012	11	20	22	C	-999	0	0	0
401430235	2012	11	20	23	V	3.5	0	0.62	257
401430235	2012	11	20	24	C	-999	0	0	0
401430235	2012	11	21	1	C	-999	0	0	0
401430235	2012	11	21	2	V	2.7	0	0.62	252
401430235	2012	11	21	3	C	-999	0	0	0
401430235	2012	11	21	4	V	21.2	0	0.53	306
401430235	2012	11	21	5	C	-999	0	0	0
401430235	2012	11	21	6	V	3.6	0	0.52	253
401430235	2012	11	21	7	C	-999	0	0	0
401430235	2012	11	21	8	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	21	9	V	3.2	0	0.84	238
401430235	2012	11	21	10	V	5.1	0	0.87	163
401430235	2012	11	21	11	V	4.2	0	1.28	161
401430235	2012	11	21	12	V	2.9	0	3.59	172
401430235	2012	11	21	13	V	5.4	0	4.88	175
401430235	2012	11	21	14	V	3.1	0	5.38	189
401430235	2012	11	21	15	V	2.4	0	5.58	194
401430235	2012	11	21	16	V	3.1	0	5.04	194
401430235	2012	11	21	17	V	4.4	0	4.77	196
401430235	2012	11	21	18	V	4.2	0	3.08	190
401430235	2012	11	21	19	V	2.4	0	2.4	194
401430235	2012	11	21	20	V	2.7	0	2.38	199
401430235	2012	11	21	21	V	2.1	0	2.66	172
401430235	2012	11	21	22	V	2.3	0	4.37	173
401430235	2012	11	21	23	V	2.4	0	3.76	172
401430235	2012	11	21	24	V	1.9	0	2.67	171
401430235	2012	11	22	1	V	1.3	0	2.39	160
401430235	2012	11	22	2	V	1.6	0	4.19	171
401430235	2012	11	22	3	V	1.0	0	4.32	176
401430235	2012	11	22	4	V	1.6	0	3.37	179
401430235	2012	11	22	5	V	1.8	0	2.59	167
401430235	2012	11	22	6	V	1.6	0	1.74	155
401430235	2012	11	22	7	V	1.6	0	1.67	146
401430235	2012	11	22	8	V	2.7	0	3.07	167
401430235	2012	11	22	9	V	1.7	0	3.32	171
401430235	2012	11	22	10	V	1.6	0	3.52	173
401430235	2012	11	22	11	V	2.9	0	4.87	183
401430235	2012	11	22	12	V	2.9	0	6.97	192
401430235	2012	11	22	13	V	5.4	0	8.71	195
401430235	2012	11	22	14	V	3.1	0	8.86	194
401430235	2012	11	22	15	V	2.4	0	8.25	192
401430235	2012	11	22	16	V	3.1	0	7.98	190
401430235	2012	11	22	17	V	4.5	0	6.57	193
401430235	2012	11	22	18	V	4.2	0	4.78	196
401430235	2012	11	22	19	V	2.4	0	2.81	194
401430235	2012	11	22	20	V	2.9	0	1.43	199
401430235	2012	11	22	21	V	2.7	0	1.18	190
401430235	2012	11	22	22	V	9.1	0	3.66	336
401430235	2012	11	22	23	V	2.5	0	6.01	8
401430235	2012	11	22	24	V	2.1	0	5.55	4
401430235	2012	11	23	1	V	1.4	0	5.44	9
401430235	2012	11	23	2	V	1.7	0	7.32	22
401430235	2012	11	23	3	V	1.1	0	6.43	18
401430235	2012	11	23	4	V	1.6	0	3.34	5
401430235	2012	11	23	5	V	1.8	0	2.84	1
401430235	2012	11	23	6	V	2.0	0	2.42	343

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	23	7	V	1.8	0	3.64	352
401430235	2012	11	23	8	V	3.0	0	3.66	352
401430235	2012	11	23	9	V	1.5	0	5.31	358
401430235	2012	11	23	10	V	1.5	0	4.95	358
401430235	2012	11	23	11	V	2.7	0	5.58	9
401430235	2012	11	23	12	V	3.0	0	5.38	350
401430235	2012	11	23	13	V	5.5	0	5.5	350
401430235	2012	11	23	14	V	4.1	0	4.61	342
401430235	2012	11	23	15	V	3.1	0	4.56	344
401430235	2012	11	23	16	V	6.5	0	4	332
401430235	2012	11	23	17	V	9.8	0	3.35	337
401430235	2012	11	23	18	V	5.3	0	2.42	341
401430235	2012	11	23	19	V	11.9	0	1.52	334
401430235	2012	11	23	20	V	21.6	0	1.31	327
401430235	2012	11	23	21	V	32.2	0	1.23	319
401430235	2012	11	23	22	V	2.3	0	1.91	358
401430235	2012	11	23	23	V	2.4	0	1.98	3
401430235	2012	11	23	24	V	2.0	0	1.81	11
401430235	2012	11	24	1	V	1.3	0	1.96	9
401430235	2012	11	24	2	V	2.0	0	0.84	1
401430235	2012	11	24	3	V	2.3	0	0.8	286
401430235	2012	11	24	4	V	2.7	0	0.62	240
401430235	2012	11	24	5	V	2.6	0	0.69	264
401430235	2012	11	24	6	V	3.4	0	0.53	218
401430235	2012	11	24	7	V	3.6	0	0.53	271
401430235	2012	11	24	8	V	2.9	0	1.09	229
401430235	2012	11	24	9	V	4.5	0	0.63	160
401430235	2012	11	24	10	V	4.0	0	1.08	178
401430235	2012	11	24	11	V	2.8	0	3.07	166
401430235	2012	11	24	12	V	2.9	0	3.25	165
401430235	2012	11	24	13	V	5.5	0	3.78	175
401430235	2012	11	24	14	V	3.1	0	4.17	172
401430235	2012	11	24	15	V	2.3	1	4.42	166
401430235	2012	11	24	16	V	3.1	0	5.33	182
401430235	2012	11	24	17	V	4.4	0	5.34	186
401430235	2012	11	24	18	V	4.1	0	3.74	173
401430235	2012	11	24	19	V	2.3	0	3.34	180
401430235	2012	11	24	20	V	2.7	0	3.49	191
401430235	2012	11	24	21	V	2.2	0	3.18	190
401430235	2012	11	24	22	V	2.3	0	2.69	187
401430235	2012	11	24	23	V	2.5	0	3.05	189
401430235	2012	11	24	24	V	2.0	0	3.34	189
401430235	2012	11	25	1	V	1.4	0	3.35	187
401430235	2012	11	25	2	V	1.7	0	1.99	183
401430235	2012	11	25	3	V	1.4	0	1.14	171
401430235	2012	11	25	4	V	2.1	0	0.96	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	25	5	V	3.9	0	0.51	127
401430235	2012	11	25	6	V	2.1	0	1.14	196
401430235	2012	11	25	7	V	2.7	0	0.8	188
401430235	2012	11	25	8	V	3.1	0	1.25	180
401430235	2012	11	25	9	V	2.2	0	1.43	178
401430235	2012	11	25	10	V	1.7	0	3.18	183
401430235	2012	11	25	11	V	2.9	1	4.34	183
401430235	2012	11	25	12	V	3.0	1	3.61	184
401430235	2012	11	25	13	V	5.5	1	3.54	192
401430235	2012	11	25	14	V	3.2	1	3.18	179
401430235	2012	11	25	15	V	2.4	1	3.12	161
401430235	2012	11	25	16	V	3.0	1	3.27	169
401430235	2012	11	25	17	V	4.3	1	2.28	181
401430235	2012	11	25	18	V	4.4	0	0.87	256
401430235	2012	11	25	19	V	4.0	0	0.67	352
401430235	2012	11	25	20	V	5.6	0	0.65	348
401430235	2012	11	25	21	C	-999	0	0	0
401430235	2012	11	25	22	V	7.7	0	0.62	344
401430235	2012	11	25	23	V	2.4	0	1.59	22
401430235	2012	11	25	24	V	1.9	0	2.22	14
401430235	2012	11	26	1	V	1.3	0	2.35	22
401430235	2012	11	26	2	V	1.6	0	2.59	16
401430235	2012	11	26	3	V	1.0	0	2.76	17
401430235	2012	11	26	4	V	1.6	0	3.12	17
401430235	2012	11	26	5	V	1.8	0	3.47	13
401430235	2012	11	26	6	V	1.5	0	3.76	12
401430235	2012	11	26	7	V	1.6	0	3.88	10
401430235	2012	11	26	8	V	2.8	0	4.17	10
401430235	2012	11	26	9	V	1.7	0	4.34	6
401430235	2012	11	26	10	V	1.5	0	5.02	9
401430235	2012	11	26	11	V	2.7	0	5.29	9
401430235	2012	11	26	12	V	2.7	0	5.29	8
401430235	2012	11	26	13	V	5.3	0	5.82	3
401430235	2012	11	26	14	V	2.9	0	6.62	10
401430235	2012	11	26	15	V	2.2	0	6.43	10
401430235	2012	11	26	16	V	2.9	0	8.06	22
401430235	2012	11	26	17	V	4.3	0	7.06	21
401430235	2012	11	26	18	V	4.2	0	7.26	21
401430235	2012	11	26	19	V	2.4	0	6.11	21
401430235	2012	11	26	20	V	2.7	0	6.74	20
401430235	2012	11	26	21	V	2.2	0	6.02	21
401430235	2012	11	26	22	V	2.4	0	5.22	15
401430235	2012	11	26	23	V	2.5	0	6.11	17
401430235	2012	11	26	24	V	2.0	0	5.62	15
401430235	2012	11	27	1	V	1.3	0	4.63	10
401430235	2012	11	27	2	V	1.6	0	4.39	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	27	3	V	1.0	0	3.52	10
401430235	2012	11	27	4	V	1.6	0	3.34	18
401430235	2012	11	27	5	V	1.8	0	3.47	11
401430235	2012	11	27	6	V	1.5	0	3.05	12
401430235	2012	11	27	7	V	1.6	0	2.11	357
401430235	2012	11	27	8	V	2.7	0	2.73	17
401430235	2012	11	27	9	V	1.7	0	2.83	20
401430235	2012	11	27	10	V	4.8	0	2.61	41
401430235	2012	11	27	11	V	4.5	0	1.71	43
401430235	2012	11	27	12	V	3.3	0	1.69	72
401430235	2012	11	27	13	V	6.1	0	1.47	136
401430235	2012	11	27	14	V	4.1	0	1.26	154
401430235	2012	11	27	15	V	2.9	0	1.33	144
401430235	2012	11	27	16	V	3.2	0	2.03	191
401430235	2012	11	27	17	V	4.4	0	2.23	186
401430235	2012	11	27	18	V	4.5	0	1.01	207
401430235	2012	11	27	19	C	-999	0	0	0
401430235	2012	11	27	20	C	-999	0	0	0
401430235	2012	11	27	21	C	-999	0	0	0
401430235	2012	11	27	22	V	5.7	0	0.52	283
401430235	2012	11	27	23	V	6.1	0	0.53	285
401430235	2012	11	27	24	V	3.8	0	0.53	259
401430235	2012	11	28	1	V	3.1	0	0.53	249
401430235	2012	11	28	2	V	3.2	1	0.6	278
401430235	2012	11	28	3	C	-999	1	0	0
401430235	2012	11	28	4	V	3.1	1	0.55	232
401430235	2012	11	28	5	V	2.6	1	0.67	225
401430235	2012	11	28	6	C	-999	1	0	0
401430235	2012	11	28	7	C	-999	1	0	0
401430235	2012	11	28	8	C	-999	1	0	0
401430235	2012	11	28	9	V	2.9	1	0.87	210
401430235	2012	11	28	10	V	2.5	0	1.38	156
401430235	2012	11	28	11	V	3.0	0	2.42	147
401430235	2012	11	28	12	V	2.8	0	3.49	156
401430235	2012	11	28	13	V	5.4	0	4.25	166
401430235	2012	11	28	14	V	3.0	0	4.44	170
401430235	2012	11	28	15	V	2.3	0	4.53	168
401430235	2012	11	28	16	V	2.9	0	4.39	168
401430235	2012	11	28	17	V	4.3	0	3.83	167
401430235	2012	11	28	18	V	4.1	0	3	159
401430235	2012	11	28	19	V	2.3	0	2.42	158
401430235	2012	11	28	20	V	2.6	0	3.2	172
401430235	2012	11	28	21	V	2.1	0	3.54	176
401430235	2012	11	28	22	V	2.3	0	3.39	180
401430235	2012	11	28	23	V	2.4	0	3.1	168
401430235	2012	11	28	24	V	1.9	0	2.32	160

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	29	1	V	1.6	0	1.2	176
401430235	2012	11	29	2	V	2.6	0	0.89	190
401430235	2012	11	29	3	V	1.6	0	0.89	206
401430235	2012	11	29	4	V	1.5	0	2.38	180
401430235	2012	11	29	5	V	1.8	0	2.88	168
401430235	2012	11	29	6	V	1.5	0	2.59	172
401430235	2012	11	29	7	V	1.7	0	1.64	177
401430235	2012	11	29	8	V	2.7	0	2.59	165
401430235	2012	11	29	9	V	1.7	0	4.6	177
401430235	2012	11	29	10	V	1.6	0	7.09	187
401430235	2012	11	29	11	V	2.9	0	7.52	188
401430235	2012	11	29	12	V	2.9	0	7.04	187
401430235	2012	11	29	13	V	5.5	-999	7.6	190
401430235	2012	11	29	14	V	3.1	-999	8.2	193
401430235	2012	11	29	15	V	2.4	0	7.6	191
401430235	2012	11	29	16	V	3.0	0	7.3	183
401430235	2012	11	29	17	V	4.3	0	6.26	177
401430235	2012	11	29	18	V	4.1	0	5.12	170
401430235	2012	11	29	19	V	2.3	0	4.12	166
401430235	2012	11	29	20	V	2.7	0	2.15	182
401430235	2012	11	29	21	V	2.4	0	1.31	200
401430235	2012	11	29	22	V	2.4	0	1.62	173
401430235	2012	11	29	23	V	2.4	0	1.77	167
401430235	2012	11	29	24	V	1.9	0	2.33	159
401430235	2012	11	30	1	V	1.3	0	2.27	160
401430235	2012	11	30	2	V	1.6	0	1.79	157
401430235	2012	11	30	3	V	1.1	0	1.69	166
401430235	2012	11	30	4	V	1.6	0	2.04	169
401430235	2012	11	30	5	V	1.8	0	2.37	166
401430235	2012	11	30	6	V	1.5	0	1.87	162
401430235	2012	11	30	7	V	1.9	0	1.18	171
401430235	2012	11	30	8	V	2.7	0	2.33	178
401430235	2012	11	30	9	V	1.7	0	3.3	172
401430235	2012	11	30	10	V	1.6	0	3.59	172
401430235	2012	11	30	11	V	2.9	0	6.09	189
401430235	2012	11	30	12	V	2.9	0	5.65	191
401430235	2012	11	30	13	V	5.4	0	5.31	181
401430235	2012	11	30	14	V	3.0	0	4.71	173
401430235	2012	11	30	15	V	2.3	0	4.65	174
401430235	2012	11	30	16	V	3.0	0	4.05	177
401430235	2012	11	30	17	V	4.3	0	3.22	170
401430235	2012	11	30	18	V	4.1	0	1.53	150
401430235	2012	11	30	19	V	2.2	0	2.73	165
401430235	2012	11	30	20	V	2.8	0	2.83	191
401430235	2012	11	30	21	V	2.1	0	3.69	173
401430235	2012	11	30	22	V	2.3	0	3.1	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	11	30	23	V	2.4	0	3.27	175
401430235	2012	11	30	24	V	2.0	0	3.71	166
401430235	2012	12	1	1	V	2.4	0	3.39	163
401430235	2012	12	1	2	V	2.4	0	3.81	169
401430235	2012	12	1	3	V	1.9	0	4.09	167
401430235	2012	12	1	4	V	1.9	0	3.59	162
401430235	2012	12	1	5	V	2.1	0	4	165
401430235	2012	12	1	6	V	2.0	0	6.11	178
401430235	2012	12	1	7	V	1.7	0	6.65	177
401430235	2012	12	1	8	V	2.5	0	7.18	180
401430235	2012	12	1	9	V	2.1	0	7.72	182
401430235	2012	12	1	10	V	3.1	0	8.86	188
401430235	2012	12	1	11	V	3.0	0	9.81	191
401430235	2012	12	1	12	V	5.5	0	9.83	195
401430235	2012	12	1	13	V	6.3	0	9.36	196
401430235	2012	12	1	14	V	3.0	0	9.8	195
401430235	2012	12	1	15	V	2.0	0	8.96	192
401430235	2012	12	1	16	V	3.3	0	7.89	198
401430235	2012	12	1	17	V	3.5	0	6.18	194
401430235	2012	12	1	18	V	4.4	0	3.98	192
401430235	2012	12	1	19	V	3.0	0	3.76	193
401430235	2012	12	1	20	V	2.4	0	2.81	187
401430235	2012	12	1	21	V	3.2	0	1.33	188
401430235	2012	12	1	22	V	3.8	0	0.69	81
401430235	2012	12	1	23	V	4.8	0	0.8	46
401430235	2012	12	1	24	V	3.4	0	1.45	350
401430235	2012	12	2	1	V	16.9	0	0.79	334
401430235	2012	12	2	2	V	4.4	0	0.55	219
401430235	2012	12	2	3	V	2.2	0	1.47	212
401430235	2012	12	2	4	V	2.2	0	1.79	191
401430235	2012	12	2	5	V	2.8	0	0.89	203
401430235	2012	12	2	6	V	3.4	0	0.6	142
401430235	2012	12	2	7	V	2.7	0	0.69	265
401430235	2012	12	2	8	V	2.9	0	1.28	219
401430235	2012	12	2	9	V	2.4	0	1.6	203
401430235	2012	12	2	10	V	3.4	0	2.21	227
401430235	2012	12	2	11	V	3.0	0	3.76	215
401430235	2012	12	2	12	V	5.4	0	5.46	211
401430235	2012	12	2	13	V	6.3	0	4.9	212
401430235	2012	12	2	14	V	3.0	0	4.07	211
401430235	2012	12	2	15	V	2.0	0	5.43	200
401430235	2012	12	2	16	V	3.3	0	6.01	195
401430235	2012	12	2	17	V	3.5	0	5.27	191
401430235	2012	12	2	18	V	4.3	0	3.24	178
401430235	2012	12	2	19	V	2.9	0	2.88	168
401430235	2012	12	2	20	V	2.4	0	3.56	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	2	21	V	2.6	0	4.07	174
401430235	2012	12	2	22	V	2.7	0	4.2	168
401430235	2012	12	2	23	V	3.7	0	4.78	168
401430235	2012	12	2	24	V	3.2	0	5.16	176
401430235	2012	12	3	1	V	2.4	0	6.07	182
401430235	2012	12	3	2	V	2.5	0	6.55	188
401430235	2012	12	3	3	V	2.0	0	6.82	185
401430235	2012	12	3	4	V	2.0	0	7.4	183
401430235	2012	12	3	5	V	2.2	0	7.08	185
401430235	2012	12	3	6	V	2.1	0	7.5	185
401430235	2012	12	3	7	V	1.8	0	7.21	190
401430235	2012	12	3	8	V	2.6	0	6.94	187
401430235	2012	12	3	9	V	2.2	0	7.76	191
401430235	2012	12	3	10	V	3.1	0	8.5	189
401430235	2012	12	3	11	V	3.1	0	8.9	188
401430235	2012	12	3	12	V	5.5	0	9.53	192
401430235	2012	12	3	13	V	6.3	0	10.44	195
401430235	2012	12	3	14	V	3.0	0	9.8	192
401430235	2012	12	3	15	V	2.0	0	9.25	188
401430235	2012	12	3	16	V	3.4	0	8.27	191
401430235	2012	12	3	17	V	3.5	0	6.14	192
401430235	2012	12	3	18	V	4.4	0	4.99	186
401430235	2012	12	3	19	V	3.0	0	4.61	183
401430235	2012	12	3	20	V	2.4	0	2.9	172
401430235	2012	12	3	21	V	2.8	0	1.57	200
401430235	2012	12	3	22	V	2.7	0	1.99	264
401430235	2012	12	3	23	V	4.0	0	3.27	348
401430235	2012	12	3	24	V	3.3	0	4.1	7
401430235	2012	12	4	1	V	2.3	0	5.19	10
401430235	2012	12	4	2	V	2.4	0	5.26	8
401430235	2012	12	4	3	V	1.9	0	5.19	4
401430235	2012	12	4	4	V	1.9	0	6.18	9
401430235	2012	12	4	5	V	2.1	0	5.5	13
401430235	2012	12	4	6	V	2.0	0	5.09	13
401430235	2012	12	4	7	V	1.6	0	4.73	5
401430235	2012	12	4	8	V	2.4	0	4.61	8
401430235	2012	12	4	9	V	2.0	0	4.46	5
401430235	2012	12	4	10	V	2.9	0	4.71	11
401430235	2012	12	4	11	V	2.9	0	4.39	25
401430235	2012	12	4	12	V	5.4	0	5.21	24
401430235	2012	12	4	13	V	6.2	0	5.22	12
401430235	2012	12	4	14	V	2.8	0	5.27	14
401430235	2012	12	4	15	V	1.8	0	5.05	14
401430235	2012	12	4	16	V	3.1	0	4.6	13
401430235	2012	12	4	17	V	3.4	0	3.73	18
401430235	2012	12	4	18	V	4.4	0	1.64	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	4	19	V	18.7	0	0.89	333
401430235	2012	12	4	20	V	3.3	0	0.74	271
401430235	2012	12	4	21	C	-999	0	0	0
401430235	2012	12	4	22	V	5.5	0	0.65	288
401430235	2012	12	4	23	V	4.9	0	0.67	239
401430235	2012	12	4	24	V	4.8	0	0.6	250
401430235	2012	12	5	1	V	3.6	0	0.67	253
401430235	2012	12	5	2	C	-999	0	0	0
401430235	2012	12	5	3	V	2.7	0	0.75	233
401430235	2012	12	5	4	C	-999	0	0	0
401430235	2012	12	5	5	C	-999	0	0	0
401430235	2012	12	5	6	V	29.3	0	0.79	310
401430235	2012	12	5	7	V	2.7	0	0.69	265
401430235	2012	12	5	8	V	3.8	0	0.65	220
401430235	2012	12	5	9	V	3.2	0	0.62	166
401430235	2012	12	5	10	V	5.7	0	0.87	126
401430235	2012	12	5	11	V	3.5	0	1.98	148
401430235	2012	12	5	12	V	5.5	0	2.96	150
401430235	2012	12	5	13	V	6.2	0	4.8	146
401430235	2012	12	5	14	V	2.8	-999	5.33	138
401430235	2012	12	5	15	V	1.9	0	3.97	141
401430235	2012	12	5	16	V	3.2	0	3.76	137
401430235	2012	12	5	17	V	3.4	0	3.71	137
401430235	2012	12	5	18	V	4.3	0	2.49	158
401430235	2012	12	5	19	V	2.9	0	2.37	148
401430235	2012	12	5	20	V	2.4	0	2.57	148
401430235	2012	12	5	21	V	2.7	0	1.72	159
401430235	2012	12	5	22	V	2.7	0	2.88	170
401430235	2012	12	5	23	V	3.7	0	3.23	167
401430235	2012	12	5	24	V	3.4	0	2.54	193
401430235	2012	12	6	1	V	2.5	0	1.89	183
401430235	2012	12	6	2	V	2.7	0	1.69	195
401430235	2012	12	6	3	V	2.1	0	1.96	196
401430235	2012	12	6	4	V	2.1	0	1.99	187
401430235	2012	12	6	5	V	2.1	0	1.94	176
401430235	2012	12	6	6	V	2.1	0	2.06	182
401430235	2012	12	6	7	V	1.9	0	1.43	210
401430235	2012	12	6	8	V	2.5	0	2.27	195
401430235	2012	12	6	9	V	2.0	0	3.83	165
401430235	2012	12	6	10	V	3.0	0	4.32	167
401430235	2012	12	6	11	V	2.9	0	4.58	164
401430235	2012	12	6	12	V	5.4	-999	5.96	166
401430235	2012	12	6	13	V	6.2	-999	5.85	166
401430235	2012	12	6	14	V	2.9	0	6.31	161
401430235	2012	12	6	15	V	1.8	0	5.9	153
401430235	2012	12	6	16	V	3.2	0	5.04	158

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	6	17	V	3.4	0	4	160
401430235	2012	12	6	18	V	4.4	0	3.4	158
401430235	2012	12	6	19	V	2.9	0	2.69	151
401430235	2012	12	6	20	V	2.4	0	2.3	156
401430235	2012	12	6	21	V	2.7	0	2.1	169
401430235	2012	12	6	22	V	2.7	0	2.49	176
401430235	2012	12	6	23	V	3.8	0	2.78	171
401430235	2012	12	6	24	V	3.3	0	1.94	173
401430235	2012	12	7	1	V	2.5	0	1.33	161
401430235	2012	12	7	2	V	2.7	0	1.09	133
401430235	2012	12	7	3	V	2.1	0	1.23	84
401430235	2012	12	7	4	V	2.7	0	0.79	83
401430235	2012	12	7	5	V	2.4	0	1.11	356
401430235	2012	12	7	6	V	5.4	0	1.99	37
401430235	2012	12	7	7	V	7.0	0	1.79	43
401430235	2012	12	7	8	V	2.5	0	1.62	23
401430235	2012	12	7	9	V	2.2	0	1.18	58
401430235	2012	12	7	10	V	3.5	0	1.42	84
401430235	2012	12	7	11	V	4.4	0	1.03	95
401430235	2012	12	7	12	V	7.7	0	0.97	174
401430235	2012	12	7	13	V	7.5	0	0.94	165
401430235	2012	12	7	14	V	4.6	0	0.77	230
401430235	2012	12	7	15	V	15.3	0	1.03	323
401430235	2012	12	7	16	V	3.6	0	0.82	4
401430235	2012	12	7	17	C	-999	0	0	0
401430235	2012	12	7	18	V	9.0	0	0.52	290
401430235	2012	12	7	19	V	11.3	0	0.92	338
401430235	2012	12	7	20	V	3.2	0	0.97	286
401430235	2012	12	7	21	V	10.7	0	0.74	297
401430235	2012	12	7	22	V	2.8	0	1.45	276
401430235	2012	12	7	23	V	4.4	0	1.89	298
401430235	2012	12	7	24	V	18.7	0	2.16	325
401430235	2012	12	8	1	V	2.5	0	2.06	343
401430235	2012	12	8	2	V	2.4	0	2.72	358
401430235	2012	12	8	3	V	1.9	0	2.18	359
401430235	2012	12	8	4	V	1.9	0	3.05	4
401430235	2012	12	8	5	V	2.1	0	3.32	7
401430235	2012	12	8	6	V	2.0	0	3.17	6
401430235	2012	12	8	7	V	1.7	0	3.32	15
401430235	2012	12	8	8	V	2.4	0	2.89	18
401430235	2012	12	8	9	V	2.6	0	3.27	32
401430235	2012	12	8	10	V	4.6	0	2.2	31
401430235	2012	12	8	11	V	3.9	0	1.76	29
401430235	2012	12	8	12	V	7.6	0	2.3	35
401430235	2012	12	8	13	V	7.8	0	1.5	33
401430235	2012	12	8	14	V	3.5	0	1.14	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	8	15	V	2.4	0	1.21	23
401430235	2012	12	8	16	V	4.0	0	0.84	31
401430235	2012	12	8	17	V	3.5	0	1.52	25
401430235	2012	12	8	18	V	4.3	0	2.59	30
401430235	2012	12	8	19	V	3.0	0	2.66	30
401430235	2012	12	8	20	V	9.0	0	2.3	40
401430235	2012	12	8	21	V	3.1	0	1.71	33
401430235	2012	12	8	22	V	2.9	0	1.21	19
401430235	2012	12	8	23	V	4.0	0	1.23	54
401430235	2012	12	8	24	V	3.3	0	1.67	19
401430235	2012	12	9	1	V	2.4	0	1.72	21
401430235	2012	12	9	2	V	2.4	0	2.66	19
401430235	2012	12	9	3	V	1.9	0	2.59	22
401430235	2012	12	9	4	V	1.9	0	2.91	20
401430235	2012	12	9	5	V	2.1	0	2.74	7
401430235	2012	12	9	6	V	2.0	0	2.93	360
401430235	2012	12	9	7	V	1.7	0	3.37	2
401430235	2012	12	9	8	V	2.4	0	3.39	3
401430235	2012	12	9	9	V	2.0	0	4.37	1
401430235	2012	12	9	10	V	2.9	0	4.97	4
401430235	2012	12	9	11	V	2.8	0	5.22	4
401430235	2012	12	9	12	V	5.4	0	4.63	3
401430235	2012	12	9	13	V	6.2	0	5.05	3
401430235	2012	12	9	14	V	2.9	0	4.51	351
401430235	2012	12	9	15	V	3.0	0	4.58	340
401430235	2012	12	9	16	V	4.4	0	4.78	339
401430235	2012	12	9	17	V	10.5	0	4.22	332
401430235	2012	12	9	18	V	11.2	0	4.75	332
401430235	2012	12	9	19	V	8.7	0	4.34	333
401430235	2012	12	9	20	V	3.8	0	5.41	341
401430235	2012	12	9	21	V	4.4	0	5.36	340
401430235	2012	12	9	22	V	4.0	0	4.83	341
401430235	2012	12	9	23	V	4.7	0	4.83	342
401430235	2012	12	9	24	V	4.1	0	3.56	342
401430235	2012	12	10	1	V	2.6	0	3.1	343
401430235	2012	12	10	2	V	3.4	0	4.14	343
401430235	2012	12	10	3	V	8.5	0	4.05	332
401430235	2012	12	10	4	V	11.6	0	3.52	329
401430235	2012	12	10	5	V	13.8	0	4.02	323
401430235	2012	12	10	6	V	13.1	0	4.63	325
401430235	2012	12	10	7	V	9.9	0	4.12	328
401430235	2012	12	10	8	V	6.7	0	2.64	335
401430235	2012	12	10	9	V	10.7	0	3.29	333
401430235	2012	12	10	10	V	8.4	0	3.13	328
401430235	2012	12	10	11	V	8.4	0	3.46	325
401430235	2012	12	10	12	V	10.9	0	3.27	322

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	10	13	V	10.7	0	3.37	307
401430235	2012	12	10	14	V	8.3	0	3.15	313
401430235	2012	12	10	15	V	7.6	0	2.79	322
401430235	2012	12	10	16	V	8.9	0	2.03	307
401430235	2012	12	10	17	V	3.4	0	1.99	276
401430235	2012	12	10	18	V	4.4	0	1.57	267
401430235	2012	12	10	19	V	3.4	0	0.92	263
401430235	2012	12	10	20	V	3.7	0	0.65	263
401430235	2012	12	10	21	V	3.5	0	0.74	242
401430235	2012	12	10	22	V	4.3	0	0.6	254
401430235	2012	12	10	23	V	4.6	0	0.97	197
401430235	2012	12	10	24	V	4.1	0	0.84	209
401430235	2012	12	11	1	V	3.0	0	0.94	218
401430235	2012	12	11	2	V	2.9	0	0.91	242
401430235	2012	12	11	3	V	2.5	0	0.97	221
401430235	2012	12	11	4	V	3.5	0	0.63	207
401430235	2012	12	11	5	V	3.0	0	0.77	272
401430235	2012	12	11	6	V	2.7	0	0.91	207
401430235	2012	12	11	7	V	2.2	0	1.04	215
401430235	2012	12	11	8	V	3.6	0	0.69	219
401430235	2012	12	11	9	V	2.5	0	1.01	206
401430235	2012	12	11	10	V	3.6	0	1.77	194
401430235	2012	12	11	11	V	3.3	0	2.4	172
401430235	2012	12	11	12	V	5.8	1	2.4	189
401430235	2012	12	11	13	V	6.4	0	2.95	211
401430235	2012	12	11	14	V	3.1	0	3.85	190
401430235	2012	12	11	15	V	2.0	0	4.14	203
401430235	2012	12	11	16	V	3.3	0	3.83	203
401430235	2012	12	11	17	V	3.4	0	3.78	185
401430235	2012	12	11	18	V	4.4	0	2.57	187
401430235	2012	12	11	19	V	3.1	0	1.59	202
401430235	2012	12	11	20	V	2.9	0	1.21	218
401430235	2012	12	11	21	V	3.1	0	1.2	212
401430235	2012	12	11	22	V	3.6	0	0.82	207
401430235	2012	12	11	23	V	5.1	0	0.62	69
401430235	2012	12	11	24	C	-999	0	0	0
401430235	2012	12	12	1	C	-999	0	0	0
401430235	2012	12	12	2	C	-999	0	0	0
401430235	2012	12	12	3	C	-999	0	0	0
401430235	2012	12	12	4	C	-999	0	0	0
401430235	2012	12	12	5	C	-999	0	0	0
401430235	2012	12	12	6	V	3.2	0	0.69	158
401430235	2012	12	12	7	V	2.4	0	1.08	189
401430235	2012	12	12	8	V	2.7	0	1.47	198
401430235	2012	12	12	9	V	2.4	0	1.67	188
401430235	2012	12	12	10	V	3.2	0	4.7	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	12	11	V	3.0	0	5.24	198
401430235	2012	12	12	12	V	5.6	0	6.48	193
401430235	2012	12	12	13	V	6.4	0	6.18	186
401430235	2012	12	12	14	V	3.0	0	6.5	185
401430235	2012	12	12	15	V	1.9	0	5.99	176
401430235	2012	12	12	16	V	3.2	0	5.92	169
401430235	2012	12	12	17	V	3.4	0	4.99	167
401430235	2012	12	12	18	V	4.3	0	3.73	165
401430235	2012	12	12	19	V	2.9	0	3.39	164
401430235	2012	12	12	20	V	2.4	1	3.88	172
401430235	2012	12	12	21	V	2.6	1	4.48	169
401430235	2012	12	12	22	V	2.7	1	3.71	177
401430235	2012	12	12	23	V	3.7	0	2.95	168
401430235	2012	12	12	24	V	3.2	0	3.25	165
401430235	2012	12	13	1	V	2.3	0	2.88	163
401430235	2012	12	13	2	V	2.4	0	2.95	164
401430235	2012	12	13	3	V	1.9	0	2.74	162
401430235	2012	12	13	4	V	1.9	0	2.93	164
401430235	2012	12	13	5	V	2.1	0	3.35	168
401430235	2012	12	13	6	V	2.0	0	3.44	164
401430235	2012	12	13	7	V	1.6	0	3.39	169
401430235	2012	12	13	8	V	2.4	0	3.44	171
401430235	2012	12	13	9	V	2.1	0	4	173
401430235	2012	12	13	10	V	3.1	1	6.38	187
401430235	2012	12	13	11	V	3.0	1	7.96	185
401430235	2012	12	13	12	V	5.6	1	8.2	190
401430235	2012	12	13	13	V	6.4	2	8.42	187
401430235	2012	12	13	14	V	3.1	1	7.82	190
401430235	2012	12	13	15	V	2.1	1	7.31	188
401430235	2012	12	13	16	V	3.3	1	6.52	183
401430235	2012	12	13	17	V	3.4	1	5.6	174
401430235	2012	12	13	18	V	4.3	1	3.61	174
401430235	2012	12	13	19	V	2.9	1	3.61	175
401430235	2012	12	13	20	V	2.4	0	3.24	164
401430235	2012	12	13	21	V	2.6	0	2.66	160
401430235	2012	12	13	22	V	2.7	0	2.64	169
401430235	2012	12	13	23	V	3.8	0	3.61	182
401430235	2012	12	13	24	V	3.3	0	1.62	161
401430235	2012	12	14	1	V	3.0	0	0.97	200
401430235	2012	12	14	2	V	3.5	0	0.72	210
401430235	2012	12	14	3	V	2.1	0	1.5	172
401430235	2012	12	14	4	V	2.1	0	1.45	178
401430235	2012	12	14	5	V	2.2	0	1.77	169
401430235	2012	12	14	6	V	2.0	1	2.25	170
401430235	2012	12	14	7	V	1.7	0	3	159
401430235	2012	12	14	8	V	2.4	1	3.47	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	14	9	V	2.1	1	3.32	161
401430235	2012	12	14	10	V	3.0	1	5.34	169
401430235	2012	12	14	11	V	2.9	1	4.63	168
401430235	2012	12	14	12	V	5.4	1	4.88	164
401430235	2012	12	14	13	V	6.2	1	5.07	166
401430235	2012	12	14	14	V	2.9	1	4.68	162
401430235	2012	12	14	15	V	1.9	1	5.41	162
401430235	2012	12	14	16	V	3.2	0	5.27	161
401430235	2012	12	14	17	V	3.4	0	4.73	146
401430235	2012	12	14	18	V	4.4	0	5.5	153
401430235	2012	12	14	19	V	2.9	0	5.31	149
401430235	2012	12	14	20	V	2.4	0	5.1	156
401430235	2012	12	14	21	V	2.7	0	5.7	159
401430235	2012	12	14	22	V	2.7	0	5.62	164
401430235	2012	12	14	23	V	3.8	0	3.44	199
401430235	2012	12	14	24	V	3.3	0	3.32	136
401430235	2012	12	15	1	V	2.4	0	2.61	148
401430235	2012	12	15	2	V	2.4	0	3.18	174
401430235	2012	12	15	3	V	2.0	0	5.6	191
401430235	2012	12	15	4	V	2.0	0	5.31	196
401430235	2012	12	15	5	V	2.2	0	5.16	196
401430235	2012	12	15	6	V	2.1	0	4.36	208
401430235	2012	12	15	7	V	1.7	0	4.27	208
401430235	2012	12	15	8	V	2.5	0	2.56	192
401430235	2012	12	15	9	V	2.2	0	3.29	183
401430235	2012	12	15	10	V	3.0	0	5.36	217
401430235	2012	12	15	11	V	2.9	0	5.24	221
401430235	2012	12	15	12	V	5.4	0	4.49	234
401430235	2012	12	15	13	V	6.2	0	4.99	234
401430235	2012	12	15	14	V	2.9	0	5.05	218
401430235	2012	12	15	15	V	1.9	0	4.82	214
401430235	2012	12	15	16	V	3.3	0	4.58	200
401430235	2012	12	15	17	V	3.4	0	3.52	204
401430235	2012	12	15	18	V	4.5	0	1.84	209
401430235	2012	12	15	19	V	3.5	0	1.42	192
401430235	2012	12	15	20	V	2.9	0	1.47	191
401430235	2012	12	15	21	V	3.2	0	1.18	198
401430235	2012	12	15	22	V	3.7	0	0.77	211
401430235	2012	12	15	23	C	-999	0	0	0
401430235	2012	12	15	24	V	4.5	0	0.7	214
401430235	2012	12	16	1	V	3.2	0	0.99	197
401430235	2012	12	16	2	C	-999	0	0	0
401430235	2012	12	16	3	C	-999	0	0	0
401430235	2012	12	16	4	C	-999	0	0	0
401430235	2012	12	16	5	V	3.2	0	0.72	360
401430235	2012	12	16	6	V	2.8	0	0.79	222

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	16	7	C	-999	0	0	0
401430235	2012	12	16	8	V	3.6	0	0.67	236
401430235	2012	12	16	9	V	2.5	0	0.87	245
401430235	2012	12	16	10	V	4.6	0	1.2	163
401430235	2012	12	16	11	V	3.0	0	3.25	231
401430235	2012	12	16	12	V	5.4	0	4.32	238
401430235	2012	12	16	13	V	6.2	0	4.58	255
401430235	2012	12	16	14	V	2.9	0	4.61	254
401430235	2012	12	16	15	V	1.9	0	4.49	279
401430235	2012	12	16	16	V	3.2	0	4.1	259
401430235	2012	12	16	17	V	3.4	0	2.5	268
401430235	2012	12	16	18	V	16.0	0	3.22	327
401430235	2012	12	16	19	V	3.2	0	1.37	348
401430235	2012	12	16	20	V	8.3	0	2.45	334
401430235	2012	12	16	21	V	18.4	0	1.72	329
401430235	2012	12	16	22	V	12.2	0	2.27	332
401430235	2012	12	16	23	V	3.8	0	2.37	345
401430235	2012	12	16	24	V	3.2	0	3.24	5
401430235	2012	12	17	1	V	2.3	0	2.88	4
401430235	2012	12	17	2	V	2.4	0	2.49	7
401430235	2012	12	17	3	V	1.9	0	2.33	3
401430235	2012	12	17	4	V	15.6	0	2.23	327
401430235	2012	12	17	5	V	12.2	0	2.27	331
401430235	2012	12	17	6	V	26.3	0	2.69	316
401430235	2012	12	17	7	V	14.4	0	2.13	328
401430235	2012	12	17	8	V	14.4	0	2.4	329
401430235	2012	12	17	9	V	23.2	0	2.32	323
401430235	2012	12	17	10	V	14.8	0	2.5	310
401430235	2012	12	17	11	V	3.2	0	2.2	277
401430235	2012	12	17	12	V	5.5	-999	2.67	260
401430235	2012	12	17	13	V	6.8	-999	2.83	285
401430235	2012	12	17	14	V	3.2	-999	2.69	280
401430235	2012	12	17	15	V	2.0	-999	2.3	262
401430235	2012	12	17	16	V	3.3	-999	1.94	246
401430235	2012	12	17	17	V	4.1	-999	1.74	216
401430235	2012	12	17	18	V	4.8	0	1.18	212
401430235	2012	12	17	19	V	4.5	0	0.63	204
401430235	2012	12	17	20	V	3.7	0	0.69	208
401430235	2012	12	17	21	V	3.6	0	0.82	203
401430235	2012	12	17	22	V	2.9	0	1.48	209
401430235	2012	12	17	23	V	4.0	0	1.82	195
401430235	2012	12	17	24	V	3.8	0	1.14	199
401430235	2012	12	18	1	V	3.0	0	1.14	186
401430235	2012	12	18	2	V	3.4	0	0.92	185
401430235	2012	12	18	3	V	2.7	0	0.91	178
401430235	2012	12	18	4	V	2.5	0	1.2	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	18	5	V	2.3	0	1.57	170
401430235	2012	12	18	6	V	2.2	0	1.45	164
401430235	2012	12	18	7	V	2.2	0	1.3	186
401430235	2012	12	18	8	V	3.9	0	0.63	223
401430235	2012	12	18	9	V	2.4	0	1.28	181
401430235	2012	12	18	10	V	3.9	0	1.54	194
401430235	2012	12	18	11	V	3.2	0	2.66	223
401430235	2012	12	18	12	V	6.2	0	1.86	260
401430235	2012	12	18	13	V	6.9	0	1.99	191
401430235	2012	12	18	14	V	8.2	0	1.35	295
401430235	2012	12	18	15	V	2.5	0	2.27	26
401430235	2012	12	18	16	V	3.5	0	1.67	20
401430235	2012	12	18	17	V	3.5	1	1.18	11
401430235	2012	12	18	18	V	4.6	1	1.13	4
401430235	2012	12	18	19	V	17.8	0	0.62	301
401430235	2012	12	18	20	C	-999	0	0	0
401430235	2012	12	18	21	V	4.0	0	0.62	15
401430235	2012	12	18	22	V	4.1	0	0.62	237
401430235	2012	12	18	23	C	-999	1	0	0
401430235	2012	12	18	24	V	10.0	0	0.82	340
401430235	2012	12	19	1	V	3.4	0	1.52	342
401430235	2012	12	19	2	V	32.4	0	0.74	320
401430235	2012	12	19	3	V	2.0	0	1.76	28
401430235	2012	12	19	4	V	1.9	0	2.04	25
401430235	2012	12	19	5	V	2.1	0	1.96	22
401430235	2012	12	19	6	V	3.0	0	0.75	52
401430235	2012	12	19	7	V	2.7	0	0.69	65
401430235	2012	12	19	8	V	3.4	0	0.72	262
401430235	2012	12	19	9	V	2.2	0	2.47	156
401430235	2012	12	19	10	V	3.0	0	3.42	161
401430235	2012	12	19	11	V	2.9	0	3.98	168
401430235	2012	12	19	12	V	5.4	0	4.46	163
401430235	2012	12	19	13	V	6.2	0	4.19	162
401430235	2012	12	19	14	V	2.9	0	4.7	165
401430235	2012	12	19	15	V	1.9	0	3.59	163
401430235	2012	12	19	16	V	3.2	0	4.12	172
401430235	2012	12	19	17	V	3.4	0	5.11	180
401430235	2012	12	19	18	V	4.4	0	4.48	196
401430235	2012	12	19	19	V	3.0	0	4.24	188
401430235	2012	12	19	20	V	2.5	0	4.75	187
401430235	2012	12	19	21	V	2.8	0	5.55	208
401430235	2012	12	19	22	V	2.7	0	6.16	254
401430235	2012	12	19	23	V	3.8	0	4.54	259
401430235	2012	12	19	24	V	3.3	0	6.52	249
401430235	2012	12	20	1	V	2.4	0	6.16	268
401430235	2012	12	20	2	V	2.6	0	7.15	287

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	20	3	V	2.3	0	7.06	290
401430235	2012	12	20	4	V	7.9	0	7.54	300
401430235	2012	12	20	5	V	5.5	0	8.03	298
401430235	2012	12	20	6	V	15.8	0	7.52	306
401430235	2012	12	20	7	V	23.9	0	6.84	317
401430235	2012	12	20	8	V	10.7	0	6.26	303
401430235	2012	12	20	9	V	11.3	0	6.24	303
401430235	2012	12	20	10	V	5.7	0	6.75	303
401430235	2012	12	20	11	V	7.1	0	6.89	307
401430235	2012	12	20	12	V	10.4	0	5.89	309
401430235	2012	12	20	13	V	11.3	0	6.28	310
401430235	2012	12	20	14	V	8.9	0	6.24	318
401430235	2012	12	20	15	V	8.1	0	6.04	313
401430235	2012	12	20	16	V	10.5	0	5.92	319
401430235	2012	12	20	17	V	18.6	0	4.66	310
401430235	2012	12	20	18	V	24.6	0	3.29	311
401430235	2012	12	20	19	V	3.9	0	2.03	299
401430235	2012	12	20	20	V	2.9	0	0.97	281
401430235	2012	12	20	21	C	-999	0	0	0
401430235	2012	12	20	22	V	3.6	0	0.74	273
401430235	2012	12	20	23	C	-999	0	0	0
401430235	2012	12	20	24	V	4.9	0	0.62	211
401430235	2012	12	21	1	V	4.4	0	0.58	194
401430235	2012	12	21	2	C	-999	0	0	0
401430235	2012	12	21	3	V	3.7	0	0.65	189
401430235	2012	12	21	4	V	3.7	0	0.58	166
401430235	2012	12	21	5	C	-999	0	0	0
401430235	2012	12	21	6	V	3.2	0	0.67	254
401430235	2012	12	21	7	V	3.7	1	0.52	265
401430235	2012	12	21	8	V	4.0	1	0.7	196
401430235	2012	12	21	9	V	2.8	1	0.94	199
401430235	2012	12	21	10	V	4.1	1	1.26	177
401430235	2012	12	21	11	V	3.3	1	2.62	182
401430235	2012	12	21	12	V	5.8	0	2.44	164
401430235	2012	12	21	13	V	6.4	0	2.76	149
401430235	2012	12	21	14	V	3.0	0	2.71	157
401430235	2012	12	21	15	V	2.0	0	2.96	161
401430235	2012	12	21	16	V	3.2	0	2.83	121
401430235	2012	12	21	17	V	3.4	0	2.21	160
401430235	2012	12	21	18	V	4.6	0	1.28	55
401430235	2012	12	21	19	V	4.5	0	0.57	69
401430235	2012	12	21	20	C	-999	0	0	0
401430235	2012	12	21	21	C	-999	0	0	0
401430235	2012	12	21	22	C	-999	1	0	0
401430235	2012	12	21	23	V	14.5	1	0.62	298
401430235	2012	12	21	24	V	5.1	0	0.53	272

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	22	1	V	3.4	0	0.84	183
401430235	2012	12	22	2	V	3.3	0	0.97	193
401430235	2012	12	22	3	V	2.2	0	1.28	172
401430235	2012	12	22	4	C	-999	0	0	0
401430235	2012	12	22	5	V	3.1	0	0.87	184
401430235	2012	12	22	6	V	2.4	0	1.31	180
401430235	2012	12	22	7	V	2.3	0	0.91	213
401430235	2012	12	22	8	C	-999	0	0	0
401430235	2012	12	22	9	V	2.2	0	1.45	165
401430235	2012	12	22	10	V	3.2	0	3.66	182
401430235	2012	12	22	11	V	3.1	0	4.65	190
401430235	2012	12	22	12	V	5.5	0	5.16	187
401430235	2012	12	22	13	V	6.4	0	6.02	186
401430235	2012	12	22	14	V	3.0	0	5.87	183
401430235	2012	12	22	15	V	2.1	0	6.01	190
401430235	2012	12	22	16	V	3.2	0	5.5	205
401430235	2012	12	22	17	V	3.4	0	4.82	202
401430235	2012	12	22	18	V	4.4	0	2.28	181
401430235	2012	12	22	19	V	3.0	0	1.72	168
401430235	2012	12	22	20	V	2.4	0	2.5	180
401430235	2012	12	22	21	V	3.3	0	1.06	199
401430235	2012	12	22	22	V	3.8	0	0.72	214
401430235	2012	12	22	23	V	4.3	0	1.2	198
401430235	2012	12	22	24	V	3.5	0	1.18	230
401430235	2012	12	23	1	V	3.5	0	0.69	270
401430235	2012	12	23	2	V	17.1	0	0.65	301
401430235	2012	12	23	3	V	2.6	0	0.82	226
401430235	2012	12	23	4	V	2.5	0	1.26	191
401430235	2012	12	23	5	V	2.9	0	0.79	221
401430235	2012	12	23	6	V	2.6	0	0.92	354
401430235	2012	12	23	7	C	-999	0	0	0
401430235	2012	12	23	8	V	3.9	0	0.63	208
401430235	2012	12	23	9	C	-999	0	0	0
401430235	2012	12	23	10	V	6.4	0	0.82	159
401430235	2012	12	23	11	V	3.2	0	2.04	246
401430235	2012	12	23	12	V	5.7	0	1.96	259
401430235	2012	12	23	13	V	6.9	0	1.62	204
401430235	2012	12	23	14	V	3.5	0	1.5	152
401430235	2012	12	23	15	V	2.2	0	2.57	24
401430235	2012	12	23	16	V	3.6	0	2.38	352
401430235	2012	12	23	17	V	3.4	0	2.54	351
401430235	2012	12	23	18	V	4.4	0	2.01	345
401430235	2012	12	23	19	V	2.9	0	2.76	360
401430235	2012	12	23	20	V	2.4	0	4.17	5
401430235	2012	12	23	21	V	2.7	0	3.9	349
401430235	2012	12	23	22	V	2.7	0	3.32	355

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	23	23	V	3.8	0	1.65	349
401430235	2012	12	23	24	V	3.4	0	2.62	342
401430235	2012	12	24	1	V	10.7	0	3.03	330
401430235	2012	12	24	2	V	2.4	0	2.3	355
401430235	2012	12	24	3	V	14.1	0	2.56	322
401430235	2012	12	24	4	V	1.9	0	2.98	353
401430235	2012	12	24	5	V	24.2	0	2.42	317
401430235	2012	12	24	6	V	27.4	0	2.27	316
401430235	2012	12	24	7	V	1.7	0	3.08	345
401430235	2012	12	24	8	V	2.4	0	2.74	351
401430235	2012	12	24	9	V	2.0	0	3.88	11
401430235	2012	12	24	10	V	3.0	0	4.1	17
401430235	2012	12	24	11	V	2.9	0	3.44	10
401430235	2012	12	24	12	V	5.5	0	2.93	9
401430235	2012	12	24	13	V	9.7	1	3.52	36
401430235	2012	12	24	14	V	2.9	1	3.91	11
401430235	2012	12	24	15	V	1.9	0	4.37	6
401430235	2012	12	24	16	V	3.2	0	4.32	21
401430235	2012	12	24	17	V	3.4	0	3.61	28
401430235	2012	12	24	18	V	4.7	0	4.76	34
401430235	2012	12	24	19	V	3.0	0	5.07	31
401430235	2012	12	24	20	V	3.8	0	6.23	36
401430235	2012	12	24	21	V	3.2	0	6.31	34
401430235	2012	12	24	22	V	2.7	0	6.26	30
401430235	2012	12	24	23	V	3.7	0	4.97	27
401430235	2012	12	24	24	V	3.2	0	5.89	30
401430235	2012	12	25	1	V	2.3	0	6.12	27
401430235	2012	12	25	2	V	2.4	0	6.82	28
401430235	2012	12	25	3	V	1.9	0	6.02	28
401430235	2012	12	25	4	V	2.0	0	6.38	29
401430235	2012	12	25	5	V	2.3	0	7.16	31
401430235	2012	12	25	6	V	2.1	0	7.26	30
401430235	2012	12	25	7	V	3.2	0	8.35	37
401430235	2012	12	25	8	V	2.6	0	8.5	31
401430235	2012	12	25	9	V	2.3	0	8.66	31
401430235	2012	12	25	10	V	2.9	0	9.03	25
401430235	2012	12	25	11	V	2.8	0	9.03	24
401430235	2012	12	25	12	V	5.3	0	7.99	20
401430235	2012	12	25	13	V	6.2	0	8.42	16
401430235	2012	12	25	14	V	2.8	0	9.22	20
401430235	2012	12	25	15	V	1.8	0	8.5	15
401430235	2012	12	25	16	V	3.1	0	7.98	12
401430235	2012	12	25	17	V	3.4	0	7.69	10
401430235	2012	12	25	18	V	4.4	0	6.24	2
401430235	2012	12	25	19	V	3.0	-999	6.7	2
401430235	2012	12	25	20	V	2.4	0	7.13	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	25	21	V	2.7	0	6.65	6
401430235	2012	12	25	22	V	2.7	0	5.8	360
401430235	2012	12	25	23	V	3.7	0	5.62	355
401430235	2012	12	25	24	V	3.7	0	3.75	344
401430235	2012	12	26	1	V	3.3	0	4	342
401430235	2012	12	26	2	V	6.7	0	3.25	335
401430235	2012	12	26	3	V	5.1	0	3.1	336
401430235	2012	12	26	4	V	5.8	0	3.07	335
401430235	2012	12	26	5	V	4.6	0	3.2	340
401430235	2012	12	26	6	V	2.3	0	3.81	345
401430235	2012	12	26	7	V	3.1	0	3.18	339
401430235	2012	12	26	8	V	2.5	0	2.95	342
401430235	2012	12	26	9	V	4.9	0	3.35	340
401430235	2012	12	26	10	V	7.5	0	3.3	333
401430235	2012	12	26	11	V	11.8	0	2.78	325
401430235	2012	12	26	12	V	15.9	0	2.5	311
401430235	2012	12	26	13	V	11.3	0	2.03	336
401430235	2012	12	26	14	V	3.3	0	2.49	356
401430235	2012	12	26	15	V	2.7	0	2.47	28
401430235	2012	12	26	16	V	4.2	0	1.89	288
401430235	2012	12	26	17	V	3.6	0	1.08	357
401430235	2012	12	26	18	V	4.8	0	1.14	30
401430235	2012	12	26	19	V	4.2	0	0.67	3
401430235	2012	12	26	20	V	4.0	0	0.63	280
401430235	2012	12	26	21	C	-999	0	0	0
401430235	2012	12	26	22	C	-999	0	0	0
401430235	2012	12	26	23	C	-999	0	0	0
401430235	2012	12	26	24	V	4.5	0	0.8	48
401430235	2012	12	27	1	V	3.8	0	0.63	243
401430235	2012	12	27	2	V	3.8	0	0.69	355
401430235	2012	12	27	3	V	2.3	0	0.97	89
401430235	2012	12	27	4	V	2.0	0	1.64	105
401430235	2012	12	27	5	V	2.1	0	2.01	97
401430235	2012	12	27	6	V	2.2	0	1.4	126
401430235	2012	12	27	7	V	2.0	0	1.16	210
401430235	2012	12	27	8	V	2.4	0	2.39	163
401430235	2012	12	27	9	V	2.1	0	3.12	164
401430235	2012	12	27	10	V	3.1	0	3.23	164
401430235	2012	12	27	11	V	2.9	0	6.24	168
401430235	2012	12	27	12	V	5.4	0	6.98	173
401430235	2012	12	27	13	V	6.3	0	6.09	174
401430235	2012	12	27	14	V	2.9	0	6.01	170
401430235	2012	12	27	15	V	1.9	0	5.56	166
401430235	2012	12	27	16	V	3.2	0	5.43	170
401430235	2012	12	27	17	V	3.4	0	5	171
401430235	2012	12	27	18	V	4.3	0	3.37	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	27	19	V	2.9	0	2.79	176
401430235	2012	12	27	20	V	2.6	0	1.96	186
401430235	2012	12	27	21	V	3.0	0	1.13	222
401430235	2012	12	27	22	V	2.8	0	1.31	236
401430235	2012	12	27	23	V	4.0	0	2.95	222
401430235	2012	12	27	24	V	3.9	0	1.71	218
401430235	2012	12	28	1	V	2.7	0	0.92	241
401430235	2012	12	28	2	V	30.7	0	0.52	318
401430235	2012	12	28	3	V	3.7	0	0.55	9
401430235	2012	12	28	4	V	2.8	0	0.84	352
401430235	2012	12	28	5	V	4.8	0	0.99	38
401430235	2012	12	28	6	V	2.9	0	0.89	351
401430235	2012	12	28	7	V	11.2	0	1.13	336
401430235	2012	12	28	8	V	2.6	0	1.42	348
401430235	2012	12	28	9	V	2.3	0	1.09	356
401430235	2012	12	28	10	V	10.5	0	2.11	327
401430235	2012	12	28	11	V	4.2	0	2.66	342
401430235	2012	12	28	12	V	11.7	0	3.13	328
401430235	2012	12	28	13	V	15.8	0	2.32	322
401430235	2012	12	28	14	V	13.0	0	2.89	314
401430235	2012	12	28	15	V	11.6	0	2.96	320
401430235	2012	12	28	16	V	13.4	0	2.57	317
401430235	2012	12	28	17	V	17.9	0	2.73	327
401430235	2012	12	28	18	V	16.5	0	2.25	327
401430235	2012	12	28	19	V	29.6	0	2.45	314
401430235	2012	12	28	20	V	30.7	0	2.27	313
401430235	2012	12	28	21	V	22.8	0	3.05	317
401430235	2012	12	28	22	V	11.9	0	2.91	329
401430235	2012	12	28	23	V	17.6	0	2.1	324
401430235	2012	12	28	24	V	21.4	0	1.67	324
401430235	2012	12	29	1	V	26.0	0	1.79	319
401430235	2012	12	29	2	V	14.6	0	2.16	329
401430235	2012	12	29	3	V	24.7	0	1.86	309
401430235	2012	12	29	4	V	32.3	0	2.01	314
401430235	2012	12	29	5	V	25.0	0	2.84	314
401430235	2012	12	29	6	V	23.0	0	2.54	317
401430235	2012	12	29	7	V	1.9	0	1.94	290
401430235	2012	12	29	8	V	2.5	0	1.6	260
401430235	2012	12	29	9	V	2.4	0	1.54	289
401430235	2012	12	29	10	V	6.4	0	2.91	337
401430235	2012	12	29	11	V	12.7	0	2.2	330
401430235	2012	12	29	12	V	11.4	1	2.13	301
401430235	2012	12	29	13	V	6.4	1	2.71	273
401430235	2012	12	29	14	V	3.3	0	3.4	287
401430235	2012	12	29	15	V	2.0	0	2.67	276
401430235	2012	12	29	16	V	3.3	1	2.2	271

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	29	17	V	3.8	3	1.23	287
401430235	2012	12	29	18	V	5.0	1	0.92	204
401430235	2012	12	29	19	V	3.6	0	0.94	205
401430235	2012	12	29	20	C	-999	0	0	0
401430235	2012	12	29	21	V	4.1	0	0.63	237
401430235	2012	12	29	22	C	-999	0	0	0
401430235	2012	12	29	23	V	5.3	0	0.6	269
401430235	2012	12	29	24	C	-999	0	0	0
401430235	2012	12	30	1	C	-999	0	0	0
401430235	2012	12	30	2	V	3.5	0	0.69	246
401430235	2012	12	30	3	C	-999	0	0	0
401430235	2012	12	30	4	V	3.4	0	0.62	236
401430235	2012	12	30	5	C	-999	0	0	0
401430235	2012	12	30	6	C	-999	0	0	0
401430235	2012	12	30	7	V	2.5	0	0.84	175
401430235	2012	12	30	8	V	4.3	0	0.53	264
401430235	2012	12	30	9	C	-999	0	0	0
401430235	2012	12	30	10	V	3.8	0	1.37	160
401430235	2012	12	30	11	V	3.4	0	2.06	171
401430235	2012	12	30	12	V	5.6	0	5.8	188
401430235	2012	12	30	13	V	6.4	0	6.96	192
401430235	2012	12	30	14	V	3.1	0	6.16	189
401430235	2012	12	30	15	V	2.1	0	6.53	189
401430235	2012	12	30	16	V	3.3	0	5.53	180
401430235	2012	12	30	17	V	3.4	0	4.78	178
401430235	2012	12	30	18	V	4.3	0	3.54	165
401430235	2012	12	30	19	V	2.9	0	3.83	170
401430235	2012	12	30	20	V	2.4	0	4.1	168
401430235	2012	12	30	21	V	2.6	0	4.58	173
401430235	2012	12	30	22	V	2.7	0	4.87	171
401430235	2012	12	30	23	V	3.7	0	5.07	171
401430235	2012	12	30	24	V	3.3	0	4.39	179
401430235	2012	12	31	1	V	2.4	0	4.15	187
401430235	2012	12	31	2	V	2.5	0	3.91	186
401430235	2012	12	31	3	V	2.0	0	3.42	185
401430235	2012	12	31	4	V	1.9	0	3.13	176
401430235	2012	12	31	5	V	2.2	0	2.71	179
401430235	2012	12	31	6	V	2.0	0	2.45	177
401430235	2012	12	31	7	V	1.7	0	2.98	170
401430235	2012	12	31	8	V	2.4	0	3.08	160
401430235	2012	12	31	9	V	2.0	0	2.4	152
401430235	2012	12	31	10	V	3.0	0	3.32	138
401430235	2012	12	31	11	V	3.0	0	2.44	150
401430235	2012	12	31	12	V	5.4	0	3.76	161
401430235	2012	12	31	13	V	6.3	0	2.91	164
401430235	2012	12	31	14	V	3.0	0	2.5	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2012	12	31	15	V	1.9	0	2.78	162
401430235	2012	12	31	16	V	3.2	0	2.98	168
401430235	2012	12	31	17	V	3.4	0	2.64	171
401430235	2012	12	31	18	V	4.4	0	1.52	174
401430235	2012	12	31	19	C	-999	0	0	0
401430235	2012	12	31	20	C	-999	0	0	0
401430235	2012	12	31	21	C	-999	0	0	0
401430235	2012	12	31	22	C	-999	0	0	0
401430235	2012	12	31	23	C	-999	0	0	0
401430235	2012	12	31	24	C	-999	0	0	0
401430235	2013	1	1	1	V	2.3	0	2.81	356
401430235	2013	1	1	2	V	2.4	0	2.71	9
401430235	2013	1	1	3	V	1.9	0	3.42	5
401430235	2013	1	1	4	V	1.9	0	2.91	357
401430235	2013	1	1	5	V	2.1	0	2.96	360
401430235	2013	1	1	6	V	2.0	0	2.86	12
401430235	2013	1	1	7	V	1.6	0	2.74	355
401430235	2013	1	1	8	V	2.4	0	3.8	360
401430235	2013	1	1	9	V	2.0	0	3.42	2
401430235	2013	1	1	10	V	2.9	0	3.52	359
401430235	2013	1	1	11	V	2.8	0	3.56	3
401430235	2013	1	1	12	V	5.3	0	3.15	358
401430235	2013	1	1	13	V	8.4	0	3.12	335
401430235	2013	1	1	14	V	2.8	0	3.23	353
401430235	2013	1	1	15	V	1.8	0	3.29	354
401430235	2013	1	1	16	V	3.1	0	2.96	353
401430235	2013	1	1	17	V	3.4	0	2.81	356
401430235	2013	1	1	18	V	4.3	0	2.1	6
401430235	2013	1	1	19	V	2.9	0	2.27	353
401430235	2013	1	1	20	V	2.4	0	2.78	355
401430235	2013	1	1	21	V	2.6	0	2.06	356
401430235	2013	1	1	22	V	2.7	0	1.82	7
401430235	2013	1	1	23	V	3.7	0	2.01	358
401430235	2013	1	1	24	V	3.4	0	1.45	346
401430235	2013	1	2	1	V	14.9	0	0.97	310
401430235	2013	1	2	2	V	2.6	0	0.96	274
401430235	2013	1	2	3	V	9.6	0	0.63	301
401430235	2013	1	2	4	V	17.0	0	0.79	315
401430235	2013	1	2	5	V	3.0	0	0.67	197
401430235	2013	1	2	6	V	2.8	0	0.67	222
401430235	2013	1	2	7	V	2.0	0	0.77	231
401430235	2013	1	2	8	V	2.6	0	0.91	247
401430235	2013	1	2	9	V	2.4	0	1.06	217
401430235	2013	1	2	10	V	3.1	0	1.6	227
401430235	2013	1	2	11	V	2.9	0	2.59	229
401430235	2013	1	2	12	V	5.4	0	3.07	248

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	2	13	V	6.3	0	3.27	224
401430235	2013	1	2	14	V	3.0	0	3.71	219
401430235	2013	1	2	15	V	1.9	0	3.29	234
401430235	2013	1	2	16	V	3.2	0	3.05	207
401430235	2013	1	2	17	V	3.4	0	1.98	201
401430235	2013	1	2	18	V	4.9	0	0.72	195
401430235	2013	1	2	19	V	5.2	0	0.53	288
401430235	2013	1	2	20	V	3.4	0	0.53	256
401430235	2013	1	2	21	V	9.5	0	0.92	303
401430235	2013	1	2	22	V	10.5	0	1.76	307
401430235	2013	1	2	23	V	7.5	1	2.44	334
401430235	2013	1	2	24	V	3.3	0	1.48	360
401430235	2013	1	3	1	V	2.4	0	1.43	202
401430235	2013	1	3	2	V	2.7	0	0.84	261
401430235	2013	1	3	3	V	2.0	0	1.16	274
401430235	2013	1	3	4	V	2.6	0	0.65	248
401430235	2013	1	3	5	V	2.4	0	0.82	231
401430235	2013	1	3	6	C	-999	0	0	0
401430235	2013	1	3	7	V	2.1	0	1.26	218
401430235	2013	1	3	8	C	-999	1	0	0
401430235	2013	1	3	9	V	3.2	0	0.52	202
401430235	2013	1	3	10	V	11.5	0	1.21	317
401430235	2013	1	3	11	V	10.0	0	1.45	308
401430235	2013	1	3	12	V	5.6	1	2.06	12
401430235	2013	1	3	13	V	6.3	0	2.54	20
401430235	2013	1	3	14	V	3.3	0	2.1	57
401430235	2013	1	3	15	V	2.4	0	1.69	284
401430235	2013	1	3	16	V	4.9	0	2.5	300
401430235	2013	1	3	17	V	3.6	0	2.13	285
401430235	2013	1	3	18	V	10.6	0	1.76	306
401430235	2013	1	3	19	V	11.8	0	1.86	308
401430235	2013	1	3	20	V	8.7	0	1.76	306
401430235	2013	1	3	21	V	18.9	0	1.33	316
401430235	2013	1	3	22	V	3.1	0	0.77	268
401430235	2013	1	3	23	V	4.2	0	0.79	272
401430235	2013	1	3	24	V	3.9	0	0.72	277
401430235	2013	1	4	1	V	2.7	0	0.82	248
401430235	2013	1	4	2	V	3.0	0	0.69	240
401430235	2013	1	4	3	C	-999	0	0	0
401430235	2013	1	4	4	V	2.3	0	0.77	230
401430235	2013	1	4	5	V	2.8	0	0.74	206
401430235	2013	1	4	6	V	2.8	0	0.77	186
401430235	2013	1	4	7	V	2.0	1	0.92	204
401430235	2013	1	4	8	C	-999	1	0	0
401430235	2013	1	4	9	V	2.3	0	0.86	228
401430235	2013	1	4	10	V	3.4	0	1.42	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	4	11	V	3.0	0	3.57	186
401430235	2013	1	4	12	V	5.5	0	3.25	195
401430235	2013	1	4	13	V	6.3	0	3.52	201
401430235	2013	1	4	14	V	2.8	0	4.46	227
401430235	2013	1	4	15	V	1.9	0	4.61	224
401430235	2013	1	4	16	V	3.2	0	4.32	222
401430235	2013	1	4	17	V	3.8	0	3.52	218
401430235	2013	1	4	18	V	4.4	0	1.76	208
401430235	2013	1	4	19	V	3.1	0	1.18	204
401430235	2013	1	4	20	V	2.5	0	1.5	205
401430235	2013	1	4	21	V	2.7	0	1.4	204
401430235	2013	1	4	22	V	3.2	0	0.82	202
401430235	2013	1	4	23	V	4.3	0	0.89	191
401430235	2013	1	4	24	V	3.3	0	2.11	195
401430235	2013	1	5	1	V	2.3	0	1.98	204
401430235	2013	1	5	2	V	2.4	0	2.04	197
401430235	2013	1	5	3	V	1.9	0	2.32	195
401430235	2013	1	5	4	V	1.9	0	2.35	178
401430235	2013	1	5	5	V	2.1	0	2.59	189
401430235	2013	1	5	6	V	2.2	0	1.52	186
401430235	2013	1	5	7	V	1.7	0	2.16	171
401430235	2013	1	5	8	V	2.4	0	2.71	174
401430235	2013	1	5	9	V	2.1	0	1.72	183
401430235	2013	1	5	10	V	3.1	0	4.34	193
401430235	2013	1	5	11	V	2.9	0	5.28	203
401430235	2013	1	5	12	V	5.4	0	5.26	219
401430235	2013	1	5	13	V	6.2	0	5.17	223
401430235	2013	1	5	14	V	3.0	0	4.58	216
401430235	2013	1	5	15	V	1.9	0	3.66	238
401430235	2013	1	5	16	V	3.2	0	3.61	228
401430235	2013	1	5	17	V	3.4	0	2.71	239
401430235	2013	1	5	18	V	4.5	0	0.82	252
401430235	2013	1	5	19	V	7.8	0	0.69	297
401430235	2013	1	5	20	V	3.2	0	0.62	229
401430235	2013	1	5	21	V	3.2	0	0.72	269
401430235	2013	1	5	22	V	3.7	1	0.62	219
401430235	2013	1	5	23	V	4.5	0	0.63	253
401430235	2013	1	5	24	V	3.7	0	0.77	245
401430235	2013	1	6	1	V	3.0	0	0.67	232
401430235	2013	1	6	2	V	2.9	0	0.74	226
401430235	2013	1	6	3	V	2.2	0	1.04	208
401430235	2013	1	6	4	V	2.1	0	1.18	224
401430235	2013	1	6	5	V	2.6	0	1.35	214
401430235	2013	1	6	6	V	2.1	0	1.6	203
401430235	2013	1	6	7	V	1.9	0	0.86	250
401430235	2013	1	6	8	V	2.5	0	1.25	240

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	6	9	V	9.6	0	1.43	306
401430235	2013	1	6	10	V	3.2	0	2.96	349
401430235	2013	1	6	11	V	3.3	0	3.13	347
401430235	2013	1	6	12	V	6.3	0	2.76	345
401430235	2013	1	6	13	V	6.2	0	3.18	8
401430235	2013	1	6	14	V	2.9	2	2.69	17
401430235	2013	1	6	15	V	2.6	0	3	30
401430235	2013	1	6	16	V	4.7	0	2.79	33
401430235	2013	1	6	17	V	4.7	0	1.62	47
401430235	2013	1	6	18	V	4.6	0	0.91	101
401430235	2013	1	6	19	C	-999	0	0	0
401430235	2013	1	6	20	C	-999	0	0	0
401430235	2013	1	6	21	V	9.4	0	0.53	299
401430235	2013	1	6	22	V	3.2	0	0.91	283
401430235	2013	1	6	23	V	4.4	0	0.74	281
401430235	2013	1	6	24	V	3.6	0	0.82	262
401430235	2013	1	7	1	V	3.2	0	0.75	190
401430235	2013	1	7	2	V	3.5	0	0.52	266
401430235	2013	1	7	3	C	-999	1	0	0
401430235	2013	1	7	4	V	2.8	1	0.58	249
401430235	2013	1	7	5	C	-999	1	0	0
401430235	2013	1	7	6	V	2.7	1	0.74	212
401430235	2013	1	7	7	V	2.4	0	0.72	219
401430235	2013	1	7	8	V	2.9	0	0.84	220
401430235	2013	1	7	9	V	2.8	0	0.69	202
401430235	2013	1	7	10	V	3.5	0	1.2	165
401430235	2013	1	7	11	V	3.0	0	3.2	171
401430235	2013	1	7	12	V	5.5	0	6.36	190
401430235	2013	1	7	13	V	6.3	0	5.04	191
401430235	2013	1	7	14	V	3.0	0	5.87	187
401430235	2013	1	7	15	V	2.0	0	5.29	184
401430235	2013	1	7	16	V	3.3	0	4.95	186
401430235	2013	1	7	17	V	3.4	0	3.29	178
401430235	2013	1	7	18	V	4.4	0	2.06	182
401430235	2013	1	7	19	V	3.0	0	1.67	198
401430235	2013	1	7	20	V	2.4	0	1.98	201
401430235	2013	1	7	21	V	2.7	0	1.69	208
401430235	2013	1	7	22	V	2.8	0	1.79	209
401430235	2013	1	7	23	V	4.0	0	1.23	199
401430235	2013	1	7	24	V	4.0	0	0.7	200
401430235	2013	1	8	1	V	4.3	0	0.74	290
401430235	2013	1	8	2	V	2.7	0	1.11	157
401430235	2013	1	8	3	V	2.3	0	0.96	197
401430235	2013	1	8	4	V	2.4	0	1.03	171
401430235	2013	1	8	5	V	2.4	0	1.28	174
401430235	2013	1	8	6	V	2.2	0	1.35	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	8	7	C	-999	0	0	0
401430235	2013	1	8	8	V	2.7	0	0.87	226
401430235	2013	1	8	9	V	2.1	0	1.47	207
401430235	2013	1	8	10	V	3.3	-999	1.85	188
401430235	2013	1	8	11	V	3.0	-999	3.91	168
401430235	2013	1	8	12	V	5.5	0	4.15	176
401430235	2013	1	8	13	V	6.3	0	4.83	181
401430235	2013	1	8	14	V	2.9	0	4.97	180
401430235	2013	1	8	15	V	2.0	0	5.58	187
401430235	2013	1	8	16	V	3.3	0	5.19	189
401430235	2013	1	8	17	V	3.4	0	1.98	239
401430235	2013	1	8	18	V	4.6	0	1.25	191
401430235	2013	1	8	19	V	3.2	0	0.92	118
401430235	2013	1	8	20	V	2.6	0	1.31	181
401430235	2013	1	8	21	V	2.6	0	1.99	144
401430235	2013	1	8	22	V	4.1	0	0.75	40
401430235	2013	1	8	23	V	4.1	0	1.3	171
401430235	2013	1	8	24	V	3.3	0	1.47	135
401430235	2013	1	9	1	V	3.6	0	1.59	47
401430235	2013	1	9	2	V	4.0	0	2.06	46
401430235	2013	1	9	3	V	1.9	0	3.22	14
401430235	2013	1	9	4	V	1.9	0	2.37	14
401430235	2013	1	9	5	V	2.1	0	2.06	18
401430235	2013	1	9	6	V	2.0	0	2.08	8
401430235	2013	1	9	7	V	1.7	0	1.55	27
401430235	2013	1	9	8	V	2.4	0	1.72	9
401430235	2013	1	9	9	V	2.0	0	2.3	15
401430235	2013	1	9	10	V	3.0	0	3.13	19
401430235	2013	1	9	11	V	2.9	0	3.07	15
401430235	2013	1	9	12	V	5.4	0	3.61	13
401430235	2013	1	9	13	V	6.2	0	4.1	21
401430235	2013	1	9	14	V	2.9	0	4.14	25
401430235	2013	1	9	15	V	3.0	0	4.66	34
401430235	2013	1	9	16	V	3.2	0	4.92	29
401430235	2013	1	9	17	V	7.4	0	3.64	40
401430235	2013	1	9	18	V	7.1	0	4.27	38
401430235	2013	1	9	19	V	6.4	0	5	40
401430235	2013	1	9	20	V	3.3	0	4.83	47
401430235	2013	1	9	21	V	3.0	0	4.22	48
401430235	2013	1	9	22	V	5.6	0	4.41	43
401430235	2013	1	9	23	V	4.2	0	3.73	48
401430235	2013	1	9	24	V	3.2	0	3.27	51
401430235	2013	1	10	1	V	3.5	0	3.3	46
401430235	2013	1	10	2	V	2.4	0	3.47	62
401430235	2013	1	10	3	V	1.9	0	3.66	70
401430235	2013	1	10	4	V	1.9	0	3	67

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	10	5	V	2.1	0	3.17	53
401430235	2013	1	10	6	V	2.0	0	2.33	53
401430235	2013	1	10	7	V	1.6	0	2.13	58
401430235	2013	1	10	8	V	9.7	0	2.13	42
401430235	2013	1	10	9	V	5.1	0	1.96	45
401430235	2013	1	10	10	V	3.0	0	2.27	67
401430235	2013	1	10	11	V	3.0	0	2.15	95
401430235	2013	1	10	12	V	5.4	0	2.13	138
401430235	2013	1	10	13	V	6.3	0	3.54	166
401430235	2013	1	10	14	V	2.9	0	3.08	161
401430235	2013	1	10	15	V	1.9	0	2.4	144
401430235	2013	1	10	16	V	3.2	0	2.64	154
401430235	2013	1	10	17	V	3.4	0	3.61	167
401430235	2013	1	10	18	V	4.3	0	4.31	183
401430235	2013	1	10	19	V	3.2	0	3.71	212
401430235	2013	1	10	20	V	2.4	0	2.93	191
401430235	2013	1	10	21	V	2.7	0	3.25	188
401430235	2013	1	10	22	V	2.7	0	3.05	192
401430235	2013	1	10	23	V	3.7	0	4.02	194
401430235	2013	1	10	24	V	3.3	0	3.69	207
401430235	2013	1	11	1	V	2.4	0	3.64	190
401430235	2013	1	11	2	V	2.4	0	2.79	177
401430235	2013	1	11	3	V	1.9	0	2.86	191
401430235	2013	1	11	4	V	1.9	0	2.54	168
401430235	2013	1	11	5	V	2.1	0	3.46	182
401430235	2013	1	11	6	V	2.0	0	3.69	179
401430235	2013	1	11	7	V	1.6	0	3.32	164
401430235	2013	1	11	8	V	2.4	0	2.13	141
401430235	2013	1	11	9	V	2.0	0	3.64	169
401430235	2013	1	11	10	V	3.1	0	5.89	190
401430235	2013	1	11	11	V	2.9	0	7.16	195
401430235	2013	1	11	12	V	5.5	0	6.3	191
401430235	2013	1	11	13	V	6.3	0	6.74	190
401430235	2013	1	11	14	V	2.9	0	7.69	184
401430235	2013	1	11	15	V	2.0	0	6.91	188
401430235	2013	1	11	16	V	3.3	0	8.39	189
401430235	2013	1	11	17	V	3.4	0	6.53	189
401430235	2013	1	11	18	V	4.3	0	5.55	186
401430235	2013	1	11	19	V	2.9	0	4.24	182
401430235	2013	1	11	20	V	2.4	0	5.65	180
401430235	2013	1	11	21	V	2.6	0	4.65	183
401430235	2013	1	11	22	V	2.7	0	5.27	186
401430235	2013	1	11	23	V	3.7	0	3.74	191
401430235	2013	1	11	24	V	3.3	0	2.37	188
401430235	2013	1	12	1	V	2.3	0	1.76	264
401430235	2013	1	12	2	V	3.7	2	2.44	300

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	12	3	V	12.3	2	2.44	321
401430235	2013	1	12	4	V	2.7	4	3.13	340
401430235	2013	1	12	5	V	2.1	0	3.49	349
401430235	2013	1	12	6	V	2.0	0	5.19	8
401430235	2013	1	12	7	V	1.6	0	5.46	12
401430235	2013	1	12	8	V	2.4	0	5.34	3
401430235	2013	1	12	9	V	2.0	0	5.92	5
401430235	2013	1	12	10	V	2.9	0	6.91	13
401430235	2013	1	12	11	V	2.8	0	6.06	5
401430235	2013	1	12	12	V	5.3	0	6.6	17
401430235	2013	1	12	13	V	6.1	0	6.81	17
401430235	2013	1	12	14	V	2.8	0	5.55	9
401430235	2013	1	12	15	V	1.8	0	5.38	3
401430235	2013	1	12	16	V	3.1	0	6.35	358
401430235	2013	1	12	17	V	3.4	0	6.6	2
401430235	2013	1	12	18	V	4.3	0	6.09	10
401430235	2013	1	12	19	V	2.9	0	5.51	2
401430235	2013	1	12	20	V	2.4	0	5.43	2
401430235	2013	1	12	21	V	2.6	0	4.54	359
401430235	2013	1	12	22	V	2.7	0	4.61	2
401430235	2013	1	12	23	V	3.7	0	3.93	354
401430235	2013	1	12	24	V	4.0	0	3.93	342
401430235	2013	1	13	1	V	2.3	0	4.63	353
401430235	2013	1	13	2	V	2.4	0	5.22	4
401430235	2013	1	13	3	V	1.9	0	4.07	351
401430235	2013	1	13	4	V	2.0	0	3.56	350
401430235	2013	1	13	5	V	2.1	0	3.37	351
401430235	2013	1	13	6	V	2.0	0	4.15	353
401430235	2013	1	13	7	V	1.6	0	4.12	351
401430235	2013	1	13	8	V	2.4	0	3.85	349
401430235	2013	1	13	9	V	2.3	0	3.88	346
401430235	2013	1	13	10	V	3.5	0	4.07	342
401430235	2013	1	13	11	V	3.7	0	4.09	341
401430235	2013	1	13	12	V	8.4	0	4.15	328
401430235	2013	1	13	13	V	6.4	1	4.49	347
401430235	2013	1	13	14	V	3.7	0	4.17	341
401430235	2013	1	13	15	V	1.9	0	3.95	360
401430235	2013	1	13	16	V	3.2	0	3.51	11
401430235	2013	1	13	17	V	3.4	0	2.88	10
401430235	2013	1	13	18	V	4.3	0	3.01	23
401430235	2013	1	13	19	V	2.9	0	2.13	18
401430235	2013	1	13	20	V	2.4	0	1.62	9
401430235	2013	1	13	21	V	2.6	0	1.81	3
401430235	2013	1	13	22	V	3.2	0	0.77	4
401430235	2013	1	13	23	V	4.0	0	0.91	4
401430235	2013	1	13	24	V	14.2	0	0.79	307

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	14	1	V	17.9	1	1.04	317
401430235	2013	1	14	2	V	7.7	0	1.59	335
401430235	2013	1	14	3	V	2.0	0	1.18	5
401430235	2013	1	14	4	V	1.9	0	2.06	10
401430235	2013	1	14	5	V	2.1	0	2.28	8
401430235	2013	1	14	6	V	2.0	0	2.18	4
401430235	2013	1	14	7	V	1.6	0	2.57	5
401430235	2013	1	14	8	V	2.4	0	3.1	15
401430235	2013	1	14	9	V	2.1	0	2.56	21
401430235	2013	1	14	10	V	6.5	0	2.93	41
401430235	2013	1	14	11	V	2.8	1	4.63	59
401430235	2013	1	14	12	V	6.0	1	4.59	50
401430235	2013	1	14	13	V	7.2	1	4.49	49
401430235	2013	1	14	14	V	7.0	1	4.34	42
401430235	2013	1	14	15	V	3.7	1	4.22	47
401430235	2013	1	14	16	V	6.5	1	4.27	44
401430235	2013	1	14	17	V	6.4	1	4.24	43
401430235	2013	1	14	18	V	4.3	1	3.8	30
401430235	2013	1	14	19	V	2.9	1	3.47	26
401430235	2013	1	14	20	V	2.7	0	3.52	33
401430235	2013	1	14	21	V	2.6	1	3.95	26
401430235	2013	1	14	22	V	2.7	1	4.07	32
401430235	2013	1	14	23	V	3.7	0	2.96	23
401430235	2013	1	14	24	V	3.2	1	2.93	24
401430235	2013	1	15	1	V	2.3	0	3.3	24
401430235	2013	1	15	2	V	2.4	0	2.83	19
401430235	2013	1	15	3	V	1.9	0	3.05	11
401430235	2013	1	15	4	V	1.9	0	2.81	12
401430235	2013	1	15	5	V	2.1	1	2.39	13
401430235	2013	1	15	6	V	2.0	0	2.96	18
401430235	2013	1	15	7	V	1.6	1	2.47	16
401430235	2013	1	15	8	V	2.4	1	1.72	13
401430235	2013	1	15	9	V	2.0	1	2.21	15
401430235	2013	1	15	10	V	3.0	1	2.76	3
401430235	2013	1	15	11	V	2.9	1	3.97	9
401430235	2013	1	15	12	V	5.4	1	3.85	6
401430235	2013	1	15	13	V	6.2	1	3.68	6
401430235	2013	1	15	14	V	2.9	1	4.1	9
401430235	2013	1	15	15	V	1.9	1	4.05	14
401430235	2013	1	15	16	V	3.2	1	3.56	11
401430235	2013	1	15	17	V	3.4	1	2.93	9
401430235	2013	1	15	18	V	4.3	1	2.4	7
401430235	2013	1	15	19	V	2.9	1	2.16	2
401430235	2013	1	15	20	V	2.5	1	1.4	351
401430235	2013	1	15	21	V	16.4	0	1.35	321
401430235	2013	1	15	22	V	6.3	0	0.89	297

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	15	23	V	6.7	0	0.8	294
401430235	2013	1	15	24	V	12.9	0	0.6	304
401430235	2013	1	16	1	V	2.8	1	0.79	274
401430235	2013	1	16	2	V	15.5	1	0.53	310
401430235	2013	1	16	3	V	2.7	1	0.62	245
401430235	2013	1	16	4	V	2.4	0	0.87	222
401430235	2013	1	16	5	V	2.3	1	0.92	257
401430235	2013	1	16	6	V	2.5	1	0.74	229
401430235	2013	1	16	7	V	1.8	1	1.21	227
401430235	2013	1	16	8	V	2.9	1	0.92	214
401430235	2013	1	16	9	V	2.1	1	1.42	206
401430235	2013	1	16	10	V	3.3	1	1.53	193
401430235	2013	1	16	11	V	3.0	1	2.3	241
401430235	2013	1	16	12	V	5.4	0	3.1	235
401430235	2013	1	16	13	V	6.3	0	3.56	222
401430235	2013	1	16	14	V	2.9	0	3.1	227
401430235	2013	1	16	15	V	2.0	0	2.57	278
401430235	2013	1	16	16	V	3.2	0	2.35	272
401430235	2013	1	16	17	V	3.4	0	1.93	271
401430235	2013	1	16	18	V	4.4	0	1.2	265
401430235	2013	1	16	19	V	3.5	1	1.26	288
401430235	2013	1	16	20	V	2.7	1	0.94	224
401430235	2013	1	16	21	V	3.6	1	0.57	242
401430235	2013	1	16	22	V	4.3	1	0.58	286
401430235	2013	1	16	23	C	-999	1	0	0
401430235	2013	1	16	24	V	4.3	1	0.55	205
401430235	2013	1	17	1	C	-999	0	0	0
401430235	2013	1	17	2	V	3.4	1	0.55	243
401430235	2013	1	17	3	C	-999	1	0	0
401430235	2013	1	17	4	C	-999	1	0	0
401430235	2013	1	17	5	V	2.1	0	1.82	5
401430235	2013	1	17	6	V	2.0	0	5.5	11
401430235	2013	1	17	7	V	1.6	0	4.12	13
401430235	2013	1	17	8	V	2.4	1	3.17	11
401430235	2013	1	17	9	V	2.0	1	4.88	13
401430235	2013	1	17	10	V	2.9	0	5.19	10
401430235	2013	1	17	11	V	2.8	0	4.85	14
401430235	2013	1	17	12	V	5.3	1	4.9	15
401430235	2013	1	17	13	V	6.2	1	5.11	15
401430235	2013	1	17	14	V	2.8	1	5.36	13
401430235	2013	1	17	15	V	1.8	1	4.94	9
401430235	2013	1	17	16	V	3.1	1	4.32	16
401430235	2013	1	17	17	V	3.4	0	3.71	24
401430235	2013	1	17	18	V	8.0	0	2.15	37
401430235	2013	1	17	19	C	-999	1	0	0
401430235	2013	1	17	20	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	17	21	V	3.7	1	0.58	220
401430235	2013	1	17	22	V	3.1	1	0.77	258
401430235	2013	1	17	23	C	-999	1	0	0
401430235	2013	1	17	24	V	4.3	1	0.6	213
401430235	2013	1	18	1	V	3.3	1	0.63	222
401430235	2013	1	18	2	V	3.5	1	0.6	215
401430235	2013	1	18	3	C	-999	1	0	0
401430235	2013	1	18	4	C	-999	1	0	0
401430235	2013	1	18	5	C	-999	1	0	0
401430235	2013	1	18	6	V	8.6	1	0.55	299
401430235	2013	1	18	7	C	-999	1	0	0
401430235	2013	1	18	8	C	-999	1	0	0
401430235	2013	1	18	9	V	2.1	0	1.28	204
401430235	2013	1	18	10	V	3.1	0	4.03	195
401430235	2013	1	18	11	V	2.9	0	6.46	186
401430235	2013	1	18	12	V	5.4	0	7.11	195
401430235	2013	1	18	13	V	6.3	1	7.88	197
401430235	2013	1	18	14	V	3.0	1	7.23	191
401430235	2013	1	18	15	V	2.0	1	7.26	191
401430235	2013	1	18	16	V	3.3	1	7.25	191
401430235	2013	1	18	17	V	3.5	1	6.47	190
401430235	2013	1	18	18	V	4.3	0	5.04	186
401430235	2013	1	18	19	V	2.9	0	4.46	181
401430235	2013	1	18	20	V	2.4	0	3.73	175
401430235	2013	1	18	21	V	2.7	0	1.77	187
401430235	2013	1	18	22	V	2.8	0	2.01	188
401430235	2013	1	18	23	V	3.9	0	1.64	176
401430235	2013	1	18	24	V	3.5	0	1.4	167
401430235	2013	1	19	1	V	2.4	0	1.62	144
401430235	2013	1	19	2	V	2.4	0	2.1	157
401430235	2013	1	19	3	V	1.9	0	3.59	192
401430235	2013	1	19	4	V	1.9	0	4.31	195
401430235	2013	1	19	5	V	2.1	0	4.05	194
401430235	2013	1	19	6	V	2.0	0	3.81	188
401430235	2013	1	19	7	V	1.6	0	3.3	178
401430235	2013	1	19	8	V	2.4	0	4.71	186
401430235	2013	1	19	9	V	2.0	0	4.85	193
401430235	2013	1	19	10	V	3.0	0	4.34	199
401430235	2013	1	19	11	V	2.9	0	4.99	215
401430235	2013	1	19	12	V	5.5	1	4.05	217
401430235	2013	1	19	13	V	6.5	1	3.01	217
401430235	2013	1	19	14	V	3.1	1	3.13	215
401430235	2013	1	19	15	V	2.1	1	3.59	217
401430235	2013	1	19	16	V	3.2	0	3.15	227
401430235	2013	1	19	17	V	3.7	0	3.12	216
401430235	2013	1	19	18	V	4.3	0	1.77	250

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	19	19	V	4.1	0	1.03	291
401430235	2013	1	19	20	V	2.9	0	0.74	268
401430235	2013	1	19	21	C	-999	0	0	0
401430235	2013	1	19	22	V	3.8	0	0.52	262
401430235	2013	1	19	23	C	-999	0	0	0
401430235	2013	1	19	24	C	-999	0	0	0
401430235	2013	1	20	1	V	2.6	0	0.96	25
401430235	2013	1	20	2	V	3.3	0	0.63	35
401430235	2013	1	20	3	V	3.0	0	0.6	43
401430235	2013	1	20	4	V	1.9	0	2.05	10
401430235	2013	1	20	5	V	2.1	0	2.78	14
401430235	2013	1	20	6	V	2.0	0	2.3	21
401430235	2013	1	20	7	V	1.6	0	2.74	15
401430235	2013	1	20	8	V	2.4	0	2.64	21
401430235	2013	1	20	9	V	2.1	0	2.78	29
401430235	2013	1	20	10	V	6.7	0	4.2	38
401430235	2013	1	20	11	V	3.5	0	3.32	54
401430235	2013	1	20	12	V	5.4	0	3.61	113
401430235	2013	1	20	13	V	6.2	1	3.2	135
401430235	2013	1	20	14	V	2.9	1	3.66	147
401430235	2013	1	20	15	V	2.0	0	3.18	168
401430235	2013	1	20	16	V	3.3	0	2.15	197
401430235	2013	1	20	17	V	3.5	2	0.84	167
401430235	2013	1	20	18	V	4.3	0	2.23	21
401430235	2013	1	20	19	V	2.9	0	5.14	18
401430235	2013	1	20	20	V	2.4	0	6.91	24
401430235	2013	1	20	21	V	2.6	0	6.75	24
401430235	2013	1	20	22	V	2.7	0	6.79	23
401430235	2013	1	20	23	V	3.7	0	6.86	21
401430235	2013	1	20	24	V	3.2	0	5.77	14
401430235	2013	1	21	1	V	2.3	0	4.85	16
401430235	2013	1	21	2	V	2.4	0	5	15
401430235	2013	1	21	3	V	1.9	0	5.22	22
401430235	2013	1	21	4	V	1.9	0	4.95	19
401430235	2013	1	21	5	V	2.1	0	4.32	18
401430235	2013	1	21	6	V	2.0	1	3.74	20
401430235	2013	1	21	7	V	1.6	0	3.59	15
401430235	2013	1	21	8	V	2.4	0	3.97	21
401430235	2013	1	21	9	V	2.0	0	3.83	23
401430235	2013	1	21	10	V	2.9	0	4.73	24
401430235	2013	1	21	11	V	2.9	1	4.24	24
401430235	2013	1	21	12	V	6.5	6	3.98	32
401430235	2013	1	21	13	V	6.7	8	3.37	29
401430235	2013	1	21	14	V	3.0	6	3.8	27
401430235	2013	1	21	15	V	2.9	2	3.93	32
401430235	2013	1	21	16	V	3.9	1	4.31	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	21	17	V	3.8	1	4.12	33
401430235	2013	1	21	18	V	9.4	2	3.22	39
401430235	2013	1	21	19	V	2.9	5	2.66	28
401430235	2013	1	21	20	V	2.4	2	3.3	62
401430235	2013	1	21	21	V	2.7	1	2.25	31
401430235	2013	1	21	22	V	2.7	1	2.3	22
401430235	2013	1	21	23	V	4.2	1	1.62	49
401430235	2013	1	21	24	V	5.5	0	2.13	36
401430235	2013	1	22	1	V	2.3	1	2.98	28
401430235	2013	1	22	2	V	2.4	1	2.49	31
401430235	2013	1	22	3	V	2.0	1	1.43	22
401430235	2013	1	22	4	V	1.9	0	1.79	17
401430235	2013	1	22	5	V	4.0	1	1.47	35
401430235	2013	1	22	6	V	2.0	0	2.08	15
401430235	2013	1	22	7	V	1.8	0	1.21	19
401430235	2013	1	22	8	V	7.7	0	0.7	339
401430235	2013	1	22	9	V	2.9	0	0.62	47
401430235	2013	1	22	10	M	-999	1	2.04	135
401430235	2013	1	22	11	M	-999	1	3.54	176
401430235	2013	1	22	12	M	-999	1	5.04	191
401430235	2013	1	22	13	M	-999	1	2.1	194
401430235	2013	1	22	14	M	-999	1	2.11	176
401430235	2013	1	22	15	M	-999	1	3.52	175
401430235	2013	1	22	16	M	-999	1	3.68	185
401430235	2013	1	22	17	M	-999	1	3.13	193
401430235	2013	1	22	18	V	4.3	1	2.01	178
401430235	2013	1	22	19	V	3.1	1	1.14	84
401430235	2013	1	22	20	V	2.5	1	1.23	130
401430235	2013	1	22	21	V	2.8	1	1.71	168
401430235	2013	1	22	22	V	3.0	1	0.94	155
401430235	2013	1	22	23	V	4.2	1	0.96	199
401430235	2013	1	22	24	V	3.6	0	1.13	189
401430235	2013	1	23	1	V	2.7	0	1.01	161
401430235	2013	1	23	2	V	2.7	0	1.26	191
401430235	2013	1	23	3	V	2.0	0	1.54	198
401430235	2013	1	23	4	V	2.2	1	1.14	197
401430235	2013	1	23	5	V	8.3	1	0.53	298
401430235	2013	1	23	6	V	2.7	1	0.65	226
401430235	2013	1	23	7	V	1.7	1	1.43	206
401430235	2013	1	23	8	V	3.3	1	0.75	185
401430235	2013	1	23	9	V	2.2	1	1.33	177
401430235	2013	1	23	10	V	3.3	1	1.65	163
401430235	2013	1	23	11	V	3.3	1	1.86	163
401430235	2013	1	23	12	V	5.7	1	2.55	182
401430235	2013	1	23	13	V	6.5	1	2.54	185
401430235	2013	1	23	14	V	3.4	1	1.94	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	23	15	V	1.9	1	2.44	135
401430235	2013	1	23	16	V	3.2	1	2.86	125
401430235	2013	1	23	17	V	3.4	1	2.04	135
401430235	2013	1	23	18	V	4.4	0	1.28	74
401430235	2013	1	23	19	V	3.1	0	1.25	13
401430235	2013	1	23	20	V	2.4	1	1.74	16
401430235	2013	1	23	21	V	2.6	1	2.86	23
401430235	2013	1	23	22	V	2.7	0	2.81	24
401430235	2013	1	23	23	V	3.7	0	2.64	29
401430235	2013	1	23	24	V	3.2	0	3.83	24
401430235	2013	1	24	1	V	2.3	0	5.51	28
401430235	2013	1	24	2	V	2.4	0	5.38	26
401430235	2013	1	24	3	V	1.9	0	6.09	28
401430235	2013	1	24	4	V	1.9	0	6.11	30
401430235	2013	1	24	5	V	2.1	0	5.9	25
401430235	2013	1	24	6	V	2.0	0	5.62	28
401430235	2013	1	24	7	V	1.6	1	5.17	28
401430235	2013	1	24	8	V	2.6	1	5.39	32
401430235	2013	1	24	9	V	3.7	1	5.51	36
401430235	2013	1	24	10	V	3.0	0	6.14	29
401430235	2013	1	24	11	V	3.2	-999	5.79	32
401430235	2013	1	24	12	V	7.9	-999	5.11	36
401430235	2013	1	24	13	V	6.2	0	4.46	17
401430235	2013	1	24	14	V	2.8	0	4.59	19
401430235	2013	1	24	15	V	1.9	0	3.93	23
401430235	2013	1	24	16	V	3.2	0	3.01	12
401430235	2013	1	24	17	V	3.4	0	2.16	360
401430235	2013	1	24	18	V	11.0	0	2.13	331
401430235	2013	1	24	19	V	3.6	0	1.04	346
401430235	2013	1	24	20	V	11.8	0	2.5	323
401430235	2013	1	24	21	V	6.1	3	2.11	335
401430235	2013	1	24	22	V	7.1	1	2.23	334
401430235	2013	1	24	23	V	4.1	0	2.03	341
401430235	2013	1	24	24	V	3.3	0	1.33	349
401430235	2013	1	25	1	V	2.5	0	1.25	348
401430235	2013	1	25	2	V	3.1	0	1.28	343
401430235	2013	1	25	3	V	11.6	0	1.33	307
401430235	2013	1	25	4	V	11.1	0	1.98	320
401430235	2013	1	25	5	V	9.9	0	1.76	332
401430235	2013	1	25	6	V	17.7	0	1.55	314
401430235	2013	1	25	7	V	10.3	0	1.89	329
401430235	2013	1	25	8	V	3.0	0	1.7	341
401430235	2013	1	25	9	V	6.8	0	1.88	335
401430235	2013	1	25	10	V	3.9	0	1.96	345
401430235	2013	1	25	11	V	3.0	0	2.27	356
401430235	2013	1	25	12	V	6.1	0	3.32	29

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	25	13	V	6.6	0	3.71	28
401430235	2013	1	25	14	V	2.9	0	3.78	25
401430235	2013	1	25	15	V	1.9	0	3.01	19
401430235	2013	1	25	16	V	5.5	0	2.18	33
401430235	2013	1	25	17	V	5.5	0	2.27	48
401430235	2013	1	25	18	V	4.7	0	1.14	52
401430235	2013	1	25	19	V	3.6	3	0.63	65
401430235	2013	1	25	20	V	4.0	3	0.58	286
401430235	2013	1	25	21	V	11.3	3	0.74	334
401430235	2013	1	25	22	V	3.6	1	0.57	263
401430235	2013	1	25	23	C	-999	1	0	0
401430235	2013	1	25	24	V	3.5	1	0.91	2
401430235	2013	1	26	1	V	2.3	0	1.82	11
401430235	2013	1	26	2	V	2.4	0	1.64	22
401430235	2013	1	26	3	V	2.0	0	1.16	23
401430235	2013	1	26	4	V	2.1	0	0.97	1
401430235	2013	1	26	5	V	2.1	0	2.55	29
401430235	2013	1	26	6	V	2.1	0	1.37	356
401430235	2013	1	26	7	V	2.1	0	0.75	245
401430235	2013	1	26	8	C	-999	0	0	0
401430235	2013	1	26	9	C	-999	0	0	0
401430235	2013	1	26	10	V	3.6	0	1.11	142
401430235	2013	1	26	11	V	3.0	0	2.88	154
401430235	2013	1	26	12	V	5.4	0	3.86	137
401430235	2013	1	26	13	V	6.2	0	5.11	135
401430235	2013	1	26	14	V	2.8	0	4.68	143
401430235	2013	1	26	15	V	2.0	0	4.68	171
401430235	2013	1	26	16	V	3.2	0	3.71	178
401430235	2013	1	26	17	V	3.4	0	4.56	173
401430235	2013	1	26	18	V	4.3	0	4.25	163
401430235	2013	1	26	19	V	2.9	0	4	144
401430235	2013	1	26	20	V	2.4	0	3.44	149
401430235	2013	1	26	21	V	2.6	0	3.56	150
401430235	2013	1	26	22	V	2.7	0	4.02	151
401430235	2013	1	26	23	V	3.7	0	3.86	156
401430235	2013	1	26	24	V	3.2	0	4.37	160
401430235	2013	1	27	1	V	2.3	0	4.36	171
401430235	2013	1	27	2	V	2.4	0	3.76	163
401430235	2013	1	27	3	V	1.9	0	4.68	161
401430235	2013	1	27	4	V	1.9	0	5.58	169
401430235	2013	1	27	5	V	2.1	0	4.96	175
401430235	2013	1	27	6	V	2.0	0	5.96	171
401430235	2013	1	27	7	V	1.6	0	4.34	171
401430235	2013	1	27	8	V	2.4	0	4.6	173
401430235	2013	1	27	9	V	2.0	0	4.95	175
401430235	2013	1	27	10	V	3.0	0	5.34	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	27	11	V	2.9	0	4.97	175
401430235	2013	1	27	12	V	5.5	0	5.46	191
401430235	2013	1	27	13	V	6.3	0	6.92	189
401430235	2013	1	27	14	V	3.0	0	6.91	189
401430235	2013	1	27	15	V	2.0	0	7.08	190
401430235	2013	1	27	16	V	3.3	0	7.84	189
401430235	2013	1	27	17	V	3.4	0	7.76	184
401430235	2013	1	27	18	V	4.4	0	6.82	177
401430235	2013	1	27	19	V	2.9	0	4.42	168
401430235	2013	1	27	20	V	2.4	0	4.29	166
401430235	2013	1	27	21	V	2.6	0	4.02	162
401430235	2013	1	27	22	V	2.7	0	3.29	154
401430235	2013	1	27	23	V	3.7	0	2.74	150
401430235	2013	1	27	24	V	3.2	0	2.42	155
401430235	2013	1	28	1	V	2.3	0	2.25	147
401430235	2013	1	28	2	V	2.5	0	1.18	108
401430235	2013	1	28	3	V	1.9	0	4.83	196
401430235	2013	1	28	4	V	1.9	0	6.45	198
401430235	2013	1	28	5	V	2.1	0	6.57	200
401430235	2013	1	28	6	V	2.0	0	5.85	200
401430235	2013	1	28	7	V	1.6	0	5.72	197
401430235	2013	1	28	8	V	2.4	0	5.89	195
401430235	2013	1	28	9	V	2.1	0	6.69	196
401430235	2013	1	28	10	V	3.0	0	7.52	197
401430235	2013	1	28	11	V	2.9	0	8.08	195
401430235	2013	1	28	12	V	5.5	0	7.72	192
401430235	2013	1	28	13	V	6.3	0	6.94	183
401430235	2013	1	28	14	V	2.9	0	6.89	182
401430235	2013	1	28	15	V	2.0	0	7.42	189
401430235	2013	1	28	16	V	3.3	0	8.27	188
401430235	2013	1	28	17	V	3.4	0	7.06	181
401430235	2013	1	28	18	V	4.3	0	7.15	171
401430235	2013	1	28	19	V	2.9	0	6.18	168
401430235	2013	1	28	20	V	2.4	0	5.84	167
401430235	2013	1	28	21	V	2.6	0	6.02	171
401430235	2013	1	28	22	V	2.7	0	5.99	176
401430235	2013	1	28	23	V	3.7	0	5.68	170
401430235	2013	1	28	24	V	3.2	0	6.67	177
401430235	2013	1	29	1	V	2.3	0	6.55	178
401430235	2013	1	29	2	V	2.4	0	7.25	183
401430235	2013	1	29	3	V	1.9	0	6.67	186
401430235	2013	1	29	4	V	1.9	0	6.64	179
401430235	2013	1	29	5	V	2.1	0	6.3	182
401430235	2013	1	29	6	V	2.0	0	6.13	185
401430235	2013	1	29	7	V	1.6	0	6.26	180
401430235	2013	1	29	8	V	2.4	0	7.55	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	29	9	V	2.1	0	7.69	182
401430235	2013	1	29	10	V	3.0	0	7.67	185
401430235	2013	1	29	11	V	2.8	0	7.94	207
401430235	2013	1	29	12	V	5.4	0	3.15	352
401430235	2013	1	29	13	V	6.4	0	2.86	27
401430235	2013	1	29	14	V	6.8	0	3.5	43
401430235	2013	1	29	15	M	-999	0	999	999
401430235	2013	1	29	16	V	3.4	0	1.02	163
401430235	2013	1	29	17	V	3.3	0	2.4	129
401430235	2013	1	29	18	V	6.7	0	3.68	301
401430235	2013	1	29	19	V	11.2	0	4.08	320
401430235	2013	1	29	20	V	8.6	0	2.61	331
401430235	2013	1	29	21	V	2.6	0	3.46	6
401430235	2013	1	29	22	V	3.1	0	1.99	294
401430235	2013	1	29	23	V	4.1	0	3.27	293
401430235	2013	1	29	24	V	7.1	0	3.05	303
401430235	2013	1	30	1	V	3.0	0	2.86	296
401430235	2013	1	30	2	V	3.6	0	2.69	299
401430235	2013	1	30	3	V	2.0	0	2.61	284
401430235	2013	1	30	4	V	5.9	0	3.46	304
401430235	2013	1	30	5	V	7.5	0	4.34	307
401430235	2013	1	30	6	V	6.9	0	4.68	306
401430235	2013	1	30	7	V	10.4	0	4.87	316
401430235	2013	1	30	8	V	10.4	0	4.44	321
401430235	2013	1	30	9	V	10.6	0	5.38	323
401430235	2013	1	30	10	V	5.9	0	5.48	331
401430235	2013	1	30	11	V	6.5	0	5.55	325
401430235	2013	1	30	12	V	9.8	2	5.1	317
401430235	2013	1	30	13	V	10.3	4	5.36	321
401430235	2013	1	30	14	V	5.8	9	5	308
401430235	2013	1	30	15	V	4.4	6	5.39	306
401430235	2013	1	30	16	V	4.1	3	5.31	300
401430235	2013	1	30	17	V	4.5	5	4.37	300
401430235	2013	1	30	18	V	6.5	5	2.28	303
401430235	2013	1	30	19	V	15.6	3	0.91	327
401430235	2013	1	30	20	V	2.7	1	0.89	270
401430235	2013	1	30	21	V	3.3	0	0.77	280
401430235	2013	1	30	22	V	3.7	0	0.55	260
401430235	2013	1	30	23	V	3.9	0	1.03	236
401430235	2013	1	30	24	V	3.8	0	0.72	5
401430235	2013	1	31	1	V	2.6	0	0.96	274
401430235	2013	1	31	2	V	2.9	0	0.77	225
401430235	2013	1	31	3	V	2.1	0	0.96	232
401430235	2013	1	31	4	V	2.3	0	0.77	233
401430235	2013	1	31	5	V	2.5	0	0.77	236
401430235	2013	1	31	6	V	2.5	0	0.94	217

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	1	31	7	V	2.0	0	0.79	231
401430235	2013	1	31	8	V	2.8	0	0.99	201
401430235	2013	1	31	9	V	2.2	0	1.86	203
401430235	2013	1	31	10	V	3.4	1	1.5	275
401430235	2013	1	31	11	V	9.0	7	2.04	307
401430235	2013	1	31	12	V	7.6	2	3.29	334
401430235	2013	1	31	13	V	6.2	0	5.05	19
401430235	2013	1	31	14	V	2.8	0	6.5	21
401430235	2013	1	31	15	V	1.8	0	7.88	23
401430235	2013	1	31	16	V	3.1	0	8.11	18
401430235	2013	1	31	17	V	3.3	0	7.45	18
401430235	2013	1	31	18	V	4.3	0	6.5	18
401430235	2013	1	31	19	V	2.9	0	4.09	14
401430235	2013	1	31	20	V	2.4	0	3.52	10
401430235	2013	1	31	21	V	2.6	0	3.9	11
401430235	2013	1	31	22	V	2.7	0	4.42	13
401430235	2013	1	31	23	V	3.7	0	5.19	20
401430235	2013	1	31	24	V	3.2	0	4.77	27
401430235	2013	2	1	1	V	2.3	0	4.8	20
401430235	2013	2	1	2	V	2.4	0	4.36	28
401430235	2013	2	1	3	V	6.3	0	3.24	43
401430235	2013	2	1	4	V	5.6	0	3.85	43
401430235	2013	2	1	5	V	2.1	0	3.34	57
401430235	2013	2	1	6	V	2.0	0	2.67	67
401430235	2013	2	1	7	V	1.6	0	2.44	81
401430235	2013	2	1	8	V	2.4	0	2.59	65
401430235	2013	2	1	9	V	2.1	0	2.13	74
401430235	2013	2	1	10	V	3.1	0	2.39	109
401430235	2013	2	1	11	V	3.0	0	2.45	126
401430235	2013	2	1	12	V	5.5	1	2.91	150
401430235	2013	2	1	13	V	6.2	2	3.35	142
401430235	2013	2	1	14	V	2.9	1	3.73	143
401430235	2013	2	1	15	V	1.9	0	4.78	151
401430235	2013	2	1	16	V	3.2	0	4.82	154
401430235	2013	2	1	17	V	3.3	0	4.83	155
401430235	2013	2	1	18	V	4.3	0	3.8	147
401430235	2013	2	1	19	V	2.9	0	2.1	132
401430235	2013	2	1	20	V	2.5	0	1.35	27
401430235	2013	2	1	21	V	6.1	0	1.08	340
401430235	2013	2	1	22	V	18.7	0	0.55	323
401430235	2013	2	1	23	V	4.0	0	0.87	235
401430235	2013	2	1	24	V	3.6	0	1.76	221
401430235	2013	2	2	1	V	3.0	0	1.54	215
401430235	2013	2	2	2	V	2.9	0	0.96	218
401430235	2013	2	2	3	V	3.1	0	0.53	357
401430235	2013	2	2	4	V	3.6	0	0.63	286

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	2	5	V	3.0	0	0.6	263
401430235	2013	2	2	6	V	2.3	0	0.86	230
401430235	2013	2	2	7	V	2.2	0	0.75	248
401430235	2013	2	2	8	V	2.8	0	0.89	223
401430235	2013	2	2	9	V	2.7	0	0.67	172
401430235	2013	2	2	10	V	4.7	2	2.08	294
401430235	2013	2	2	11	V	2.9	1	4.14	3
401430235	2013	2	2	12	V	5.4	0	3.34	14
401430235	2013	2	2	13	V	7.5	0	3.23	31
401430235	2013	2	2	14	V	3.1	0	2.2	358
401430235	2013	2	2	15	V	2.4	2	2.32	288
401430235	2013	2	2	16	V	3.9	0	2.96	294
401430235	2013	2	2	17	V	3.5	0	3.3	288
401430235	2013	2	2	18	V	4.3	0	2.2	282
401430235	2013	2	2	19	V	3.0	0	1.26	235
401430235	2013	2	2	20	V	2.5	0	1.2	251
401430235	2013	2	2	21	V	2.7	0	1.26	256
401430235	2013	2	2	22	V	2.7	0	1.57	252
401430235	2013	2	2	23	V	3.9	0	1.13	264
401430235	2013	2	2	24	V	3.4	0	1.11	259
401430235	2013	2	3	1	V	2.3	0	1.84	255
401430235	2013	2	3	2	V	2.4	0	1.94	269
401430235	2013	2	3	3	V	1.9	0	1.82	282
401430235	2013	2	3	4	V	8.4	0	1.57	305
401430235	2013	2	3	5	V	19.2	0	0.91	318
401430235	2013	2	3	6	V	16.4	0	1.3	327
401430235	2013	2	3	7	V	1.6	0	3.15	350
401430235	2013	2	3	8	V	2.4	0	3.24	13
401430235	2013	2	3	9	V	2.0	0	2.76	18
401430235	2013	2	3	10	V	3.0	0	4.56	26
401430235	2013	2	3	11	V	4.8	0	3.12	48
401430235	2013	2	3	12	V	5.6	4	2.16	77
401430235	2013	2	3	13	V	6.3	1	2.69	132
401430235	2013	2	3	14	V	2.9	0	3.39	144
401430235	2013	2	3	15	V	1.8	0	4.32	144
401430235	2013	2	3	16	V	3.1	0	4.37	148
401430235	2013	2	3	17	V	3.5	0	4.15	167
401430235	2013	2	3	18	V	4.3	0	2.95	165
401430235	2013	2	3	19	V	2.9	0	2.13	160
401430235	2013	2	3	20	V	2.4	0	1.89	157
401430235	2013	2	3	21	V	2.6	0	2.54	169
401430235	2013	2	3	22	V	2.7	0	3.64	177
401430235	2013	2	3	23	V	3.7	0	3.86	176
401430235	2013	2	3	24	V	3.2	0	3.08	168
401430235	2013	2	4	1	V	2.3	0	2.76	162
401430235	2013	2	4	2	V	2.4	0	2.42	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	4	3	V	1.9	0	2.15	163
401430235	2013	2	4	4	V	1.9	0	2.01	156
401430235	2013	2	4	5	V	2.1	0	2.3	183
401430235	2013	2	4	6	V	2.1	0	1.89	188
401430235	2013	2	4	7	V	1.8	0	1.67	188
401430235	2013	2	4	8	V	2.4	0	3.15	194
401430235	2013	2	4	9	V	2.1	0	3.05	192
401430235	2013	2	4	10	V	3.1	0	3.39	202
401430235	2013	2	4	11	V	3.1	1	3.56	219
401430235	2013	2	4	12	V	5.4	1	3.46	226
401430235	2013	2	4	13	V	6.3	1	2.71	273
401430235	2013	2	4	14	V	6.2	3	2.83	308
401430235	2013	2	4	15	V	1.9	0	4.14	1
401430235	2013	2	4	16	V	3.1	0	5.07	10
401430235	2013	2	4	17	V	3.3	0	4.9	12
401430235	2013	2	4	18	V	4.3	0	3.75	7
401430235	2013	2	4	19	V	2.9	0	2.76	14
401430235	2013	2	4	20	V	2.4	0	3.29	13
401430235	2013	2	4	21	V	2.6	0	4.43	14
401430235	2013	2	4	22	V	2.7	0	2.79	18
401430235	2013	2	4	23	V	4.8	0	1.72	34
401430235	2013	2	4	24	V	3.2	0	2.59	10
401430235	2013	2	5	1	V	2.3	0	1.98	10
401430235	2013	2	5	2	V	2.4	0	1.55	10
401430235	2013	2	5	3	V	2.6	0	1.04	347
401430235	2013	2	5	4	V	3.0	0	0.55	267
401430235	2013	2	5	5	V	2.4	0	0.91	11
401430235	2013	2	5	6	V	3.0	0	0.65	280
401430235	2013	2	5	7	V	2.0	1	0.87	272
401430235	2013	2	5	8	V	3.5	0	0.55	235
401430235	2013	2	5	9	V	3.0	1	0.57	193
401430235	2013	2	5	10	V	4.0	6	1.06	157
401430235	2013	2	5	11	V	3.4	6	1.88	170
401430235	2013	2	5	12	V	6.2	3	1.45	161
401430235	2013	2	5	13	V	7.2	2	1.16	163
401430235	2013	2	5	14	V	4.4	1	1.37	41
401430235	2013	2	5	15	V	7.1	1	2.33	325
401430235	2013	2	5	16	V	7.5	-999	1.84	329
401430235	2013	2	5	17	V	7.8	-999	1.76	307
401430235	2013	2	5	18	V	4.3	1	1.94	3
401430235	2013	2	5	19	V	12.0	0	0.79	335
401430235	2013	2	5	20	V	2.4	0	1.57	17
401430235	2013	2	5	21	V	3.2	0	0.82	29
401430235	2013	2	5	22	V	3.0	0	0.84	235
401430235	2013	2	5	23	V	5.9	0	0.75	290
401430235	2013	2	5	24	V	3.7	0	0.79	275

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	6	1	V	2.6	0	0.96	357
401430235	2013	2	6	2	V	2.9	0	0.87	354
401430235	2013	2	6	3	V	2.5	1	0.69	246
401430235	2013	2	6	4	V	2.5	1	0.7	266
401430235	2013	2	6	5	V	3.5	0	0.58	352
401430235	2013	2	6	6	V	2.5	1	0.75	252
401430235	2013	2	6	7	V	2.6	1	0.63	223
401430235	2013	2	6	8	V	3.4	1	0.57	249
401430235	2013	2	6	9	V	3.8	1	0.65	244
401430235	2013	2	6	10	V	3.2	0	2.62	166
401430235	2013	2	6	11	V	2.9	0	4.37	154
401430235	2013	2	6	12	V	5.4	0	4.31	149
401430235	2013	2	6	13	V	6.2	0	5.44	158
401430235	2013	2	6	14	V	2.9	0	6.23	163
401430235	2013	2	6	15	V	1.9	0	6.57	165
401430235	2013	2	6	16	V	3.2	0	6.35	162
401430235	2013	2	6	17	V	3.4	0	6.16	162
401430235	2013	2	6	18	V	4.3	0	5.65	163
401430235	2013	2	6	19	V	2.9	0	4.2	162
401430235	2013	2	6	20	V	2.4	0	4.82	160
401430235	2013	2	6	21	V	2.6	0	4.76	166
401430235	2013	2	6	22	V	2.7	0	4.03	161
401430235	2013	2	6	23	V	3.7	0	4.48	161
401430235	2013	2	6	24	V	3.2	0	4.48	169
401430235	2013	2	7	1	V	2.3	0	4.12	165
401430235	2013	2	7	2	V	2.4	0	3.98	175
401430235	2013	2	7	3	V	1.9	0	4.2	170
401430235	2013	2	7	4	V	1.9	0	4.19	170
401430235	2013	2	7	5	V	2.1	0	3.98	170
401430235	2013	2	7	6	V	2.0	0	3.59	167
401430235	2013	2	7	7	V	1.6	0	3.22	159
401430235	2013	2	7	8	V	2.4	0	2.18	154
401430235	2013	2	7	9	V	2.1	0	1.76	108
401430235	2013	2	7	10	V	5.4	0	1.26	37
401430235	2013	2	7	11	V	3.0	0	2.13	141
401430235	2013	2	7	12	V	5.5	0	2.1	163
401430235	2013	2	7	13	V	6.2	0	4.65	360
401430235	2013	2	7	14	V	2.8	0	5.11	6
401430235	2013	2	7	15	V	1.8	0	5.41	5
401430235	2013	2	7	16	V	3.1	0	4.87	3
401430235	2013	2	7	17	V	3.3	0	4.88	3
401430235	2013	2	7	18	V	4.4	0	4.63	350
401430235	2013	2	7	19	V	2.9	0	4.05	358
401430235	2013	2	7	20	V	2.4	0	2.79	358
401430235	2013	2	7	21	V	2.6	0	3.97	351
401430235	2013	2	7	22	V	2.7	0	4.27	2

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	7	23	V	3.7	0	3.95	2
401430235	2013	2	7	24	V	3.2	0	4.05	5
401430235	2013	2	8	1	V	2.3	0	4.14	5
401430235	2013	2	8	2	V	2.4	0	4.14	7
401430235	2013	2	8	3	V	1.9	0	3.97	1
401430235	2013	2	8	4	V	1.9	0	4.44	8
401430235	2013	2	8	5	V	2.1	0	5.14	24
401430235	2013	2	8	6	V	2.0	0	3.86	13
401430235	2013	2	8	7	V	1.6	0	4.49	16
401430235	2013	2	8	8	V	2.4	0	3.58	30
401430235	2013	2	8	9	V	5.2	0	3.68	44
401430235	2013	2	8	10	V	3.3	0	3.85	54
401430235	2013	2	8	11	V	6.1	0	3.8	36
401430235	2013	2	8	12	V	7.3	0	2.47	32
401430235	2013	2	8	13	V	6.4	3	2.23	6
401430235	2013	2	8	14	V	3.0	3	2.79	20
401430235	2013	2	8	15	V	4.5	3	2.64	46
401430235	2013	2	8	16	V	4.5	3	1.21	35
401430235	2013	2	8	17	V	3.6	2	1.72	57
401430235	2013	2	8	18	V	5.0	1	1.81	48
401430235	2013	2	8	19	V	3.7	0	0.86	32
401430235	2013	2	8	20	V	2.6	0	1.06	19
401430235	2013	2	8	21	C	-999	0	0	0
401430235	2013	2	8	22	C	-999	0	0	0
401430235	2013	2	8	23	C	-999	0	0	0
401430235	2013	2	8	24	V	3.8	0	0.74	254
401430235	2013	2	9	1	C	-999	0	0	0
401430235	2013	2	9	2	V	3.4	0	0.65	218
401430235	2013	2	9	3	V	2.7	0	0.8	183
401430235	2013	2	9	4	V	1.9	0	2.66	135
401430235	2013	2	9	5	V	2.1	0	1.72	137
401430235	2013	2	9	6	V	2.1	0	1.6	160
401430235	2013	2	9	7	V	1.6	0	3.18	156
401430235	2013	2	9	8	V	2.4	0	3.35	157
401430235	2013	2	9	9	V	2.0	0	4.02	152
401430235	2013	2	9	10	V	2.9	0	5.36	149
401430235	2013	2	9	11	V	2.8	0	5.87	146
401430235	2013	2	9	12	V	5.3	0	5.99	155
401430235	2013	2	9	13	V	6.2	0	5.19	146
401430235	2013	2	9	14	V	2.8	0	5.14	145
401430235	2013	2	9	15	V	1.8	0	4.37	138
401430235	2013	2	9	16	V	3.1	0	4.48	131
401430235	2013	2	9	17	V	3.3	0	5.72	118
401430235	2013	2	9	18	V	4.3	0	4.68	137
401430235	2013	2	9	19	V	2.9	0	4.49	139
401430235	2013	2	9	20	V	2.4	0	4.43	151

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	9	21	V	2.6	0	4.36	154
401430235	2013	2	9	22	V	2.7	0	4.03	148
401430235	2013	2	9	23	V	3.7	0	4.25	153
401430235	2013	2	9	24	V	3.2	0	4.39	158
401430235	2013	2	10	1	V	2.3	0	4.41	155
401430235	2013	2	10	2	V	2.4	0	3.4	157
401430235	2013	2	10	3	V	1.9	0	3.57	154
401430235	2013	2	10	4	V	1.9	0	2.71	161
401430235	2013	2	10	5	V	2.1	0	3.01	205
401430235	2013	2	10	6	V	2.0	0	4.12	198
401430235	2013	2	10	7	V	1.9	0	3.51	210
401430235	2013	2	10	8	V	2.4	0	3.27	232
401430235	2013	2	10	9	V	2.0	0	4.31	232
401430235	2013	2	10	10	V	2.9	0	4.87	250
401430235	2013	2	10	11	V	2.8	0	4.29	260
401430235	2013	2	10	12	V	5.3	0	4.53	263
401430235	2013	2	10	13	V	6.2	0	4.78	251
401430235	2013	2	10	14	V	2.8	0	5.1	258
401430235	2013	2	10	15	V	1.8	0	5.33	261
401430235	2013	2	10	16	V	3.1	0	5.51	260
401430235	2013	2	10	17	V	3.3	0	4.31	265
401430235	2013	2	10	18	V	4.4	0	4.36	285
401430235	2013	2	10	19	V	4.5	1	3.73	301
401430235	2013	2	10	20	V	10.3	16	4	320
401430235	2013	2	10	21	V	7.2	19	4.37	330
401430235	2013	2	10	22	V	8.7	6	2.81	330
401430235	2013	2	10	23	V	20.4	12	0.79	322
401430235	2013	2	10	24	V	16.6	5	0.75	308
401430235	2013	2	11	1	V	2.7	3	0.8	238
401430235	2013	2	11	2	V	19.2	10	1.31	319
401430235	2013	2	11	3	V	12.5	13	1.42	307
401430235	2013	2	11	4	V	10.4	12	1.5	306
401430235	2013	2	11	5	V	2.3	2	1.08	251
401430235	2013	2	11	6	V	14.7	1	1.21	308
401430235	2013	2	11	7	V	6.8	1	2.44	333
401430235	2013	2	11	8	V	2.5	0	2.1	343
401430235	2013	2	11	9	V	2.5	1	2.69	346
401430235	2013	2	11	10	V	3.0	1	3.47	360
401430235	2013	2	11	11	V	2.9	0	3.8	17
401430235	2013	2	11	12	V	5.4	0	3.46	13
401430235	2013	2	11	13	V	6.6	0	2.88	26
401430235	2013	2	11	14	V	4.0	0	2.49	30
401430235	2013	2	11	15	V	4.1	0	2.25	37
401430235	2013	2	11	16	V	3.2	0	3.08	20
401430235	2013	2	11	17	V	6.8	0	2.9	41
401430235	2013	2	11	18	V	9.8	0	2.2	38

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	11	19	V	3.1	1	1.57	30
401430235	2013	2	11	20	V	2.6	9	1.06	15
401430235	2013	2	11	21	V	2.7	11	1.52	11
401430235	2013	2	11	22	V	2.8	9	1.55	24
401430235	2013	2	11	23	V	4.1	3	0.87	240
401430235	2013	2	11	24	V	10.7	1	1.03	336
401430235	2013	2	12	1	V	2.8	1	0.89	353
401430235	2013	2	12	2	V	2.4	1	2.35	22
401430235	2013	2	12	3	V	1.9	0	2.67	16
401430235	2013	2	12	4	V	1.9	0	2.3	17
401430235	2013	2	12	5	V	2.1	0	2.18	4
401430235	2013	2	12	6	V	2.0	0	2.69	4
401430235	2013	2	12	7	V	1.6	0	3.01	23
401430235	2013	2	12	8	V	2.4	0	4.41	27
401430235	2013	2	12	9	V	2.0	0	3.74	23
401430235	2013	2	12	10	V	3.4	0	3.34	27
401430235	2013	2	12	11	V	2.9	0	3.64	22
401430235	2013	2	12	12	V	7.4	0	2.86	33
401430235	2013	2	12	13	V	6.4	0	2.04	11
401430235	2013	2	12	14	V	2.9	0	3.18	64
401430235	2013	2	12	15	V	2.0	0	2.2	14
401430235	2013	2	12	16	V	3.5	0	1.93	354
401430235	2013	2	12	17	V	3.5	0	2.69	351
401430235	2013	2	12	18	V	4.3	0	3.24	357
401430235	2013	2	12	19	V	2.9	0	3.81	4
401430235	2013	2	12	20	V	2.4	0	4.03	8
401430235	2013	2	12	21	V	2.6	0	3.18	3
401430235	2013	2	12	22	V	2.7	0	4.17	7
401430235	2013	2	12	23	V	3.7	0	3.18	7
401430235	2013	2	12	24	V	3.2	0	2.15	351
401430235	2013	2	13	1	V	8.9	0	1.64	334
401430235	2013	2	13	2	V	8.3	0	1.04	302
401430235	2013	2	13	3	V	2.0	0	1.53	283
401430235	2013	2	13	4	V	1.9	0	1.57	262
401430235	2013	2	13	5	V	2.1	0	1.71	270
401430235	2013	2	13	6	V	2.0	0	1.96	260
401430235	2013	2	13	7	V	1.6	0	2.4	244
401430235	2013	2	13	8	V	2.4	0	2.56	246
401430235	2013	2	13	9	V	2.0	0	3.12	233
401430235	2013	2	13	10	V	3.0	0	3.08	247
401430235	2013	2	13	11	V	2.9	0	3.13	252
401430235	2013	2	13	12	V	5.4	0	3.52	230
401430235	2013	2	13	13	V	6.2	0	3.18	241
401430235	2013	2	13	14	V	3.0	0	3.76	219
401430235	2013	2	13	15	V	1.9	0	3.22	251
401430235	2013	2	13	16	V	3.2	0	2.89	260

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	13	17	V	3.4	0	2.96	254
401430235	2013	2	13	18	V	4.3	0	1.98	254
401430235	2013	2	13	19	V	3.0	0	1.35	247
401430235	2013	2	13	20	V	2.5	0	1.23	259
401430235	2013	2	13	21	V	2.7	0	1.45	259
401430235	2013	2	13	22	V	2.7	0	1.84	260
401430235	2013	2	13	23	V	3.7	0	1.77	239
401430235	2013	2	13	24	V	3.2	0	1.88	242
401430235	2013	2	14	1	V	2.4	0	1.43	236
401430235	2013	2	14	2	V	2.8	0	0.86	226
401430235	2013	2	14	3	V	2.6	0	0.72	222
401430235	2013	2	14	4	V	2.5	0	0.69	247
401430235	2013	2	14	5	V	3.3	0	0.62	176
401430235	2013	2	14	6	V	2.6	0	0.91	176
401430235	2013	2	14	7	V	2.3	0	0.69	247
401430235	2013	2	14	8	V	3.0	0	0.94	189
401430235	2013	2	14	9	V	2.2	0	1.5	255
401430235	2013	2	14	10	V	10.4	4	2.3	323
401430235	2013	2	14	11	V	2.9	1	3.81	18
401430235	2013	2	14	12	V	6.0	1	2.71	29
401430235	2013	2	14	13	V	8.1	1	2.98	42
401430235	2013	2	14	14	V	3.0	1	2.98	24
401430235	2013	2	14	15	V	1.9	0	3.75	13
401430235	2013	2	14	16	V	3.2	0	3.61	11
401430235	2013	2	14	17	V	3.3	0	4.34	20
401430235	2013	2	14	18	V	4.3	0	4.6	14
401430235	2013	2	14	19	V	5.7	0	2.38	336
401430235	2013	2	14	20	V	13.9	0	1.59	329
401430235	2013	2	14	21	V	4.8	0	1.67	302
401430235	2013	2	14	22	V	13.3	0	2.08	321
401430235	2013	2	14	23	V	5.9	0	4.44	338
401430235	2013	2	14	24	V	10.8	0	1.77	331
401430235	2013	2	15	1	V	18.7	1	1.71	313
401430235	2013	2	15	2	V	10.9	2	3.13	323
401430235	2013	2	15	3	V	1.9	1	3.42	349
401430235	2013	2	15	4	V	5.8	0	3	334
401430235	2013	2	15	5	V	9.9	0	2.39	327
401430235	2013	2	15	6	V	9.1	0	2.52	325
401430235	2013	2	15	7	V	1.8	0	2.62	341
401430235	2013	2	15	8	V	2.4	0	4.12	350
401430235	2013	2	15	9	V	2.0	0	4.41	350
401430235	2013	2	15	10	V	3.0	0	3.86	354
401430235	2013	2	15	11	V	2.9	0	3.85	354
401430235	2013	2	15	12	V	5.3	1	4.63	359
401430235	2013	2	15	13	V	6.2	0	4.65	15
401430235	2013	2	15	14	V	2.8	-999	4.58	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	15	15	V	1.9	-999	3.59	16
401430235	2013	2	15	16	V	3.2	0	4.24	353
401430235	2013	2	15	17	V	3.7	4	3.39	346
401430235	2013	2	15	18	V	5.1	1	2.83	341
401430235	2013	2	15	19	V	10.2	3	2.33	331
401430235	2013	2	15	20	V	15.3	0	1.5	327
401430235	2013	2	15	21	V	3.4	0	0.94	286
401430235	2013	2	15	22	V	3.3	0	0.7	256
401430235	2013	2	15	23	V	4.0	1	0.94	244
401430235	2013	2	15	24	V	3.3	0	1.37	229
401430235	2013	2	16	1	V	2.3	0	1.94	267
401430235	2013	2	16	2	V	4.4	0	3.44	301
401430235	2013	2	16	3	V	1.9	0	3.23	350
401430235	2013	2	16	4	V	10.7	0	2.11	330
401430235	2013	2	16	5	V	12.2	1	1.89	324
401430235	2013	2	16	6	V	7.5	4	1.74	305
401430235	2013	2	16	7	V	3.0	0	1.65	299
401430235	2013	2	16	8	V	2.8	0	1.23	286
401430235	2013	2	16	9	V	9.9	4	2.33	318
401430235	2013	2	16	10	V	4.9	5	3.42	337
401430235	2013	2	16	11	V	8.1	0	2.5	315
401430235	2013	2	16	12	V	5.6	2	1.86	6
401430235	2013	2	16	13	V	6.3	4	1.98	197
401430235	2013	2	16	14	V	3.0	0	2.52	170
401430235	2013	2	16	15	V	2.0	0	3.42	181
401430235	2013	2	16	16	V	3.3	0	4.73	182
401430235	2013	2	16	17	V	3.5	0	5.63	189
401430235	2013	2	16	18	V	4.3	0	4.22	183
401430235	2013	2	16	19	V	2.9	0	2.95	173
401430235	2013	2	16	20	V	2.4	0	2.61	163
401430235	2013	2	16	21	V	2.7	0	1.93	165
401430235	2013	2	16	22	V	2.8	0	1.99	170
401430235	2013	2	16	23	V	4.1	0	1.25	175
401430235	2013	2	16	24	V	3.4	0	1.7	168
401430235	2013	2	17	1	V	2.4	0	1.74	158
401430235	2013	2	17	2	V	2.4	0	1.94	159
401430235	2013	2	17	3	V	2.0	0	1.81	168
401430235	2013	2	17	4	V	2.0	0	1.91	163
401430235	2013	2	17	5	V	2.2	0	1.81	170
401430235	2013	2	17	6	V	2.3	0	1.31	180
401430235	2013	2	17	7	V	2.1	0	1.2	170
401430235	2013	2	17	8	V	2.6	0	1.38	175
401430235	2013	2	17	9	V	2.1	0	3.23	169
401430235	2013	2	17	10	V	3.1	0	4.87	185
401430235	2013	2	17	11	V	3.0	0	5.34	185
401430235	2013	2	17	12	V	5.5	0	5.67	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	17	13	V	6.3	0	5.17	183
401430235	2013	2	17	14	V	3.0	0	5.75	189
401430235	2013	2	17	15	V	2.0	0	6.67	187
401430235	2013	2	17	16	V	3.3	0	8.05	186
401430235	2013	2	17	17	V	3.5	0	7.43	187
401430235	2013	2	17	18	V	4.4	0	5.87	188
401430235	2013	2	17	19	V	2.9	0	6.11	184
401430235	2013	2	17	20	V	2.4	0	6.14	178
401430235	2013	2	17	21	V	2.6	0	6.97	177
401430235	2013	2	17	22	V	2.7	0	7.96	180
401430235	2013	2	17	23	V	3.9	0	9.05	185
401430235	2013	2	17	24	V	3.3	0	7.03	190
401430235	2013	2	18	1	V	2.5	0	9	195
401430235	2013	2	18	2	V	2.6	0	9.08	191
401430235	2013	2	18	3	V	2.1	0	8.71	192
401430235	2013	2	18	4	V	2.0	0	9.05	188
401430235	2013	2	18	5	V	2.2	0	8.27	189
401430235	2013	2	18	6	V	2.1	0	8.11	186
401430235	2013	2	18	7	V	1.8	0	7.69	191
401430235	2013	2	18	8	V	2.5	0	7.79	194
401430235	2013	2	18	9	V	2.1	0	7.83	196
401430235	2013	2	18	10	V	3.0	0	7.65	198
401430235	2013	2	18	11	V	2.9	0	7.81	201
401430235	2013	2	18	12	V	5.3	0	6.48	257
401430235	2013	2	18	13	V	6.2	0	6.89	282
401430235	2013	2	18	14	V	3.8	4	6.5	300
401430235	2013	2	18	15	V	5.4	8	6.52	313
401430235	2013	2	18	16	V	7.0	10	6.45	314
401430235	2013	2	18	17	V	7.3	7	6.14	323
401430235	2013	2	18	18	V	7.3	9	5.39	336
401430235	2013	2	18	19	V	11.0	4	2.11	328
401430235	2013	2	18	20	V	5.6	9	2.47	335
401430235	2013	2	18	21	V	2.6	0	3.47	351
401430235	2013	2	18	22	V	2.7	0	3.98	358
401430235	2013	2	18	23	V	3.7	0	3.3	13
401430235	2013	2	18	24	V	3.2	0	3.56	19
401430235	2013	2	19	1	V	2.4	0	1.57	11
401430235	2013	2	19	2	V	2.4	0	2.98	28
401430235	2013	2	19	3	V	14.7	0	1.33	329
401430235	2013	2	19	4	V	14.0	0	0.92	308
401430235	2013	2	19	5	V	6.6	0	1.03	339
401430235	2013	2	19	6	V	2.9	0	0.67	279
401430235	2013	2	19	7	V	2.1	0	0.75	267
401430235	2013	2	19	8	V	3.0	0	0.7	265
401430235	2013	2	19	9	V	2.6	0	0.94	243
401430235	2013	2	19	10	V	6.5	1	1.48	294

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	19	11	V	2.9	2	2.91	358
401430235	2013	2	19	12	V	5.4	0	3.64	12
401430235	2013	2	19	13	V	6.4	0	2.54	358
401430235	2013	2	19	14	V	5.3	0	3.44	37
401430235	2013	2	19	15	V	2.6	0	2.71	52
401430235	2013	2	19	16	V	3.5	0	2.35	56
401430235	2013	2	19	17	V	4.6	0	1.76	48
401430235	2013	2	19	18	V	4.5	0	1.5	31
401430235	2013	2	19	19	V	2.9	0	3.17	96
401430235	2013	2	19	20	V	2.4	0	2.74	105
401430235	2013	2	19	21	V	2.6	0	2.47	84
401430235	2013	2	19	22	V	2.7	0	2.52	83
401430235	2013	2	19	23	V	3.7	0	2.01	89
401430235	2013	2	19	24	V	3.2	0	2.13	88
401430235	2013	2	20	1	V	2.3	0	2.52	72
401430235	2013	2	20	2	V	2.4	0	2.84	73
401430235	2013	2	20	3	V	1.9	0	3.46	84
401430235	2013	2	20	4	V	1.9	0	3.03	85
401430235	2013	2	20	5	V	2.1	0	2.57	79
401430235	2013	2	20	6	V	2.0	0	3.23	87
401430235	2013	2	20	7	V	1.6	0	2.11	58
401430235	2013	2	20	8	V	6.9	0	1.43	44
401430235	2013	2	20	9	V	2.0	0	2.44	65
401430235	2013	2	20	10	V	6.2	0	2.11	46
401430235	2013	2	20	11	V	2.9	0	2.46	79
401430235	2013	2	20	12	V	5.4	0	3.69	73
401430235	2013	2	20	13	V	6.2	0	4.36	93
401430235	2013	2	20	14	V	2.9	0	3.46	89
401430235	2013	2	20	15	V	1.9	0	3.81	67
401430235	2013	2	20	16	V	3.1	0	3.98	81
401430235	2013	2	20	17	V	3.3	0	3.49	95
401430235	2013	2	20	18	V	4.3	0	3.17	99
401430235	2013	2	20	19	V	2.9	0	3.64	111
401430235	2013	2	20	20	V	2.4	0	3.42	114
401430235	2013	2	20	21	V	2.6	0	3.9	115
401430235	2013	2	20	22	V	2.7	0	4.54	118
401430235	2013	2	20	23	V	3.7	0	4.46	111
401430235	2013	2	20	24	V	3.2	0	4.94	108
401430235	2013	2	21	1	V	2.3	0	4.73	102
401430235	2013	2	21	2	V	2.4	0	5.21	81
401430235	2013	2	21	3	V	1.9	0	5.62	81
401430235	2013	2	21	4	V	1.9	0	5.34	93
401430235	2013	2	21	5	V	2.1	0	5.29	100
401430235	2013	2	21	6	V	2.0	0	3.97	93
401430235	2013	2	21	7	V	1.6	0	2.08	357
401430235	2013	2	21	8	V	2.4	0	2.71	1

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	21	9	V	2.3	0	3.66	28
401430235	2013	2	21	10	V	3.0	0	2.93	58
401430235	2013	2	21	11	V	2.8	0	4.48	87
401430235	2013	2	21	12	V	5.3	0	4.56	96
401430235	2013	2	21	13	V	6.2	0	5.07	132
401430235	2013	2	21	14	V	2.8	0	4.29	143
401430235	2013	2	21	15	V	2.0	0	3.68	168
401430235	2013	2	21	16	V	3.3	0	2.81	183
401430235	2013	2	21	17	V	3.4	0	2.49	184
401430235	2013	2	21	18	V	4.4	0	1.79	192
401430235	2013	2	21	19	V	3.1	0	1.4	210
401430235	2013	2	21	20	V	2.4	0	2.25	245
401430235	2013	2	21	21	V	2.6	0	3.01	264
401430235	2013	2	21	22	V	2.7	0	3.9	277
401430235	2013	2	21	23	V	3.7	0	3.44	271
401430235	2013	2	21	24	V	3.2	0	3.69	275
401430235	2013	2	22	1	V	2.3	0	3.58	282
401430235	2013	2	22	2	V	2.4	0	2.71	279
401430235	2013	2	22	3	V	2.2	0	2.32	292
401430235	2013	2	22	4	V	2.2	0	2.27	292
401430235	2013	2	22	5	V	2.1	0	1.96	260
401430235	2013	2	22	6	V	2.9	0	1.69	296
401430235	2013	2	22	7	V	1.7	0	1.3	265
401430235	2013	2	22	8	V	2.5	0	1.43	279
401430235	2013	2	22	9	V	2.1	0	2.06	277
401430235	2013	2	22	10	V	8.1	0	2.86	310
401430235	2013	2	22	11	V	8.4	2	2.88	318
401430235	2013	2	22	12	V	7.4	3	2.64	299
401430235	2013	2	22	13	V	7.0	4	2.98	293
401430235	2013	2	22	14	V	7.2	4	2.66	321
401430235	2013	2	22	15	V	5.4	3	2.64	328
401430235	2013	2	22	16	V	7.9	2	2.76	320
401430235	2013	2	22	17	V	7.2	4	2.66	330
401430235	2013	2	22	18	V	4.5	5	2.59	345
401430235	2013	2	22	19	V	4.4	0	2.18	338
401430235	2013	2	22	20	V	3.6	0	1.94	339
401430235	2013	2	22	21	V	10.2	0	2.06	332
401430235	2013	2	22	22	V	20.3	0	1.48	315
401430235	2013	2	22	23	V	19.5	0	0.89	325
401430235	2013	2	22	24	V	5.9	0	0.79	344
401430235	2013	2	23	1	V	2.6	0	1.03	352
401430235	2013	2	23	2	V	4.0	0	0.79	347
401430235	2013	2	23	3	V	2.3	0	0.84	7
401430235	2013	2	23	4	V	15.6	0	1.18	329
401430235	2013	2	23	5	V	17.5	0	1.25	323
401430235	2013	2	23	6	V	19.2	0	1.04	318

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	23	7	V	4.2	0	0.67	290
401430235	2013	2	23	8	V	11.6	0	0.75	303
401430235	2013	2	23	9	V	2.3	0	1.55	17
401430235	2013	2	23	10	V	4.3	0	1.09	68
401430235	2013	2	23	11	V	3.7	3	1.2	82
401430235	2013	2	23	12	V	6.0	9	1.48	179
401430235	2013	2	23	13	V	6.6	1	1.64	165
401430235	2013	2	23	14	V	3.1	0	2.4	183
401430235	2013	2	23	15	V	2.2	0	1.55	154
401430235	2013	2	23	16	V	3.4	0	1.6	128
401430235	2013	2	23	17	V	3.7	0	1.16	121
401430235	2013	2	23	18	V	4.4	0	1.67	105
401430235	2013	2	23	19	V	3.0	0	1.79	156
401430235	2013	2	23	20	V	2.5	0	1.54	135
401430235	2013	2	23	21	V	3.8	-999	0.63	163
401430235	2013	2	23	22	C	-999	-999	0	0
401430235	2013	2	23	23	V	13.0	0	0.6	302
401430235	2013	2	23	24	V	17.9	0	0.57	310
401430235	2013	2	24	1	C	-999	0	0	0
401430235	2013	2	24	2	V	3.3	0	0.58	78
401430235	2013	2	24	3	V	2.4	0	0.75	18
401430235	2013	2	24	4	V	2.3	0	0.86	84
401430235	2013	2	24	5	V	2.3	0	1.11	71
401430235	2013	2	24	6	V	2.4	0	0.79	251
401430235	2013	2	24	7	V	2.9	0	0.57	44
401430235	2013	2	24	8	V	2.8	0	0.79	231
401430235	2013	2	24	9	V	2.5	0	1.31	166
401430235	2013	2	24	10	V	3.0	0	3.8	148
401430235	2013	2	24	11	V	2.9	0	4.78	150
401430235	2013	2	24	12	V	5.4	0	5.97	163
401430235	2013	2	24	13	V	6.2	0	6.18	163
401430235	2013	2	24	14	V	2.8	-999	6.57	149
401430235	2013	2	24	15	V	1.8	-999	6.74	141
401430235	2013	2	24	16	V	3.1	-999	7.23	129
401430235	2013	2	24	17	V	3.3	-999	7.57	117
401430235	2013	2	24	18	V	4.3	-999	5.02	131
401430235	2013	2	24	19	V	2.9	-999	4.07	122
401430235	2013	2	24	20	V	2.4	-999	3.01	114
401430235	2013	2	24	21	V	2.6	-999	2.5	105
401430235	2013	2	24	22	V	2.7	0	3	107
401430235	2013	2	24	23	V	3.7	0	2.47	59
401430235	2013	2	24	24	V	3.3	0	2.69	49
401430235	2013	2	25	1	V	2.3	0	3.13	94
401430235	2013	2	25	2	V	2.4	0	3.69	97
401430235	2013	2	25	3	V	1.9	0	3.81	86
401430235	2013	2	25	4	V	1.9	0	2.95	67

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	25	5	V	7.0	0	3.34	41
401430235	2013	2	25	6	V	4.7	0	4.41	44
401430235	2013	2	25	7	V	5.7	0	3.76	39
401430235	2013	2	25	8	V	2.4	0	4.16	9
401430235	2013	2	25	9	M	-999	0	999	999
401430235	2013	2	25	10	V	2.9	0	5.22	357
401430235	2013	2	25	11	V	2.9	0	3.83	354
401430235	2013	2	25	12	V	5.3	-999	8.11	27
401430235	2013	2	25	13	V	7.6	-999	8.05	38
401430235	2013	2	25	14	V	4.9	0	7.69	40
401430235	2013	2	25	15	V	3.3	0	8.59	42
401430235	2013	2	25	16	V	4.5	0	9.2	41
401430235	2013	2	25	17	V	5.5	0	7.21	41
401430235	2013	2	25	18	V	5.0	0	6.4	33
401430235	2013	2	25	19	V	2.9	0	5.51	24
401430235	2013	2	25	20	V	2.4	0	4.63	11
401430235	2013	2	25	21	V	2.6	0	4.36	5
401430235	2013	2	25	22	V	2.7	0	5.14	1
401430235	2013	2	25	23	V	3.7	0	5.9	359
401430235	2013	2	25	24	V	3.2	0	6.09	358
401430235	2013	2	26	1	V	2.3	0	5.7	353
401430235	2013	2	26	2	V	2.7	0	4.99	346
401430235	2013	2	26	3	V	3.4	0	5.12	340
401430235	2013	2	26	4	V	8.4	0	4.29	328
401430235	2013	2	26	5	V	7.0	0	4.8	331
401430235	2013	2	26	6	V	7.3	0	5.1	330
401430235	2013	2	26	7	V	6.1	0	4.82	332
401430235	2013	2	26	8	V	9.4	0	4.34	327
401430235	2013	2	26	9	V	7.2	0	4.15	321
401430235	2013	2	26	10	V	7.5	0	4.34	325
401430235	2013	2	26	11	V	6.9	0	4.87	309
401430235	2013	2	26	12	V	10.2	0	5.16	319
401430235	2013	2	26	13	V	10.1	1	4.93	326
401430235	2013	2	26	14	V	7.3	0	4.12	325
401430235	2013	2	26	15	V	6.1	1	3.69	309
401430235	2013	2	26	16	V	6.3	2	3.95	306
401430235	2013	2	26	17	V	9.2	3	3.9	315
401430235	2013	2	26	18	V	13.8	1	3.22	324
401430235	2013	2	26	19	V	12.3	0	2.54	326
401430235	2013	2	26	20	V	14.7	0	2.55	316
401430235	2013	2	26	21	V	9.7	0	2.3	307
401430235	2013	2	26	22	V	2.7	0	1.64	350
401430235	2013	2	26	23	V	21.7	0	1.35	313
401430235	2013	2	26	24	V	10.9	0	1.13	304
401430235	2013	2	27	1	V	3.6	0	0.89	288
401430235	2013	2	27	2	V	10.8	0	1.5	306

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	2	27	3	V	2.5	0	2.03	298
401430235	2013	2	27	4	V	3.8	0	2.23	301
401430235	2013	2	27	5	V	3.2	0	1.77	300
401430235	2013	2	27	6	V	2.1	0	1.77	283
401430235	2013	2	27	7	V	1.7	0	1.87	284
401430235	2013	2	27	8	V	2.5	0	2.27	288
401430235	2013	2	27	9	V	3.7	0	2.73	299
401430235	2013	2	27	10	V	3.5	0	3.13	296
401430235	2013	2	27	11	V	6.4	0	3.93	308
401430235	2013	2	27	12	V	9.1	1	4.58	309
401430235	2013	2	27	13	V	7.6	1	4.7	301
401430235	2013	2	27	14	V	3.9	1	4.78	299
401430235	2013	2	27	15	V	3.0	9	5.36	300
401430235	2013	2	27	16	V	5.7	9	5.51	306
401430235	2013	2	27	17	V	6.8	6	5.19	328
401430235	2013	2	27	18	V	13.1	9	4.29	322
401430235	2013	2	27	19	V	12.6	10	2.79	316
401430235	2013	2	27	20	V	4.0	3	2.69	304
401430235	2013	2	27	21	V	2.8	0	2.86	298
401430235	2013	2	27	22	V	2.9	0	2.88	296
401430235	2013	2	27	23	V	10.9	1	3.12	308
401430235	2013	2	27	24	V	10.1	0	2.96	308
401430235	2013	2	28	1	V	12.4	0	2.35	318
401430235	2013	2	28	2	V	8.3	0	1.67	305
401430235	2013	2	28	3	V	2.1	0	1.08	271
401430235	2013	2	28	4	V	2.1	0	1.09	228
401430235	2013	2	28	5	V	2.4	0	1.21	223
401430235	2013	2	28	6	V	2.2	0	1.18	280
401430235	2013	2	28	7	V	1.7	0	1.55	275
401430235	2013	2	28	8	V	2.9	0	1.98	293
401430235	2013	2	28	9	V	6.4	3	3.01	308
401430235	2013	2	28	10	V	5.3	2	3.95	332
401430235	2013	2	28	11	V	5.7	0	4.07	332
401430235	2013	2	28	12	V	9.1	2	4.19	314
401430235	2013	2	28	13	V	9.8	5	4.19	315
401430235	2013	2	28	14	V	6.5	4	4.14	320
401430235	2013	2	28	15	V	4.7	5	4.15	329
401430235	2013	2	28	16	V	4.1	2	4.15	341
401430235	2013	2	28	17	V	3.3	0	4.39	360
401430235	2013	2	28	18	V	4.3	0	3.97	4
401430235	2013	2	28	19	V	3.0	0	3.75	350
401430235	2013	2	28	20	V	2.4	0	4.19	5
401430235	2013	2	28	21	V	2.6	0	2.96	354
401430235	2013	2	28	22	V	2.7	0	2.91	353
401430235	2013	2	28	23	V	4.0	0	3.37	347
401430235	2013	2	28	24	V	3.4	0	3.35	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	1	1	V	1.7	0	3.08	347
401430235	2013	3	1	2	V	1.0	0	3.46	354
401430235	2013	3	1	3	V	1.8	0	3.1	342
401430235	2013	3	1	4	V	0.7	0	3.15	351
401430235	2013	3	1	5	V	1.7	0	3.64	348
401430235	2013	3	1	6	V	1.7	0	2.32	341
401430235	2013	3	1	7	V	7.2	0	2.61	331
401430235	2013	3	1	8	V	15.0	0	2.44	318
401430235	2013	3	1	9	V	4.1	2	3.3	328
401430235	2013	3	1	10	V	2.7	1	4.48	345
401430235	2013	3	1	11	V	2.4	1	3.69	344
401430235	2013	3	1	12	V	2.2	0	3.85	357
401430235	2013	3	1	13	V	2.4	0	3.97	353
401430235	2013	3	1	14	V	2.4	0	4.37	355
401430235	2013	3	1	15	V	2.3	2	4.61	342
401430235	2013	3	1	16	V	4.8	3	4.78	330
401430235	2013	3	1	17	V	6.5	1	4.37	331
401430235	2013	3	1	18	V	4.1	2	4.22	348
401430235	2013	3	1	19	V	2.1	0	4.37	345
401430235	2013	3	1	20	V	2.9	0	5.16	8
401430235	2013	3	1	21	V	2.7	0	4.63	8
401430235	2013	3	1	22	V	1.4	0	4.97	5
401430235	2013	3	1	23	V	1.1	0	3.93	354
401430235	2013	3	1	24	V	1.6	0	3.2	350
401430235	2013	3	2	1	V	1.3	0	4.03	355
401430235	2013	3	2	2	V	0.9	0	3.91	357
401430235	2013	3	2	3	V	0.5	0	4.39	358
401430235	2013	3	2	4	V	0.7	0	3.2	350
401430235	2013	3	2	5	V	6.6	0	3.2	332
401430235	2013	3	2	6	V	11.5	0	2.15	315
401430235	2013	3	2	7	V	14.2	0	1.62	311
401430235	2013	3	2	8	V	11.7	0	1.99	328
401430235	2013	3	2	9	V	1.3	0	3.58	360
401430235	2013	3	2	10	V	2.7	0	3.64	350
401430235	2013	3	2	11	V	2.5	0	3.15	346
401430235	2013	3	2	12	V	2.3	0	2.89	7
401430235	2013	3	2	13	V	4.1	1	1.88	328
401430235	2013	3	2	14	V	3.7	0	2.79	32
401430235	2013	3	2	15	V	3.6	0	2.33	328
401430235	2013	3	2	16	V	3.4	2	2.62	338
401430235	2013	3	2	17	V	6.8	3	2.55	319
401430235	2013	3	2	18	V	4.8	2	1.74	343
401430235	2013	3	2	19	V	15.4	0	0.86	325
401430235	2013	3	2	20	V	3.6	0	0.77	192
401430235	2013	3	2	21	C	-999	0	0	0
401430235	2013	3	2	22	V	2.6	0	0.55	160

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	2	23	V	1.6	0	0.84	207
401430235	2013	3	2	24	C	-999	0	0	0
401430235	2013	3	3	1	V	2.0	0	0.87	178
401430235	2013	3	3	2	C	-999	0	0	0
401430235	2013	3	3	3	C	-999	0	0	0
401430235	2013	3	3	4	V	1.8	0	0.53	218
401430235	2013	3	3	5	C	-999	0	0	0
401430235	2013	3	3	6	V	0.7	0	1.69	165
401430235	2013	3	3	7	V	1.1	0	2.5	165
401430235	2013	3	3	8	V	4.0	0	2.74	167
401430235	2013	3	3	9	V	1.4	0	4.61	171
401430235	2013	3	3	10	V	2.5	0	6.7	187
401430235	2013	3	3	11	V	2.0	0	8.44	188
401430235	2013	3	3	12	V	2.3	0	7.81	180
401430235	2013	3	3	13	V	2.4	0	6.69	181
401430235	2013	3	3	14	V	2.4	0	6.46	182
401430235	2013	3	3	15	V	1.8	0	6.28	182
401430235	2013	3	3	16	V	2.1	0	6.69	175
401430235	2013	3	3	17	V	3.7	0	6.77	166
401430235	2013	3	3	18	V	3.7	1	6.65	165
401430235	2013	3	3	19	V	1.5	1	5.04	160
401430235	2013	3	3	20	V	2.9	1	5.43	159
401430235	2013	3	3	21	V	2.7	1	5.5	159
401430235	2013	3	3	22	V	1.4	1	4.88	160
401430235	2013	3	3	23	V	1.1	0	5	153
401430235	2013	3	3	24	V	1.5	0	4.65	155
401430235	2013	3	4	1	V	1.3	0	3.98	156
401430235	2013	3	4	2	V	0.9	0	3.29	158
401430235	2013	3	4	3	V	0.4	0	3.1	157
401430235	2013	3	4	4	V	0.5	0	4.24	168
401430235	2013	3	4	5	V	1.4	0	3.52	161
401430235	2013	3	4	6	V	0.5	0	3.18	156
401430235	2013	3	4	7	V	1.1	0	4.1	163
401430235	2013	3	4	8	V	4.0	0	2.89	162
401430235	2013	3	4	9	V	1.4	0	3.81	158
401430235	2013	3	4	10	V	2.5	0	4.6	166
401430235	2013	3	4	11	V	2.1	0	4.22	177
401430235	2013	3	4	12	V	2.4	0	3.17	172
401430235	2013	3	4	13	V	2.6	0	2.27	181
401430235	2013	3	4	14	V	2.6	0	2.1	149
401430235	2013	3	4	15	V	2.0	0	1.81	153
401430235	2013	3	4	16	V	2.9	0	1.26	334
401430235	2013	3	4	17	V	5.4	4	1.64	304
401430235	2013	3	4	18	V	12.3	2	2.08	307
401430235	2013	3	4	19	V	3.3	0	2.76	337
401430235	2013	3	4	20	V	3.2	0	5.07	347

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	4	21	V	3.1	0	4.88	346
401430235	2013	3	4	22	V	1.7	0	5.65	348
401430235	2013	3	4	23	V	1.9	0	6.07	344
401430235	2013	3	4	24	V	1.7	0	6.67	350
401430235	2013	3	5	1	V	1.4	0	5.46	352
401430235	2013	3	5	2	V	1.5	0	5.97	346
401430235	2013	3	5	3	V	2.1	0	4.17	340
401430235	2013	3	5	4	V	1.3	0	3.37	344
401430235	2013	3	5	5	V	6.8	0	3.58	327
401430235	2013	3	5	6	V	6.5	2	4.68	328
401430235	2013	3	5	7	V	3.0	2	4.8	338
401430235	2013	3	5	8	V	7.7	1	5.87	335
401430235	2013	3	5	9	V	2.3	2	5.94	338
401430235	2013	3	5	10	V	4.5	5	6.18	328
401430235	2013	3	5	11	V	4.4	8	6.06	323
401430235	2013	3	5	12	V	4.7	6	5.79	321
401430235	2013	3	5	13	V	4.7	9	5.65	313
401430235	2013	3	5	14	V	3.8	10	4.85	304
401430235	2013	3	5	15	V	4.2	7	5.19	317
401430235	2013	3	5	16	V	4.7	12	5.31	316
401430235	2013	3	5	17	V	6.9	11	4.66	317
401430235	2013	3	5	18	V	12.1	16	4.71	312
401430235	2013	3	5	19	V	5.5	25	3.13	305
401430235	2013	3	5	20	V	13.8	25	2.3	312
401430235	2013	3	5	21	V	9.4	28	2.54	320
401430235	2013	3	5	22	V	7.8	23	2.42	325
401430235	2013	3	5	23	V	8.4	15	2.22	321
401430235	2013	3	5	24	V	2.5	8	2.71	338
401430235	2013	3	6	1	V	6.6	5	2.4	332
401430235	2013	3	6	2	V	0.9	0	2.88	350
401430235	2013	3	6	3	V	0.5	0	2.15	348
401430235	2013	3	6	4	V	0.5	0	2.38	348
401430235	2013	3	6	5	V	1.4	0	2.67	354
401430235	2013	3	6	6	V	0.5	0	2.28	10
401430235	2013	3	6	7	V	1.1	0	1.76	3
401430235	2013	3	6	8	V	4.0	0	3.34	24
401430235	2013	3	6	9	V	2.1	0	4.54	50
401430235	2013	3	6	10	V	4.4	0	2.32	49
401430235	2013	3	6	11	V	3.2	-999	1.43	352
401430235	2013	3	6	12	V	2.5	-999	1.96	81
401430235	2013	3	6	13	V	3.3	-999	2.11	54
401430235	2013	3	6	14	V	2.6	2	1.86	136
401430235	2013	3	6	15	V	2.3	2	1.35	168
401430235	2013	3	6	16	V	2.5	2	1.3	98
401430235	2013	3	6	17	V	4.0	1	1.31	103
401430235	2013	3	6	18	V	3.8	2	1.91	136

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	6	19	V	1.7	1	1.57	163
401430235	2013	3	6	20	V	2.9	0	2.79	120
401430235	2013	3	6	21	V	2.7	0	2.15	131
401430235	2013	3	6	22	V	1.4	0	1.93	118
401430235	2013	3	6	23	V	1.1	0	1.88	98
401430235	2013	3	6	24	V	1.5	0	2.25	88
401430235	2013	3	7	1	V	1.4	0	1.6	68
401430235	2013	3	7	2	V	1.0	0	1.35	18
401430235	2013	3	7	3	V	1.1	0	0.65	66
401430235	2013	3	7	4	V	0.7	0	1.3	80
401430235	2013	3	7	5	V	1.4	0	2.13	109
401430235	2013	3	7	6	V	0.8	0	1.35	164
401430235	2013	3	7	7	V	1.4	0	1.37	175
401430235	2013	3	7	8	V	4.0	0	1.81	178
401430235	2013	3	7	9	V	1.4	0	4.27	163
401430235	2013	3	7	10	V	2.5	0	6.13	168
401430235	2013	3	7	11	V	2.0	0	6.36	165
401430235	2013	3	7	12	V	2.3	0	6.8	167
401430235	2013	3	7	13	V	2.4	0	6.97	168
401430235	2013	3	7	14	V	2.4	1	6.81	167
401430235	2013	3	7	15	V	1.8	1	6.89	166
401430235	2013	3	7	16	V	2.1	1	7.25	167
401430235	2013	3	7	17	V	3.7	0	6.8	166
401430235	2013	3	7	18	V	3.7	0	6.23	164
401430235	2013	3	7	19	V	1.5	0	3.95	157
401430235	2013	3	7	20	V	2.9	0	4.39	159
401430235	2013	3	7	21	V	2.7	0	4.66	169
401430235	2013	3	7	22	V	1.4	0	4.49	168
401430235	2013	3	7	23	V	1.1	0	3.13	163
401430235	2013	3	7	24	V	1.5	0	3.1	175
401430235	2013	3	8	1	V	1.3	0	2.2	176
401430235	2013	3	8	2	V	0.9	0	2.83	160
401430235	2013	3	8	3	V	0.4	0	2.55	134
401430235	2013	3	8	4	V	0.6	0	1.84	115
401430235	2013	3	8	5	V	1.4	0	2.56	122
401430235	2013	3	8	6	V	0.5	0	3.52	131
401430235	2013	3	8	7	V	1.1	0	3.83	139
401430235	2013	3	8	8	V	3.9	0	4.32	145
401430235	2013	3	8	9	V	1.3	0	4.99	145
401430235	2013	3	8	10	V	2.4	0	5.09	153
401430235	2013	3	8	11	V	2.0	0	4.83	165
401430235	2013	3	8	12	V	2.3	0	6.53	162
401430235	2013	3	8	13	V	2.4	0	6.45	164
401430235	2013	3	8	14	V	2.4	0	6.33	158
401430235	2013	3	8	15	V	1.7	0	5.34	154
401430235	2013	3	8	16	V	2.0	0	5.44	154

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	8	17	V	3.7	0	5.84	161
401430235	2013	3	8	18	V	3.7	0	4.71	162
401430235	2013	3	8	19	V	1.5	0	4.61	162
401430235	2013	3	8	20	V	2.9	0	5.17	163
401430235	2013	3	8	21	V	2.7	0	4.26	163
401430235	2013	3	8	22	V	1.4	0	3.97	160
401430235	2013	3	8	23	V	1.1	0	5.39	159
401430235	2013	3	8	24	V	1.5	0	5.5	159
401430235	2013	3	9	1	V	1.3	0	4.59	159
401430235	2013	3	9	2	V	0.9	0	4.65	165
401430235	2013	3	9	3	V	0.5	0	3.34	166
401430235	2013	3	9	4	V	0.5	0	2.66	144
401430235	2013	3	9	5	V	1.4	0	3.25	140
401430235	2013	3	9	6	V	0.5	0	3.2	146
401430235	2013	3	9	7	V	1.1	0	3.25	154
401430235	2013	3	9	8	V	4.0	0	3.57	151
401430235	2013	3	9	9	V	1.3	0	3.85	149
401430235	2013	3	9	10	V	2.5	0	5.38	166
401430235	2013	3	9	11	V	2.0	0	6.87	168
401430235	2013	3	9	12	V	2.3	0	8.4	172
401430235	2013	3	9	13	V	2.4	0	8.45	174
401430235	2013	3	9	14	V	2.4	0	7.21	169
401430235	2013	3	9	15	V	1.8	0	6.38	163
401430235	2013	3	9	16	V	2.1	0	5.67	162
401430235	2013	3	9	17	V	3.8	0	4.54	168
401430235	2013	3	9	18	V	3.7	0	4.36	161
401430235	2013	3	9	19	V	1.5	0	4.49	179
401430235	2013	3	9	20	V	3.0	0	3.27	167
401430235	2013	3	9	21	V	2.7	0	1.86	181
401430235	2013	3	9	22	V	1.4	0	2.57	158
401430235	2013	3	9	23	V	1.1	0	1.93	179
401430235	2013	3	9	24	V	1.5	0	2.2	177
401430235	2013	3	10	1	V	1.7	0	2.23	213
401430235	2013	3	10	2	V	1.0	0	2.28	185
401430235	2013	3	10	3	V	0.5	0	4.75	192
401430235	2013	3	10	4	V	0.6	0	3.54	180
401430235	2013	3	10	5	V	1.4	0	4.2	196
401430235	2013	3	10	6	V	1.2	0	3.85	296
401430235	2013	3	10	7	V	6.1	0	3.98	306
401430235	2013	3	10	8	V	5.5	0	2.86	297
401430235	2013	3	10	9	V	1.3	0	1.76	255
401430235	2013	3	10	10	V	2.6	0	3.86	290
401430235	2013	3	10	11	M	-999	0	3.36	999
401430235	2013	3	10	12	M	-999	0	3.36	999
401430235	2013	3	10	13	V	3.4	0	3.86	299
401430235	2013	3	10	14	V	2.7	0	6.46	296

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	10	15	V	3.0	0	3.86	300
401430235	2013	3	10	16	V	4.9	0	4.36	328
401430235	2013	3	10	17	V	6.9	0	3.86	328
401430235	2013	3	10	18	M	-999	0	3.36	999
401430235	2013	3	10	19	V	5.5	0	4.14	333
401430235	2013	3	10	20	V	8.5	0	3.66	329
401430235	2013	3	10	21	V	11.0	1	3.75	316
401430235	2013	3	10	22	V	8.8	1	3.54	311
401430235	2013	3	10	23	V	6.1	1	3.56	306
401430235	2013	3	10	24	V	7.1	1	3.07	306
401430235	2013	3	11	1	V	6.8	3	2.54	305
401430235	2013	3	11	2	V	10.5	3	2.54	322
401430235	2013	3	11	3	V	8.4	2	1.89	326
401430235	2013	3	11	4	V	10.1	1	2.73	312
401430235	2013	3	11	5	V	10.1	1	1.84	324
401430235	2013	3	11	6	V	0.7	0	1.08	257
401430235	2013	3	11	7	V	1.1	0	1.64	254
401430235	2013	3	11	8	V	4.1	0	2.28	281
401430235	2013	3	11	9	V	5.5	6	3.47	315
401430235	2013	3	11	10	V	4.6	6	3.58	306
401430235	2013	3	11	11	V	2.1	1	3.59	285
401430235	2013	3	11	12	V	2.5	0	3.52	286
401430235	2013	3	11	13	V	3.0	0	3.34	292
401430235	2013	3	11	14	V	3.1	0	3.22	294
401430235	2013	3	11	15	V	3.2	0	3.66	304
401430235	2013	3	11	16	V	3.3	0	3.2	300
401430235	2013	3	11	17	V	6.5	3	3.29	315
401430235	2013	3	11	18	V	3.9	1	2.15	290
401430235	2013	3	11	19	V	1.8	0	1.16	284
401430235	2013	3	11	20	V	5.0	0	0.75	291
401430235	2013	3	11	21	V	13.5	0	0.7	307
401430235	2013	3	11	22	V	12.1	0	0.67	330
401430235	2013	3	11	23	V	1.4	0	0.82	246
401430235	2013	3	11	24	V	1.6	0	1.23	270
401430235	2013	3	12	1	V	10.6	1	1.04	333
401430235	2013	3	12	2	V	11.1	0	1.94	318
401430235	2013	3	12	3	V	0.5	0	1.23	260
401430235	2013	3	12	4	V	14.8	0	0.87	316
401430235	2013	3	12	5	V	1.7	0	0.84	17
401430235	2013	3	12	6	V	0.8	0	0.99	203
401430235	2013	3	12	7	V	1.4	0	0.91	222
401430235	2013	3	12	8	V	4.0	0	1.4	248
401430235	2013	3	12	9	V	2.3	3	1.13	35
401430235	2013	3	12	10	V	3.7	1	2.5	43
401430235	2013	3	12	11	V	2.0	0	3.46	21
401430235	2013	3	12	12	V	2.3	0	3.29	17

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	12	13	V	2.4	1	3.3	15
401430235	2013	3	12	14	V	3.5	3	2.95	333
401430235	2013	3	12	15	V	3.0	5	2.91	307
401430235	2013	3	12	16	V	3.8	10	3.76	330
401430235	2013	3	12	17	V	6.5	6	3.91	322
401430235	2013	3	12	18	V	7.0	9	3.9	329
401430235	2013	3	12	19	V	1.8	1	3.23	345
401430235	2013	3	12	20	V	3.0	0	3.03	348
401430235	2013	3	12	21	V	2.7	0	2.93	11
401430235	2013	3	12	22	V	1.4	0	4	20
401430235	2013	3	12	23	V	1.1	0	2.61	9
401430235	2013	3	12	24	V	1.5	0	1.64	6
401430235	2013	3	13	1	V	1.3	0	2.08	10
401430235	2013	3	13	2	V	1.2	0	0.82	73
401430235	2013	3	13	3	V	0.8	0	0.79	247
401430235	2013	3	13	4	V	1.3	0	0.62	258
401430235	2013	3	13	5	V	1.7	0	0.89	275
401430235	2013	3	13	6	V	1.6	0	0.65	282
401430235	2013	3	13	7	V	13.1	0	0.77	328
401430235	2013	3	13	8	V	4.0	0	2.27	14
401430235	2013	3	13	9	V	3.3	0	3.58	45
401430235	2013	3	13	10	V	2.9	0	1.74	59
401430235	2013	3	13	11	V	3.2	2	2.55	36
401430235	2013	3	13	12	V	2.7	2	2.15	55
401430235	2013	3	13	13	V	2.6	2	1.81	99
401430235	2013	3	13	14	V	2.5	1	1.89	102
401430235	2013	3	13	15	V	1.9	0	2.01	141
401430235	2013	3	13	16	V	2.1	0	2.44	126
401430235	2013	3	13	17	V	3.7	0	2.69	134
401430235	2013	3	13	18	V	3.7	0	3.44	145
401430235	2013	3	13	19	V	1.5	0	2.49	138
401430235	2013	3	13	20	V	3.0	0	1.54	158
401430235	2013	3	13	21	C	-999	0	0	0
401430235	2013	3	13	22	V	1.8	0	0.91	212
401430235	2013	3	13	23	V	1.6	0	0.77	202
401430235	2013	3	13	24	V	1.6	0	1.54	200
401430235	2013	3	14	1	V	1.7	0	0.87	205
401430235	2013	3	14	2	V	1.4	0	0.79	204
401430235	2013	3	14	3	V	0.9	0	1.04	217
401430235	2013	3	14	4	V	0.9	0	1.06	221
401430235	2013	3	14	5	V	1.8	0	0.96	214
401430235	2013	3	14	6	V	1.1	0	0.86	185
401430235	2013	3	14	7	V	1.4	0	1.18	161
401430235	2013	3	14	8	V	4.1	0	1.47	182
401430235	2013	3	14	9	V	1.4	1	3.56	188
401430235	2013	3	14	10	V	2.5	1	5.09	199

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	14	11	V	2.0	1	6.96	200
401430235	2013	3	14	12	V	2.3	1	5.44	209
401430235	2013	3	14	13	V	2.5	1	4.56	190
401430235	2013	3	14	14	V	2.4	1	4.95	210
401430235	2013	3	14	15	V	1.8	1	5.05	214
401430235	2013	3	14	16	V	2.1	1	4.97	216
401430235	2013	3	14	17	V	3.7	1	4.8	210
401430235	2013	3	14	18	V	3.8	0	3.92	200
401430235	2013	3	14	19	V	1.5	0	2.59	193
401430235	2013	3	14	20	V	2.9	0	1.98	202
401430235	2013	3	14	21	V	3.1	0	1.37	220
401430235	2013	3	14	22	V	2.3	0	0.57	228
401430235	2013	3	14	23	V	1.7	0	0.72	214
401430235	2013	3	14	24	V	1.7	0	1.11	201
401430235	2013	3	15	1	V	1.7	0	0.87	205
401430235	2013	3	15	2	V	1.2	0	1.01	202
401430235	2013	3	15	3	V	0.7	0	1.33	185
401430235	2013	3	15	4	V	1.7	0	0.52	206
401430235	2013	3	15	5	V	2.5	0	0.51	5
401430235	2013	3	15	6	M	-999	0	999	999
401430235	2013	3	15	7	M	-999	0	999	999
401430235	2013	3	15	8	V	4.3	0	0.75	127
401430235	2013	3	15	9	V	1.4	0	3.46	187
401430235	2013	3	15	10	V	2.5	0	4.9	188
401430235	2013	3	15	11	V	2.0	0	5.03	217
401430235	2013	3	15	12	V	2.2	0	5.29	221
401430235	2013	3	15	13	V	2.4	0	5.7	210
401430235	2013	3	15	14	V	2.4	1	6.12	216
401430235	2013	3	15	15	V	1.7	1	7.32	216
401430235	2013	3	15	16	V	2.0	1	7.3	214
401430235	2013	3	15	17	V	3.7	1	7.06	212
401430235	2013	3	15	18	V	3.7	0	5.94	215
401430235	2013	3	15	19	V	1.5	0	4.9	203
401430235	2013	3	15	20	V	2.9	0	4.46	185
401430235	2013	3	15	21	V	2.7	0	4.39	189
401430235	2013	3	15	22	V	1.4	0	4.36	195
401430235	2013	3	15	23	V	1.1	0	4.71	195
401430235	2013	3	15	24	V	1.5	0	4.39	193
401430235	2013	3	16	1	V	1.3	0	4.05	190
401430235	2013	3	16	2	V	0.9	0	3.51	187
401430235	2013	3	16	3	V	0.5	0	3.37	190
401430235	2013	3	16	4	V	0.6	0	3.42	184
401430235	2013	3	16	5	V	1.4	0	3.78	186
401430235	2013	3	16	6	V	0.5	0	2.61	180
401430235	2013	3	16	7	V	1.1	0	1.47	50
401430235	2013	3	16	8	V	4.1	0	1.2	25

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	16	9	V	1.6	0	1.82	140
401430235	2013	3	16	10	V	2.5	0	2.2	126
401430235	2013	3	16	11	V	2.1	0	2.04	115
401430235	2013	3	16	12	V	2.5	0	1.64	144
401430235	2013	3	16	13	V	2.4	0	2.45	61
401430235	2013	3	16	14	V	2.3	1	6.79	29
401430235	2013	3	16	15	V	1.7	1	6.55	24
401430235	2013	3	16	16	V	2.0	0	8.1	23
401430235	2013	3	16	17	V	3.6	0	8.18	27
401430235	2013	3	16	18	V	3.7	0	8.08	25
401430235	2013	3	16	19	V	1.5	0	7.83	26
401430235	2013	3	16	20	V	2.9	0	7.18	27
401430235	2013	3	16	21	V	2.7	0	7.98	28
401430235	2013	3	16	22	V	1.4	0	7.04	28
401430235	2013	3	16	23	V	1.1	0	6.79	27
401430235	2013	3	16	24	V	1.5	0	6.75	22
401430235	2013	3	17	1	V	1.3	0	7.18	20
401430235	2013	3	17	2	V	0.9	0	7.96	28
401430235	2013	3	17	3	V	0.5	0	6.38	21
401430235	2013	3	17	4	V	0.6	0	6.91	19
401430235	2013	3	17	5	V	1.4	0	6.92	20
401430235	2013	3	17	6	V	0.5	0	7.35	28
401430235	2013	3	17	7	V	1.1	0	5.99	30
401430235	2013	3	17	8	V	3.9	0	5.28	30
401430235	2013	3	17	9	V	1.2	0	4.73	35
401430235	2013	3	17	10	V	2.4	0	4.51	34
401430235	2013	3	17	11	V	1.9	0	3.97	26
401430235	2013	3	17	12	V	2.2	0	3.73	27
401430235	2013	3	17	13	V	2.5	0	2.74	355
401430235	2013	3	17	14	V	3.8	0	2.57	339
401430235	2013	3	17	15	V	5.1	0	2.32	326
401430235	2013	3	17	16	V	5.9	0	2.16	323
401430235	2013	3	17	17	V	5.9	0	2.06	335
401430235	2013	3	17	18	V	13.6	0	1.57	327
401430235	2013	3	17	19	V	1.6	0	1.06	275
401430235	2013	3	17	20	V	3.1	0	0.86	269
401430235	2013	3	17	21	V	2.8	0	1.26	242
401430235	2013	3	17	22	V	1.4	0	1.69	230
401430235	2013	3	17	23	V	1.5	0	0.69	271
401430235	2013	3	17	24	V	1.6	0	1.03	55
401430235	2013	3	18	1	V	1.4	0	1.31	360
401430235	2013	3	18	2	V	0.9	0	2.79	6
401430235	2013	3	18	3	V	0.4	0	3.49	2
401430235	2013	3	18	4	V	0.5	0	2.83	360
401430235	2013	3	18	5	V	4.5	0	2.47	337
401430235	2013	3	18	6	V	3.8	0	1.31	338

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	18	7	V	2.7	0	1.89	338
401430235	2013	3	18	8	V	6.6	0	2.59	334
401430235	2013	3	18	9	V	2.1	0	4.17	340
401430235	2013	3	18	10	V	2.5	0	4.32	347
401430235	2013	3	18	11	V	1.9	0	4	353
401430235	2013	3	18	12	V	2.2	0	4.75	16
401430235	2013	3	18	13	V	2.3	0	4.85	14
401430235	2013	3	18	14	V	2.3	0	4.46	19
401430235	2013	3	18	15	V	1.7	0	3.78	5
401430235	2013	3	18	16	V	2.5	0	3.76	347
401430235	2013	3	18	17	V	4.0	1	3.76	348
401430235	2013	3	18	18	V	3.7	0	3.41	354
401430235	2013	3	18	19	V	1.5	0	2.33	359
401430235	2013	3	18	20	V	2.9	0	1.98	13
401430235	2013	3	18	21	V	18.1	0	0.99	316
401430235	2013	3	18	22	V	2.5	0	0.55	277
401430235	2013	3	18	23	V	1.7	0	0.62	231
401430235	2013	3	18	24	V	6.3	0	0.7	297
401430235	2013	3	19	1	C	-999	0	0	0
401430235	2013	3	19	2	V	12.4	0	0.8	309
401430235	2013	3	19	3	V	11.4	0	1.08	331
401430235	2013	3	19	4	V	0.6	0	1.65	13
401430235	2013	3	19	5	V	1.4	0	1.67	3
401430235	2013	3	19	6	V	0.5	0	3.51	16
401430235	2013	3	19	7	V	1.1	0	3.57	28
401430235	2013	3	19	8	V	3.9	0	4.07	37
401430235	2013	3	19	9	V	1.3	1	4.83	67
401430235	2013	3	19	10	V	2.4	-999	5.04	80
401430235	2013	3	19	11	V	1.9	-999	4.83	87
401430235	2013	3	19	12	V	2.2	-999	3.98	98
401430235	2013	3	19	13	V	2.4	-999	3.06	140
401430235	2013	3	19	14	V	2.4	-999	3.75	167
401430235	2013	3	19	15	V	1.8	-999	2.61	171
401430235	2013	3	19	16	V	2.2	-999	1.82	150
401430235	2013	3	19	17	V	4.0	-999	1.01	99
401430235	2013	3	19	18	V	3.8	-999	1.28	70
401430235	2013	3	19	19	V	1.5	-999	5.05	31
401430235	2013	3	19	20	V	2.9	-999	6.91	29
401430235	2013	3	19	21	V	2.7	-999	6.31	35
401430235	2013	3	19	22	V	1.4	-999	5.12	43
401430235	2013	3	19	23	V	1.1	-999	4.2	46
401430235	2013	3	19	24	V	1.5	-999	2.42	24
401430235	2013	3	20	1	V	1.3	-999	1.62	13
401430235	2013	3	20	2	V	0.9	-999	1.69	1
401430235	2013	3	20	3	V	0.4	-999	1.94	9
401430235	2013	3	20	4	V	0.6	-999	1.57	358

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	20	5	V	1.5	-999	1.38	3
401430235	2013	3	20	6	V	0.8	-999	0.96	352
401430235	2013	3	20	7	V	1.1	-999	1.47	350
401430235	2013	3	20	8	V	4.0	-999	2.67	355
401430235	2013	3	20	9	V	1.2	-999	5.87	10
401430235	2013	3	20	10	V	2.4	-999	5.82	18
401430235	2013	3	20	11	V	1.9	-999	5.34	20
401430235	2013	3	20	12	V	2.2	-999	5.94	46
401430235	2013	3	20	13	V	2.3	-999	4.58	26
401430235	2013	3	20	14	V	2.4	-999	3.9	19
401430235	2013	3	20	15	V	1.7	-999	3.37	45
401430235	2013	3	20	16	V	2.0	-999	3.2	35
401430235	2013	3	20	17	V	3.7	-999	2.1	48
401430235	2013	3	20	18	V	3.7	-999	2.38	68
401430235	2013	3	20	19	V	1.5	0	3.54	68
401430235	2013	3	20	20	V	2.9	0	3.13	71
401430235	2013	3	20	21	V	2.7	0	3.1	75
401430235	2013	3	20	22	V	1.4	0	3.27	100
401430235	2013	3	20	23	V	1.1	0	3.71	96
401430235	2013	3	20	24	V	1.5	0	3.37	107
401430235	2013	3	21	1	V	1.3	0	3.51	108
401430235	2013	3	21	2	V	0.9	0	2.54	105
401430235	2013	3	21	3	V	0.4	0	2.93	104
401430235	2013	3	21	4	V	0.5	0	3.25	91
401430235	2013	3	21	5	V	1.4	0	3.03	93
401430235	2013	3	21	6	V	0.5	0	3.37	85
401430235	2013	3	21	7	V	1.1	0	3.58	87
401430235	2013	3	21	8	V	3.9	0	4.7	103
401430235	2013	3	21	9	V	1.2	0	5.21	124
401430235	2013	3	21	10	V	2.4	0	5.72	130
401430235	2013	3	21	11	V	1.9	0	7.23	128
401430235	2013	3	21	12	V	2.2	0	6.84	132
401430235	2013	3	21	13	V	2.3	0	7.55	124
401430235	2013	3	21	14	V	2.3	0	7.13	120
401430235	2013	3	21	15	V	1.7	0	7.13	118
401430235	2013	3	21	16	V	2.0	0	6.43	118
401430235	2013	3	21	17	V	3.6	0	6.21	108
401430235	2013	3	21	18	V	3.7	0	6.16	98
401430235	2013	3	21	19	V	1.5	0	5.58	86
401430235	2013	3	21	20	V	2.9	0	5.48	83
401430235	2013	3	21	21	V	2.7	0	5.16	84
401430235	2013	3	21	22	V	1.4	0	4.73	79
401430235	2013	3	21	23	V	1.1	0	4.8	78
401430235	2013	3	21	24	V	1.5	0	4.46	67
401430235	2013	3	22	1	V	1.3	0	4.68	64
401430235	2013	3	22	2	V	0.9	0	5.04	68

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	22	3	V	0.4	0	4.24	42
401430235	2013	3	22	4	V	0.5	0	4.02	34
401430235	2013	3	22	5	V	1.4	0	3.24	22
401430235	2013	3	22	6	V	0.5	0	3.4	28
401430235	2013	3	22	7	V	1.1	0	3.13	25
401430235	2013	3	22	8	V	4.0	0	3.81	33
401430235	2013	3	22	9	V	1.3	0	3.47	45
401430235	2013	3	22	10	V	2.4	0	3.39	40
401430235	2013	3	22	11	V	1.9	0	2.73	16
401430235	2013	3	22	12	V	2.3	0	3.22	355
401430235	2013	3	22	13	V	2.3	0	3.44	7
401430235	2013	3	22	14	V	2.3	0	3.44	7
401430235	2013	3	22	15	V	1.7	0	3.97	22
401430235	2013	3	22	16	V	2.0	0	4.27	32
401430235	2013	3	22	17	V	3.6	0	3.9	39
401430235	2013	3	22	18	V	3.7	0	4.8	51
401430235	2013	3	22	19	V	1.5	0	4.61	35
401430235	2013	3	22	20	V	2.9	0	5.07	42
401430235	2013	3	22	21	V	2.7	0	3.9	51
401430235	2013	3	22	22	V	1.4	0	3.9	48
401430235	2013	3	22	23	V	1.1	0	3.81	28
401430235	2013	3	22	24	V	1.5	0	4.29	27
401430235	2013	3	23	1	V	1.3	0	4.53	27
401430235	2013	3	23	2	V	0.9	0	4.39	32
401430235	2013	3	23	3	V	0.4	0	4.46	34
401430235	2013	3	23	4	V	0.5	0	4.41	31
401430235	2013	3	23	5	V	1.4	0	4.36	43
401430235	2013	3	23	6	V	0.5	0	3.69	42
401430235	2013	3	23	7	V	1.1	0	3.08	27
401430235	2013	3	23	8	V	4.0	0	3.86	33
401430235	2013	3	23	9	V	1.3	0	3.93	43
401430235	2013	3	23	10	V	2.4	0	4.54	58
401430235	2013	3	23	11	V	1.9	0	3.49	37
401430235	2013	3	23	12	V	2.2	0	3.56	59
401430235	2013	3	23	13	V	2.4	0	2.28	47
401430235	2013	3	23	14	V	2.4	0	2.83	31
401430235	2013	3	23	15	V	1.7	0	3.56	36
401430235	2013	3	23	16	V	2.0	0	2.98	34
401430235	2013	3	23	17	V	3.6	0	2.44	10
401430235	2013	3	23	18	V	5.9	0	2.1	343
401430235	2013	3	23	19	V	1.7	0	2.2	346
401430235	2013	3	23	20	V	2.9	0	3.51	21
401430235	2013	3	23	21	V	2.7	0	3.15	14
401430235	2013	3	23	22	V	7.9	0	2.91	330
401430235	2013	3	23	23	V	5.8	0	4.2	331
401430235	2013	3	23	24	V	4.7	0	3.03	337

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	24	1	V	1.6	0	2.69	289
401430235	2013	3	24	2	V	1.3	0	3.86	293
401430235	2013	3	24	3	V	5.7	0	4.51	306
401430235	2013	3	24	4	V	10.9	0	5.73	318
401430235	2013	3	24	5	V	10.1	0	5.11	322
401430235	2013	3	24	6	V	9.9	0	5.16	319
401430235	2013	3	24	7	V	10.2	0	5.33	322
401430235	2013	3	24	8	V	13.9	0	5.34	320
401430235	2013	3	24	9	V	4.4	0	5.85	324
401430235	2013	3	24	10	V	6.0	0	5.48	317
401430235	2013	3	24	11	V	5.2	1	6.21	317
401430235	2013	3	24	12	V	4.6	2	6.58	327
401430235	2013	3	24	13	V	5.5	4	6.41	318
401430235	2013	3	24	14	V	4.9	4	6.18	323
401430235	2013	3	24	15	V	3.7	5	5.97	327
401430235	2013	3	24	16	V	3.1	4	5.8	337
401430235	2013	3	24	17	V	6.6	3	5.33	321
401430235	2013	3	24	18	V	5.5	6	5.19	335
401430235	2013	3	24	19	V	5.3	8	4.1	331
401430235	2013	3	24	20	V	7.8	7	2.47	332
401430235	2013	3	24	21	V	5.8	5	2.35	335
401430235	2013	3	24	22	V	10.3	5	1.09	306
401430235	2013	3	24	23	V	1.1	0	1.74	272
401430235	2013	3	24	24	V	2.1	0	1.99	299
401430235	2013	3	25	1	V	4.6	0	2.25	305
401430235	2013	3	25	2	V	0.9	0	1.96	280
401430235	2013	3	25	3	V	0.4	0	1.74	278
401430235	2013	3	25	4	V	6.3	0	2.93	307
401430235	2013	3	25	5	V	8.6	0	2.93	323
401430235	2013	3	25	6	V	9.9	0	3.25	314
401430235	2013	3	25	7	V	8.0	1	3.8	319
401430235	2013	3	25	8	V	8.3	8	4.2	319
401430235	2013	3	25	9	V	3.8	10	5.31	327
401430235	2013	3	25	10	V	5.3	10	5.68	323
401430235	2013	3	25	11	V	4.0	3	5.27	332
401430235	2013	3	25	12	V	5.8	6	4.76	320
401430235	2013	3	25	13	V	4.8	4	5.02	329
401430235	2013	3	25	14	V	5.1	5	4.83	327
401430235	2013	3	25	15	V	5.4	7	4.68	316
401430235	2013	3	25	16	V	5.8	6	4.56	315
401430235	2013	3	25	17	V	6.9	7	4.6	326
401430235	2013	3	25	18	V	7.8	6	4.95	334
401430235	2013	3	25	19	V	2.4	6	4.19	343
401430235	2013	3	25	20	V	3.3	2	3.32	344
401430235	2013	3	25	21	V	2.9	0	2.35	342
401430235	2013	3	25	22	V	16.2	0	1.33	312

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	25	23	V	5.8	0	1.31	303
401430235	2013	3	25	24	V	14.7	0	1.6	311
401430235	2013	3	26	1	V	16.1	0	1.2	312
401430235	2013	3	26	2	V	2.2	0	1.03	292
401430235	2013	3	26	3	V	0.5	0	1.08	242
401430235	2013	3	26	4	V	0.8	0	0.87	242
401430235	2013	3	26	5	V	2.0	0	0.62	233
401430235	2013	3	26	6	V	0.9	0	1.13	214
401430235	2013	3	26	7	V	1.8	0	1.11	289
401430235	2013	3	26	8	V	6.8	1	1.71	337
401430235	2013	3	26	9	V	1.4	2	2.27	2
401430235	2013	3	26	10	V	4.5	2	2.45	331
401430235	2013	3	26	11	V	3.3	4	2.54	301
401430235	2013	3	26	12	V	3.6	1	2.27	308
401430235	2013	3	26	13	V	2.8	4	1.72	279
401430235	2013	3	26	14	V	3.0	3	1.86	343
401430235	2013	3	26	15	V	1.8	3	2.3	213
401430235	2013	3	26	16	V	3.2	2	2.06	309
401430235	2013	3	26	17	V	3.8	0	2.05	157
401430235	2013	3	26	18	V	3.7	0	2.71	134
401430235	2013	3	26	19	V	1.5	0	2.83	146
401430235	2013	3	26	20	V	2.9	0	2.74	139
401430235	2013	3	26	21	V	2.7	0	2.39	143
401430235	2013	3	26	22	V	1.4	0	2.15	148
401430235	2013	3	26	23	V	1.1	0	1.86	163
401430235	2013	3	26	24	V	1.5	0	2.06	161
401430235	2013	3	27	1	V	1.3	0	2.13	162
401430235	2013	3	27	2	V	0.9	0	2.06	161
401430235	2013	3	27	3	V	0.5	0	2.01	169
401430235	2013	3	27	4	V	0.7	0	1.62	165
401430235	2013	3	27	5	V	1.8	0	1.25	168
401430235	2013	3	27	6	V	0.6	0	1.5	150
401430235	2013	3	27	7	V	1.1	0	1.69	131
401430235	2013	3	27	8	V	4.1	0	2.45	154
401430235	2013	3	27	9	V	1.4	0	5.38	170
401430235	2013	3	27	10	V	2.5	0	5.96	172
401430235	2013	3	27	11	V	2.0	1	7.91	178
401430235	2013	3	27	12	V	2.3	1	7.71	176
401430235	2013	3	27	13	V	2.4	0	7.15	177
401430235	2013	3	27	14	V	2.4	0	8	183
401430235	2013	3	27	15	V	1.8	1	8.15	186
401430235	2013	3	27	16	V	2.1	0	6.91	188
401430235	2013	3	27	17	V	3.8	0	6.06	188
401430235	2013	3	27	18	V	3.8	0	5.67	180
401430235	2013	3	27	19	V	1.5	0	3.8	172
401430235	2013	3	27	20	V	2.9	0	3.74	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	27	21	V	2.7	0	3.64	156
401430235	2013	3	27	22	V	1.4	0	4.56	171
401430235	2013	3	27	23	V	1.1	0	4.46	169
401430235	2013	3	27	24	V	1.5	0	3.49	176
401430235	2013	3	28	1	V	1.3	0	3.1	170
401430235	2013	3	28	2	V	0.9	0	2.23	163
401430235	2013	3	28	3	V	0.4	0	2.67	167
401430235	2013	3	28	4	V	0.6	0	2.1	167
401430235	2013	3	28	5	V	1.5	0	2.01	173
401430235	2013	3	28	6	V	0.5	0	2.21	178
401430235	2013	3	28	7	V	1.2	0	2.06	188
401430235	2013	3	28	8	V	4.1	0	3.71	173
401430235	2013	3	28	9	V	1.4	1	4.41	175
401430235	2013	3	28	10	V	2.5	1	5.31	189
401430235	2013	3	28	11	V	2.0	0	5.14	181
401430235	2013	3	28	12	V	2.3	0	4.83	176
401430235	2013	3	28	13	V	2.4	0	4.22	168
401430235	2013	3	28	14	V	2.4	-999	4.87	164
401430235	2013	3	28	15	V	1.8	-999	4.78	165
401430235	2013	3	28	16	V	2.1	0	5.73	166
401430235	2013	3	28	17	V	3.7	0	5.82	169
401430235	2013	3	28	18	V	3.8	0	5.65	170
401430235	2013	3	28	19	V	1.5	0	5.02	179
401430235	2013	3	28	20	V	2.9	0	3.51	173
401430235	2013	3	28	21	V	2.7	0	3	168
401430235	2013	3	28	22	V	1.4	0	3.4	169
401430235	2013	3	28	23	V	1.1	0	2.89	177
401430235	2013	3	28	24	V	1.5	0	2.54	187
401430235	2013	3	29	1	V	1.9	0	0.74	172
401430235	2013	3	29	2	V	1.5	0	0.69	118
401430235	2013	3	29	3	V	0.9	0	0.82	208
401430235	2013	3	29	4	V	1.4	0	0.6	222
401430235	2013	3	29	5	V	2.6	0	0.55	198
401430235	2013	3	29	6	C	-999	0	0	0
401430235	2013	3	29	7	V	14.4	0	0.6	323
401430235	2013	3	29	8	V	7.2	0	0.57	148
401430235	2013	3	29	9	V	2.4	0	0.97	98
401430235	2013	3	29	10	V	3.4	0	1.96	47
401430235	2013	3	29	11	V	2.0	0	1.77	70
401430235	2013	3	29	12	V	3.9	0	2.74	42
401430235	2013	3	29	13	V	2.3	0	4.41	63
401430235	2013	3	29	14	V	2.3	0	4.66	86
401430235	2013	3	29	15	V	1.7	0	5.55	90
401430235	2013	3	29	16	V	2.0	0	5.77	120
401430235	2013	3	29	17	V	3.6	0	5.29	140
401430235	2013	3	29	18	V	3.7	0	4.88	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	29	19	V	1.5	0	4.24	138
401430235	2013	3	29	20	V	2.9	0	3.2	120
401430235	2013	3	29	21	V	2.7	0	4.71	128
401430235	2013	3	29	22	V	1.4	0	3.18	93
401430235	2013	3	29	23	V	1.1	0	2.4	106
401430235	2013	3	29	24	V	1.5	0	2.33	136
401430235	2013	3	30	1	V	1.3	0	2.61	143
401430235	2013	3	30	2	V	1.0	0	3.17	163
401430235	2013	3	30	3	V	0.4	0	3.9	153
401430235	2013	3	30	4	V	0.6	0	3.88	167
401430235	2013	3	30	5	V	1.4	0	3.86	175
401430235	2013	3	30	6	V	0.5	0	4.92	161
401430235	2013	3	30	7	V	1.1	0	2.32	206
401430235	2013	3	30	8	V	4.0	0	3.23	131
401430235	2013	3	30	9	V	1.3	0	3.71	91
401430235	2013	3	30	10	V	2.5	0	2.98	148
401430235	2013	3	30	11	V	1.9	0	4.03	147
401430235	2013	3	30	12	V	2.3	0	5.65	178
401430235	2013	3	30	13	V	2.5	0	5.36	192
401430235	2013	3	30	14	V	2.5	0	5.43	184
401430235	2013	3	30	15	V	1.8	0	4.8	176
401430235	2013	3	30	16	V	2.1	0	4.1	185
401430235	2013	3	30	17	V	3.8	0	3.8	189
401430235	2013	3	30	18	V	3.9	0	2.62	171
401430235	2013	3	30	19	V	1.5	0	1.77	153
401430235	2013	3	30	20	V	2.9	0	1.65	78
401430235	2013	3	30	21	V	2.8	0	1.26	256
401430235	2013	3	30	22	V	3.6	0	0.86	293
401430235	2013	3	30	23	V	1.1	0	1.96	7
401430235	2013	3	30	24	V	1.5	0	1.52	357
401430235	2013	3	31	1	V	2.9	0	1.2	296
401430235	2013	3	31	2	V	1.6	0	1.48	342
401430235	2013	3	31	3	V	0.8	0	1.4	344
401430235	2013	3	31	4	V	6.9	0	2.5	325
401430235	2013	3	31	5	V	1.5	0	6.7	354
401430235	2013	3	31	6	V	0.5	0	3.41	11
401430235	2013	3	31	7	V	1.1	0	4.53	7
401430235	2013	3	31	8	V	3.9	0	4.87	11
401430235	2013	3	31	9	V	1.3	0	4.37	11
401430235	2013	3	31	10	V	2.4	0	5.48	14
401430235	2013	3	31	11	V	1.9	0	5.55	15
401430235	2013	3	31	12	V	2.2	0	5.75	9
401430235	2013	3	31	13	V	2.3	0	4.85	7
401430235	2013	3	31	14	V	2.4	0	4.39	15
401430235	2013	3	31	15	V	1.8	0	3.61	17
401430235	2013	3	31	16	V	2.3	0	3.78	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	3	31	17	V	4.1	0	3.07	38
401430235	2013	3	31	18	V	4.1	0	2.3	32
401430235	2013	3	31	19	V	4.6	0	1.52	43
401430235	2013	3	31	20	V	3.1	0	0.96	10
401430235	2013	3	31	21	V	9.0	0	0.65	299
401430235	2013	3	31	22	V	2.3	0	0.7	282
401430235	2013	3	31	23	V	12.7	0	0.63	308
401430235	2013	3	31	24	V	2.1	0	0.72	215
401430235	2013	4	1	1	V	1.7	0	1.01	220
401430235	2013	4	1	2	V	1.8	0	0.6	246
401430235	2013	4	1	3	V	1.0	0	0.69	274
401430235	2013	4	1	4	V	15.7	0	0.79	319
401430235	2013	4	1	5	V	2.6	0	0.7	351
401430235	2013	4	1	6	V	13.1	0	0.52	325
401430235	2013	4	1	7	V	1.1	0	2.86	15
401430235	2013	4	1	8	V	3.9	0	5.38	7
401430235	2013	4	1	9	V	1.3	0	5.43	17
401430235	2013	4	1	10	V	2.4	0	5.44	14
401430235	2013	4	1	11	V	1.9	0	5.92	26
401430235	2013	4	1	12	V	2.5	1	5.84	32
401430235	2013	4	1	13	V	2.3	1	6.06	24
401430235	2013	4	1	14	V	2.3	0	7.08	20
401430235	2013	4	1	15	V	1.7	0	7.04	28
401430235	2013	4	1	16	V	2.1	0	7.26	32
401430235	2013	4	1	17	V	3.6	0	7.14	29
401430235	2013	4	1	18	V	3.7	0	7.01	24
401430235	2013	4	1	19	V	1.5	0	6.18	17
401430235	2013	4	1	20	V	2.9	0	5.87	24
401430235	2013	4	1	21	V	2.7	0	6.38	30
401430235	2013	4	1	22	V	1.5	0	7.37	30
401430235	2013	4	1	23	V	1.7	0	6.69	36
401430235	2013	4	1	24	V	2.7	0	6.72	42
401430235	2013	4	2	1	V	1.5	0	6.04	32
401430235	2013	4	2	2	V	1.0	0	6.82	29
401430235	2013	4	2	3	V	1.2	0	6.58	36
401430235	2013	4	2	4	V	0.9	0	6.45	33
401430235	2013	4	2	5	V	1.9	0	6.02	34
401430235	2013	4	2	6	V	1.3	0	5.94	36
401430235	2013	4	2	7	V	1.2	0	6.35	31
401430235	2013	4	2	8	V	4.2	0	6.8	40
401430235	2013	4	2	9	V	1.8	0	6.75	45
401430235	2013	4	2	10	V	2.4	0	7.16	52
401430235	2013	4	2	11	V	1.9	0	5.07	57
401430235	2013	4	2	12	V	3.0	0	4.39	34
401430235	2013	4	2	13	V	2.6	0	5.87	48
401430235	2013	4	2	14	V	2.7	0	5.55	48

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	2	15	V	2.4	0	5.63	46
401430235	2013	4	2	16	V	3.4	0	6.16	41
401430235	2013	4	2	17	V	4.6	0	5.94	44
401430235	2013	4	2	18	V	4.1	0	5.38	46
401430235	2013	4	2	19	V	2.2	0	5.7	46
401430235	2013	4	2	20	V	3.3	0	5	48
401430235	2013	4	2	21	V	3.0	0	5.99	49
401430235	2013	4	2	22	V	1.6	0	5.58	50
401430235	2013	4	2	23	V	1.2	0	5.38	51
401430235	2013	4	2	24	V	1.6	0	4.92	50
401430235	2013	4	3	1	V	1.3	0	4.41	54
401430235	2013	4	3	2	V	1.3	0	4.49	47
401430235	2013	4	3	3	V	2.0	0	5.31	40
401430235	2013	4	3	4	V	1.8	0	4.65	44
401430235	2013	4	3	5	V	2.4	0	4.32	45
401430235	2013	4	3	6	V	0.6	0	4.22	51
401430235	2013	4	3	7	V	1.1	0	4.68	64
401430235	2013	4	3	8	V	4.6	0	4.02	33
401430235	2013	4	3	9	V	1.5	0	3.46	52
401430235	2013	4	3	10	V	2.4	0	4.92	53
401430235	2013	4	3	11	V	4.0	0	5.02	42
401430235	2013	4	3	12	V	3.2	0	5.41	36
401430235	2013	4	3	13	V	2.3	0	5.09	28
401430235	2013	4	3	14	V	4.5	0	2.21	336
401430235	2013	4	3	15	V	1.9	0	1.28	145
401430235	2013	4	3	16	V	2.6	0	1.59	30
401430235	2013	4	3	17	V	3.7	0	1.72	11
401430235	2013	4	3	18	V	3.7	0	1.65	357
401430235	2013	4	3	19	V	1.5	0	1.86	347
401430235	2013	4	3	20	V	2.9	0	1.77	350
401430235	2013	4	3	21	V	2.7	0	2.88	357
401430235	2013	4	3	22	V	1.4	0	2.61	14
401430235	2013	4	3	23	V	1.1	0	1.98	11
401430235	2013	4	3	24	V	1.5	0	2.23	19
401430235	2013	4	4	1	V	1.3	0	1.81	348
401430235	2013	4	4	2	V	9.3	0	1.89	326
401430235	2013	4	4	3	V	5.9	0	2.06	333
401430235	2013	4	4	4	V	1.7	0	2.06	340
401430235	2013	4	4	5	V	1.5	0	1.86	345
401430235	2013	4	4	6	V	0.5	0	2.16	351
401430235	2013	4	4	7	V	10.0	0	1.21	333
401430235	2013	4	4	8	V	9.2	0	1.43	329
401430235	2013	4	4	9	V	4.1	0	2.4	333
401430235	2013	4	4	10	V	5.7	2	2.95	325
401430235	2013	4	4	11	V	5.9	1	2.71	311
401430235	2013	4	4	12	V	3.3	1	2.62	296

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	4	13	V	4.5	1	2.45	335
401430235	2013	4	4	14	V	2.7	1	3.59	347
401430235	2013	4	4	15	V	1.7	0	3.66	3
401430235	2013	4	4	16	V	2.0	0	4.09	24
401430235	2013	4	4	17	V	3.7	0	3.46	12
401430235	2013	4	4	18	V	3.8	1	2.76	353
401430235	2013	4	4	19	V	8.6	0	1.45	333
401430235	2013	4	4	20	V	15.4	0	0.62	309
401430235	2013	4	4	21	V	3.3	0	1.59	292
401430235	2013	4	4	22	V	1.8	0	2.22	298
401430235	2013	4	4	23	V	1.3	0	0.87	232
401430235	2013	4	4	24	V	2.2	0	0.63	269
401430235	2013	4	5	1	V	1.6	0	0.86	241
401430235	2013	4	5	2	V	1.8	0	0.57	236
401430235	2013	4	5	3	V	0.8	0	0.79	269
401430235	2013	4	5	4	V	0.8	0	1.2	222
401430235	2013	4	5	5	V	2.1	0	0.8	183
401430235	2013	4	5	6	V	1.0	0	0.69	242
401430235	2013	4	5	7	V	1.2	0	1.03	236
401430235	2013	4	5	8	V	4.9	0	0.91	201
401430235	2013	4	5	9	V	1.8	0	1.47	243
401430235	2013	4	5	10	V	2.8	0	1.93	170
401430235	2013	4	5	11	V	2.1	0	2.79	191
401430235	2013	4	5	12	V	2.3	-999	3.91	195
401430235	2013	4	5	13	V	2.5	-999	4.02	187
401430235	2013	4	5	14	V	2.5	0	4.59	189
401430235	2013	4	5	15	V	1.8	0	5.05	191
401430235	2013	4	5	16	V	2.1	0	4.88	196
401430235	2013	4	5	17	V	3.8	0	4.94	191
401430235	2013	4	5	18	V	3.8	0	5.16	182
401430235	2013	4	5	19	V	1.5	0	4.46	167
401430235	2013	4	5	20	V	2.9	0	4.36	178
401430235	2013	4	5	21	V	2.7	0	3.56	186
401430235	2013	4	5	22	V	1.4	0	4.99	188
401430235	2013	4	5	23	V	1.1	0	5.26	176
401430235	2013	4	5	24	V	1.5	0	4.77	178
401430235	2013	4	6	1	V	1.3	0	4.42	180
401430235	2013	4	6	2	V	0.9	0	4.51	178
401430235	2013	4	6	3	V	0.4	0	4.76	175
401430235	2013	4	6	4	V	0.5	0	3.32	165
401430235	2013	4	6	5	V	1.4	0	3.15	168
401430235	2013	4	6	6	V	0.5	0	2.74	170
401430235	2013	4	6	7	V	1.1	0	4.99	179
401430235	2013	4	6	8	V	4.0	0	4.75	195
401430235	2013	4	6	9	V	1.4	0	6.14	185
401430235	2013	4	6	10	V	2.5	0	8.18	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	6	11	V	2.0	0	9.19	197
401430235	2013	4	6	12	V	2.3	0	8.35	195
401430235	2013	4	6	13	V	2.4	0	6.92	216
401430235	2013	4	6	14	V	2.4	0	6.79	216
401430235	2013	4	6	15	V	1.7	0	5.89	221
401430235	2013	4	6	16	V	2.0	0	5.92	211
401430235	2013	4	6	17	V	3.7	0	5.12	216
401430235	2013	4	6	18	V	3.8	0	4.2	214
401430235	2013	4	6	19	V	1.6	0	1.26	243
401430235	2013	4	6	20	V	3.1	0	1.14	199
401430235	2013	4	6	21	V	2.7	0	2.95	203
401430235	2013	4	6	22	V	1.5	0	1.43	227
401430235	2013	4	6	23	C	-999	0	0	0
401430235	2013	4	6	24	V	2.6	0	0.52	147
401430235	2013	4	7	1	C	-999	0	0	0
401430235	2013	4	7	2	C	-999	0	0	0
401430235	2013	4	7	3	C	-999	0	0	0
401430235	2013	4	7	4	C	-999	0	0	0
401430235	2013	4	7	5	C	-999	0	0	0
401430235	2013	4	7	6	V	1.2	0	0.69	211
401430235	2013	4	7	7	C	-999	0	0	0
401430235	2013	4	7	8	V	4.6	0	1.26	134
401430235	2013	4	7	9	V	1.4	0	3.71	162
401430235	2013	4	7	10	V	2.5	0	5.41	171
401430235	2013	4	7	11	V	2.0	0	5.34	170
401430235	2013	4	7	12	V	2.3	0	5.7	161
401430235	2013	4	7	13	V	2.4	0	6.16	165
401430235	2013	4	7	14	V	2.4	0	7.54	168
401430235	2013	4	7	15	V	1.8	0	7.91	169
401430235	2013	4	7	16	V	2.1	0	7.74	169
401430235	2013	4	7	17	V	3.7	0	6.91	166
401430235	2013	4	7	18	V	3.8	0	6.4	166
401430235	2013	4	7	19	V	1.5	0	5.26	171
401430235	2013	4	7	20	V	2.9	0	4.02	170
401430235	2013	4	7	21	V	2.8	0	3.3	165
401430235	2013	4	7	22	V	1.5	0	3.12	163
401430235	2013	4	7	23	V	1.1	0	3.01	161
401430235	2013	4	7	24	V	1.5	0	2.86	161
401430235	2013	4	8	1	V	1.3	0	3.22	156
401430235	2013	4	8	2	V	0.9	0	3.32	151
401430235	2013	4	8	3	V	0.5	0	2.98	154
401430235	2013	4	8	4	V	0.6	0	3.34	157
401430235	2013	4	8	5	V	1.4	0	4.24	166
401430235	2013	4	8	6	V	0.5	0	4.51	159
401430235	2013	4	8	7	V	1.1	0	4.82	157
401430235	2013	4	8	8	V	3.9	0	5.36	154

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	8	9	V	1.3	0	5.21	151
401430235	2013	4	8	10	V	2.4	0	4.61	145
401430235	2013	4	8	11	V	1.9	0	4.66	152
401430235	2013	4	8	12	V	2.2	0	5.39	158
401430235	2013	4	8	13	V	2.4	0	5.58	157
401430235	2013	4	8	14	V	2.4	0	6.55	160
401430235	2013	4	8	15	V	1.7	0	6.7	157
401430235	2013	4	8	16	V	2.1	0	7.43	165
401430235	2013	4	8	17	V	3.7	0	7.91	170
401430235	2013	4	8	18	V	3.8	0	6.7	170
401430235	2013	4	8	19	V	1.5	0	6.94	170
401430235	2013	4	8	20	V	2.9	0	5.67	164
401430235	2013	4	8	21	V	2.7	0	5.33	161
401430235	2013	4	8	22	V	1.4	0	5.94	169
401430235	2013	4	8	23	V	1.1	0	4.27	167
401430235	2013	4	8	24	V	1.5	0	4.48	166
401430235	2013	4	9	1	V	1.3	0	5.07	169
401430235	2013	4	9	2	V	0.9	0	6.01	171
401430235	2013	4	9	3	V	0.5	0	7.69	172
401430235	2013	4	9	4	V	0.6	0	7.18	172
401430235	2013	4	9	5	V	1.4	0	6.7	173
401430235	2013	4	9	6	V	0.5	0	6.74	173
401430235	2013	4	9	7	V	1.1	0	6.23	173
401430235	2013	4	9	8	V	4.0	0	6.07	175
401430235	2013	4	9	9	V	1.4	0	5.84	167
401430235	2013	4	9	10	V	2.5	0	6.31	172
401430235	2013	4	9	11	V	2.0	0	5.97	176
401430235	2013	4	9	12	V	2.3	0	5.14	185
401430235	2013	4	9	13	V	2.4	0	5.87	169
401430235	2013	4	9	14	V	2.5	0	4.88	172
401430235	2013	4	9	15	V	1.8	0	5.68	169
401430235	2013	4	9	16	V	2.1	0	4.53	170
401430235	2013	4	9	17	V	3.8	0	2.79	165
401430235	2013	4	9	18	V	3.8	0	3.22	169
401430235	2013	4	9	19	V	1.5	0	4.58	165
401430235	2013	4	9	20	V	2.9	0	4.08	166
401430235	2013	4	9	21	V	2.8	0	3.06	197
401430235	2013	4	9	22	V	1.6	0	4.75	288
401430235	2013	4	9	23	V	1.3	0	5.22	289
401430235	2013	4	9	24	V	9.1	0	4.43	325
401430235	2013	4	10	1	V	3.5	0	3.29	339
401430235	2013	4	10	2	V	5.9	0	3.17	305
401430235	2013	4	10	3	V	10.1	0	3.08	314
401430235	2013	4	10	4	V	9.6	0	4.73	319
401430235	2013	4	10	5	V	1.6	0	4.03	350
401430235	2013	4	10	6	V	8.0	0	3	327

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	10	7	V	9.4	0	3.76	321
401430235	2013	4	10	8	V	7.6	0	3.56	312
401430235	2013	4	10	9	V	6.2	0	3.66	316
401430235	2013	4	10	10	V	6.0	0	4.32	325
401430235	2013	4	10	11	V	6.5	0	3.66	319
401430235	2013	4	10	12	V	5.8	0	3.76	309
401430235	2013	4	10	13	V	5.6	0	4.15	327
401430235	2013	4	10	14	V	5.6	0	3.01	306
401430235	2013	4	10	15	V	4.7	0	3.88	307
401430235	2013	4	10	16	V	5.8	0	4	310
401430235	2013	4	10	17	V	8.2	0	3.69	312
401430235	2013	4	10	18	V	5.8	0	3.32	304
401430235	2013	4	10	19	V	6.8	0	3.78	306
401430235	2013	4	10	20	V	9.9	0	3.37	309
401430235	2013	4	10	21	V	9.2	0	3.39	308
401430235	2013	4	10	22	V	10.3	0	2.61	309
401430235	2013	4	10	23	V	4.7	0	3.34	303
401430235	2013	4	10	24	V	11.2	0	3.08	318
401430235	2013	4	11	1	V	9.9	0	3.52	319
401430235	2013	4	11	2	V	9.2	0	3.32	312
401430235	2013	4	11	3	V	8.6	0	2.1	327
401430235	2013	4	11	4	V	8.0	0	2.76	321
401430235	2013	4	11	5	V	9.0	0	3.27	310
401430235	2013	4	11	6	V	9.8	0	3.1	313
401430235	2013	4	11	7	V	10.3	0	2.27	325
401430235	2013	4	11	8	V	6.8	0	3.13	331
401430235	2013	4	11	9	V	3.9	0	3.08	304
401430235	2013	4	11	10	V	4.4	0	3.22	303
401430235	2013	4	11	11	V	4.8	0	2.93	315
401430235	2013	4	11	12	V	3.3	0	3.46	297
401430235	2013	4	11	13	V	2.4	0	2.95	265
401430235	2013	4	11	14	V	2.4	0	3.08	271
401430235	2013	4	11	15	V	1.8	0	3.03	264
401430235	2013	4	11	16	V	2.1	0	3.42	270
401430235	2013	4	11	17	V	3.7	0	3.66	273
401430235	2013	4	11	18	V	3.8	0	2.64	273
401430235	2013	4	11	19	V	1.6	0	1.65	277
401430235	2013	4	11	20	C	-999	0	0	0
401430235	2013	4	11	21	C	-999	0	0	0
401430235	2013	4	11	22	V	2.4	0	0.58	250
401430235	2013	4	11	23	V	2.1	0	0.57	261
401430235	2013	4	11	24	V	2.5	0	0.58	217
401430235	2013	4	12	1	V	2.4	0	0.55	252
401430235	2013	4	12	2	C	-999	0	0	0
401430235	2013	4	12	3	V	0.5	0	1.89	351
401430235	2013	4	12	4	V	0.6	0	2.03	9

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	12	5	V	1.4	0	2.61	10
401430235	2013	4	12	6	V	0.6	0	1.26	357
401430235	2013	4	12	7	V	1.1	0	1.72	13
401430235	2013	4	12	8	V	4.6	0	3.01	345
401430235	2013	4	12	9	V	5.3	0	2.67	328
401430235	2013	4	12	10	V	6.8	0	2.88	322
401430235	2013	4	12	11	V	5.4	2	4.07	318
401430235	2013	4	12	12	V	5.4	3	3.51	311
401430235	2013	4	12	13	V	4.8	4	3.17	309
401430235	2013	4	12	14	V	4.9	2	3.13	315
401430235	2013	4	12	15	V	1.9	0	3.1	357
401430235	2013	4	12	16	V	2.3	0	3.63	30
401430235	2013	4	12	17	V	4.1	0	2.4	31
401430235	2013	4	12	18	V	4.2	0	1.52	48
401430235	2013	4	12	19	V	1.7	0	0.79	21
401430235	2013	4	12	20	V	3.1	0	1.26	30
401430235	2013	4	12	21	V	3.3	0	1.21	33
401430235	2013	4	12	22	V	5.4	0	1.79	40
401430235	2013	4	12	23	V	1.1	0	1.98	58
401430235	2013	4	12	24	V	1.5	0	2.25	26
401430235	2013	4	13	1	V	1.3	0	1.74	27
401430235	2013	4	13	2	V	0.9	0	2.13	53
401430235	2013	4	13	3	V	0.5	0	1.37	71
401430235	2013	4	13	4	V	0.6	0	1.21	64
401430235	2013	4	13	5	V	1.7	0	1.08	200
401430235	2013	4	13	6	V	0.6	0	1.28	250
401430235	2013	4	13	7	V	1.1	0	1.38	90
401430235	2013	4	13	8	V	4.1	0	1.84	142
401430235	2013	4	13	9	V	1.4	0	2.18	134
401430235	2013	4	13	10	V	2.5	0	3.42	158
401430235	2013	4	13	11	V	2.0	0	4.31	160
401430235	2013	4	13	12	V	2.3	0	6.12	164
401430235	2013	4	13	13	V	2.4	0	6.41	165
401430235	2013	4	13	14	V	2.4	0	6.19	164
401430235	2013	4	13	15	V	1.8	0	6.7	167
401430235	2013	4	13	16	V	2.1	0	6.16	164
401430235	2013	4	13	17	V	3.7	0	6.36	171
401430235	2013	4	13	18	V	3.8	0	6.94	184
401430235	2013	4	13	19	V	1.5	0	4.76	173
401430235	2013	4	13	20	V	2.9	0	4.41	179
401430235	2013	4	13	21	V	2.7	0	3.49	164
401430235	2013	4	13	22	V	1.4	0	3.91	164
401430235	2013	4	13	23	V	1.1	0	3.9	165
401430235	2013	4	13	24	V	1.5	0	3.73	170
401430235	2013	4	14	1	V	1.3	0	3.41	166
401430235	2013	4	14	2	V	0.9	0	3.17	160

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	14	3	V	0.4	0	4.36	165
401430235	2013	4	14	4	V	0.5	0	2.89	148
401430235	2013	4	14	5	V	1.4	0	3.61	159
401430235	2013	4	14	6	V	0.5	0	3.76	168
401430235	2013	4	14	7	V	1.1	0	4.85	162
401430235	2013	4	14	8	V	4.0	0	6.02	169
401430235	2013	4	14	9	V	1.4	0	6.99	177
401430235	2013	4	14	10	V	2.5	0	9.24	181
401430235	2013	4	14	11	V	2.0	0	9.3	176
401430235	2013	4	14	12	V	2.3	0	9.41	174
401430235	2013	4	14	13	V	2.4	0	8.54	181
401430235	2013	4	14	14	V	2.4	0	8.85	193
401430235	2013	4	14	15	V	1.8	0	7.45	188
401430235	2013	4	14	16	V	2.0	0	7.93	203
401430235	2013	4	14	17	V	3.8	0	6.43	192
401430235	2013	4	14	18	V	3.8	0	6.11	191
401430235	2013	4	14	19	V	1.5	0	4.37	187
401430235	2013	4	14	20	V	2.9	0	2.4	177
401430235	2013	4	14	21	V	3.1	0	0.91	196
401430235	2013	4	14	22	V	2.4	0	0.63	159
401430235	2013	4	14	23	V	1.1	0	4.92	5
401430235	2013	4	14	24	V	1.5	0	6.57	18
401430235	2013	4	15	1	V	1.3	0	6.6	22
401430235	2013	4	15	2	V	0.9	0	7.76	25
401430235	2013	4	15	3	V	0.6	0	8.1	29
401430235	2013	4	15	4	V	0.7	0	9.63	31
401430235	2013	4	15	5	V	1.7	0	8.86	32
401430235	2013	4	15	6	V	1.3	0	8.03	36
401430235	2013	4	15	7	V	1.9	0	6.75	37
401430235	2013	4	15	8	V	5.1	0	6.19	40
401430235	2013	4	15	9	V	1.5	0	5.87	48
401430235	2013	4	15	10	V	2.4	-999	4.49	27
401430235	2013	4	15	11	V	1.9	-999	5.02	24
401430235	2013	4	15	12	V	2.2	1	4.8	26
401430235	2013	4	15	13	V	2.4	1	3.75	19
401430235	2013	4	15	14	V	2.4	1	2.74	5
401430235	2013	4	15	15	V	1.9	1	2.37	21
401430235	2013	4	15	16	V	2.0	1	2.95	15
401430235	2013	4	15	17	V	3.7	0	3.71	6
401430235	2013	4	15	18	V	3.7	0	4.54	15
401430235	2013	4	15	19	V	1.5	0	5.89	21
401430235	2013	4	15	20	V	2.9	0	6.06	23
401430235	2013	4	15	21	V	2.7	0	6.43	20
401430235	2013	4	15	22	V	1.4	0	6.16	17
401430235	2013	4	15	23	V	1.1	0	6.04	23
401430235	2013	4	15	24	V	1.5	0	6.07	26

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	16	1	V	1.5	0	6.41	32
401430235	2013	4	16	2	V	1.7	0	5.89	36
401430235	2013	4	16	3	V	2.1	0	5.19	40
401430235	2013	4	16	4	V	2.3	0	4.7	42
401430235	2013	4	16	5	V	1.9	0	5.31	34
401430235	2013	4	16	6	V	0.5	0	4.9	23
401430235	2013	4	16	7	V	1.1	0	4.85	23
401430235	2013	4	16	8	V	3.9	0	5.19	27
401430235	2013	4	16	9	V	1.3	0	5.72	30
401430235	2013	4	16	10	V	2.4	0	5.1	29
401430235	2013	4	16	11	V	1.9	0	4.19	14
401430235	2013	4	16	12	V	2.2	0	4.8	20
401430235	2013	4	16	13	V	2.4	0	4	24
401430235	2013	4	16	14	V	2.4	0	3.4	6
401430235	2013	4	16	15	V	1.7	0	3.8	3
401430235	2013	4	16	16	V	2.0	0	4.02	8
401430235	2013	4	16	17	V	3.6	0	4.17	5
401430235	2013	4	16	18	V	3.7	0	4.49	12
401430235	2013	4	16	19	V	1.5	0	3.97	9
401430235	2013	4	16	20	V	2.9	0	3.59	13
401430235	2013	4	16	21	V	2.7	0	3	8
401430235	2013	4	16	22	V	1.4	0	3.47	15
401430235	2013	4	16	23	V	1.1	0	2.67	14
401430235	2013	4	16	24	V	1.5	0	2.86	13
401430235	2013	4	17	1	V	1.3	0	3	24
401430235	2013	4	17	2	V	1.0	0	3.1	30
401430235	2013	4	17	3	V	0.4	0	2.55	24
401430235	2013	4	17	4	V	0.9	0	2.27	33
401430235	2013	4	17	5	V	7.1	0	1.23	40
401430235	2013	4	17	6	V	1.0	0	0.82	212
401430235	2013	4	17	7	V	1.3	0	0.96	247
401430235	2013	4	17	8	V	4.1	0	2.11	86
401430235	2013	4	17	9	V	1.4	0	5.82	171
401430235	2013	4	17	10	V	2.5	0	7.47	176
401430235	2013	4	17	11	V	2.0	0	6.82	175
401430235	2013	4	17	12	V	2.3	0	8.05	180
401430235	2013	4	17	13	V	2.4	0	7.96	184
401430235	2013	4	17	14	V	2.4	0	7.89	172
401430235	2013	4	17	15	V	1.8	0	7.64	172
401430235	2013	4	17	16	V	2.1	0	9.42	174
401430235	2013	4	17	17	V	3.7	0	7.38	175
401430235	2013	4	17	18	V	3.8	0	6.45	173
401430235	2013	4	17	19	V	1.5	0	5.02	169
401430235	2013	4	17	20	V	2.9	0	5.27	161
401430235	2013	4	17	21	V	2.7	0	5.63	160
401430235	2013	4	17	22	V	1.5	0	4.42	205

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	17	23	V	5.5	0	3.59	304
401430235	2013	4	17	24	V	1.5	0	3.49	195
401430235	2013	4	18	1	V	1.4	0	2.76	190
401430235	2013	4	18	2	V	1.0	0	3.88	284
401430235	2013	4	18	3	V	0.5	0	4.46	284
401430235	2013	4	18	4	V	2.2	0	5.22	298
401430235	2013	4	18	5	V	10.2	0	4.39	314
401430235	2013	4	18	6	V	5.3	0	3.9	305
401430235	2013	4	18	7	V	8.5	0	4.88	309
401430235	2013	4	18	8	V	8.5	0	4.17	312
401430235	2013	4	18	9	V	4.3	0	4.27	307
401430235	2013	4	18	10	V	6.3	0	4.54	312
401430235	2013	4	18	11	V	6.0	1	4.68	315
401430235	2013	4	18	12	V	5.8	4	4.05	311
401430235	2013	4	18	13	V	6.1	5	4.65	314
401430235	2013	4	18	14	V	5.0	5	4.61	307
401430235	2013	4	18	15	V	4.4	6	4.75	307
401430235	2013	4	18	16	V	5.2	8	4.93	309
401430235	2013	4	18	17	V	7.4	14	4.99	322
401430235	2013	4	18	18	V	7.7	15	4.9	322
401430235	2013	4	18	19	V	8.7	12	4.61	309
401430235	2013	4	18	20	V	11.8	10	4.54	320
401430235	2013	4	18	21	V	11.2	10	4.2	321
401430235	2013	4	18	22	V	8.6	13	3.46	325
401430235	2013	4	18	23	V	10.7	12	3.12	315
401430235	2013	4	18	24	V	1.8	6	2.52	298
401430235	2013	4	19	1	V	1.6	1	2.27	292
401430235	2013	4	19	2	V	0.9	0	2.11	281
401430235	2013	4	19	3	V	0.5	0	1.74	282
401430235	2013	4	19	4	V	0.6	0	2.44	286
401430235	2013	4	19	5	V	1.4	0	2.3	283
401430235	2013	4	19	6	V	0.5	0	2.1	274
401430235	2013	4	19	7	V	1.1	0	2.39	272
401430235	2013	4	19	8	V	5.1	5	3.1	297
401430235	2013	4	19	9	V	1.6	8	3.4	291
401430235	2013	4	19	10	V	4.4	2	4.12	306
401430235	2013	4	19	11	V	3.3	0	4.1	302
401430235	2013	4	19	12	V	3.2	0	4.17	298
401430235	2013	4	19	13	V	2.4	0	3.49	274
401430235	2013	4	19	14	V	2.4	0	3.83	260
401430235	2013	4	19	15	V	1.7	0	4.05	272
401430235	2013	4	19	16	V	2.0	0	3.98	270
401430235	2013	4	19	17	V	3.7	0	4	265
401430235	2013	4	19	18	V	3.8	0	2.62	267
401430235	2013	4	19	19	V	1.5	0	2.25	242
401430235	2013	4	19	20	V	3.0	0	1.31	229

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	19	21	V	2.8	0	1.38	233
401430235	2013	4	19	22	C	-999	0	0	0
401430235	2013	4	19	23	V	14.1	1	1.16	328
401430235	2013	4	19	24	V	1.7	1	1.06	265
401430235	2013	4	20	1	V	1.8	0	1.09	218
401430235	2013	4	20	2	V	2.0	0	0.62	196
401430235	2013	4	20	3	V	0.8	0	0.75	235
401430235	2013	4	20	4	V	13.0	0	0.55	310
401430235	2013	4	20	5	C	-999	0	0	0
401430235	2013	4	20	6	C	-999	0	0	0
401430235	2013	4	20	7	C	-999	0	0	0
401430235	2013	4	20	8	V	4.2	0	1.89	140
401430235	2013	4	20	9	V	1.4	0	3.06	147
401430235	2013	4	20	10	V	2.6	0	2.78	158
401430235	2013	4	20	11	V	2.1	0	3.08	163
401430235	2013	4	20	12	V	2.2	0	3.86	139
401430235	2013	4	20	13	V	2.4	0	4.42	164
401430235	2013	4	20	14	V	2.4	0	6.18	174
401430235	2013	4	20	15	V	1.8	0	6.04	170
401430235	2013	4	20	16	V	2.1	0	7.26	168
401430235	2013	4	20	17	V	3.7	0	6.82	167
401430235	2013	4	20	18	V	3.8	0	5.77	160
401430235	2013	4	20	19	V	1.5	0	4.29	158
401430235	2013	4	20	20	V	2.9	0	3.12	137
401430235	2013	4	20	21	V	2.7	0	2.44	141
401430235	2013	4	20	22	V	1.4	0	2.33	129
401430235	2013	4	20	23	V	1.1	0	2.49	143
401430235	2013	4	20	24	V	1.5	0	2.98	156
401430235	2013	4	21	1	V	1.3	0	2.78	153
401430235	2013	4	21	2	V	0.9	0	3.49	161
401430235	2013	4	21	3	V	0.4	0	4.34	149
401430235	2013	4	21	4	V	0.5	0	4.24	161
401430235	2013	4	21	5	V	1.4	0	4.32	169
401430235	2013	4	21	6	V	0.5	0	4.85	173
401430235	2013	4	21	7	V	1.1	0	5.04	152
401430235	2013	4	21	8	V	4.0	0	5.07	154
401430235	2013	4	21	9	V	1.4	0	5.84	166
401430235	2013	4	21	10	V	2.5	0	5.99	168
401430235	2013	4	21	11	V	2.0	0	5.43	165
401430235	2013	4	21	12	V	2.3	0	6.69	165
401430235	2013	4	21	13	V	2.4	0	6.28	163
401430235	2013	4	21	14	V	2.4	0	6.53	167
401430235	2013	4	21	15	V	1.8	0	5.9	161
401430235	2013	4	21	16	V	2.1	0	5.48	162
401430235	2013	4	21	17	V	3.7	0	5.7	163
401430235	2013	4	21	18	V	3.7	0	4.93	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	21	19	V	1.5	0	3.8	165
401430235	2013	4	21	20	V	3.0	0	1.96	172
401430235	2013	4	21	21	V	3.1	0	0.63	248
401430235	2013	4	21	22	C	-999	0	0	0
401430235	2013	4	21	23	C	-999	0	0	0
401430235	2013	4	21	24	C	-999	0	0	0
401430235	2013	4	22	1	V	2.2	0	0.63	202
401430235	2013	4	22	2	V	1.0	0	1.74	162
401430235	2013	4	22	3	V	0.7	0	1.26	185
401430235	2013	4	22	4	V	1.1	0	0.79	212
401430235	2013	4	22	5	V	2.2	0	0.77	174
401430235	2013	4	22	6	V	0.9	0	1.03	160
401430235	2013	4	22	7	V	1.4	0	1.3	190
401430235	2013	4	22	8	V	4.1	0	2.89	155
401430235	2013	4	22	9	V	1.4	0	4.77	163
401430235	2013	4	22	10	V	2.5	0	6.48	169
401430235	2013	4	22	11	V	2.0	0	7.6	168
401430235	2013	4	22	12	V	2.3	0	7.13	170
401430235	2013	4	22	13	V	2.4	0	7.15	169
401430235	2013	4	22	14	V	2.4	0	7.67	172
401430235	2013	4	22	15	V	1.8	0	7.35	173
401430235	2013	4	22	16	V	2.1	0	7.11	178
401430235	2013	4	22	17	V	3.7	0	6.4	172
401430235	2013	4	22	18	V	3.8	0	5.43	170
401430235	2013	4	22	19	V	1.6	0	2.79	166
401430235	2013	4	22	20	V	2.9	0	4.48	166
401430235	2013	4	22	21	V	2.7	0	4.48	169
401430235	2013	4	22	22	V	1.4	0	3.73	170
401430235	2013	4	22	23	V	1.1	0	3.27	166
401430235	2013	4	22	24	V	1.5	0	2.89	165
401430235	2013	4	23	1	V	1.3	0	3.76	155
401430235	2013	4	23	2	V	0.9	0	2.22	172
401430235	2013	4	23	3	V	0.5	0	1.5	204
401430235	2013	4	23	4	V	6.2	0	2.3	333
401430235	2013	4	23	5	V	1.4	0	4.88	356
401430235	2013	4	23	6	V	0.5	0	5.44	5
401430235	2013	4	23	7	V	1.1	0	4.25	360
401430235	2013	4	23	8	V	3.9	0	4.58	356
401430235	2013	4	23	9	V	1.3	0	4.66	358
401430235	2013	4	23	10	V	2.4	0	4.82	360
401430235	2013	4	23	11	V	1.9	0	4.83	353
401430235	2013	4	23	12	V	2.3	0	4.36	348
401430235	2013	4	23	13	V	2.5	0	4	347
401430235	2013	4	23	14	V	2.4	0	4.36	350
401430235	2013	4	23	15	V	1.7	0	4.49	354
401430235	2013	4	23	16	V	2.1	0	4.32	349

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	23	17	V	3.8	0	3.97	347
401430235	2013	4	23	18	V	3.7	0	4.12	353
401430235	2013	4	23	19	V	1.9	0	4.2	347
401430235	2013	4	23	20	V	3.3	0	3.91	347
401430235	2013	4	23	21	V	2.8	0	4.37	353
401430235	2013	4	23	22	V	2.6	0	3.83	342
401430235	2013	4	23	23	V	2.5	0	3.63	341
401430235	2013	4	23	24	V	2.4	0	3.47	343
401430235	2013	4	24	1	V	6.1	0	2.84	334
401430235	2013	4	24	2	V	5.6	0	3.49	332
401430235	2013	4	24	3	V	3.8	0	3.71	335
401430235	2013	4	24	4	V	1.5	0	2.16	340
401430235	2013	4	24	5	V	1.7	0	1.76	343
401430235	2013	4	24	6	V	3.5	0	1.72	337
401430235	2013	4	24	7	V	5.0	0	2.01	337
401430235	2013	4	24	8	V	5.2	0	2.47	341
401430235	2013	4	24	9	V	1.3	0	3.75	354
401430235	2013	4	24	10	V	2.9	0	3.01	348
401430235	2013	4	24	11	V	2.0	1	3.9	357
401430235	2013	4	24	12	V	2.4	0	3.29	356
401430235	2013	4	24	13	V	2.8	1	2.62	353
401430235	2013	4	24	14	V	4.4	1	2.35	315
401430235	2013	4	24	15	V	2.8	0	2.81	340
401430235	2013	4	24	16	V	2.5	0	3.27	32
401430235	2013	4	24	17	V	4.0	0	2.71	29
401430235	2013	4	24	18	V	4.1	0	2.35	30
401430235	2013	4	24	19	V	1.6	0	1.06	360
401430235	2013	4	24	20	V	3.5	0	0.72	218
401430235	2013	4	24	21	V	3.3	0	0.84	163
401430235	2013	4	24	22	V	1.5	0	1.06	237
401430235	2013	4	24	23	V	1.2	0	1.06	234
401430235	2013	4	24	24	V	2.5	0	0.57	221
401430235	2013	4	25	1	V	2.1	0	0.58	237
401430235	2013	4	25	2	V	2.0	0	0.53	257
401430235	2013	4	25	3	V	1.0	0	0.7	223
401430235	2013	4	25	4	V	0.8	0	0.94	223
401430235	2013	4	25	5	V	2.0	0	0.8	199
401430235	2013	4	25	6	C	-999	0	0	0
401430235	2013	4	25	7	V	1.7	0	0.67	220
401430235	2013	4	25	8	V	5.5	0	0.79	155
401430235	2013	4	25	9	V	2.1	0	1.47	166
401430235	2013	4	25	10	V	3.0	0	1.45	162
401430235	2013	4	25	11	V	2.2	0	1.84	93
401430235	2013	4	25	12	V	2.4	0	2.44	146
401430235	2013	4	25	13	V	2.4	0	3.03	137
401430235	2013	4	25	14	V	2.4	0	4.39	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	25	15	V	1.8	0	4.56	173
401430235	2013	4	25	16	V	2.1	0	4.36	160
401430235	2013	4	25	17	V	3.7	0	4.44	158
401430235	2013	4	25	18	V	3.7	0	3.61	144
401430235	2013	4	25	19	V	1.5	0	3.71	129
401430235	2013	4	25	20	V	2.9	0	3.03	129
401430235	2013	4	25	21	V	2.7	0	2.59	144
401430235	2013	4	25	22	V	1.4	0	2.66	156
401430235	2013	4	25	23	V	1.1	0	3.92	174
401430235	2013	4	25	24	V	1.5	0	3.68	173
401430235	2013	4	26	1	V	1.3	0	5.6	173
401430235	2013	4	26	2	V	0.9	0	4.93	168
401430235	2013	4	26	3	V	0.5	0	4.36	174
401430235	2013	4	26	4	V	0.5	0	4.24	176
401430235	2013	4	26	5	V	1.4	0	3.93	167
401430235	2013	4	26	6	V	0.5	0	3.59	158
401430235	2013	4	26	7	V	1.1	0	3.98	167
401430235	2013	4	26	8	V	4.1	0	4.25	167
401430235	2013	4	26	9	V	1.3	0	3.1	73
401430235	2013	4	26	10	V	2.8	0	4.12	51
401430235	2013	4	26	11	V	1.9	0	5.62	68
401430235	2013	4	26	12	V	2.2	-999	5.65	98
401430235	2013	4	26	13	V	2.3	-999	5.73	106
401430235	2013	4	26	14	V	2.3	0	6.65	116
401430235	2013	4	26	15	V	1.7	0	5.73	122
401430235	2013	4	26	16	V	2.0	0	5.43	124
401430235	2013	4	26	17	V	3.6	0	3.73	122
401430235	2013	4	26	18	V	3.7	0	3.15	121
401430235	2013	4	26	19	V	1.5	0	3.29	113
401430235	2013	4	26	20	V	2.9	0	3.25	112
401430235	2013	4	26	21	V	2.7	0	3.07	103
401430235	2013	4	26	22	V	1.4	0	2.5	71
401430235	2013	4	26	23	V	1.1	0	1.98	64
401430235	2013	4	26	24	V	1.5	0	6.13	126
401430235	2013	4	27	1	V	3.8	0	3.1	37
401430235	2013	4	27	2	V	2.1	0	2.54	342
401430235	2013	4	27	3	V	0.5	0	1.89	354
401430235	2013	4	27	4	V	0.6	0	1.99	18
401430235	2013	4	27	5	V	1.5	0	1.38	351
401430235	2013	4	27	6	V	0.8	0	2.2	345
401430235	2013	4	27	7	V	1.3	0	1.67	351
401430235	2013	4	27	8	V	7.9	0	1.76	335
401430235	2013	4	27	9	V	4.7	0	2.47	331
401430235	2013	4	27	10	V	6.2	0	2.74	328
401430235	2013	4	27	11	V	6.8	0	2.66	321
401430235	2013	4	27	12	V	6.2	0	3.23	325

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	27	13	V	5.8	0	3.01	328
401430235	2013	4	27	14	V	5.9	0	2.98	327
401430235	2013	4	27	15	V	5.0	0	3.52	328
401430235	2013	4	27	16	V	2.1	0	2.89	353
401430235	2013	4	27	17	V	3.7	0	2.52	8
401430235	2013	4	27	18	V	3.8	0	1.96	19
401430235	2013	4	27	19	V	1.6	0	1.42	14
401430235	2013	4	27	20	V	3.5	0	0.72	358
401430235	2013	4	27	21	C	-999	0	0	0
401430235	2013	4	27	22	C	-999	0	0	0
401430235	2013	4	27	23	C	-999	0	0	0
401430235	2013	4	27	24	C	-999	0	0	0
401430235	2013	4	28	1	V	1.4	0	1.21	80
401430235	2013	4	28	2	V	1.2	0	0.87	27
401430235	2013	4	28	3	V	1.2	0	0.63	225
401430235	2013	4	28	4	V	1.0	0	0.87	203
401430235	2013	4	28	5	V	2.1	0	0.75	217
401430235	2013	4	28	6	V	1.1	0	1.23	215
401430235	2013	4	28	7	V	1.4	0	1.77	209
401430235	2013	4	28	8	V	4.2	0	2.66	188
401430235	2013	4	28	9	V	2.1	0	1.48	159
401430235	2013	4	28	10	V	2.8	0	1.84	173
401430235	2013	4	28	11	V	2.2	0	1.96	159
401430235	2013	4	28	12	V	2.5	0	1.98	156
401430235	2013	4	28	13	V	2.5	0	2.59	162
401430235	2013	4	28	14	V	2.5	0	2.61	154
401430235	2013	4	28	15	V	1.9	0	2.78	157
401430235	2013	4	28	16	V	2.1	0	3.12	155
401430235	2013	4	28	17	V	3.7	0	4.41	166
401430235	2013	4	28	18	V	3.7	0	4.36	155
401430235	2013	4	28	19	V	1.5	0	4.1	161
401430235	2013	4	28	20	V	2.9	0	2.72	165
401430235	2013	4	28	21	V	2.8	0	2.04	166
401430235	2013	4	28	22	V	1.4	0	2.93	179
401430235	2013	4	28	23	V	1.1	0	3.01	179
401430235	2013	4	28	24	V	1.5	0	1.82	160
401430235	2013	4	29	1	V	2.4	0	0.62	174
401430235	2013	4	29	2	V	2.0	0	0.63	166
401430235	2013	4	29	3	V	0.9	0	0.86	200
401430235	2013	4	29	4	V	0.9	0	1.06	211
401430235	2013	4	29	5	V	2.0	0	0.65	228
401430235	2013	4	29	6	V	0.6	0	2.22	191
401430235	2013	4	29	7	V	1.2	0	2.25	154
401430235	2013	4	29	8	V	4.1	0	2.95	168
401430235	2013	4	29	9	V	1.4	0	4.53	183
401430235	2013	4	29	10	V	2.5	0	5.36	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	4	29	11	V	2.0	0	5.51	190
401430235	2013	4	29	12	V	2.3	0	5.84	189
401430235	2013	4	29	13	V	2.5	0	6.84	188
401430235	2013	4	29	14	V	2.4	0	7.35	186
401430235	2013	4	29	15	V	1.8	0	7.13	188
401430235	2013	4	29	16	V	2.1	0	7.77	196
401430235	2013	4	29	17	V	3.7	0	8.25	192
401430235	2013	4	29	18	V	3.8	0	7.64	186
401430235	2013	4	29	19	V	1.6	0	6.06	188
401430235	2013	4	29	20	V	2.9	0	4.26	184
401430235	2013	4	29	21	V	2.7	0	4.85	186
401430235	2013	4	29	22	V	1.4	0	5.51	188
401430235	2013	4	29	23	V	1.1	0	7.08	183
401430235	2013	4	29	24	V	1.5	0	5.89	190
401430235	2013	4	30	1	V	1.3	0	4.77	190
401430235	2013	4	30	2	V	0.9	0	4.51	184
401430235	2013	4	30	3	V	0.5	0	3.66	188
401430235	2013	4	30	4	V	0.6	0	2.42	191
401430235	2013	4	30	5	V	1.5	0	1.31	150
401430235	2013	4	30	6	V	1.2	0	0.75	158
401430235	2013	4	30	7	V	1.3	0	1.3	141
401430235	2013	4	30	8	V	4.1	0	3.46	178
401430235	2013	4	30	9	V	1.4	0	5.68	187
401430235	2013	4	30	10	V	2.5	0	6.45	189
401430235	2013	4	30	11	V	2.0	0	7.55	186
401430235	2013	4	30	12	V	2.3	0	6.94	178
401430235	2013	4	30	13	V	2.4	0	7.16	173
401430235	2013	4	30	14	V	2.4	0	7.43	168
401430235	2013	4	30	15	V	1.8	0	7.04	167
401430235	2013	4	30	16	V	2.0	0	6.96	158
401430235	2013	4	30	17	V	3.7	0	6.55	161
401430235	2013	4	30	18	V	3.8	0	6.13	166
401430235	2013	4	30	19	V	1.5	0	4.8	166
401430235	2013	4	30	20	V	2.9	0	3.1	171
401430235	2013	4	30	21	V	2.7	0	2.76	159
401430235	2013	4	30	22	V	1.4	0	2.81	159
401430235	2013	4	30	23	V	1.1	0	1.98	164
401430235	2013	4	30	24	V	1.5	0	2.33	174
401430235	2013	5	1	1	V	1.3	0	3.54	173
401430235	2013	5	1	2	V	0.9	0	3.57	178
401430235	2013	5	1	3	V	0.4	0	3.01	178
401430235	2013	5	1	4	V	0.6	0	2.35	166
401430235	2013	5	1	5	V	1.4	0	2.18	153
401430235	2013	5	1	6	V	0.6	0	1.82	157
401430235	2013	5	1	7	V	1.1	0	2.78	152
401430235	2013	5	1	8	V	4.0	0	4.32	151

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	1	9	V	1.3	0	5.53	144
401430235	2013	5	1	10	V	2.4	0	5.04	152
401430235	2013	5	1	11	V	2.0	0	4.39	173
401430235	2013	5	1	12	V	2.3	0	3.8	168
401430235	2013	5	1	13	V	2.5	0	3.61	175
401430235	2013	5	1	14	V	2.3	0	5.33	145
401430235	2013	5	1	15	V	1.7	0	5.65	136
401430235	2013	5	1	16	V	2.0	0	5.56	147
401430235	2013	5	1	17	V	3.6	0	4.97	143
401430235	2013	5	1	18	V	3.7	0	4.7	145
401430235	2013	5	1	19	V	1.5	0	4.39	148
401430235	2013	5	1	20	V	2.9	0	4.46	140
401430235	2013	5	1	21	V	2.7	0	4.31	138
401430235	2013	5	1	22	V	1.4	0	3.22	139
401430235	2013	5	1	23	V	1.1	0	3.17	174
401430235	2013	5	1	24	V	1.6	0	4.17	350
401430235	2013	5	2	1	V	2.5	0	3.71	340
401430235	2013	5	2	2	V	3.3	0	3.59	337
401430235	2013	5	2	3	V	1.6	0	4	341
401430235	2013	5	2	4	V	1.5	0	4.2	343
401430235	2013	5	2	5	V	1.4	0	4.46	356
401430235	2013	5	2	6	V	0.6	0	4.49	354
401430235	2013	5	2	7	V	1.6	0	4.12	347
401430235	2013	5	2	8	V	3.9	0	5.17	351
401430235	2013	5	2	9	V	1.3	0	5.07	350
401430235	2013	5	2	10	V	2.4	0	5.67	4
401430235	2013	5	2	11	V	1.9	0	5.04	352
401430235	2013	5	2	12	V	2.3	0	6.18	349
401430235	2013	5	2	13	V	2.4	0	4.78	353
401430235	2013	5	2	14	V	2.3	0	5.62	354
401430235	2013	5	2	15	V	1.7	0	6.13	354
401430235	2013	5	2	16	V	2.0	0	5.6	351
401430235	2013	5	2	17	V	3.6	0	5.73	356
401430235	2013	5	2	18	V	3.7	0	5.56	353
401430235	2013	5	2	19	V	1.6	0	5.39	355
401430235	2013	5	2	20	V	3.0	0	5.48	353
401430235	2013	5	2	21	V	2.7	0	5.68	358
401430235	2013	5	2	22	V	1.4	0	5.29	1
401430235	2013	5	2	23	V	1.1	0	5.5	3
401430235	2013	5	2	24	V	1.5	0	5.62	5
401430235	2013	5	3	1	V	1.3	0	4.02	360
401430235	2013	5	3	2	V	3.3	0	2.93	339
401430235	2013	5	3	3	V	12.6	0	1.86	312
401430235	2013	5	3	4	V	5.3	0	1.74	305
401430235	2013	5	3	5	V	12.6	0	2.11	311
401430235	2013	5	3	6	V	9.4	0	2.59	316

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	3	7	V	4.8	0	2.74	327
401430235	2013	5	3	8	V	5.4	1	3.95	335
401430235	2013	5	3	9	V	1.7	1	4.94	343
401430235	2013	5	3	10	V	3.2	2	5.41	340
401430235	2013	5	3	11	V	3.0	3	5.8	337
401430235	2013	5	3	12	V	3.9	1	5.82	332
401430235	2013	5	3	13	V	4.2	3	6.04	330
401430235	2013	5	3	14	V	4.0	3	6.33	332
401430235	2013	5	3	15	V	3.3	1	6.43	334
401430235	2013	5	3	16	V	2.8	3	6.21	341
401430235	2013	5	3	17	V	5.3	4	5.67	335
401430235	2013	5	3	18	V	7.2	4	4.85	323
401430235	2013	5	3	19	V	6.3	4	4.25	332
401430235	2013	5	3	20	V	7.2	7	2.98	333
401430235	2013	5	3	21	V	2.7	0	2.15	356
401430235	2013	5	3	22	V	14.9	0	0.99	327
401430235	2013	5	3	23	V	1.1	0	2.08	93
401430235	2013	5	3	24	V	1.5	0	1.47	247
401430235	2013	5	4	1	V	1.5	0	0.94	262
401430235	2013	5	4	2	V	9.4	0	0.84	305
401430235	2013	5	4	3	V	0.5	0	3.03	14
401430235	2013	5	4	4	V	0.6	0	2.45	9
401430235	2013	5	4	5	V	1.4	0	1.88	269
401430235	2013	5	4	6	V	10.9	0	2.08	319
401430235	2013	5	4	7	V	11.7	0	2.28	323
401430235	2013	5	4	8	V	8.1	0	2.9	311
401430235	2013	5	4	9	V	4.7	0	2.96	308
401430235	2013	5	4	10	V	5.5	0	3.03	307
401430235	2013	5	4	11	V	5.2	0	3.35	311
401430235	2013	5	4	12	V	4.9	0	3.63	306
401430235	2013	5	4	13	V	2.7	0	3.85	294
401430235	2013	5	4	14	V	4.3	0	3.64	303
401430235	2013	5	4	15	V	2.5	0	3.35	296
401430235	2013	5	4	16	V	5.8	0	3	311
401430235	2013	5	4	17	V	8.1	0	2.86	316
401430235	2013	5	4	18	V	6.2	0	3.15	332
401430235	2013	5	4	19	V	8.4	0	2.91	329
401430235	2013	5	4	20	V	12.0	0	2.3	324
401430235	2013	5	4	21	V	3.2	0	2.08	343
401430235	2013	5	4	22	V	5.4	0	2.11	335
401430235	2013	5	4	23	V	8.6	0	1.96	329
401430235	2013	5	4	24	V	4.7	0	1.84	336
401430235	2013	5	5	1	V	1.3	0	2.52	2
401430235	2013	5	5	2	V	0.9	0	2.49	358
401430235	2013	5	5	3	V	0.5	0	2.08	1
401430235	2013	5	5	4	V	0.6	0	1.59	346

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	5	5	V	9.6	0	1.55	332
401430235	2013	5	5	6	V	10.4	0	1.59	325
401430235	2013	5	5	7	V	13.8	0	1.67	316
401430235	2013	5	5	8	V	9.0	0	1.88	314
401430235	2013	5	5	9	V	4.8	0	2.88	328
401430235	2013	5	5	10	V	3.9	0	3	338
401430235	2013	5	5	11	V	2.0	0	3.34	353
401430235	2013	5	5	12	V	2.7	0	2.79	347
401430235	2013	5	5	13	V	3.4	0	2.61	342
401430235	2013	5	5	14	V	4.7	0	2.27	334
401430235	2013	5	5	15	V	3.4	0	2.32	338
401430235	2013	5	5	16	V	4.1	1	2.79	335
401430235	2013	5	5	17	V	6.8	1	2.55	330
401430235	2013	5	5	18	V	5.9	2	2.37	334
401430235	2013	5	5	19	V	10.0	1	1.71	329
401430235	2013	5	5	20	V	4.5	0	0.89	344
401430235	2013	5	5	21	V	4.7	0	1.3	340
401430235	2013	5	5	22	V	5.7	0	0.99	300
401430235	2013	5	5	23	V	15.9	0	1.09	321
401430235	2013	5	5	24	V	12.4	0	1.21	331
401430235	2013	5	6	1	V	16.1	0	0.82	318
401430235	2013	5	6	2	V	4.1	0	0.63	292
401430235	2013	5	6	3	V	2.8	0	0.62	289
401430235	2013	5	6	4	V	0.8	0	0.97	278
401430235	2013	5	6	5	V	5.9	0	1.21	302
401430235	2013	5	6	6	V	11.8	0	1.33	329
401430235	2013	5	6	7	V	1.1	0	2.91	9
401430235	2013	5	6	8	V	4.0	0	2.54	11
401430235	2013	5	6	9	V	1.4	0	2.33	360
401430235	2013	5	6	10	V	3.6	0	2.15	345
401430235	2013	5	6	11	V	3.4	0	2.11	344
401430235	2013	5	6	12	V	4.2	0	2.16	340
401430235	2013	5	6	13	V	2.4	0	2.71	8
401430235	2013	5	6	14	V	2.4	0	2.9	17
401430235	2013	5	6	15	V	2.7	0	2.21	32
401430235	2013	5	6	16	V	3.0	0	1.96	36
401430235	2013	5	6	17	V	4.4	0	2.67	31
401430235	2013	5	6	18	V	3.8	0	1.94	13
401430235	2013	5	6	19	V	1.6	0	1.23	19
401430235	2013	5	6	20	V	4.2	0	1.43	34
401430235	2013	5	6	21	C	-999	0	0	0
401430235	2013	5	6	22	V	16.0	0	0.67	319
401430235	2013	5	6	23	V	11.9	0	0.53	330
401430235	2013	5	6	24	V	4.4	0	0.91	296
401430235	2013	5	7	1	C	-999	0	0	0
401430235	2013	5	7	2	V	1.9	0	0.57	276

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	7	3	C	-999	0	0	0
401430235	2013	5	7	4	V	1.5	0	0.57	25
401430235	2013	5	7	5	V	2.5	0	0.52	268
401430235	2013	5	7	6	V	1.0	0	0.74	2
401430235	2013	5	7	7	V	2.0	0	0.69	238
401430235	2013	5	7	8	V	5.1	0	1.06	215
401430235	2013	5	7	9	V	1.7	0	1.48	141
401430235	2013	5	7	10	V	2.7	0	2.03	195
401430235	2013	5	7	11	V	2.4	0	1.48	188
401430235	2013	5	7	12	V	2.4	0	2.22	138
401430235	2013	5	7	13	V	2.6	0	1.86	150
401430235	2013	5	7	14	V	2.5	0	2.27	157
401430235	2013	5	7	15	V	1.8	0	2.47	117
401430235	2013	5	7	16	V	2.1	0	2.86	137
401430235	2013	5	7	17	V	3.7	0	3.88	149
401430235	2013	5	7	18	V	3.8	0	3.75	169
401430235	2013	5	7	19	V	1.6	0	3.01	165
401430235	2013	5	7	20	V	3.1	0	1.06	118
401430235	2013	5	7	21	C	-999	0	0	0
401430235	2013	5	7	22	C	-999	0	0	0
401430235	2013	5	7	23	V	1.4	0	1.03	200
401430235	2013	5	7	24	V	1.7	0	1.33	159
401430235	2013	5	8	1	V	1.4	0	1.65	180
401430235	2013	5	8	2	V	1.2	0	1.43	164
401430235	2013	5	8	3	V	0.5	0	1.98	167
401430235	2013	5	8	4	V	0.6	0	1.93	163
401430235	2013	5	8	5	V	1.4	0	2.1	155
401430235	2013	5	8	6	V	0.5	0	2.52	163
401430235	2013	5	8	7	V	1.2	0	2.93	167
401430235	2013	5	8	8	V	4.1	0	2.35	130
401430235	2013	5	8	9	V	1.4	0	3.18	146
401430235	2013	5	8	10	V	2.5	0	3.08	142
401430235	2013	5	8	11	V	2.0	0	3.13	106
401430235	2013	5	8	12	V	2.2	0	4.63	142
401430235	2013	5	8	13	V	2.4	0	5.85	169
401430235	2013	5	8	14	V	2.4	0	6.16	159
401430235	2013	5	8	15	V	1.8	0	6.45	166
401430235	2013	5	8	16	V	2.1	0	7.62	172
401430235	2013	5	8	17	V	3.7	0	7.2	169
401430235	2013	5	8	18	V	3.8	0	5.96	171
401430235	2013	5	8	19	V	1.5	1	5.29	179
401430235	2013	5	8	20	V	2.9	0	3.61	172
401430235	2013	5	8	21	V	2.7	0	4.09	186
401430235	2013	5	8	22	V	1.7	0	2.17	210
401430235	2013	5	8	23	M	-999	0	999	999
401430235	2013	5	8	24	M	-999	0	999	999

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	9	1	M	-999	0	999	999
401430235	2013	5	9	2	M	-999	0	999	999
401430235	2013	5	9	3	M	-999	0	999	999
401430235	2013	5	9	4	M	-999	0	999	999
401430235	2013	5	9	5	M	-999	0	999	999
401430235	2013	5	9	6	V	3.2	0	1.28	36
401430235	2013	5	9	7	V	1.3	0	1.84	152
401430235	2013	5	9	8	V	4.0	0	3.1	136
401430235	2013	5	9	9	V	1.4	0	3.32	165
401430235	2013	5	9	10	V	2.6	0	3.57	176
401430235	2013	5	9	11	V	2.1	0	3.52	177
401430235	2013	5	9	12	V	2.4	0	3.85	174
401430235	2013	5	9	13	V	2.5	0	4.17	185
401430235	2013	5	9	14	V	2.5	0	4.24	197
401430235	2013	5	9	15	V	1.8	0	3.51	213
401430235	2013	5	9	16	V	2.2	0	1.82	215
401430235	2013	5	9	17	V	3.8	0	2.22	192
401430235	2013	5	9	18	V	3.9	0	1.54	225
401430235	2013	5	9	19	V	1.6	0	0.92	266
401430235	2013	5	9	20	V	3.3	0	0.75	241
401430235	2013	5	9	21	V	2.9	0	0.94	259
401430235	2013	5	9	22	C	-999	0	0	0
401430235	2013	5	9	23	V	1.6	0	1.26	289
401430235	2013	5	9	24	V	1.8	0	0.82	264
401430235	2013	5	10	1	V	1.4	0	1.43	229
401430235	2013	5	10	2	V	1.2	0	0.96	148
401430235	2013	5	10	3	V	0.9	0	0.84	279
401430235	2013	5	10	4	V	5.0	0	0.96	300
401430235	2013	5	10	5	V	1.4	0	1.81	9
401430235	2013	5	10	6	V	0.6	0	1.67	346
401430235	2013	5	10	7	V	3.5	0	1.65	337
401430235	2013	5	10	8	V	4.0	0	3.37	360
401430235	2013	5	10	9	V	2.1	0	3.17	343
401430235	2013	5	10	10	V	5.8	-999	3.03	320
401430235	2013	5	10	11	V	2.2	-999	3.51	350
401430235	2013	5	10	12	V	2.9	1	3.18	345
401430235	2013	5	10	13	V	3.0	0	2.81	348
401430235	2013	5	10	14	V	2.4	0	3.42	360
401430235	2013	5	10	15	V	1.7	0	3.23	15
401430235	2013	5	10	16	V	2.1	0	3.39	355
401430235	2013	5	10	17	V	3.7	0	3.44	360
401430235	2013	5	10	18	V	3.7	0	4.1	15
401430235	2013	5	10	19	V	1.5	0	4.87	12
401430235	2013	5	10	20	V	2.9	0	3.63	20
401430235	2013	5	10	21	V	2.8	0	1.67	360
401430235	2013	5	10	22	V	6.1	0	0.63	296

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	10	23	V	2.2	0	0.74	285
401430235	2013	5	10	24	C	-999	0	0	0
401430235	2013	5	11	1	V	1.7	0	0.74	236
401430235	2013	5	11	2	V	1.8	0	0.6	269
401430235	2013	5	11	3	V	14.9	0	0.65	316
401430235	2013	5	11	4	V	2.2	0	0.67	287
401430235	2013	5	11	5	V	1.7	0	0.79	238
401430235	2013	5	11	6	V	0.9	0	0.75	228
401430235	2013	5	11	7	V	1.8	0	0.86	233
401430235	2013	5	11	8	V	4.7	0	1.23	265
401430235	2013	5	11	9	V	2.2	1	1.93	288
401430235	2013	5	11	10	V	5.2	2	2.22	322
401430235	2013	5	11	11	V	3.9	2	2.64	318
401430235	2013	5	11	12	V	3.2	2	2.84	340
401430235	2013	5	11	13	V	2.3	1	3.8	5
401430235	2013	5	11	14	V	2.4	0	4.56	15
401430235	2013	5	11	15	V	1.7	0	6.41	17
401430235	2013	5	11	16	V	2.0	0	6.48	13
401430235	2013	5	11	17	V	3.6	0	5.99	16
401430235	2013	5	11	18	V	3.7	0	5.36	12
401430235	2013	5	11	19	V	1.5	0	4.61	11
401430235	2013	5	11	20	V	2.9	0	2.86	7
401430235	2013	5	11	21	V	2.7	0	2.23	357
401430235	2013	5	11	22	V	1.5	0	1.74	354
401430235	2013	5	11	23	C	-999	0	0	0
401430235	2013	5	11	24	V	10.8	0	1.76	328
401430235	2013	5	12	1	C	-999	0	0	0
401430235	2013	5	12	2	C	-999	0	0	0
401430235	2013	5	12	3	C	-999	0	0	0
401430235	2013	5	12	4	C	-999	0	0	0
401430235	2013	5	12	5	V	1.8	0	0.9	205
401430235	2013	5	12	6	V	0.6	0	1.38	238
401430235	2013	5	12	7	V	5.6	0	1.52	331
401430235	2013	5	12	8	V	6.2	1	2.06	34
401430235	2013	5	12	9	V	1.5	0	1.86	79
401430235	2013	5	12	10	V	2.6	0	2.01	95
401430235	2013	5	12	11	V	2.1	0	2.1	116
401430235	2013	5	12	12	V	2.5	0	1.91	127
401430235	2013	5	12	13	V	2.5	0	2.28	132
401430235	2013	5	12	14	V	2.5	0	2.62	141
401430235	2013	5	12	15	V	1.9	0	2.59	171
401430235	2013	5	12	16	V	2.2	0	2.76	173
401430235	2013	5	12	17	V	3.7	0	4.07	162
401430235	2013	5	12	18	V	3.8	0	3.69	161
401430235	2013	5	12	19	V	1.5	0	3.81	137
401430235	2013	5	12	20	V	2.9	0	2.5	139

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	12	21	V	2.7	0	1.89	136
401430235	2013	5	12	22	V	1.4	0	1.89	150
401430235	2013	5	12	23	V	1.9	0	0.72	185
401430235	2013	5	12	24	V	2.5	0	0.58	217
401430235	2013	5	13	1	V	1.5	0	1.37	196
401430235	2013	5	13	2	V	1.2	0	1.38	166
401430235	2013	5	13	3	V	1.3	0	0.67	157
401430235	2013	5	13	4	V	1.0	0	1.04	187
401430235	2013	5	13	5	V	1.8	0	1.08	184
401430235	2013	5	13	6	V	0.7	0	1.52	196
401430235	2013	5	13	7	V	1.2	0	3.52	186
401430235	2013	5	13	8	V	4.0	0	5.29	195
401430235	2013	5	13	9	V	1.3	0	4.58	203
401430235	2013	5	13	10	V	2.5	0	5.04	219
401430235	2013	5	13	11	V	1.9	0	4.39	227
401430235	2013	5	13	12	V	2.2	0	4.27	232
401430235	2013	5	13	13	V	2.4	0	3.78	230
401430235	2013	5	13	14	V	2.4	0	3.35	224
401430235	2013	5	13	15	V	1.8	0	3.03	231
401430235	2013	5	13	16	V	2.1	0	3.15	231
401430235	2013	5	13	17	V	3.7	0	3.23	217
401430235	2013	5	13	18	V	3.8	0	3.49	213
401430235	2013	5	13	19	V	1.8	0	2.47	210
401430235	2013	5	13	20	V	3.5	0	0.53	230
401430235	2013	5	13	21	V	2.8	0	1.35	207
401430235	2013	5	13	22	V	1.4	0	3.93	195
401430235	2013	5	13	23	V	1.1	0	2.93	204
401430235	2013	5	13	24	V	1.5	0	2.67	200
401430235	2013	5	14	1	V	1.5	0	1.62	197
401430235	2013	5	14	2	V	0.9	0	2.54	207
401430235	2013	5	14	3	V	0.5	0	1.77	181
401430235	2013	5	14	4	V	0.7	0	1.69	194
401430235	2013	5	14	5	V	1.5	0	1.81	197
401430235	2013	5	14	6	V	1.1	0	0.8	220
401430235	2013	5	14	7	V	1.3	0	1.88	197
401430235	2013	5	14	8	V	4.1	0	3.72	214
401430235	2013	5	14	9	V	1.3	0	3.98	225
401430235	2013	5	14	10	V	2.4	1	3.5	235
401430235	2013	5	14	11	V	1.9	1	4.49	225
401430235	2013	5	14	12	M	-999	1	4.87	211
401430235	2013	5	14	13	M	-999	0	4.85	210
401430235	2013	5	14	14	M	-999	0	8.04	194
401430235	2013	5	14	15	M	-999	0	999	999
401430235	2013	5	14	16	M	-999	0	7.8	195
401430235	2013	5	14	17	M	-999	0	6.89	192
401430235	2013	5	14	18	M	-999	0	6.55	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	14	19	M	-999	0	5.75	184
401430235	2013	5	14	20	V	2.9	0	3.83	186
401430235	2013	5	14	21	V	2.7	0	4.54	183
401430235	2013	5	14	22	V	1.4	0	3.78	182
401430235	2013	5	14	23	V	1.1	0	2.91	187
401430235	2013	5	14	24	V	1.5	0	3.68	189
401430235	2013	5	15	1	V	1.3	0	2.86	189
401430235	2013	5	15	2	V	1.1	0	1.72	188
401430235	2013	5	15	3	V	0.7	0	1.28	187
401430235	2013	5	15	4	V	0.6	0	2.49	183
401430235	2013	5	15	5	V	1.4	0	3.03	182
401430235	2013	5	15	6	V	0.5	0	3.01	179
401430235	2013	5	15	7	V	1.2	0	5.12	185
401430235	2013	5	15	8	V	4.1	0	5.38	190
401430235	2013	5	15	9	V	1.4	0	5.24	183
401430235	2013	5	15	10	V	2.5	0	5.92	185
401430235	2013	5	15	11	V	2.0	0	6.52	193
401430235	2013	5	15	12	V	2.3	0	4.9	185
401430235	2013	5	15	13	V	2.5	0	3.85	182
401430235	2013	5	15	14	V	2.5	0	3.78	171
401430235	2013	5	15	15	V	1.8	0	3.83	156
401430235	2013	5	15	16	V	2.1	0	4.03	159
401430235	2013	5	15	17	V	3.7	0	3.13	138
401430235	2013	5	15	18	V	3.8	0	2.47	116
401430235	2013	5	15	19	V	1.5	0	3.93	129
401430235	2013	5	15	20	V	2.9	0	6.16	144
401430235	2013	5	15	21	V	2.7	0	5.39	106
401430235	2013	5	15	22	V	1.4	0	6.11	138
401430235	2013	5	15	23	V	1.1	0	4.56	164
401430235	2013	5	15	24	V	1.5	0	2.27	162
401430235	2013	5	16	1	V	1.4	0	1.03	238
401430235	2013	5	16	2	V	10.8	0	0.97	333
401430235	2013	5	16	3	V	14.4	0	0.74	325
401430235	2013	5	16	4	V	0.9	0	0.84	15
401430235	2013	5	16	5	V	1.6	0	1.09	23
401430235	2013	5	16	6	V	0.8	0	0.92	77
401430235	2013	5	16	7	V	1.2	0	1.6	105
401430235	2013	5	16	8	V	4.2	0	1.65	112
401430235	2013	5	16	9	V	1.3	0	3.08	111
401430235	2013	5	16	10	V	2.5	0	2.89	125
401430235	2013	5	16	11	V	2.0	0	2.95	142
401430235	2013	5	16	12	V	2.4	0	3.44	179
401430235	2013	5	16	13	V	2.5	-999	3.03	183
401430235	2013	5	16	14	V	2.5	0	2.27	148
401430235	2013	5	16	15	V	1.9	0	2.1	91
401430235	2013	5	16	16	V	2.2	0	1.77	103

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	16	17	V	3.7	0	2.22	124
401430235	2013	5	16	18	V	3.8	0	2.01	118
401430235	2013	5	16	19	V	1.5	0	2.72	145
401430235	2013	5	16	20	V	2.9	0	2.86	147
401430235	2013	5	16	21	V	2.7	0	2.03	145
401430235	2013	5	16	22	V	1.8	0	1.08	183
401430235	2013	5	16	23	V	1.9	0	0.64	209
401430235	2013	5	16	24	V	1.6	0	1.38	153
401430235	2013	5	17	1	V	1.9	0	0.79	157
401430235	2013	5	17	2	V	1.4	0	0.91	199
401430235	2013	5	17	3	V	0.7	0	0.96	229
401430235	2013	5	17	4	V	1.3	0	0.72	197
401430235	2013	5	17	5	V	1.9	0	0.89	198
401430235	2013	5	17	6	V	0.7	0	1.06	112
401430235	2013	5	17	7	V	1.4	0	1.03	140
401430235	2013	5	17	8	V	4.2	0	1.99	163
401430235	2013	5	17	9	V	1.8	0	1.38	132
401430235	2013	5	17	10	V	2.6	0	2.45	85
401430235	2013	5	17	11	V	1.9	0	3.27	141
401430235	2013	5	17	12	V	2.2	0	3.37	148
401430235	2013	5	17	13	V	2.4	0	2.57	135
401430235	2013	5	17	14	V	2.4	0	2.83	129
401430235	2013	5	17	15	V	1.8	0	2.88	126
401430235	2013	5	17	16	V	2.1	0	3.07	149
401430235	2013	5	17	17	V	3.6	0	3.52	134
401430235	2013	5	17	18	V	3.7	0	3.64	143
401430235	2013	5	17	19	V	1.5	0	3.34	136
401430235	2013	5	17	20	V	2.9	0	2.38	147
401430235	2013	5	17	21	V	2.9	0	1.55	172
401430235	2013	5	17	22	V	1.8	0	1.14	175
401430235	2013	5	17	23	V	1.1	0	1.93	142
401430235	2013	5	17	24	V	1.5	0	1.67	138
401430235	2013	5	18	1	V	1.4	0	1.69	140
401430235	2013	5	18	2	V	1.0	0	1.6	148
401430235	2013	5	18	3	V	0.9	0	1.09	168
401430235	2013	5	18	4	V	2.7	0	1.69	46
401430235	2013	5	18	5	V	1.4	0	1.91	106
401430235	2013	5	18	6	V	0.5	0	2.52	137
401430235	2013	5	18	7	V	1.1	0	3.24	146
401430235	2013	5	18	8	V	4.0	0	4.36	167
401430235	2013	5	18	9	V	1.4	0	3.91	170
401430235	2013	5	18	10	V	2.6	0	3.88	174
401430235	2013	5	18	11	V	2.0	0	4.76	183
401430235	2013	5	18	12	V	2.3	0	5.05	178
401430235	2013	5	18	13	V	2.4	0	5.44	164
401430235	2013	5	18	14	V	2.4	0	5.12	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	18	15	V	1.8	0	5.6	164
401430235	2013	5	18	16	V	2.1	0	5.94	167
401430235	2013	5	18	17	V	3.7	0	5.67	163
401430235	2013	5	18	18	V	3.8	0	5.89	160
401430235	2013	5	18	19	V	1.6	0	5.46	167
401430235	2013	5	18	20	V	2.9	0	4.58	161
401430235	2013	5	18	21	V	2.7	0	4.87	170
401430235	2013	5	18	22	V	1.4	0	2.95	175
401430235	2013	5	18	23	V	1.1	0	3.03	178
401430235	2013	5	18	24	V	1.5	0	5.58	235
401430235	2013	5	19	1	V	1.3	0	1.94	77
401430235	2013	5	19	2	V	0.9	0	3	151
401430235	2013	5	19	3	V	0.4	0	3.07	150
401430235	2013	5	19	4	V	0.5	0	3.63	147
401430235	2013	5	19	5	V	1.5	0	1.4	358
401430235	2013	5	19	6	V	0.5	0	2.59	17
401430235	2013	5	19	7	V	1.2	0	2.5	121
401430235	2013	5	19	8	V	4.0	0	4.05	158
401430235	2013	5	19	9	V	1.4	0	5.27	179
401430235	2013	5	19	10	V	2.5	0	5.96	177
401430235	2013	5	19	11	V	2.0	0	6.04	178
401430235	2013	5	19	12	V	2.3	0	6.91	175
401430235	2013	5	19	13	V	2.4	0	7.45	176
401430235	2013	5	19	14	V	2.4	0	7.79	183
401430235	2013	5	19	15	V	1.8	0	7.2	182
401430235	2013	5	19	16	V	2.1	0	7.2	183
401430235	2013	5	19	17	V	3.7	0	6.64	178
401430235	2013	5	19	18	V	3.8	0	7.43	185
401430235	2013	5	19	19	V	1.6	0	4.99	216
401430235	2013	5	19	20	V	3.0	0	6.45	188
401430235	2013	5	19	21	V	2.8	0	6.57	182
401430235	2013	5	19	22	V	1.4	0	4.02	186
401430235	2013	5	19	23	V	1.1	0	3.49	184
401430235	2013	5	19	24	V	1.5	0	4.88	182
401430235	2013	5	20	1	V	1.4	0	7.31	187
401430235	2013	5	20	2	V	1.1	0	7.49	191
401430235	2013	5	20	3	V	0.5	0	4.86	189
401430235	2013	5	20	4	V	0.6	0	4.86	187
401430235	2013	5	20	5	V	1.4	0	2.86	184
401430235	2013	5	20	6	V	0.5	0	3.86	172
401430235	2013	5	20	7	V	1.2	0	5.36	177
401430235	2013	5	20	8	V	4.2	0	2.36	160
401430235	2013	5	20	9	V	1.4	0	3.36	179
401430235	2013	5	20	10	V	2.6	0	2.86	191
401430235	2013	5	20	11	V	2.1	0	3.86	184
401430235	2013	5	20	12	V	2.3	0	3.86	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	20	13	V	2.4	0	6.46	189
401430235	2013	5	20	14	V	2.4	0	5.96	177
401430235	2013	5	20	15	V	1.8	0	6.96	180
401430235	2013	5	20	16	V	2.1	0	6.46	189
401430235	2013	5	20	17	V	3.7	0	6.96	180
401430235	2013	5	20	18	C	-999	0	0	0
401430235	2013	5	20	19	V	1.5	0	2.86	354
401430235	2013	5	20	20	C	-999	0	0	0
401430235	2013	5	20	21	V	2.8	0	1.58	143
401430235	2013	5	20	22	V	1.5	0	2.28	195
401430235	2013	5	20	23	V	1.4	0	1.94	290
401430235	2013	5	20	24	V	1.8	0	0.82	234
401430235	2013	5	21	1	V	1.5	0	1.76	170
401430235	2013	5	21	2	V	1.1	0	1.43	200
401430235	2013	5	21	3	V	0.5	0	2.1	169
401430235	2013	5	21	4	V	0.7	0	1.2	267
401430235	2013	5	21	5	V	1.7	0	0.8	260
401430235	2013	5	21	6	V	0.5	0	2.22	3
401430235	2013	5	21	7	V	1.2	0	2.27	9
401430235	2013	5	21	8	V	3.9	0	6.01	16
401430235	2013	5	21	9	V	1.3	0	3.25	356
401430235	2013	5	21	10	V	5.4	0	2.21	331
401430235	2013	5	21	11	V	2.2	0	2.88	350
401430235	2013	5	21	12	V	2.3	0	3.46	17
401430235	2013	5	21	13	V	3.7	0	3.08	299
401430235	2013	5	21	14	V	2.4	0	2.37	274
401430235	2013	5	21	15	V	1.7	0	6.33	147
401430235	2013	5	21	16	V	2.8	0	4.03	51
401430235	2013	5	21	17	V	4.6	0	2.03	291
401430235	2013	5	21	18	V	4.3	0	2.13	288
401430235	2013	5	21	19	V	1.9	0	1.64	223
401430235	2013	5	21	20	V	3.0	0	2.08	228
401430235	2013	5	21	21	V	2.7	0	2.15	227
401430235	2013	5	21	22	V	1.5	0	1.16	230
401430235	2013	5	21	23	V	1.6	0	0.69	235
401430235	2013	5	21	24	V	2.7	0	0.52	204
401430235	2013	5	22	1	V	2.0	0	0.74	204
401430235	2013	5	22	2	V	2.1	0	0.53	239
401430235	2013	5	22	3	V	1.2	0	0.77	189
401430235	2013	5	22	4	V	1.1	0	0.92	196
401430235	2013	5	22	5	V	1.7	0	1.2	197
401430235	2013	5	22	6	V	0.7	0	1.13	240
401430235	2013	5	22	7	V	1.4	0	1.52	237
401430235	2013	5	22	8	V	4.2	0	1.94	241
401430235	2013	5	22	9	V	1.4	0	2.44	269
401430235	2013	5	22	10	V	6.8	0	2.78	320

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	22	11	V	4.6	0	2.62	305
401430235	2013	5	22	12	V	3.7	1	3.1	301
401430235	2013	5	22	13	V	2.5	0	2.76	273
401430235	2013	5	22	14	V	2.5	0	2.47	270
401430235	2013	5	22	15	V	1.8	0	2.67	265
401430235	2013	5	22	16	V	2.3	0	2.2	273
401430235	2013	5	22	17	V	3.7	1	2.27	243
401430235	2013	5	22	18	V	3.8	0	2.05	233
401430235	2013	5	22	19	V	1.5	0	1.33	244
401430235	2013	5	22	20	C	-999	0	0	0
401430235	2013	5	22	21	V	3.2	0	0.69	264
401430235	2013	5	22	22	V	1.7	0	0.82	255
401430235	2013	5	22	23	V	1.6	0	0.72	277
401430235	2013	5	22	24	C	-999	0	0	0
401430235	2013	5	23	1	V	2.0	0	0.64	256
401430235	2013	5	23	2	V	6.5	0	0.67	298
401430235	2013	5	23	3	V	1.5	0	0.65	282
401430235	2013	5	23	4	V	1.5	0	0.62	280
401430235	2013	5	23	5	V	12.7	0	0.63	329
401430235	2013	5	23	6	V	0.6	0	1.62	10
401430235	2013	5	23	7	M	-999	0	3.52	24
401430235	2013	5	23	8	M	-999	0	3.13	19
401430235	2013	5	23	9	M	-999	-999	3.73	32
401430235	2013	5	23	10	M	-999	-999	4.24	29
401430235	2013	5	23	11	M	-999	0	3.52	31
401430235	2013	5	23	12	M	-999	0	3.71	35
401430235	2013	5	23	13	M	-999	0	1.48	327
401430235	2013	5	23	14	M	-999	0	1.88	178
401430235	2013	5	23	15	M	-999	0	2.44	44
401430235	2013	5	23	16	M	-999	0	3.49	19
401430235	2013	5	23	17	M	-999	0	4.09	9
401430235	2013	5	23	18	M	-999	0	2.72	43
401430235	2013	5	23	19	M	-999	0	1.99	302
401430235	2013	5	23	20	V	2.9	0	2.54	237
401430235	2013	5	23	21	V	11.9	0	1.77	328
401430235	2013	5	23	22	V	1.6	0	0.92	259
401430235	2013	5	23	23	V	2.3	0	0.52	228
401430235	2013	5	23	24	V	1.6	0	1.13	356
401430235	2013	5	24	1	V	1.3	0	1.82	17
401430235	2013	5	24	2	V	0.9	0	2.45	21
401430235	2013	5	24	3	V	0.7	0	3.41	34
401430235	2013	5	24	4	V	0.5	0	2.16	15
401430235	2013	5	24	5	V	1.4	0	2.73	31
401430235	2013	5	24	6	V	0.8	0	2.86	34
401430235	2013	5	24	7	V	1.3	0	2.27	65
401430235	2013	5	24	8	V	4.0	0	3.61	99

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	24	9	V	1.3	0	5.33	119
401430235	2013	5	24	10	V	2.4	0	5.65	128
401430235	2013	5	24	11	V	1.9	0	4.51	133
401430235	2013	5	24	12	V	2.2	0	4.44	116
401430235	2013	5	24	13	V	2.4	0	4.56	128
401430235	2013	5	24	14	V	2.4	0	4.26	141
401430235	2013	5	24	15	V	1.7	0	4.8	143
401430235	2013	5	24	16	V	2.0	0	4.56	137
401430235	2013	5	24	17	V	3.7	0	4.34	143
401430235	2013	5	24	18	V	3.7	0	4.17	143
401430235	2013	5	24	19	V	1.5	0	4.36	130
401430235	2013	5	24	20	V	2.9	0	3.49	136
401430235	2013	5	24	21	V	2.7	0	3.78	139
401430235	2013	5	24	22	V	1.4	0	4.44	146
401430235	2013	5	24	23	V	1.1	0	4.6	144
401430235	2013	5	24	24	V	1.5	0	3.88	149
401430235	2013	5	25	1	V	1.3	0	3.51	152
401430235	2013	5	25	2	V	0.9	0	2.74	161
401430235	2013	5	25	3	V	0.5	0	2.89	152
401430235	2013	5	25	4	V	0.5	0	3.29	149
401430235	2013	5	25	5	V	1.4	0	2.78	152
401430235	2013	5	25	6	V	0.5	0	2.71	133
401430235	2013	5	25	7	V	1.1	0	3.25	139
401430235	2013	5	25	8	V	4.0	0	4.17	155
401430235	2013	5	25	9	V	1.3	0	5.05	156
401430235	2013	5	25	10	V	2.5	0	6.46	171
401430235	2013	5	25	11	V	2.0	0	5.87	177
401430235	2013	5	25	12	V	2.3	0	5.68	171
401430235	2013	5	25	13	V	2.4	0	6.09	172
401430235	2013	5	25	14	V	2.4	0	5.14	172
401430235	2013	5	25	15	V	1.8	0	5.09	162
401430235	2013	5	25	16	V	2.1	0	5.94	169
401430235	2013	5	25	17	V	3.7	0	5.55	172
401430235	2013	5	25	18	V	3.8	0	5.53	176
401430235	2013	5	25	19	V	1.6	0	5.39	172
401430235	2013	5	25	20	V	2.9	0	4.37	174
401430235	2013	5	25	21	V	2.7	0	2.61	165
401430235	2013	5	25	22	V	1.5	0	2.91	171
401430235	2013	5	25	23	V	1.1	0	2.45	178
401430235	2013	5	25	24	V	1.5	0	2.69	184
401430235	2013	5	26	1	V	1.3	0	2.25	182
401430235	2013	5	26	2	V	0.9	0	3.47	172
401430235	2013	5	26	3	V	0.4	0	3.22	173
401430235	2013	5	26	4	V	0.5	0	3.2	172
401430235	2013	5	26	5	V	1.4	0	2.84	174
401430235	2013	5	26	6	V	0.6	0	2.27	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	26	7	V	1.2	0	3.58	173
401430235	2013	5	26	8	V	4.1	0	5.58	186
401430235	2013	5	26	9	V	1.4	0	6.55	191
401430235	2013	5	26	10	V	2.5	0	7.06	185
401430235	2013	5	26	11	V	2.0	0	7.52	186
401430235	2013	5	26	12	V	2.3	0	7.32	197
401430235	2013	5	26	13	V	2.4	0	7.04	185
401430235	2013	5	26	14	V	2.4	0	7.3	178
401430235	2013	5	26	15	V	1.8	0	7.2	175
401430235	2013	5	26	16	V	2.1	0	6.84	176
401430235	2013	5	26	17	V	3.7	0	7.06	171
401430235	2013	5	26	18	V	3.8	0	6.24	169
401430235	2013	5	26	19	V	1.6	0	5.36	163
401430235	2013	5	26	20	V	2.9	0	4.82	165
401430235	2013	5	26	21	V	2.7	0	4.85	172
401430235	2013	5	26	22	V	1.4	0	4.22	169
401430235	2013	5	26	23	V	1.1	0	4.76	172
401430235	2013	5	26	24	V	1.5	0	4.09	169
401430235	2013	5	27	1	V	1.3	0	3.83	167
401430235	2013	5	27	2	V	0.9	0	3.95	167
401430235	2013	5	27	3	V	0.4	0	3.39	160
401430235	2013	5	27	4	V	0.5	0	3.15	160
401430235	2013	5	27	5	V	1.4	0	3.44	173
401430235	2013	5	27	6	V	0.5	0	3.17	177
401430235	2013	5	27	7	V	1.2	0	4.12	180
401430235	2013	5	27	8	V	4.1	0	6.84	186
401430235	2013	5	27	9	V	1.4	0	7.83	190
401430235	2013	5	27	10	V	2.5	0	7.72	195
401430235	2013	5	27	11	V	2.0	0	10.56	183
401430235	2013	5	27	12	V	2.3	0	9.7	187
401430235	2013	5	27	13	V	2.4	0	9.13	190
401430235	2013	5	27	14	V	2.4	0	8.88	192
401430235	2013	5	27	15	V	1.8	0	9.58	190
401430235	2013	5	27	16	V	2.1	0	9.08	185
401430235	2013	5	27	17	V	3.7	0	8.85	187
401430235	2013	5	27	18	V	3.8	0	8.59	184
401430235	2013	5	27	19	V	1.6	0	6.57	179
401430235	2013	5	27	20	V	2.9	0	5.65	172
401430235	2013	5	27	21	V	2.7	0	5.41	170
401430235	2013	5	27	22	V	1.4	0	5.28	168
401430235	2013	5	27	23	V	1.1	0	6.01	167
401430235	2013	5	27	24	V	1.5	0	6.07	174
401430235	2013	5	28	1	V	1.3	0	4.85	169
401430235	2013	5	28	2	V	0.9	0	5.87	183
401430235	2013	5	28	3	V	0.5	0	5.55	188
401430235	2013	5	28	4	V	0.6	0	6.72	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	28	5	V	1.5	0	6.48	184
401430235	2013	5	28	6	V	0.6	0	5.9	184
401430235	2013	5	28	7	V	1.2	0	6.19	187
401430235	2013	5	28	8	V	4.0	0	6.96	176
401430235	2013	5	28	9	V	1.4	0	7.96	194
401430235	2013	5	28	10	V	2.5	0	9.56	196
401430235	2013	5	28	11	V	2.0	0	7.62	183
401430235	2013	5	28	12	V	2.3	0	8.86	183
401430235	2013	5	28	13	V	2.4	0	8.39	177
401430235	2013	5	28	14	V	2.4	0	8.1	178
401430235	2013	5	28	15	V	1.8	-999	6.86	180
401430235	2013	5	28	16	V	2.1	0	7.47	179
401430235	2013	5	28	17	V	3.7	0	7.09	185
401430235	2013	5	28	18	V	3.8	0	6.48	181
401430235	2013	5	28	19	V	1.6	0	5.79	178
401430235	2013	5	28	20	V	2.9	0	4.07	170
401430235	2013	5	28	21	V	2.7	0	3.69	162
401430235	2013	5	28	22	V	1.4	0	4.32	157
401430235	2013	5	28	23	V	1.1	0	4.27	170
401430235	2013	5	28	24	V	1.5	0	3.93	164
401430235	2013	5	29	1	V	1.3	0	4.24	166
401430235	2013	5	29	2	V	0.9	0	4.17	169
401430235	2013	5	29	3	V	0.5	0	3.57	166
401430235	2013	5	29	4	V	0.5	0	3.69	164
401430235	2013	5	29	5	V	1.4	0	3.8	168
401430235	2013	5	29	6	V	0.5	0	4.22	167
401430235	2013	5	29	7	V	1.2	0	5.31	167
401430235	2013	5	29	8	V	4.0	0	6.47	166
401430235	2013	5	29	9	V	1.4	0	7.42	171
401430235	2013	5	29	10	V	2.5	0	7.13	173
401430235	2013	5	29	11	V	2.0	0	6.94	170
401430235	2013	5	29	12	V	2.3	0	8.1	173
401430235	2013	5	29	13	V	2.4	0	6.7	168
401430235	2013	5	29	14	V	2.4	0	6.36	166
401430235	2013	5	29	15	V	1.8	0	5.75	163
401430235	2013	5	29	16	V	2.1	0	7.89	167
401430235	2013	5	29	17	V	3.7	0	6.7	161
401430235	2013	5	29	18	V	3.8	0	5.68	168
401430235	2013	5	29	19	V	1.6	0	5.53	170
401430235	2013	5	29	20	V	3.3	0	3.8	219
401430235	2013	5	29	21	V	2.7	0	1.76	89
401430235	2013	5	29	22	V	1.4	0	7.23	140
401430235	2013	5	29	23	V	1.1	0	3.54	122
401430235	2013	5	29	24	V	1.5	0	2.42	27
401430235	2013	5	30	1	V	1.3	0	1.91	23
401430235	2013	5	30	2	V	0.9	0	3	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	5	30	3	V	0.4	0	3.63	62
401430235	2013	5	30	4	V	0.9	0	2.74	212
401430235	2013	5	30	5	V	1.4	0	3.93	178
401430235	2013	5	30	6	V	0.5	0	5.72	166
401430235	2013	5	30	7	V	1.2	0	6.31	173
401430235	2013	5	30	8	V	4.0	0	6.23	184
401430235	2013	5	30	9	V	1.4	0	6.58	181
401430235	2013	5	30	10	V	2.5	0	8.3	183
401430235	2013	5	30	11	V	2.0	0	9.78	186
401430235	2013	5	30	12	V	2.3	0	10.07	189
401430235	2013	5	30	13	V	2.4	0	8.11	195
401430235	2013	5	30	14	V	2.4	0	8.3	193
401430235	2013	5	30	15	V	1.8	0	6.4	194
401430235	2013	5	30	16	V	2.1	0	4.41	179
401430235	2013	5	30	17	V	3.7	0	3.73	224
401430235	2013	5	30	18	V	4.1	0	1.06	166
401430235	2013	5	30	19	V	1.7	0	1.26	63
401430235	2013	5	30	20	V	2.9	0	2.76	184
401430235	2013	5	30	21	V	2.7	0	3.15	153
401430235	2013	5	30	22	V	1.4	0	3.66	148
401430235	2013	5	30	23	V	1.1	0	2.21	158
401430235	2013	5	30	24	V	1.5	0	2.71	162
401430235	2013	5	31	1	V	1.3	0	4.24	163
401430235	2013	5	31	2	V	0.9	0	4.36	175
401430235	2013	5	31	3	V	0.5	0	8.03	174
401430235	2013	5	31	4	V	0.6	0	7.38	173
401430235	2013	5	31	5	V	1.5	0	7.64	178
401430235	2013	5	31	6	V	0.6	0	7.96	184
401430235	2013	5	31	7	V	1.2	0	7.67	185
401430235	2013	5	31	8	V	4.0	0	7.14	195
401430235	2013	5	31	9	V	1.4	0	5.46	196
401430235	2013	5	31	10	V	2.5	0	6.18	191
401430235	2013	5	31	11	V	2.0	0	6.33	192
401430235	2013	5	31	12	V	2.3	0	7.4	188
401430235	2013	5	31	13	V	2.4	0	7.96	181
401430235	2013	5	31	14	V	2.5	0	5.96	185
401430235	2013	5	31	15	V	1.7	0	5.96	205
401430235	2013	5	31	16	V	2.1	0	5.36	193
401430235	2013	5	31	17	V	3.7	0	7.46	182
401430235	2013	5	31	18	V	3.8	0	4.86	184
401430235	2013	5	31	19	M	-999	0	2.86	999
401430235	2013	5	31	20	V	2.9	0	4.36	154
401430235	2013	5	31	21	V	2.7	0	2.86	161
401430235	2013	5	31	22	V	1.5	0	5.36	195
401430235	2013	5	31	23	M	-999	0	2.36	999
401430235	2013	5	31	24	V	1.5	0	6.18	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	1	1	V	5.7	0	6.28	196
401430235	2013	6	1	2	V	2.9	0	4.95	211
401430235	2013	6	1	3	V	4.7	0	2.42	220
401430235	2013	6	1	4	V	0.8	0	1.84	89
401430235	2013	6	1	5	V	0.6	0	2.01	86
401430235	2013	6	1	6	V	8.4	0	2.25	123
401430235	2013	6	1	7	V	0.9	0	2.62	101
401430235	2013	6	1	8	V	2.2	0	1.79	350
401430235	2013	6	1	9	V	1.9	0	1.13	79
401430235	2013	6	1	10	V	1.7	0	1.09	6
401430235	2013	6	1	11	V	2.1	0	1.84	20
401430235	2013	6	1	12	V	3.4	0	1.5	333
401430235	2013	6	1	13	V	3.6	2	2.3	318
401430235	2013	6	1	14	V	3.8	1	2.81	295
401430235	2013	6	1	15	V	3.1	0	2.78	305
401430235	2013	6	1	16	V	4.1	2	3.2	318
401430235	2013	6	1	17	V	3.9	3	3.47	327
401430235	2013	6	1	18	V	6.4	4	3.61	347
401430235	2013	6	1	19	V	1.8	3	3.71	349
401430235	2013	6	1	20	V	1.9	1	2.25	349
401430235	2013	6	1	21	V	4.1	0	1.88	337
401430235	2013	6	1	22	V	1.1	0	1.86	346
401430235	2013	6	1	23	V	0.9	0	1.43	347
401430235	2013	6	1	24	V	2.2	0	1.67	359
401430235	2013	6	2	1	V	20.1	0	1.11	322
401430235	2013	6	2	2	V	2.7	0	2.22	347
401430235	2013	6	2	3	V	5.4	0	1.98	340
401430235	2013	6	2	4	V	15.4	0	1.42	316
401430235	2013	6	2	5	V	9.4	0	1.79	327
401430235	2013	6	2	6	V	16.0	0	1.6	332
401430235	2013	6	2	7	V	3.8	0	2.05	336
401430235	2013	6	2	8	V	3.0	0	2.62	337
401430235	2013	6	2	9	V	1.4	0	4.37	11
401430235	2013	6	2	10	V	1.0	0	3.47	14
401430235	2013	6	2	11	V	2.0	0	2.67	350
401430235	2013	6	2	12	V	2.4	0	2.89	357
401430235	2013	6	2	13	V	4.4	0	2.76	333
401430235	2013	6	2	14	V	4.4	0	3.17	338
401430235	2013	6	2	15	V	2.1	0	3.64	4
401430235	2013	6	2	16	V	2.6	0	3.13	3
401430235	2013	6	2	17	V	2.2	0	3.81	21
401430235	2013	6	2	18	V	5.8	0	3.1	11
401430235	2013	6	2	19	V	1.5	0	3.69	23
401430235	2013	6	2	20	V	1.9	0	2.89	18
401430235	2013	6	2	21	V	1.4	0	2.03	16
401430235	2013	6	2	22	V	1.0	0	2.08	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	2	23	V	0.7	0	1.93	9
401430235	2013	6	2	24	V	2.4	0	1.04	1
401430235	2013	6	3	1	V	5.6	0	1.54	27
401430235	2013	6	3	2	V	2.7	0	1.28	23
401430235	2013	6	3	3	V	5.0	0	0.67	52
401430235	2013	6	3	4	V	0.9	0	1.06	101
401430235	2013	6	3	5	C	-999	0	0	0
401430235	2013	6	3	6	V	10.0	0	0.79	40
401430235	2013	6	3	7	V	0.9	0	2.49	99
401430235	2013	6	3	8	V	1.5	0	2.4	153
401430235	2013	6	3	9	V	1.7	0	1.93	157
401430235	2013	6	3	10	V	1.0	0	3.22	126
401430235	2013	6	3	11	V	1.7	-999	3.3	162
401430235	2013	6	3	12	V	2.4	0	3.13	167
401430235	2013	6	3	13	V	2.6	0	3.08	170
401430235	2013	6	3	14	V	3.2	0	3.03	174
401430235	2013	6	3	15	V	2.1	0	3.88	162
401430235	2013	6	3	16	V	2.6	0	4.27	161
401430235	2013	6	3	17	V	2.2	0	4.32	158
401430235	2013	6	3	18	V	5.9	0	4.9	163
401430235	2013	6	3	19	V	1.6	0	4.22	161
401430235	2013	6	3	20	V	1.9	0	4.12	143
401430235	2013	6	3	21	V	1.4	0	3.52	136
401430235	2013	6	3	22	V	1.0	0	3.2	142
401430235	2013	6	3	23	V	0.7	0	3.37	139
401430235	2013	6	3	24	V	2.2	0	2.74	141
401430235	2013	6	4	1	V	5.7	0	1.59	163
401430235	2013	6	4	2	V	2.7	0	2.21	198
401430235	2013	6	4	3	V	4.4	0	1.98	178
401430235	2013	6	4	4	V	0.9	0	1.62	210
401430235	2013	6	4	5	V	0.7	0	1.82	255
401430235	2013	6	4	6	V	8.4	0	2.76	190
401430235	2013	6	4	7	V	0.9	0	7.45	162
401430235	2013	6	4	8	V	1.3	0	7.59	180
401430235	2013	6	4	9	V	1.5	0	6.23	179
401430235	2013	6	4	10	V	1.1	0	4.27	179
401430235	2013	6	4	11	V	1.8	0	2.5	183
401430235	2013	6	4	12	V	2.7	0	1.74	49
401430235	2013	6	4	13	V	2.8	0	1.69	92
401430235	2013	6	4	14	V	3.1	0	3.25	99
401430235	2013	6	4	15	V	2.1	0	4.36	107
401430235	2013	6	4	16	V	2.5	0	4.85	118
401430235	2013	6	4	17	V	2.2	0	4.36	124
401430235	2013	6	4	18	V	5.8	0	4.17	142
401430235	2013	6	4	19	V	1.5	0	4.34	130
401430235	2013	6	4	20	V	1.9	0	3.47	122

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	4	21	V	1.4	0	2.98	118
401430235	2013	6	4	22	V	1.0	0	2.66	124
401430235	2013	6	4	23	V	0.7	0	3.25	124
401430235	2013	6	4	24	V	2.2	0	3.12	128
401430235	2013	6	5	1	V	5.6	0	3.01	139
401430235	2013	6	5	2	V	2.7	0	2.25	130
401430235	2013	6	5	3	V	4.4	0	2.06	121
401430235	2013	6	5	4	V	0.9	0	1.16	135
401430235	2013	6	5	5	V	0.8	0	2.83	280
401430235	2013	6	5	6	V	8.4	0	2.38	230
401430235	2013	6	5	7	V	1.0	0	2.5	202
401430235	2013	6	5	8	V	1.4	0	2.84	217
401430235	2013	6	5	9	V	2.4	0	1.62	284
401430235	2013	6	5	10	V	1.1	0	3.32	192
401430235	2013	6	5	11	V	2.2	0	1.79	29
401430235	2013	6	5	12	V	2.6	0	1.67	267
401430235	2013	6	5	13	V	3.1	0	2.69	292
401430235	2013	6	5	14	V	4.0	0	2.91	301
401430235	2013	6	5	15	V	3.1	0	3.41	302
401430235	2013	6	5	16	V	3.7	0	2.66	315
401430235	2013	6	5	17	V	3.0	0	2.91	344
401430235	2013	6	5	18	V	6.0	0	3.01	359
401430235	2013	6	5	19	V	1.5	0	3.73	7
401430235	2013	6	5	20	V	1.9	0	4.07	21
401430235	2013	6	5	21	V	1.4	0	3.44	11
401430235	2013	6	5	22	V	1.0	0	3.61	10
401430235	2013	6	5	23	V	0.7	0	2.93	8
401430235	2013	6	5	24	V	2.2	0	3.05	7
401430235	2013	6	6	1	V	5.6	0	2.54	1
401430235	2013	6	6	2	V	2.6	0	2.45	8
401430235	2013	6	6	3	V	4.4	0	3.03	11
401430235	2013	6	6	4	V	0.8	0	2.61	10
401430235	2013	6	6	5	V	0.7	0	3.25	8
401430235	2013	6	6	6	V	8.4	0	3.35	14
401430235	2013	6	6	7	V	0.9	0	2.91	12
401430235	2013	6	6	8	V	1.3	0	2.86	3
401430235	2013	6	6	9	V	1.4	0	3.49	9
401430235	2013	6	6	10	V	1.1	0	3.42	26
401430235	2013	6	6	11	V	1.7	0	3.46	21
401430235	2013	6	6	12	V	2.4	0	3.69	1
401430235	2013	6	6	13	V	2.5	0	4.25	4
401430235	2013	6	6	14	V	3.1	0	4.17	8
401430235	2013	6	6	15	V	2.1	0	4.24	6
401430235	2013	6	6	16	V	2.5	0	4.17	8
401430235	2013	6	6	17	V	2.2	0	3.9	4
401430235	2013	6	6	18	V	5.9	0	3.47	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	6	19	V	1.5	0	3.54	14
401430235	2013	6	6	20	V	1.9	0	1.86	354
401430235	2013	6	6	21	V	10.5	0	1.3	331
401430235	2013	6	6	22	V	16.8	0	1.28	313
401430235	2013	6	6	23	V	1.1	0	0.74	277
401430235	2013	6	6	24	V	3.1	0	0.58	276
401430235	2013	6	7	1	V	6.1	0	0.7	279
401430235	2013	6	7	2	V	3.2	0	0.6	239
401430235	2013	6	7	3	C	-999	0	0	0
401430235	2013	6	7	4	V	1.5	0	0.57	268
401430235	2013	6	7	5	C	-999	0	0	0
401430235	2013	6	7	6	V	9.0	0	0.58	256
401430235	2013	6	7	7	C	-999	0	0	0
401430235	2013	6	7	8	V	4.5	1	1.09	327
401430235	2013	6	7	9	V	2.2	1	2.25	37
401430235	2013	6	7	10	V	1.3	0	2.34	27
401430235	2013	6	7	11	V	1.6	0	4.06	14
401430235	2013	6	7	12	V	2.3	0	3.76	15
401430235	2013	6	7	13	V	2.6	0	3.24	1
401430235	2013	6	7	14	V	3.7	0	3.01	345
401430235	2013	6	7	15	V	2.2	0	2.78	9
401430235	2013	6	7	16	V	2.5	0	3.05	19
401430235	2013	6	7	17	V	2.4	0	2.59	3
401430235	2013	6	7	18	V	6.1	0	1.7	15
401430235	2013	6	7	19	V	3.5	2	1.2	331
401430235	2013	6	7	20	V	5.1	0	0.77	342
401430235	2013	6	7	21	V	3.8	0	0.53	287
401430235	2013	6	7	22	V	2.1	0	0.86	289
401430235	2013	6	7	23	V	1.3	0	0.74	217
401430235	2013	6	7	24	V	2.5	0	0.77	237
401430235	2013	6	8	1	V	5.8	0	0.77	232
401430235	2013	6	8	2	V	3.0	0	0.72	243
401430235	2013	6	8	3	V	4.6	0	0.79	273
401430235	2013	6	8	4	V	1.6	0	0.6	125
401430235	2013	6	8	5	V	0.8	0	1.01	231
401430235	2013	6	8	6	V	8.8	0	0.84	218
401430235	2013	6	8	7	V	1.6	0	1.18	156
401430235	2013	6	8	8	V	1.4	0	3.12	169
401430235	2013	6	8	9	V	1.5	0	4.36	169
401430235	2013	6	8	10	V	1.1	0	4.9	173
401430235	2013	6	8	11	V	1.7	0	6.33	181
401430235	2013	6	8	12	V	2.3	0	6.28	184
401430235	2013	6	8	13	V	2.5	0	6.31	172
401430235	2013	6	8	14	V	3.2	0	6.19	172
401430235	2013	6	8	15	V	2.1	0	6.52	181
401430235	2013	6	8	16	V	2.6	0	5.26	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	8	17	V	2.3	0	4.58	166
401430235	2013	6	8	18	V	5.9	0	3.57	165
401430235	2013	6	8	19	V	1.7	0	3.35	169
401430235	2013	6	8	20	V	1.9	0	2.28	183
401430235	2013	6	8	21	V	1.6	0	1.37	185
401430235	2013	6	8	22	V	1.2	0	1.14	209
401430235	2013	6	8	23	V	0.9	0	1.53	194
401430235	2013	6	8	24	V	2.3	0	2.45	185
401430235	2013	6	9	1	V	5.6	0	5.39	186
401430235	2013	6	9	2	V	2.7	0	2.57	207
401430235	2013	6	9	3	V	4.3	0	2.11	157
401430235	2013	6	9	4	V	0.8	0	1.64	208
401430235	2013	6	9	5	V	0.8	0	1.03	273
401430235	2013	6	9	6	V	8.4	0	1.74	236
401430235	2013	6	9	7	V	1.6	0	2.33	291
401430235	2013	6	9	8	V	2.1	0	2.74	294
401430235	2013	6	9	9	V	2.5	0	3.9	300
401430235	2013	6	9	10	V	2.8	0	3.2	306
401430235	2013	6	9	11	V	2.9	2	2.52	300
401430235	2013	6	9	12	V	3.7	1	2.49	311
401430235	2013	6	9	13	V	2.6	0	2.74	9
401430235	2013	6	9	14	V	3.2	1	2.71	24
401430235	2013	6	9	15	V	2.5	1	2.18	283
401430235	2013	6	9	16	V	2.6	1	2.28	261
401430235	2013	6	9	17	V	2.3	0	1.94	256
401430235	2013	6	9	18	V	6.0	0	1.54	245
401430235	2013	6	9	19	V	1.6	0	1.84	221
401430235	2013	6	9	20	V	2.6	0	1.62	218
401430235	2013	6	9	21	V	2.1	0	1.52	215
401430235	2013	6	9	22	V	1.8	0	1.62	217
401430235	2013	6	9	23	V	0.9	0	0.87	226
401430235	2013	6	9	24	C	-999	0	0	0
401430235	2013	6	10	1	V	9.8	0	0.63	295
401430235	2013	6	10	2	V	2.9	0	1.6	222
401430235	2013	6	10	3	V	4.4	0	2.06	233
401430235	2013	6	10	4	V	0.8	0	1.89	227
401430235	2013	6	10	5	V	0.6	0	2.01	228
401430235	2013	6	10	6	V	8.4	0	1.09	236
401430235	2013	6	10	7	V	1.1	0	2.47	216
401430235	2013	6	10	8	V	1.3	0	4.22	224
401430235	2013	6	10	9	V	1.4	0	5.11	219
401430235	2013	6	10	10	V	1.0	0	4.41	218
401430235	2013	6	10	11	V	1.6	0	4.14	219
401430235	2013	6	10	12	V	2.3	0	4.94	208
401430235	2013	6	10	13	V	2.5	0	5.19	215
401430235	2013	6	10	14	V	3.1	0	5.28	211

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	10	15	V	2.1	0	4.99	219
401430235	2013	6	10	16	V	2.6	0	4.85	212
401430235	2013	6	10	17	V	2.2	0	4.8	212
401430235	2013	6	10	18	V	5.9	0	4.12	204
401430235	2013	6	10	19	V	1.7	0	3.68	189
401430235	2013	6	10	20	V	1.9	0	2.84	185
401430235	2013	6	10	21	V	1.4	0	2.23	191
401430235	2013	6	10	22	V	1.0	0	2.25	192
401430235	2013	6	10	23	V	0.7	0	1.87	206
401430235	2013	6	10	24	V	2.3	0	2.52	195
401430235	2013	6	11	1	V	5.5	0	2.64	205
401430235	2013	6	11	2	V	2.7	0	3.03	207
401430235	2013	6	11	3	V	4.3	0	2.54	208
401430235	2013	6	11	4	V	0.9	0	1.47	184
401430235	2013	6	11	5	V	1.4	0	0.8	179
401430235	2013	6	11	6	V	8.8	0	1.04	178
401430235	2013	6	11	7	V	1.3	0	1.67	188
401430235	2013	6	11	8	V	1.4	0	3.66	207
401430235	2013	6	11	9	V	1.5	0	4.22	194
401430235	2013	6	11	10	V	1.1	0	4.75	194
401430235	2013	6	11	11	V	1.7	0	6.14	190
401430235	2013	6	11	12	V	2.3	0	6.81	197
401430235	2013	6	11	13	V	2.5	0	6.55	194
401430235	2013	6	11	14	V	3.2	0	6.84	189
401430235	2013	6	11	15	V	2.1	0	7.13	193
401430235	2013	6	11	16	V	2.6	0	6.97	198
401430235	2013	6	11	17	V	2.3	0	6.94	196
401430235	2013	6	11	18	V	5.9	0	6.65	186
401430235	2013	6	11	19	V	1.7	0	5.38	192
401430235	2013	6	11	20	V	1.9	0	5.24	184
401430235	2013	6	11	21	V	1.4	0	3.59	187
401430235	2013	6	11	22	V	1.0	0	4	184
401430235	2013	6	11	23	V	0.7	0	4.1	182
401430235	2013	6	11	24	V	2.2	0	4.24	184
401430235	2013	6	12	1	V	5.6	0	4.58	186
401430235	2013	6	12	2	V	2.7	0	3.29	170
401430235	2013	6	12	3	V	4.3	0	3.58	177
401430235	2013	6	12	4	V	0.8	0	3.44	197
401430235	2013	6	12	5	V	0.7	0	2.52	198
401430235	2013	6	12	6	V	8.4	0	3.35	196
401430235	2013	6	12	7	V	0.9	0	4.88	195
401430235	2013	6	12	8	V	1.3	0	5.38	206
401430235	2013	6	12	9	V	1.4	0	6.23	211
401430235	2013	6	12	10	V	1.0	0	7.55	201
401430235	2013	6	12	11	V	1.6	0	7.55	199
401430235	2013	6	12	12	V	2.3	0	7.81	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	12	13	V	2.5	0	7.65	202
401430235	2013	6	12	14	V	3.1	0	7.23	202
401430235	2013	6	12	15	V	2.1	0	6.84	207
401430235	2013	6	12	16	V	2.5	0	6.16	216
401430235	2013	6	12	17	V	2.2	0	5.87	217
401430235	2013	6	12	18	V	5.8	0	5.22	214
401430235	2013	6	12	19	V	1.6	0	4.2	204
401430235	2013	6	12	20	V	1.9	0	3.32	193
401430235	2013	6	12	21	V	1.4	0	2.89	189
401430235	2013	6	12	22	V	1.0	0	2.61	198
401430235	2013	6	12	23	V	0.8	0	2.62	194
401430235	2013	6	12	24	V	2.3	0	1.67	204
401430235	2013	6	13	1	V	6.3	0	1.86	215
401430235	2013	6	13	2	V	3.4	0	1.99	215
401430235	2013	6	13	3	V	4.5	0	1.13	261
401430235	2013	6	13	4	V	0.9	0	1.48	346
401430235	2013	6	13	5	V	17.2	0	0.87	320
401430235	2013	6	13	6	V	8.4	0	1.64	274
401430235	2013	6	13	7	V	0.9	0	2.81	11
401430235	2013	6	13	8	V	1.3	0	3.07	16
401430235	2013	6	13	9	V	1.7	0	3.1	25
401430235	2013	6	13	10	V	2.4	0	3.15	34
401430235	2013	6	13	11	V	2.7	0	2.69	39
401430235	2013	6	13	12	V	2.9	0	1.93	341
401430235	2013	6	13	13	V	2.8	0	2.18	357
401430235	2013	6	13	14	V	3.4	-999	1.76	36
401430235	2013	6	13	15	V	2.3	-999	1.47	318
401430235	2013	6	13	16	V	2.8	0	1.4	288
401430235	2013	6	13	17	V	2.5	0	1.06	338
401430235	2013	6	13	18	V	6.4	0	1.5	346
401430235	2013	6	13	19	V	1.5	0	4	69
401430235	2013	6	13	20	V	1.9	0	3.97	60
401430235	2013	6	13	21	V	1.4	0	2.96	59
401430235	2013	6	13	22	V	1.0	0	2.37	62
401430235	2013	6	13	23	V	0.8	0	1.23	72
401430235	2013	6	13	24	V	2.3	0	1.65	70
401430235	2013	6	14	1	V	5.6	0	1.54	72
401430235	2013	6	14	2	V	3.0	0	0.82	111
401430235	2013	6	14	3	V	4.6	0	0.92	123
401430235	2013	6	14	4	V	1.0	0	0.91	54
401430235	2013	6	14	5	V	8.4	0	0.55	301
401430235	2013	6	14	6	V	8.6	0	1.11	224
401430235	2013	6	14	7	V	1.1	0	2.3	161
401430235	2013	6	14	8	V	1.3	0	3.35	157
401430235	2013	6	14	9	V	1.5	0	4.02	164
401430235	2013	6	14	10	V	1.1	0	3.83	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	14	11	V	1.7	0	3.73	170
401430235	2013	6	14	12	V	2.3	0	3.86	164
401430235	2013	6	14	13	V	2.6	0	4.31	176
401430235	2013	6	14	14	V	3.2	0	4.73	184
401430235	2013	6	14	15	V	2.1	0	4.71	193
401430235	2013	6	14	16	V	2.6	0	4.32	202
401430235	2013	6	14	17	V	2.3	0	4.68	189
401430235	2013	6	14	18	V	6.0	0	4.56	184
401430235	2013	6	14	19	V	1.7	0	3.61	190
401430235	2013	6	14	20	V	1.9	0	3.01	174
401430235	2013	6	14	21	V	1.4	0	2.35	182
401430235	2013	6	14	22	V	1.1	0	1.54	207
401430235	2013	6	14	23	V	1.2	0	0.87	214
401430235	2013	6	14	24	C	-999	0	0	0
401430235	2013	6	15	1	V	6.0	0	1.14	171
401430235	2013	6	15	2	V	2.7	0	2.11	154
401430235	2013	6	15	3	V	4.4	0	2.4	163
401430235	2013	6	15	4	V	0.7	0	2.66	165
401430235	2013	6	15	5	V	0.7	0	2.33	165
401430235	2013	6	15	6	V	8.3	0	2.42	162
401430235	2013	6	15	7	V	1.0	0	3.25	171
401430235	2013	6	15	8	V	1.4	0	4.29	175
401430235	2013	6	15	9	V	1.5	0	4.83	185
401430235	2013	6	15	10	V	1.1	0	4.88	178
401430235	2013	6	15	11	V	1.7	0	5.75	184
401430235	2013	6	15	12	V	2.3	0	7.47	188
401430235	2013	6	15	13	V	2.5	0	5.53	201
401430235	2013	6	15	14	V	3.1	0	3.49	244
401430235	2013	6	15	15	V	2.1	0	2.69	255
401430235	2013	6	15	16	V	2.8	0	1.55	179
401430235	2013	6	15	17	V	2.4	0	1.76	166
401430235	2013	6	15	18	V	5.9	0	2.44	112
401430235	2013	6	15	19	V	1.6	0	3.17	102
401430235	2013	6	15	20	V	1.9	0	2.84	134
401430235	2013	6	15	21	V	1.4	0	1.72	133
401430235	2013	6	15	22	V	1.0	0	1.47	134
401430235	2013	6	15	23	V	0.7	0	2.16	175
401430235	2013	6	15	24	V	2.2	0	2.37	159
401430235	2013	6	16	1	V	5.6	0	1.99	154
401430235	2013	6	16	2	V	2.9	0	0.97	207
401430235	2013	6	16	3	V	4.6	0	0.82	234
401430235	2013	6	16	4	V	0.9	0	1.57	190
401430235	2013	6	16	5	V	0.9	0	0.92	227
401430235	2013	6	16	6	V	8.8	0	0.8	220
401430235	2013	6	16	7	V	2.0	0	1.11	221
401430235	2013	6	16	8	V	1.4	0	2.32	226

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	16	9	V	1.5	0	4.03	203
401430235	2013	6	16	10	V	1.1	0	3.1	183
401430235	2013	6	16	11	V	1.7	0	2.93	177
401430235	2013	6	16	12	V	2.4	0	2.98	171
401430235	2013	6	16	13	V	2.6	0	2.95	167
401430235	2013	6	16	14	V	3.2	0	2.86	178
401430235	2013	6	16	15	V	2.2	0	2.86	193
401430235	2013	6	16	16	V	2.5	0	5.43	67
401430235	2013	6	16	17	V	2.1	0	8.22	76
401430235	2013	6	16	18	V	6.0	0	1.84	212
401430235	2013	6	16	19	V	1.7	0	1.82	171
401430235	2013	6	16	20	V	1.9	0	2.86	150
401430235	2013	6	16	21	V	1.4	0	2.01	74
401430235	2013	6	16	22	V	1.0	0	1.91	133
401430235	2013	6	16	23	V	0.8	0	2.25	185
401430235	2013	6	16	24	V	2.2	0	1.84	204
401430235	2013	6	17	1	V	5.7	0	1.65	176
401430235	2013	6	17	2	V	2.8	0	1.13	240
401430235	2013	6	17	3	V	5.0	0	3.2	291
401430235	2013	6	17	4	V	2.3	0	1.93	298
401430235	2013	6	17	5	V	0.8	0	1.62	184
401430235	2013	6	17	6	V	8.4	0	3.44	106
401430235	2013	6	17	7	V	1.2	0	2.13	178
401430235	2013	6	17	8	V	1.6	0	1.91	270
401430235	2013	6	17	9	V	1.8	0	1.99	279
401430235	2013	6	17	10	V	2.6	0	2.1	325
401430235	2013	6	17	11	V	2.5	0	1.91	296
401430235	2013	6	17	12	V	3.2	0	2.33	302
401430235	2013	6	17	13	V	2.5	0	2.91	3
401430235	2013	6	17	14	V	3.2	0	2.59	4
401430235	2013	6	17	15	V	2.1	0	3.66	15
401430235	2013	6	17	16	V	2.6	0	5.09	24
401430235	2013	6	17	17	V	2.2	0	3.23	19
401430235	2013	6	17	18	V	6.2	0	4.07	35
401430235	2013	6	17	19	V	1.6	0	2.54	25
401430235	2013	6	17	20	V	1.9	0	1.98	9
401430235	2013	6	17	21	V	1.5	0	1.16	357
401430235	2013	6	17	22	V	17.1	0	0.82	319
401430235	2013	6	17	23	V	0.9	0	0.94	274
401430235	2013	6	17	24	V	2.7	0	0.67	272
401430235	2013	6	18	1	C	-999	0	0	0
401430235	2013	6	18	2	C	-999	0	0	0
401430235	2013	6	18	3	C	-999	0	0	0
401430235	2013	6	18	4	C	-999	0	0	0
401430235	2013	6	18	5	C	-999	0	0	0
401430235	2013	6	18	6	V	8.4	0	2.36	355

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	18	7	V	1.6	0	2.36	346
401430235	2013	6	18	8	V	1.4	0	2.15	4
401430235	2013	6	18	9	V	1.5	0	2.83	16
401430235	2013	6	18	10	V	2.2	0	2.23	45
401430235	2013	6	18	11	V	2.5	0	2.71	35
401430235	2013	6	18	12	V	2.5	0	2.81	61
401430235	2013	6	18	13	V	2.5	0	3.32	79
401430235	2013	6	18	14	V	3.1	0	3.05	115
401430235	2013	6	18	15	V	2.1	0	2.89	118
401430235	2013	6	18	16	V	2.6	0	2.86	117
401430235	2013	6	18	17	V	2.3	0	3	139
401430235	2013	6	18	18	V	5.9	0	3.46	151
401430235	2013	6	18	19	V	1.6	0	3.18	132
401430235	2013	6	18	20	V	1.9	0	2.71	120
401430235	2013	6	18	21	V	1.5	0	0.97	114
401430235	2013	6	18	22	V	1.4	0	0.7	255
401430235	2013	6	18	23	V	0.8	0	1.14	227
401430235	2013	6	18	24	V	2.3	0	1.31	233
401430235	2013	6	19	1	V	5.9	0	0.86	211
401430235	2013	6	19	2	C	-999	0	0	0
401430235	2013	6	19	3	V	16.7	0	0.74	310
401430235	2013	6	19	4	V	9.2	0	0.58	334
401430235	2013	6	19	5	V	2.2	0	0.58	284
401430235	2013	6	19	6	V	9.1	0	0.63	217
401430235	2013	6	19	7	V	2.0	0	0.91	144
401430235	2013	6	19	8	V	1.6	0	1.96	183
401430235	2013	6	19	9	V	1.5	0	3.54	182
401430235	2013	6	19	10	V	1.1	0	4.68	172
401430235	2013	6	19	11	V	1.6	0	4.99	163
401430235	2013	6	19	12	V	2.3	0	5.27	159
401430235	2013	6	19	13	V	2.5	0	5.55	169
401430235	2013	6	19	14	V	3.2	0	5.8	168
401430235	2013	6	19	15	V	2.1	0	5.51	172
401430235	2013	6	19	16	V	2.6	0	4.9	171
401430235	2013	6	19	17	V	2.3	0	4.68	169
401430235	2013	6	19	18	V	5.9	0	4.56	171
401430235	2013	6	19	19	V	1.7	0	4.03	172
401430235	2013	6	19	20	V	1.9	0	2.35	172
401430235	2013	6	19	21	V	1.4	0	1.93	163
401430235	2013	6	19	22	V	1.0	0	2.86	158
401430235	2013	6	19	23	V	0.7	0	2.83	162
401430235	2013	6	19	24	V	2.2	0	2.49	165
401430235	2013	6	20	1	V	5.6	0	1.88	143
401430235	2013	6	20	2	V	2.6	0	2.1	147
401430235	2013	6	20	3	V	4.4	0	2.11	165
401430235	2013	6	20	4	V	0.7	0	2.35	154

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	20	5	V	0.6	0	2.61	148
401430235	2013	6	20	6	V	8.3	0	2.59	158
401430235	2013	6	20	7	V	1.0	0	3.83	167
401430235	2013	6	20	8	V	1.4	0	4.44	168
401430235	2013	6	20	9	V	1.5	0	5.28	168
401430235	2013	6	20	10	V	1.1	0	5.46	176
401430235	2013	6	20	11	V	1.7	-999	5.56	175
401430235	2013	6	20	12	V	2.3	-999	5.8	172
401430235	2013	6	20	13	V	2.5	0	6.21	169
401430235	2013	6	20	14	V	3.2	0	6.5	175
401430235	2013	6	20	15	V	2.1	0	7.08	174
401430235	2013	6	20	16	V	2.6	0	7.26	178
401430235	2013	6	20	17	V	2.3	0	7.16	173
401430235	2013	6	20	18	V	5.9	0	6.94	173
401430235	2013	6	20	19	V	1.6	0	6.53	174
401430235	2013	6	20	20	V	1.9	0	4.94	171
401430235	2013	6	20	21	V	1.4	0	4.22	170
401430235	2013	6	20	22	V	1.0	0	3.71	171
401430235	2013	6	20	23	V	0.7	0	3.75	171
401430235	2013	6	20	24	V	2.2	0	3.85	176
401430235	2013	6	21	1	V	5.6	0	3.35	168
401430235	2013	6	21	2	V	2.7	0	3.06	167
401430235	2013	6	21	3	V	4.3	0	2.98	166
401430235	2013	6	21	4	V	0.8	0	3.52	167
401430235	2013	6	21	5	V	0.7	0	3.46	169
401430235	2013	6	21	6	V	8.4	0	3.15	163
401430235	2013	6	21	7	V	1.0	0	4.15	175
401430235	2013	6	21	8	V	1.4	0	4.24	184
401430235	2013	6	21	9	V	1.5	0	5.62	188
401430235	2013	6	21	10	V	1.1	0	5.5	186
401430235	2013	6	21	11	V	1.7	0	5.82	181
401430235	2013	6	21	12	V	2.3	0	6.06	174
401430235	2013	6	21	13	V	2.5	0	6.3	175
401430235	2013	6	21	14	V	3.2	0	6.97	176
401430235	2013	6	21	15	V	2.1	0	6.7	177
401430235	2013	6	21	16	V	2.6	0	5.99	174
401430235	2013	6	21	17	V	2.3	0	6.43	182
401430235	2013	6	21	18	V	5.9	0	6.89	175
401430235	2013	6	21	19	V	1.6	0	5.82	175
401430235	2013	6	21	20	V	1.9	0	4.68	173
401430235	2013	6	21	21	V	1.4	0	3.76	170
401430235	2013	6	21	22	V	1.0	0	3.49	169
401430235	2013	6	21	23	V	0.7	0	2.93	170
401430235	2013	6	21	24	V	2.2	0	2.86	166
401430235	2013	6	22	1	V	5.5	0	2.98	162
401430235	2013	6	22	2	V	2.7	0	2.22	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	22	3	V	4.3	0	2.47	163
401430235	2013	6	22	4	V	0.7	0	2.74	171
401430235	2013	6	22	5	V	0.6	0	2.15	158
401430235	2013	6	22	6	V	8.3	0	2.18	157
401430235	2013	6	22	7	V	1.0	0	3.22	167
401430235	2013	6	22	8	V	1.4	0	3.92	182
401430235	2013	6	22	9	V	1.5	0	4.58	183
401430235	2013	6	22	10	V	1.1	0	5.67	185
401430235	2013	6	22	11	V	1.7	0	6.29	190
401430235	2013	6	22	12	V	2.3	0	6.43	183
401430235	2013	6	22	13	V	2.5	0	5.9	175
401430235	2013	6	22	14	V	3.2	0	6.36	174
401430235	2013	6	22	15	V	2.1	0	7.04	168
401430235	2013	6	22	16	V	2.6	0	7.26	171
401430235	2013	6	22	17	V	2.3	0	7.26	174
401430235	2013	6	22	18	V	5.9	0	7.11	175
401430235	2013	6	22	19	V	1.7	0	5.41	170
401430235	2013	6	22	20	V	1.9	0	4.71	170
401430235	2013	6	22	21	V	1.4	0	3.93	167
401430235	2013	6	22	22	V	1.0	0	3.8	167
401430235	2013	6	22	23	V	0.7	0	4.17	166
401430235	2013	6	22	24	V	2.2	0	3.76	167
401430235	2013	6	23	1	V	5.5	0	3.9	165
401430235	2013	6	23	2	V	2.6	0	4.44	155
401430235	2013	6	23	3	V	4.3	0	4.43	161
401430235	2013	6	23	4	V	0.7	0	4.05	168
401430235	2013	6	23	5	V	0.7	0	3.49	168
401430235	2013	6	23	6	V	8.3	0	3.8	167
401430235	2013	6	23	7	V	1.0	0	4.09	170
401430235	2013	6	23	8	V	1.4	0	5.68	184
401430235	2013	6	23	9	V	1.5	0	7.18	185
401430235	2013	6	23	10	V	1.1	0	7.64	187
401430235	2013	6	23	11	V	1.7	0	7.11	191
401430235	2013	6	23	12	V	2.3	0	7.06	185
401430235	2013	6	23	13	V	2.5	0	7.52	181
401430235	2013	6	23	14	V	3.2	0	6.69	177
401430235	2013	6	23	15	V	2.1	0	6.99	174
401430235	2013	6	23	16	V	2.6	0	6.89	171
401430235	2013	6	23	17	V	2.3	0	6.94	173
401430235	2013	6	23	18	V	5.9	0	7.88	176
401430235	2013	6	23	19	V	1.6	0	6.86	175
401430235	2013	6	23	20	V	1.9	0	4.6	169
401430235	2013	6	23	21	V	1.4	0	4.76	164
401430235	2013	6	23	22	V	1.0	0	3.83	162
401430235	2013	6	23	23	V	0.7	0	3.66	164
401430235	2013	6	23	24	V	2.2	0	2.98	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	24	1	V	5.6	0	2.33	167
401430235	2013	6	24	2	V	2.7	0	2.13	155
401430235	2013	6	24	3	V	4.3	0	2.3	151
401430235	2013	6	24	4	V	0.7	0	2.61	153
401430235	2013	6	24	5	V	0.6	0	3.23	154
401430235	2013	6	24	6	V	8.4	0	3.27	171
401430235	2013	6	24	7	V	1.0	0	3.17	170
401430235	2013	6	24	8	V	1.4	0	3.97	183
401430235	2013	6	24	9	V	1.5	0	5.62	195
401430235	2013	6	24	10	V	1.1	0	6.92	192
401430235	2013	6	24	11	V	1.7	0	7.6	188
401430235	2013	6	24	12	V	2.3	0	7.04	186
401430235	2013	6	24	13	V	2.5	0	6.8	186
401430235	2013	6	24	14	V	3.2	0	6.81	179
401430235	2013	6	24	15	V	2.1	0	6.46	181
401430235	2013	6	24	16	V	2.6	0	6.38	176
401430235	2013	6	24	17	V	2.3	0	6.69	176
401430235	2013	6	24	18	V	5.9	0	5.96	173
401430235	2013	6	24	19	V	1.7	0	5.73	173
401430235	2013	6	24	20	V	1.9	0	4.53	167
401430235	2013	6	24	21	V	1.4	0	3.86	165
401430235	2013	6	24	22	V	1.0	0	4.05	166
401430235	2013	6	24	23	V	0.7	0	4.15	165
401430235	2013	6	24	24	V	2.2	0	3.44	168
401430235	2013	6	25	1	V	5.5	0	2.95	166
401430235	2013	6	25	2	V	2.7	0	3.12	170
401430235	2013	6	25	3	V	4.3	0	2.98	171
401430235	2013	6	25	4	V	0.7	0	2.98	168
401430235	2013	6	25	5	V	0.7	0	3.15	169
401430235	2013	6	25	6	V	8.4	0	3.34	174
401430235	2013	6	25	7	V	1.0	0	3.97	177
401430235	2013	6	25	8	V	1.3	0	6.7	187
401430235	2013	6	25	9	V	1.5	0	6.94	188
401430235	2013	6	25	10	V	1.1	0	6.62	192
401430235	2013	6	25	11	V	1.7	0	5.48	196
401430235	2013	6	25	12	V	2.3	0	6.21	182
401430235	2013	6	25	13	V	2.5	0	7.83	175
401430235	2013	6	25	14	V	3.2	0	8.35	176
401430235	2013	6	25	15	V	2.1	0	7.96	176
401430235	2013	6	25	16	V	2.6	0	9.56	176
401430235	2013	6	25	17	V	2.3	0	8.46	188
401430235	2013	6	25	18	V	5.9	0	7.46	182
401430235	2013	6	25	19	V	1.7	0	4.86	176
401430235	2013	6	25	20	V	1.9	0	3.36	169
401430235	2013	6	25	21	V	1.4	0	4.05	168
401430235	2013	6	25	22	V	1.0	0	4.02	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	25	23	V	0.7	0	4.29	174
401430235	2013	6	25	24	V	2.2	0	3.64	169
401430235	2013	6	26	1	V	5.6	0	3.3	168
401430235	2013	6	26	2	V	2.6	0	2.72	170
401430235	2013	6	26	3	V	4.4	0	2.4	167
401430235	2013	6	26	4	V	0.7	0	2.42	179
401430235	2013	6	26	5	V	0.7	0	2.55	190
401430235	2013	6	26	6	V	8.4	0	3.07	187
401430235	2013	6	26	7	V	1.0	0	3.46	194
401430235	2013	6	26	8	V	1.3	0	5.87	200
401430235	2013	6	26	9	V	1.4	0	5.77	200
401430235	2013	6	26	10	V	1.0	0	5.79	203
401430235	2013	6	26	11	V	1.6	0	6.28	197
401430235	2013	6	26	12	V	2.3	0	5.12	202
401430235	2013	6	26	13	V	2.5	-999	4.54	209
401430235	2013	6	26	14	V	3.2	-999	4.37	201
401430235	2013	6	26	15	V	2.2	-999	4.65	189
401430235	2013	6	26	16	V	2.6	0	4.44	190
401430235	2013	6	26	17	V	2.3	0	4.19	192
401430235	2013	6	26	18	V	5.9	0	3.95	196
401430235	2013	6	26	19	V	1.7	0	3.88	196
401430235	2013	6	26	20	V	1.9	0	2.69	191
401430235	2013	6	26	21	V	1.4	0	1.71	202
401430235	2013	6	26	22	V	1.0	0	2.03	199
401430235	2013	6	26	23	V	0.8	0	1.71	208
401430235	2013	6	26	24	V	18.0	0	0.75	317
401430235	2013	6	27	1	V	6.1	0	0.69	277
401430235	2013	6	27	2	V	3.1	0	0.7	228
401430235	2013	6	27	3	C	-999	0	0	0
401430235	2013	6	27	4	V	1.3	0	0.77	214
401430235	2013	6	27	5	V	1.0	0	1.06	211
401430235	2013	6	27	6	V	9.0	0	0.62	273
401430235	2013	6	27	7	V	1.5	0	1.3	181
401430235	2013	6	27	8	V	1.4	0	3.44	186
401430235	2013	6	27	9	V	1.5	0	4.09	195
401430235	2013	6	27	10	V	1.2	0	2.81	208
401430235	2013	6	27	11	V	1.8	0	2.27	194
401430235	2013	6	27	12	V	2.4	0	2.32	164
401430235	2013	6	27	13	V	2.6	0	2.76	168
401430235	2013	6	27	14	V	3.2	0	3.49	167
401430235	2013	6	27	15	V	2.1	0	3.97	160
401430235	2013	6	27	16	V	2.6	0	3.98	173
401430235	2013	6	27	17	V	2.3	0	4.05	182
401430235	2013	6	27	18	V	5.9	0	4.66	170
401430235	2013	6	27	19	V	1.7	0	3.42	177
401430235	2013	6	27	20	V	1.9	0	2.2	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	27	21	V	1.4	0	2.49	259
401430235	2013	6	27	22	V	1.0	0	3.1	276
401430235	2013	6	27	23	V	0.7	0	2.35	259
401430235	2013	6	27	24	V	2.2	0	2.01	204
401430235	2013	6	28	1	V	5.6	0	2.81	182
401430235	2013	6	28	2	V	2.8	0	1.09	249
401430235	2013	6	28	3	V	4.4	0	2.06	278
401430235	2013	6	28	4	V	0.8	0	1.52	282
401430235	2013	6	28	5	V	0.8	0	1.11	269
401430235	2013	6	28	6	V	8.4	0	1.93	348
401430235	2013	6	28	7	V	1.4	0	1.89	354
401430235	2013	6	28	8	V	2.3	0	2.64	342
401430235	2013	6	28	9	V	1.6	0	2.95	358
401430235	2013	6	28	10	V	1.0	0	3.85	11
401430235	2013	6	28	11	V	1.6	0	4.29	11
401430235	2013	6	28	12	V	2.3	0	3.81	6
401430235	2013	6	28	13	V	2.5	0	4.05	7
401430235	2013	6	28	14	V	3.6	0	2.25	346
401430235	2013	6	28	15	V	2.6	0	1.82	312
401430235	2013	6	28	16	V	3.0	0	2.93	353
401430235	2013	6	28	17	V	3.1	0	2.88	340
401430235	2013	6	28	18	V	6.6	0	1.96	346
401430235	2013	6	28	19	V	2.3	0	0.89	300
401430235	2013	6	28	20	V	3.1	0	1.33	297
401430235	2013	6	28	21	V	1.4	0	4.39	19
401430235	2013	6	28	22	V	1.0	0	3.63	13
401430235	2013	6	28	23	V	0.7	0	3.12	12
401430235	2013	6	28	24	V	2.2	0	2.56	10
401430235	2013	6	29	1	V	5.5	0	2.49	9
401430235	2013	6	29	2	V	2.7	0	1.98	6
401430235	2013	6	29	3	V	4.6	0	0.89	268
401430235	2013	6	29	4	V	1.0	0	0.91	262
401430235	2013	6	29	5	V	0.8	0	0.97	263
401430235	2013	6	29	6	V	8.7	0	0.74	274
401430235	2013	6	29	7	V	3.4	0	0.91	285
401430235	2013	6	29	8	V	3.6	4	1.64	340
401430235	2013	6	29	9	V	3.1	1	2.4	334
401430235	2013	6	29	10	V	1.8	3	3.27	342
401430235	2013	6	29	11	V	2.0	3	4.7	346
401430235	2013	6	29	12	V	2.6	3	4.58	348
401430235	2013	6	29	13	V	2.7	1	4.76	351
401430235	2013	6	29	14	V	3.6	2	4.54	346
401430235	2013	6	29	15	V	2.7	3	4.12	344
401430235	2013	6	29	16	V	3.1	0	4.25	346
401430235	2013	6	29	17	V	2.3	0	4.36	1
401430235	2013	6	29	18	V	6.4	2	4.07	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	6	29	19	V	1.6	0	3.23	1
401430235	2013	6	29	20	V	1.9	0	3.39	8
401430235	2013	6	29	21	V	1.4	0	4	17
401430235	2013	6	29	22	V	1.0	0	2.96	5
401430235	2013	6	29	23	V	0.7	0	2.54	2
401430235	2013	6	29	24	V	2.3	0	2.45	349
401430235	2013	6	30	1	V	5.6	0	2.71	360
401430235	2013	6	30	2	V	2.6	0	2.37	356
401430235	2013	6	30	3	V	4.4	0	2.81	357
401430235	2013	6	30	4	V	0.8	0	3.29	358
401430235	2013	6	30	5	V	0.7	0	2.76	4
401430235	2013	6	30	6	V	10.2	0	2.06	338
401430235	2013	6	30	7	V	1.2	0	2.78	350
401430235	2013	6	30	8	V	1.2	0	4.14	8
401430235	2013	6	30	9	V	1.4	0	3.9	7
401430235	2013	6	30	10	V	1.0	0	4.53	360
401430235	2013	6	30	11	V	1.6	0	5.16	3
401430235	2013	6	30	12	V	2.2	0	5.55	5
401430235	2013	6	30	13	V	2.4	0	6.01	11
401430235	2013	6	30	14	V	3.1	0	5.45	6
401430235	2013	6	30	15	V	2.0	0	5.27	11
401430235	2013	6	30	16	V	2.5	0	4.49	7
401430235	2013	6	30	17	V	2.2	0	4.78	15
401430235	2013	6	30	18	V	5.9	0	4.22	1
401430235	2013	6	30	19	V	1.9	0	2.96	352
401430235	2013	6	30	20	V	1.9	0	2.32	349
401430235	2013	6	30	21	V	1.9	0	1.96	342
401430235	2013	6	30	22	V	1.0	0	2.08	347
401430235	2013	6	30	23	V	0.7	0	2.42	6
401430235	2013	6	30	24	V	2.2	0	1.69	352
401430235	2013	7	1	1	V	5.5	0	2.18	4
401430235	2013	7	1	2	V	2.6	0	2.39	2
401430235	2013	7	1	3	V	4.3	0	2.42	358
401430235	2013	7	1	4	V	0.7	0	2.44	6
401430235	2013	7	1	5	V	0.7	0	1.71	3
401430235	2013	7	1	6	V	8.3	0	2.33	3
401430235	2013	7	1	7	V	0.9	0	3.23	4
401430235	2013	7	1	8	V	1.3	0	3.42	6
401430235	2013	7	1	9	V	1.4	0	3.76	16
401430235	2013	7	1	10	V	1.0	0	4.56	19
401430235	2013	7	1	11	V	1.6	0	5.04	10
401430235	2013	7	1	12	V	2.2	0	5.33	19
401430235	2013	7	1	13	V	2.6	0	4.17	357
401430235	2013	7	1	14	V	3.2	0	3.9	357
401430235	2013	7	1	15	V	2.2	0	3.97	355
401430235	2013	7	1	16	V	2.5	0	4.51	9

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	1	17	V	2.2	0	4.09	5
401430235	2013	7	1	18	V	5.8	0	5.48	18
401430235	2013	7	1	19	V	1.5	0	5.22	16
401430235	2013	7	1	20	V	1.9	0	5	26
401430235	2013	7	1	21	V	1.4	0	2.04	17
401430235	2013	7	1	22	V	4.5	0	1.03	340
401430235	2013	7	1	23	V	13.2	0	1.38	320
401430235	2013	7	1	24	V	2.6	0	0.69	259
401430235	2013	7	2	1	V	5.9	0	0.74	254
401430235	2013	7	2	2	V	3.2	0	0.63	244
401430235	2013	7	2	3	C	-999	0	0	0
401430235	2013	7	2	4	V	2.9	0	0.63	289
401430235	2013	7	2	5	V	2.7	0	0.69	290
401430235	2013	7	2	6	V	18.8	0	1.04	307
401430235	2013	7	2	7	V	5.8	0	0.84	335
401430235	2013	7	2	8	V	1.5	1	2.25	17
401430235	2013	7	2	9	V	2.3	0	1.81	25
401430235	2013	7	2	10	V	1.7	1	1.14	342
401430235	2013	7	2	11	V	1.8	0	2.47	23
401430235	2013	7	2	12	V	2.3	0	3.18	8
401430235	2013	7	2	13	V	2.5	0	4.25	19
401430235	2013	7	2	14	V	3.1	0	4.05	8
401430235	2013	7	2	15	V	2.1	0	4.1	20
401430235	2013	7	2	16	V	2.6	0	3.3	9
401430235	2013	7	2	17	V	2.2	0	3.22	11
401430235	2013	7	2	18	V	5.8	0	3.3	16
401430235	2013	7	2	19	V	1.6	0	2.32	13
401430235	2013	7	2	20	V	1.9	1	1.65	13
401430235	2013	7	2	21	V	1.5	0	1.16	15
401430235	2013	7	2	22	V	1.5	0	0.87	350
401430235	2013	7	2	23	V	1.1	0	0.77	274
401430235	2013	7	2	24	V	2.8	0	0.7	280
401430235	2013	7	3	1	V	6.5	0	0.53	263
401430235	2013	7	3	2	C	-999	0	0	0
401430235	2013	7	3	3	C	-999	0	0	0
401430235	2013	7	3	4	V	2.8	0	0.52	284
401430235	2013	7	3	5	C	-999	0	0	0
401430235	2013	7	3	6	V	8.9	0	0.63	261
401430235	2013	7	3	7	C	-999	1	0	0
401430235	2013	7	3	8	V	2.8	2	0.79	109
401430235	2013	7	3	9	V	1.7	1	2.01	163
401430235	2013	7	3	10	V	1.3	0	1.64	180
401430235	2013	7	3	11	V	1.8	0	1.86	120
401430235	2013	7	3	12	V	2.4	0	2.11	126
401430235	2013	7	3	13	V	2.5	0	2.52	112
401430235	2013	7	3	14	V	3.2	0	2.56	114

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	3	15	V	2.1	0	2.59	119
401430235	2013	7	3	16	V	2.6	0	2.88	122
401430235	2013	7	3	17	V	2.3	0	3.18	171
401430235	2013	7	3	18	V	5.8	0	3.68	124
401430235	2013	7	3	19	V	1.5	0	3.46	138
401430235	2013	7	3	20	V	2.0	0	1.7	164
401430235	2013	7	3	21	C	-999	0	0	0
401430235	2013	7	3	22	C	-999	0	0	0
401430235	2013	7	3	23	V	1.7	0	0.6	280
401430235	2013	7	3	24	V	3.1	0	0.6	279
401430235	2013	7	4	1	V	6.7	0	0.75	287
401430235	2013	7	4	2	V	3.1	0	0.74	278
401430235	2013	7	4	3	V	5.3	0	0.53	269
401430235	2013	7	4	4	V	0.9	0	0.86	243
401430235	2013	7	4	5	V	0.9	0	0.75	238
401430235	2013	7	4	6	V	8.9	0	0.67	220
401430235	2013	7	4	7	V	1.2	0	1.38	163
401430235	2013	7	4	8	V	1.4	0	2.64	164
401430235	2013	7	4	9	V	1.5	0	3.75	184
401430235	2013	7	4	10	V	1.1	0	4.99	196
401430235	2013	7	4	11	V	1.7	0	4.82	194
401430235	2013	7	4	12	V	2.3	0	4.27	198
401430235	2013	7	4	13	V	2.6	0	2.78	213
401430235	2013	7	4	14	V	3.3	0	2.01	183
401430235	2013	7	4	15	V	2.2	0	2.71	183
401430235	2013	7	4	16	V	2.7	0	2.62	196
401430235	2013	7	4	17	V	2.3	0	4.29	170
401430235	2013	7	4	18	V	5.9	0	5.05	168
401430235	2013	7	4	19	V	1.5	0	4.9	142
401430235	2013	7	4	20	V	1.9	0	3.37	166
401430235	2013	7	4	21	V	1.4	0	2.33	171
401430235	2013	7	4	22	V	1.5	0	0.91	193
401430235	2013	7	4	23	V	1.2	0	0.92	163
401430235	2013	7	4	24	V	2.3	0	1.55	154
401430235	2013	7	5	1	V	6.1	0	0.92	190
401430235	2013	7	5	2	V	3.4	0	0.55	233
401430235	2013	7	5	3	V	5.6	0	0.53	161
401430235	2013	7	5	4	V	0.9	0	1.04	226
401430235	2013	7	5	5	V	1.1	0	1.04	168
401430235	2013	7	5	6	V	9.0	0	0.82	176
401430235	2013	7	5	7	V	1.2	0	1.48	170
401430235	2013	7	5	8	V	1.4	0	3.13	166
401430235	2013	7	5	9	V	1.5	0	3.98	181
401430235	2013	7	5	10	V	1.1	0	4.25	189
401430235	2013	7	5	11	V	1.7	0	4.78	191
401430235	2013	7	5	12	V	2.3	0	4.7	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	5	13	V	2.6	0	3.22	205
401430235	2013	7	5	14	V	3.2	0	2.67	193
401430235	2013	7	5	15	V	2.2	0	2.23	176
401430235	2013	7	5	16	V	2.7	0	3.17	180
401430235	2013	7	5	17	V	2.3	0	3.83	167
401430235	2013	7	5	18	V	5.9	0	4.49	160
401430235	2013	7	5	19	V	1.6	0	3.46	153
401430235	2013	7	5	20	V	1.9	0	2.23	146
401430235	2013	7	5	21	V	1.4	0	1.84	139
401430235	2013	7	5	22	V	1.0	0	2.45	147
401430235	2013	7	5	23	V	0.7	0	2.27	157
401430235	2013	7	5	24	V	2.2	0	2.52	177
401430235	2013	7	6	1	V	5.5	0	3.15	179
401430235	2013	7	6	2	V	2.7	0	3.01	183
401430235	2013	7	6	3	V	4.4	0	2.81	182
401430235	2013	7	6	4	V	0.7	0	2.76	169
401430235	2013	7	6	5	V	0.7	0	1.88	171
401430235	2013	7	6	6	V	8.4	0	2.47	168
401430235	2013	7	6	7	V	1.0	0	3.01	170
401430235	2013	7	6	8	V	1.4	0	3.06	181
401430235	2013	7	6	9	V	1.5	0	3.68	169
401430235	2013	7	6	10	V	1.0	0	4.42	150
401430235	2013	7	6	11	V	1.6	0	4.22	156
401430235	2013	7	6	12	V	2.3	0	5.1	160
401430235	2013	7	6	13	V	2.5	0	5.48	162
401430235	2013	7	6	14	V	3.1	0	5.82	159
401430235	2013	7	6	15	V	2.1	0	5.87	161
401430235	2013	7	6	16	V	2.6	0	5.09	165
401430235	2013	7	6	17	V	2.3	0	3.81	165
401430235	2013	7	6	18	V	5.8	0	3.9	135
401430235	2013	7	6	19	V	1.5	0	3.44	133
401430235	2013	7	6	20	V	1.9	0	3.13	149
401430235	2013	7	6	21	V	1.5	0	1.72	172
401430235	2013	7	6	22	V	1.3	0	0.84	151
401430235	2013	7	6	23	C	-999	0	0	0
401430235	2013	7	6	24	V	3.0	0	0.63	215
401430235	2013	7	7	1	V	5.9	0	0.87	223
401430235	2013	7	7	2	V	2.7	0	2.13	185
401430235	2013	7	7	3	V	4.4	0	2.91	187
401430235	2013	7	7	4	V	0.8	0	1.76	179
401430235	2013	7	7	5	V	0.6	0	2.01	142
401430235	2013	7	7	6	V	8.4	0	2.16	176
401430235	2013	7	7	7	V	1.1	0	2.01	172
401430235	2013	7	7	8	V	1.8	0	1.6	177
401430235	2013	7	7	9	V	1.5	0	3.32	186
401430235	2013	7	7	10	V	1.1	0	5.07	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	7	11	V	1.7	0	5.22	193
401430235	2013	7	7	12	V	2.4	0	4.71	181
401430235	2013	7	7	13	V	2.6	0	4.34	190
401430235	2013	7	7	14	V	3.2	0	4.46	172
401430235	2013	7	7	15	V	2.2	0	4.85	173
401430235	2013	7	7	16	V	2.6	0	5.12	171
401430235	2013	7	7	17	V	2.3	0	4.65	164
401430235	2013	7	7	18	V	5.9	0	4.66	161
401430235	2013	7	7	19	V	1.6	0	3.86	165
401430235	2013	7	7	20	V	1.9	0	3.07	168
401430235	2013	7	7	21	V	1.5	0	1.94	192
401430235	2013	7	7	22	V	1.4	0	0.99	213
401430235	2013	7	7	23	V	1.2	0	0.62	237
401430235	2013	7	7	24	C	-999	0	0	0
401430235	2013	7	8	1	V	6.0	0	0.65	236
401430235	2013	7	8	2	C	-999	0	0	0
401430235	2013	7	8	3	V	5.4	0	0.52	250
401430235	2013	7	8	4	C	-999	0	0	0
401430235	2013	7	8	5	V	1.6	0	0.62	201
401430235	2013	7	8	6	V	9.5	0	0.62	186
401430235	2013	7	8	7	V	2.8	0	0.58	253
401430235	2013	7	8	8	V	1.4	0	2.96	200
401430235	2013	7	8	9	V	1.5	0	4.07	185
401430235	2013	7	8	10	V	1.4	0	1.52	227
401430235	2013	7	8	11	V	1.7	0	4.22	190
401430235	2013	7	8	12	V	2.4	0	4.36	194
401430235	2013	7	8	13	V	2.6	0	4.65	188
401430235	2013	7	8	14	V	3.2	0	4.65	185
401430235	2013	7	8	15	V	2.2	0	4.56	183
401430235	2013	7	8	16	V	2.6	0	5	176
401430235	2013	7	8	17	V	2.2	0	5.28	163
401430235	2013	7	8	18	V	5.9	0	5.27	172
401430235	2013	7	8	19	V	1.7	0	4.78	171
401430235	2013	7	8	20	V	1.9	0	3.12	170
401430235	2013	7	8	21	V	1.4	0	2.61	172
401430235	2013	7	8	22	V	1.1	0	1.89	191
401430235	2013	7	8	23	V	1.3	0	1.31	219
401430235	2013	7	8	24	V	2.5	0	1.21	197
401430235	2013	7	9	1	V	5.7	0	1.89	188
401430235	2013	7	9	2	V	2.7	0	2.95	189
401430235	2013	7	9	3	V	4.4	0	3.17	190
401430235	2013	7	9	4	V	0.8	0	1.96	202
401430235	2013	7	9	5	V	0.9	0	1.25	209
401430235	2013	7	9	6	V	8.5	0	1.65	193
401430235	2013	7	9	7	V	1.0	0	3.56	188
401430235	2013	7	9	8	V	1.3	0	4.42	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	9	9	V	1.4	0	4.58	206
401430235	2013	7	9	10	V	1.1	0	4.05	201
401430235	2013	7	9	11	V	1.7	0	5.02	185
401430235	2013	7	9	12	V	2.4	0	5.22	184
401430235	2013	7	9	13	V	2.6	0	5.43	189
401430235	2013	7	9	14	V	3.2	-999	5.9	197
401430235	2013	7	9	15	V	2.1	0	5.41	196
401430235	2013	7	9	16	V	2.6	0	5.34	202
401430235	2013	7	9	17	V	2.2	0	4.99	205
401430235	2013	7	9	18	V	5.9	0	4.83	206
401430235	2013	7	9	19	V	1.6	0	4.48	197
401430235	2013	7	9	20	V	1.9	0	3.68	184
401430235	2013	7	9	21	V	1.4	0	3.61	187
401430235	2013	7	9	22	V	1.0	0	3.54	189
401430235	2013	7	9	23	V	0.7	0	2.84	200
401430235	2013	7	9	24	V	2.8	0	1.59	214
401430235	2013	7	10	1	V	5.6	0	1.94	208
401430235	2013	7	10	2	V	2.7	0	2.28	199
401430235	2013	7	10	3	V	4.5	0	1.21	203
401430235	2013	7	10	4	V	0.9	0	1.14	354
401430235	2013	7	10	5	V	0.9	0	1.04	207
401430235	2013	7	10	6	V	8.7	0	0.84	222
401430235	2013	7	10	7	V	1.2	0	1.88	178
401430235	2013	7	10	8	V	1.6	0	2.06	184
401430235	2013	7	10	9	V	1.6	0	2.76	209
401430235	2013	7	10	10	V	1.1	0	3.68	218
401430235	2013	7	10	11	V	1.7	0	2.11	235
401430235	2013	7	10	12	V	2.4	0	2.04	268
401430235	2013	7	10	13	V	3.3	0	1.88	292
401430235	2013	7	10	14	V	3.8	0	1.47	297
401430235	2013	7	10	15	V	2.1	0	2.52	263
401430235	2013	7	10	16	V	2.9	0	2.13	279
401430235	2013	7	10	17	V	2.2	0	2.23	249
401430235	2013	7	10	18	V	5.8	0	2.89	240
401430235	2013	7	10	19	V	1.6	0	2.06	244
401430235	2013	7	10	20	V	2.0	0	0.87	258
401430235	2013	7	10	21	V	1.7	0	0.69	274
401430235	2013	7	10	22	V	4.3	0	0.72	295
401430235	2013	7	10	23	V	0.8	0	1.08	248
401430235	2013	7	10	24	V	2.3	0	1.48	208
401430235	2013	7	11	1	V	6.1	0	0.97	167
401430235	2013	7	11	2	V	2.9	0	1.35	181
401430235	2013	7	11	3	V	5.2	0	0.69	180
401430235	2013	7	11	4	V	1.3	0	0.94	189
401430235	2013	7	11	5	V	0.7	0	1.53	118
401430235	2013	7	11	6	V	8.4	0	1.77	108

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	11	7	V	1.0	0	2.2	137
401430235	2013	7	11	8	V	1.7	0	1.94	179
401430235	2013	7	11	9	V	1.9	0	1.94	208
401430235	2013	7	11	10	V	5.0	0	0.96	327
401430235	2013	7	11	11	V	2.0	0	1.72	1
401430235	2013	7	11	12	V	3.4	0	2.08	39
401430235	2013	7	11	13	V	3.2	0	3.29	47
401430235	2013	7	11	14	V	3.5	0	3.35	51
401430235	2013	7	11	15	V	2.1	0	3.29	63
401430235	2013	7	11	16	V	2.7	0	4.44	54
401430235	2013	7	11	17	V	2.2	0	3.8	71
401430235	2013	7	11	18	V	5.9	0	1.94	245
401430235	2013	7	11	19	V	1.8	0	0.89	224
401430235	2013	7	11	20	V	2.0	0	1.13	232
401430235	2013	7	11	21	V	3.0	0	0.72	289
401430235	2013	7	11	22	V	1.5	0	0.72	280
401430235	2013	7	11	23	V	1.2	0	0.65	269
401430235	2013	7	11	24	V	2.5	0	0.75	242
401430235	2013	7	12	1	V	6.0	0	0.8	211
401430235	2013	7	12	2	V	3.0	0	0.74	236
401430235	2013	7	12	3	C	-999	0	0	0
401430235	2013	7	12	4	C	-999	0	0	0
401430235	2013	7	12	5	V	1.2	0	0.91	190
401430235	2013	7	12	6	V	8.6	0	1.3	186
401430235	2013	7	12	7	V	1.2	0	1.82	168
401430235	2013	7	12	8	V	1.4	0	3.61	166
401430235	2013	7	12	9	V	1.5	0	3.88	161
401430235	2013	7	12	10	V	1.1	0	4.19	163
401430235	2013	7	12	11	V	1.6	0	4.36	156
401430235	2013	7	12	12	V	2.3	0	4.29	165
401430235	2013	7	12	13	V	2.5	0	4.1	162
401430235	2013	7	12	14	V	3.2	0	4.1	161
401430235	2013	7	12	15	V	2.1	0	3.98	156
401430235	2013	7	12	16	V	2.6	0	4.09	152
401430235	2013	7	12	17	V	2.2	0	3.97	146
401430235	2013	7	12	18	V	5.8	0	5	134
401430235	2013	7	12	19	V	1.5	0	4.75	129
401430235	2013	7	12	20	V	1.9	0	3.15	138
401430235	2013	7	12	21	V	1.4	0	2.18	142
401430235	2013	7	12	22	V	1.0	0	2.08	151
401430235	2013	7	12	23	V	1.0	0	1.33	175
401430235	2013	7	12	24	V	2.3	0	1.64	198
401430235	2013	7	13	1	V	5.6	0	2.3	173
401430235	2013	7	13	2	V	2.7	0	2.03	159
401430235	2013	7	13	3	V	4.4	0	2.06	151
401430235	2013	7	13	4	V	0.8	0	2.16	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	13	5	V	0.7	0	2.5	171
401430235	2013	7	13	6	V	8.4	0	2.5	167
401430235	2013	7	13	7	V	1.0	0	3.46	167
401430235	2013	7	13	8	V	1.4	0	3.9	176
401430235	2013	7	13	9	V	1.5	0	4.56	172
401430235	2013	7	13	10	V	1.1	0	4.27	180
401430235	2013	7	13	11	V	1.7	0	3.86	175
401430235	2013	7	13	12	V	2.3	0	3.63	153
401430235	2013	7	13	13	V	2.5	0	3.64	159
401430235	2013	7	13	14	V	3.2	0	3.42	163
401430235	2013	7	13	15	V	2.1	0	3.66	123
401430235	2013	7	13	16	V	2.6	0	3.2	134
401430235	2013	7	13	17	V	2.2	0	3.57	128
401430235	2013	7	13	18	V	5.8	0	3.69	121
401430235	2013	7	13	19	V	1.5	0	4.07	124
401430235	2013	7	13	20	V	1.9	0	3.64	137
401430235	2013	7	13	21	V	1.4	0	4.19	151
401430235	2013	7	13	22	V	1.0	0	4.78	147
401430235	2013	7	13	23	V	0.7	0	3.69	152
401430235	2013	7	13	24	V	2.2	0	2.11	155
401430235	2013	7	14	1	V	5.6	0	1.57	228
401430235	2013	7	14	2	V	17.6	0	0.75	322
401430235	2013	7	14	3	V	4.7	0	1.31	169
401430235	2013	7	14	4	V	0.8	0	1.76	252
401430235	2013	7	14	5	V	0.7	0	2.11	198
401430235	2013	7	14	6	V	8.3	0	2.21	133
401430235	2013	7	14	7	V	5.7	0	0.75	300
401430235	2013	7	14	8	V	2.0	0	0.94	238
401430235	2013	7	14	9	V	1.6	0	1.91	232
401430235	2013	7	14	10	V	1.1	0	4	193
401430235	2013	7	14	11	V	1.7	0	4.05	170
401430235	2013	7	14	12	V	2.3	0	3.75	142
401430235	2013	7	14	13	V	2.5	0	4.71	161
401430235	2013	7	14	14	V	3.2	0	4.53	169
401430235	2013	7	14	15	V	2.2	0	3.3	174
401430235	2013	7	14	16	V	2.7	0	2.15	210
401430235	2013	7	14	17	V	2.9	0	1.99	349
401430235	2013	7	14	18	V	5.8	0	3.24	2
401430235	2013	7	14	19	V	1.6	0	1.74	262
401430235	2013	7	14	20	V	2.0	0	1.13	252
401430235	2013	7	14	21	V	1.4	0	1.64	244
401430235	2013	7	14	22	V	1.0	0	2.37	244
401430235	2013	7	14	23	V	0.8	0	1.52	254
401430235	2013	7	14	24	V	2.3	0	1.3	354
401430235	2013	7	15	1	V	5.6	0	1.81	272
401430235	2013	7	15	2	V	2.7	0	1.91	248

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	15	3	V	4.4	0	2.56	260
401430235	2013	7	15	4	V	11.2	0	1.86	310
401430235	2013	7	15	5	V	0.8	0	2.42	279
401430235	2013	7	15	6	V	16.2	0	1.16	306
401430235	2013	7	15	7	V	1.0	0	1.67	10
401430235	2013	7	15	8	V	3.0	0	3.12	32
401430235	2013	7	15	9	V	2.3	0	2.95	30
401430235	2013	7	15	10	V	1.3	0	3.2	53
401430235	2013	7	15	11	V	1.6	0	5.12	99
401430235	2013	7	15	12	V	2.2	0	6.58	136
401430235	2013	7	15	13	V	2.5	0	5.77	160
401430235	2013	7	15	14	V	3.2	0	5.02	168
401430235	2013	7	15	15	V	2.2	0	4.99	180
401430235	2013	7	15	16	V	2.6	0	3.54	190
401430235	2013	7	15	17	V	2.4	0	2.23	194
401430235	2013	7	15	18	V	5.9	0	1.77	228
401430235	2013	7	15	19	V	1.6	0	1.23	254
401430235	2013	7	15	20	V	14.3	0	0.52	325
401430235	2013	7	15	21	V	15.0	0	0.79	327
401430235	2013	7	15	22	V	1.8	0	0.55	252
401430235	2013	7	15	23	V	1.7	0	0.55	5
401430235	2013	7	15	24	V	2.8	0	1.11	50
401430235	2013	7	16	1	V	5.7	0	1.04	26
401430235	2013	7	16	2	V	2.7	0	1.23	9
401430235	2013	7	16	3	V	4.4	0	1.47	131
401430235	2013	7	16	4	V	0.8	0	2.03	103
401430235	2013	7	16	5	V	0.7	0	1.26	73
401430235	2013	7	16	6	C	-999	0	0	0
401430235	2013	7	16	7	V	1.1	0	1.5	94
401430235	2013	7	16	8	V	1.4	0	2.16	101
401430235	2013	7	16	9	V	1.5	0	2.59	128
401430235	2013	7	16	10	V	1.1	0	3.03	151
401430235	2013	7	16	11	V	1.6	0	3.49	142
401430235	2013	7	16	12	V	2.3	0	3.34	129
401430235	2013	7	16	13	V	2.4	0	4.95	106
401430235	2013	7	16	14	V	3.1	-999	3.59	117
401430235	2013	7	16	15	V	2.1	0	3.86	108
401430235	2013	7	16	16	V	2.5	0	4	113
401430235	2013	7	16	17	V	2.2	0	4.75	117
401430235	2013	7	16	18	V	5.8	0	3.58	107
401430235	2013	7	16	19	V	1.5	0	3.59	101
401430235	2013	7	16	20	V	1.9	0	2.23	97
401430235	2013	7	16	21	V	1.5	0	1.18	74
401430235	2013	7	16	22	V	2.1	0	1.3	48
401430235	2013	7	16	23	V	1.1	0	0.77	10
401430235	2013	7	16	24	V	3.2	0	1.18	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	17	1	V	6.4	0	0.74	33
401430235	2013	7	17	2	V	4.3	0	0.74	42
401430235	2013	7	17	3	V	5.0	0	0.63	74
401430235	2013	7	17	4	C	-999	0	0	0
401430235	2013	7	17	5	V	1.8	0	0.57	37
401430235	2013	7	17	6	V	8.5	0	1.03	132
401430235	2013	7	17	7	V	1.3	0	1.2	143
401430235	2013	7	17	8	V	1.4	0	2.3	135
401430235	2013	7	17	9	V	1.6	0	2.62	163
401430235	2013	7	17	10	V	1.1	0	3.25	170
401430235	2013	7	17	11	V	1.7	0	2.69	154
401430235	2013	7	17	12	V	2.3	0	2.88	126
401430235	2013	7	17	13	V	2.5	0	3.22	133
401430235	2013	7	17	14	V	3.1	0	3.64	111
401430235	2013	7	17	15	V	2.1	0	4.03	109
401430235	2013	7	17	16	V	2.5	0	3.97	120
401430235	2013	7	17	17	V	2.2	0	4.05	127
401430235	2013	7	17	18	V	5.8	0	3.78	151
401430235	2013	7	17	19	V	1.7	0	3.01	166
401430235	2013	7	17	20	V	1.9	0	2.03	178
401430235	2013	7	17	21	V	1.5	0	1.18	244
401430235	2013	7	17	22	V	1.2	0	0.96	269
401430235	2013	7	17	23	C	-999	0	0	0
401430235	2013	7	17	24	C	-999	0	0	0
401430235	2013	7	18	1	V	6.6	0	0.52	267
401430235	2013	7	18	2	C	-999	0	0	0
401430235	2013	7	18	3	C	-999	0	0	0
401430235	2013	7	18	4	V	1.4	0	0.6	269
401430235	2013	7	18	5	C	-999	0	0	0
401430235	2013	7	18	6	V	9.1	0	0.55	239
401430235	2013	7	18	7	V	2.5	0	0.63	240
401430235	2013	7	18	8	V	3.2	0	0.77	212
401430235	2013	7	18	9	V	1.7	0	1.74	194
401430235	2013	7	18	10	V	1.2	0	1.84	211
401430235	2013	7	18	11	V	1.8	0	2.13	222
401430235	2013	7	18	12	V	2.4	0	2.59	194
401430235	2013	7	18	13	V	2.6	0	2.74	215
401430235	2013	7	18	14	V	3.2	0	3	201
401430235	2013	7	18	15	V	2.1	0	2.98	216
401430235	2013	7	18	16	V	2.6	0	3	228
401430235	2013	7	18	17	V	2.2	0	2.42	250
401430235	2013	7	18	18	V	6.0	0	1.91	274
401430235	2013	7	18	19	V	1.7	0	1.4	267
401430235	2013	7	18	20	V	2.1	0	0.74	257
401430235	2013	7	18	21	V	1.7	0	0.75	232
401430235	2013	7	18	22	V	1.5	0	0.62	230

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	18	23	V	1.5	0	0.55	243
401430235	2013	7	18	24	C	-999	0	0	0
401430235	2013	7	19	1	V	5.7	0	0.97	249
401430235	2013	7	19	2	V	3.4	0	0.65	217
401430235	2013	7	19	3	V	5.3	0	0.57	81
401430235	2013	7	19	4	V	1.3	0	0.62	247
401430235	2013	7	19	5	V	0.9	0	1.4	194
401430235	2013	7	19	6	V	8.6	0	1.04	207
401430235	2013	7	19	7	V	1.2	0	1.55	187
401430235	2013	7	19	8	V	1.5	0	2.22	198
401430235	2013	7	19	9	V	1.7	0	2.16	224
401430235	2013	7	19	10	V	1.1	0	2.42	233
401430235	2013	7	19	11	V	1.7	0	2.37	238
401430235	2013	7	19	12	V	2.4	0	2.25	217
401430235	2013	7	19	13	V	2.5	0	2.61	229
401430235	2013	7	19	14	V	3.1	0	2.69	232
401430235	2013	7	19	15	V	2.1	0	3.12	231
401430235	2013	7	19	16	V	2.6	0	3.29	222
401430235	2013	7	19	17	V	2.2	0	2.57	246
401430235	2013	7	19	18	V	5.9	0	2.54	223
401430235	2013	7	19	19	V	1.6	0	2.57	227
401430235	2013	7	19	20	V	2.0	0	1.52	225
401430235	2013	7	19	21	V	1.6	0	3.77	209
401430235	2013	7	19	22	V	1.0	0	2.86	176
401430235	2013	7	19	23	V	0.7	0	2.36	204
401430235	2013	7	19	24	V	2.9	0	1.53	218
401430235	2013	7	20	1	V	5.6	0	1.52	205
401430235	2013	7	20	2	V	2.7	0	1.67	199
401430235	2013	7	20	3	V	4.4	0	1.77	202
401430235	2013	7	20	4	V	1.5	0	1.72	215
401430235	2013	7	20	5	V	0.9	0	0.79	229
401430235	2013	7	20	6	V	8.5	0	1.65	182
401430235	2013	7	20	7	V	1.1	0	2.27	189
401430235	2013	7	20	8	V	1.6	0	2.18	191
401430235	2013	7	20	9	V	1.6	0	2.64	214
401430235	2013	7	20	10	V	1.4	0	1.76	189
401430235	2013	7	20	11	V	1.7	0	2.67	158
401430235	2013	7	20	12	V	2.3	0	3	153
401430235	2013	7	20	13	V	2.5	0	3.8	159
401430235	2013	7	20	14	V	3.2	0	4.24	172
401430235	2013	7	20	15	V	2.2	0	4.31	172
401430235	2013	7	20	16	V	2.6	0	4.51	180
401430235	2013	7	20	17	V	2.3	0	5.21	189
401430235	2013	7	20	18	V	5.9	0	5.02	190
401430235	2013	7	20	19	V	1.6	0	4.05	209
401430235	2013	7	20	20	V	1.9	0	2.05	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	20	21	V	1.4	0	1.93	201
401430235	2013	7	20	22	V	1.0	0	2.54	183
401430235	2013	7	20	23	V	0.7	0	2.16	177
401430235	2013	7	20	24	V	2.2	0	4.39	55
401430235	2013	7	21	1	V	5.6	0	4.54	53
401430235	2013	7	21	2	V	2.7	0	3.25	66
401430235	2013	7	21	3	V	7.1	0	3.07	44
401430235	2013	7	21	4	V	0.8	0	3.71	9
401430235	2013	7	21	5	V	0.8	0	4.29	29
401430235	2013	7	21	6	V	12.6	0	2.98	41
401430235	2013	7	21	7	V	1.1	0	2.38	58
401430235	2013	7	21	8	V	1.3	0	2.95	118
401430235	2013	7	21	9	V	1.6	0	1.89	11
401430235	2013	7	21	10	V	1.0	0	3.52	121
401430235	2013	7	21	11	V	1.7	0	2.4	122
401430235	2013	7	21	12	V	2.5	0	2.13	67
401430235	2013	7	21	13	V	2.5	0	2.81	112
401430235	2013	7	21	14	V	3.2	0	3.59	156
401430235	2013	7	21	15	V	2.2	0	4.85	177
401430235	2013	7	21	16	V	2.6	0	4.49	185
401430235	2013	7	21	17	V	2.3	0	4.05	193
401430235	2013	7	21	18	V	5.9	0	3.81	198
401430235	2013	7	21	19	V	1.7	0	3.36	168
401430235	2013	7	21	20	V	2.0	0	1.79	169
401430235	2013	7	21	21	V	1.4	0	1.82	177
401430235	2013	7	21	22	V	1.1	0	1.64	186
401430235	2013	7	21	23	V	0.8	0	3	190
401430235	2013	7	21	24	V	2.3	0	2.32	191
401430235	2013	7	22	1	V	5.6	0	2.54	186
401430235	2013	7	22	2	V	2.7	0	2.84	191
401430235	2013	7	22	3	V	4.4	0	2.61	198
401430235	2013	7	22	4	V	0.9	0	1.42	200
401430235	2013	7	22	5	V	0.7	0	1.62	207
401430235	2013	7	22	6	V	8.4	0	3.1	205
401430235	2013	7	22	7	V	0.9	0	3.68	203
401430235	2013	7	22	8	V	1.3	0	4.63	213
401430235	2013	7	22	9	V	1.4	0	4.48	218
401430235	2013	7	22	10	V	1.0	0	3.32	226
401430235	2013	7	22	11	V	1.6	0	3.56	226
401430235	2013	7	22	12	V	2.4	0	3.39	209
401430235	2013	7	22	13	V	2.5	0	2.71	240
401430235	2013	7	22	14	V	3.1	0	4.56	82
401430235	2013	7	22	15	V	2.1	0	4.08	139
401430235	2013	7	22	16	V	2.5	0	5.24	125
401430235	2013	7	22	17	V	2.2	0	4.51	138
401430235	2013	7	22	18	V	5.9	0	3.76	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	22	19	V	1.7	0	1.59	221
401430235	2013	7	22	20	V	1.9	0	1.86	226
401430235	2013	7	22	21	V	1.4	0	4.92	197
401430235	2013	7	22	22	V	1.1	0	3.35	207
401430235	2013	7	22	23	V	0.8	0	1.89	209
401430235	2013	7	22	24	V	2.2	0	2.4	182
401430235	2013	7	23	1	V	5.5	0	2.59	180
401430235	2013	7	23	2	V	2.8	0	1.77	193
401430235	2013	7	23	3	V	4.5	0	1.52	195
401430235	2013	7	23	4	V	0.9	0	1.6	195
401430235	2013	7	23	5	V	0.9	0	1.35	196
401430235	2013	7	23	6	V	8.8	0	0.84	202
401430235	2013	7	23	7	V	1.2	0	1.47	195
401430235	2013	7	23	8	V	1.4	0	3.27	210
401430235	2013	7	23	9	V	1.4	0	3.22	229
401430235	2013	7	23	10	V	1.1	0	3.2	221
401430235	2013	7	23	11	V	1.6	0	2.9	236
401430235	2013	7	23	12	V	2.3	0	2.69	249
401430235	2013	7	23	13	V	2.6	0	2.83	213
401430235	2013	7	23	14	V	3.2	0	2.08	242
401430235	2013	7	23	15	V	2.1	0	2.45	226
401430235	2013	7	23	16	V	2.6	0	3.17	226
401430235	2013	7	23	17	V	2.2	0	3.61	226
401430235	2013	7	23	18	V	5.8	0	4.03	223
401430235	2013	7	23	19	V	1.6	0	3.37	217
401430235	2013	7	23	20	V	2.0	0	1.94	224
401430235	2013	7	23	21	V	1.7	0	1.81	221
401430235	2013	7	23	22	V	1.1	0	1.06	239
401430235	2013	7	23	23	V	1.2	-999	4.31	288
401430235	2013	7	23	24	V	2.3	-999	5.84	359
401430235	2013	7	24	1	V	5.8	-999	2.96	352
401430235	2013	7	24	2	V	2.6	-999	2.59	146
401430235	2013	7	24	3	V	4.4	-999	2.78	193
401430235	2013	7	24	4	V	0.8	-999	3.4	180
401430235	2013	7	24	5	V	0.7	-999	3.22	204
401430235	2013	7	24	6	V	8.8	-999	2.61	213
401430235	2013	7	24	7	V	1.0	-999	1.57	240
401430235	2013	7	24	8	V	5.9	-999	0.92	300
401430235	2013	7	24	9	V	2.1	-999	2.2	347
401430235	2013	7	24	10	V	1.7	-999	2.73	345
401430235	2013	7	24	11	V	1.7	-999	2.89	360
401430235	2013	7	24	12	V	2.9	0	2.73	28
401430235	2013	7	24	13	V	2.6	0	2.42	9
401430235	2013	7	24	14	V	3.5	0	2.61	26
401430235	2013	7	24	15	V	3.5	0	2.1	41
401430235	2013	7	24	16	V	4.2	0	2.67	37

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	24	17	V	3.3	0	3.44	48
401430235	2013	7	24	18	V	6.9	0	3.49	48
401430235	2013	7	24	19	V	1.5	0	3	74
401430235	2013	7	24	20	V	1.9	0	2.25	92
401430235	2013	7	24	21	V	1.6	0	0.86	245
401430235	2013	7	24	22	V	1.7	0	0.58	269
401430235	2013	7	24	23	V	3.5	0	0.58	346
401430235	2013	7	24	24	V	2.9	0	0.6	263
401430235	2013	7	25	1	V	14.9	0	0.65	305
401430235	2013	7	25	2	V	10.0	0	0.58	301
401430235	2013	7	25	3	V	4.5	0	0.89	233
401430235	2013	7	25	4	V	1.3	0	0.69	279
401430235	2013	7	25	5	V	9.1	0	0.58	303
401430235	2013	7	25	6	V	8.4	0	1.48	3
401430235	2013	7	25	7	V	1.4	0	1.47	22
401430235	2013	7	25	8	V	1.9	0	1.28	147
401430235	2013	7	25	9	V	1.8	0	1.38	252
401430235	2013	7	25	10	V	2.2	0	0.87	97
401430235	2013	7	25	11	V	1.9	0	1.79	199
401430235	2013	7	25	12	V	2.8	0	1.21	194
401430235	2013	7	25	13	V	2.6	0	1.98	132
401430235	2013	7	25	14	V	3.2	0	2.9	147
401430235	2013	7	25	15	V	2.1	0	3.22	135
401430235	2013	7	25	16	V	2.6	0	2.33	118
401430235	2013	7	25	17	V	2.2	0	3.25	121
401430235	2013	7	25	18	V	5.8	0	3	120
401430235	2013	7	25	19	V	1.5	0	2.96	107
401430235	2013	7	25	20	V	1.9	0	2.42	113
401430235	2013	7	25	21	V	1.4	0	1.5	146
401430235	2013	7	25	22	V	1.1	0	1.62	160
401430235	2013	7	25	23	V	0.9	0	1.57	172
401430235	2013	7	25	24	V	2.4	0	1.2	209
401430235	2013	7	26	1	V	5.8	0	1.37	165
401430235	2013	7	26	2	V	2.7	0	2.5	163
401430235	2013	7	26	3	V	4.4	0	3.32	182
401430235	2013	7	26	4	V	0.8	0	2.25	167
401430235	2013	7	26	5	V	0.6	0	3.93	165
401430235	2013	7	26	6	V	8.3	0	3.61	121
401430235	2013	7	26	7	V	1.0	0	4.02	172
401430235	2013	7	26	8	V	1.5	0	2.21	212
401430235	2013	7	26	9	V	3.1	0	0.8	286
401430235	2013	7	26	10	V	1.2	0	1.86	154
401430235	2013	7	26	11	V	1.8	0	2.5	170
401430235	2013	7	26	12	V	2.4	0	3.17	174
401430235	2013	7	26	13	V	2.6	0	2.62	204
401430235	2013	7	26	14	V	4.3	0	2.37	341

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	26	15	V	2.1	0	2.83	357
401430235	2013	7	26	16	V	2.6	0	3.47	24
401430235	2013	7	26	17	V	3.2	0	3.57	34
401430235	2013	7	26	18	V	7.7	0	4.26	42
401430235	2013	7	26	19	V	1.5	0	3.73	86
401430235	2013	7	26	20	V	1.9	0	3.25	76
401430235	2013	7	26	21	V	1.5	0	1.11	67
401430235	2013	7	26	22	V	1.3	0	0.91	205
401430235	2013	7	26	23	V	1.0	0	0.77	272
401430235	2013	7	26	24	V	2.4	0	0.97	269
401430235	2013	7	27	1	V	5.9	0	0.72	267
401430235	2013	7	27	2	V	2.8	0	0.89	232
401430235	2013	7	27	3	C	-999	0	0	0
401430235	2013	7	27	4	V	1.7	0	0.53	257
401430235	2013	7	27	5	V	3.4	0	0.91	297
401430235	2013	7	27	6	V	8.7	0	0.7	238
401430235	2013	7	27	7	V	6.7	0	1.26	327
401430235	2013	7	27	8	V	1.4	0	2.13	14
401430235	2013	7	27	9	V	3.6	0	2.86	34
401430235	2013	7	27	10	V	3.5	0	2.5	43
401430235	2013	7	27	11	V	2.9	0	2.66	32
401430235	2013	7	27	12	V	2.7	0	2.42	56
401430235	2013	7	27	13	V	3.6	1	3.07	47
401430235	2013	7	27	14	V	3.5	1	3.06	27
401430235	2013	7	27	15	V	3.3	1	2.67	42
401430235	2013	7	27	16	V	3.0	1	1.99	26
401430235	2013	7	27	17	V	3.4	1	2.45	38
401430235	2013	7	27	18	V	5.9	1	2.84	22
401430235	2013	7	27	19	V	2.0	1	3.01	32
401430235	2013	7	27	20	V	1.9	1	2.38	26
401430235	2013	7	27	21	V	1.6	1	0.91	358
401430235	2013	7	27	22	V	1.9	0	0.63	355
401430235	2013	7	27	23	V	0.9	0	1.09	10
401430235	2013	7	27	24	V	5.4	0	1.45	45
401430235	2013	7	28	1	V	5.8	0	0.87	70
401430235	2013	7	28	2	V	2.7	0	1.62	112
401430235	2013	7	28	3	V	4.4	0	1.42	19
401430235	2013	7	28	4	V	0.8	0	2.64	14
401430235	2013	7	28	5	V	0.6	0	2.52	26
401430235	2013	7	28	6	V	8.4	0	2.3	31
401430235	2013	7	28	7	V	3.4	0	2.49	45
401430235	2013	7	28	8	V	5.5	0	3.23	42
401430235	2013	7	28	9	V	1.4	0	3.3	71
401430235	2013	7	28	10	V	1.0	0	2.96	132
401430235	2013	7	28	11	V	1.7	0	2.67	144
401430235	2013	7	28	12	V	2.3	0	2.98	138

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	28	13	V	2.5	0	3.22	155
401430235	2013	7	28	14	V	3.1	0	2.95	137
401430235	2013	7	28	15	V	2.1	0	3.03	117
401430235	2013	7	28	16	V	2.5	0	3.76	95
401430235	2013	7	28	17	V	2.2	0	4.39	99
401430235	2013	7	28	18	V	5.8	0	4.9	90
401430235	2013	7	28	19	V	1.5	0	6.01	63
401430235	2013	7	28	20	V	1.9	0	5.43	68
401430235	2013	7	28	21	V	1.4	0	4.2	80
401430235	2013	7	28	22	V	1.0	0	2.79	89
401430235	2013	7	28	23	V	0.7	0	2.76	91
401430235	2013	7	28	24	V	2.2	0	2.27	84
401430235	2013	7	29	1	V	5.5	0	2.11	98
401430235	2013	7	29	2	V	2.6	0	2.45	124
401430235	2013	7	29	3	V	4.3	0	2.37	127
401430235	2013	7	29	4	V	0.7	0	2.06	122
401430235	2013	7	29	5	V	0.6	0	2.2	135
401430235	2013	7	29	6	V	8.3	0	2.71	142
401430235	2013	7	29	7	V	0.9	0	3.12	151
401430235	2013	7	29	8	V	1.4	0	3.66	166
401430235	2013	7	29	9	V	1.5	0	4.51	168
401430235	2013	7	29	10	V	1.1	0	5.41	168
401430235	2013	7	29	11	V	1.7	0	5.5	167
401430235	2013	7	29	12	V	2.3	0	6.31	168
401430235	2013	7	29	13	V	2.5	0	6.18	165
401430235	2013	7	29	14	V	3.2	0	6.43	167
401430235	2013	7	29	15	V	2.1	0	6.92	176
401430235	2013	7	29	16	V	2.6	0	6.41	172
401430235	2013	7	29	17	V	2.3	0	6.36	171
401430235	2013	7	29	18	V	5.9	0	6.14	169
401430235	2013	7	29	19	V	1.6	0	5.36	168
401430235	2013	7	29	20	V	1.9	0	5.26	171
401430235	2013	7	29	21	V	1.4	0	4.66	166
401430235	2013	7	29	22	V	1.0	0	4.88	170
401430235	2013	7	29	23	V	0.7	0	3.85	176
401430235	2013	7	29	24	V	2.3	0	3.39	274
401430235	2013	7	30	1	V	5.6	0	2.98	237
401430235	2013	7	30	2	V	2.6	0	2.78	153
401430235	2013	7	30	3	V	4.4	0	2.15	175
401430235	2013	7	30	4	V	1.0	0	2.32	223
401430235	2013	7	30	5	V	0.7	0	1.82	167
401430235	2013	7	30	6	V	8.8	0	1.03	162
401430235	2013	7	30	7	V	1.6	0	1.06	214
401430235	2013	7	30	8	V	2.9	0	0.82	249
401430235	2013	7	30	9	V	2.8	0	1.01	154
401430235	2013	7	30	10	V	1.5	0	1.96	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	7	30	11	V	1.7	-999	2.1	243
401430235	2013	7	30	12	V	2.3	0	2.44	245
401430235	2013	7	30	13	V	2.5	0	1.87	261
401430235	2013	7	30	14	V	4.7	0	1.26	315
401430235	2013	7	30	15	V	2.4	0	1.42	255
401430235	2013	7	30	16	V	3.9	0	1.31	300
401430235	2013	7	30	17	V	2.6	0	1.55	354
401430235	2013	7	30	18	V	6.2	0	1.48	359
401430235	2013	7	30	19	V	1.6	0	2.79	151
401430235	2013	7	30	20	V	1.9	0	2.45	164
401430235	2013	7	30	21	V	1.6	0	0.7	240
401430235	2013	7	30	22	V	1.2	0	0.86	237
401430235	2013	7	30	23	V	0.9	0	1.03	246
401430235	2013	7	30	24	V	2.6	0	0.75	274
401430235	2013	7	31	1	V	14.3	0	0.87	305
401430235	2013	7	31	2	V	7.7	0	0.8	339
401430235	2013	7	31	3	V	4.4	0	1.6	357
401430235	2013	7	31	4	V	0.8	0	1.45	17
401430235	2013	7	31	5	V	0.6	0	2.18	9
401430235	2013	7	31	6	V	8.4	0	1.72	8
401430235	2013	7	31	7	V	0.9	0	2.56	11
401430235	2013	7	31	8	V	1.3	0	2.95	14
401430235	2013	7	31	9	V	1.6	0	2.37	21
401430235	2013	7	31	10	V	1.2	0	2.08	20
401430235	2013	7	31	11	V	1.7	0	2.45	16
401430235	2013	7	31	12	V	2.3	0	2.96	16
401430235	2013	7	31	13	V	2.5	0	3.73	10
401430235	2013	7	31	14	V	3.1	0	3.73	7
401430235	2013	7	31	15	V	2.1	0	3.59	360
401430235	2013	7	31	16	V	2.6	0	3.15	8
401430235	2013	7	31	17	V	2.3	0	3.86	27
401430235	2013	7	31	18	V	5.8	0	2.88	14
401430235	2013	7	31	19	V	1.6	0	2.08	6
401430235	2013	7	31	20	V	1.9	0	2.06	7
401430235	2013	7	31	21	V	1.4	0	1.69	4
401430235	2013	7	31	22	V	1.0	0	1.59	355
401430235	2013	7	31	23	V	0.8	0	1.6	5
401430235	2013	7	31	24	V	2.3	0	1.11	360
401430235	2013	8	1	1	V	5.7	0	0.99	8
401430235	2013	8	1	2	V	3.1	0	1.42	344
401430235	2013	8	1	3	V	4.4	0	1.91	358
401430235	2013	8	1	4	V	0.7	0	2.1	13
401430235	2013	8	1	5	V	0.7	0	1.87	16
401430235	2013	8	1	6	V	8.4	0	1.86	22
401430235	2013	8	1	7	V	3.3	0	1.59	36
401430235	2013	8	1	8	V	1.4	0	2.38	67

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	1	9	V	1.4	0	2.69	84
401430235	2013	8	1	10	V	1.0	0	2.88	86
401430235	2013	8	1	11	V	1.6	0	2.89	82
401430235	2013	8	1	12	V	2.3	0	2.83	79
401430235	2013	8	1	13	V	2.5	0	2.96	84
401430235	2013	8	1	14	V	3.1	0	2.72	102
401430235	2013	8	1	15	V	2.1	0	2.64	96
401430235	2013	8	1	16	V	2.6	0	3.08	105
401430235	2013	8	1	17	V	2.2	0	2.98	136
401430235	2013	8	1	18	V	5.8	0	3.18	135
401430235	2013	8	1	19	V	1.5	0	2.96	117
401430235	2013	8	1	20	V	1.9	0	1.4	108
401430235	2013	8	1	21	V	1.8	0	0.62	72
401430235	2013	8	1	22	V	1.1	0	1.42	135
401430235	2013	8	1	23	M	-999	0	999	999
401430235	2013	8	1	24	V	2.5	0	1.59	211
401430235	2013	8	2	1	V	6.2	0	1.28	218
401430235	2013	8	2	2	V	2.7	0	2.93	180
401430235	2013	8	2	3	V	4.4	0	3.39	179
401430235	2013	8	2	4	V	0.8	0	2.74	192
401430235	2013	8	2	5	V	0.6	0	2.54	182
401430235	2013	8	2	6	V	8.4	0	2.42	169
401430235	2013	8	2	7	V	1.0	0	3.15	163
401430235	2013	8	2	8	V	1.4	0	4.22	172
401430235	2013	8	2	9	V	1.5	0	4.17	178
401430235	2013	8	2	10	V	1.1	0	3.75	168
401430235	2013	8	2	11	V	1.6	0	3.42	63
401430235	2013	8	2	12	V	2.3	0	3.35	94
401430235	2013	8	2	13	V	2.5	0	3	143
401430235	2013	8	2	14	V	3.2	0	3.8	166
401430235	2013	8	2	15	V	2.2	0	4.53	178
401430235	2013	8	2	16	V	2.6	0	5.39	187
401430235	2013	8	2	17	V	2.3	0	4.97	185
401430235	2013	8	2	18	V	5.9	0	4.92	192
401430235	2013	8	2	19	V	1.7	0	3.85	180
401430235	2013	8	2	20	V	1.9	0	2.61	183
401430235	2013	8	2	21	V	1.4	0	2.57	181
401430235	2013	8	2	22	V	1.0	0	2.81	182
401430235	2013	8	2	23	V	0.7	0	2.81	175
401430235	2013	8	2	24	V	2.2	0	4.31	184
401430235	2013	8	3	1	V	5.6	0	3.54	186
401430235	2013	8	3	2	V	2.7	0	1.88	192
401430235	2013	8	3	3	V	14.0	0	1.7	323
401430235	2013	8	3	4	V	0.8	0	1.33	352
401430235	2013	8	3	5	V	0.6	0	2.23	29
401430235	2013	8	3	6	V	8.4	0	2.86	70

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	3	7	V	0.9	0	3.93	55
401430235	2013	8	3	8	V	1.3	0	3.76	109
401430235	2013	8	3	9	V	1.4	0	4.7	150
401430235	2013	8	3	10	V	1.0	0	5.05	151
401430235	2013	8	3	11	V	1.7	0	4.48	162
401430235	2013	8	3	12	V	2.3	0	3.81	148
401430235	2013	8	3	13	V	2.5	0	4.02	122
401430235	2013	8	3	14	V	3.1	0	3.95	121
401430235	2013	8	3	15	V	2.1	0	4.07	122
401430235	2013	8	3	16	V	2.5	0	3.69	107
401430235	2013	8	3	17	V	2.2	0	4.29	106
401430235	2013	8	3	18	V	5.8	0	3.81	107
401430235	2013	8	3	19	V	1.5	0	2.91	104
401430235	2013	8	3	20	V	1.9	0	2.44	125
401430235	2013	8	3	21	V	1.4	0	2.15	121
401430235	2013	8	3	22	V	1.0	0	2.15	116
401430235	2013	8	3	23	V	1.0	0	0.96	147
401430235	2013	8	3	24	V	2.8	0	0.7	280
401430235	2013	8	4	1	V	5.8	0	1.23	158
401430235	2013	8	4	2	V	2.8	0	1.23	124
401430235	2013	8	4	3	V	4.4	0	1.33	95
401430235	2013	8	4	4	V	0.8	0	1.45	93
401430235	2013	8	4	5	V	0.7	0	1.37	148
401430235	2013	8	4	6	V	9.0	0	0.8	165
401430235	2013	8	4	7	V	1.0	0	1.84	149
401430235	2013	8	4	8	V	1.5	0	2.66	168
401430235	2013	8	4	9	V	1.6	0	2.93	173
401430235	2013	8	4	10	V	1.3	0	1.7	131
401430235	2013	8	4	11	V	1.8	0	2.01	91
401430235	2013	8	4	12	V	2.3	0	3.81	76
401430235	2013	8	4	13	V	2.5	0	3.83	87
401430235	2013	8	4	14	V	3.1	0	4.17	89
401430235	2013	8	4	15	V	2.0	0	4.26	87
401430235	2013	8	4	16	V	2.5	0	3.85	98
401430235	2013	8	4	17	V	2.2	0	4.32	105
401430235	2013	8	4	18	V	5.8	0	4.6	123
401430235	2013	8	4	19	V	1.5	0	3.92	138
401430235	2013	8	4	20	V	1.9	0	4.49	144
401430235	2013	8	4	21	V	1.4	0	3.83	146
401430235	2013	8	4	22	V	1.0	0	3.59	142
401430235	2013	8	4	23	V	0.7	0	3.18	145
401430235	2013	8	4	24	V	2.2	0	3.07	145
401430235	2013	8	5	1	V	5.6	0	3.4	168
401430235	2013	8	5	2	V	2.7	0	2.96	165
401430235	2013	8	5	3	V	4.3	0	2.49	158
401430235	2013	8	5	4	V	0.7	0	2.91	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	5	5	V	0.6	0	2.78	172
401430235	2013	8	5	6	V	8.4	0	1.81	175
401430235	2013	8	5	7	V	1.1	0	1.45	159
401430235	2013	8	5	8	V	1.5	0	2.37	164
401430235	2013	8	5	9	V	1.5	0	3.69	188
401430235	2013	8	5	10	V	1.1	0	4.63	199
401430235	2013	8	5	11	V	1.6	0	4.87	206
401430235	2013	8	5	12	V	2.3	0	5.43	212
401430235	2013	8	5	13	V	2.5	0	4.61	215
401430235	2013	8	5	14	V	3.1	0	4	219
401430235	2013	8	5	15	V	2.1	0	3.15	225
401430235	2013	8	5	16	V	2.6	0	3.75	208
401430235	2013	8	5	17	V	2.3	0	5.31	188
401430235	2013	8	5	18	V	5.9	0	4.95	194
401430235	2013	8	5	19	V	1.7	0	4.03	192
401430235	2013	8	5	20	V	1.9	0	2.4	194
401430235	2013	8	5	21	V	1.4	0	3.03	184
401430235	2013	8	5	22	V	1.0	0	2.3	201
401430235	2013	8	5	23	V	0.7	0	2.2	202
401430235	2013	8	5	24	V	2.3	0	2.3	195
401430235	2013	8	6	1	V	5.6	0	2.18	204
401430235	2013	8	6	2	V	2.6	0	2.08	261
401430235	2013	8	6	3	V	4.4	0	1.45	350
401430235	2013	8	6	4	V	0.7	0	2.13	13
401430235	2013	8	6	5	V	0.8	0	1.16	22
401430235	2013	8	6	6	V	8.9	0	0.91	179
401430235	2013	8	6	7	V	1.2	0	1.33	278
401430235	2013	8	6	8	V	1.4	0	3.47	186
401430235	2013	8	6	9	V	1.5	0	4.05	192
401430235	2013	8	6	10	V	1.1	0	3.49	198
401430235	2013	8	6	11	V	1.7	0	3.46	197
401430235	2013	8	6	12	V	2.4	0	3	193
401430235	2013	8	6	13	V	2.6	0	3.83	197
401430235	2013	8	6	14	V	3.2	0	4.44	191
401430235	2013	8	6	15	V	2.2	0	4.95	186
401430235	2013	8	6	16	V	2.6	0	5.22	192
401430235	2013	8	6	17	V	2.3	0	5.19	187
401430235	2013	8	6	18	V	5.9	0	5.1	185
401430235	2013	8	6	19	V	1.6	0	3.13	196
401430235	2013	8	6	20	V	2.0	0	1.67	195
401430235	2013	8	6	21	V	1.4	0	2.5	185
401430235	2013	8	6	22	V	1.0	0	2.81	174
401430235	2013	8	6	23	V	0.7	0	2.74	170
401430235	2013	8	6	24	V	2.2	0	2.56	168
401430235	2013	8	7	1	V	5.6	0	1.87	165
401430235	2013	8	7	2	V	2.7	0	1.84	257

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	7	3	V	5.0	0	0.77	182
401430235	2013	8	7	4	V	1.4	0	0.58	240
401430235	2013	8	7	5	V	1.9	0	0.51	209
401430235	2013	8	7	6	V	8.5	0	1.04	256
401430235	2013	8	7	7	V	2.0	0	1.16	29
401430235	2013	8	7	8	V	1.3	0	2.52	134
401430235	2013	8	7	9	V	1.5	0	3.4	157
401430235	2013	8	7	10	V	1.1	0	2.04	110
401430235	2013	8	7	11	V	1.6	0	3.18	86
401430235	2013	8	7	12	V	2.3	0	3.68	110
401430235	2013	8	7	13	V	2.4	0	4.48	106
401430235	2013	8	7	14	V	3.1	0	4.83	113
401430235	2013	8	7	15	V	2.0	0	4.22	131
401430235	2013	8	7	16	V	2.6	0	3.47	152
401430235	2013	8	7	17	V	2.2	0	3.25	128
401430235	2013	8	7	18	V	5.8	0	2.95	94
401430235	2013	8	7	19	V	1.8	0	4.05	49
401430235	2013	8	7	20	V	1.9	0	4.82	26
401430235	2013	8	7	21	V	4.0	0	5.38	43
401430235	2013	8	7	22	V	2.0	0	5.17	47
401430235	2013	8	7	23	V	2.8	0	4.37	45
401430235	2013	8	7	24	V	3.3	0	3	46
401430235	2013	8	8	1	V	9.4	0	1.18	37
401430235	2013	8	8	2	V	2.7	0	3.29	199
401430235	2013	8	8	3	V	4.5	0	3.34	226
401430235	2013	8	8	4	V	6.5	0	2.11	332
401430235	2013	8	8	5	V	0.7	0	3.9	360
401430235	2013	8	8	6	V	8.4	0	3.39	19
401430235	2013	8	8	7	V	1.7	0	3.22	31
401430235	2013	8	8	8	V	3.4	0	3.37	48
401430235	2013	8	8	9	V	1.4	0	3.88	95
401430235	2013	8	8	10	V	1.0	0	3.95	116
401430235	2013	8	8	11	V	1.6	0	3.1	142
401430235	2013	8	8	12	V	2.3	0	3.4	151
401430235	2013	8	8	13	C	-999	0	0	0
401430235	2013	8	8	14	V	3.3	0	2.13	156
401430235	2013	8	8	15	V	2.3	0	2.01	151
401430235	2013	8	8	16	V	3.1	0	1.04	172
401430235	2013	8	8	17	V	2.4	0	2.21	60
401430235	2013	8	8	18	V	6.1	0	3.54	29
401430235	2013	8	8	19	V	1.6	0	3.49	53
401430235	2013	8	8	20	V	1.9	0	2.64	80
401430235	2013	8	8	21	V	1.4	0	2.96	68
401430235	2013	8	8	22	V	1.0	0	3.59	77
401430235	2013	8	8	23	V	0.7	0	3.78	54
401430235	2013	8	8	24	V	2.2	0	3.59	65

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	9	1	V	5.5	0	2.98	76
401430235	2013	8	9	2	V	2.8	0	3.93	208
401430235	2013	8	9	3	V	4.3	0	2.89	176
401430235	2013	8	9	4	V	0.8	0	2.61	180
401430235	2013	8	9	5	V	0.7	0	1.74	201
401430235	2013	8	9	6	V	8.4	0	3.64	183
401430235	2013	8	9	7	V	1.1	0	1.82	174
401430235	2013	8	9	8	V	1.5	0	2.84	185
401430235	2013	8	9	9	V	1.5	0	3	198
401430235	2013	8	9	10	V	1.3	-999	1.65	237
401430235	2013	8	9	11	V	1.8	-999	1.99	18
401430235	2013	8	9	12	V	2.5	0	2.71	26
401430235	2013	8	9	13	V	2.5	0	2.03	11
401430235	2013	8	9	14	V	3.2	0	1.99	16
401430235	2013	8	9	15	V	2.1	0	2.38	13
401430235	2013	8	9	16	V	3.0	0	2.28	351
401430235	2013	8	9	17	V	2.2	0	3.9	10
401430235	2013	8	9	18	V	5.8	0	3.97	20
401430235	2013	8	9	19	V	1.5	0	2.89	20
401430235	2013	8	9	20	V	1.9	0	2.13	4
401430235	2013	8	9	21	V	1.4	0	3.27	12
401430235	2013	8	9	22	V	1.0	0	4	17
401430235	2013	8	9	23	V	0.7	0	3.64	11
401430235	2013	8	9	24	V	2.2	0	2.78	4
401430235	2013	8	10	1	V	5.6	0	2.52	1
401430235	2013	8	10	2	V	2.7	0	2.54	4
401430235	2013	8	10	3	V	4.4	0	2.55	4
401430235	2013	8	10	4	V	0.8	0	2.79	3
401430235	2013	8	10	5	V	0.6	0	2.13	353
401430235	2013	8	10	6	V	8.4	0	2.52	5
401430235	2013	8	10	7	V	0.9	0	3.07	18
401430235	2013	8	10	8	V	1.2	0	3.3	18
401430235	2013	8	10	9	V	1.4	0	3.61	27
401430235	2013	8	10	10	V	1.0	0	3.78	26
401430235	2013	8	10	11	V	1.6	0	4.22	27
401430235	2013	8	10	12	V	2.3	0	3.49	20
401430235	2013	8	10	13	V	2.5	0	3	8
401430235	2013	8	10	14	V	3.1	0	3.05	8
401430235	2013	8	10	15	V	2.2	0	2.59	21
401430235	2013	8	10	16	V	2.6	0	2.91	12
401430235	2013	8	10	17	V	2.2	0	3.37	13
401430235	2013	8	10	18	V	5.8	0	3.3	14
401430235	2013	8	10	19	V	1.5	0	3.22	25
401430235	2013	8	10	20	V	1.9	0	3.08	25
401430235	2013	8	10	21	V	1.4	0	1.59	14
401430235	2013	8	10	22	V	1.0	0	2.05	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	10	23	V	4.9	0	2.89	42
401430235	2013	8	10	24	V	3.2	0	2.47	35
401430235	2013	8	11	1	V	9.2	0	1.76	37
401430235	2013	8	11	2	V	2.7	0	1.93	57
401430235	2013	8	11	3	V	4.4	0	1.18	6
401430235	2013	8	11	4	V	1.6	0	0.72	351
401430235	2013	8	11	5	V	0.7	0	1.96	13
401430235	2013	8	11	6	V	8.4	0	1.37	58
401430235	2013	8	11	7	V	0.9	0	1.94	105
401430235	2013	8	11	8	V	1.4	0	1.55	101
401430235	2013	8	11	9	V	2.3	0	0.96	200
401430235	2013	8	11	10	V	5.6	0	1.42	301
401430235	2013	8	11	11	V	4.1	0	1.81	306
401430235	2013	8	11	12	V	3.9	0	1.79	331
401430235	2013	8	11	13	V	3.6	0	1.39	338
401430235	2013	8	11	14	V	3.3	0	1.76	114
401430235	2013	8	11	15	C	-999	0	0	0
401430235	2013	8	11	16	V	3.2	0	0.9	337
401430235	2013	8	11	17	V	3.1	0	0.99	297
401430235	2013	8	11	18	V	6.0	0	1.33	249
401430235	2013	8	11	19	V	1.7	0	0.7	242
401430235	2013	8	11	20	V	1.9	0	1.47	127
401430235	2013	8	11	21	C	-999	0	0	0
401430235	2013	8	11	22	C	-999	0	0	0
401430235	2013	8	11	23	V	1.0	0	0.82	243
401430235	2013	8	11	24	V	2.6	0	0.74	250
401430235	2013	8	12	1	V	6.0	0	0.92	215
401430235	2013	8	12	2	V	2.9	0	0.79	246
401430235	2013	8	12	3	V	4.6	0	0.8	246
401430235	2013	8	12	4	V	12.9	0	0.69	310
401430235	2013	8	12	5	V	1.0	0	0.72	250
401430235	2013	8	12	6	V	10.3	0	0.53	352
401430235	2013	8	12	7	V	1.6	0	0.67	94
401430235	2013	8	12	8	V	5.7	0	1.28	336
401430235	2013	8	12	9	V	3.0	0	1.77	31
401430235	2013	8	12	10	V	4.6	0	2.96	37
401430235	2013	8	12	11	V	2.3	0	3.63	30
401430235	2013	8	12	12	V	2.2	0	4.88	21
401430235	2013	8	12	13	V	3.2	0	3.44	50
401430235	2013	8	12	14	V	3.1	0	2.95	92
401430235	2013	8	12	15	V	2.1	0	2.44	99
401430235	2013	8	12	16	V	2.8	0	1.76	179
401430235	2013	8	12	17	V	2.4	0	2.15	189
401430235	2013	8	12	18	V	6.1	0	1.33	169
401430235	2013	8	12	19	V	1.5	0	2.52	139
401430235	2013	8	12	20	V	1.9	0	1.55	107

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	12	21	V	1.6	0	0.89	105
401430235	2013	8	12	22	V	1.1	0	1.09	93
401430235	2013	8	12	23	V	0.7	0	2.52	116
401430235	2013	8	12	24	V	2.2	0	2.04	133
401430235	2013	8	13	1	V	5.6	0	2.72	250
401430235	2013	8	13	2	C	-999	0	0	0
401430235	2013	8	13	3	C	-999	0	0	0
401430235	2013	8	13	4	M	-999	0	2.36	999
401430235	2013	8	13	5	V	0.7	0	1.76	129
401430235	2013	8	13	6	C	-999	0	0	0
401430235	2013	8	13	7	C	-999	0	0	0
401430235	2013	8	13	8	V	1.8	-999	1.11	172
401430235	2013	8	13	9	V	1.6	-999	1.65	185
401430235	2013	8	13	10	V	1.4	0	0.86	249
401430235	2013	8	13	11	V	2.4	0	1.04	60
401430235	2013	8	13	12	V	2.5	0	1.5	173
401430235	2013	8	13	13	V	2.7	0	1.79	180
401430235	2013	8	13	14	V	3.2	0	2.98	286
401430235	2013	8	13	15	V	2.2	0	5.89	31
401430235	2013	8	13	16	V	2.5	0	5.41	66
401430235	2013	8	13	17	V	2.2	0	4.65	75
401430235	2013	8	13	18	V	5.8	0	3.76	59
401430235	2013	8	13	19	V	1.6	0	2.81	53
401430235	2013	8	13	20	V	3.2	0	1.53	34
401430235	2013	8	13	21	V	6.2	0	0.57	296
401430235	2013	8	13	22	V	1.4	0	0.67	256
401430235	2013	8	13	23	V	10.5	0	1.6	326
401430235	2013	8	13	24	V	2.2	0	3.37	18
401430235	2013	8	14	1	V	5.6	0	2.69	25
401430235	2013	8	14	2	V	2.7	0	1.98	11
401430235	2013	8	14	3	V	4.4	0	2.03	7
401430235	2013	8	14	4	V	0.7	0	2.21	17
401430235	2013	8	14	5	V	0.7	0	2.04	22
401430235	2013	8	14	6	V	8.4	0	2.73	24
401430235	2013	8	14	7	V	3.1	0	2.79	35
401430235	2013	8	14	8	V	1.4	0	2.91	62
401430235	2013	8	14	9	V	1.5	0	2.32	85
401430235	2013	8	14	10	V	1.1	0	2.55	104
401430235	2013	8	14	11	V	1.6	0	2.83	128
401430235	2013	8	14	12	V	2.4	0	2.23	116
401430235	2013	8	14	13	V	2.5	0	2.5	100
401430235	2013	8	14	14	V	3.2	0	2.4	94
401430235	2013	8	14	15	V	2.1	0	2.73	84
401430235	2013	8	14	16	V	2.6	0	3.18	61
401430235	2013	8	14	17	V	2.2	0	4.17	67
401430235	2013	8	14	18	V	5.8	0	4.22	60

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	14	19	V	1.6	0	3.59	65
401430235	2013	8	14	20	V	1.9	0	2.54	77
401430235	2013	8	14	21	V	1.4	0	2.52	71
401430235	2013	8	14	22	V	1.0	0	2.08	87
401430235	2013	8	14	23	V	0.7	0	2.05	79
401430235	2013	8	14	24	V	2.2	0	2.49	98
401430235	2013	8	15	1	V	5.5	0	2.42	101
401430235	2013	8	15	2	V	2.7	0	1.69	97
401430235	2013	8	15	3	V	4.6	0	0.89	88
401430235	2013	8	15	4	V	1.8	0	0.6	46
401430235	2013	8	15	5	V	0.7	0	1.4	103
401430235	2013	8	15	6	V	8.4	0	1.84	114
401430235	2013	8	15	7	V	0.9	0	2.18	126
401430235	2013	8	15	8	V	1.3	0	2.96	150
401430235	2013	8	15	9	V	1.4	0	3.59	156
401430235	2013	8	15	10	V	1.1	0	3.47	169
401430235	2013	8	15	11	V	1.7	0	3.13	160
401430235	2013	8	15	12	V	2.4	0	2.54	153
401430235	2013	8	15	13	V	2.7	0	2.1	184
401430235	2013	8	15	14	V	3.3	0	2.11	168
401430235	2013	8	15	15	V	2.1	0	2.88	141
401430235	2013	8	15	16	V	2.7	0	2.11	155
401430235	2013	8	15	17	V	2.2	0	3.71	145
401430235	2013	8	15	18	V	5.9	0	3.68	153
401430235	2013	8	15	19	V	1.6	0	3.3	154
401430235	2013	8	15	20	V	1.9	0	2.62	136
401430235	2013	8	15	21	V	1.5	0	1.72	170
401430235	2013	8	15	22	V	1.0	0	2.04	174
401430235	2013	8	15	23	V	5.1	0	3.86	335
401430235	2013	8	15	24	V	2.3	0	2.88	170
401430235	2013	8	16	1	V	5.6	0	5.02	196
401430235	2013	8	16	2	V	2.6	0	2.25	75
401430235	2013	8	16	3	V	5.6	0	1.01	344
401430235	2013	8	16	4	V	5.3	0	0.89	339
401430235	2013	8	16	5	V	1.4	0	0.69	282
401430235	2013	8	16	6	C	-999	0	0	0
401430235	2013	8	16	7	V	12.0	0	1.13	327
401430235	2013	8	16	8	V	1.3	0	3.12	112
401430235	2013	8	16	9	V	1.4	0	3.17	145
401430235	2013	8	16	10	V	1.3	0	2.01	166
401430235	2013	8	16	11	V	1.9	0	1.96	157
401430235	2013	8	16	12	V	2.9	0	1.25	214
401430235	2013	8	16	13	V	2.5	0	1.99	132
401430235	2013	8	16	14	V	3.2	0	1.82	105
401430235	2013	8	16	15	V	2.2	0	2.49	143
401430235	2013	8	16	16	V	2.6	0	2.13	87

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	16	17	V	2.2	0	2.86	89
401430235	2013	8	16	18	V	5.8	0	3.29	63
401430235	2013	8	16	19	V	1.6	0	3.29	58
401430235	2013	8	16	20	V	3.1	0	1.93	47
401430235	2013	8	16	21	V	2.2	0	1.57	48
401430235	2013	8	16	22	V	1.0	0	1.6	58
401430235	2013	8	16	23	V	0.7	0	2.62	77
401430235	2013	8	16	24	V	2.2	0	2.4	79
401430235	2013	8	17	1	V	5.5	0	2.28	89
401430235	2013	8	17	2	V	2.7	0	1.84	102
401430235	2013	8	17	3	V	4.4	0	1.3	77
401430235	2013	8	17	4	V	1.0	0	0.79	15
401430235	2013	8	17	5	V	8.2	0	0.62	335
401430235	2013	8	17	6	V	8.7	0	0.8	356
401430235	2013	8	17	7	V	0.9	0	1.79	26
401430235	2013	8	17	8	V	3.4	0	2.18	41
401430235	2013	8	17	9	V	3.3	0	1.81	35
401430235	2013	8	17	10	V	2.6	0	2.21	32
401430235	2013	8	17	11	V	2.0	0	2.86	26
401430235	2013	8	17	12	V	2.3	1	3.18	20
401430235	2013	8	17	13	V	3.1	1	3.74	30
401430235	2013	8	17	14	V	4.8	1	3.44	44
401430235	2013	8	17	15	V	2.1	1	3.97	66
401430235	2013	8	17	16	V	2.5	0	3.83	76
401430235	2013	8	17	17	V	2.2	0	3.88	69
401430235	2013	8	17	18	V	6.0	0	2.93	55
401430235	2013	8	17	19	V	1.6	0	2.42	83
401430235	2013	8	17	20	V	5.5	0	1.25	45
401430235	2013	8	17	21	V	1.6	0	0.96	21
401430235	2013	8	17	22	V	1.2	0	0.99	17
401430235	2013	8	17	23	V	1.0	0	0.92	352
401430235	2013	8	17	24	V	2.3	0	1.13	357
401430235	2013	8	18	1	V	7.1	0	0.84	345
401430235	2013	8	18	2	V	13.6	0	0.6	329
401430235	2013	8	18	3	V	4.5	0	1.14	7
401430235	2013	8	18	4	V	0.8	0	1.14	7
401430235	2013	8	18	5	V	2.2	0	0.55	283
401430235	2013	8	18	6	C	-999	0	0	0
401430235	2013	8	18	7	V	2.2	0	0.69	348
401430235	2013	8	18	8	V	2.5	0	0.82	77
401430235	2013	8	18	9	V	1.6	0	1.84	137
401430235	2013	8	18	10	V	1.4	0	1.48	160
401430235	2013	8	18	11	V	1.7	0	2.44	138
401430235	2013	8	18	12	V	2.4	0	2.28	152
401430235	2013	8	18	13	V	2.6	0	2.47	153
401430235	2013	8	18	14	V	3.2	0	2.79	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	18	15	V	2.1	0	2.93	151
401430235	2013	8	18	16	V	2.6	0	3.05	157
401430235	2013	8	18	17	V	2.3	0	2.95	156
401430235	2013	8	18	18	V	6.0	0	2.98	183
401430235	2013	8	18	19	V	1.6	0	2.32	175
401430235	2013	8	18	20	V	2.3	0	0.57	268
401430235	2013	8	18	21	C	-999	0	0	0
401430235	2013	8	18	22	V	2.0	0	0.65	283
401430235	2013	8	18	23	V	2.6	0	0.55	285
401430235	2013	8	18	24	V	3.0	0	0.62	279
401430235	2013	8	19	1	C	-999	0	0	0
401430235	2013	8	19	2	V	2.9	0	0.84	257
401430235	2013	8	19	3	V	5.4	0	0.52	245
401430235	2013	8	19	4	V	1.4	0	0.58	265
401430235	2013	8	19	5	V	1.3	0	0.58	245
401430235	2013	8	19	6	V	8.6	0	0.86	255
401430235	2013	8	19	7	V	1.4	0	0.75	240
401430235	2013	8	19	8	V	1.5	0	2.52	166
401430235	2013	8	19	9	V	1.5	0	3.17	169
401430235	2013	8	19	10	V	1.1	0	3.56	164
401430235	2013	8	19	11	V	1.7	0	4.49	166
401430235	2013	8	19	12	V	2.4	0	4.31	165
401430235	2013	8	19	13	V	2.6	-999	3.8	172
401430235	2013	8	19	14	V	3.2	0	3.4	171
401430235	2013	8	19	15	V	2.2	0	3.13	172
401430235	2013	8	19	16	V	2.6	0	3.05	160
401430235	2013	8	19	17	V	2.3	0	2.86	167
401430235	2013	8	19	18	V	6.0	0	2.66	176
401430235	2013	8	19	19	V	1.7	0	2.16	183
401430235	2013	8	19	20	V	2.2	0	1.28	190
401430235	2013	8	19	21	V	2.1	0	0.58	256
401430235	2013	8	19	22	V	1.2	0	0.89	109
401430235	2013	8	19	23	C	-999	0	0	0
401430235	2013	8	19	24	V	11.8	0	0.72	306
401430235	2013	8	20	1	V	5.8	0	0.84	245
401430235	2013	8	20	2	V	3.3	0	0.69	281
401430235	2013	8	20	3	V	5.9	0	0.52	280
401430235	2013	8	20	4	V	1.5	0	0.57	259
401430235	2013	8	20	5	V	1.1	0	0.67	233
401430235	2013	8	20	6	V	8.5	0	0.94	248
401430235	2013	8	20	7	V	1.3	0	1.25	216
401430235	2013	8	20	8	V	1.5	0	2.37	177
401430235	2013	8	20	9	V	1.6	0	3.22	177
401430235	2013	8	20	10	V	1.1	0	3.47	167
401430235	2013	8	20	11	V	1.7	0	3.46	174
401430235	2013	8	20	12	V	2.4	0	3.17	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	20	13	V	2.5	0	3.25	156
401430235	2013	8	20	14	V	3.2	0	2.91	171
401430235	2013	8	20	15	V	2.2	0	3.05	160
401430235	2013	8	20	16	V	2.6	0	3.42	165
401430235	2013	8	20	17	V	2.2	0	3.54	152
401430235	2013	8	20	18	V	5.9	0	3.59	154
401430235	2013	8	20	19	V	1.6	0	2.54	157
401430235	2013	8	20	20	V	1.9	0	2.28	140
401430235	2013	8	20	21	V	1.4	0	2.35	139
401430235	2013	8	20	22	V	1.1	0	1.3	136
401430235	2013	8	20	23	V	2.0	0	0.58	181
401430235	2013	8	20	24	V	2.6	0	0.72	245
401430235	2013	8	21	1	V	5.9	0	0.7	261
401430235	2013	8	21	2	V	3.1	0	0.69	276
401430235	2013	8	21	3	C	-999	0	0	0
401430235	2013	8	21	4	C	-999	0	0	0
401430235	2013	8	21	5	V	1.5	0	0.55	225
401430235	2013	8	21	6	V	9.0	0	0.57	235
401430235	2013	8	21	7	V	1.3	0	1.03	177
401430235	2013	8	21	8	V	1.5	0	2.39	181
401430235	2013	8	21	9	V	1.5	0	3.37	179
401430235	2013	8	21	10	V	1.1	0	3.42	181
401430235	2013	8	21	11	V	1.7	0	3.64	189
401430235	2013	8	21	12	V	2.4	0	3.34	189
401430235	2013	8	21	13	V	2.6	0	3.18	205
401430235	2013	8	21	14	V	3.2	0	3.81	189
401430235	2013	8	21	15	V	2.2	0	4.15	185
401430235	2013	8	21	16	V	2.6	0	3.64	190
401430235	2013	8	21	17	V	2.3	0	3.2	199
401430235	2013	8	21	18	V	6.0	0	2.69	176
401430235	2013	8	21	19	V	1.7	0	1.99	169
401430235	2013	8	21	20	V	2.0	0	1.35	156
401430235	2013	8	21	21	V	1.9	0	0.77	212
401430235	2013	8	21	22	V	1.3	0	0.8	242
401430235	2013	8	21	23	V	0.8	0	1.57	181
401430235	2013	8	21	24	V	2.7	0	0.79	211
401430235	2013	8	22	1	V	6.4	0	0.72	192
401430235	2013	8	22	2	V	3.5	0	0.67	199
401430235	2013	8	22	3	V	4.7	0	0.74	245
401430235	2013	8	22	4	V	1.0	0	0.82	241
401430235	2013	8	22	5	V	1.0	0	0.89	211
401430235	2013	8	22	6	V	8.7	0	0.94	206
401430235	2013	8	22	7	V	1.2	0	1.08	183
401430235	2013	8	22	8	V	1.6	0	2.1	178
401430235	2013	8	22	9	V	1.6	0	2.57	184
401430235	2013	8	22	10	V	1.1	0	3.83	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	22	11	V	1.7	0	3.85	193
401430235	2013	8	22	12	V	2.4	0	2.73	197
401430235	2013	8	22	13	V	2.6	0	2.25	187
401430235	2013	8	22	14	V	3.2	0	2.66	174
401430235	2013	8	22	15	V	2.2	0	2.93	179
401430235	2013	8	22	16	V	2.6	0	3.25	133
401430235	2013	8	22	17	V	2.2	0	2.88	132
401430235	2013	8	22	18	V	5.8	0	3.03	145
401430235	2013	8	22	19	V	1.6	0	2.37	127
401430235	2013	8	22	20	V	2.0	0	1.31	100
401430235	2013	8	22	21	V	1.4	0	1.62	112
401430235	2013	8	22	22	V	1.0	0	1.7	135
401430235	2013	8	22	23	V	1.1	0	0.99	201
401430235	2013	8	22	24	V	2.6	0	1.06	184
401430235	2013	8	23	1	V	5.8	0	1.35	176
401430235	2013	8	23	2	V	3.1	0	0.84	208
401430235	2013	8	23	3	V	4.6	0	0.84	273
401430235	2013	8	23	4	V	1.0	0	1.23	209
401430235	2013	8	23	5	V	1.1	0	0.97	198
401430235	2013	8	23	6	V	8.7	0	0.79	224
401430235	2013	8	23	7	V	1.3	0	0.86	158
401430235	2013	8	23	8	V	1.6	0	1.59	141
401430235	2013	8	23	9	V	1.6	0	2.61	166
401430235	2013	8	23	10	V	1.1	0	2.69	158
401430235	2013	8	23	11	V	1.7	0	2.52	121
401430235	2013	8	23	12	V	2.4	0	1.57	253
401430235	2013	8	23	13	V	2.7	0	2.08	177
401430235	2013	8	23	14	V	3.2	0	2.59	151
401430235	2013	8	23	15	V	2.4	0	1.45	111
401430235	2013	8	23	16	V	2.6	0	3.05	135
401430235	2013	8	23	17	V	2.2	0	2.95	150
401430235	2013	8	23	18	V	5.8	0	4.29	128
401430235	2013	8	23	19	V	1.6	0	3.08	133
401430235	2013	8	23	20	V	1.9	0	1.79	138
401430235	2013	8	23	21	V	1.4	0	1.77	121
401430235	2013	8	23	22	C	-999	0	0	0
401430235	2013	8	23	23	V	1.1	0	0.84	56
401430235	2013	8	23	24	V	2.7	0	0.86	216
401430235	2013	8	24	1	V	6.1	0	0.62	255
401430235	2013	8	24	2	C	-999	0	0	0
401430235	2013	8	24	3	V	5.5	0	0.52	271
401430235	2013	8	24	4	C	-999	0	0	0
401430235	2013	8	24	5	C	-999	0	0	0
401430235	2013	8	24	6	C	-999	0	0	0
401430235	2013	8	24	7	C	-999	0	0	0
401430235	2013	8	24	8	V	1.5	0	1.82	144

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	24	9	V	1.5	0	2.84	144
401430235	2013	8	24	10	V	1.0	0	3.63	153
401430235	2013	8	24	11	V	1.7	0	4.14	173
401430235	2013	8	24	12	V	2.4	0	3.86	167
401430235	2013	8	24	13	V	2.6	0	3.18	163
401430235	2013	8	24	14	V	3.1	0	3.32	143
401430235	2013	8	24	15	V	2.1	0	3.46	133
401430235	2013	8	24	16	V	2.5	0	3.91	124
401430235	2013	8	24	17	V	2.2	0	4.02	135
401430235	2013	8	24	18	V	5.8	0	3.98	135
401430235	2013	8	24	19	V	1.6	0	3.07	130
401430235	2013	8	24	20	V	1.9	0	2.33	114
401430235	2013	8	24	21	V	1.4	0	1.93	137
401430235	2013	8	24	22	V	1.1	0	1.37	145
401430235	2013	8	24	23	V	1.0	0	0.96	141
401430235	2013	8	24	24	V	2.5	0	0.96	138
401430235	2013	8	25	1	V	5.7	0	1.23	153
401430235	2013	8	25	2	V	3.0	0	0.79	111
401430235	2013	8	25	3	V	5.1	0	0.57	246
401430235	2013	8	25	4	V	1.3	0	0.94	165
401430235	2013	8	25	5	V	1.3	0	0.69	218
401430235	2013	8	25	6	C	-999	0	0	0
401430235	2013	8	25	7	V	1.4	0	0.62	226
401430235	2013	8	25	8	V	1.5	0	2.16	155
401430235	2013	8	25	9	V	1.5	0	3.22	168
401430235	2013	8	25	10	V	1.1	0	3.34	171
401430235	2013	8	25	11	V	1.7	0	2.93	163
401430235	2013	8	25	12	V	2.4	0	3.05	170
401430235	2013	8	25	13	V	2.5	0	3.12	157
401430235	2013	8	25	14	V	3.2	0	3.4	163
401430235	2013	8	25	15	V	2.2	0	3.61	167
401430235	2013	8	25	16	V	2.6	0	3.98	163
401430235	2013	8	25	17	V	2.3	0	3.56	180
401430235	2013	8	25	18	V	6.0	0	3.22	176
401430235	2013	8	25	19	V	1.6	0	2.5	161
401430235	2013	8	25	20	V	1.9	0	1.65	156
401430235	2013	8	25	21	V	1.5	0	1.13	138
401430235	2013	8	25	22	V	1.0	0	1.81	136
401430235	2013	8	25	23	V	0.7	0	1.76	146
401430235	2013	8	25	24	V	2.2	0	1.86	156
401430235	2013	8	26	1	V	5.6	0	2.5	170
401430235	2013	8	26	2	V	2.7	0	2.13	164
401430235	2013	8	26	3	V	4.4	0	1.54	149
401430235	2013	8	26	4	V	1.2	0	0.96	161
401430235	2013	8	26	5	V	1.0	0	1.38	168
401430235	2013	8	26	6	V	8.7	0	1.28	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	26	7	V	1.1	0	1.45	191
401430235	2013	8	26	8	V	1.5	0	2.73	173
401430235	2013	8	26	9	V	1.5	0	3.35	185
401430235	2013	8	26	10	V	1.1	0	3.9	195
401430235	2013	8	26	11	V	1.7	0	4.37	193
401430235	2013	8	26	12	V	2.4	-999	4.14	190
401430235	2013	8	26	13	V	2.6	0	3.76	178
401430235	2013	8	26	14	V	3.2	0	3.95	178
401430235	2013	8	26	15	V	2.2	0	4.05	171
401430235	2013	8	26	16	V	2.6	0	4.29	169
401430235	2013	8	26	17	V	2.3	0	4.02	168
401430235	2013	8	26	18	V	5.9	0	3.75	170
401430235	2013	8	26	19	V	1.6	0	2.5	175
401430235	2013	8	26	20	C	-999	0	0	0
401430235	2013	8	26	21	C	-999	0	0	0
401430235	2013	8	26	22	C	-999	0	0	0
401430235	2013	8	26	23	V	1.5	0	0.67	205
401430235	2013	8	26	24	V	2.5	0	1.08	210
401430235	2013	8	27	1	V	5.7	0	1.35	207
401430235	2013	8	27	2	V	3.2	0	0.69	211
401430235	2013	8	27	3	C	-999	0	0	0
401430235	2013	8	27	4	V	1.2	0	0.87	217
401430235	2013	8	27	5	V	1.2	0	0.8	218
401430235	2013	8	27	6	V	8.6	0	0.89	241
401430235	2013	8	27	7	V	1.1	0	1.31	181
401430235	2013	8	27	8	V	1.6	0	2.01	187
401430235	2013	8	27	9	V	1.5	0	3.25	184
401430235	2013	8	27	10	V	1.1	0	4.56	190
401430235	2013	8	27	11	V	1.7	0	4.42	178
401430235	2013	8	27	12	V	2.4	0	4.88	181
401430235	2013	8	27	13	V	2.6	0	4.46	181
401430235	2013	8	27	14	V	3.2	0	5.36	185
401430235	2013	8	27	15	V	2.2	0	4.56	189
401430235	2013	8	27	16	V	2.6	0	4.93	192
401430235	2013	8	27	17	V	2.3	0	4.75	195
401430235	2013	8	27	18	V	5.9	0	4.05	203
401430235	2013	8	27	19	V	2.0	0	2.72	217
401430235	2013	8	27	20	V	2.4	0	1.23	215
401430235	2013	8	27	21	V	1.6	0	0.92	225
401430235	2013	8	27	22	V	1.6	0	0.6	253
401430235	2013	8	27	23	C	-999	0	0	0
401430235	2013	8	27	24	V	2.7	0	0.65	250
401430235	2013	8	28	1	V	6.0	0	0.7	270
401430235	2013	8	28	2	V	2.9	0	0.92	224
401430235	2013	8	28	3	V	4.7	0	0.77	242
401430235	2013	8	28	4	V	1.2	0	0.92	220

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	28	5	V	1.6	0	0.55	214
401430235	2013	8	28	6	V	8.5	0	0.92	247
401430235	2013	8	28	7	V	1.0	0	1.16	202
401430235	2013	8	28	8	V	1.6	0	1.89	202
401430235	2013	8	28	9	V	1.7	0	2.4	217
401430235	2013	8	28	10	V	1.1	0	3.01	206
401430235	2013	8	28	11	V	1.7	0	3.64	192
401430235	2013	8	28	12	V	2.4	0	4.65	189
401430235	2013	8	28	13	V	2.6	0	6.19	187
401430235	2013	8	28	14	V	3.2	0	5.09	199
401430235	2013	8	28	15	V	2.1	0	4.54	201
401430235	2013	8	28	16	V	2.6	0	3.74	219
401430235	2013	8	28	17	V	2.2	0	3.44	221
401430235	2013	8	28	18	V	5.9	0	2.95	218
401430235	2013	8	28	19	V	1.6	0	2.3	206
401430235	2013	8	28	20	V	2.0	0	1.2	207
401430235	2013	8	28	21	V	1.9	0	1.04	215
401430235	2013	8	28	22	V	1.4	0	0.67	239
401430235	2013	8	28	23	V	1.5	0	0.57	226
401430235	2013	8	28	24	C	-999	0	0	0
401430235	2013	8	29	1	V	5.8	0	0.84	227
401430235	2013	8	29	2	V	2.8	0	1.35	207
401430235	2013	8	29	3	V	4.4	0	2.03	186
401430235	2013	8	29	4	V	0.8	0	1.72	175
401430235	2013	8	29	5	V	1.2	0	0.75	216
401430235	2013	8	29	6	V	8.7	0	0.72	228
401430235	2013	8	29	7	V	1.3	0	0.65	237
401430235	2013	8	29	8	V	1.6	0	1.91	186
401430235	2013	8	29	9	V	1.6	0	2.33	193
401430235	2013	8	29	10	V	1.2	0	2.69	181
401430235	2013	8	29	11	V	1.8	0	2.52	186
401430235	2013	8	29	12	V	2.3	0	2.96	232
401430235	2013	8	29	13	V	2.5	0	2.84	244
401430235	2013	8	29	14	V	3.1	0	3.44	221
401430235	2013	8	29	15	V	2.1	0	2.93	217
401430235	2013	8	29	16	V	2.6	0	2.52	221
401430235	2013	8	29	17	V	2.3	0	2.37	209
401430235	2013	8	29	18	V	5.9	0	2.5	198
401430235	2013	8	29	19	V	1.6	0	1.48	204
401430235	2013	8	29	20	V	2.2	0	0.79	227
401430235	2013	8	29	21	V	2.0	0	0.6	253
401430235	2013	8	29	22	C	-999	0	0	0
401430235	2013	8	29	23	V	1.2	0	0.67	259
401430235	2013	8	29	24	V	2.9	0	0.58	237
401430235	2013	8	30	1	V	6.3	0	0.57	261
401430235	2013	8	30	2	V	3.2	0	0.74	281

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	8	30	3	C	-999	0	0	0
401430235	2013	8	30	4	V	1.1	0	0.74	275
401430235	2013	8	30	5	V	1.6	0	0.53	262
401430235	2013	8	30	6	V	9.7	0	0.67	286
401430235	2013	8	30	7	V	1.3	0	0.94	214
401430235	2013	8	30	8	V	1.4	0	2.52	194
401430235	2013	8	30	9	V	1.5	0	2.78	198
401430235	2013	8	30	10	V	1.1	0	3.49	187
401430235	2013	8	30	11	V	1.7	0	4.02	212
401430235	2013	8	30	12	V	2.3	0	3.52	218
401430235	2013	8	30	13	V	2.5	0	3.18	223
401430235	2013	8	30	14	V	3.2	0	3.93	209
401430235	2013	8	30	15	V	2.1	0	3.2	224
401430235	2013	8	30	16	V	2.6	0	3.58	208
401430235	2013	8	30	17	V	2.3	0	3.51	204
401430235	2013	8	30	18	V	5.9	0	4.03	190
401430235	2013	8	30	19	V	1.6	0	2.62	182
401430235	2013	8	30	20	V	2.0	0	1.4	201
401430235	2013	8	30	21	V	1.7	0	1.28	211
401430235	2013	8	30	22	V	1.3	0	1.3	193
401430235	2013	8	30	23	V	1.1	0	1.14	164
401430235	2013	8	30	24	V	2.7	0	0.72	104
401430235	2013	8	31	1	C	-999	0	0	0
401430235	2013	8	31	2	V	3.1	0	0.7	229
401430235	2013	8	31	3	V	4.9	0	0.62	252
401430235	2013	8	31	4	V	1.5	0	0.63	220
401430235	2013	8	31	5	V	1.1	0	0.86	217
401430235	2013	8	31	6	C	-999	0	0	0
401430235	2013	8	31	7	V	1.2	0	1.01	160
401430235	2013	8	31	8	V	1.4	0	2.67	186
401430235	2013	8	31	9	V	1.5	0	3.42	190
401430235	2013	8	31	10	V	1.1	0	3.49	188
401430235	2013	8	31	11	V	1.7	0	3.15	215
401430235	2013	8	31	12	V	2.4	0	2.59	219
401430235	2013	8	31	13	V	2.6	0	2.54	215
401430235	2013	8	31	14	V	3.2	0	3.44	193
401430235	2013	8	31	15	V	2.2	0	4.58	187
401430235	2013	8	31	16	V	2.6	0	4.27	184
401430235	2013	8	31	17	V	2.3	0	3.78	190
401430235	2013	8	31	18	V	5.9	0	3.34	193
401430235	2013	8	31	19	V	1.6	0	2.04	191
401430235	2013	8	31	20	V	2.1	0	1.18	201
401430235	2013	8	31	21	V	1.5	0	1.3	207
401430235	2013	8	31	22	V	1.0	0	1.94	179
401430235	2013	8	31	23	V	1.8	0	0.53	213
401430235	2013	8	31	24	V	2.5	0	0.8	237

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	1	1	V	1.8	0	0.94	216
401430235	2013	9	1	2	V	2.6	0	0.55	216
401430235	2013	9	1	3	V	1.3	0	1.04	205
401430235	2013	9	1	4	V	2.0	0	1.06	190
401430235	2013	9	1	5	V	2.0	0	1.37	186
401430235	2013	9	1	6	V	2.1	0	0.77	202
401430235	2013	9	1	7	V	1.8	0	0.91	101
401430235	2013	9	1	8	V	4.2	0	0.94	248
401430235	2013	9	1	9	V	1.9	0	1.91	229
401430235	2013	9	1	10	V	2.1	0	1.67	277
401430235	2013	9	1	11	V	3.9	0	3.05	332
401430235	2013	9	1	12	V	2.9	0	4.05	357
401430235	2013	9	1	13	V	5.3	0	4.19	12
401430235	2013	9	1	14	V	3.2	0	2.83	5
401430235	2013	9	1	15	V	2.6	0	2.28	1
401430235	2013	9	1	16	V	3.1	0	1.74	357
401430235	2013	9	1	17	V	4.6	0	1.67	339
401430235	2013	9	1	18	V	5.5	0	1.72	325
401430235	2013	9	1	19	V	9.9	0	1.54	332
401430235	2013	9	1	20	V	2.6	0	1.67	354
401430235	2013	9	1	21	V	2.1	0	3.97	24
401430235	2013	9	1	22	V	2.3	0	3.6	57
401430235	2013	9	1	23	V	2.4	0	1.76	22
401430235	2013	9	1	24	V	2.0	0	1.59	1
401430235	2013	9	2	1	V	1.3	0	1.76	2
401430235	2013	9	2	2	V	1.5	0	2.33	360
401430235	2013	9	2	3	V	1.0	0	3.15	7
401430235	2013	9	2	4	V	1.5	0	3.66	5
401430235	2013	9	2	5	V	1.8	0	3.64	12
401430235	2013	9	2	6	V	1.5	0	3.01	22
401430235	2013	9	2	7	V	1.6	0	2.32	12
401430235	2013	9	2	8	V	3.8	0	2.61	29
401430235	2013	9	2	9	V	1.8	0	3.17	24
401430235	2013	9	2	10	V	3.7	0	3.46	44
401430235	2013	9	2	11	V	2.8	0	4.37	24
401430235	2013	9	2	12	V	2.8	0	3.92	6
401430235	2013	9	2	13	V	5.4	0	3.78	4
401430235	2013	9	2	14	V	3.0	0	3.85	4
401430235	2013	9	2	15	V	2.3	0	3.88	9
401430235	2013	9	2	16	V	3.0	0	3.86	2
401430235	2013	9	2	17	V	4.3	0	3.66	5
401430235	2013	9	2	18	V	4.1	0	3.63	10
401430235	2013	9	2	19	V	2.3	0	2.52	6
401430235	2013	9	2	20	V	2.6	0	1.72	354
401430235	2013	9	2	21	V	2.1	0	1.3	357
401430235	2013	9	2	22	V	2.5	0	1.3	347

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	2	23	V	16.7	0	0.55	317
401430235	2013	9	2	24	V	2.9	0	0.57	274
401430235	2013	9	3	1	V	15.4	0	0.91	328
401430235	2013	9	3	2	V	16.7	0	0.65	320
401430235	2013	9	3	3	V	1.8	0	0.57	257
401430235	2013	9	3	4	C	-999	0	0	0
401430235	2013	9	3	5	V	1.8	0	1.25	4
401430235	2013	9	3	6	V	11.0	0	0.57	304
401430235	2013	9	3	7	V	1.8	0	0.79	3
401430235	2013	9	3	8	V	3.0	0	2.27	20
401430235	2013	9	3	9	V	3.1	0	2.13	35
401430235	2013	9	3	10	V	2.7	0	2.37	46
401430235	2013	9	3	11	V	2.9	0	3.06	22
401430235	2013	9	3	12	V	2.9	0	2.66	15
401430235	2013	9	3	13	V	5.4	1	3.03	18
401430235	2013	9	3	14	V	3.3	2	2.83	23
401430235	2013	9	3	15	V	2.4	1	3.03	14
401430235	2013	9	3	16	V	3.0	2	2.83	7
401430235	2013	9	3	17	V	4.3	3	2.76	18
401430235	2013	9	3	18	V	4.1	3	2.79	17
401430235	2013	9	3	19	V	2.3	1	2.79	13
401430235	2013	9	3	20	V	2.6	1	1.89	12
401430235	2013	9	3	21	V	2.1	0	1.57	11
401430235	2013	9	3	22	V	2.5	0	1.06	350
401430235	2013	9	3	23	C	-999	1	0	0
401430235	2013	9	3	24	C	-999	1	0	0
401430235	2013	9	4	1	C	-999	2	0	0
401430235	2013	9	4	2	V	2.0	1	0.7	267
401430235	2013	9	4	3	C	-999	1	0	0
401430235	2013	9	4	4	C	-999	1	0	0
401430235	2013	9	4	5	C	-999	1	0	0
401430235	2013	9	4	6	C	-999	0	0	0
401430235	2013	9	4	7	C	-999	0	0	0
401430235	2013	9	4	8	V	4.4	0	1.11	45
401430235	2013	9	4	9	V	1.8	0	1.88	132
401430235	2013	9	4	10	V	1.7	0	2.01	150
401430235	2013	9	4	11	V	2.9	0	2.23	155
401430235	2013	9	4	12	V	2.9	0	2.21	148
401430235	2013	9	4	13	V	5.4	0	2.84	86
401430235	2013	9	4	14	V	3.4	0	2.15	43
401430235	2013	9	4	15	V	2.4	0	2.47	79
401430235	2013	9	4	16	V	3.1	0	1.89	95
401430235	2013	9	4	17	V	4.4	0	2.18	159
401430235	2013	9	4	18	V	4.1	0	2.76	155
401430235	2013	9	4	19	V	2.3	0	1.89	168
401430235	2013	9	4	20	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	4	21	V	3.4	1	0.52	2
401430235	2013	9	4	22	V	2.5	1	0.86	12
401430235	2013	9	4	23	C	-999	0	0	0
401430235	2013	9	4	24	V	2.7	0	0.62	131
401430235	2013	9	5	1	V	14.7	0	0.65	311
401430235	2013	9	5	2	V	1.9	0	0.74	265
401430235	2013	9	5	3	C	-999	0	0	0
401430235	2013	9	5	4	V	2.4	0	0.58	28
401430235	2013	9	5	5	C	-999	0	0	0
401430235	2013	9	5	6	V	1.7	0	0.89	235
401430235	2013	9	5	7	V	1.8	0	0.79	252
401430235	2013	9	5	8	V	3.6	0	1.3	220
401430235	2013	9	5	9	V	1.8	0	3	176
401430235	2013	9	5	10	V	1.7	0	3.05	174
401430235	2013	9	5	11	V	2.8	0	2.9	166
401430235	2013	9	5	12	V	2.9	0	2.3	167
401430235	2013	9	5	13	V	5.4	0	2.61	135
401430235	2013	9	5	14	V	3.1	0	2.59	89
401430235	2013	9	5	15	V	2.4	0	2.42	76
401430235	2013	9	5	16	V	3.1	0	1.79	81
401430235	2013	9	5	17	V	4.3	0	2.27	96
401430235	2013	9	5	18	V	4.1	0	2.57	132
401430235	2013	9	5	19	V	2.2	0	2.5	135
401430235	2013	9	5	20	V	2.6	0	1.7	121
401430235	2013	9	5	21	V	2.3	1	1.35	162
401430235	2013	9	5	22	V	3.2	0	0.57	140
401430235	2013	9	5	23	V	2.7	0	0.84	96
401430235	2013	9	5	24	V	2.0	0	1.25	133
401430235	2013	9	6	1	C	-999	0	0	0
401430235	2013	9	6	2	V	1.8	0	1.26	211
401430235	2013	9	6	3	V	1.3	0	0.75	238
401430235	2013	9	6	4	V	1.7	0	0.97	230
401430235	2013	9	6	5	V	2.1	0	0.75	228
401430235	2013	9	6	6	V	1.9	0	1.28	220
401430235	2013	9	6	7	V	1.6	0	1.16	226
401430235	2013	9	6	8	V	3.3	0	1.57	199
401430235	2013	9	6	9	V	1.7	0	3.01	170
401430235	2013	9	6	10	V	1.7	0	2.95	169
401430235	2013	9	6	11	V	2.8	0	3.1	167
401430235	2013	9	6	12	V	2.9	0	2.71	157
401430235	2013	9	6	13	V	5.4	0	2.76	186
401430235	2013	9	6	14	V	3.1	0	2.76	185
401430235	2013	9	6	15	V	2.4	0	2.23	203
401430235	2013	9	6	16	V	2.9	0	3.12	123
401430235	2013	9	6	17	V	4.3	0	3.12	120
401430235	2013	9	6	18	V	4.1	0	2.86	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	6	19	V	2.3	0	2.15	167
401430235	2013	9	6	20	V	2.9	0	1.11	185
401430235	2013	9	6	21	V	2.6	0	0.63	251
401430235	2013	9	6	22	V	2.4	0	1.33	201
401430235	2013	9	6	23	V	2.5	0	1.86	172
401430235	2013	9	6	24	V	2.1	0	1.79	167
401430235	2013	9	7	1	V	1.3	0	1.94	182
401430235	2013	9	7	2	V	1.7	0	1.48	201
401430235	2013	9	7	3	V	1.2	0	1.33	182
401430235	2013	9	7	4	V	1.7	0	1.88	210
401430235	2013	9	7	5	V	1.8	0	1.86	208
401430235	2013	9	7	6	V	1.5	0	1.69	202
401430235	2013	9	7	7	V	1.6	0	2.01	182
401430235	2013	9	7	8	V	2.9	0	2.81	173
401430235	2013	9	7	9	V	1.8	0	3.06	173
401430235	2013	9	7	10	V	1.6	0	3.4	170
401430235	2013	9	7	11	V	2.8	0	3.37	185
401430235	2013	9	7	12	V	2.8	0	3.23	197
401430235	2013	9	7	13	V	5.4	0	2.88	173
401430235	2013	9	7	14	V	3.1	0	2.83	188
401430235	2013	9	7	15	V	2.4	0	2.88	200
401430235	2013	9	7	16	V	3.0	0	3.08	185
401430235	2013	9	7	17	V	4.4	0	2.89	192
401430235	2013	9	7	18	V	4.2	0	2.84	184
401430235	2013	9	7	19	V	2.3	0	1.99	189
401430235	2013	9	7	20	V	3.1	0	0.55	249
401430235	2013	9	7	21	V	3.4	0	0.52	275
401430235	2013	9	7	22	V	2.7	0	0.99	220
401430235	2013	9	7	23	V	2.6	0	0.82	235
401430235	2013	9	7	24	V	2.0	0	1.09	229
401430235	2013	9	8	1	C	-999	0	0	0
401430235	2013	9	8	2	V	1.9	0	0.99	206
401430235	2013	9	8	3	V	1.3	0	0.77	237
401430235	2013	9	8	4	V	17.2	0	0.7	319
401430235	2013	9	8	5	C	-999	0	0	0
401430235	2013	9	8	6	C	-999	0	0	0
401430235	2013	9	8	7	V	2.5	0	0.55	274
401430235	2013	9	8	8	V	3.7	0	1.18	210
401430235	2013	9	8	9	V	1.7	0	2.64	222
401430235	2013	9	8	10	V	1.6	0	2.91	211
401430235	2013	9	8	11	V	2.7	0	4.03	214
401430235	2013	9	8	12	V	2.8	0	3.98	216
401430235	2013	9	8	13	V	5.4	0	4.32	205
401430235	2013	9	8	14	V	3.1	0	4.27	192
401430235	2013	9	8	15	V	2.4	0	4.82	188
401430235	2013	9	8	16	V	3.0	0	4.61	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	8	17	V	4.3	0	4.39	195
401430235	2013	9	8	18	V	4.2	0	3.63	196
401430235	2013	9	8	19	V	2.6	0	1.54	212
401430235	2013	9	8	20	V	2.9	0	0.6	237
401430235	2013	9	8	21	V	2.6	0	0.63	245
401430235	2013	9	8	22	V	3.1	0	0.57	261
401430235	2013	9	8	23	V	2.6	0	0.86	233
401430235	2013	9	8	24	V	2.4	0	0.72	225
401430235	2013	9	9	1	C	-999	0	0	0
401430235	2013	9	9	2	V	1.9	0	0.72	264
401430235	2013	9	9	3	C	-999	0	0	0
401430235	2013	9	9	4	C	-999	0	0	0
401430235	2013	9	9	5	C	-999	0	0	0
401430235	2013	9	9	6	C	-999	0	0	0
401430235	2013	9	9	7	C	-999	0	0	0
401430235	2013	9	9	8	V	3.9	0	1.08	201
401430235	2013	9	9	9	V	1.9	0	2.23	219
401430235	2013	9	9	10	V	1.6	0	3.05	228
401430235	2013	9	9	11	V	2.8	0	2.98	225
401430235	2013	9	9	12	V	2.8	0	5.07	190
401430235	2013	9	9	13	V	5.4	0	5.63	191
401430235	2013	9	9	14	V	3.1	1	6.21	177
401430235	2013	9	9	15	V	2.4	1	5.72	181
401430235	2013	9	9	16	V	3.0	0	5.8	188
401430235	2013	9	9	17	V	4.3	0	5.75	189
401430235	2013	9	9	18	V	4.2	0	5.05	194
401430235	2013	9	9	19	V	2.5	0	1.79	209
401430235	2013	9	9	20	V	2.8	0	1.13	208
401430235	2013	9	9	21	V	2.5	0	0.75	214
401430235	2013	9	9	22	V	3.0	0	0.69	209
401430235	2013	9	9	23	V	3.4	0	0.58	207
401430235	2013	9	9	24	V	2.0	0	1.38	207
401430235	2013	9	10	1	V	1.7	0	0.69	246
401430235	2013	9	10	2	V	2.7	0	0.52	260
401430235	2013	9	10	3	V	1.5	0	0.65	236
401430235	2013	9	10	4	V	1.8	0	0.8	260
401430235	2013	9	10	5	V	2.1	0	0.77	229
401430235	2013	9	10	6	V	1.9	0	0.92	200
401430235	2013	9	10	7	V	2.2	0	0.8	194
401430235	2013	9	10	8	V	3.2	0	1.71	194
401430235	2013	9	10	9	V	1.8	0	2.95	186
401430235	2013	9	10	10	V	1.6	0	3.88	202
401430235	2013	9	10	11	V	2.8	0	5.26	202
401430235	2013	9	10	12	V	2.8	0	5.22	200
401430235	2013	9	10	13	V	5.4	0	5.5	195
401430235	2013	9	10	14	V	3.1	0	5.55	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	10	15	V	2.4	0	5.04	188
401430235	2013	9	10	16	V	3.0	0	5.12	203
401430235	2013	9	10	17	V	4.3	0	4.34	194
401430235	2013	9	10	18	V	4.2	0	3.29	178
401430235	2013	9	10	19	V	2.8	0	1.31	214
401430235	2013	9	10	20	C	-999	0	0	0
401430235	2013	9	10	21	V	9.0	0	0.55	299
401430235	2013	9	10	22	C	-999	0	0	0
401430235	2013	9	10	23	V	3.4	0	0.53	260
401430235	2013	9	10	24	C	-999	0	0	0
401430235	2013	9	11	1	V	2.4	0	0.52	242
401430235	2013	9	11	2	V	2.4	0	0.55	269
401430235	2013	9	11	3	V	1.6	0	0.62	266
401430235	2013	9	11	4	C	-999	0	0	0
401430235	2013	9	11	5	V	2.4	0	0.6	233
401430235	2013	9	11	6	V	2.2	0	0.57	238
401430235	2013	9	11	7	V	2.3	0	0.57	247
401430235	2013	9	11	8	V	4.2	0	0.94	202
401430235	2013	9	11	9	V	2.1	0	1.76	207
401430235	2013	9	11	10	V	1.7	-999	2.15	227
401430235	2013	9	11	11	V	2.8	-999	2.54	216
401430235	2013	9	11	12	V	2.8	0	2.79	210
401430235	2013	9	11	13	V	5.4	0	2.89	201
401430235	2013	9	11	14	V	3.1	0	2.49	217
401430235	2013	9	11	15	V	2.4	0	2.44	173
401430235	2013	9	11	16	V	3.0	0	2.59	193
401430235	2013	9	11	17	V	4.4	0	2.05	216
401430235	2013	9	11	18	V	4.2	0	2.2	186
401430235	2013	9	11	19	V	2.5	0	1.23	209
401430235	2013	9	11	20	V	3.1	0	0.62	240
401430235	2013	9	11	21	V	2.8	0	0.62	275
401430235	2013	9	11	22	V	2.8	0	0.69	277
401430235	2013	9	11	23	V	3.0	0	0.62	270
401430235	2013	9	11	24	V	2.4	0	0.82	219
401430235	2013	9	12	1	V	1.6	0	0.77	225
401430235	2013	9	12	2	V	2.0	0	0.97	220
401430235	2013	9	12	3	V	1.3	0	0.8	234
401430235	2013	9	12	4	V	1.9	0	0.74	252
401430235	2013	9	12	5	V	10.8	0	0.57	303
401430235	2013	9	12	6	C	-999	0	0	0
401430235	2013	9	12	7	V	2.0	0	0.7	227
401430235	2013	9	12	8	V	3.4	0	1.18	256
401430235	2013	9	12	9	V	1.9	0	2.15	358
401430235	2013	9	12	10	V	2.1	0	2.79	27
401430235	2013	9	12	11	V	3.1	0	2.01	45
401430235	2013	9	12	12	V	3.1	0	2.78	47

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	12	13	V	5.7	0	3.37	31
401430235	2013	9	12	14	V	3.1	0	3.15	19
401430235	2013	9	12	15	V	2.3	0	4.31	20
401430235	2013	9	12	16	V	3.2	0	4.1	354
401430235	2013	9	12	17	V	4.2	0	3.83	237
401430235	2013	9	12	18	V	4.2	0	1.4	255
401430235	2013	9	12	19	V	3.6	0	0.84	348
401430235	2013	9	12	20	V	2.7	0	1.2	353
401430235	2013	9	12	21	V	2.1	0	2.9	10
401430235	2013	9	12	22	V	2.3	0	3.27	14
401430235	2013	9	12	23	V	3.1	0	4.14	34
401430235	2013	9	12	24	V	1.9	0	3.3	26
401430235	2013	9	13	1	V	1.3	0	2.73	15
401430235	2013	9	13	2	V	1.5	0	2.42	15
401430235	2013	9	13	3	V	1.0	0	1.86	5
401430235	2013	9	13	4	V	1.5	0	2.62	12
401430235	2013	9	13	5	V	1.8	0	2.93	16
401430235	2013	9	13	6	V	1.5	0	3.34	21
401430235	2013	9	13	7	V	1.6	0	3.74	27
401430235	2013	9	13	8	V	5.3	0	4.75	38
401430235	2013	9	13	9	V	3.3	0	5.19	45
401430235	2013	9	13	10	V	1.9	0	4.78	52
401430235	2013	9	13	11	V	4.0	1	4.65	43
401430235	2013	9	13	12	V	3.6	0	4.1	43
401430235	2013	9	13	13	V	5.8	0	4.65	34
401430235	2013	9	13	14	V	3.3	0	4.15	31
401430235	2013	9	13	15	V	2.2	1	4.87	21
401430235	2013	9	13	16	V	3.2	5	4.34	31
401430235	2013	9	13	17	V	4.4	10	3.9	26
401430235	2013	9	13	18	V	4.0	10	4.32	22
401430235	2013	9	13	19	V	2.3	4	4.17	28
401430235	2013	9	13	20	V	2.7	0	4.48	31
401430235	2013	9	13	21	V	2.1	0	3.74	29
401430235	2013	9	13	22	V	2.7	0	3.18	34
401430235	2013	9	13	23	V	2.4	0	3.61	50
401430235	2013	9	13	24	V	4.9	0	2.91	44
401430235	2013	9	14	1	V	1.2	0	2.74	51
401430235	2013	9	14	2	V	1.7	0	2.03	32
401430235	2013	9	14	3	V	1.1	0	1.89	31
401430235	2013	9	14	4	V	1.5	0	2.49	30
401430235	2013	9	14	5	V	1.9	0	1.81	32
401430235	2013	9	14	6	V	1.7	0	0.94	63
401430235	2013	9	14	7	V	1.5	0	1.74	114
401430235	2013	9	14	8	V	2.9	0	2.28	145
401430235	2013	9	14	9	V	1.6	0	3.35	140
401430235	2013	9	14	10	V	1.5	0	4	147

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	14	11	V	2.8	0	3.66	162
401430235	2013	9	14	12	V	2.8	0	4.05	145
401430235	2013	9	14	13	V	5.3	0	4.09	131
401430235	2013	9	14	14	V	3.0	0	3.66	134
401430235	2013	9	14	15	V	2.3	0	3.63	138
401430235	2013	9	14	16	V	2.9	0	4.02	128
401430235	2013	9	14	17	V	4.3	0	3.49	151
401430235	2013	9	14	18	V	4.2	0	3.85	177
401430235	2013	9	14	19	V	2.3	0	2.93	180
401430235	2013	9	14	20	V	2.6	0	2.22	157
401430235	2013	9	14	21	V	2.0	0	2.69	150
401430235	2013	9	14	22	V	2.2	0	2.55	156
401430235	2013	9	14	23	V	2.3	0	3.15	174
401430235	2013	9	14	24	V	1.9	0	2.71	165
401430235	2013	9	15	1	V	1.3	0	1.98	185
401430235	2013	9	15	2	V	1.5	0	2.62	178
401430235	2013	9	15	3	V	1.0	0	2.33	181
401430235	2013	9	15	4	V	1.5	0	2.15	200
401430235	2013	9	15	5	V	1.7	0	2.54	180
401430235	2013	9	15	6	V	1.5	0	2.83	183
401430235	2013	9	15	7	V	1.5	0	2.81	174
401430235	2013	9	15	8	V	2.9	0	3.15	172
401430235	2013	9	15	9	V	1.7	0	4.42	177
401430235	2013	9	15	10	V	1.6	0	5.55	182
401430235	2013	9	15	11	V	2.8	0	5.89	189
401430235	2013	9	15	12	V	2.8	0	4.78	182
401430235	2013	9	15	13	V	5.4	0	4.36	186
401430235	2013	9	15	14	V	3.1	0	4.65	182
401430235	2013	9	15	15	V	2.4	0	3.88	193
401430235	2013	9	15	16	V	3.0	0	2.74	209
401430235	2013	9	15	17	V	4.4	0	2.67	191
401430235	2013	9	15	18	V	4.2	0	2.81	195
401430235	2013	9	15	19	C	-999	0	0	0
401430235	2013	9	15	20	C	-999	0	0	0
401430235	2013	9	15	21	V	2.6	0	0.65	242
401430235	2013	9	15	22	C	-999	0	0	0
401430235	2013	9	15	23	V	2.7	0	0.94	207
401430235	2013	9	15	24	C	-999	0	0	0
401430235	2013	9	16	1	C	-999	0	0	0
401430235	2013	9	16	2	V	2.8	0	1.5	34
401430235	2013	9	16	3	V	1.0	0	2.15	14
401430235	2013	9	16	4	V	1.5	0	3.63	10
401430235	2013	9	16	5	V	1.8	0	2.95	7
401430235	2013	9	16	6	V	3.3	0	5.09	36
401430235	2013	9	16	7	V	1.6	0	3.05	54
401430235	2013	9	16	8	V	3.2	0	2.91	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	16	9	V	1.6	0	3.35	21
401430235	2013	9	16	10	V	1.7	0	2.72	24
401430235	2013	9	16	11	V	4.9	0	3.25	47
401430235	2013	9	16	12	V	2.8	0	3.59	65
401430235	2013	9	16	13	V	5.3	0	4.32	102
401430235	2013	9	16	14	V	3.0	0	3.9	98
401430235	2013	9	16	15	V	2.3	0	3.41	102
401430235	2013	9	16	16	V	3.0	0	3.18	62
401430235	2013	9	16	17	V	4.9	0	4.12	45
401430235	2013	9	16	18	V	4.4	0	4.07	49
401430235	2013	9	16	19	V	2.3	0	4.03	53
401430235	2013	9	16	20	V	2.7	0	3.85	32
401430235	2013	9	16	21	V	5.2	0	3.51	38
401430235	2013	9	16	22	V	2.3	0	2.66	31
401430235	2013	9	16	23	V	2.4	0	2.13	30
401430235	2013	9	16	24	V	1.9	0	2.67	25
401430235	2013	9	17	1	V	4.3	0	2.49	37
401430235	2013	9	17	2	V	3.9	0	2.44	45
401430235	2013	9	17	3	V	1.0	0	2.11	55
401430235	2013	9	17	4	V	1.9	0	1.74	49
401430235	2013	9	17	5	V	1.8	0	1.31	64
401430235	2013	9	17	6	V	9.5	0	1.33	306
401430235	2013	9	17	7	V	4.5	0	0.57	346
401430235	2013	9	17	8	V	3.4	0	0.97	100
401430235	2013	9	17	9	V	2.5	0	1.11	119
401430235	2013	9	17	10	V	1.9	0	1.64	137
401430235	2013	9	17	11	V	2.8	0	2.08	113
401430235	2013	9	17	12	V	2.8	-999	2.28	133
401430235	2013	9	17	13	V	5.4	-999	2.08	89
401430235	2013	9	17	14	V	3.3	0	1.96	65
401430235	2013	9	17	15	V	2.3	0	2.78	86
401430235	2013	9	17	16	V	3.0	0	2.71	96
401430235	2013	9	17	17	V	4.2	0	3.34	105
401430235	2013	9	17	18	V	4.0	0	3.46	105
401430235	2013	9	17	19	V	2.2	0	2.2	93
401430235	2013	9	17	20	V	2.6	0	2.15	118
401430235	2013	9	17	21	V	2.1	0	5.75	197
401430235	2013	9	17	22	V	2.2	0	2.95	179
401430235	2013	9	17	23	V	2.5	0	1.38	182
401430235	2013	9	17	24	V	2.5	0	0.82	196
401430235	2013	9	18	1	V	1.5	0	0.77	236
401430235	2013	9	18	2	V	2.1	0	0.77	208
401430235	2013	9	18	3	V	1.0	0	2.18	181
401430235	2013	9	18	4	V	1.5	0	2.57	175
401430235	2013	9	18	5	V	1.8	0	2.35	168
401430235	2013	9	18	6	V	1.5	0	2.08	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	18	7	V	1.6	0	2.23	170
401430235	2013	9	18	8	V	3.0	0	2.47	168
401430235	2013	9	18	9	V	1.8	0	3.05	171
401430235	2013	9	18	10	V	1.6	0	4.2	186
401430235	2013	9	18	11	V	2.8	0	4.68	190
401430235	2013	9	18	12	V	2.8	0	5.05	184
401430235	2013	9	18	13	V	5.4	0	5.29	197
401430235	2013	9	18	14	V	3.0	0	5.5	206
401430235	2013	9	18	15	V	2.3	0	5.04	204
401430235	2013	9	18	16	V	3.0	0	6.21	185
401430235	2013	9	18	17	V	4.3	0	4.75	172
401430235	2013	9	18	18	V	4.2	0	3.9	167
401430235	2013	9	18	19	V	2.2	0	3.17	157
401430235	2013	9	18	20	V	2.6	0	5.92	164
401430235	2013	9	18	21	V	2.0	0	4.46	155
401430235	2013	9	18	22	V	2.2	0	2.83	170
401430235	2013	9	18	23	V	2.4	0	3.08	169
401430235	2013	9	18	24	V	1.9	0	2.52	176
401430235	2013	9	19	1	V	1.3	0	2.16	182
401430235	2013	9	19	2	V	1.5	0	2.67	172
401430235	2013	9	19	3	V	1.1	0	1.52	162
401430235	2013	9	19	4	V	1.8	0	1.31	162
401430235	2013	9	19	5	V	1.9	0	1.64	161
401430235	2013	9	19	6	V	1.6	0	1.84	162
401430235	2013	9	19	7	V	1.6	0	1.62	150
401430235	2013	9	19	8	V	2.9	0	2.66	174
401430235	2013	9	19	9	V	1.7	0	5.12	195
401430235	2013	9	19	10	V	1.5	0	5.94	203
401430235	2013	9	19	11	V	2.7	0	6.09	202
401430235	2013	9	19	12	V	2.8	0	5.68	193
401430235	2013	9	19	13	V	5.3	0	5.04	233
401430235	2013	9	19	14	V	3.7	0	2.35	304
401430235	2013	9	19	15	V	2.6	0	1.01	338
401430235	2013	9	19	16	V	3.2	0	1.06	57
401430235	2013	9	19	17	V	4.6	0	0.96	148
401430235	2013	9	19	18	V	4.1	0	1.62	262
401430235	2013	9	19	19	V	2.3	0	1.11	255
401430235	2013	9	19	20	V	3.0	0	0.69	257
401430235	2013	9	19	21	V	2.1	0	1.82	269
401430235	2013	9	19	22	V	2.3	0	2.01	350
401430235	2013	9	19	23	V	3.2	0	2.45	293
401430235	2013	9	19	24	V	2.5	0	1.71	295
401430235	2013	9	20	1	V	1.3	0	1.57	240
401430235	2013	9	20	2	V	1.7	0	1.06	146
401430235	2013	9	20	3	V	1.0	0	2.11	91
401430235	2013	9	20	4	V	1.5	0	2.44	53

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	20	5	V	1.9	0	1.09	72
401430235	2013	9	20	6	V	8.9	0	0.89	336
401430235	2013	9	20	7	V	2.0	0	1.04	286
401430235	2013	9	20	8	V	7.5	0	1.16	327
401430235	2013	9	20	9	V	1.6	0	2.36	5
401430235	2013	9	20	10	V	1.5	0	4.86	19
401430235	2013	9	20	11	V	2.7	0	4.36	6
401430235	2013	9	20	12	V	2.7	0	4.36	24
401430235	2013	9	20	13	V	5.3	0	5.26	15
401430235	2013	9	20	14	V	2.9	0	4.87	16
401430235	2013	9	20	15	V	2.3	0	4.44	16
401430235	2013	9	20	16	V	2.9	0	4.51	15
401430235	2013	9	20	17	V	4.2	0	3.81	14
401430235	2013	9	20	18	V	4.1	0	2.3	357
401430235	2013	9	20	19	V	2.3	0	1.84	358
401430235	2013	9	20	20	V	10.6	0	1.57	332
401430235	2013	9	20	21	V	11.0	0	1.54	331
401430235	2013	9	20	22	V	10.2	0	1.57	332
401430235	2013	9	20	23	V	8.2	0	1.65	334
401430235	2013	9	20	24	V	2.2	1	0.87	259
401430235	2013	9	21	1	V	2.0	2	0.6	258
401430235	2013	9	21	2	V	2.9	1	0.57	281
401430235	2013	9	21	3	C	-999	2	0	0
401430235	2013	9	21	4	C	-999	2	0	0
401430235	2013	9	21	5	C	-999	3	0	0
401430235	2013	9	21	6	C	-999	1	0	0
401430235	2013	9	21	7	C	-999	1	0	0
401430235	2013	9	21	8	V	5.0	2	0.72	75
401430235	2013	9	21	9	V	2.2	0	1.5	18
401430235	2013	9	21	10	V	4.0	0	2.84	45
401430235	2013	9	21	11	V	4.3	0	2.71	47
401430235	2013	9	21	12	V	4.2	0	2.84	44
401430235	2013	9	21	13	V	6.4	1	2.91	41
401430235	2013	9	21	14	V	3.3	3	3.03	26
401430235	2013	9	21	15	V	3.0	1	3.47	35
401430235	2013	9	21	16	V	3.1	2	3.13	25
401430235	2013	9	21	17	V	4.5	5	3.07	26
401430235	2013	9	21	18	V	4.1	4	2.27	6
401430235	2013	9	21	19	V	2.3	3	1.69	1
401430235	2013	9	21	20	V	14.0	4	0.69	331
401430235	2013	9	21	21	V	5.9	2	0.8	341
401430235	2013	9	21	22	V	4.5	1	0.63	289
401430235	2013	9	21	23	V	2.7	1	0.74	268
401430235	2013	9	21	24	V	2.5	1	0.63	264
401430235	2013	9	22	1	V	2.1	2	0.55	235
401430235	2013	9	22	2	V	2.0	2	0.67	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	22	3	V	1.6	2	0.62	253
401430235	2013	9	22	4	V	8.7	1	0.65	301
401430235	2013	9	22	5	C	-999	1	0	0
401430235	2013	9	22	6	V	2.4	1	0.53	239
401430235	2013	9	22	7	C	-999	0	0	0
401430235	2013	9	22	8	C	-999	0	0	0
401430235	2013	9	22	9	V	1.9	0	1.62	137
401430235	2013	9	22	10	V	1.5	0	3.24	144
401430235	2013	9	22	11	V	2.9	0	2.28	129
401430235	2013	9	22	12	V	3.0	0	2.03	162
401430235	2013	9	22	13	V	5.4	0	2.66	167
401430235	2013	9	22	14	V	3.1	0	2.83	152
401430235	2013	9	22	15	V	2.3	0	3.54	137
401430235	2013	9	22	16	V	3.0	0	3.13	151
401430235	2013	9	22	17	V	4.3	0	3.59	154
401430235	2013	9	22	18	V	4.0	0	3.59	150
401430235	2013	9	22	19	V	2.2	0	2.43	142
401430235	2013	9	22	20	V	2.6	0	1.84	142
401430235	2013	9	22	21	C	-999	0	0	0
401430235	2013	9	22	22	V	3.3	0	0.53	241
401430235	2013	9	22	23	V	2.8	0	0.7	231
401430235	2013	9	22	24	V	2.1	0	0.89	234
401430235	2013	9	23	1	V	1.3	0	1.47	205
401430235	2013	9	23	2	V	1.9	0	1.18	190
401430235	2013	9	23	3	V	1.2	0	1.25	183
401430235	2013	9	23	4	V	2.0	0	0.92	195
401430235	2013	9	23	5	V	2.4	0	0.63	224
401430235	2013	9	23	6	V	2.2	0	0.58	244
401430235	2013	9	23	7	V	1.8	0	1.14	222
401430235	2013	9	23	8	V	3.0	0	2.08	174
401430235	2013	9	23	9	V	1.7	0	4.12	170
401430235	2013	9	23	10	V	1.6	0	5.28	171
401430235	2013	9	23	11	V	2.8	0	4.78	165
401430235	2013	9	23	12	V	2.8	-999	4.29	172
401430235	2013	9	23	13	V	5.4	-999	4.87	171
401430235	2013	9	23	14	V	3.0	-999	5.21	168
401430235	2013	9	23	15	V	2.3	-999	5.04	169
401430235	2013	9	23	16	V	2.9	0	5.11	157
401430235	2013	9	23	17	V	4.3	0	5.02	160
401430235	2013	9	23	18	V	4.2	2	3.68	172
401430235	2013	9	23	19	V	2.4	0	1.2	227
401430235	2013	9	23	20	V	3.2	0	0.67	216
401430235	2013	9	23	21	V	2.8	0	0.58	263
401430235	2013	9	23	22	V	2.5	0	1.06	210
401430235	2013	9	23	23	V	2.8	0	1.06	183
401430235	2013	9	23	24	V	2.4	0	0.86	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	24	1	V	1.6	0	0.96	222
401430235	2013	9	24	2	V	1.8	0	1.11	204
401430235	2013	9	24	3	V	1.5	0	1.55	213
401430235	2013	9	24	4	V	1.5	0	1.94	229
401430235	2013	9	24	5	V	1.8	0	1.79	229
401430235	2013	9	24	6	V	1.5	0	2.33	232
401430235	2013	9	24	7	V	1.5	0	2.28	244
401430235	2013	9	24	8	V	3.0	1	1.62	270
401430235	2013	9	24	9	V	2.0	0	3.24	290
401430235	2013	9	24	10	V	2.4	0	3.03	295
401430235	2013	9	24	11	V	3.3	0	3.13	292
401430235	2013	9	24	12	V	4.0	0	3.71	305
401430235	2013	9	24	13	V	6.3	1	3.27	300
401430235	2013	9	24	14	V	4.1	0	3.47	306
401430235	2013	9	24	15	V	3.8	4	3.68	313
401430235	2013	9	24	16	V	4.4	9	3.44	306
401430235	2013	9	24	17	V	6.4	17	3.46	329
401430235	2013	9	24	18	V	5.4	11	2.62	339
401430235	2013	9	24	19	V	10.4	1	1.28	332
401430235	2013	9	24	20	V	12.7	0	0.92	306
401430235	2013	9	24	21	V	13.7	0	0.67	308
401430235	2013	9	24	22	V	2.8	0	0.63	267
401430235	2013	9	24	23	V	2.9	1	0.62	234
401430235	2013	9	24	24	V	2.9	1	0.53	260
401430235	2013	9	25	1	V	2.1	2	0.57	251
401430235	2013	9	25	2	V	1.9	3	0.77	242
401430235	2013	9	25	3	C	-999	3	0	0
401430235	2013	9	25	4	V	2.3	3	0.58	242
401430235	2013	9	25	5	V	2.1	2	0.79	255
401430235	2013	9	25	6	V	1.9	1	0.77	279
401430235	2013	9	25	7	C	-999	1	0	0
401430235	2013	9	25	8	V	5.2	3	0.69	359
401430235	2013	9	25	9	V	7.5	8	1.28	318
401430235	2013	9	25	10	V	2.9	21	1.25	299
401430235	2013	9	25	11	V	4.0	10	1.47	329
401430235	2013	9	25	12	V	3.7	5	1.6	317
401430235	2013	9	25	13	V	5.7	2	1.47	333
401430235	2013	9	25	14	V	3.3	2	1.45	79
401430235	2013	9	25	15	V	2.6	1	1.55	97
401430235	2013	9	25	16	V	3.0	0	2.13	91
401430235	2013	9	25	17	V	4.3	0	2.76	131
401430235	2013	9	25	18	V	4.1	0	3.12	120
401430235	2013	9	25	19	V	2.3	0	1.43	137
401430235	2013	9	25	20	C	-999	0	0	0
401430235	2013	9	25	21	V	3.0	0	0.57	143
401430235	2013	9	25	22	V	3.6	2	0.55	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	25	23	C	-999	1	0	0
401430235	2013	9	25	24	V	3.2	1	0.65	285
401430235	2013	9	26	1	V	1.4	1	1.01	231
401430235	2013	9	26	2	V	1.7	0	1.26	205
401430235	2013	9	26	3	V	1.2	0	1.57	190
401430235	2013	9	26	4	V	1.6	0	1.6	208
401430235	2013	9	26	5	V	1.9	0	1.54	174
401430235	2013	9	26	6	V	1.6	0	1.35	204
401430235	2013	9	26	7	V	1.7	0	1.67	169
401430235	2013	9	26	8	V	2.8	0	2.91	155
401430235	2013	9	26	9	V	1.6	0	4.19	166
401430235	2013	9	26	10	V	1.6	0	4.88	173
401430235	2013	9	26	11	V	2.8	0	5.27	166
401430235	2013	9	26	12	V	2.8	0	5.5	167
401430235	2013	9	26	13	V	5.4	0	4.85	165
401430235	2013	9	26	14	V	3.0	0	5.22	164
401430235	2013	9	26	15	V	2.3	0	5.05	162
401430235	2013	9	26	16	V	2.9	0	5.05	160
401430235	2013	9	26	17	V	4.3	0	5.46	164
401430235	2013	9	26	18	V	4.0	0	4.77	149
401430235	2013	9	26	19	V	2.2	0	3.75	139
401430235	2013	9	26	20	V	2.6	0	3.86	142
401430235	2013	9	26	21	V	2.0	0	4.39	143
401430235	2013	9	26	22	V	2.2	0	3.83	148
401430235	2013	9	26	23	V	2.3	0	3.2	152
401430235	2013	9	26	24	V	1.9	0	2.52	168
401430235	2013	9	27	1	V	1.2	0	2.96	175
401430235	2013	9	27	2	V	1.5	0	2.93	172
401430235	2013	9	27	3	V	1.0	0	2.72	181
401430235	2013	9	27	4	V	1.7	0	1.72	169
401430235	2013	9	27	5	V	1.8	0	1.7	150
401430235	2013	9	27	6	V	1.5	0	1.67	155
401430235	2013	9	27	7	V	1.5	0	2.35	142
401430235	2013	9	27	8	V	2.8	0	2.86	147
401430235	2013	9	27	9	V	1.6	0	4.95	159
401430235	2013	9	27	10	V	1.5	0	5.34	162
401430235	2013	9	27	11	V	2.8	0	5.04	168
401430235	2013	9	27	12	V	2.8	0	6.26	173
401430235	2013	9	27	13	V	5.3	0	6.41	164
401430235	2013	9	27	14	V	3.0	0	6.19	165
401430235	2013	9	27	15	V	2.3	0	6.65	162
401430235	2013	9	27	16	V	2.9	0	6.52	162
401430235	2013	9	27	17	V	4.3	0	6.35	163
401430235	2013	9	27	18	V	4.1	0	5.16	163
401430235	2013	9	27	19	V	2.2	0	4.49	159
401430235	2013	9	27	20	V	2.6	0	4.49	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	27	21	V	2.1	0	4.56	161
401430235	2013	9	27	22	V	2.2	0	5.16	162
401430235	2013	9	27	23	V	2.3	0	4.9	160
401430235	2013	9	27	24	V	1.9	0	4.78	160
401430235	2013	9	28	1	V	1.2	0	4.26	166
401430235	2013	9	28	2	V	1.6	0	3.98	169
401430235	2013	9	28	3	V	1.0	0	4.63	167
401430235	2013	9	28	4	V	1.5	0	4.05	168
401430235	2013	9	28	5	V	1.8	0	3.29	158
401430235	2013	9	28	6	V	1.5	0	4.29	167
401430235	2013	9	28	7	V	1.5	0	5.24	169
401430235	2013	9	28	8	V	2.8	0	5.56	172
401430235	2013	9	28	9	V	1.6	0	4.36	216
401430235	2013	9	28	10	V	1.5	0	2.16	17
401430235	2013	9	28	11	V	4.7	0	1.04	333
401430235	2013	9	28	12	V	5.0	0	1.52	330
401430235	2013	9	28	13	V	8.3	1	3.71	312
401430235	2013	9	28	14	V	4.7	4	2.95	336
401430235	2013	9	28	15	V	3.1	0	2.55	345
401430235	2013	9	28	16	V	3.1	0	3.1	351
401430235	2013	9	28	17	V	4.5	0	2.38	351
401430235	2013	9	28	18	V	4.1	0	1.48	11
401430235	2013	9	28	19	V	2.4	0	1.04	27
401430235	2013	9	28	20	C	-999	0	0	0
401430235	2013	9	28	21	V	18.6	0	0.91	321
401430235	2013	9	28	22	V	3.1	0	0.57	269
401430235	2013	9	28	23	V	3.0	0	0.94	286
401430235	2013	9	28	24	V	2.2	0	0.79	274
401430235	2013	9	29	1	V	2.0	1	0.69	281
401430235	2013	9	29	2	V	2.0	0	0.69	272
401430235	2013	9	29	3	V	1.1	0	1.03	233
401430235	2013	9	29	4	C	-999	0	0	0
401430235	2013	9	29	5	C	-999	0	0	0
401430235	2013	9	29	6	V	1.6	0	1.09	1
401430235	2013	9	29	7	V	1.9	0	0.7	1
401430235	2013	9	29	8	V	8.2	0	0.79	323
401430235	2013	9	29	9	V	1.9	0	1.93	18
401430235	2013	9	29	10	V	1.6	0	2.76	19
401430235	2013	9	29	11	V	2.7	1	3.85	23
401430235	2013	9	29	12	V	2.8	1	3.35	14
401430235	2013	9	29	13	V	5.4	1	2.91	19
401430235	2013	9	29	14	V	3.3	0	2.64	357
401430235	2013	9	29	15	V	2.4	0	2.47	18
401430235	2013	9	29	16	V	3.0	0	2.45	13
401430235	2013	9	29	17	V	4.3	0	2.25	17
401430235	2013	9	29	18	V	4.1	2	1.82	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	9	29	19	V	2.3	3	1.25	1
401430235	2013	9	29	20	V	18.9	1	0.82	320
401430235	2013	9	29	21	V	2.7	0	0.6	249
401430235	2013	9	29	22	C	-999	2	0	0
401430235	2013	9	29	23	V	3.4	4	0.53	242
401430235	2013	9	29	24	V	3.6	2	0.57	284
401430235	2013	9	30	1	V	15.8	1	0.62	321
401430235	2013	9	30	2	V	2.1	2	0.62	254
401430235	2013	9	30	3	V	3.6	1	0.52	287
401430235	2013	9	30	4	V	9.9	0	0.53	334
401430235	2013	9	30	5	V	2.3	1	0.65	270
401430235	2013	9	30	6	V	2.4	3	1.53	297
401430235	2013	9	30	7	V	2.2	1	0.58	253
401430235	2013	9	30	8	C	-999	1	0	0
401430235	2013	9	30	9	V	4.6	1	0.67	179
401430235	2013	9	30	10	V	2.2	0	1.26	162
401430235	2013	9	30	11	V	2.8	0	2.57	160
401430235	2013	9	30	12	V	2.9	0	2.44	166
401430235	2013	9	30	13	V	5.5	0	2.5	168
401430235	2013	9	30	14	V	3.0	0	3.68	165
401430235	2013	9	30	15	V	2.3	0	3.91	167
401430235	2013	9	30	16	V	3.0	0	4.27	173
401430235	2013	9	30	17	V	4.3	0	4	163
401430235	2013	9	30	18	V	4.1	0	2.95	165
401430235	2013	9	30	19	V	2.7	0	0.77	197
401430235	2013	9	30	20	V	3.0	0	0.63	235
401430235	2013	9	30	21	V	2.4	0	0.74	233
401430235	2013	9	30	22	V	2.8	0	0.63	254
401430235	2013	9	30	23	V	2.6	0	0.84	252
401430235	2013	9	30	24	V	2.3	0	0.92	205
401430235	2013	10	1	1	V	1.5	0	1.23	190
401430235	2013	10	1	2	V	1.6	0	1.64	177
401430235	2013	10	1	3	C	-999	0	0	0
401430235	2013	10	1	4	V	2.2	0	0.74	165
401430235	2013	10	1	5	V	2.2	0	0.86	208
401430235	2013	10	1	6	V	1.8	0	1.04	211
401430235	2013	10	1	7	V	1.8	0	1.28	173
401430235	2013	10	1	8	V	2.9	0	1.55	160
401430235	2013	10	1	9	V	1.7	0	2.18	161
401430235	2013	10	1	10	V	1.6	0	4.34	174
401430235	2013	10	1	11	V	2.8	0	5.31	175
401430235	2013	10	1	12	V	2.8	0	5.41	174
401430235	2013	10	1	13	V	5.4	0	4.85	168
401430235	2013	10	1	14	V	3.1	0	4.42	169
401430235	2013	10	1	15	V	2.3	0	4.66	161
401430235	2013	10	1	16	V	3.0	0	4.48	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	1	17	V	4.3	0	3.97	175
401430235	2013	10	1	18	V	4.1	0	3.34	166
401430235	2013	10	1	19	V	2.2	0	2.54	145
401430235	2013	10	1	20	V	2.6	0	2.91	149
401430235	2013	10	1	21	V	2.0	0	2.16	152
401430235	2013	10	1	22	V	2.3	0	2.23	162
401430235	2013	10	1	23	V	2.4	0	2.18	178
401430235	2013	10	1	24	V	2.0	0	1.57	157
401430235	2013	10	2	1	V	1.3	0	1.57	130
401430235	2013	10	2	2	V	1.6	0	1.52	144
401430235	2013	10	2	3	V	2.1	0	0.57	161
401430235	2013	10	2	4	C	-999	0	0	0
401430235	2013	10	2	5	V	1.8	0	1.6	155
401430235	2013	10	2	6	V	1.5	0	2.2	147
401430235	2013	10	2	7	V	1.6	0	2.35	167
401430235	2013	10	2	8	V	2.9	0	2.44	167
401430235	2013	10	2	9	V	1.7	0	3.1	170
401430235	2013	10	2	10	V	1.6	0	4.17	170
401430235	2013	10	2	11	V	2.8	0	4.65	185
401430235	2013	10	2	12	V	2.8	0	4.9	182
401430235	2013	10	2	13	V	5.4	0	5.41	179
401430235	2013	10	2	14	V	3.0	0	6.01	177
401430235	2013	10	2	15	V	2.3	0	5.79	176
401430235	2013	10	2	16	V	3.0	0	5.97	175
401430235	2013	10	2	17	V	4.3	0	5.04	169
401430235	2013	10	2	18	V	4.1	0	3.97	169
401430235	2013	10	2	19	V	2.2	0	2.44	160
401430235	2013	10	2	20	V	2.6	0	3.18	150
401430235	2013	10	2	21	V	2.0	0	3.63	159
401430235	2013	10	2	22	V	2.2	0	3.88	168
401430235	2013	10	2	23	V	2.3	0	4.09	166
401430235	2013	10	2	24	V	1.9	0	3.61	167
401430235	2013	10	3	1	V	1.2	0	2.93	176
401430235	2013	10	3	2	V	1.6	0	3.52	170
401430235	2013	10	3	3	V	1.0	0	3	176
401430235	2013	10	3	4	V	1.5	0	2.59	176
401430235	2013	10	3	5	V	1.7	0	2.66	170
401430235	2013	10	3	6	V	1.5	0	2.93	167
401430235	2013	10	3	7	V	1.5	0	3.52	171
401430235	2013	10	3	8	V	2.8	0	4.61	176
401430235	2013	10	3	9	V	1.6	0	5.45	185
401430235	2013	10	3	10	V	1.6	0	5.7	182
401430235	2013	10	3	11	V	2.8	0	6.86	186
401430235	2013	10	3	12	V	2.8	0	6.79	176
401430235	2013	10	3	13	V	5.4	0	6.4	172
401430235	2013	10	3	14	V	3.0	0	6.72	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	3	15	V	2.3	0	6.5	172
401430235	2013	10	3	16	V	2.9	0	6.81	168
401430235	2013	10	3	17	V	4.3	0	6.55	168
401430235	2013	10	3	18	V	4.1	0	5.77	167
401430235	2013	10	3	19	V	2.2	0	4.88	169
401430235	2013	10	3	20	V	2.6	0	4.73	165
401430235	2013	10	3	21	V	2.0	0	4.1	167
401430235	2013	10	3	22	V	2.2	0	3.83	166
401430235	2013	10	3	23	V	2.4	0	3.41	167
401430235	2013	10	3	24	V	1.9	0	4.05	169
401430235	2013	10	4	1	V	1.2	0	4.09	164
401430235	2013	10	4	2	V	1.5	0	4	166
401430235	2013	10	4	3	V	1.0	0	4.46	167
401430235	2013	10	4	4	V	1.5	0	4.42	167
401430235	2013	10	4	5	V	1.7	0	4.31	168
401430235	2013	10	4	6	V	1.5	0	4.1	175
401430235	2013	10	4	7	V	1.5	0	3.98	171
401430235	2013	10	4	8	V	2.8	0	4.51	178
401430235	2013	10	4	9	V	1.7	0	6.36	187
401430235	2013	10	4	10	V	1.6	0	7.49	186
401430235	2013	10	4	11	V	2.8	0	6.99	189
401430235	2013	10	4	12	V	2.8	0	8.34	188
401430235	2013	10	4	13	V	5.4	0	7.55	184
401430235	2013	10	4	14	V	3.0	0	7.96	188
401430235	2013	10	4	15	V	2.3	0	6.67	183
401430235	2013	10	4	16	V	3.0	0	6.6	179
401430235	2013	10	4	17	V	4.3	0	6.4	176
401430235	2013	10	4	18	V	4.1	0	5.78	161
401430235	2013	10	4	19	V	2.2	0	3.88	164
401430235	2013	10	4	20	V	2.6	0	4.46	148
401430235	2013	10	4	21	V	2.0	0	4.36	155
401430235	2013	10	4	22	V	2.2	0	3.35	176
401430235	2013	10	4	23	V	2.4	0	1.74	181
401430235	2013	10	4	24	V	1.9	0	2.81	152
401430235	2013	10	5	1	V	2.1	0	3.3	293
401430235	2013	10	5	2	V	13.9	0	1.69	318
401430235	2013	10	5	3	V	4.2	3	3.81	338
401430235	2013	10	5	4	V	3.1	1	4.53	344
401430235	2013	10	5	5	V	2.7	4	3.98	346
401430235	2013	10	5	6	V	3.3	0	2.66	340
401430235	2013	10	5	7	V	5.4	13	2.44	337
401430235	2013	10	5	8	V	4.7	15	2.35	335
401430235	2013	10	5	9	V	4.3	4	3	332
401430235	2013	10	5	10	V	2.1	13	2.5	344
401430235	2013	10	5	11	V	4.2	19	3.22	337
401430235	2013	10	5	12	V	4.7	12	3.07	333

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	5	13	V	7.7	10	2.79	328
401430235	2013	10	5	14	V	5.9	7	2.91	322
401430235	2013	10	5	15	V	5.4	8	2.59	320
401430235	2013	10	5	16	V	6.4	11	2.91	317
401430235	2013	10	5	17	V	4.8	6	2.2	291
401430235	2013	10	5	18	V	4.8	0	1.55	297
401430235	2013	10	5	19	V	2.4	0	0.91	253
401430235	2013	10	5	20	V	2.7	0	0.97	267
401430235	2013	10	5	21	V	2.1	0	1.48	255
401430235	2013	10	5	22	V	2.3	0	1.42	247
401430235	2013	10	5	23	C	-999	0	0	0
401430235	2013	10	5	24	V	3.1	0	0.53	206
401430235	2013	10	6	1	V	1.4	0	0.94	264
401430235	2013	10	6	2	V	1.6	0	1.11	262
401430235	2013	10	6	3	V	1.0	0	1.33	269
401430235	2013	10	6	4	V	1.6	0	1.11	261
401430235	2013	10	6	5	V	1.8	0	1.35	256
401430235	2013	10	6	6	V	1.6	0	1.33	280
401430235	2013	10	6	7	V	1.7	0	0.91	234
401430235	2013	10	6	8	V	2.9	9	1.45	272
401430235	2013	10	6	9	V	4.3	8	3.35	314
401430235	2013	10	6	10	V	4.6	7	3.69	313
401430235	2013	10	6	11	V	4.8	4	4	307
401430235	2013	10	6	12	V	3.9	3	3.64	300
401430235	2013	10	6	13	V	6.6	0	3.85	301
401430235	2013	10	6	14	V	3.5	0	3.66	292
401430235	2013	10	6	15	V	2.7	0	3.73	291
401430235	2013	10	6	16	V	4.0	0	3.49	298
401430235	2013	10	6	17	V	4.9	0	2.78	293
401430235	2013	10	6	18	V	4.5	0	1.64	293
401430235	2013	10	6	19	V	2.4	1	0.94	255
401430235	2013	10	6	20	V	2.9	0	0.8	276
401430235	2013	10	6	21	C	-999	10	0	0
401430235	2013	10	6	22	V	5.2	7	0.53	289
401430235	2013	10	6	23	V	2.5	2	1.01	253
401430235	2013	10	6	24	V	3.0	1	0.6	165
401430235	2013	10	7	1	V	16.6	2	0.89	322
401430235	2013	10	7	2	V	2.0	2	1.09	220
401430235	2013	10	7	3	V	1.4	2	0.69	246
401430235	2013	10	7	4	C	-999	3	0	0
401430235	2013	10	7	5	C	-999	0	0	0
401430235	2013	10	7	6	V	2.2	0	0.58	230
401430235	2013	10	7	7	V	2.0	1	0.62	234
401430235	2013	10	7	8	V	3.5	9	0.82	25
401430235	2013	10	7	9	V	3.1	25	1.5	348
401430235	2013	10	7	10	V	1.6	0	2.25	9

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	7	11	V	2.9	2	1.82	5
401430235	2013	10	7	12	V	2.8	0	2.06	14
401430235	2013	10	7	13	V	5.9	0	2.72	33
401430235	2013	10	7	14	V	3.4	0	1.86	53
401430235	2013	10	7	15	V	2.8	0	1.6	42
401430235	2013	10	7	16	V	3.4	0	1.5	33
401430235	2013	10	7	17	V	4.7	0	1.06	40
401430235	2013	10	7	18	C	-999	0	0	0
401430235	2013	10	7	19	V	2.9	0	0.7	280
401430235	2013	10	7	20	V	3.7	0	0.53	272
401430235	2013	10	7	21	V	2.6	0	0.62	259
401430235	2013	10	7	22	V	3.2	0	0.53	252
401430235	2013	10	7	23	C	-999	0	0	0
401430235	2013	10	7	24	C	-999	0	0	0
401430235	2013	10	8	1	C	-999	0	0	0
401430235	2013	10	8	2	C	-999	0	0	0
401430235	2013	10	8	3	C	-999	0	0	0
401430235	2013	10	8	4	C	-999	0	0	0
401430235	2013	10	8	5	V	2.2	0	0.65	238
401430235	2013	10	8	6	V	1.7	0	0.8	250
401430235	2013	10	8	7	C	-999	0	0	0
401430235	2013	10	8	8	V	3.2	0	1.04	205
401430235	2013	10	8	9	V	1.7	0	2.74	156
401430235	2013	10	8	10	V	1.5	0	4.37	164
401430235	2013	10	8	11	V	2.8	0	5.44	166
401430235	2013	10	8	12	V	2.8	0	4.71	165
401430235	2013	10	8	13	V	5.4	0	4.44	169
401430235	2013	10	8	14	V	3.0	0	4.41	166
401430235	2013	10	8	15	V	2.3	0	4.25	168
401430235	2013	10	8	16	V	2.9	0	4.46	150
401430235	2013	10	8	17	V	4.2	0	4.17	157
401430235	2013	10	8	18	V	4.0	0	3.1	153
401430235	2013	10	8	19	V	2.2	0	2.28	135
401430235	2013	10	8	20	V	2.6	0	2.44	139
401430235	2013	10	8	21	V	2.0	0	2.13	141
401430235	2013	10	8	22	V	2.3	0	1.76	146
401430235	2013	10	8	23	V	2.6	0	1.2	189
401430235	2013	10	8	24	V	2.0	0	1.62	161
401430235	2013	10	9	1	V	1.3	0	1.93	169
401430235	2013	10	9	2	V	1.8	0	1.35	189
401430235	2013	10	9	3	V	1.4	0	1.88	213
401430235	2013	10	9	4	V	1.7	0	1.52	193
401430235	2013	10	9	5	V	2.3	0	0.63	250
401430235	2013	10	9	6	V	2.2	0	0.75	187
401430235	2013	10	9	7	V	2.2	0	0.6	240
401430235	2013	10	9	8	V	3.1	0	1.13	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	9	9	V	1.7	0	3.13	163
401430235	2013	10	9	10	V	1.6	0	4.82	168
401430235	2013	10	9	11	V	2.8	0	4.54	168
401430235	2013	10	9	12	V	2.8	0	4.34	181
401430235	2013	10	9	13	V	5.4	1	3.97	180
401430235	2013	10	9	14	V	3.1	-999	3.64	167
401430235	2013	10	9	15	V	2.3	-999	3.81	162
401430235	2013	10	9	16	V	2.9	1	3.97	159
401430235	2013	10	9	17	V	4.2	1	3.86	151
401430235	2013	10	9	18	V	4.0	1	3.25	145
401430235	2013	10	9	19	V	2.2	1	2.1	147
401430235	2013	10	9	20	V	2.6	0	2.74	139
401430235	2013	10	9	21	V	2.1	0	1.82	151
401430235	2013	10	9	22	V	2.4	0	1.2	153
401430235	2013	10	9	23	V	2.5	0	1.26	202
401430235	2013	10	9	24	V	2.3	0	0.84	222
401430235	2013	10	10	1	C	-999	0	0	0
401430235	2013	10	10	2	C	-999	0	0	0
401430235	2013	10	10	3	V	2.0	0	0.57	156
401430235	2013	10	10	4	C	-999	0	0	0
401430235	2013	10	10	5	V	2.4	0	0.65	86
401430235	2013	10	10	6	V	1.5	0	1.62	155
401430235	2013	10	10	7	V	2.6	0	0.63	189
401430235	2013	10	10	8	V	3.1	0	1.21	184
401430235	2013	10	10	9	V	1.7	0	3.04	171
401430235	2013	10	10	10	V	1.6	0	3.72	164
401430235	2013	10	10	11	V	2.8	0	4.85	175
401430235	2013	10	10	12	V	2.8	1	5.27	177
401430235	2013	10	10	13	V	5.4	1	4.77	170
401430235	2013	10	10	14	V	3.0	0	5.9	172
401430235	2013	10	10	15	V	2.3	0	5.89	163
401430235	2013	10	10	16	V	2.9	0	5.77	161
401430235	2013	10	10	17	V	4.3	0	5.62	165
401430235	2013	10	10	18	V	4.0	0	4.54	164
401430235	2013	10	10	19	V	2.2	0	3.34	157
401430235	2013	10	10	20	V	2.6	0	3.27	159
401430235	2013	10	10	21	V	2.0	0	3.03	156
401430235	2013	10	10	22	V	2.2	0	4.12	166
401430235	2013	10	10	23	V	2.3	0	4.9	166
401430235	2013	10	10	24	V	1.9	0	4.76	172
401430235	2013	10	11	1	V	1.2	0	3.81	174
401430235	2013	10	11	2	V	1.5	0	3.17	175
401430235	2013	10	11	3	V	1.0	0	2.35	172
401430235	2013	10	11	4	V	1.6	0	1.76	177
401430235	2013	10	11	5	V	1.8	0	2.08	174
401430235	2013	10	11	6	V	1.5	0	3.42	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	11	7	V	1.5	0	3.97	171
401430235	2013	10	11	8	V	2.8	0	3.49	166
401430235	2013	10	11	9	V	1.6	0	4.93	178
401430235	2013	10	11	10	V	1.6	0	5.99	187
401430235	2013	10	11	11	V	2.8	0	7.38	191
401430235	2013	10	11	12	V	2.8	0	7.01	189
401430235	2013	10	11	13	V	5.4	0	6.07	189
401430235	2013	10	11	14	V	3.1	0	5.97	191
401430235	2013	10	11	15	V	2.3	0	6.4	184
401430235	2013	10	11	16	V	3.0	0	5.97	176
401430235	2013	10	11	17	V	4.3	0	5.58	174
401430235	2013	10	11	18	V	4.0	0	4.54	171
401430235	2013	10	11	19	V	2.2	0	4.17	162
401430235	2013	10	11	20	V	2.6	0	4.27	160
401430235	2013	10	11	21	V	2.1	0	3.34	169
401430235	2013	10	11	22	V	2.3	0	3.32	171
401430235	2013	10	11	23	V	2.4	0	2.59	169
401430235	2013	10	11	24	V	1.9	0	1.79	156
401430235	2013	10	12	1	V	1.3	0	1.54	154
401430235	2013	10	12	2	V	2.1	0	0.86	180
401430235	2013	10	12	3	V	1.1	0	1.59	186
401430235	2013	10	12	4	V	9.7	0	2.2	307
401430235	2013	10	12	5	V	1.9	0	4.17	354
401430235	2013	10	12	6	V	1.5	0	4.36	7
401430235	2013	10	12	7	V	1.6	0	6.26	17
401430235	2013	10	12	8	V	2.7	0	4.56	18
401430235	2013	10	12	9	V	1.5	0	3.78	9
401430235	2013	10	12	10	V	1.5	0	5.16	20
401430235	2013	10	12	11	V	3.1	0	5.73	34
401430235	2013	10	12	12	V	2.8	0	5.67	29
401430235	2013	10	12	13	V	5.4	0	6.35	31
401430235	2013	10	12	14	V	3.1	2	5.55	31
401430235	2013	10	12	15	V	2.2	2	5.48	25
401430235	2013	10	12	16	V	2.9	2	5.33	22
401430235	2013	10	12	17	V	4.2	3	5.38	22
401430235	2013	10	12	18	V	4.1	2	3.92	25
401430235	2013	10	12	19	V	2.2	0	2.59	22
401430235	2013	10	12	20	V	2.6	0	2.42	16
401430235	2013	10	12	21	V	2.1	0	3.01	28
401430235	2013	10	12	22	V	2.3	0	3.2	30
401430235	2013	10	12	23	V	2.7	0	3.92	33
401430235	2013	10	12	24	V	1.9	0	3.37	24
401430235	2013	10	13	1	V	1.3	0	2.98	21
401430235	2013	10	13	2	V	1.6	0	3.06	22
401430235	2013	10	13	3	V	1.0	0	2.96	23
401430235	2013	10	13	4	V	2.0	0	3.64	47

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	13	5	V	1.8	0	4.14	53
401430235	2013	10	13	6	V	2.3	0	4.29	46
401430235	2013	10	13	7	V	3.5	0	3.61	39
401430235	2013	10	13	8	V	3.5	0	3.76	47
401430235	2013	10	13	9	V	1.7	0	3.44	55
401430235	2013	10	13	10	V	1.5	1	3.78	60
401430235	2013	10	13	11	V	2.7	1	3.66	69
401430235	2013	10	13	12	V	2.7	1	3.41	86
401430235	2013	10	13	13	V	5.3	1	3.27	75
401430235	2013	10	13	14	V	3.0	0	3.3	81
401430235	2013	10	13	15	V	2.3	0	2.76	83
401430235	2013	10	13	16	V	2.9	0	3.29	83
401430235	2013	10	13	17	V	4.2	0	2.98	83
401430235	2013	10	13	18	V	4.1	0	2.54	63
401430235	2013	10	13	19	V	2.3	0	3.64	53
401430235	2013	10	13	20	V	2.6	0	3.25	67
401430235	2013	10	13	21	V	2.1	1	3.32	71
401430235	2013	10	13	22	V	2.2	0	1.89	89
401430235	2013	10	13	23	V	2.3	0	2.42	73
401430235	2013	10	13	24	V	1.9	0	2.42	97
401430235	2013	10	14	1	V	1.3	0	2.69	113
401430235	2013	10	14	2	V	1.5	0	3.51	124
401430235	2013	10	14	3	V	1.0	0	4.17	130
401430235	2013	10	14	4	V	1.5	0	4.73	130
401430235	2013	10	14	5	V	1.8	0	3.68	131
401430235	2013	10	14	6	V	1.5	0	2.98	127
401430235	2013	10	14	7	V	1.5	0	3.46	133
401430235	2013	10	14	8	V	2.7	0	2.72	133
401430235	2013	10	14	9	V	1.6	0	3.08	139
401430235	2013	10	14	10	V	1.5	0	3.29	133
401430235	2013	10	14	11	V	2.7	0	3.1	137
401430235	2013	10	14	12	V	2.7	-999	2.81	140
401430235	2013	10	14	13	V	5.3	-999	3.3	143
401430235	2013	10	14	14	V	3.0	0	3.47	152
401430235	2013	10	14	15	V	2.2	0	3.97	136
401430235	2013	10	14	16	V	2.9	0	3.8	141
401430235	2013	10	14	17	V	4.3	0	3.92	162
401430235	2013	10	14	18	V	4.1	0	4.63	166
401430235	2013	10	14	19	V	2.3	0	4.63	162
401430235	2013	10	14	20	V	2.6	0	4.34	166
401430235	2013	10	14	21	V	2.1	0	4.83	168
401430235	2013	10	14	22	V	2.3	0	4.85	170
401430235	2013	10	14	23	V	2.4	0	5.31	168
401430235	2013	10	14	24	V	1.9	0	4.75	171
401430235	2013	10	15	1	V	1.3	0	4.83	170
401430235	2013	10	15	2	V	1.6	0	3.86	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	15	3	V	1.0	0	1.93	229
401430235	2013	10	15	4	V	2.2	0	1.88	299
401430235	2013	10	15	5	V	1.9	0	3.56	354
401430235	2013	10	15	6	V	4.2	0	2.84	339
401430235	2013	10	15	7	V	3.4	0	3.44	342
401430235	2013	10	15	8	V	3.4	0	3.64	341
401430235	2013	10	15	9	V	1.6	1	4.17	353
401430235	2013	10	15	10	V	1.5	0	4.24	357
401430235	2013	10	15	11	V	3.0	0	3.97	348
401430235	2013	10	15	12	V	3.9	2	3.54	338
401430235	2013	10	15	13	V	6.7	3	3	337
401430235	2013	10	15	14	V	3.4	3	3.1	348
401430235	2013	10	15	15	V	2.3	1	3.22	356
401430235	2013	10	15	16	V	3.4	1	2.61	347
401430235	2013	10	15	17	V	4.9	0	2.04	346
401430235	2013	10	15	18	V	14.8	0	0.8	330
401430235	2013	10	15	19	V	12.5	0	0.57	306
401430235	2013	10	15	20	V	3.1	0	0.72	280
401430235	2013	10	15	21	V	2.7	3	0.8	284
401430235	2013	10	15	22	V	2.9	0	1.4	343
401430235	2013	10	15	23	V	4.3	0	1.88	338
401430235	2013	10	15	24	V	2.3	0	3.29	348
401430235	2013	10	16	1	V	1.3	0	3.73	359
401430235	2013	10	16	2	V	1.6	0	4.19	9
401430235	2013	10	16	3	V	1.0	0	3.88	9
401430235	2013	10	16	4	V	1.5	0	3.58	9
401430235	2013	10	16	5	V	1.7	0	2.62	8
401430235	2013	10	16	6	V	1.5	0	1.98	353
401430235	2013	10	16	7	V	3.1	0	1.77	339
401430235	2013	10	16	8	V	2.9	0	2.3	352
401430235	2013	10	16	9	V	1.5	0	4.03	14
401430235	2013	10	16	10	V	1.5	0	4.27	23
401430235	2013	10	16	11	V	2.7	0	3.44	23
401430235	2013	10	16	12	V	2.7	0	3.66	18
401430235	2013	10	16	13	V	5.4	0	3.59	25
401430235	2013	10	16	14	V	3.0	0	3.08	14
401430235	2013	10	16	15	V	3.0	1	2.23	347
401430235	2013	10	16	16	V	4.3	1	2.42	339
401430235	2013	10	16	17	V	7.0	7	2.79	332
401430235	2013	10	16	18	V	13.2	1	3.22	313
401430235	2013	10	16	19	V	10.6	1	2.74	325
401430235	2013	10	16	20	V	9.4	2	1.7	331
401430235	2013	10	16	21	V	4.8	1	1.09	299
401430235	2013	10	16	22	V	2.3	0	1.28	241
401430235	2013	10	16	23	V	2.4	0	1.31	270
401430235	2013	10	16	24	V	2.1	0	0.94	272

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	17	1	V	1.8	0	0.7	279
401430235	2013	10	17	2	V	1.9	0	0.7	251
401430235	2013	10	17	3	V	1.3	0	0.75	235
401430235	2013	10	17	4	C	-999	0	0	0
401430235	2013	10	17	5	V	2.3	0	0.63	244
401430235	2013	10	17	6	V	1.7	0	1.06	201
401430235	2013	10	17	7	C	-999	0	0	0
401430235	2013	10	17	8	V	3.1	0	0.79	191
401430235	2013	10	17	9	V	2.2	0	1.43	206
401430235	2013	10	17	10	V	1.9	0	1.98	215
401430235	2013	10	17	11	V	2.8	0	2.84	203
401430235	2013	10	17	12	V	2.9	0	2.67	211
401430235	2013	10	17	13	V	5.4	0	2.64	202
401430235	2013	10	17	14	V	3.1	0	2.79	222
401430235	2013	10	17	15	V	2.4	0	3.01	214
401430235	2013	10	17	16	V	3.0	0	2.67	219
401430235	2013	10	17	17	V	4.3	0	2.37	211
401430235	2013	10	17	18	V	4.2	0	0.91	231
401430235	2013	10	17	19	V	3.1	0	0.77	286
401430235	2013	10	17	20	V	4.0	0	0.57	283
401430235	2013	10	17	21	C	-999	0	0	0
401430235	2013	10	17	22	V	3.2	0	0.53	267
401430235	2013	10	17	23	V	3.1	0	0.57	261
401430235	2013	10	17	24	C	-999	0	0	0
401430235	2013	10	18	1	C	-999	0	0	0
401430235	2013	10	18	2	V	1.8	0	0.82	272
401430235	2013	10	18	3	V	1.0	0	3.71	4
401430235	2013	10	18	4	V	1.6	0	5.05	19
401430235	2013	10	18	5	V	1.7	0	3.18	19
401430235	2013	10	18	6	V	1.5	0	3.03	21
401430235	2013	10	18	7	V	1.5	0	3.3	25
401430235	2013	10	18	8	V	3.1	0	3.85	33
401430235	2013	10	18	9	V	3.0	0	4.82	40
401430235	2013	10	18	10	V	2.0	0	4.85	34
401430235	2013	10	18	11	V	4.5	0	4.19	39
401430235	2013	10	18	12	V	2.7	2	3.59	22
401430235	2013	10	18	13	V	5.3	1	3.64	7
401430235	2013	10	18	14	V	2.9	0	4.87	15
401430235	2013	10	18	15	V	2.2	0	4.17	12
401430235	2013	10	18	16	V	2.9	0	5.12	360
401430235	2013	10	18	17	V	4.2	0	4.32	2
401430235	2013	10	18	18	V	4.1	0	5.14	7
401430235	2013	10	18	19	V	2.3	0	3.91	359
401430235	2013	10	18	20	V	3.1	0	2.9	348
401430235	2013	10	18	21	V	3.8	0	3.25	342
401430235	2013	10	18	22	V	4.3	0	2.74	341

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	18	23	V	9.3	1	2.55	329
401430235	2013	10	18	24	V	5.6	1	2.95	336
401430235	2013	10	19	1	V	8.4	3	2.49	330
401430235	2013	10	19	2	V	2.6	1	1.31	296
401430235	2013	10	19	3	V	1.1	0	1.01	260
401430235	2013	10	19	4	V	1.7	0	0.86	237
401430235	2013	10	19	5	V	2.1	0	0.72	238
401430235	2013	10	19	6	V	1.9	0	0.99	213
401430235	2013	10	19	7	V	1.7	0	0.84	241
401430235	2013	10	19	8	V	2.9	0	1.47	231
401430235	2013	10	19	9	V	1.7	0	2.25	226
401430235	2013	10	19	10	V	1.9	0	1.89	222
401430235	2013	10	19	11	V	2.9	0	2.33	222
401430235	2013	10	19	12	V	3.0	0	2.4	219
401430235	2013	10	19	13	V	5.4	0	2.28	249
401430235	2013	10	19	14	V	3.0	0	2.37	229
401430235	2013	10	19	15	V	2.3	0	2.69	233
401430235	2013	10	19	16	V	2.9	0	2.76	231
401430235	2013	10	19	17	V	4.3	0	3.18	215
401430235	2013	10	19	18	V	4.4	0	1.81	212
401430235	2013	10	19	19	V	2.8	0	1.09	217
401430235	2013	10	19	20	V	2.7	0	1.37	209
401430235	2013	10	19	21	V	2.3	0	1.16	198
401430235	2013	10	19	22	V	2.5	0	1.3	188
401430235	2013	10	19	23	V	3.8	0	0.52	189
401430235	2013	10	19	24	C	-999	0	0	0
401430235	2013	10	20	1	C	-999	0	0	0
401430235	2013	10	20	2	C	-999	0	0	0
401430235	2013	10	20	3	C	-999	0	0	0
401430235	2013	10	20	4	C	-999	0	0	0
401430235	2013	10	20	5	C	-999	0	0	0
401430235	2013	10	20	6	V	1.9	0	1.03	192
401430235	2013	10	20	7	V	1.9	0	1.03	186
401430235	2013	10	20	8	V	3.0	0	1.65	175
401430235	2013	10	20	9	V	1.7	0	3.08	182
401430235	2013	10	20	10	V	1.6	0	4.66	189
401430235	2013	10	20	11	V	2.7	0	6.13	195
401430235	2013	10	20	12	V	2.8	0	6.84	196
401430235	2013	10	20	13	V	5.4	0	6.96	187
401430235	2013	10	20	14	V	3.0	0	6.23	182
401430235	2013	10	20	15	V	2.3	0	6.19	178
401430235	2013	10	20	16	V	3.0	0	6.06	179
401430235	2013	10	20	17	V	4.3	0	5.09	174
401430235	2013	10	20	18	V	4.1	0	3.22	169
401430235	2013	10	20	19	V	2.3	0	1.99	180
401430235	2013	10	20	20	V	2.8	0	1.25	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	20	21	C	-999	0	0	0
401430235	2013	10	20	22	V	3.6	0	0.53	278
401430235	2013	10	20	23	V	2.8	0	0.89	216
401430235	2013	10	20	24	V	2.2	1	1.18	183
401430235	2013	10	21	1	V	1.5	0	1.06	201
401430235	2013	10	21	2	C	-999	0	0	0
401430235	2013	10	21	3	C	-999	0	0	0
401430235	2013	10	21	4	V	7.3	0	0.52	297
401430235	2013	10	21	5	V	17.0	0	1.06	321
401430235	2013	10	21	6	V	1.5	1	2.28	9
401430235	2013	10	21	7	V	1.6	0	1.13	17
401430235	2013	10	21	8	V	2.7	0	4.19	12
401430235	2013	10	21	9	V	1.5	0	4.56	17
401430235	2013	10	21	10	V	1.5	0	5.31	15
401430235	2013	10	21	11	V	2.6	0	6.45	22
401430235	2013	10	21	12	V	2.7	1	4.63	19
401430235	2013	10	21	13	V	5.3	3	3.91	18
401430235	2013	10	21	14	V	2.9	0	4.58	22
401430235	2013	10	21	15	V	2.3	0	3.37	10
401430235	2013	10	21	16	V	2.9	0	3.3	9
401430235	2013	10	21	17	V	4.2	0	1.93	4
401430235	2013	10	21	18	V	4.1	0	1.4	349
401430235	2013	10	21	19	V	15.9	0	1.09	310
401430235	2013	10	21	20	V	3.2	1	0.62	253
401430235	2013	10	21	21	V	2.4	0	0.72	237
401430235	2013	10	21	22	V	3.1	0	0.57	216
401430235	2013	10	21	23	V	2.8	0	0.87	218
401430235	2013	10	21	24	V	2.1	0	0.94	231
401430235	2013	10	22	1	V	1.7	0	0.79	211
401430235	2013	10	22	2	V	2.2	0	0.65	213
401430235	2013	10	22	3	V	1.4	0	0.86	209
401430235	2013	10	22	4	V	2.1	0	0.77	207
401430235	2013	10	22	5	V	2.1	0	0.87	212
401430235	2013	10	22	6	V	1.8	0	0.96	202
401430235	2013	10	22	7	V	2.2	0	1.38	216
401430235	2013	10	22	8	V	3.0	0	2.1	217
401430235	2013	10	22	9	V	1.7	0	2.64	225
401430235	2013	10	22	10	V	1.5	0	3.17	238
401430235	2013	10	22	11	V	2.7	1	3.19	263
401430235	2013	10	22	12	V	2.8	1	3.04	263
401430235	2013	10	22	13	V	5.4	1	2.76	274
401430235	2013	10	22	14	V	6.2	1	3.17	316
401430235	2013	10	22	15	V	4.1	1	3.05	303
401430235	2013	10	22	16	V	3.4	0	2.81	292
401430235	2013	10	22	17	V	4.7	1	1.98	290
401430235	2013	10	22	18	V	4.2	1	1.09	276

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	22	19	V	4.0	0	0.89	293
401430235	2013	10	22	20	V	16.3	0	1.28	320
401430235	2013	10	22	21	V	2.1	0	2.64	360
401430235	2013	10	22	22	V	2.3	0	1.57	11
401430235	2013	10	22	23	V	2.4	0	1.48	1
401430235	2013	10	22	24	V	2.0	0	1.6	1
401430235	2013	10	23	1	V	1.3	0	1.91	359
401430235	2013	10	23	2	V	11.9	0	1.5	326
401430235	2013	10	23	3	V	1.0	0	2.45	26
401430235	2013	10	23	4	V	1.6	0	1.18	359
401430235	2013	10	23	5	V	1.9	0	1.11	7
401430235	2013	10	23	6	V	2.0	0	0.97	348
401430235	2013	10	23	7	V	8.6	0	1.08	335
401430235	2013	10	23	8	V	6.5	0	1.35	45
401430235	2013	10	23	9	V	4.7	0	2.45	41
401430235	2013	10	23	10	V	1.6	0	2.45	81
401430235	2013	10	23	11	V	2.9	0	2.08	95
401430235	2013	10	23	12	V	2.8	0	2.27	106
401430235	2013	10	23	13	V	5.3	1	2.79	131
401430235	2013	10	23	14	V	3.0	-999	3.08	144
401430235	2013	10	23	15	V	2.3	1	3.78	156
401430235	2013	10	23	16	V	3.0	0	4.53	170
401430235	2013	10	23	17	V	4.3	1	3.92	181
401430235	2013	10	23	18	V	4.2	0	1.04	242
401430235	2013	10	23	19	V	8.7	0	0.77	337
401430235	2013	10	23	20	V	2.6	0	1.35	9
401430235	2013	10	23	21	V	13.6	1	0.65	329
401430235	2013	10	23	22	V	2.3	0	1.94	12
401430235	2013	10	23	23	V	4.9	0	0.91	296
401430235	2013	10	23	24	V	2.1	0	0.99	356
401430235	2013	10	24	1	V	6.3	0	0.79	339
401430235	2013	10	24	2	V	2.1	0	0.65	247
401430235	2013	10	24	3	V	2.5	0	0.58	284
401430235	2013	10	24	4	V	1.5	0	1.74	355
401430235	2013	10	24	5	V	1.8	0	4.49	14
401430235	2013	10	24	6	V	1.5	0	5.02	17
401430235	2013	10	24	7	V	1.6	0	4.85	21
401430235	2013	10	24	8	V	2.9	1	3.69	28
401430235	2013	10	24	9	V	1.7	2	5.45	30
401430235	2013	10	24	10	V	1.5	1	6.6	27
401430235	2013	10	24	11	V	2.8	1	6.77	30
401430235	2013	10	24	12	V	2.7	0	5.95	20
401430235	2013	10	24	13	V	5.3	0	5.58	27
401430235	2013	10	24	14	V	3.6	0	5.11	32
401430235	2013	10	24	15	V	2.3	0	4.99	27
401430235	2013	10	24	16	V	3.5	0	4.65	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	24	17	V	5.3	0	4.17	34
401430235	2013	10	24	18	V	4.6	0	3.73	34
401430235	2013	10	24	19	V	2.2	2	2.18	25
401430235	2013	10	24	20	V	2.6	1	1.79	19
401430235	2013	10	24	21	V	2.1	0	1.6	15
401430235	2013	10	24	22	V	2.3	1	1.72	22
401430235	2013	10	24	23	V	2.3	0	2.23	24
401430235	2013	10	24	24	V	1.9	0	1.72	23
401430235	2013	10	25	1	V	1.3	0	1.55	10
401430235	2013	10	25	2	V	1.6	0	1.64	9
401430235	2013	10	25	3	V	1.0	0	1.7	12
401430235	2013	10	25	4	V	1.5	0	1.82	15
401430235	2013	10	25	5	V	1.8	0	1.87	15
401430235	2013	10	25	6	V	1.5	0	1.54	15
401430235	2013	10	25	7	V	4.8	0	0.96	43
401430235	2013	10	25	8	V	2.7	0	1.91	113
401430235	2013	10	25	9	V	1.6	1	3.27	137
401430235	2013	10	25	10	V	1.5	0	4.44	139
401430235	2013	10	25	11	V	2.7	0	4.24	148
401430235	2013	10	25	12	V	2.7	0	4.05	147
401430235	2013	10	25	13	V	5.4	0	3.69	164
401430235	2013	10	25	14	V	3.0	0	3.56	147
401430235	2013	10	25	15	V	2.3	0	3.8	159
401430235	2013	10	25	16	V	3.0	0	4.65	175
401430235	2013	10	25	17	V	4.3	0	4.65	170
401430235	2013	10	25	18	V	4.0	0	3.63	173
401430235	2013	10	25	19	V	2.3	0	2.49	185
401430235	2013	10	25	20	V	2.6	0	1.89	176
401430235	2013	10	25	21	V	2.1	0	1.84	177
401430235	2013	10	25	22	V	2.3	0	2.15	187
401430235	2013	10	25	23	V	2.7	0	1.14	192
401430235	2013	10	25	24	V	2.1	0	1.74	193
401430235	2013	10	26	1	V	1.3	0	1.88	175
401430235	2013	10	26	2	V	1.6	0	2.93	191
401430235	2013	10	26	3	V	1.0	0	1.94	206
401430235	2013	10	26	4	V	1.5	0	2.59	195
401430235	2013	10	26	5	V	1.8	0	2.1	190
401430235	2013	10	26	6	V	1.5	0	1.89	183
401430235	2013	10	26	7	V	1.6	0	1.93	192
401430235	2013	10	26	8	V	2.8	0	2.03	185
401430235	2013	10	26	9	V	1.7	0	3.47	192
401430235	2013	10	26	10	V	1.6	0	3.61	191
401430235	2013	10	26	11	V	2.8	1	3.25	186
401430235	2013	10	26	12	V	3.0	1	2.44	192
401430235	2013	10	26	13	V	5.5	1	3.05	216
401430235	2013	10	26	14	V	3.1	1	1.93	251

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	26	15	V	2.3	1	2.83	11
401430235	2013	10	26	16	V	3.6	0	3.13	51
401430235	2013	10	26	17	V	4.4	0	2.04	167
401430235	2013	10	26	18	V	8.1	0	0.91	300
401430235	2013	10	26	19	V	2.6	0	0.74	262
401430235	2013	10	26	20	C	-999	0	0	0
401430235	2013	10	26	21	V	2.5	0	0.65	235
401430235	2013	10	26	22	V	10.4	0	0.53	334
401430235	2013	10	26	23	V	2.6	0	0.79	245
401430235	2013	10	26	24	V	2.0	0	2.93	359
401430235	2013	10	27	1	V	1.3	0	2.76	6
401430235	2013	10	27	2	V	1.6	0	3.52	4
401430235	2013	10	27	3	V	1.0	0	3.18	8
401430235	2013	10	27	4	V	1.5	0	2.2	360
401430235	2013	10	27	5	V	1.8	0	1.64	356
401430235	2013	10	27	6	V	1.5	0	1.47	357
401430235	2013	10	27	7	V	6.3	0	0.55	295
401430235	2013	10	27	8	V	17.6	0	0.84	324
401430235	2013	10	27	9	V	2.9	0	1.3	25
401430235	2013	10	27	10	V	2.2	3	1.42	73
401430235	2013	10	27	11	V	4.2	15	0.92	176
401430235	2013	10	27	12	V	6.2	6	1.18	337
401430235	2013	10	27	13	V	5.6	5	1.71	272
401430235	2013	10	27	14	V	3.4	2	1.31	137
401430235	2013	10	27	15	V	2.5	1	1.69	185
401430235	2013	10	27	16	V	3.2	1	1.45	166
401430235	2013	10	27	17	V	4.3	1	2.05	196
401430235	2013	10	27	18	V	4.3	0	0.74	227
401430235	2013	10	27	19	C	-999	0	0	0
401430235	2013	10	27	20	V	3.1	0	0.67	265
401430235	2013	10	27	21	V	2.7	0	0.62	261
401430235	2013	10	27	22	V	3.0	0	0.65	217
401430235	2013	10	27	23	C	-999	0	0	0
401430235	2013	10	27	24	V	2.5	0	0.67	210
401430235	2013	10	28	1	V	1.3	0	3.17	198
401430235	2013	10	28	2	V	1.6	0	3.13	204
401430235	2013	10	28	3	V	1.0	0	2.95	199
401430235	2013	10	28	4	V	1.6	0	3	191
401430235	2013	10	28	5	V	1.8	0	1.99	192
401430235	2013	10	28	6	V	1.5	0	3.13	177
401430235	2013	10	28	7	V	1.6	0	2.79	175
401430235	2013	10	28	8	V	2.7	0	2.49	159
401430235	2013	10	28	9	V	1.7	0	3.3	165
401430235	2013	10	28	10	V	1.6	0	3.44	167
401430235	2013	10	28	11	V	2.8	0	3.64	167
401430235	2013	10	28	12	V	2.8	0	4	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	28	13	V	5.4	0	3.91	163
401430235	2013	10	28	14	V	2.9	0	4.44	137
401430235	2013	10	28	15	V	2.2	0	4.58	145
401430235	2013	10	28	16	V	2.9	0	4.99	144
401430235	2013	10	28	17	V	4.2	0	4.09	150
401430235	2013	10	28	18	V	4.1	0	3.74	128
401430235	2013	10	28	19	V	2.3	0	3.54	134
401430235	2013	10	28	20	V	2.6	0	3.47	135
401430235	2013	10	28	21	V	2.1	0	3.42	139
401430235	2013	10	28	22	V	2.3	0	3.59	139
401430235	2013	10	28	23	V	2.4	0	3.32	148
401430235	2013	10	28	24	V	1.9	0	3.59	149
401430235	2013	10	29	1	V	1.2	0	4.48	151
401430235	2013	10	29	2	V	1.5	0	5.07	166
401430235	2013	10	29	3	V	1.0	0	3.59	171
401430235	2013	10	29	4	V	1.5	0	4	179
401430235	2013	10	29	5	V	1.8	0	4.29	182
401430235	2013	10	29	6	V	1.5	0	3.56	178
401430235	2013	10	29	7	V	1.5	0	3.74	175
401430235	2013	10	29	8	V	2.7	0	4.1	179
401430235	2013	10	29	9	V	1.6	0	4.88	183
401430235	2013	10	29	10	V	1.6	0	4.41	184
401430235	2013	10	29	11	V	2.8	0	4.7	184
401430235	2013	10	29	12	V	2.8	0	4.7	178
401430235	2013	10	29	13	V	5.4	0	6.91	181
401430235	2013	10	29	14	V	3.0	0	6.96	187
401430235	2013	10	29	15	V	2.3	0	7.09	182
401430235	2013	10	29	16	V	3.0	0	4.93	183
401430235	2013	10	29	17	V	4.3	0	3.85	183
401430235	2013	10	29	18	V	4.1	0	4.41	176
401430235	2013	10	29	19	V	2.3	0	3.23	169
401430235	2013	10	29	20	V	2.6	0	4	171
401430235	2013	10	29	21	V	2.1	0	3.39	170
401430235	2013	10	29	22	V	2.3	0	3.08	174
401430235	2013	10	29	23	V	2.4	0	2.28	166
401430235	2013	10	29	24	V	2.0	0	2.54	168
401430235	2013	10	30	1	V	1.3	0	2.73	171
401430235	2013	10	30	2	V	1.6	0	3.52	168
401430235	2013	10	30	3	V	1.0	0	3.44	171
401430235	2013	10	30	4	V	1.5	0	3.47	170
401430235	2013	10	30	5	V	1.8	0	4.05	182
401430235	2013	10	30	6	V	1.5	0	4.71	180
401430235	2013	10	30	7	V	1.6	0	3.18	171
401430235	2013	10	30	8	V	2.7	0	3.54	159
401430235	2013	10	30	9	V	1.6	0	5.79	177
401430235	2013	10	30	10	V	1.6	0	3.78	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	10	30	11	V	2.8	0	3.56	174
401430235	2013	10	30	12	V	2.8	0	4.12	174
401430235	2013	10	30	13	V	5.3	0	3.91	155
401430235	2013	10	30	14	V	3.0	0	3.32	150
401430235	2013	10	30	15	V	2.4	-999	3.27	168
401430235	2013	10	30	16	V	3.0	-999	6.87	181
401430235	2013	10	30	17	V	4.3	0	7.45	182
401430235	2013	10	30	18	V	4.2	0	6.97	181
401430235	2013	10	30	19	V	2.3	0	6.6	180
401430235	2013	10	30	20	V	2.7	0	6.77	181
401430235	2013	10	30	21	V	2.1	0	5.7	186
401430235	2013	10	30	22	V	2.3	0	5.09	185
401430235	2013	10	30	23	V	2.4	0	4.63	178
401430235	2013	10	30	24	V	1.9	0	3.86	177
401430235	2013	10	31	1	V	1.3	0	2.86	170
401430235	2013	10	31	2	V	1.6	0	2.36	130
401430235	2013	10	31	3	C	-999	0	0	0
401430235	2013	10	31	4	V	1.6	0	2.86	177
401430235	2013	10	31	5	C	-999	0	0	0
401430235	2013	10	31	6	V	1.5	0	2.86	157
401430235	2013	10	31	7	V	1.6	0	2.36	195
401430235	2013	10	31	8	V	2.8	0	2.86	191
401430235	2013	10	31	9	V	1.7	0	3.1	213
401430235	2013	10	31	10	V	1.5	0	5.22	227
401430235	2013	10	31	11	V	2.7	0	5.51	244
401430235	2013	10	31	12	V	2.7	0	5.65	254
401430235	2013	10	31	13	V	5.4	0	4.8	286
401430235	2013	10	31	14	V	4.4	0	4.44	302
401430235	2013	10	31	15	V	3.1	0	3.88	297
401430235	2013	10	31	16	V	3.7	0	3.37	296
401430235	2013	10	31	17	V	4.3	0	2.28	278
401430235	2013	10	31	18	V	4.1	0	1.31	262
401430235	2013	10	31	19	V	2.3	0	1.26	244
401430235	2013	10	31	20	V	2.6	0	1.43	246
401430235	2013	10	31	21	V	2.1	0	1.65	255
401430235	2013	10	31	22	V	2.3	0	1.77	242
401430235	2013	10	31	23	V	2.4	0	1.74	242
401430235	2013	10	31	24	V	2.0	0	1.33	235
401430235	2013	11	1	1	C	-999	0	0	0
401430235	2013	11	1	2	C	-999	0	0	0
401430235	2013	11	1	3	V	1.5	0	0.72	132
401430235	2013	11	1	4	C	-999	0	0	0
401430235	2013	11	1	5	V	3.1	0	0.58	184
401430235	2013	11	1	6	V	2.0	0	1.04	166
401430235	2013	11	1	7	C	-999	1	0	0
401430235	2013	11	1	8	V	3.4	1	0.7	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	1	9	V	2.7	1	0.97	169
401430235	2013	11	1	10	V	2.1	2	1.57	161
401430235	2013	11	1	11	V	2.9	1	2.44	224
401430235	2013	11	1	12	V	3.0	1	3	285
401430235	2013	11	1	13	V	5.7	0	3.22	289
401430235	2013	11	1	14	V	3.6	0	3.47	292
401430235	2013	11	1	15	V	3.5	1	3.52	299
401430235	2013	11	1	16	V	5.5	1	3.81	309
401430235	2013	11	1	17	V	8.7	2	3.71	315
401430235	2013	11	1	18	V	9.4	2	3.03	330
401430235	2013	11	1	19	V	11.1	4	2.03	323
401430235	2013	11	1	20	V	11.8	1	1.84	324
401430235	2013	11	1	21	V	16.2	0	1.42	318
401430235	2013	11	1	22	V	2.7	1	0.75	276
401430235	2013	11	1	23	V	2.6	1	0.84	262
401430235	2013	11	1	24	V	14.9	0	1.64	311
401430235	2013	11	2	1	V	1.6	3	1.31	286
401430235	2013	11	2	2	V	15.2	2	1.72	313
401430235	2013	11	2	3	V	12.9	6	1.99	316
401430235	2013	11	2	4	V	3.0	0	1.26	297
401430235	2013	11	2	5	V	12.8	0	1.55	309
401430235	2013	11	2	6	V	5.4	0	1.69	304
401430235	2013	11	2	7	V	2.0	0	1.35	289
401430235	2013	11	2	8	V	9.3	0	2.32	305
401430235	2013	11	2	9	V	3.3	7	2.96	335
401430235	2013	11	2	10	V	3.1	3	3.69	336
401430235	2013	11	2	11	V	3.4	2	4.83	341
401430235	2013	11	2	12	V	3.7	5	4.71	339
401430235	2013	11	2	13	V	6.0	2	4.1	342
401430235	2013	11	2	14	V	3.6	2	3.54	344
401430235	2013	11	2	15	V	3.5	2	3.63	338
401430235	2013	11	2	16	V	2.9	2	3.61	358
401430235	2013	11	2	17	V	4.2	0	2.44	4
401430235	2013	11	2	18	V	7.5	0	1.18	339
401430235	2013	11	2	19	V	2.8	0	0.62	276
401430235	2013	11	2	20	C	-999	0	0	0
401430235	2013	11	2	21	V	2.8	0	0.58	244
401430235	2013	11	2	22	V	3.4	0	0.52	256
401430235	2013	11	2	23	C	-999	0	0	0
401430235	2013	11	2	24	C	-999	0	0	0
401430235	2013	11	3	1	C	-999	0	0	0
401430235	2013	11	3	2	C	-999	0	0	0
401430235	2013	11	3	3	V	1.5	0	0.72	222
401430235	2013	11	3	4	V	1.7	0	0.87	244
401430235	2013	11	3	5	V	3.0	0	0.57	196
401430235	2013	11	3	6	V	2.6	0	0.62	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	3	7	V	1.8	0	1.16	161
401430235	2013	11	3	8	V	2.7	0	1.99	159
401430235	2013	11	3	9	V	1.7	0	3.52	163
401430235	2013	11	3	10	V	1.6	0	5.6	170
401430235	2013	11	3	11	V	2.7	0	7.83	177
401430235	2013	11	3	12	V	2.8	0	6.45	176
401430235	2013	11	3	13	V	5.4	0	6.7	177
401430235	2013	11	3	14	V	3.0	0	5.72	174
401430235	2013	11	3	15	V	2.3	0	4.85	166
401430235	2013	11	3	16	V	2.9	0	4.03	156
401430235	2013	11	3	17	V	4.3	0	4.15	162
401430235	2013	11	3	18	V	4.0	0	4.65	165
401430235	2013	11	3	19	V	2.2	0	4.87	164
401430235	2013	11	3	20	V	2.6	0	5.8	169
401430235	2013	11	3	21	V	2.0	0	5.73	167
401430235	2013	11	3	22	V	2.2	0	5.45	170
401430235	2013	11	3	23	V	2.3	0	5.8	169
401430235	2013	11	3	24	V	1.9	0	5.67	167
401430235	2013	11	4	1	V	1.2	0	5.79	168
401430235	2013	11	4	2	V	1.5	0	5.11	172
401430235	2013	11	4	3	V	1.0	0	5.8	173
401430235	2013	11	4	4	V	1.5	0	5.46	178
401430235	2013	11	4	5	V	1.7	0	4.65	167
401430235	2013	11	4	6	V	1.5	0	4.63	170
401430235	2013	11	4	7	V	1.5	0	5.62	171
401430235	2013	11	4	8	V	2.7	0	5.1	170
401430235	2013	11	4	9	V	1.6	0	5.29	172
401430235	2013	11	4	10	V	1.6	0	5.38	180
401430235	2013	11	4	11	V	2.8	0	7.65	184
401430235	2013	11	4	12	V	2.8	0	7.13	185
401430235	2013	11	4	13	V	5.4	0	6.99	190
401430235	2013	11	4	14	V	3.1	0	6.98	190
401430235	2013	11	4	15	V	2.4	0	6.81	186
401430235	2013	11	4	16	V	3.0	0	6.02	181
401430235	2013	11	4	17	V	4.2	0	4.92	171
401430235	2013	11	4	18	V	4.1	0	3.64	153
401430235	2013	11	4	19	V	2.3	0	3.37	159
401430235	2013	11	4	20	V	2.6	0	3.76	156
401430235	2013	11	4	21	V	2.1	0	4.17	168
401430235	2013	11	4	22	V	2.3	0	4	168
401430235	2013	11	4	23	V	2.4	0	3.65	160
401430235	2013	11	4	24	V	1.9	0	3.51	158
401430235	2013	11	5	1	V	1.3	0	3.39	151
401430235	2013	11	5	2	V	1.6	0	3.46	159
401430235	2013	11	5	3	V	1.0	0	3.29	154
401430235	2013	11	5	4	V	1.5	0	3.68	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	5	5	V	1.8	0	3.71	151
401430235	2013	11	5	6	V	1.5	0	3.64	142
401430235	2013	11	5	7	V	1.5	0	3.64	146
401430235	2013	11	5	8	V	2.7	0	3.91	160
401430235	2013	11	5	9	V	1.7	0	3.75	165
401430235	2013	11	5	10	V	1.6	0	5.21	167
401430235	2013	11	5	11	V	2.8	0	5.31	165
401430235	2013	11	5	12	V	2.8	0	5.26	166
401430235	2013	11	5	13	V	5.4	0	5.26	169
401430235	2013	11	5	14	V	3.1	0	3.93	168
401430235	2013	11	5	15	V	2.4	0	3.83	170
401430235	2013	11	5	16	V	3.0	0	4.07	172
401430235	2013	11	5	17	V	4.3	0	4.36	179
401430235	2013	11	5	18	V	4.1	0	3.27	178
401430235	2013	11	5	19	V	2.3	0	3.4	159
401430235	2013	11	5	20	V	2.6	0	4.07	163
401430235	2013	11	5	21	V	2.1	0	3.73	167
401430235	2013	11	5	22	V	2.3	0	4.12	168
401430235	2013	11	5	23	V	2.4	0	4.94	185
401430235	2013	11	5	24	V	2.0	0	2.86	232
401430235	2013	11	6	1	V	12.4	0	4.19	318
401430235	2013	11	6	2	V	8.9	0	3.27	328
401430235	2013	11	6	3	V	9.2	0	3.9	327
401430235	2013	11	6	4	V	6.7	1	3.63	333
401430235	2013	11	6	5	V	8.7	1	3.41	329
401430235	2013	11	6	6	V	5.4	2	3.69	336
401430235	2013	11	6	7	V	4.7	0	3.66	338
401430235	2013	11	6	8	V	7.9	1	3.54	333
401430235	2013	11	6	9	V	2.2	1	4.34	341
401430235	2013	11	6	10	V	1.6	0	4.73	350
401430235	2013	11	6	11	V	4.7	1	3.69	334
401430235	2013	11	6	12	V	3.3	1	3.97	344
401430235	2013	11	6	13	V	6.7	-999	4.15	336
401430235	2013	11	6	14	V	3.4	0	4.08	346
401430235	2013	11	6	15	V	2.4	0	4.14	351
401430235	2013	11	6	16	V	2.9	0	3.12	4
401430235	2013	11	6	17	V	4.4	0	2.76	358
401430235	2013	11	6	18	V	6.8	0	1.42	339
401430235	2013	11	6	19	V	16.6	0	1.03	325
401430235	2013	11	6	20	V	3.4	0	0.72	283
401430235	2013	11	6	21	C	-999	0	0	0
401430235	2013	11	6	22	V	2.7	1	0.67	256
401430235	2013	11	6	23	C	-999	1	0	0
401430235	2013	11	6	24	V	2.6	1	0.62	225
401430235	2013	11	7	1	C	-999	0	0	0
401430235	2013	11	7	2	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	7	3	V	1.5	1	0.87	216
401430235	2013	11	7	4	C	-999	1	0	0
401430235	2013	11	7	5	V	2.4	0	0.62	247
401430235	2013	11	7	6	C	-999	0	0	0
401430235	2013	11	7	7	V	2.4	0	0.57	252
401430235	2013	11	7	8	V	3.0	0	0.97	222
401430235	2013	11	7	9	V	2.1	0	1.31	187
401430235	2013	11	7	10	V	2.1	0	1.7	207
401430235	2013	11	7	11	V	3.5	0	1.4	212
401430235	2013	11	7	12	V	3.2	0	1.37	252
401430235	2013	11	7	13	V	5.6	0	1.77	206
401430235	2013	11	7	14	V	3.8	0	1.93	290
401430235	2013	11	7	15	V	2.5	0	1.86	275
401430235	2013	11	7	16	V	5.1	0	1.55	305
401430235	2013	11	7	17	V	4.4	1	0.72	254
401430235	2013	11	7	18	C	-999	1	0	0
401430235	2013	11	7	19	V	3.4	0	0.53	272
401430235	2013	11	7	20	V	3.3	0	0.6	261
401430235	2013	11	7	21	V	12.5	0	0.55	306
401430235	2013	11	7	22	V	2.8	0	0.65	250
401430235	2013	11	7	23	V	2.9	0	0.63	269
401430235	2013	11	7	24	V	2.7	0	0.62	275
401430235	2013	11	8	1	V	2.0	0	0.62	277
401430235	2013	11	8	2	V	1.8	0	0.8	241
401430235	2013	11	8	3	C	-999	0	0	0
401430235	2013	11	8	4	C	-999	0	0	0
401430235	2013	11	8	5	V	2.2	0	0.79	223
401430235	2013	11	8	6	V	1.9	0	0.7	227
401430235	2013	11	8	7	C	-999	0	0	0
401430235	2013	11	8	8	V	3.1	0	1.06	184
401430235	2013	11	8	9	V	1.7	0	3.05	189
401430235	2013	11	8	10	V	1.6	0	5.41	194
401430235	2013	11	8	11	V	2.7	0	6.55	199
401430235	2013	11	8	12	V	2.8	1	7.57	200
401430235	2013	11	8	13	V	5.3	0	8.25	197
401430235	2013	11	8	14	V	3.0	0	8.32	192
401430235	2013	11	8	15	V	2.3	0	8.93	192
401430235	2013	11	8	16	V	3.0	0	8.9	186
401430235	2013	11	8	17	V	4.4	0	7.61	191
401430235	2013	11	8	18	V	4.2	0	6.32	186
401430235	2013	11	8	19	V	2.3	0	5.73	187
401430235	2013	11	8	20	V	2.6	0	3.98	177
401430235	2013	11	8	21	V	2.1	0	4.85	188
401430235	2013	11	8	22	V	2.3	0	4.34	188
401430235	2013	11	8	23	V	2.4	1	3.29	194
401430235	2013	11	8	24	V	1.9	1	4.02	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	9	1	V	1.3	0	3.91	188
401430235	2013	11	9	2	V	1.6	0	3.9	187
401430235	2013	11	9	3	V	1.0	0	3.98	191
401430235	2013	11	9	4	V	1.6	0	2.03	167
401430235	2013	11	9	5	V	2.1	0	1.09	182
401430235	2013	11	9	6	V	2.5	0	0.57	90
401430235	2013	11	9	7	C	-999	0	0	0
401430235	2013	11	9	8	C	-999	0	0	0
401430235	2013	11	9	9	V	1.9	0	1.81	155
401430235	2013	11	9	10	V	1.7	0	3.01	186
401430235	2013	11	9	11	V	2.9	0	3.54	185
401430235	2013	11	9	12	V	2.9	0	3.4	194
401430235	2013	11	9	13	V	5.4	0	3.39	203
401430235	2013	11	9	14	V	3.1	0	2.93	184
401430235	2013	11	9	15	V	2.3	0	3.07	157
401430235	2013	11	9	16	V	3.0	0	4.2	185
401430235	2013	11	9	17	V	4.3	0	3.9	171
401430235	2013	11	9	18	V	4.0	0	3.34	164
401430235	2013	11	9	19	V	2.3	0	2.16	164
401430235	2013	11	9	20	V	2.8	0	1.67	169
401430235	2013	11	9	21	V	2.4	0	1.18	184
401430235	2013	11	9	22	V	3.4	0	0.53	71
401430235	2013	11	9	23	V	3.1	0	0.74	190
401430235	2013	11	9	24	V	4.2	0	0.53	286
401430235	2013	11	10	1	V	1.9	0	0.63	274
401430235	2013	11	10	2	V	2.3	1	0.6	266
401430235	2013	11	10	3	V	1.2	0	0.84	238
401430235	2013	11	10	4	V	1.9	0	0.74	6
401430235	2013	11	10	5	V	7.4	0	0.58	297
401430235	2013	11	10	6	V	2.2	0	0.63	359
401430235	2013	11	10	7	V	1.9	0	0.77	11
401430235	2013	11	10	8	C	-999	0	0	0
401430235	2013	11	10	9	V	2.5	0	1.2	203
401430235	2013	11	10	10	V	3.1	1	1.01	147
401430235	2013	11	10	11	V	3.1	1	1.43	131
401430235	2013	11	10	12	V	3.3	1	1.38	191
401430235	2013	11	10	13	V	5.4	2	1.74	119
401430235	2013	11	10	14	V	3.2	3	1.42	168
401430235	2013	11	10	15	V	2.5	2	1.45	116
401430235	2013	11	10	16	V	3.1	2	1.57	191
401430235	2013	11	10	17	V	4.5	1	1.21	173
401430235	2013	11	10	18	C	-999	1	0	0
401430235	2013	11	10	19	C	-999	0	0	0
401430235	2013	11	10	20	C	-999	0	0	0
401430235	2013	11	10	21	V	2.6	0	0.79	209
401430235	2013	11	10	22	V	5.1	0	0.52	288

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	10	23	V	2.6	0	0.84	254
401430235	2013	11	10	24	V	2.7	0	0.62	217
401430235	2013	11	11	1	V	2.0	0	0.67	215
401430235	2013	11	11	2	V	2.4	0	0.55	258
401430235	2013	11	11	3	V	1.6	0	0.75	215
401430235	2013	11	11	4	V	1.8	0	0.84	228
401430235	2013	11	11	5	V	2.1	0	1.08	212
401430235	2013	11	11	6	V	2.0	0	0.74	210
401430235	2013	11	11	7	V	1.9	0	0.97	211
401430235	2013	11	11	8	V	2.9	0	1.42	189
401430235	2013	11	11	9	V	1.7	0	2.66	185
401430235	2013	11	11	10	V	1.6	0	3.29	187
401430235	2013	11	11	11	V	2.8	0	3.85	185
401430235	2013	11	11	12	V	2.9	1	3.76	189
401430235	2013	11	11	13	V	5.4	1	2.86	217
401430235	2013	11	11	14	V	3.0	0	2.5	237
401430235	2013	11	11	15	V	2.3	0	1.76	242
401430235	2013	11	11	16	V	6.6	0	1.35	316
401430235	2013	11	11	17	V	4.4	0	1.69	360
401430235	2013	11	11	18	V	4.2	1	3.52	355
401430235	2013	11	11	19	V	2.4	0	3.73	356
401430235	2013	11	11	20	V	2.6	0	5.17	10
401430235	2013	11	11	21	V	2.1	0	7.37	9
401430235	2013	11	11	22	V	2.3	0	6.99	11
401430235	2013	11	11	23	V	2.4	0	7.21	13
401430235	2013	11	11	24	V	2.0	0	6.26	9
401430235	2013	11	12	1	V	1.3	0	6.81	8
401430235	2013	11	12	2	V	1.6	0	7.18	7
401430235	2013	11	12	3	V	1.0	0	6.87	6
401430235	2013	11	12	4	V	1.6	0	7.01	5
401430235	2013	11	12	5	V	1.8	0	7.09	9
401430235	2013	11	12	6	V	1.5	0	6.3	9
401430235	2013	11	12	7	V	1.6	0	5.22	9
401430235	2013	11	12	8	V	2.7	0	5.77	10
401430235	2013	11	12	9	V	1.5	0	6.62	16
401430235	2013	11	12	10	V	1.5	0	6.53	18
401430235	2013	11	12	11	V	2.7	0	5.44	8
401430235	2013	11	12	12	V	2.7	0	6.3	19
401430235	2013	11	12	13	V	5.3	-999	6.28	15
401430235	2013	11	12	14	V	2.9	-999	6.06	12
401430235	2013	11	12	15	V	2.2	-999	5.65	20
401430235	2013	11	12	16	V	2.9	-999	4.78	18
401430235	2013	11	12	17	V	4.3	-999	3.71	12
401430235	2013	11	12	18	V	4.1	0	3.1	9
401430235	2013	11	12	19	V	2.2	0	2.25	5
401430235	2013	11	12	20	V	2.6	0	1.91	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	12	21	C	-999	0	0	0
401430235	2013	11	12	22	C	-999	0	0	0
401430235	2013	11	12	23	C	-999	0	0	0
401430235	2013	11	12	24	C	-999	0	0	0
401430235	2013	11	13	1	V	1.8	0	0.62	239
401430235	2013	11	13	2	V	4.7	0	0.55	290
401430235	2013	11	13	3	V	1.3	0	0.8	242
401430235	2013	11	13	4	V	2.3	0	0.58	255
401430235	2013	11	13	5	V	2.1	1	0.82	225
401430235	2013	11	13	6	V	2.0	1	0.8	212
401430235	2013	11	13	7	V	2.1	2	0.8	207
401430235	2013	11	13	8	V	3.1	2	0.72	248
401430235	2013	11	13	9	V	2.3	0	1.13	199
401430235	2013	11	13	10	V	1.8	0	2.35	191
401430235	2013	11	13	11	V	2.8	0	4.76	193
401430235	2013	11	13	12	V	2.8	0	5.73	198
401430235	2013	11	13	13	V	5.4	0	5.26	185
401430235	2013	11	13	14	V	3.0	0	5.11	196
401430235	2013	11	13	15	V	2.3	0	4.78	199
401430235	2013	11	13	16	V	3.0	0	5.09	198
401430235	2013	11	13	17	V	4.3	0	4.48	195
401430235	2013	11	13	18	V	4.1	0	3.39	192
401430235	2013	11	13	19	V	2.3	0	2.35	200
401430235	2013	11	13	20	V	2.6	0	2.49	190
401430235	2013	11	13	21	V	2.1	0	2.79	191
401430235	2013	11	13	22	V	2.3	0	2.3	199
401430235	2013	11	13	23	V	2.4	0	2.06	193
401430235	2013	11	13	24	V	2.1	0	1.47	186
401430235	2013	11	14	1	V	1.4	0	1.59	191
401430235	2013	11	14	2	V	1.6	0	2.15	188
401430235	2013	11	14	3	V	1.0	0	2.64	193
401430235	2013	11	14	4	V	1.5	0	3.12	188
401430235	2013	11	14	5	V	1.8	0	3.51	189
401430235	2013	11	14	6	V	1.5	0	2.79	172
401430235	2013	11	14	7	V	1.5	0	2.04	155
401430235	2013	11	14	8	V	2.8	0	1.52	155
401430235	2013	11	14	9	V	1.7	0	3.76	177
401430235	2013	11	14	10	V	1.6	1	6.21	188
401430235	2013	11	14	11	V	2.8	2	7.11	184
401430235	2013	11	14	12	V	2.8	2	6.62	181
401430235	2013	11	14	13	V	5.4	1	6.7	183
401430235	2013	11	14	14	V	3.0	-999	7.01	183
401430235	2013	11	14	15	V	2.4	-999	5.56	178
401430235	2013	11	14	16	V	3.0	-999	5.97	174
401430235	2013	11	14	17	V	4.2	1	5.43	170
401430235	2013	11	14	18	V	4.1	2	5.82	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	14	19	V	2.3	2	4.85	173
401430235	2013	11	14	20	V	2.6	1	4.99	169
401430235	2013	11	14	21	V	2.1	1	4.65	185
401430235	2013	11	14	22	V	2.3	1	2.57	176
401430235	2013	11	14	23	V	2.4	1	2.66	160
401430235	2013	11	14	24	V	2.0	1	1.86	164
401430235	2013	11	15	1	V	1.5	1	1.33	185
401430235	2013	11	15	2	V	1.6	1	1.99	168
401430235	2013	11	15	3	V	1.3	1	1.45	169
401430235	2013	11	15	4	V	1.7	1	1.65	166
401430235	2013	11	15	5	V	1.8	1	2.33	161
401430235	2013	11	15	6	V	1.5	1	2.69	164
401430235	2013	11	15	7	V	1.5	1	2.56	167
401430235	2013	11	15	8	V	2.7	1	2.61	169
401430235	2013	11	15	9	V	1.7	1	3.66	168
401430235	2013	11	15	10	V	1.6	2	4.22	170
401430235	2013	11	15	11	V	2.8	2	5.43	181
401430235	2013	11	15	12	V	2.8	2	5.82	182
401430235	2013	11	15	13	V	5.4	1	5.82	189
401430235	2013	11	15	14	V	3.1	2	5.5	189
401430235	2013	11	15	15	V	2.4	2	5.34	179
401430235	2013	11	15	16	V	3.0	1	5.45	173
401430235	2013	11	15	17	V	4.2	1	4.49	164
401430235	2013	11	15	18	V	4.0	1	4.51	170
401430235	2013	11	15	19	V	2.2	1	3.51	160
401430235	2013	11	15	20	V	2.6	2	4.42	158
401430235	2013	11	15	21	V	2.0	2	4.63	157
401430235	2013	11	15	22	V	2.2	1	4.51	162
401430235	2013	11	15	23	V	2.4	1	4.66	170
401430235	2013	11	15	24	V	1.9	1	3.97	162
401430235	2013	11	16	1	V	1.3	1	3.25	152
401430235	2013	11	16	2	V	1.6	1	3.73	158
401430235	2013	11	16	3	V	1.0	1	5.05	170
401430235	2013	11	16	4	V	1.5	1	5.39	173
401430235	2013	11	16	5	V	1.8	1	6.14	178
401430235	2013	11	16	6	V	1.5	1	5.07	174
401430235	2013	11	16	7	V	1.6	1	5.14	181
401430235	2013	11	16	8	V	2.8	1	7.16	186
401430235	2013	11	16	9	V	1.6	1	6.99	188
401430235	2013	11	16	10	V	1.6	1	7.42	188
401430235	2013	11	16	11	V	2.8	1	8.05	182
401430235	2013	11	16	12	V	2.8	1	8.62	188
401430235	2013	11	16	13	V	5.3	1	9.05	197
401430235	2013	11	16	14	V	3.0	1	9.36	197
401430235	2013	11	16	15	V	2.3	1	9.13	197
401430235	2013	11	16	16	V	3.0	1	8.05	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	16	17	V	4.4	1	7.01	185
401430235	2013	11	16	18	V	4.2	1	7.13	185
401430235	2013	11	16	19	V	2.4	1	7.42	183
401430235	2013	11	16	20	V	2.7	1	6.87	180
401430235	2013	11	16	21	V	2.1	1	6.21	179
401430235	2013	11	16	22	V	2.4	1	6.97	188
401430235	2013	11	16	23	V	2.5	1	8.23	191
401430235	2013	11	16	24	V	2.1	1	8.27	194
401430235	2013	11	17	1	V	1.4	1	7.09	197
401430235	2013	11	17	2	V	1.7	1	7.3	197
401430235	2013	11	17	3	V	1.1	1	6.77	199
401430235	2013	11	17	4	V	1.6	1	5.96	200
401430235	2013	11	17	5	V	1.8	1	5.45	200
401430235	2013	11	17	6	V	1.6	1	6.07	206
401430235	2013	11	17	7	V	1.7	0	5.87	218
401430235	2013	11	17	8	V	2.8	1	4.71	233
401430235	2013	11	17	9	V	1.5	0	4.51	264
401430235	2013	11	17	10	V	1.8	1	4.6	293
401430235	2013	11	17	11	V	4.0	1	4.51	336
401430235	2013	11	17	12	V	3.4	2	3.57	343
401430235	2013	11	17	13	V	6.6	1	3.22	338
401430235	2013	11	17	14	V	5.2	1	3.57	307
401430235	2013	11	17	15	V	5.5	1	3.74	320
401430235	2013	11	17	16	V	6.6	1	3.69	321
401430235	2013	11	17	17	V	12.1	4	3.34	328
401430235	2013	11	17	18	V	6.4	1	2.3	337
401430235	2013	11	17	19	V	11.0	7	1.81	328
401430235	2013	11	17	20	V	7.2	2	1.74	335
401430235	2013	11	17	21	V	2.3	1	0.94	277
401430235	2013	11	17	22	V	17.4	4	1.43	313
401430235	2013	11	17	23	V	4.3	0	1.3	299
401430235	2013	11	17	24	V	2.1	0	0.99	255
401430235	2013	11	18	1	V	1.3	0	1.77	246
401430235	2013	11	18	2	V	1.8	0	0.94	270
401430235	2013	11	18	3	V	4.4	0	0.57	345
401430235	2013	11	18	4	V	2.3	1	0.62	276
401430235	2013	11	18	5	V	1.9	0	1.04	243
401430235	2013	11	18	6	V	1.6	1	1.06	8
401430235	2013	11	18	7	V	1.7	1	0.96	14
401430235	2013	11	18	8	V	2.7	1	2.56	17
401430235	2013	11	18	9	V	1.6	0	3.1	22
401430235	2013	11	18	10	V	6.1	0	3.42	39
401430235	2013	11	18	11	V	6.9	0	3.29	44
401430235	2013	11	18	12	V	3.4	0	3.76	52
401430235	2013	11	18	13	V	5.3	0	3.98	62
401430235	2013	11	18	14	V	4.4	0	4.29	48

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	18	15	V	2.3	0	4.26	64
401430235	2013	11	18	16	V	2.9	0	3.69	70
401430235	2013	11	18	17	V	4.2	0	2.67	58
401430235	2013	11	18	18	V	4.1	0	1.57	25
401430235	2013	11	18	19	V	2.3	0	1.6	22
401430235	2013	11	18	20	V	2.6	0	1.99	23
401430235	2013	11	18	21	V	2.1	0	1.74	20
401430235	2013	11	18	22	V	6.3	0	1.31	37
401430235	2013	11	18	23	V	2.4	0	1.4	85
401430235	2013	11	18	24	V	1.9	0	1.79	119
401430235	2013	11	19	1	V	1.9	0	0.63	87
401430235	2013	11	19	2	V	2.3	0	0.77	50
401430235	2013	11	19	3	V	1.7	0	0.79	192
401430235	2013	11	19	4	V	1.5	0	2.38	134
401430235	2013	11	19	5	V	1.7	0	3.44	129
401430235	2013	11	19	6	V	1.5	0	3	139
401430235	2013	11	19	7	V	1.5	0	2.23	141
401430235	2013	11	19	8	V	2.7	0	2.4	153
401430235	2013	11	19	9	V	1.5	0	4.15	146
401430235	2013	11	19	10	V	1.5	0	4.41	161
401430235	2013	11	19	11	V	2.8	0	4.54	163
401430235	2013	11	19	12	V	2.8	0	4.7	165
401430235	2013	11	19	13	V	5.3	0	5.12	160
401430235	2013	11	19	14	V	2.9	0	5.12	153
401430235	2013	11	19	15	V	2.2	0	4.73	146
401430235	2013	11	19	16	V	2.9	0	4.85	153
401430235	2013	11	19	17	V	4.2	0	4.02	146
401430235	2013	11	19	18	V	4.0	0	3.8	137
401430235	2013	11	19	19	V	2.3	0	4.2	144
401430235	2013	11	19	20	V	2.6	0	4.92	156
401430235	2013	11	19	21	V	2.1	0	5.16	159
401430235	2013	11	19	22	V	2.3	0	4.24	153
401430235	2013	11	19	23	V	2.4	0	4.63	158
401430235	2013	11	19	24	V	1.9	0	4.07	160
401430235	2013	11	20	1	V	1.3	0	3.95	160
401430235	2013	11	20	2	V	1.5	0	4.19	148
401430235	2013	11	20	3	V	1.0	0	4.39	156
401430235	2013	11	20	4	V	1.5	0	4.02	161
401430235	2013	11	20	5	V	1.7	0	3.85	157
401430235	2013	11	20	6	V	1.5	0	3.85	161
401430235	2013	11	20	7	V	1.5	0	3.85	158
401430235	2013	11	20	8	V	2.7	0	4.19	161
401430235	2013	11	20	9	V	1.6	0	5.6	169
401430235	2013	11	20	10	V	1.5	0	7.23	175
401430235	2013	11	20	11	V	2.7	0	7.79	177
401430235	2013	11	20	12	V	2.8	0	7.45	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	20	13	V	5.4	0	6.13	177
401430235	2013	11	20	14	V	3.0	0	5.8	175
401430235	2013	11	20	15	V	2.4	-999	3.29	173
401430235	2013	11	20	16	V	3.0	-999	2.44	185
401430235	2013	11	20	17	V	4.3	0	2.89	201
401430235	2013	11	20	18	V	4.1	0	2.95	192
401430235	2013	11	20	19	V	2.3	0	3.12	173
401430235	2013	11	20	20	V	2.6	0	3.42	176
401430235	2013	11	20	21	V	2.1	0	3.76	168
401430235	2013	11	20	22	V	2.3	0	4.49	168
401430235	2013	11	20	23	V	2.4	0	4.94	175
401430235	2013	11	20	24	V	2.0	0	5.43	180
401430235	2013	11	21	1	V	1.2	0	3.46	162
401430235	2013	11	21	2	V	1.6	0	4.9	170
401430235	2013	11	21	3	V	1.0	0	5.34	167
401430235	2013	11	21	4	V	1.5	0	4.41	163
401430235	2013	11	21	5	V	1.8	0	3.85	164
401430235	2013	11	21	6	V	1.5	0	3.15	166
401430235	2013	11	21	7	V	1.6	0	2.35	163
401430235	2013	11	21	8	V	2.7	0	2.15	155
401430235	2013	11	21	9	V	4.9	0	2.06	45
401430235	2013	11	21	10	V	1.6	0	2.47	104
401430235	2013	11	21	11	V	2.7	0	2.2	97
401430235	2013	11	21	12	V	2.8	0	2.25	116
401430235	2013	11	21	13	V	5.4	0	2.04	106
401430235	2013	11	21	14	V	3.1	0	1.82	84
401430235	2013	11	21	15	V	2.3	0	2.32	8
401430235	2013	11	21	16	V	2.9	-999	3.39	5
401430235	2013	11	21	17	V	4.3	0	3.88	7
401430235	2013	11	21	18	V	5.3	-999	4.65	346
401430235	2013	11	21	19	V	3.8	-999	4.29	344
401430235	2013	11	21	20	V	4.1	-999	5.09	345
401430235	2013	11	21	21	V	3.8	-999	5.34	344
401430235	2013	11	21	22	V	4.0	-999	5.1	344
401430235	2013	11	21	23	V	3.4	-999	4.97	347
401430235	2013	11	21	24	V	2.3	-999	5.14	352
401430235	2013	11	22	1	V	1.8	-999	5.8	351
401430235	2013	11	22	2	V	2.3	-999	5.22	349
401430235	2013	11	22	3	V	1.7	-999	5.55	349
401430235	2013	11	22	4	V	1.6	-999	5.82	358
401430235	2013	11	22	5	V	1.9	-999	5.6	357
401430235	2013	11	22	6	V	1.7	-999	5.24	355
401430235	2013	11	22	7	V	1.8	-999	5.41	354
401430235	2013	11	22	8	V	2.8	-999	5.33	358
401430235	2013	11	22	9	V	1.6	-999	5.36	5
401430235	2013	11	22	10	V	1.5	-999	5.92	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	22	11	V	2.7	-999	5.33	360
401430235	2013	11	22	12	V	2.7	-999	5.8	6
401430235	2013	11	22	13	V	5.3	-999	5	360
401430235	2013	11	22	14	V	3.0	-999	4.12	350
401430235	2013	11	22	15	V	2.2	-999	4.53	2
401430235	2013	11	22	16	V	2.9	-999	5.41	7
401430235	2013	11	22	17	V	4.3	-999	5.67	5
401430235	2013	11	22	18	V	4.1	-999	4.87	6
401430235	2013	11	22	19	V	2.3	-999	4.02	3
401430235	2013	11	22	20	V	2.6	-999	4.17	5
401430235	2013	11	22	21	V	2.1	-999	4.09	5
401430235	2013	11	22	22	V	2.3	-999	4.36	3
401430235	2013	11	22	23	V	2.4	-999	3.97	360
401430235	2013	11	22	24	V	2.0	-999	4.41	360
401430235	2013	11	23	1	V	1.3	-999	4.8	6
401430235	2013	11	23	2	V	1.6	-999	4.75	8
401430235	2013	11	23	3	V	1.0	-999	4.2	7
401430235	2013	11	23	4	V	1.6	-999	4.22	9
401430235	2013	11	23	5	V	1.8	-999	4.27	8
401430235	2013	11	23	6	V	1.5	-999	4.82	9
401430235	2013	11	23	7	V	1.6	-999	4.75	11
401430235	2013	11	23	8	V	2.7	-999	4.6	10
401430235	2013	11	23	9	V	1.6	-999	4.8	14
401430235	2013	11	23	10	V	1.5	0	5.56	19
401430235	2013	11	23	11	V	2.7	-999	5.89	21
401430235	2013	11	23	12	V	2.7	-999	5.89	21
401430235	2013	11	23	13	V	5.3	-999	6.12	20
401430235	2013	11	23	14	V	2.9	-999	6.77	24
401430235	2013	11	23	15	V	2.2	-999	6.28	19
401430235	2013	11	23	16	V	2.9	-999	5.99	22
401430235	2013	11	23	17	V	4.3	-999	4.07	16
401430235	2013	11	23	18	V	4.1	-999	4.53	13
401430235	2013	11	23	19	V	2.3	-999	6.74	16
401430235	2013	11	23	20	V	2.6	-999	5.5	17
401430235	2013	11	23	21	V	2.1	-999	5.26	18
401430235	2013	11	23	22	V	2.3	-999	5.16	22
401430235	2013	11	23	23	V	2.4	-999	5.33	27
401430235	2013	11	23	24	V	2.3	-999	5.92	32
401430235	2013	11	24	1	V	1.3	-999	4.95	27
401430235	2013	11	24	2	V	1.6	-999	5.24	29
401430235	2013	11	24	3	V	1.0	-999	4.75	29
401430235	2013	11	24	4	V	1.6	-999	5.51	29
401430235	2013	11	24	5	V	1.8	-999	5.17	27
401430235	2013	11	24	6	V	1.5	-999	4.1	20
401430235	2013	11	24	7	V	1.5	-999	3.83	19
401430235	2013	11	24	8	V	2.7	-999	3.73	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	24	9	V	1.5	-999	2.93	27
401430235	2013	11	24	10	V	1.5	-999	2.59	50
401430235	2013	11	24	11	V	2.8	-999	2.06	36
401430235	2013	11	24	12	V	2.8	-999	3.34	35
401430235	2013	11	24	13	V	5.3	-999	2.5	27
401430235	2013	11	24	14	V	3.0	-999	2.13	55
401430235	2013	11	24	15	V	2.3	0	1.64	71
401430235	2013	11	24	16	V	3.0	0	0.82	163
401430235	2013	11	24	17	V	4.3	0	1.08	19
401430235	2013	11	24	18	V	4.1	0	1.38	70
401430235	2013	11	24	19	V	2.3	0	2.42	104
401430235	2013	11	24	20	V	2.6	0	2.32	119
401430235	2013	11	24	21	V	2.1	0	2.59	135
401430235	2013	11	24	22	V	2.3	0	2.81	133
401430235	2013	11	24	23	V	2.4	0	3.24	136
401430235	2013	11	24	24	V	2.0	0	3.34	172
401430235	2013	11	25	1	V	1.3	-999	3.1	170
401430235	2013	11	25	2	V	1.6	-999	3.01	175
401430235	2013	11	25	3	V	1.0	-999	3.06	172
401430235	2013	11	25	4	V	1.6	-999	2.96	169
401430235	2013	11	25	5	V	1.8	-999	2.55	168
401430235	2013	11	25	6	V	1.5	-999	2.37	164
401430235	2013	11	25	7	V	1.5	-999	2.32	164
401430235	2013	11	25	8	V	2.7	-999	2.57	161
401430235	2013	11	25	9	V	1.7	-999	2.83	163
401430235	2013	11	25	10	V	1.7	-999	2.67	174
401430235	2013	11	25	11	V	2.8	-999	2.13	191
401430235	2013	11	25	12	V	2.9	-999	1.77	198
401430235	2013	11	25	13	V	5.6	-999	1.33	185
401430235	2013	11	25	14	V	3.2	-999	1.3	198
401430235	2013	11	25	15	V	2.7	-999	0.84	218
401430235	2013	11	25	16	V	3.2	-999	1.03	214
401430235	2013	11	25	17	V	4.7	-999	0.52	142
401430235	2013	11	25	18	V	15.4	0	0.8	331
401430235	2013	11	25	19	V	10.2	-999	1.65	331
401430235	2013	11	25	20	V	11.2	-999	1.94	328
401430235	2013	11	25	21	V	4.2	0	1.98	340
401430235	2013	11	25	22	V	10.3	0	1.43	332
401430235	2013	11	25	23	V	11.9	1	1.59	327
401430235	2013	11	25	24	V	11.1	1	1.31	307
401430235	2013	11	26	1	V	13.6	0	1.76	317
401430235	2013	11	26	2	V	11.0	1	1.88	326
401430235	2013	11	26	3	V	3.9	0	2.13	339
401430235	2013	11	26	4	V	15.6	0	1.25	311
401430235	2013	11	26	5	V	11.3	0	1.45	330
401430235	2013	11	26	6	V	13.5	-999	1.33	324

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	26	7	V	5.9	-999	1.06	301
401430235	2013	11	26	8	V	17.6	-999	1.3	312
401430235	2013	11	26	9	V	2.2	-999	2.54	345
401430235	2013	11	26	10	V	1.5	-999	5	5
401430235	2013	11	26	11	V	2.7	-999	4.94	8
401430235	2013	11	26	12	V	2.7	-999	5.9	6
401430235	2013	11	26	13	V	5.3	-999	6.36	8
401430235	2013	11	26	14	V	2.9	-999	6.19	8
401430235	2013	11	26	15	V	2.4	-999	5.51	350
401430235	2013	11	26	16	V	2.9	-999	5.85	357
401430235	2013	11	26	17	V	4.3	-999	6.26	359
401430235	2013	11	26	18	V	4.2	-999	5.96	357
401430235	2013	11	26	19	V	2.9	-999	3.39	345
401430235	2013	11	26	20	V	4.9	-999	3.01	338
401430235	2013	11	26	21	V	9.4	0	2.66	328
401430235	2013	11	26	22	V	10.9	0	2.4	321
401430235	2013	11	26	23	V	2.9	-999	4.17	348
401430235	2013	11	26	24	V	2.0	-999	4.2	357
401430235	2013	11	27	1	V	1.3	-999	5.51	7
401430235	2013	11	27	2	V	1.6	-999	5.14	6
401430235	2013	11	27	3	V	1.0	-999	3.78	355
401430235	2013	11	27	4	V	1.7	-999	3.64	352
401430235	2013	11	27	5	V	3.2	-999	2.83	341
401430235	2013	11	27	6	V	2.1	-999	2.74	344
401430235	2013	11	27	7	V	12.2	-999	1.48	324
401430235	2013	11	27	8	V	2.7	-999	2.16	359
401430235	2013	11	27	9	V	1.6	-999	3.52	16
401430235	2013	11	27	10	V	1.5	-999	3.32	21
401430235	2013	11	27	11	V	6.8	-999	3.05	39
401430235	2013	11	27	12	V	6.1	-999	2.54	42
401430235	2013	11	27	13	V	8.7	-999	2.84	38
401430235	2013	11	27	14	V	3.1	-999	2.38	67
401430235	2013	11	27	15	V	2.4	-999	1.81	95
401430235	2013	11	27	16	V	3.1	0	1.3	147
401430235	2013	11	27	17	V	4.3	0	1.59	139
401430235	2013	11	27	18	V	4.2	-999	1.81	165
401430235	2013	11	27	19	V	2.6	-999	0.97	205
401430235	2013	11	27	20	V	2.7	-999	1.33	201
401430235	2013	11	27	21	V	2.1	-999	1.47	206
401430235	2013	11	27	22	V	2.6	0	0.99	209
401430235	2013	11	27	23	V	2.8	0	1.14	213
401430235	2013	11	27	24	V	2.6	0	0.82	181
401430235	2013	11	28	1	V	1.4	-999	1.62	182
401430235	2013	11	28	2	V	1.9	-999	1.25	178
401430235	2013	11	28	3	V	1.2	-999	1.48	183
401430235	2013	11	28	4	V	1.8	-999	1.42	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	28	5	V	2.1	-999	1.33	174
401430235	2013	11	28	6	V	1.6	-999	1.77	167
401430235	2013	11	28	7	V	1.5	-999	2.38	172
401430235	2013	11	28	8	V	2.7	-999	2.5	178
401430235	2013	11	28	9	V	1.7	-999	3.81	189
401430235	2013	11	28	10	V	1.6	-999	3.92	187
401430235	2013	11	28	11	V	2.8	-999	3.73	184
401430235	2013	11	28	12	V	2.8	-999	3.69	214
401430235	2013	11	28	13	V	6.0	0	1.33	165
401430235	2013	11	28	14	V	3.1	0	1.96	240
401430235	2013	11	28	15	V	2.3	0	2.64	228
401430235	2013	11	28	16	V	3.0	0	2.91	223
401430235	2013	11	28	17	V	4.6	-999	0.72	218
401430235	2013	11	28	18	V	4.7	0	0.53	23
401430235	2013	11	28	19	V	2.4	0	1.6	187
401430235	2013	11	28	20	V	3.0	-999	1.01	193
401430235	2013	11	28	21	V	2.4	-999	1.09	197
401430235	2013	11	28	22	V	2.4	-999	1.59	187
401430235	2013	11	28	23	V	3.4	-999	0.65	190
401430235	2013	11	28	24	V	3.6	-999	0.63	350
401430235	2013	11	29	1	V	13.5	-999	0.58	310
401430235	2013	11	29	2	V	2.5	-999	0.58	276
401430235	2013	11	29	3	C	-999	-999	0	0
401430235	2013	11	29	4	V	2.0	-999	0.65	237
401430235	2013	11	29	5	V	2.5	0	0.67	215
401430235	2013	11	29	6	V	2.1	0	0.65	227
401430235	2013	11	29	7	V	1.8	0	0.8	229
401430235	2013	11	29	8	V	3.4	0	0.7	208
401430235	2013	11	29	9	V	3.3	0	0.55	205
401430235	2013	11	29	10	V	2.7	0	1.04	192
401430235	2013	11	29	11	V	2.9	0	2.81	169
401430235	2013	11	29	12	V	2.8	1	3.51	162
401430235	2013	11	29	13	V	5.4	0	3.98	164
401430235	2013	11	29	14	V	3.0	0	4.39	164
401430235	2013	11	29	15	V	2.3	0	5.12	167
401430235	2013	11	29	16	V	3.0	0	5.36	168
401430235	2013	11	29	17	V	4.2	0	4.22	159
401430235	2013	11	29	18	V	4.0	0	2.83	156
401430235	2013	11	29	19	V	2.2	0	2.84	169
401430235	2013	11	29	20	V	2.6	0	3.88	172
401430235	2013	11	29	21	V	2.0	0	3.76	175
401430235	2013	11	29	22	V	2.2	0	3.71	176
401430235	2013	11	29	23	V	2.4	0	2.42	170
401430235	2013	11	29	24	V	2.0	0	2.15	165
401430235	2013	11	30	1	V	1.3	0	2.33	165
401430235	2013	11	30	2	V	1.6	0	2.28	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	11	30	3	V	1.0	0	2.64	166
401430235	2013	11	30	4	V	1.6	0	1.76	158
401430235	2013	11	30	5	V	1.8	0	1.5	151
401430235	2013	11	30	6	V	1.5	0	1.96	163
401430235	2013	11	30	7	V	2.0	0	1.08	174
401430235	2013	11	30	8	V	3.0	0	1.25	190
401430235	2013	11	30	9	V	1.7	0	2.84	180
401430235	2013	11	30	10	V	1.6	0	5.16	194
401430235	2013	11	30	11	V	2.8	0	5.04	193
401430235	2013	11	30	12	V	2.8	0	4.85	195
401430235	2013	11	30	13	V	5.4	0	5.48	194
401430235	2013	11	30	14	V	3.1	0	5.26	194
401430235	2013	11	30	15	V	2.4	0	4.82	195
401430235	2013	11	30	16	V	3.0	0	5.41	191
401430235	2013	11	30	17	V	4.3	0	3.56	193
401430235	2013	11	30	18	V	4.2	0	1.47	207
401430235	2013	11	30	19	V	2.8	0	1.14	214
401430235	2013	11	30	20	V	3.0	0	1.28	220
401430235	2013	11	30	21	V	2.4	0	0.77	256
401430235	2013	11	30	22	C	-999	0	0	0
401430235	2013	11	30	23	C	-999	-999	0	0
401430235	2013	11	30	24	C	-999	0	0	0
401430235	2013	12	1	1	C	-999	0	0	0
401430235	2013	12	1	2	C	-999	0	0	0
401430235	2013	12	1	3	C	-999	0	0	0
401430235	2013	12	1	4	V	2.6	0	0.65	240
401430235	2013	12	1	5	C	-999	0	0	0
401430235	2013	12	1	6	V	3.0	0	0.53	255
401430235	2013	12	1	7	C	-999	0	0	0
401430235	2013	12	1	8	V	3.4	0	0.55	229
401430235	2013	12	1	9	V	3.4	0	0.51	195
401430235	2013	12	1	10	C	-999	0	0	0
401430235	2013	12	1	11	V	4.9	0	0.6	71
401430235	2013	12	1	12	V	5.9	0	1.14	90
401430235	2013	12	1	13	V	7.1	0	1.11	182
401430235	2013	12	1	14	V	6.2	0	0.57	204
401430235	2013	12	1	15	V	6.3	0	0.69	342
401430235	2013	12	1	16	V	3.4	-999	1.42	12
401430235	2013	12	1	17	V	3.5	-999	1.04	2
401430235	2013	12	1	18	V	13.3	0	0.65	334
401430235	2013	12	1	19	V	3.5	-999	1.06	346
401430235	2013	12	1	20	V	2.4	0	1.6	7
401430235	2013	12	1	21	V	2.6	-999	1.64	10
401430235	2013	12	1	22	V	3.0	-999	1.13	348
401430235	2013	12	1	23	V	9.3	0	0.77	299
401430235	2013	12	1	24	V	13.6	0	0.79	306

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	2	1	V	2.5	0	1.14	350
401430235	2013	12	2	2	V	2.5	-999	1.08	360
401430235	2013	12	2	3	V	2.0	-999	1.26	28
401430235	2013	12	2	4	V	2.4	-999	0.74	21
401430235	2013	12	2	5	V	2.8	-999	0.65	21
401430235	2013	12	2	6	V	2.9	-999	0.55	50
401430235	2013	12	2	7	V	2.5	-999	0.62	203
401430235	2013	12	2	8	V	2.8	0	1.18	219
401430235	2013	12	2	9	V	2.2	0	1.81	185
401430235	2013	12	2	10	V	3.1	-999	2.74	191
401430235	2013	12	2	11	V	3.0	0	3.29	211
401430235	2013	12	2	12	V	5.6	0	2.69	222
401430235	2013	12	2	13	V	6.5	0	2.45	201
401430235	2013	12	2	14	V	3.1	0	2.83	180
401430235	2013	12	2	15	V	2.0	0	3.12	181
401430235	2013	12	2	16	V	3.3	0	2.23	176
401430235	2013	12	2	17	V	3.4	0	1.82	177
401430235	2013	12	2	18	V	4.5	0	1.59	164
401430235	2013	12	2	19	V	3.0	0	1.65	197
401430235	2013	12	2	20	V	2.5	0	1.59	176
401430235	2013	12	2	21	V	3.0	0	0.8	241
401430235	2013	12	2	22	C	-999	0	0	0
401430235	2013	12	2	23	C	-999	0	0	0
401430235	2013	12	2	24	V	3.4	0	1.38	186
401430235	2013	12	3	1	V	2.3	0	2.06	180
401430235	2013	12	3	2	V	2.4	0	2.28	166
401430235	2013	12	3	3	V	1.9	-999	2.1	160
401430235	2013	12	3	4	V	1.9	-999	2.67	177
401430235	2013	12	3	5	V	2.1	0	2.71	187
401430235	2013	12	3	6	V	2.0	0	2.05	174
401430235	2013	12	3	7	V	1.7	0	2.52	169
401430235	2013	12	3	8	V	2.5	0	1.91	168
401430235	2013	12	3	9	V	2.1	0	2.83	168
401430235	2013	12	3	10	V	3.1	0	2.84	170
401430235	2013	12	3	11	V	3.1	0	2.08	175
401430235	2013	12	3	12	V	5.6	-999	2.59	172
401430235	2013	12	3	13	V	6.2	-999	3.57	136
401430235	2013	12	3	14	V	2.9	0	3.76	115
401430235	2013	12	3	15	V	1.9	0	3.59	107
401430235	2013	12	3	16	V	3.2	0	3.22	118
401430235	2013	12	3	17	V	3.4	0	1.59	103
401430235	2013	12	3	18	V	4.3	0	1.76	148
401430235	2013	12	3	19	V	3.0	-999	1.82	176
401430235	2013	12	3	20	V	2.4	0	3.86	158
401430235	2013	12	3	21	V	2.6	0	3.37	171
401430235	2013	12	3	22	V	2.7	-999	2.3	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	3	23	V	3.7	-999	2.1	180
401430235	2013	12	3	24	V	3.2	-999	2.96	180
401430235	2013	12	4	1	V	2.6	-999	1.33	169
401430235	2013	12	4	2	C	-999	0	0	0
401430235	2013	12	4	3	V	2.1	0	1.52	167
401430235	2013	12	4	4	V	2.0	-999	1.93	167
401430235	2013	12	4	5	V	2.1	-999	2.28	180
401430235	2013	12	4	6	V	2.6	-999	1.43	215
401430235	2013	12	4	7	V	1.7	0	1.5	202
401430235	2013	12	4	8	V	2.5	0	1.2	245
401430235	2013	12	4	9	V	2.1	0	3.52	285
401430235	2013	12	4	10	V	3.1	0	3.56	287
401430235	2013	12	4	11	V	3.2	-999	3.76	293
401430235	2013	12	4	12	V	6.4	-999	3.75	299
401430235	2013	12	4	13	V	6.3	-999	3.51	284
401430235	2013	12	4	14	V	5.0	-999	3.63	304
401430235	2013	12	4	15	V	4.0	-999	3.32	303
401430235	2013	12	4	16	V	8.4	-999	3.15	317
401430235	2013	12	4	17	V	12.7	-999	3.4	315
401430235	2013	12	4	18	V	10.6	0	3.75	327
401430235	2013	12	4	19	V	7.3	0	3.35	334
401430235	2013	12	4	20	V	6.8	0	3.63	333
401430235	2013	12	4	21	V	2.6	0	3.75	352
401430235	2013	12	4	22	V	3.0	0	3.97	345
401430235	2013	12	4	23	V	4.7	0	3.92	340
401430235	2013	12	4	24	V	4.0	0	4.92	342
401430235	2013	12	5	1	V	2.5	0	5.04	347
401430235	2013	12	5	2	V	2.4	0	5.54	356
401430235	2013	12	5	3	V	1.9	0	5.96	354
401430235	2013	12	5	4	V	1.9	0	5.36	351
401430235	2013	12	5	5	V	2.1	0	6.46	358
401430235	2013	12	5	6	V	2.0	0	4.36	3
401430235	2013	12	5	7	V	1.6	0	4.86	352
401430235	2013	12	5	8	V	2.4	0	4.36	5
401430235	2013	12	5	9	V	2.0	0	4.86	12
401430235	2013	12	5	10	V	2.9	0	6.96	7
401430235	2013	12	5	11	V	2.8	0	5.23	360
401430235	2013	12	5	12	V	5.3	0	4.51	1
401430235	2013	12	5	13	V	6.2	0	5	8
401430235	2013	12	5	14	V	2.8	0	3.86	356
401430235	2013	12	5	15	V	1.8	0	4.32	14
401430235	2013	12	5	16	V	3.1	0	3.97	20
401430235	2013	12	5	17	V	3.3	0	4.31	19
401430235	2013	12	5	18	V	4.3	0	4.68	7
401430235	2013	12	5	19	V	2.9	0	4.61	5
401430235	2013	12	5	20	V	2.4	0	4.36	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	5	21	V	2.6	0	5.19	8
401430235	2013	12	5	22	V	2.7	0	4.88	6
401430235	2013	12	5	23	V	3.7	0	4.78	4
401430235	2013	12	5	24	V	3.2	0	4.85	6
401430235	2013	12	6	1	V	2.3	0	5.36	10
401430235	2013	12	6	2	V	2.4	0	5.04	6
401430235	2013	12	6	3	V	1.9	0	4.31	9
401430235	2013	12	6	4	V	1.9	0	4.44	8
401430235	2013	12	6	5	V	2.1	0	4.93	3
401430235	2013	12	6	6	V	2.0	0	5.17	10
401430235	2013	12	6	7	V	1.6	0	4.88	5
401430235	2013	12	6	8	V	2.4	0	5.43	12
401430235	2013	12	6	9	V	2.0	0	4.82	6
401430235	2013	12	6	10	V	2.9	0	4.92	3
401430235	2013	12	6	11	V	2.8	0	5.09	10
401430235	2013	12	6	12	V	5.3	0	5.48	11
401430235	2013	12	6	13	V	6.2	0	5.87	8
401430235	2013	12	6	14	V	2.8	0	5.21	7
401430235	2013	12	6	15	V	1.8	0	4.8	9
401430235	2013	12	6	16	V	3.1	0	4.82	8
401430235	2013	12	6	17	V	3.3	0	4.87	11
401430235	2013	12	6	18	V	4.3	0	4.44	10
401430235	2013	12	6	19	V	2.9	0	4.07	14
401430235	2013	12	6	20	V	2.4	0	4.25	21
401430235	2013	12	6	21	V	2.6	0	3.88	7
401430235	2013	12	6	22	V	2.7	0	4.44	5
401430235	2013	12	6	23	V	3.7	0	4.58	12
401430235	2013	12	6	24	V	3.2	0	5.11	23
401430235	2013	12	7	1	V	2.3	0	4.17	17
401430235	2013	12	7	2	V	2.4	0	3.81	10
401430235	2013	12	7	3	V	1.9	0	3.98	12
401430235	2013	12	7	4	V	1.9	0	4.73	18
401430235	2013	12	7	5	V	2.1	0	4.03	21
401430235	2013	12	7	6	V	2.0	0	4.31	16
401430235	2013	12	7	7	V	1.6	0	4.27	20
401430235	2013	12	7	8	V	2.4	0	4.14	23
401430235	2013	12	7	9	V	2.1	0	3.78	26
401430235	2013	12	7	10	V	7.2	0	4.15	37
401430235	2013	12	7	11	V	6.1	0	5.09	37
401430235	2013	12	7	12	V	6.6	0	4.66	33
401430235	2013	12	7	13	V	6.7	0	5.02	31
401430235	2013	12	7	14	V	3.2	1	5.51	31
401430235	2013	12	7	15	V	6.9	3	4.39	42
401430235	2013	12	7	16	V	5.8	0	3.18	45
401430235	2013	12	7	17	V	3.6	0	3.81	32
401430235	2013	12	7	18	V	4.7	0	4	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	7	19	V	2.9	0	4.39	25
401430235	2013	12	7	20	V	5.9	0	4.26	42
401430235	2013	12	7	21	V	2.6	0	4.95	54
401430235	2013	12	7	22	V	2.7	0	3.75	65
401430235	2013	12	7	23	V	3.7	1	2.76	73
401430235	2013	12	7	24	V	3.2	1	2.2	58
401430235	2013	12	8	1	V	2.3	1	2.06	53
401430235	2013	12	8	2	V	2.5	1	1.31	78
401430235	2013	12	8	3	V	2.0	0	1.16	64
401430235	2013	12	8	4	V	1.9	0	2.25	128
401430235	2013	12	8	5	V	2.1	0	2.4	121
401430235	2013	12	8	6	V	2.0	0	2.37	129
401430235	2013	12	8	7	V	1.6	0	2.74	140
401430235	2013	12	8	8	V	2.4	0	3.1	162
401430235	2013	12	8	9	V	2.1	0	2.71	169
401430235	2013	12	8	10	V	3.1	0	2.84	170
401430235	2013	12	8	11	V	3.0	0	3.29	169
401430235	2013	12	8	12	V	5.5	0	3.86	176
401430235	2013	12	8	13	V	6.3	0	4.8	195
401430235	2013	12	8	14	V	2.9	0	4.03	201
401430235	2013	12	8	15	V	1.9	0	3.58	210
401430235	2013	12	8	16	V	3.4	0	3.22	214
401430235	2013	12	8	17	V	3.4	0	2.61	236
401430235	2013	12	8	18	V	4.3	0	2.27	248
401430235	2013	12	8	19	V	3.0	0	1.71	272
401430235	2013	12	8	20	V	2.4	0	1.77	273
401430235	2013	12	8	21	V	2.8	0	1.16	252
401430235	2013	12	8	22	V	3.0	0	1.59	289
401430235	2013	12	8	23	V	17.8	0	1.38	319
401430235	2013	12	8	24	V	10.3	0	0.86	336
401430235	2013	12	9	1	V	2.6	0	0.92	1
401430235	2013	12	9	2	V	3.2	0	0.72	281
401430235	2013	12	9	3	V	6.4	0	0.7	296
401430235	2013	12	9	4	V	2.0	0	1.31	18
401430235	2013	12	9	5	V	2.1	0	2.47	352
401430235	2013	12	9	6	V	2.0	0	3.44	359
401430235	2013	12	9	7	V	1.6	0	3.58	357
401430235	2013	12	9	8	V	2.4	0	2.93	354
401430235	2013	12	9	9	V	2.0	0	4.32	1
401430235	2013	12	9	10	V	3.0	0	3.86	12
401430235	2013	12	9	11	V	2.9	0	3.86	20
401430235	2013	12	9	12	V	5.3	0	4.36	9
401430235	2013	12	9	13	V	9.3	0	5.96	41
401430235	2013	12	9	14	V	4.6	0	5.36	45
401430235	2013	12	9	15	V	1.8	0	4.36	15
401430235	2013	12	9	16	V	3.1	0	4.36	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	9	17	V	3.3	0	3.86	12
401430235	2013	12	9	18	V	4.3	0	3.36	4
401430235	2013	12	9	19	V	3.0	0	3.32	351
401430235	2013	12	9	20	V	2.4	0	2.45	348
401430235	2013	12	9	21	V	2.6	0	2.52	357
401430235	2013	12	9	22	V	3.5	0	2.44	341
401430235	2013	12	9	23	V	12.7	0	2.47	323
401430235	2013	12	9	24	V	10.8	0	2.18	328
401430235	2013	12	10	1	V	8.9	0	2.03	332
401430235	2013	12	10	2	V	17.0	0	1.33	311
401430235	2013	12	10	3	V	2.6	0	0.65	245
401430235	2013	12	10	4	V	2.1	0	0.96	263
401430235	2013	12	10	5	V	2.4	0	0.84	233
401430235	2013	12	10	6	V	2.0	0	1.6	230
401430235	2013	12	10	7	V	1.8	0	1.13	235
401430235	2013	12	10	8	V	2.5	0	1.33	240
401430235	2013	12	10	9	V	2.2	0	1.16	224
401430235	2013	12	10	10	V	3.3	0	2.05	195
401430235	2013	12	10	11	V	3.1	0	2.97	187
401430235	2013	12	10	12	V	5.8	1	2.16	173
401430235	2013	12	10	13	V	6.4	1	2.98	176
401430235	2013	12	10	14	V	3.0	1	3.69	184
401430235	2013	12	10	15	V	2.0	1	3.68	168
401430235	2013	12	10	16	V	3.2	1	3.37	161
401430235	2013	12	10	17	V	3.4	1	2.69	164
401430235	2013	12	10	18	V	4.6	1	1.38	194
401430235	2013	12	10	19	V	3.2	1	0.96	146
401430235	2013	12	10	20	V	2.9	1	1.09	168
401430235	2013	12	10	21	V	2.6	1	3.73	173
401430235	2013	12	10	22	V	2.7	1	3.68	181
401430235	2013	12	10	23	V	3.8	0	1.94	179
401430235	2013	12	10	24	V	3.2	0	2.93	177
401430235	2013	12	11	1	V	2.4	0	1.28	125
401430235	2013	12	11	2	V	2.8	0	1.08	184
401430235	2013	12	11	3	V	2.3	0	1.04	215
401430235	2013	12	11	4	V	2.1	1	0.97	249
401430235	2013	12	11	5	V	2.3	0	1.14	208
401430235	2013	12	11	6	V	2.5	0	0.7	238
401430235	2013	12	11	7	V	2.5	1	0.62	277
401430235	2013	12	11	8	V	16.6	3	0.87	313
401430235	2013	12	11	9	V	13.7	2	0.53	330
401430235	2013	12	11	10	V	2.9	1	4.48	12
401430235	2013	12	11	11	V	2.9	1	6.33	28
401430235	2013	12	11	12	V	5.3	3	6.07	24
401430235	2013	12	11	13	V	6.2	2	6.36	24
401430235	2013	12	11	14	V	2.8	1	6.43	25

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	11	15	V	1.8	1	5.27	23
401430235	2013	12	11	16	V	3.1	1	4.68	25
401430235	2013	12	11	17	V	3.6	1	4.46	33
401430235	2013	12	11	18	V	4.3	1	2.4	19
401430235	2013	12	11	19	V	3.0	1	1.64	1
401430235	2013	12	11	20	V	2.4	0	1.55	12
401430235	2013	12	11	21	V	2.6	0	2.11	14
401430235	2013	12	11	22	V	2.9	0	1.08	356
401430235	2013	12	11	23	V	4.8	0	0.72	351
401430235	2013	12	11	24	V	7.2	0	0.75	341
401430235	2013	12	12	1	C	-999	0	0	0
401430235	2013	12	12	2	V	3.4	0	0.67	353
401430235	2013	12	12	3	V	2.4	1	0.75	257
401430235	2013	12	12	4	V	2.3	2	0.82	245
401430235	2013	12	12	5	V	2.8	6	0.67	255
401430235	2013	12	12	6	V	13.6	3	0.58	330
401430235	2013	12	12	7	V	2.1	4	1.14	217
401430235	2013	12	12	8	V	2.9	3	1.25	217
401430235	2013	12	12	9	V	2.6	2	0.87	184
401430235	2013	12	12	10	V	3.3	2	1.86	190
401430235	2013	12	12	11	V	3.0	2	3.78	188
401430235	2013	12	12	12	V	5.5	2	5.14	193
401430235	2013	12	12	13	V	6.3	2	5.12	191
401430235	2013	12	12	14	V	3.0	2	4.63	188
401430235	2013	12	12	15	V	2.0	2	4.2	185
401430235	2013	12	12	16	V	3.3	1	3.71	185
401430235	2013	12	12	17	V	3.4	2	2.55	180
401430235	2013	12	12	18	V	4.4	2	2.03	187
401430235	2013	12	12	19	V	3.1	2	1.77	195
401430235	2013	12	12	20	V	2.4	2	2.49	191
401430235	2013	12	12	21	V	2.6	1	2.9	189
401430235	2013	12	12	22	V	2.7	1	3.15	179
401430235	2013	12	12	23	V	3.7	1	2.88	172
401430235	2013	12	12	24	V	3.2	1	2.86	167
401430235	2013	12	13	1	V	2.3	1	3.17	180
401430235	2013	12	13	2	V	2.4	2	2.91	183
401430235	2013	12	13	3	V	1.9	1	3.51	182
401430235	2013	12	13	4	V	1.9	1	2.86	169
401430235	2013	12	13	5	V	2.1	1	3.08	176
401430235	2013	12	13	6	V	2.0	2	2.83	169
401430235	2013	12	13	7	V	1.7	1	2.84	163
401430235	2013	12	13	8	V	2.4	1	4.15	168
401430235	2013	12	13	9	V	2.0	1	4.56	169
401430235	2013	12	13	10	V	3.0	1	4.9	175
401430235	2013	12	13	11	V	2.9	1	5.97	172
401430235	2013	12	13	12	V	5.4	1	5.58	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	13	13	V	6.2	1	6.63	172
401430235	2013	12	13	14	V	2.9	2	7.72	173
401430235	2013	12	13	15	V	1.9	2	7.09	175
401430235	2013	12	13	16	V	3.2	2	5.41	167
401430235	2013	12	13	17	V	3.4	2	4.37	168
401430235	2013	12	13	18	V	4.3	2	4.26	173
401430235	2013	12	13	19	V	3.0	1	3.3	189
401430235	2013	12	13	20	V	2.4	1	2.49	183
401430235	2013	12	13	21	V	2.7	1	1.57	155
401430235	2013	12	13	22	V	2.7	1	2.28	149
401430235	2013	12	13	23	V	3.8	1	1.72	130
401430235	2013	12	13	24	V	3.4	1	1.55	177
401430235	2013	12	14	1	V	3.8	1	0.53	173
401430235	2013	12	14	2	V	17.3	1	0.91	313
401430235	2013	12	14	3	V	16.4	1	1.25	321
401430235	2013	12	14	4	V	11.3	1	2.11	321
401430235	2013	12	14	5	V	2.8	1	4.17	343
401430235	2013	12	14	6	V	2.0	1	4.71	354
401430235	2013	12	14	7	V	1.8	1	4.27	347
401430235	2013	12	14	8	V	2.6	1	4.32	347
401430235	2013	12	14	9	V	3.3	2	4.88	341
401430235	2013	12	14	10	V	3.2	1	5	343
401430235	2013	12	14	11	V	3.5	1	5.11	340
401430235	2013	12	14	12	V	7.0	1	4.53	336
401430235	2013	12	14	13	V	7.4	2	4.29	338
401430235	2013	12	14	14	V	6.1	2	4.46	329
401430235	2013	12	14	15	V	4.4	2	4.22	332
401430235	2013	12	14	16	V	4.7	2	4.08	337
401430235	2013	12	14	17	V	6.8	1	2.98	335
401430235	2013	12	14	18	V	6.8	1	1.93	337
401430235	2013	12	14	19	V	3.5	2	0.69	266
401430235	2013	12	14	20	V	2.8	1	0.87	225
401430235	2013	12	14	21	V	3.7	1	0.53	255
401430235	2013	12	14	22	V	3.6	2	0.7	282
401430235	2013	12	14	23	V	12.8	2	0.52	303
401430235	2013	12	14	24	V	3.6	2	0.8	270
401430235	2013	12	15	1	V	3.2	6	0.65	201
401430235	2013	12	15	2	V	3.1	4	0.72	210
401430235	2013	12	15	3	C	-999	3	0	0
401430235	2013	12	15	4	V	2.2	3	0.89	232
401430235	2013	12	15	5	V	2.4	5	0.82	237
401430235	2013	12	15	6	V	3.3	2	0.55	191
401430235	2013	12	15	7	V	1.9	2	0.97	224
401430235	2013	12	15	8	V	2.8	1	1.3	213
401430235	2013	12	15	9	V	2.3	1	0.99	211
401430235	2013	12	15	10	V	3.5	1	1.35	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	15	11	V	3.2	1	2.35	178
401430235	2013	12	15	12	V	5.6	1	2.67	186
401430235	2013	12	15	13	V	6.3	2	3.32	200
401430235	2013	12	15	14	V	2.9	1	4.48	220
401430235	2013	12	15	15	V	1.9	1	4.24	223
401430235	2013	12	15	16	V	3.2	1	4.27	215
401430235	2013	12	15	17	V	3.4	1	3.3	207
401430235	2013	12	15	18	V	4.4	2	1.96	201
401430235	2013	12	15	19	V	3.0	2	1.94	199
401430235	2013	12	15	20	V	2.6	1	1.47	194
401430235	2013	12	15	21	V	3.2	1	0.92	182
401430235	2013	12	15	22	V	2.9	1	1.74	190
401430235	2013	12	15	23	V	3.8	1	1.91	204
401430235	2013	12	15	24	V	3.2	1	1.96	204
401430235	2013	12	16	1	V	2.7	1	1.09	193
401430235	2013	12	16	2	V	2.5	1	1.62	207
401430235	2013	12	16	3	V	2.0	2	1.5	206
401430235	2013	12	16	4	V	2.0	2	2.2	223
401430235	2013	12	16	5	V	2.4	1	2.62	212
401430235	2013	12	16	6	V	2.5	1	0.99	166
401430235	2013	12	16	7	V	2.2	1	0.91	164
401430235	2013	12	16	8	V	3.3	2	0.75	186
401430235	2013	12	16	9	V	2.3	2	1.18	197
401430235	2013	12	16	10	V	3.2	1	2.33	197
401430235	2013	12	16	11	V	3.0	1	3.2	205
401430235	2013	12	16	12	V	5.5	2	3.12	196
401430235	2013	12	16	13	V	6.4	2	3.46	185
401430235	2013	12	16	14	V	3.0	2	3.01	201
401430235	2013	12	16	15	V	1.9	2	4.39	211
401430235	2013	12	16	16	V	3.3	1	3.83	221
401430235	2013	12	16	17	V	3.6	1	2.78	223
401430235	2013	12	16	18	V	4.4	2	1.98	203
401430235	2013	12	16	19	V	3.9	3	0.72	284
401430235	2013	12	16	20	V	2.5	3	1.28	272
401430235	2013	12	16	21	V	3.1	2	2.11	213
401430235	2013	12	16	22	V	3.9	3	0.53	187
401430235	2013	12	16	23	V	4.3	3	0.79	202
401430235	2013	12	16	24	V	3.8	2	0.69	228
401430235	2013	12	17	1	V	8.2	1	0.62	298
401430235	2013	12	17	2	V	3.2	4	0.62	258
401430235	2013	12	17	3	V	2.5	5	0.8	220
401430235	2013	12	17	4	V	2.6	3	0.67	17
401430235	2013	12	17	5	V	3.2	3	0.58	281
401430235	2013	12	17	6	C	-999	3	0	0
401430235	2013	12	17	7	V	1.9	2	0.99	17
401430235	2013	12	17	8	V	3.4	2	0.77	350

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	17	9	V	2.0	2	2.45	15
401430235	2013	12	17	10	V	3.0	2	2.96	16
401430235	2013	12	17	11	V	3.2	-999	1.76	14
401430235	2013	12	17	12	V	7.9	-999	2.4	46
401430235	2013	12	17	13	V	6.5	-999	3.52	24
401430235	2013	12	17	14	V	2.8	-999	5.38	21
401430235	2013	12	17	15	V	2.0	-999	4.71	28
401430235	2013	12	17	16	V	6.1	-999	2.93	45
401430235	2013	12	17	17	V	3.3	0	2.4	66
401430235	2013	12	17	18	V	4.6	1	0.91	62
401430235	2013	12	17	19	V	6.3	1	0.63	293
401430235	2013	12	17	20	V	3.2	1	0.62	230
401430235	2013	12	17	21	V	11.4	1	0.7	303
401430235	2013	12	17	22	V	3.0	2	0.87	242
401430235	2013	12	17	23	V	4.5	3	0.62	235
401430235	2013	12	17	24	C	-999	4	0	0
401430235	2013	12	18	1	V	3.1	3	0.63	241
401430235	2013	12	18	2	C	-999	3	0	0
401430235	2013	12	18	3	C	-999	3	0	0
401430235	2013	12	18	4	V	2.8	2	0.58	239
401430235	2013	12	18	5	V	8.8	1	0.55	299
401430235	2013	12	18	6	V	2.5	0	0.77	273
401430235	2013	12	18	7	V	3.9	0	0.58	289
401430235	2013	12	18	8	V	3.1	0	0.67	250
401430235	2013	12	18	9	V	2.3	0	1.09	222
401430235	2013	12	18	10	V	3.9	0	1.09	205
401430235	2013	12	18	11	V	3.0	0	4.03	179
401430235	2013	12	18	12	V	5.4	0	5.99	183
401430235	2013	12	18	13	V	6.3	0	6.89	193
401430235	2013	12	18	14	V	2.9	0	7.86	198
401430235	2013	12	18	15	V	1.9	0	8.35	198
401430235	2013	12	18	16	V	3.2	0	7.6	196
401430235	2013	12	18	17	V	3.4	0	6.31	187
401430235	2013	12	18	18	V	4.3	0	4.26	185
401430235	2013	12	18	19	V	2.9	0	4.97	178
401430235	2013	12	18	20	V	2.4	0	4.02	172
401430235	2013	12	18	21	V	2.6	0	3.52	173
401430235	2013	12	18	22	V	2.7	0	5.68	182
401430235	2013	12	18	23	V	3.7	0	5.5	187
401430235	2013	12	18	24	V	3.2	0	6.12	187
401430235	2013	12	19	1	V	2.3	0	5.79	184
401430235	2013	12	19	2	V	2.4	0	5.96	187
401430235	2013	12	19	3	V	1.9	0	5.9	190
401430235	2013	12	19	4	V	1.9	0	6.43	187
401430235	2013	12	19	5	V	2.1	0	4.39	178
401430235	2013	12	19	6	V	2.0	0	4.65	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	19	7	V	1.6	0	4.31	174
401430235	2013	12	19	8	V	2.4	0	5.36	195
401430235	2013	12	19	9	V	2.1	0	6.46	188
401430235	2013	12	19	10	V	3.0	0	9.06	191
401430235	2013	12	19	11	V	3.0	0	6.96	188
401430235	2013	12	19	12	V	5.4	0	5.96	180
401430235	2013	12	19	13	V	6.3	0	8.46	192
401430235	2013	12	19	14	V	2.9	0	8.46	197
401430235	2013	12	19	15	V	2.0	0	7.96	191
401430235	2013	12	19	16	V	3.2	0	7.46	179
401430235	2013	12	19	17	V	3.4	0	6.54	186
401430235	2013	12	19	18	V	4.3	0	5.19	178
401430235	2013	12	19	19	V	2.9	0	4.53	174
401430235	2013	12	19	20	V	2.4	0	4.37	173
401430235	2013	12	19	21	V	2.6	0	3.95	178
401430235	2013	12	19	22	V	2.7	0	5.09	186
401430235	2013	12	19	23	V	3.7	0	4.95	193
401430235	2013	12	19	24	V	3.2	0	4.39	196
401430235	2013	12	20	1	V	2.3	0	4.48	195
401430235	2013	12	20	2	V	2.4	0	5.8	200
401430235	2013	12	20	3	V	1.9	0	6.11	204
401430235	2013	12	20	4	V	1.9	0	3.74	227
401430235	2013	12	20	5	V	2.5	0	2.45	219
401430235	2013	12	20	6	V	4.3	0	3.86	301
401430235	2013	12	20	7	V	2.2	0	4.36	296
401430235	2013	12	20	8	V	6.8	0	4.86	331
401430235	2013	12	20	9	V	4.7	1	4.36	336
401430235	2013	12	20	10	V	4.1	-999	3.86	338
401430235	2013	12	20	11	M	-999	-999	2.36	999
401430235	2013	12	20	12	V	8.2	-999	3.36	333
401430235	2013	12	20	13	V	6.3	-999	3.36	349
401430235	2013	12	20	14	M	-999	-999	2.36	999
401430235	2013	12	20	15	V	3.1	0	2.89	339
401430235	2013	12	20	16	V	7.0	0	2.54	328
401430235	2013	12	20	17	V	10.5	0	2.13	330
401430235	2013	12	20	18	V	6.4	0	1.62	338
401430235	2013	12	20	19	V	2.9	0	2.42	23
401430235	2013	12	20	20	V	2.4	0	1.72	1
401430235	2013	12	20	21	V	2.6	0	3.05	4
401430235	2013	12	20	22	V	2.7	0	3.95	8
401430235	2013	12	20	23	V	3.7	0	3.64	21
401430235	2013	12	20	24	V	4.6	0	2.69	340
401430235	2013	12	21	1	V	2.3	0	3.25	25
401430235	2013	12	21	2	V	2.4	0	2.67	350
401430235	2013	12	21	3	V	1.9	0	2.64	350
401430235	2013	12	21	4	V	2.0	0	1.93	344

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	21	5	V	2.1	0	2.73	9
401430235	2013	12	21	6	V	6.3	0	3.68	39
401430235	2013	12	21	7	V	6.1	0	3.76	42
401430235	2013	12	21	8	V	2.4	0	2.66	21
401430235	2013	12	21	9	V	2.0	0	2.69	4
401430235	2013	12	21	10	V	3.0	0	3.61	17
401430235	2013	12	21	11	V	2.9	0	3.71	14
401430235	2013	12	21	12	V	5.4	0	3.76	22
401430235	2013	12	21	13	V	6.2	0	3.88	15
401430235	2013	12	21	14	V	2.9	0	3.03	11
401430235	2013	12	21	15	V	1.9	0	4.12	28
401430235	2013	12	21	16	V	3.1	0	4.37	11
401430235	2013	12	21	17	V	3.4	0	3.01	20
401430235	2013	12	21	18	V	4.6	0	2.35	290
401430235	2013	12	21	19	V	11.2	0	1.59	307
401430235	2013	12	21	20	V	2.4	0	1.54	271
401430235	2013	12	21	21	V	2.6	0	1.59	262
401430235	2013	12	21	22	V	2.7	0	2.54	265
401430235	2013	12	21	23	V	3.7	0	2.21	243
401430235	2013	12	21	24	V	3.2	0	2.11	239
401430235	2013	12	22	1	V	2.3	0	1.82	257
401430235	2013	12	22	2	V	2.4	0	2.76	259
401430235	2013	12	22	3	V	1.9	0	2.21	264
401430235	2013	12	22	4	V	1.9	0	2.32	271
401430235	2013	12	22	5	V	2.1	0	2.28	273
401430235	2013	12	22	6	V	13.0	0	2.95	315
401430235	2013	12	22	7	V	7.0	1	3.17	332
401430235	2013	12	22	8	V	9.6	1	2.49	329
401430235	2013	12	22	9	V	6.8	0	3.01	334
401430235	2013	12	22	10	V	3.1	0	3.34	345
401430235	2013	12	22	11	V	6.9	0	3.24	327
401430235	2013	12	22	12	V	7.3	0	3.37	336
401430235	2013	12	22	13	V	9.9	0	3	328
401430235	2013	12	22	14	V	5.4	0	3.05	334
401430235	2013	12	22	15	V	6.8	0	2.56	315
401430235	2013	12	22	16	V	7.8	0	2.35	320
401430235	2013	12	22	17	V	9.4	0	1.96	306
401430235	2013	12	22	18	V	5.5	0	1.84	301
401430235	2013	12	22	19	V	7.2	0	1.81	305
401430235	2013	12	22	20	V	15.8	0	1.91	314
401430235	2013	12	22	21	V	15.6	0	1.82	316
401430235	2013	12	22	22	V	11.0	0	1.99	327
401430235	2013	12	22	23	V	3.7	0	1.91	4
401430235	2013	12	22	24	C	-999	0	0	0
401430235	2013	12	23	1	V	2.4	0	1.76	359
401430235	2013	12	23	2	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	23	3	V	1.9	0	1.76	19
401430235	2013	12	23	4	C	-999	0	0	0
401430235	2013	12	23	5	V	6.2	0	1.76	37
401430235	2013	12	23	6	C	-999	0	0	0
401430235	2013	12	23	7	V	2.9	0	1.76	339
401430235	2013	12	23	8	V	2.4	0	1.76	17
401430235	2013	12	23	9	V	2.0	0	2.36	15
401430235	2013	12	23	10	V	4.0	0	3.36	30
401430235	2013	12	23	11	V	2.9	0	3.4	19
401430235	2013	12	23	12	V	6.1	3	3.56	28
401430235	2013	12	23	13	V	6.4	2	3.54	25
401430235	2013	12	23	14	V	2.9	3	3.51	18
401430235	2013	12	23	15	V	1.8	0	4.25	9
401430235	2013	12	23	16	V	3.2	0	3.44	17
401430235	2013	12	23	17	V	3.4	0	3.32	12
401430235	2013	12	23	18	V	4.3	0	2.49	15
401430235	2013	12	23	19	V	2.9	0	2.44	16
401430235	2013	12	23	20	V	2.4	0	2.37	1
401430235	2013	12	23	21	V	2.6	0	2.39	15
401430235	2013	12	23	22	V	2.7	0	1.65	5
401430235	2013	12	23	23	V	3.9	0	1.14	354
401430235	2013	12	23	24	V	3.2	0	2.22	17
401430235	2013	12	24	1	V	2.3	0	2.21	19
401430235	2013	12	24	2	V	2.5	0	1.52	29
401430235	2013	12	24	3	V	1.9	0	1.76	16
401430235	2013	12	24	4	V	9.5	0	2.57	42
401430235	2013	12	24	5	V	15.8	0	0.87	326
401430235	2013	12	24	6	V	2.9	0	0.55	59
401430235	2013	12	24	7	V	1.6	0	1.96	117
401430235	2013	12	24	8	V	2.4	0	2.25	115
401430235	2013	12	24	9	V	2.1	0	2.45	165
401430235	2013	12	24	10	V	3.1	0	2.66	168
401430235	2013	12	24	11	V	3.0	0	4.36	168
401430235	2013	12	24	12	V	5.5	0	4.36	173
401430235	2013	12	24	13	V	6.2	0	4.36	157
401430235	2013	12	24	14	V	2.9	0	3.36	157
401430235	2013	12	24	15	V	1.9	0	3.36	155
401430235	2013	12	24	16	V	3.3	0	2.36	164
401430235	2013	12	24	17	V	3.4	0	3.86	169
401430235	2013	12	24	18	V	4.3	0	4.36	166
401430235	2013	12	24	19	V	2.9	0	4.4	170
401430235	2013	12	24	20	V	2.4	0	3.32	175
401430235	2013	12	24	21	V	2.6	0	2.73	160
401430235	2013	12	24	22	V	2.7	0	2.84	181
401430235	2013	12	24	23	V	4.1	0	1.08	212
401430235	2013	12	24	24	V	12.0	0	0.82	334

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	25	1	V	3.8	0	0.75	348
401430235	2013	12	25	2	V	2.6	1	1.09	359
401430235	2013	12	25	3	C	-999	0	0	0
401430235	2013	12	25	4	V	2.5	0	0.79	213
401430235	2013	12	25	5	V	2.3	0	0.92	268
401430235	2013	12	25	6	V	16.1	0	1.2	324
401430235	2013	12	25	7	V	9.4	0	1.01	335
401430235	2013	12	25	8	C	-999	0	0	0
401430235	2013	12	25	9	V	3.2	0	0.58	192
401430235	2013	12	25	10	V	8.2	0	1.04	298
401430235	2013	12	25	11	V	6.8	0	1.99	334
401430235	2013	12	25	12	V	10.4	0	2.15	305
401430235	2013	12	25	13	V	11.6	0	1.69	332
401430235	2013	12	25	14	V	9.3	0	2.22	325
401430235	2013	12	25	15	V	3.9	0	2.66	338
401430235	2013	12	25	16	V	11.0	0	2.01	313
401430235	2013	12	25	17	V	3.4	0	1.57	245
401430235	2013	12	25	18	V	4.5	0	1.09	252
401430235	2013	12	25	19	C	-999	0	0	0
401430235	2013	12	25	20	C	-999	0	0	0
401430235	2013	12	25	21	C	-999	1	0	0
401430235	2013	12	25	22	C	-999	1	0	0
401430235	2013	12	25	23	C	-999	0	0	0
401430235	2013	12	25	24	C	-999	0	0	0
401430235	2013	12	26	1	C	-999	0	0	0
401430235	2013	12	26	2	C	-999	0	0	0
401430235	2013	12	26	3	C	-999	0	0	0
401430235	2013	12	26	4	C	-999	0	0	0
401430235	2013	12	26	5	V	2.7	0	0.8	216
401430235	2013	12	26	6	V	2.7	1	0.79	196
401430235	2013	12	26	7	V	2.2	0	0.94	218
401430235	2013	12	26	8	V	2.9	0	0.97	216
401430235	2013	12	26	9	V	2.2	0	1.16	203
401430235	2013	12	26	10	V	3.8	0	1.06	175
401430235	2013	12	26	11	V	3.6	0	1.42	184
401430235	2013	12	26	12	V	5.6	0	2.84	190
401430235	2013	12	26	13	V	6.4	0	2.9	185
401430235	2013	12	26	14	V	3.0	0	3.54	187
401430235	2013	12	26	15	V	2.0	0	4.44	191
401430235	2013	12	26	16	V	3.3	0	3.34	187
401430235	2013	12	26	17	V	3.4	0	3.98	185
401430235	2013	12	26	18	V	4.4	0	2.44	192
401430235	2013	12	26	19	V	3.4	0	0.82	221
401430235	2013	12	26	20	V	3.0	0	0.77	222
401430235	2013	12	26	21	V	2.8	0	1.28	209
401430235	2013	12	26	22	V	3.3	0	0.87	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	26	23	V	5.0	0	0.58	182
401430235	2013	12	26	24	C	-999	0	0	0
401430235	2013	12	27	1	C	-999	0	0	0
401430235	2013	12	27	2	V	3.0	0	0.69	241
401430235	2013	12	27	3	V	2.4	0	0.75	225
401430235	2013	12	27	4	V	16.1	0	0.52	313
401430235	2013	12	27	5	V	2.9	0	0.6	259
401430235	2013	12	27	6	V	2.4	0	0.75	238
401430235	2013	12	27	7	V	2.3	0	0.82	215
401430235	2013	12	27	8	V	3.1	0	0.75	214
401430235	2013	12	27	9	C	-999	0	0	0
401430235	2013	12	27	10	V	5.0	0	0.72	161
401430235	2013	12	27	11	V	4.0	0	1.09	152
401430235	2013	12	27	12	V	6.1	0	1.62	179
401430235	2013	12	27	13	V	6.4	0	2.84	184
401430235	2013	12	27	14	V	3.1	0	2.63	190
401430235	2013	12	27	15	V	2.0	0	4.86	192
401430235	2013	12	27	16	V	3.2	0	5.36	200
401430235	2013	12	27	17	V	3.4	0	3.86	186
401430235	2013	12	27	18	V	4.5	0	1.76	191
401430235	2013	12	27	19	C	-999	0	0	0
401430235	2013	12	27	20	C	-999	0	0	0
401430235	2013	12	27	21	C	-999	0	0	0
401430235	2013	12	27	22	C	-999	0	0	0
401430235	2013	12	27	23	C	-999	0	0	0
401430235	2013	12	27	24	C	-999	0	0	0
401430235	2013	12	28	1	C	-999	0	0	0
401430235	2013	12	28	2	C	-999	0	0	0
401430235	2013	12	28	3	C	-999	0	0	0
401430235	2013	12	28	4	C	-999	0	0	0
401430235	2013	12	28	5	C	-999	0	0	0
401430235	2013	12	28	6	C	-999	0	0	0
401430235	2013	12	28	7	C	-999	0	0	0
401430235	2013	12	28	8	C	-999	0	0	0
401430235	2013	12	28	9	C	-999	0	0	0
401430235	2013	12	28	10	M	-999	0	1.76	999
401430235	2013	12	28	11	V	3.0	0	4.86	182
401430235	2013	12	28	12	V	5.5	1	4.86	176
401430235	2013	12	28	13	V	6.3	0	4.86	186
401430235	2013	12	28	14	V	3.0	0	4.86	192
401430235	2013	12	28	15	V	1.9	0	5.36	156
401430235	2013	12	28	16	V	3.3	0	4.86	190
401430235	2013	12	28	17	V	3.4	0	3.36	185
401430235	2013	12	28	18	V	4.3	0	2.36	181
401430235	2013	12	28	19	V	2.9	0	3.86	184
401430235	2013	12	28	20	V	2.4	0	3.36	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	28	21	V	2.6	0	3.86	176
401430235	2013	12	28	22	V	2.7	0	2.36	206
401430235	2013	12	28	23	C	-999	0	0	0
401430235	2013	12	28	24	C	-999	0	0	0
401430235	2013	12	29	1	C	-999	0	0	0
401430235	2013	12	29	2	C	-999	0	0	0
401430235	2013	12	29	3	C	-999	0	0	0
401430235	2013	12	29	4	C	-999	1	0	0
401430235	2013	12	29	5	C	-999	2	0	0
401430235	2013	12	29	6	V	2.0	0	6.46	21
401430235	2013	12	29	7	V	1.6	0	5.36	7
401430235	2013	12	29	8	V	2.4	0	5.96	10
401430235	2013	12	29	9	V	2.0	0	4.86	1
401430235	2013	12	29	10	V	2.9	0	5.36	2
401430235	2013	12	29	11	V	3.1	0	6.46	343
401430235	2013	12	29	12	V	5.4	0	3.86	350
401430235	2013	12	29	13	V	8.0	0	3.86	336
401430235	2013	12	29	14	V	2.8	0	3.86	357
401430235	2013	12	29	15	V	1.8	0	4.36	4
401430235	2013	12	29	16	M	-999	0	2.86	999
401430235	2013	12	29	17	V	3.4	0	3.36	8
401430235	2013	12	29	18	V	4.3	0	3.86	11
401430235	2013	12	29	19	V	2.9	0	3.36	16
401430235	2013	12	29	20	V	2.4	0	5.36	6
401430235	2013	12	29	21	V	2.6	0	3.36	18
401430235	2013	12	29	22	V	2.7	0	5.36	21
401430235	2013	12	29	23	V	3.7	0	3.86	356
401430235	2013	12	29	24	V	3.2	0	2.86	16
401430235	2013	12	30	1	V	2.3	0	2.36	7
401430235	2013	12	30	2	V	2.4	0	3.86	360
401430235	2013	12	30	3	V	1.9	0	2.36	357
401430235	2013	12	30	4	V	1.9	0	3.86	4
401430235	2013	12	30	5	V	2.1	0	2.86	12
401430235	2013	12	30	6	V	2.0	0	4.36	17
401430235	2013	12	30	7	V	3.5	0	2.86	36
401430235	2013	12	30	8	C	-999	0	0	0
401430235	2013	12	30	9	V	2.0	0	2.36	59
401430235	2013	12	30	10	C	-999	0	0	0
401430235	2013	12	30	11	C	-999	0	0	0
401430235	2013	12	30	12	C	-999	1	0	0
401430235	2013	12	30	13	M	-999	1	2.36	999
401430235	2013	12	30	14	C	-999	0	0	0
401430235	2013	12	30	15	C	-999	0	0	0
401430235	2013	12	30	16	V	3.3	1	2.36	192
401430235	2013	12	30	17	V	3.7	0	1.76	221
401430235	2013	12	30	18	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401430235	2013	12	30	19	C	-999	0	0	0
401430235	2013	12	30	20	C	-999	0	0	0
401430235	2013	12	30	21	C	-999	0	0	0
401430235	2013	12	30	22	C	-999	0	0	0
401430235	2013	12	30	23	C	-999	0	0	0
401430235	2013	12	30	24	C	-999	0	0	0
401430235	2013	12	31	1	C	-999	0	0	0
401430235	2013	12	31	2	C	-999	0	0	0
401430235	2013	12	31	3	C	-999	0	0	0
401430235	2013	12	31	4	C	-999	0	0	0
401430235	2013	12	31	5	C	-999	0	0	0
401430235	2013	12	31	6	C	-999	0	0	0
401430235	2013	12	31	7	C	-999	0	0	0
401430235	2013	12	31	8	C	-999	0	0	0
401430235	2013	12	31	9	C	-999	0	0	0
401430235	2013	12	31	10	C	-999	0	0	0
401430235	2013	12	31	11	V	3.0	0	3.86	173
401430235	2013	12	31	12	V	5.4	0	5.96	200
401430235	2013	12	31	13	V	6.3	0	7.46	183
401430235	2013	12	31	14	V	2.9	0	6.46	181
401430235	2013	12	31	15	V	1.9	0	7.46	195
401430235	2013	12	31	16	V	3.1	0	9.06	204
401430235	2013	12	31	17	V	3.4	0	4.86	190
401430235	2013	12	31	18	V	4.3	0	3.36	167
401430235	2013	12	31	19	V	2.9	0	3.36	173
401430235	2013	12	31	20	V	2.4	0	2.86	167
401430235	2013	12	31	21	V	2.6	0	2.86	169
401430235	2013	12	31	22	V	2.7	0	2.36	202
401430235	2013	12	31	23	V	3.8	0	2.36	194
401430235	2013	12	31	24	C	-999	0	0	0
401431127	2011	1	1	1	V	2.3	0.2	3.37	339
401431127	2011	1	1	2	V	2.4	0.1	3.22	336
401431127	2011	1	1	3	V	1.9	0.1	2.64	336
401431127	2011	1	1	4	V	1.9	0.1	2.13	327
401431127	2011	1	1	5	V	2.1	0.1	2.5	321
401431127	2011	1	1	6	V	2.0	0.1	2.35	315
401431127	2011	1	1	7	V	1.7	0.1	1.65	306
401431127	2011	1	1	8	V	2.5	0.1	1.2	284
401431127	2011	1	1	9	V	2.0	0.4	1.65	284
401431127	2011	1	1	10	V	3.0	0.4	2.59	306
401431127	2011	1	1	11	V	2.9	0.2	2.3	307
401431127	2011	1	1	12	V	5.4	0.2	2.33	303
401431127	2011	1	1	13	V	6.2	0.2	2.95	300
401431127	2011	1	1	14	V	2.9	0.2	3.08	307
401431127	2011	1	1	15	V	1.9	0.4	3.08	313
401431127	2011	1	1	16	V	3.2	0.2	2.81	298

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	1	17	V	3.4	0.2	2.06	297
401431127	2011	1	1	18	V	4.4	0.3	1.76	294
401431127	2011	1	1	19	V	3.1	0.2	1.06	304
401431127	2011	1	1	20	V	2.6	0.1	0.77	283
401431127	2011	1	1	21	V	2.9	0.2	0.77	276
401431127	2011	1	1	22	C	-999	0.3	0	0
401431127	2011	1	1	23	V	3.9	0.2	0.91	233
401431127	2011	1	1	24	V	3.6	0.3	0.62	240
401431127	2011	1	2	1	V	2.7	0.3	1.01	191
401431127	2011	1	2	2	V	5.5	0.3	0.7	197
401431127	2011	1	2	3	V	3.2	0.3	0.91	223
401431127	2011	1	2	4	V	11.6	0.2	0.74	210
401431127	2011	1	2	5	V	2.5	0.1	0.57	244
401431127	2011	1	2	6	V	2.1	0.1	0.97	233
401431127	2011	1	2	7	V	1.9	0.2	0.79	232
401431127	2011	1	2	8	V	4.5	0.1	0.62	223
401431127	2011	1	2	9	V	2.2	0.1	0.92	187
401431127	2011	1	2	10	V	4.3	8.6	1.28	186
401431127	2011	1	2	11	V	3.1	30.2	1.96	177
401431127	2011	1	2	12	V	5.4	9.8	3.15	181
401431127	2011	1	2	13	V	6.2	4.4	3.9	181
401431127	2011	1	2	14	V	2.8	1.4	5.05	183
401431127	2011	1	2	15	V	1.9	1.5	4.66	187
401431127	2011	1	2	16	V	3.1	0.8	4.61	186
401431127	2011	1	2	17	V	3.4	0.7	4.46	186
401431127	2011	1	2	18	V	5.1	0.4	1.91	194
401431127	2011	1	2	19	V	13.3	0.4	0.82	207
401431127	2011	1	2	20	V	2.5	0.5	1.09	184
401431127	2011	1	2	21	V	17.7	0.6	1.23	206
401431127	2011	1	2	22	V	14.2	0.3	2.52	203
401431127	2011	1	2	23	V	3.8	0.5	2.18	191
401431127	2011	1	2	24	V	19.7	0.9	1.28	207
401431127	2011	1	3	1	V	2.5	0.6	0.86	164
401431127	2011	1	3	2	V	2.6	0.5	1.14	190
401431127	2011	1	3	3	V	2.0	0.5	1.03	159
401431127	2011	1	3	4	V	1.9	0.6	1.7	170
401431127	2011	1	3	5	V	2.1	0.7	2.64	161
401431127	2011	1	3	6	V	2.0	0.7	2.9	159
401431127	2011	1	3	7	V	1.6	0.8	3.3	163
401431127	2011	1	3	8	V	2.4	2.4	4.1	166
401431127	2011	1	3	9	V	2.0	2.3	3.61	168
401431127	2011	1	3	10	V	2.9	1.8	5.07	182
401431127	2011	1	3	11	V	2.8	4.4	7.25	190
401431127	2011	1	3	12	V	5.7	2.6	7.5	199
401431127	2011	1	3	13	V	6.4	3.3	7.06	197
401431127	2011	1	3	14	V	3.6	3	6.4	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	3	15	V	1.8	3.1	5.8	187
401431127	2011	1	3	16	V	3.1	3.6	5.8	188
401431127	2011	1	3	17	V	4.9	4.9	4.14	194
401431127	2011	1	3	18	V	4.7	2.2	2.42	194
401431127	2011	1	3	19	V	5.9	1.8	1.23	219
401431127	2011	1	3	20	V	2.4	1	2.03	358
401431127	2011	1	3	21	V	2.6	0.6	2.27	359
401431127	2011	1	3	22	V	2.7	0.5	1.6	2
401431127	2011	1	3	23	V	3.8	0.5	1.77	7
401431127	2011	1	3	24	V	3.3	0.5	1.55	355
401431127	2011	1	4	1	V	2.4	0.6	1.81	6
401431127	2011	1	4	2	V	2.5	0.6	1.08	348
401431127	2011	1	4	3	V	1.9	0.3	2.52	7
401431127	2011	1	4	4	V	1.9	0.4	3	14
401431127	2011	1	4	5	V	2.1	0.2	3.57	11
401431127	2011	1	4	6	V	2.0	0.1	3.58	10
401431127	2011	1	4	7	V	1.6	0.1	3.57	12
401431127	2011	1	4	8	V	2.4	0.1	3.2	8
401431127	2011	1	4	9	V	2.0	0.2	2.81	18
401431127	2011	1	4	10	V	3.0	0.5	4.14	28
401431127	2011	1	4	11	V	3.7	2	5.55	38
401431127	2011	1	4	12	V	5.8	1.9	6.38	38
401431127	2011	1	4	13	V	10.0	2	5.24	45
401431127	2011	1	4	14	V	6.8	9.4	4.63	49
401431127	2011	1	4	15	V	2.6	16.4	3.58	59
401431127	2011	1	4	16	V	3.3	7.3	2.79	64
401431127	2011	1	4	17	V	3.5	1.7	2.81	60
401431127	2011	1	4	18	V	12.2	1.6	2.18	49
401431127	2011	1	4	19	V	3.2	2.2	1.37	36
401431127	2011	1	4	20	V	2.4	0.7	1.82	16
401431127	2011	1	4	21	V	2.7	0.7	1.69	10
401431127	2011	1	4	22	V	2.8	0.7	1.35	357
401431127	2011	1	4	23	V	3.8	0.6	1.45	352
401431127	2011	1	4	24	V	3.3	0.5	1.31	328
401431127	2011	1	5	1	V	2.4	0.4	1.42	342
401431127	2011	1	5	2	V	2.6	0.3	0.86	149
401431127	2011	1	5	3	V	2.0	0.3	1.31	319
401431127	2011	1	5	4	V	2.0	0.3	1.21	320
401431127	2011	1	5	5	V	2.3	0.1	0.92	282
401431127	2011	1	5	6	V	2.1	0.1	0.96	306
401431127	2011	1	5	7	V	2.0	0.1	0.62	241
401431127	2011	1	5	8	V	2.8	0.4	0.55	254
401431127	2011	1	5	9	C	-999	0.8	0	0
401431127	2011	1	5	10	V	3.9	0.7	0.94	247
401431127	2011	1	5	11	V	3.0	2.2	2.37	330
401431127	2011	1	5	12	V	5.4	1.7	2.76	318

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	5	13	V	6.2	1	2.88	307
401431127	2011	1	5	14	V	2.8	-999	3.56	298
401431127	2011	1	5	15	V	1.8	0.6	3.81	294
401431127	2011	1	5	16	V	3.1	0.5	3.25	286
401431127	2011	1	5	17	V	3.4	1.3	2.66	288
401431127	2011	1	5	18	V	4.4	0.7	1.42	271
401431127	2011	1	5	19	V	3.0	0.9	1.48	256
401431127	2011	1	5	20	V	2.4	2.9	1.94	268
401431127	2011	1	5	21	V	2.7	1.9	1.33	274
401431127	2011	1	5	22	V	2.7	0.9	1.84	305
401431127	2011	1	5	23	V	3.7	0.4	2.37	321
401431127	2011	1	5	24	V	3.2	0.3	2.84	333
401431127	2011	1	6	1	V	2.3	0.2	2.64	335
401431127	2011	1	6	2	V	2.4	0.2	2.01	312
401431127	2011	1	6	3	V	2.0	0.1	1.01	290
401431127	2011	1	6	4	V	2.1	0.1	0.79	293
401431127	2011	1	6	5	V	2.2	0.2	1.42	276
401431127	2011	1	6	6	V	2.1	0.2	1.09	245
401431127	2011	1	6	7	V	1.8	0.1	1.04	250
401431127	2011	1	6	8	V	4.0	0.1	1.06	221
401431127	2011	1	6	9	V	2.2	0.3	0.89	158
401431127	2011	1	6	10	V	3.0	0.5	2.5	289
401431127	2011	1	6	11	V	2.9	0.6	3.44	272
401431127	2011	1	6	12	V	5.3	0.4	4.23	285
401431127	2011	1	6	13	V	6.2	0.3	4.19	278
401431127	2011	1	6	14	V	2.8	0.4	4.14	281
401431127	2011	1	6	15	V	1.8	1.1	4.36	297
401431127	2011	1	6	16	V	3.1	0.3	3.93	293
401431127	2011	1	6	17	V	3.4	0.2	3.03	288
401431127	2011	1	6	18	V	4.4	0.6	1.6	256
401431127	2011	1	6	19	V	3.0	0.7	1.48	243
401431127	2011	1	6	20	V	2.4	0.4	1.94	243
401431127	2011	1	6	21	V	2.7	0.2	1.76	263
401431127	2011	1	6	22	V	2.7	0.2	2.56	255
401431127	2011	1	6	23	V	3.7	0.2	2.62	260
401431127	2011	1	6	24	V	3.2	0.4	2.08	261
401431127	2011	1	7	1	V	2.3	0.5	1.98	268
401431127	2011	1	7	2	V	2.4	0.4	1.88	279
401431127	2011	1	7	3	V	2.0	0.3	1.43	267
401431127	2011	1	7	4	V	1.9	0.4	1.72	274
401431127	2011	1	7	5	V	2.1	0.4	2.44	263
401431127	2011	1	7	6	V	2.0	0.3	2.76	267
401431127	2011	1	7	7	V	1.6	0.4	3.71	268
401431127	2011	1	7	8	V	2.4	0.3	3.91	296
401431127	2011	1	7	9	V	2.0	0.3	3.76	297
401431127	2011	1	7	10	V	3.0	0.4	3.58	305

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	7	11	V	2.9	0.3	3.73	315
401431127	2011	1	7	12	V	5.3	0.2	4.82	332
401431127	2011	1	7	13	V	6.2	0.2	4.78	328
401431127	2011	1	7	14	V	2.8	0.1	6.04	331
401431127	2011	1	7	15	V	1.8	0.1	5.43	333
401431127	2011	1	7	16	V	3.1	0.1	5.7	333
401431127	2011	1	7	17	V	3.3	0.1	4.9	328
401431127	2011	1	7	18	V	4.3	0.1	4.6	338
401431127	2011	1	7	19	V	2.9	0.1	3.03	338
401431127	2011	1	7	20	V	2.4	0.2	2.52	339
401431127	2011	1	7	21	V	2.6	0	4.12	355
401431127	2011	1	7	22	V	2.7	0	3.8	4
401431127	2011	1	7	23	V	3.7	0.1	2.62	341
401431127	2011	1	7	24	V	3.2	0.1	2.61	339
401431127	2011	1	8	1	V	2.4	0.1	1.65	312
401431127	2011	1	8	2	V	2.4	0	1.82	287
401431127	2011	1	8	3	V	1.9	0	2.47	321
401431127	2011	1	8	4	V	1.9	0	2.16	322
401431127	2011	1	8	5	V	2.1	0	1.43	306
401431127	2011	1	8	6	V	2.0	0	2.01	328
401431127	2011	1	8	7	V	1.6	0	2.37	343
401431127	2011	1	8	8	V	2.4	0	1.89	331
401431127	2011	1	8	9	V	2.0	0.1	3.18	1
401431127	2011	1	8	10	V	2.9	0.1	4.32	17
401431127	2011	1	8	11	V	2.8	0.1	4.07	8
401431127	2011	1	8	12	V	5.4	0.1	4.09	27
401431127	2011	1	8	13	V	6.2	0.1	3.68	20
401431127	2011	1	8	14	V	4.6	0.1	2.93	38
401431127	2011	1	8	15	V	2.3	0.1	3.13	62
401431127	2011	1	8	16	V	3.6	1.1	2.72	62
401431127	2011	1	8	17	V	3.4	9.2	3.22	62
401431127	2011	1	8	18	V	4.3	3.8	3.03	63
401431127	2011	1	8	19	V	2.9	0.5	3.25	74
401431127	2011	1	8	20	V	2.4	0.2	3.15	66
401431127	2011	1	8	21	V	2.6	0.2	2.91	57
401431127	2011	1	8	22	V	3.0	0.4	3.08	40
401431127	2011	1	8	23	V	3.7	0.2	2.71	37
401431127	2011	1	8	24	V	3.2	0.1	2.69	28
401431127	2011	1	9	1	V	2.3	0.1	3.1	23
401431127	2011	1	9	2	V	2.4	0.1	3.52	30
401431127	2011	1	9	3	V	1.9	0.1	3.78	38
401431127	2011	1	9	4	V	5.8	0.1	3.74	45
401431127	2011	1	9	5	V	2.3	0.1	3.27	55
401431127	2011	1	9	6	V	2.0	0.1	2.98	85
401431127	2011	1	9	7	V	1.6	0.3	3.75	114
401431127	2011	1	9	8	V	2.4	0.4	5.75	128

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	9	9	V	2.0	1.8	5.89	125
401431127	2011	1	9	10	V	2.9	6.4	6.01	128
401431127	2011	1	9	11	V	2.8	5	5.96	126
401431127	2011	1	9	12	V	5.3	7.8	6.07	122
401431127	2011	1	9	13	V	6.2	5.4	5.33	128
401431127	2011	1	9	14	V	2.8	1.3	5.19	115
401431127	2011	1	9	15	V	1.8	1.1	5.36	115
401431127	2011	1	9	16	V	3.1	0.6	4.65	117
401431127	2011	1	9	17	V	3.3	0.4	5.19	106
401431127	2011	1	9	18	V	4.3	0.2	4.66	106
401431127	2011	1	9	19	V	2.9	0.2	3.81	115
401431127	2011	1	9	20	V	2.4	0.2	3.88	116
401431127	2011	1	9	21	V	2.6	0.3	4.1	121
401431127	2011	1	9	22	V	2.7	0.3	3.66	117
401431127	2011	1	9	23	V	3.7	0.2	2.73	108
401431127	2011	1	9	24	V	3.2	0.1	2.86	98
401431127	2011	1	10	1	V	2.3	0.1	2.61	104
401431127	2011	1	10	2	V	2.4	0.1	3.25	108
401431127	2011	1	10	3	V	1.9	0.1	3.23	128
401431127	2011	1	10	4	V	1.9	0.1	3.18	134
401431127	2011	1	10	5	V	2.1	0.3	3.49	133
401431127	2011	1	10	6	V	2.0	1.4	2.96	145
401431127	2011	1	10	7	V	1.6	0.7	2.71	162
401431127	2011	1	10	8	V	2.4	0.2	2.86	146
401431127	2011	1	10	9	V	2.0	0.2	2.32	140
401431127	2011	1	10	10	V	3.0	0.2	2.47	132
401431127	2011	1	10	11	V	2.9	0.4	2.35	138
401431127	2011	1	10	12	V	5.5	0.3	1.82	145
401431127	2011	1	10	13	V	6.6	0.2	2.11	189
401431127	2011	1	10	14	V	8.5	0.3	1.64	212
401431127	2011	1	10	15	V	2.0	0.2	1.47	280
401431127	2011	1	10	16	V	3.2	0.2	1.69	299
401431127	2011	1	10	17	V	3.4	0.1	1.93	306
401431127	2011	1	10	18	V	4.4	0.1	1.42	280
401431127	2011	1	10	19	V	3.1	0.1	1.04	273
401431127	2011	1	10	20	V	2.4	0.1	3.12	310
401431127	2011	1	10	21	V	2.6	0.1	3.69	328
401431127	2011	1	10	22	V	2.7	0.1	3.64	320
401431127	2011	1	10	23	V	3.7	0.1	4.48	310
401431127	2011	1	10	24	V	3.2	0.1	4.19	306
401431127	2011	1	11	1	V	2.3	0.1	3.86	309
401431127	2011	1	11	2	V	2.4	0.1	3.98	312
401431127	2011	1	11	3	V	1.9	0.1	4.07	315
401431127	2011	1	11	4	V	1.9	0.1	3.59	317
401431127	2011	1	11	5	V	2.1	0.2	3.69	311
401431127	2011	1	11	6	V	2.0	0.2	3.92	304

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	11	7	V	1.6	0.2	3.69	304
401431127	2011	1	11	8	V	2.4	0.2	3.66	306
401431127	2011	1	11	9	V	2.0	0.3	4.09	312
401431127	2011	1	11	10	V	2.9	0.5	4.09	312
401431127	2011	1	11	11	V	2.8	0.7	4.05	314
401431127	2011	1	11	12	V	5.3	0.8	4.1	325
401431127	2011	1	11	13	V	6.2	0.8	4.63	324
401431127	2011	1	11	14	V	2.8	0.6	4.53	316
401431127	2011	1	11	15	V	1.8	0.5	4.07	316
401431127	2011	1	11	16	V	3.1	0.5	4.19	315
401431127	2011	1	11	17	V	3.4	0.5	4.07	309
401431127	2011	1	11	18	V	4.3	0.5	2.57	324
401431127	2011	1	11	19	V	2.9	0.4	2.78	337
401431127	2011	1	11	20	V	2.4	0.3	2.27	308
401431127	2011	1	11	21	V	2.7	0.3	1.76	313
401431127	2011	1	11	22	V	2.8	0.2	1.42	320
401431127	2011	1	11	23	V	3.8	0.2	1.82	323
401431127	2011	1	11	24	V	3.2	0.2	2.4	330
401431127	2011	1	12	1	V	2.3	0.3	3.34	340
401431127	2011	1	12	2	V	2.4	0.4	2.57	343
401431127	2011	1	12	3	V	1.9	0.3	1.67	314
401431127	2011	1	12	4	V	1.9	0.3	2.04	308
401431127	2011	1	12	5	V	2.1	0.6	2.38	315
401431127	2011	1	12	6	V	2.0	0.8	2.54	326
401431127	2011	1	12	7	V	1.6	0.7	2.37	321
401431127	2011	1	12	8	V	2.4	0.7	2.71	334
401431127	2011	1	12	9	V	2.0	1	2.98	331
401431127	2011	1	12	10	V	3.0	1	3.18	336
401431127	2011	1	12	11	V	3.0	0.9	2.47	341
401431127	2011	1	12	12	V	5.5	1	2.03	303
401431127	2011	1	12	13	V	6.3	1.2	2.2	317
401431127	2011	1	12	14	V	3.0	1.2	2.18	317
401431127	2011	1	12	15	V	1.9	1	2.32	307
401431127	2011	1	12	16	V	3.2	1	2.57	341
401431127	2011	1	12	17	V	3.4	0.9	2.04	336
401431127	2011	1	12	18	V	4.4	0.7	1.59	331
401431127	2011	1	12	19	V	3.0	0.5	1.18	324
401431127	2011	1	12	20	V	2.5	0.3	1.47	336
401431127	2011	1	12	21	V	2.8	0.3	0.92	337
401431127	2011	1	12	22	V	3.0	0.2	0.65	9
401431127	2011	1	12	23	V	4.0	0.3	0.7	255
401431127	2011	1	12	24	V	3.6	0.3	0.58	274
401431127	2011	1	13	1	V	2.6	0.3	0.7	264
401431127	2011	1	13	2	V	7.7	0.3	0.52	215
401431127	2011	1	13	3	V	2.3	0.4	0.52	258
401431127	2011	1	13	4	V	4.0	0.3	0.92	221

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	13	5	V	2.4	0.5	0.65	268
401431127	2011	1	13	6	V	2.4	0.3	0.55	250
401431127	2011	1	13	7	V	2.2	0.4	1.09	224
401431127	2011	1	13	8	V	3.1	0.6	0.52	229
401431127	2011	1	13	9	V	2.2	0.5	1.26	190
401431127	2011	1	13	10	V	3.3	1	2.61	187
401431127	2011	1	13	11	V	2.9	2.3	4.39	185
401431127	2011	1	13	12	V	5.3	2	4.99	184
401431127	2011	1	13	13	V	6.2	1.9	5.53	187
401431127	2011	1	13	14	V	2.9	1.4	6.01	191
401431127	2011	1	13	15	V	1.9	1.2	6.6	194
401431127	2011	1	13	16	V	3.2	0.7	6.04	192
401431127	2011	1	13	17	V	3.4	0.6	6.13	186
401431127	2011	1	13	18	V	4.5	0.6	4.95	189
401431127	2011	1	13	19	V	3.0	0.6	4.05	188
401431127	2011	1	13	20	V	2.4	0.6	3.2	189
401431127	2011	1	13	21	V	2.6	0.8	3.64	187
401431127	2011	1	13	22	V	2.8	0.7	3.75	190
401431127	2011	1	13	23	V	5.0	0.5	3.91	195
401431127	2011	1	13	24	V	3.4	0.6	3.18	192
401431127	2011	1	14	1	V	2.3	0.7	3.13	187
401431127	2011	1	14	2	V	2.4	0.9	2.18	176
401431127	2011	1	14	3	V	1.9	0.8	1.94	188
401431127	2011	1	14	4	V	2.0	0.8	2.47	191
401431127	2011	1	14	5	V	2.2	0.7	1.86	191
401431127	2011	1	14	6	V	2.1	0.6	1.26	150
401431127	2011	1	14	7	V	1.7	0.7	1.69	170
401431127	2011	1	14	8	V	2.4	0.9	2.06	168
401431127	2011	1	14	9	V	2.0	1.5	2.16	166
401431127	2011	1	14	10	V	3.0	2.2	4	179
401431127	2011	1	14	11	V	3.3	2.5	4.63	195
401431127	2011	1	14	12	V	5.4	2.3	3.13	180
401431127	2011	1	14	13	V	6.3	1.7	2.59	165
401431127	2011	1	14	14	V	2.9	1.3	2.93	159
401431127	2011	1	14	15	V	1.9	1.1	2.81	161
401431127	2011	1	14	16	V	3.2	0.9	3.07	154
401431127	2011	1	14	17	V	3.4	0.8	3.32	157
401431127	2011	1	14	18	V	4.3	0.9	3.03	159
401431127	2011	1	14	19	V	3.0	0.9	1.6	189
401431127	2011	1	14	20	V	2.8	0.7	1.55	194
401431127	2011	1	14	21	V	14.5	0.4	2.28	203
401431127	2011	1	14	22	V	21.8	0.7	1.91	212
401431127	2011	1	14	23	V	8.4	3	2.16	200
401431127	2011	1	14	24	V	6.2	1.8	1.18	219
401431127	2011	1	15	1	V	14.6	0.6	1.59	203
401431127	2011	1	15	2	V	19.4	0.6	1.28	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	15	3	V	15.5	0.5	1.2	205
401431127	2011	1	15	4	V	1.9	0.4	1.52	230
401431127	2011	1	15	5	V	16.7	0.5	1.98	204
401431127	2011	1	15	6	V	2.4	0.5	0.75	187
401431127	2011	1	15	7	V	4.4	0.4	0.52	197
401431127	2011	1	15	8	V	8.3	0.3	0.63	201
401431127	2011	1	15	9	C	-999	1.3	0	0
401431127	2011	1	15	10	V	3.6	1.2	1.59	182
401431127	2011	1	15	11	V	6.0	1	3.17	215
401431127	2011	1	15	12	V	11.0	1.3	2.33	204
401431127	2011	1	15	13	V	8.2	7.4	2.21	195
401431127	2011	1	15	14	V	5.1	4.3	1.26	212
401431127	2011	1	15	15	V	2.1	4	1.67	171
401431127	2011	1	15	16	V	3.3	3.2	1.79	175
401431127	2011	1	15	17	V	3.4	2	1.5	169
401431127	2011	1	15	18	V	4.4	1.2	1.48	100
401431127	2011	1	15	19	V	3.3	0.6	1.45	37
401431127	2011	1	15	20	V	2.4	0.5	4.77	11
401431127	2011	1	15	21	V	2.6	0.6	4.37	15
401431127	2011	1	15	22	V	2.7	0.5	4.41	14
401431127	2011	1	15	23	V	3.7	0.5	4.61	17
401431127	2011	1	15	24	V	3.2	0.5	3.95	20
401431127	2011	1	16	1	V	2.3	0.5	3.29	14
401431127	2011	1	16	2	V	2.4	0.5	3.39	13
401431127	2011	1	16	3	V	1.9	0.5	3.8	14
401431127	2011	1	16	4	V	1.9	0.5	3.75	12
401431127	2011	1	16	5	V	2.1	0.4	4.1	10
401431127	2011	1	16	6	V	2.0	0.6	4.14	14
401431127	2011	1	16	7	V	1.6	0.5	4.54	17
401431127	2011	1	16	8	V	2.4	0.7	4.63	14
401431127	2011	1	16	9	V	2.0	0.7	3.81	10
401431127	2011	1	16	10	V	3.0	1	3.73	17
401431127	2011	1	16	11	V	2.9	2.7	3.25	13
401431127	2011	1	16	12	V	6.0	4	2.45	30
401431127	2011	1	16	13	V	6.3	4.2	3.22	22
401431127	2011	1	16	14	V	3.0	3.1	2.33	16
401431127	2011	1	16	15	V	3.8	2.2	2.03	37
401431127	2011	1	16	16	V	5.9	3.1	1.84	41
401431127	2011	1	16	17	V	3.4	3.6	1.65	16
401431127	2011	1	16	18	V	4.5	2.8	0.92	345
401431127	2011	1	16	19	V	3.1	1.6	0.91	359
401431127	2011	1	16	20	V	2.8	0.8	0.52	349
401431127	2011	1	16	21	C	-999	0.6	0	0
401431127	2011	1	16	22	V	3.0	0.6	0.67	239
401431127	2011	1	16	23	V	4.0	0.4	0.75	276
401431127	2011	1	16	24	V	3.5	0.6	0.77	242

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	17	1	V	7.9	0.7	1.03	200
401431127	2011	1	17	2	V	12.0	0.5	1.08	214
401431127	2011	1	17	3	V	1.9	0.3	2.49	172
401431127	2011	1	17	4	V	1.9	0.3	1.65	156
401431127	2011	1	17	5	V	2.2	0.2	1.13	147
401431127	2011	1	17	6	V	2.1	0.1	1.14	157
401431127	2011	1	17	7	V	1.6	0.1	2.57	175
401431127	2011	1	17	8	V	2.4	0.2	3.01	171
401431127	2011	1	17	9	V	2.0	0.2	3.17	159
401431127	2011	1	17	10	V	3.0	0.2	3.32	170
401431127	2011	1	17	11	V	2.9	0.2	3.49	173
401431127	2011	1	17	12	V	5.4	0.3	4.6	189
401431127	2011	1	17	13	V	6.4	0.3	6.31	196
401431127	2011	1	17	14	V	3.6	1.2	5.58	200
401431127	2011	1	17	15	V	2.3	1	5.51	198
401431127	2011	1	17	16	V	3.2	1.1	4.44	191
401431127	2011	1	17	17	V	3.7	0.4	3.59	189
401431127	2011	1	17	18	V	4.3	0.3	2.93	182
401431127	2011	1	17	19	V	2.9	0.2	2.37	183
401431127	2011	1	17	20	V	2.4	0.1	2.45	182
401431127	2011	1	17	21	V	2.7	0.1	2.74	187
401431127	2011	1	17	22	V	3.5	0.2	1.84	196
401431127	2011	1	17	23	V	13.3	0.3	0.77	205
401431127	2011	1	17	24	C	-999	0.2	0	0
401431127	2011	1	18	1	V	2.7	0.2	0.63	315
401431127	2011	1	18	2	V	2.7	0.2	0.62	260
401431127	2011	1	18	3	V	1.9	0	1.93	309
401431127	2011	1	18	4	V	1.9	0	4.58	4
401431127	2011	1	18	5	V	2.1	0	4.87	6
401431127	2011	1	18	6	V	2.0	0	3.83	5
401431127	2011	1	18	7	V	1.6	0	3.95	6
401431127	2011	1	18	8	V	2.4	0.1	5.22	8
401431127	2011	1	18	9	V	2.0	0	4.48	353
401431127	2011	1	18	10	V	3.0	0	3.85	344
401431127	2011	1	18	11	V	2.8	0.1	3.95	342
401431127	2011	1	18	12	V	5.4	0.1	3.69	341
401431127	2011	1	18	13	V	6.2	0.1	3.78	339
401431127	2011	1	18	14	V	2.9	0.1	3.61	342
401431127	2011	1	18	15	V	1.9	0.1	3.2	332
401431127	2011	1	18	16	V	3.2	0.1	2.86	333
401431127	2011	1	18	17	V	3.4	0.2	2.98	349
401431127	2011	1	18	18	V	4.4	0.1	1.76	334
401431127	2011	1	18	19	V	3.0	0.1	1.84	347
401431127	2011	1	18	20	V	2.4	0.1	2.25	2
401431127	2011	1	18	21	V	2.7	0.1	1.98	356
401431127	2011	1	18	22	V	2.7	0.1	2.45	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	18	23	V	3.7	0.1	2.3	11
401431127	2011	1	18	24	V	3.3	0.1	1.69	354
401431127	2011	1	19	1	V	2.5	0	1.04	360
401431127	2011	1	19	2	V	2.5	0.1	1.21	352
401431127	2011	1	19	3	V	1.9	0	2.71	27
401431127	2011	1	19	4	V	1.9	0	1.98	24
401431127	2011	1	19	5	V	2.7	0	2.35	40
401431127	2011	1	19	6	V	2.0	0	2.27	29
401431127	2011	1	19	7	V	1.7	0	1.87	6
401431127	2011	1	19	8	V	2.4	0.1	2.39	28
401431127	2011	1	19	9	V	6.6	0.1	3.73	47
401431127	2011	1	19	10	V	3.0	0.1	3.81	69
401431127	2011	1	19	11	V	2.9	0.2	4.02	67
401431127	2011	1	19	12	V	5.4	0.4	3.34	75
401431127	2011	1	19	13	V	6.2	0.5	4.07	91
401431127	2011	1	19	14	V	2.9	0.5	3.97	103
401431127	2011	1	19	15	V	1.9	0.8	3.95	93
401431127	2011	1	19	16	V	3.1	0.5	4.78	99
401431127	2011	1	19	17	V	3.3	0.5	5.14	114
401431127	2011	1	19	18	V	7.1	0.4	3.69	51
401431127	2011	1	19	19	V	2.9	0.3	3.52	16
401431127	2011	1	19	20	V	2.4	0.2	4.42	13
401431127	2011	1	19	21	V	2.6	0.1	4.58	16
401431127	2011	1	19	22	V	2.7	0.2	4.54	16
401431127	2011	1	19	23	V	3.7	0.2	4.8	14
401431127	2011	1	19	24	V	3.2	0.1	5.02	7
401431127	2011	1	20	1	V	2.3	0.1	5.31	6
401431127	2011	1	20	2	V	2.4	0	5.99	3
401431127	2011	1	20	3	V	1.9	0	5.29	1
401431127	2011	1	20	4	V	1.9	0.1	5.38	359
401431127	2011	1	20	5	V	2.1	0.1	4.83	357
401431127	2011	1	20	6	V	2.0	0.1	4.83	352
401431127	2011	1	20	7	V	1.6	0.1	4.34	346
401431127	2011	1	20	8	V	2.4	0.1	4	346
401431127	2011	1	20	9	V	2.0	0.1	4.75	345
401431127	2011	1	20	10	V	2.9	0.3	4.93	347
401431127	2011	1	20	11	V	2.8	0.4	4.42	353
401431127	2011	1	20	12	V	5.3	0.5	4.51	348
401431127	2011	1	20	13	V	6.2	-999	5	350
401431127	2011	1	20	14	V	2.8	0.4	4.34	355
401431127	2011	1	20	15	V	1.8	0.4	4.99	12
401431127	2011	1	20	16	V	3.1	0.4	4.49	7
401431127	2011	1	20	17	V	3.4	0.3	3.37	12
401431127	2011	1	20	18	V	4.4	0.2	1.62	1
401431127	2011	1	20	19	V	3.1	0.2	0.74	260
401431127	2011	1	20	20	V	2.7	0.3	0.65	255

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	20	21	V	3.0	0.4	0.52	274
401431127	2011	1	20	22	V	2.9	0.5	0.74	237
401431127	2011	1	20	23	V	5.5	0.4	0.63	224
401431127	2011	1	20	24	V	8.3	0.4	0.63	217
401431127	2011	1	21	1	C	-999	0.2	0	0
401431127	2011	1	21	2	V	2.7	0.1	0.69	273
401431127	2011	1	21	3	C	-999	0.2	0	0
401431127	2011	1	21	4	V	2.8	0.2	0.86	225
401431127	2011	1	21	5	V	2.5	0.2	0.62	238
401431127	2011	1	21	6	V	4.3	0.4	1.11	197
401431127	2011	1	21	7	V	5.9	0.5	1.14	199
401431127	2011	1	21	8	V	2.4	0.2	2.03	175
401431127	2011	1	21	9	V	2.6	0.2	3.27	190
401431127	2011	1	21	10	V	3.1	0.1	3.76	189
401431127	2011	1	21	11	V	2.9	0.1	4.83	189
401431127	2011	1	21	12	V	5.6	1.1	4.9	193
401431127	2011	1	21	13	V	6.2	1.2	5.67	189
401431127	2011	1	21	14	V	3.1	1.2	5.77	197
401431127	2011	1	21	15	V	1.9	1.6	5.84	192
401431127	2011	1	21	16	V	3.3	2.7	4.42	194
401431127	2011	1	21	17	V	3.3	1.8	3.63	184
401431127	2011	1	21	18	V	4.3	0.6	3.34	183
401431127	2011	1	21	19	V	2.9	0.3	1.99	178
401431127	2011	1	21	20	V	2.4	0.3	1.89	185
401431127	2011	1	21	21	V	2.8	3.1	0.96	183
401431127	2011	1	21	22	V	3.7	4.8	0.92	194
401431127	2011	1	21	23	V	3.9	3.1	0.84	246
401431127	2011	1	21	24	V	3.4	0.5	0.82	325
401431127	2011	1	22	1	V	2.8	0.3	0.67	59
401431127	2011	1	22	2	V	14.8	0.2	0.92	209
401431127	2011	1	22	3	V	6.4	0.4	0.89	218
401431127	2011	1	22	4	V	2.1	0.3	0.89	277
401431127	2011	1	22	5	V	2.4	0.2	0.65	257
401431127	2011	1	22	6	V	2.3	0.2	0.62	266
401431127	2011	1	22	7	V	1.8	0.3	1.11	186
401431127	2011	1	22	8	V	2.9	0.1	0.77	228
401431127	2011	1	22	9	V	2.2	0.3	1.06	188
401431127	2011	1	22	10	V	3.7	1.9	1.21	178
401431127	2011	1	22	11	V	3.4	6.2	1.59	174
401431127	2011	1	22	12	V	5.4	1.3	3.59	180
401431127	2011	1	22	13	V	6.2	0.9	4.39	173
401431127	2011	1	22	14	V	2.8	0.8	4.93	180
401431127	2011	1	22	15	V	1.8	0.8	4.71	169
401431127	2011	1	22	16	V	3.1	0.7	5.28	159
401431127	2011	1	22	17	V	3.3	0.6	4.37	137
401431127	2011	1	22	18	V	4.3	0.5	3.47	150

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	22	19	V	2.9	0.5	3.54	136
401431127	2011	1	22	20	V	2.4	0.4	4.32	141
401431127	2011	1	22	21	V	2.6	0.6	3.44	151
401431127	2011	1	22	22	V	2.7	0.5	2.33	157
401431127	2011	1	22	23	V	3.7	0.3	1.96	162
401431127	2011	1	22	24	V	3.2	0.3	2.64	177
401431127	2011	1	23	1	V	2.4	0.2	1.26	233
401431127	2011	1	23	2	V	2.6	0.2	0.91	345
401431127	2011	1	23	3	V	2.1	0.2	0.84	258
401431127	2011	1	23	4	V	2.2	0.2	0.7	254
401431127	2011	1	23	5	V	2.2	0.2	1.08	257
401431127	2011	1	23	6	V	2.0	0.1	2.16	317
401431127	2011	1	23	7	V	1.6	0.1	3.88	346
401431127	2011	1	23	8	V	2.4	0.1	2.27	327
401431127	2011	1	23	9	V	2.0	0.1	3.39	319
401431127	2011	1	23	10	V	2.9	0.1	3.91	320
401431127	2011	1	23	11	V	2.8	0.1	4	324
401431127	2011	1	23	12	V	5.3	0.1	4.09	315
401431127	2011	1	23	13	V	6.2	0.1	3.57	325
401431127	2011	1	23	14	V	2.8	0.1	3.74	323
401431127	2011	1	23	15	V	1.9	0.1	3.27	326
401431127	2011	1	23	16	V	3.2	0.2	2.81	340
401431127	2011	1	23	17	V	3.4	0.2	2.93	321
401431127	2011	1	23	18	V	4.3	0.2	2.45	338
401431127	2011	1	23	19	V	2.9	0.2	2.32	338
401431127	2011	1	23	20	V	2.4	0.3	1.82	358
401431127	2011	1	23	21	V	2.8	0.2	1.06	14
401431127	2011	1	23	22	V	3.0	0.2	0.69	9
401431127	2011	1	23	23	V	4.0	0.2	0.75	161
401431127	2011	1	23	24	V	5.9	0.2	1.23	219
401431127	2011	1	24	1	V	2.7	0.2	0.57	236
401431127	2011	1	24	2	V	2.8	0.1	0.52	248
401431127	2011	1	24	3	C	-999	0	0	0
401431127	2011	1	24	4	V	2.0	0.1	1.04	230
401431127	2011	1	24	5	V	2.2	0.1	1.06	241
401431127	2011	1	24	6	V	2.6	0.2	0.53	188
401431127	2011	1	24	7	V	1.8	0.3	0.91	250
401431127	2011	1	24	8	V	11.8	0.7	1.04	203
401431127	2011	1	24	9	V	2.1	0.5	1.06	167
401431127	2011	1	24	10	V	3.8	0.6	1.01	152
401431127	2011	1	24	11	V	3.4	1	1.62	176
401431127	2011	1	24	12	V	5.8	1.4	1.57	160
401431127	2011	1	24	13	V	6.4	3.3	2.11	169
401431127	2011	1	24	14	V	3.2	4	1.54	120
401431127	2011	1	24	15	V	2.3	2.5	1.25	110
401431127	2011	1	24	16	V	3.8	1.9	1.77	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	24	17	V	3.4	1.6	2.03	9
401431127	2011	1	24	18	V	5.5	1.2	1.89	40
401431127	2011	1	24	19	V	2.9	0.5	2.15	19
401431127	2011	1	24	20	V	2.4	0.3	3.29	10
401431127	2011	1	24	21	V	2.6	0.2	2.25	5
401431127	2011	1	24	22	V	2.7	0.2	2.03	5
401431127	2011	1	24	23	V	3.7	0.2	2.33	6
401431127	2011	1	24	24	V	3.2	0.2	2.13	8
401431127	2011	1	25	1	V	2.4	0.1	1.72	3
401431127	2011	1	25	2	V	2.5	0.1	1.08	349
401431127	2011	1	25	3	V	2.3	0.1	0.65	34
401431127	2011	1	25	4	V	2.2	0.1	0.7	349
401431127	2011	1	25	5	C	-999	0.1	0	0
401431127	2011	1	25	6	V	2.3	0.1	0.7	346
401431127	2011	1	25	7	V	2.0	0.2	0.55	262
401431127	2011	1	25	8	V	2.6	0.4	0.89	8
401431127	2011	1	25	9	V	2.2	0.5	0.86	299
401431127	2011	1	25	10	V	3.1	0.2	2.45	21
401431127	2011	1	25	11	V	3.0	0.2	2.66	26
401431127	2011	1	25	12	V	5.5	0.5	2.25	7
401431127	2011	1	25	13	V	7.3	0.5	2.25	35
401431127	2011	1	25	14	V	3.4	0.5	2.1	66
401431127	2011	1	25	15	V	1.9	0.4	1.99	286
401431127	2011	1	25	16	V	3.2	0.2	2.39	326
401431127	2011	1	25	17	V	3.3	0.1	2.13	335
401431127	2011	1	25	18	V	4.4	0.2	1.04	313
401431127	2011	1	25	19	V	3.3	0.3	0.58	294
401431127	2011	1	25	20	V	3.2	0.4	0.63	228
401431127	2011	1	25	21	V	3.0	0.6	0.55	259
401431127	2011	1	25	22	V	3.2	0.6	0.53	234
401431127	2011	1	25	23	V	4.0	0.7	0.7	278
401431127	2011	1	25	24	C	-999	0.3	0	0
401431127	2011	1	26	1	C	-999	0.1	0	0
401431127	2011	1	26	2	V	11.0	0.1	0.75	213
401431127	2011	1	26	3	C	-999	0.3	0	0
401431127	2011	1	26	4	V	2.2	0.6	0.63	245
401431127	2011	1	26	5	V	9.1	0.3	0.72	215
401431127	2011	1	26	6	V	3.8	0.2	0.75	223
401431127	2011	1	26	7	V	2.0	0.2	0.58	279
401431127	2011	1	26	8	V	6.6	0.1	1.28	199
401431127	2011	1	26	9	V	2.0	0.3	1.57	308
401431127	2011	1	26	10	V	3.1	0.4	2.32	312
401431127	2011	1	26	11	V	2.9	0.4	3.4	310
401431127	2011	1	26	12	V	5.4	0.6	3.49	303
401431127	2011	1	26	13	V	6.2	0.8	4.05	298
401431127	2011	1	26	14	V	2.8	0.8	4.07	309

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	26	15	V	1.8	0.7	3.54	301
401431127	2011	1	26	16	V	3.1	0.7	3.42	307
401431127	2011	1	26	17	V	3.3	0.5	3.54	308
401431127	2011	1	26	18	V	4.3	0.3	2.06	303
401431127	2011	1	26	19	V	3.0	0.3	1.09	312
401431127	2011	1	26	20	V	2.4	0.3	1.71	331
401431127	2011	1	26	21	V	2.7	0.1	1.74	336
401431127	2011	1	26	22	V	2.8	0.2	1.54	339
401431127	2011	1	26	23	V	3.8	0.2	1.14	316
401431127	2011	1	26	24	V	3.6	0.2	0.6	285
401431127	2011	1	27	1	V	2.5	0.2	0.92	278
401431127	2011	1	27	2	V	2.6	0.2	0.94	250
401431127	2011	1	27	3	V	2.7	0.2	0.72	227
401431127	2011	1	27	4	V	4.0	0.1	0.69	195
401431127	2011	1	27	5	V	3.3	0.1	1.04	195
401431127	2011	1	27	6	V	2.2	0.1	0.74	258
401431127	2011	1	27	7	V	1.8	0.1	1.21	186
401431127	2011	1	27	8	V	4.8	0.1	0.6	222
401431127	2011	1	27	9	V	16.8	0.5	1.33	206
401431127	2011	1	27	10	V	3.2	3.4	1.86	177
401431127	2011	1	27	11	V	4.3	0.7	3.42	220
401431127	2011	1	27	12	V	5.4	0.4	4.42	228
401431127	2011	1	27	13	V	6.2	0.3	4.19	240
401431127	2011	1	27	14	V	2.8	0.3	4.19	280
401431127	2011	1	27	15	V	1.8	1.1	4.17	286
401431127	2011	1	27	16	V	3.1	2.4	3.52	275
401431127	2011	1	27	17	V	3.3	0.6	3.2	280
401431127	2011	1	27	18	V	4.3	0.6	2.47	291
401431127	2011	1	27	19	V	3.0	1.4	1.43	249
401431127	2011	1	27	20	V	2.4	1.1	1.5	251
401431127	2011	1	27	21	V	2.7	0.4	1.3	252
401431127	2011	1	27	22	C	-999	0.5	0	0
401431127	2011	1	27	23	V	5.0	0.9	0.79	224
401431127	2011	1	27	24	V	3.4	1	0.89	250
401431127	2011	1	28	1	V	2.6	0.6	0.77	252
401431127	2011	1	28	2	V	2.8	0.4	0.53	284
401431127	2011	1	28	3	V	2.3	0.5	0.52	258
401431127	2011	1	28	4	C	-999	0.3	0	0
401431127	2011	1	28	5	V	2.5	0.2	0.55	235
401431127	2011	1	28	6	C	-999	0.2	0	0
401431127	2011	1	28	7	V	1.9	0.2	0.7	255
401431127	2011	1	28	8	V	3.9	0.4	0.53	225
401431127	2011	1	28	9	V	8.4	0.4	0.87	216
401431127	2011	1	28	10	V	3.5	2.1	1.16	165
401431127	2011	1	28	11	V	3.5	16.7	1.73	181
401431127	2011	1	28	12	V	6.3	6.4	2	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	28	13	V	6.8	8	2.96	211
401431127	2011	1	28	14	V	2.9	1.1	3.35	240
401431127	2011	1	28	15	V	1.8	0.6	3.81	240
401431127	2011	1	28	16	V	3.2	0.3	3.98	231
401431127	2011	1	28	17	V	3.5	0.2	3.15	226
401431127	2011	1	28	18	V	13.2	0.3	1.47	216
401431127	2011	1	28	19	V	3.5	0.9	1.08	224
401431127	2011	1	28	20	C	-999	1.1	0	0
401431127	2011	1	28	21	V	3.0	1	0.57	292
401431127	2011	1	28	22	V	3.0	0.9	0.65	272
401431127	2011	1	28	23	V	4.0	1	0.77	313
401431127	2011	1	28	24	C	-999	1.1	0	0
401431127	2011	1	29	1	V	2.8	0.8	0.72	229
401431127	2011	1	29	2	V	2.5	0.6	1.06	299
401431127	2011	1	29	3	V	2.1	0.5	0.75	257
401431127	2011	1	29	4	V	2.1	0.4	0.84	304
401431127	2011	1	29	5	V	2.3	0.3	0.89	328
401431127	2011	1	29	6	V	2.1	0.3	1.06	241
401431127	2011	1	29	7	V	2.0	0.3	0.62	294
401431127	2011	1	29	8	C	-999	0.4	0	0
401431127	2011	1	29	9	V	2.4	0.5	0.52	163
401431127	2011	1	29	10	V	4.2	0.8	0.84	171
401431127	2011	1	29	11	V	3.0	1	2.32	174
401431127	2011	1	29	12	V	5.4	0.6	4.07	185
401431127	2011	1	29	13	V	6.2	0.6	4.61	183
401431127	2011	1	29	14	V	2.9	0.7	6.43	189
401431127	2011	1	29	15	V	1.9	0.8	6.3	191
401431127	2011	1	29	16	V	3.1	1.3	6.36	189
401431127	2011	1	29	17	V	3.3	1.7	5.44	183
401431127	2011	1	29	18	V	4.3	2	4.37	183
401431127	2011	1	29	19	V	2.9	2	3	180
401431127	2011	1	29	20	V	2.4	2.6	2.28	178
401431127	2011	1	29	21	V	11.8	1.8	0.77	213
401431127	2011	1	29	22	V	3.0	1.5	0.67	323
401431127	2011	1	29	23	V	4.0	1.3	0.75	315
401431127	2011	1	29	24	V	3.6	0.8	0.63	307
401431127	2011	1	30	1	V	2.3	0.5	2.32	340
401431127	2011	1	30	2	V	2.4	0.2	5.53	14
401431127	2011	1	30	3	V	1.9	0.2	6.28	14
401431127	2011	1	30	4	V	1.9	0.3	5.92	17
401431127	2011	1	30	5	V	2.1	0.2	6.35	13
401431127	2011	1	30	6	V	2.0	0.3	6.33	13
401431127	2011	1	30	7	V	1.6	0.3	6.14	15
401431127	2011	1	30	8	V	2.4	0.3	5.53	9
401431127	2011	1	30	9	V	2.0	0.3	6.35	17
401431127	2011	1	30	10	V	2.9	0.2	6.53	20

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	1	30	11	V	2.8	0.2	5.94	16
401431127	2011	1	30	12	V	5.3	0.2	5.79	13
401431127	2011	1	30	13	V	6.1	0.2	5.68	11
401431127	2011	1	30	14	V	2.8	0.2	5.82	14
401431127	2011	1	30	15	V	1.8	0.2	6.04	23
401431127	2011	1	30	16	V	3.1	0.1	4.87	13
401431127	2011	1	30	17	V	3.3	0.2	5.36	28
401431127	2011	1	30	18	V	4.3	0.8	4.54	22
401431127	2011	1	30	19	V	2.9	1.7	4.59	21
401431127	2011	1	30	20	V	2.4	0.9	4.65	24
401431127	2011	1	30	21	V	2.6	1	4.08	22
401431127	2011	1	30	22	V	2.7	1.3	3.47	18
401431127	2011	1	30	23	V	3.7	0.8	2.72	4
401431127	2011	1	30	24	V	3.2	0.4	3.08	19
401431127	2011	1	31	1	V	2.3	0.4	2.5	16
401431127	2011	1	31	2	V	2.4	0.4	2.16	358
401431127	2011	1	31	3	V	1.9	0.3	2.13	340
401431127	2011	1	31	4	V	1.9	0.3	2.52	350
401431127	2011	1	31	5	V	2.1	0.3	1.99	357
401431127	2011	1	31	6	V	2.0	0.3	1.48	322
401431127	2011	1	31	7	V	1.7	0.3	1.45	334
401431127	2011	1	31	8	V	2.4	0.3	1.94	327
401431127	2011	1	31	9	V	2.0	0.2	2.16	294
401431127	2011	1	31	10	V	3.1	0.2	1.77	308
401431127	2011	1	31	11	V	3.0	0.3	2.05	297
401431127	2011	1	31	12	V	5.4	0.3	2.13	283
401431127	2011	1	31	13	V	6.2	0.4	3.13	288
401431127	2011	1	31	14	V	2.9	0.4	2.5	303
401431127	2011	1	31	15	V	1.9	0.3	3.05	310
401431127	2011	1	31	16	V	3.1	0.2	3.39	319
401431127	2011	1	31	17	V	3.4	0.1	3.3	329
401431127	2011	1	31	18	V	4.3	0.1	3.39	340
401431127	2011	1	31	19	V	2.9	0.1	3.85	339
401431127	2011	1	31	20	V	2.4	0.1	3.49	340
401431127	2011	1	31	21	V	2.6	0.1	4.6	350
401431127	2011	1	31	22	V	2.7	0.1	4.39	353
401431127	2011	1	31	23	V	3.7	0	4.83	341
401431127	2011	1	31	24	V	3.2	0	4.54	346
401431127	2011	2	1	1	V	2.3	0	4.78	347
401431127	2011	2	1	2	V	2.4	0	4.97	351
401431127	2011	2	1	3	V	1.9	0	5.82	353
401431127	2011	2	1	4	V	1.9	0	6.09	355
401431127	2011	2	1	5	V	2.1	0	6.75	354
401431127	2011	2	1	6	V	2.0	0	5.8	344
401431127	2011	2	1	7	V	1.6	0	5.53	338
401431127	2011	2	1	8	V	2.4	0	5.8	346

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	1	9	V	2.0	0	5.22	334
401431127	2011	2	1	10	V	2.9	0	6.74	328
401431127	2011	2	1	11	V	2.8	0	5.68	327
401431127	2011	2	1	12	V	5.3	0.1	6.13	317
401431127	2011	2	1	13	V	6.1	0.1	6.64	325
401431127	2011	2	1	14	V	2.8	0.1	5.63	322
401431127	2011	2	1	15	V	1.8	0.1	5.85	313
401431127	2011	2	1	16	V	3.1	0.1	6.16	315
401431127	2011	2	1	17	V	3.3	0.1	5.72	321
401431127	2011	2	1	18	V	4.3	0.1	5.24	320
401431127	2011	2	1	19	V	2.9	0.1	5.19	316
401431127	2011	2	1	20	V	2.4	0.1	4.88	321
401431127	2011	2	1	21	V	2.6	0.1	4.8	315
401431127	2011	2	1	22	V	2.7	0.3	4.37	316
401431127	2011	2	1	23	V	3.7	0.4	4.6	329
401431127	2011	2	1	24	V	3.2	0.3	3.81	327
401431127	2011	2	2	1	V	2.3	0.3	3.76	318
401431127	2011	2	2	2	V	2.4	0.3	3.73	327
401431127	2011	2	2	3	V	1.9	0.2	3.8	331
401431127	2011	2	2	4	V	1.9	0.2	4.27	345
401431127	2011	2	2	5	V	2.1	0.1	4.6	345
401431127	2011	2	2	6	V	2.0	0.1	4.41	347
401431127	2011	2	2	7	V	1.6	0.1	3.59	344
401431127	2011	2	2	8	V	2.4	0.1	2.67	330
401431127	2011	2	2	9	V	2.0	0.2	2.86	324
401431127	2011	2	2	10	V	2.9	0.2	4.32	350
401431127	2011	2	2	11	V	2.8	0.2	4.24	341
401431127	2011	2	2	12	V	5.3	0.2	4.7	359
401431127	2011	2	2	13	V	6.2	0.1	4.02	12
401431127	2011	2	2	14	V	2.8	0.2	3.92	10
401431127	2011	2	2	15	V	1.8	0.2	3.8	12
401431127	2011	2	2	16	V	3.1	0.2	4.49	19
401431127	2011	2	2	17	V	3.3	0.2	4.44	21
401431127	2011	2	2	18	V	4.3	0.2	3.61	17
401431127	2011	2	2	19	V	2.9	0.2	2.93	11
401431127	2011	2	2	20	V	2.4	0.1	2.44	5
401431127	2011	2	2	21	V	2.6	0.1	2.47	353
401431127	2011	2	2	22	V	2.7	0.1	1.96	349
401431127	2011	2	2	23	V	3.7	0.1	3.32	9
401431127	2011	2	2	24	V	3.2	0.2	4.15	10
401431127	2011	2	3	1	V	2.3	0.2	3.68	18
401431127	2011	2	3	2	V	2.4	0.2	3.46	11
401431127	2011	2	3	3	V	1.9	0.1	3.1	14
401431127	2011	2	3	4	V	1.9	0.2	2.86	6
401431127	2011	2	3	5	V	2.1	0.2	2.79	7
401431127	2011	2	3	6	V	2.0	0.3	2.32	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	3	7	V	1.6	0.3	3.07	2
401431127	2011	2	3	8	V	2.4	0.3	3.29	14
401431127	2011	2	3	9	V	2.0	0.4	2.62	20
401431127	2011	2	3	10	V	3.1	0.6	2.62	21
401431127	2011	2	3	11	V	5.4	1.3	1.79	56
401431127	2011	2	3	12	V	5.9	1.7	1.21	90
401431127	2011	2	3	13	V	6.8	2.7	1.84	30
401431127	2011	2	3	14	V	2.9	2.7	3.56	26
401431127	2011	2	3	15	V	2.0	2.2	1.47	75
401431127	2011	2	3	16	V	3.5	1.1	2.21	33
401431127	2011	2	3	17	V	3.4	1.2	2.49	21
401431127	2011	2	3	18	V	6.1	3.2	2.01	53
401431127	2011	2	3	19	V	2.9	4.8	2.25	24
401431127	2011	2	3	20	V	2.9	2.5	1.04	36
401431127	2011	2	3	21	C	-999	2.6	0	0
401431127	2011	2	3	22	V	2.9	2.3	0.99	352
401431127	2011	2	3	23	V	3.8	1.9	1.71	9
401431127	2011	2	3	24	V	3.3	1.6	1.65	8
401431127	2011	2	4	1	V	2.5	1.7	1.13	3
401431127	2011	2	4	2	V	2.7	1.8	0.65	275
401431127	2011	2	4	3	V	2.0	1.8	1.03	312
401431127	2011	2	4	4	V	2.1	1.6	0.89	268
401431127	2011	2	4	5	V	2.4	1.5	0.69	307
401431127	2011	2	4	6	V	2.3	1.2	0.72	332
401431127	2011	2	4	7	C	-999	1.1	0	0
401431127	2011	2	4	8	V	2.6	1.1	0.84	259
401431127	2011	2	4	9	V	2.1	1.3	0.94	238
401431127	2011	2	4	10	V	9.8	3.2	1.79	217
401431127	2011	2	4	11	V	3.6	9	0.94	250
401431127	2011	2	4	12	V	6.2	7	0.91	95
401431127	2011	2	4	13	V	6.4	5.6	1.33	20
401431127	2011	2	4	14	V	3.0	3.8	1.88	333
401431127	2011	2	4	15	V	2.0	2	1.84	310
401431127	2011	2	4	16	V	3.3	1.9	1.45	301
401431127	2011	2	4	17	V	3.5	1.7	1.06	276
401431127	2011	2	4	18	V	4.6	0.6	0.82	291
401431127	2011	2	4	19	C	-999	0.3	0	0
401431127	2011	2	4	20	V	10.9	0.2	0.84	215
401431127	2011	2	4	21	V	13.5	0.2	0.72	210
401431127	2011	2	4	22	V	17.1	0.1	1.25	204
401431127	2011	2	4	23	V	3.8	0.2	1.28	163
401431127	2011	2	4	24	V	3.3	1.2	1.82	186
401431127	2011	2	5	1	V	2.4	1.4	1.6	180
401431127	2011	2	5	2	V	2.5	1	1.55	186
401431127	2011	2	5	3	V	1.9	0.5	1.69	173
401431127	2011	2	5	4	V	1.9	0.1	1.72	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	5	5	V	2.2	0.1	1.48	182
401431127	2011	2	5	6	V	2.1	0.1	1.26	176
401431127	2011	2	5	7	V	11.3	0.1	1.18	202
401431127	2011	2	5	8	V	12.6	0.2	1.03	203
401431127	2011	2	5	9	V	2.6	0.4	1.18	183
401431127	2011	2	5	10	V	3.0	2.7	3.23	181
401431127	2011	2	5	11	V	2.9	7.2	3.37	176
401431127	2011	2	5	12	V	5.4	1.1	3.93	185
401431127	2011	2	5	13	V	6.3	0.7	4.03	188
401431127	2011	2	5	14	V	3.1	0.7	3.32	188
401431127	2011	2	5	15	V	1.9	0.6	4.03	187
401431127	2011	2	5	16	V	4.5	0.6	4.17	198
401431127	2011	2	5	17	V	3.9	0.5	4.24	195
401431127	2011	2	5	18	V	4.9	0.6	2.98	194
401431127	2011	2	5	19	V	3.0	0.5	1.55	187
401431127	2011	2	5	20	V	2.4	0.4	1.89	181
401431127	2011	2	5	21	V	2.7	0.4	1.53	187
401431127	2011	2	5	22	V	2.7	0.4	1.89	182
401431127	2011	2	5	23	V	3.8	0.3	2.01	179
401431127	2011	2	5	24	V	3.3	0.3	1.72	188
401431127	2011	2	6	1	V	2.5	0.2	1.08	175
401431127	2011	2	6	2	V	2.5	0.2	1.01	160
401431127	2011	2	6	3	V	2.7	0.2	0.72	227
401431127	2011	2	6	4	V	2.2	0.2	0.65	244
401431127	2011	2	6	5	V	2.4	0.2	0.67	269
401431127	2011	2	6	6	V	2.4	0.1	0.6	324
401431127	2011	2	6	7	V	4.2	0.2	0.86	221
401431127	2011	2	6	8	V	2.7	0.2	0.75	276
401431127	2011	2	6	9	C	-999	0.2	0	0
401431127	2011	2	6	10	V	3.3	0.3	1.21	10
401431127	2011	2	6	11	V	3.1	0.6	1.74	14
401431127	2011	2	6	12	V	5.4	0.5	3.03	17
401431127	2011	2	6	13	V	6.2	0.3	4.09	13
401431127	2011	2	6	14	V	2.8	0.2	4.9	15
401431127	2011	2	6	15	V	1.8	0.2	4.7	16
401431127	2011	2	6	16	V	3.1	0.2	3.63	14
401431127	2011	2	6	17	V	3.3	0.2	3.44	15
401431127	2011	2	6	18	V	4.3	0.2	2.95	12
401431127	2011	2	6	19	V	2.9	0.1	4.46	12
401431127	2011	2	6	20	V	2.4	0.1	4.22	15
401431127	2011	2	6	21	V	2.6	0.1	3.85	4
401431127	2011	2	6	22	V	2.7	0.1	3.93	354
401431127	2011	2	6	23	V	3.7	0.1	4.17	358
401431127	2011	2	6	24	V	3.2	0.1	3.3	352
401431127	2011	2	7	1	V	2.3	0.1	3.54	340
401431127	2011	2	7	2	V	2.4	0.1	3.47	333

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	7	3	V	1.9	0.1	3.12	329
401431127	2011	2	7	4	V	1.9	0.1	4.46	339
401431127	2011	2	7	5	V	2.1	0.1	3.81	342
401431127	2011	2	7	6	V	2.0	0.1	3.9	341
401431127	2011	2	7	7	V	1.6	0.1	3.9	342
401431127	2011	2	7	8	V	2.4	0.1	3.34	344
401431127	2011	2	7	9	V	2.0	0.1	2.49	313
401431127	2011	2	7	10	V	3.0	0.1	2.88	320
401431127	2011	2	7	11	V	2.8	0.1	4.17	347
401431127	2011	2	7	12	V	5.3	0.1	3.73	342
401431127	2011	2	7	13	V	6.2	0.1	3.35	315
401431127	2011	2	7	14	V	2.8	0.1	3.03	317
401431127	2011	2	7	15	V	1.8	0.1	3.27	294
401431127	2011	2	7	16	V	3.1	0.1	2.71	311
401431127	2011	2	7	17	V	3.3	0.1	1.72	332
401431127	2011	2	7	18	V	4.4	0.1	1.31	261
401431127	2011	2	7	19	C	-999	0.1	0	0
401431127	2011	2	7	20	V	2.6	0.2	1.07	135
401431127	2011	2	7	21	V	2.9	0.1	0.84	177
401431127	2011	2	7	22	V	2.9	0.1	1.04	180
401431127	2011	2	7	23	V	3.9	0.4	1.21	123
401431127	2011	2	7	24	V	3.3	0.2	1.72	139
401431127	2011	2	8	1	V	2.4	0.1	1.94	129
401431127	2011	2	8	2	V	2.5	0.1	1.14	107
401431127	2011	2	8	3	V	1.9	0.1	2.59	94
401431127	2011	2	8	4	V	1.9	0	1.94	119
401431127	2011	2	8	5	V	2.1	0.1	2.27	73
401431127	2011	2	8	6	V	6.6	0.1	3.63	46
401431127	2011	2	8	7	V	1.6	0	3.85	36
401431127	2011	2	8	8	V	2.4	0.1	4.66	29
401431127	2011	2	8	9	V	2.5	1.1	6.89	38
401431127	2011	2	8	10	V	3.1	0.7	6.5	38
401431127	2011	2	8	11	V	4.8	0.6	6.38	43
401431127	2011	2	8	12	V	8.1	0.4	6.53	46
401431127	2011	2	8	13	V	8.8	0.3	6.75	46
401431127	2011	2	8	14	V	5.7	0.2	6.58	49
401431127	2011	2	8	15	V	5.1	0.3	6.5	47
401431127	2011	2	8	16	V	4.2	1.4	7.01	42
401431127	2011	2	8	17	V	3.3	2.1	6.47	27
401431127	2011	2	8	18	V	4.3	0.6	6.14	14
401431127	2011	2	8	19	V	2.9	0.3	6.14	11
401431127	2011	2	8	20	V	2.4	0.5	5.97	4
401431127	2011	2	8	21	V	2.6	0.3	7.35	16
401431127	2011	2	8	22	V	2.7	0.4	8.16	26
401431127	2011	2	8	23	V	3.7	0.4	6.94	24
401431127	2011	2	8	24	V	3.2	0.2	7.35	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	9	1	V	2.3	0.1	6.67	16
401431127	2011	2	9	2	V	2.4	0.2	7.23	17
401431127	2011	2	9	3	V	1.9	0.2	7.48	19
401431127	2011	2	9	4	V	1.9	0.3	6.57	17
401431127	2011	2	9	5	V	2.1	0.2	5.62	5
401431127	2011	2	9	6	V	2.0	0.2	5.09	12
401431127	2011	2	9	7	V	1.6	0.2	4.63	1
401431127	2011	2	9	8	V	2.4	0.1	5.65	358
401431127	2011	2	9	9	V	2.0	0.3	5.31	356
401431127	2011	2	9	10	V	2.9	0.5	5.31	4
401431127	2011	2	9	11	V	2.8	0.9	4.37	354
401431127	2011	2	9	12	V	5.3	1.6	6.11	10
401431127	2011	2	9	13	V	6.1	1.4	5.5	6
401431127	2011	2	9	14	V	2.8	0.9	5.53	7
401431127	2011	2	9	15	V	1.8	0.9	6.12	6
401431127	2011	2	9	16	V	3.1	0.6	5.9	11
401431127	2011	2	9	17	V	3.3	0.4	4.49	2
401431127	2011	2	9	18	V	4.3	0.2	3.03	347
401431127	2011	2	9	19	V	2.9	0.1	2.16	324
401431127	2011	2	9	20	V	2.4	0.1	1.74	319
401431127	2011	2	9	21	V	2.7	0.1	1.76	316
401431127	2011	2	9	22	V	2.8	0.3	1.4	308
401431127	2011	2	9	23	V	3.8	0.2	1.2	288
401431127	2011	2	9	24	V	3.4	0.2	0.87	285
401431127	2011	2	10	1	V	2.5	0.3	0.99	298
401431127	2011	2	10	2	V	20.8	0.3	1.33	210
401431127	2011	2	10	3	V	2.3	0.3	0.84	229
401431127	2011	2	10	4	V	2.8	0.3	0.91	225
401431127	2011	2	10	5	V	2.2	0.3	1.14	263
401431127	2011	2	10	6	V	2.1	0.2	1.14	268
401431127	2011	2	10	7	V	1.8	0.4	0.99	270
401431127	2011	2	10	8	V	8.3	0.5	1.04	200
401431127	2011	2	10	9	V	2.2	0.3	1.91	236
401431127	2011	2	10	10	V	3.1	1.7	2.15	238
401431127	2011	2	10	11	V	9.3	1.1	1.96	200
401431127	2011	2	10	12	V	5.5	15.7	2.86	183
401431127	2011	2	10	13	V	6.3	10.4	3.2	183
401431127	2011	2	10	14	V	2.9	4.7	2.66	171
401431127	2011	2	10	15	V	1.9	1.2	3.54	171
401431127	2011	2	10	16	V	3.3	-999	2.86	187
401431127	2011	2	10	17	V	3.3	-999	3.24	177
401431127	2011	2	10	18	V	4.3	1	3.2	185
401431127	2011	2	10	19	V	3.0	0.4	2.06	185
401431127	2011	2	10	20	V	2.9	0.5	1.06	192
401431127	2011	2	10	21	V	3.0	0.6	0.99	227
401431127	2011	2	10	22	V	2.9	1.2	0.79	251

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	10	23	V	5.8	0.7	1.3	220
401431127	2011	2	10	24	V	3.4	0.8	0.86	237
401431127	2011	2	11	1	V	2.7	0.9	0.63	253
401431127	2011	2	11	2	V	2.8	1.9	0.6	289
401431127	2011	2	11	3	V	2.1	1.3	0.8	260
401431127	2011	2	11	4	V	2.3	0.7	0.96	190
401431127	2011	2	11	5	V	2.3	0.6	1.09	186
401431127	2011	2	11	6	V	8.0	0.3	1.06	200
401431127	2011	2	11	7	V	2.2	0.2	0.94	191
401431127	2011	2	11	8	V	3.0	0.4	0.67	230
401431127	2011	2	11	9	V	10.5	0.9	1.79	213
401431127	2011	2	11	10	V	3.8	1.7	1.94	230
401431127	2011	2	11	11	V	12.3	1.4	2.3	207
401431127	2011	2	11	12	V	14.0	1.9	2.49	206
401431127	2011	2	11	13	V	11.3	4.6	3.07	212
401431127	2011	2	11	14	V	3.3	0.8	4.02	223
401431127	2011	2	11	15	V	2.6	0.4	4.09	221
401431127	2011	2	11	16	V	3.1	0.3	4.24	230
401431127	2011	2	11	17	V	3.3	0.3	3.51	237
401431127	2011	2	11	18	V	4.3	0.3	2.86	234
401431127	2011	2	11	19	V	3.0	0.5	1.79	237
401431127	2011	2	11	20	V	2.7	0.9	0.72	289
401431127	2011	2	11	21	V	2.9	0.5	0.81	252
401431127	2011	2	11	22	V	3.3	0.5	0.57	231
401431127	2011	2	11	23	V	3.8	0.5	1.18	260
401431127	2011	2	11	24	V	7.7	0.5	0.77	219
401431127	2011	2	12	1	M	-999	0.5	999	999
401431127	2011	2	12	2	V	2.7	0.3	0.72	281
401431127	2011	2	12	3	V	6.8	0.3	0.6	218
401431127	2011	2	12	4	M	-999	0.2	999	999
401431127	2011	2	12	5	M	-999	0.1	999	999
401431127	2011	2	12	6	M	-999	0.1	999	999
401431127	2011	2	12	7	M	-999	0.1	999	999
401431127	2011	2	12	8	V	2.7	0.1	0.7	181
401431127	2011	2	12	9	V	2.4	0.5	1.2	176
401431127	2011	2	12	10	V	4.1	1.3	0.82	139
401431127	2011	2	12	11	V	3.1	8.4	2.01	171
401431127	2011	2	12	12	V	5.6	17.4	2.35	179
401431127	2011	2	12	13	V	6.2	13.3	3.32	181
401431127	2011	2	12	14	V	2.8	5	4.22	182
401431127	2011	2	12	15	V	1.8	2.9	4.29	183
401431127	2011	2	12	16	V	3.1	1.2	4.61	183
401431127	2011	2	12	17	V	3.4	0.8	3.88	191
401431127	2011	2	12	18	V	5.5	0.9	2.3	196
401431127	2011	2	12	19	V	16.7	1.1	1.57	203
401431127	2011	2	12	20	V	2.6	1.8	0.94	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	12	21	V	16.7	1.2	1.04	206
401431127	2011	2	12	22	V	11.1	0.9	1.54	201
401431127	2011	2	12	23	V	13.1	0.9	0.8	214
401431127	2011	2	12	24	V	4.0	5.3	0.91	192
401431127	2011	2	13	1	V	2.5	6	1.21	184
401431127	2011	2	13	2	C	-999	12.1	0	0
401431127	2011	2	13	3	C	-999	2.2	0	0
401431127	2011	2	13	4	C	-999	1.5	0	0
401431127	2011	2	13	5	V	6.9	0.6	0.57	218
401431127	2011	2	13	6	V	10.8	0.3	1.06	215
401431127	2011	2	13	7	V	2.0	0.3	0.82	229
401431127	2011	2	13	8	C	-999	0.4	0	0
401431127	2011	2	13	9	V	8.9	1.1	1.3	199
401431127	2011	2	13	10	V	3.1	7	2.71	181
401431127	2011	2	13	11	V	2.9	3.9	3.75	177
401431127	2011	2	13	12	V	5.4	0.9	4.48	184
401431127	2011	2	13	13	V	6.2	0.7	4.83	190
401431127	2011	2	13	14	V	2.9	1	4.99	189
401431127	2011	2	13	15	V	1.8	1.2	4.95	184
401431127	2011	2	13	16	V	3.1	1.3	4.15	183
401431127	2011	2	13	17	V	3.4	1.4	3.68	187
401431127	2011	2	13	18	V	4.4	1.8	2.67	187
401431127	2011	2	13	19	V	2.9	1.5	2.64	184
401431127	2011	2	13	20	V	2.5	1.2	1.28	185
401431127	2011	2	13	21	V	4.2	1.9	0.86	223
401431127	2011	2	13	22	V	5.9	15.6	1.14	52
401431127	2011	2	13	23	V	4.1	6.1	0.6	293
401431127	2011	2	13	24	V	3.6	1.7	0.63	277
401431127	2011	2	14	1	V	2.6	0.9	0.75	244
401431127	2011	2	14	2	C	-999	0.6	0	0
401431127	2011	2	14	3	V	1.9	0.8	4.1	15
401431127	2011	2	14	4	V	2.0	0.3	0.91	332
401431127	2011	2	14	5	V	2.1	0.2	1.74	14
401431127	2011	2	14	6	V	2.0	0.3	2.25	18
401431127	2011	2	14	7	V	1.6	0.2	2.18	16
401431127	2011	2	14	8	V	2.4	0.4	2.13	17
401431127	2011	2	14	9	V	2.0	0.8	3.25	20
401431127	2011	2	14	10	V	3.0	0.7	3.63	26
401431127	2011	2	14	11	V	3.1	0.6	4.87	34
401431127	2011	2	14	12	V	9.7	1.7	4.37	43
401431127	2011	2	14	13	V	7.0	0.7	3.05	34
401431127	2011	2	14	14	V	3.0	0.7	3.83	31
401431127	2011	2	14	15	V	2.0	0.6	4.31	33
401431127	2011	2	14	16	V	3.5	1.2	3.76	35
401431127	2011	2	14	17	V	3.5	0.7	3.47	33
401431127	2011	2	14	18	V	4.3	0.5	2.11	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	14	19	V	2.9	0.5	2.69	12
401431127	2011	2	14	20	V	2.4	0.5	3.34	18
401431127	2011	2	14	21	V	2.6	0.5	3.05	25
401431127	2011	2	14	22	V	2.7	0.4	1.91	20
401431127	2011	2	14	23	V	4.0	0.3	0.84	328
401431127	2011	2	14	24	V	3.6	0.3	0.7	337
401431127	2011	2	15	1	V	2.6	0.2	0.79	298
401431127	2011	2	15	2	C	-999	0.2	0	0
401431127	2011	2	15	3	V	2.2	0.2	0.72	1
401431127	2011	2	15	4	C	-999	0.2	0	0
401431127	2011	2	15	5	V	4.7	0.2	0.84	221
401431127	2011	2	15	6	V	19.6	0.2	1.16	211
401431127	2011	2	15	7	V	19.3	0.3	1.11	210
401431127	2011	2	15	8	V	2.4	0.7	2.91	157
401431127	2011	2	15	9	V	2.0	1	4.36	158
401431127	2011	2	15	10	V	2.9	0.9	4.78	168
401431127	2011	2	15	11	V	2.8	0.6	5	166
401431127	2011	2	15	12	V	5.4	0.5	3.81	150
401431127	2011	2	15	13	V	6.2	0.7	4.42	158
401431127	2011	2	15	14	V	2.9	0.7	3.54	154
401431127	2011	2	15	15	V	1.9	0.6	5.84	193
401431127	2011	2	15	16	V	3.3	1.2	5.11	193
401431127	2011	2	15	17	V	3.4	2	3.81	188
401431127	2011	2	15	18	V	4.3	1.2	2.27	168
401431127	2011	2	15	19	V	3.3	0.7	0.52	318
401431127	2011	2	15	20	V	2.7	0.5	0.75	122
401431127	2011	2	15	21	V	2.9	0.5	0.86	156
401431127	2011	2	15	22	V	3.0	0.5	0.65	145
401431127	2011	2	15	23	C	-999	0.5	0	0
401431127	2011	2	15	24	V	3.7	0.2	0.53	356
401431127	2011	2	16	1	C	-999	0.2	0	0
401431127	2011	2	16	2	C	-999	0.3	0	0
401431127	2011	2	16	3	V	7.3	0.2	0.77	218
401431127	2011	2	16	4	C	-999	0.2	0	0
401431127	2011	2	16	5	C	-999	0.2	0	0
401431127	2011	2	16	6	C	-999	0.2	0	0
401431127	2011	2	16	7	C	-999	0.2	0	0
401431127	2011	2	16	8	V	23.0	0.2	1.28	209
401431127	2011	2	16	9	V	2.1	0.1	2.18	182
401431127	2011	2	16	10	V	2.9	0.2	5.34	186
401431127	2011	2	16	11	V	2.8	0.2	6.13	182
401431127	2011	2	16	12	V	5.3	0.2	7.3	184
401431127	2011	2	16	13	V	6.1	0.3	7.21	179
401431127	2011	2	16	14	V	2.8	0.3	7.21	179
401431127	2011	2	16	15	V	1.8	0.3	7.64	183
401431127	2011	2	16	16	V	3.1	0.7	7.35	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	16	17	V	3.3	0.6	7.71	170
401431127	2011	2	16	18	V	4.3	0.5	7.48	169
401431127	2011	2	16	19	V	2.9	0.3	7.76	169
401431127	2011	2	16	20	V	2.4	0.2	8.28	181
401431127	2011	2	16	21	V	2.6	0.1	8.73	181
401431127	2011	2	16	22	V	2.7	0.1	6.92	178
401431127	2011	2	16	23	V	3.7	0.2	5.68	172
401431127	2011	2	16	24	V	3.2	0.2	4.82	172
401431127	2011	2	17	1	V	2.3	0.2	7.3	181
401431127	2011	2	17	2	V	2.4	0.3	7.4	185
401431127	2011	2	17	3	V	2.0	0.4	7.71	187
401431127	2011	2	17	4	V	2.3	0.4	7.01	190
401431127	2011	2	17	5	V	2.2	0.3	6.74	187
401431127	2011	2	17	6	V	2.5	0.3	7.54	191
401431127	2011	2	17	7	V	2.3	0.3	7.86	192
401431127	2011	2	17	8	V	3.1	0.3	7.77	192
401431127	2011	2	17	9	V	2.0	0.4	7.33	194
401431127	2011	2	17	10	V	3.4	2.6	8.9	200
401431127	2011	2	17	11	V	3.5	5.1	8.39	202
401431127	2011	2	17	12	V	6.3	4	9	205
401431127	2011	2	17	13	V	7.4	2.4	8.62	209
401431127	2011	2	17	14	V	3.2	2.2	7.77	198
401431127	2011	2	17	15	V	1.9	1.6	6.99	192
401431127	2011	2	17	16	V	3.1	2.9	7.38	191
401431127	2011	2	17	17	V	3.3	2.6	6.82	188
401431127	2011	2	17	18	V	4.6	0.9	6.09	189
401431127	2011	2	17	19	V	3.3	0.4	6.26	190
401431127	2011	2	17	20	V	2.4	0.5	4.34	176
401431127	2011	2	17	21	V	2.6	0.4	2.76	184
401431127	2011	2	17	22	V	2.7	0.4	3.08	185
401431127	2011	2	17	23	V	3.7	0.3	2.4	179
401431127	2011	2	17	24	V	3.3	0.2	1.84	179
401431127	2011	2	18	1	V	2.8	0.3	1.79	195
401431127	2011	2	18	2	V	2.4	0.3	1.84	306
401431127	2011	2	18	3	V	2.1	0.2	0.8	156
401431127	2011	2	18	4	V	23.5	0.3	1.98	211
401431127	2011	2	18	5	V	2.1	0.3	4.25	5
401431127	2011	2	18	6	V	2.0	0.4	5.9	11
401431127	2011	2	18	7	V	1.6	0.5	5.38	18
401431127	2011	2	18	8	V	2.4	0.6	4.56	14
401431127	2011	2	18	9	V	2.0	0.9	4.24	16
401431127	2011	2	18	10	V	2.9	2	5.29	24
401431127	2011	2	18	11	V	4.1	0.7	6.69	41
401431127	2011	2	18	12	V	5.3	0.6	6.06	63
401431127	2011	2	18	13	V	6.2	0.4	5.24	59
401431127	2011	2	18	14	V	2.8	0.3	4.99	70

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	18	15	V	1.9	0.4	3.69	82
401431127	2011	2	18	16	V	3.1	1.3	4.39	83
401431127	2011	2	18	17	V	3.3	1.5	3.49	103
401431127	2011	2	18	18	V	4.3	0.6	3.54	115
401431127	2011	2	18	19	V	2.9	0.8	2.98	106
401431127	2011	2	18	20	V	2.4	0.5	2.9	109
401431127	2011	2	18	21	V	2.6	0.4	2.95	113
401431127	2011	2	18	22	V	2.7	0.3	2.71	115
401431127	2011	2	18	23	V	3.8	0.6	1.72	138
401431127	2011	2	18	24	V	3.5	0.5	0.84	103
401431127	2011	2	19	1	V	2.5	0.3	1.14	122
401431127	2011	2	19	2	V	2.7	0.3	0.67	138
401431127	2011	2	19	3	V	1.9	0.2	2.1	124
401431127	2011	2	19	4	V	1.9	0.1	1.99	145
401431127	2011	2	19	5	V	2.1	0.1	1.59	156
401431127	2011	2	19	6	V	2.1	0.1	1.3	132
401431127	2011	2	19	7	V	1.8	0.1	0.99	86
401431127	2011	2	19	8	V	2.5	0.1	1.45	120
401431127	2011	2	19	9	V	2.1	0.1	2.37	150
401431127	2011	2	19	10	V	2.9	0.3	4.19	167
401431127	2011	2	19	11	V	2.8	0.6	4.88	169
401431127	2011	2	19	12	V	5.3	0.7	4.85	166
401431127	2011	2	19	13	V	6.2	0.6	4.15	161
401431127	2011	2	19	14	V	2.8	0.6	4.54	162
401431127	2011	2	19	15	V	1.8	0.6	5.12	168
401431127	2011	2	19	16	V	3.1	0.7	5.79	166
401431127	2011	2	19	17	V	3.3	0.6	5.77	164
401431127	2011	2	19	18	V	4.3	0.4	5.31	163
401431127	2011	2	19	19	V	2.9	0.4	5.38	164
401431127	2011	2	19	20	V	2.4	0.6	5.21	166
401431127	2011	2	19	21	V	2.6	0.6	5.17	165
401431127	2011	2	19	22	V	2.7	0.9	5.77	166
401431127	2011	2	19	23	V	3.7	0.9	5.94	165
401431127	2011	2	19	24	V	3.2	1.2	6.13	169
401431127	2011	2	20	1	V	2.3	1.7	5.6	165
401431127	2011	2	20	2	V	2.4	1.9	5.73	160
401431127	2011	2	20	3	V	1.9	1.6	6.38	162
401431127	2011	2	20	4	V	1.9	1.3	6.72	171
401431127	2011	2	20	5	V	2.1	0.9	4.75	173
401431127	2011	2	20	6	V	2.0	0.6	7.37	181
401431127	2011	2	20	7	V	1.7	0.5	7.84	187
401431127	2011	2	20	8	V	2.6	0.4	7.67	189
401431127	2011	2	20	9	V	1.9	0.3	8.86	189
401431127	2011	2	20	10	V	2.9	0.2	9.59	192
401431127	2011	2	20	11	V	2.8	0.1	8.25	192
401431127	2011	2	20	12	V	5.4	0.1	8.57	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	20	13	V	6.3	0.1	9.13	196
401431127	2011	2	20	14	V	3.0	0.3	9.93	196
401431127	2011	2	20	15	V	2.0	0.5	9.41	196
401431127	2011	2	20	16	V	3.2	0.4	8.57	194
401431127	2011	2	20	17	V	3.3	0.2	7.5	192
401431127	2011	2	20	18	V	4.7	0.1	5.89	190
401431127	2011	2	20	19	V	3.4	0.1	3.78	192
401431127	2011	2	20	20	V	2.4	0.1	2.73	188
401431127	2011	2	20	21	V	2.6	0.1	3.35	186
401431127	2011	2	20	22	V	2.7	0.1	3.68	187
401431127	2011	2	20	23	V	3.8	0.1	4.59	185
401431127	2011	2	20	24	V	3.3	0.1	4.71	185
401431127	2011	2	21	1	V	2.7	0.2	4.32	191
401431127	2011	2	21	2	V	2.7	0.2	3.92	191
401431127	2011	2	21	3	V	3.6	1	5	195
401431127	2011	2	21	4	V	6.9	0.6	4.46	219
401431127	2011	2	21	5	V	2.1	0.1	5.51	355
401431127	2011	2	21	6	V	2.0	0	5.12	348
401431127	2011	2	21	7	V	1.6	0	4.99	343
401431127	2011	2	21	8	V	2.4	0	4.85	343
401431127	2011	2	21	9	V	2.0	0	3.91	339
401431127	2011	2	21	10	V	2.9	0	4.02	328
401431127	2011	2	21	11	V	2.8	0	5.12	320
401431127	2011	2	21	12	V	5.3	0.2	4.85	332
401431127	2011	2	21	13	V	6.2	0.4	4.39	348
401431127	2011	2	21	14	V	2.9	0.2	3.29	333
401431127	2011	2	21	15	V	1.9	0.2	3.44	343
401431127	2011	2	21	16	V	3.3	0.4	1.93	302
401431127	2011	2	21	17	V	3.4	0.6	3.49	349
401431127	2011	2	21	18	V	4.3	0.3	2.27	356
401431127	2011	2	21	19	V	2.9	0.2	2.3	343
401431127	2011	2	21	20	V	2.4	0.1	2.1	338
401431127	2011	2	21	21	V	2.6	0.1	2.28	346
401431127	2011	2	21	22	V	2.7	0.1	2.86	359
401431127	2011	2	21	23	V	3.7	0.2	4.03	11
401431127	2011	2	21	24	V	3.2	0.1	4.36	13
401431127	2011	2	22	1	V	2.3	0.1	3.2	5
401431127	2011	2	22	2	V	2.4	0	3.75	10
401431127	2011	2	22	3	V	1.9	0.1	3.27	20
401431127	2011	2	22	4	V	1.9	0	3.03	20
401431127	2011	2	22	5	V	2.1	0	2.83	28
401431127	2011	2	22	6	V	10.7	0	2.25	46
401431127	2011	2	22	7	V	1.7	0	3.54	39
401431127	2011	2	22	8	V	2.4	0.1	2.78	38
401431127	2011	2	22	9	V	6.6	0.2	2.67	43
401431127	2011	2	22	10	V	3.1	0.2	4.37	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	22	11	V	4.6	3.5	5.05	40
401431127	2011	2	22	12	V	9.4	1.9	4.36	43
401431127	2011	2	22	13	V	6.5	12.3	1.59	127
401431127	2011	2	22	14	V	5.4	9.6	2.03	54
401431127	2011	2	22	15	V	1.9	3.3	2.83	80
401431127	2011	2	22	16	V	3.2	1.7	2.79	102
401431127	2011	2	22	17	V	3.4	0.7	3.2	113
401431127	2011	2	22	18	V	4.3	1.5	3.27	117
401431127	2011	2	22	19	V	3.0	3.3	1.45	107
401431127	2011	2	22	20	V	2.6	2.4	0.8	93
401431127	2011	2	22	21	V	3.0	1.2	0.67	27
401431127	2011	2	22	22	V	3.0	0.7	0.67	315
401431127	2011	2	22	23	V	3.9	0.5	0.96	181
401431127	2011	2	22	24	V	3.4	0.5	0.92	154
401431127	2011	2	23	1	V	2.3	0.4	2.76	148
401431127	2011	2	23	2	V	2.4	0.3	2.88	149
401431127	2011	2	23	3	V	1.9	0.4	2.78	149
401431127	2011	2	23	4	V	1.9	0.4	3.23	160
401431127	2011	2	23	5	V	2.1	0.4	4.32	165
401431127	2011	2	23	6	V	2.0	0.5	4.44	164
401431127	2011	2	23	7	V	1.6	0.6	3.9	168
401431127	2011	2	23	8	V	2.4	0.7	4.39	165
401431127	2011	2	23	9	V	1.9	0.6	4.58	165
401431127	2011	2	23	10	V	2.9	0.7	4.49	165
401431127	2011	2	23	11	V	2.8	0.8	5.24	168
401431127	2011	2	23	12	V	5.3	0.9	6.01	175
401431127	2011	2	23	13	V	6.1	1.1	5.92	180
401431127	2011	2	23	14	V	2.8	0.9	6.99	190
401431127	2011	2	23	15	V	2.0	1.8	6.77	195
401431127	2011	2	23	16	V	3.3	0.8	6.28	195
401431127	2011	2	23	17	V	3.3	0.6	6.11	190
401431127	2011	2	23	18	V	4.3	0.6	5.31	181
401431127	2011	2	23	19	V	2.9	0.6	4.54	176
401431127	2011	2	23	20	V	2.4	1	4.15	172
401431127	2011	2	23	21	V	2.6	0.9	4.53	180
401431127	2011	2	23	22	V	2.7	0.8	3.42	165
401431127	2011	2	23	23	V	3.7	0.8	2.81	169
401431127	2011	2	23	24	V	3.3	1	1.35	163
401431127	2011	2	24	1	V	2.4	0.9	1.99	133
401431127	2011	2	24	2	V	2.4	0.7	1.77	130
401431127	2011	2	24	3	V	1.9	0.7	1.99	103
401431127	2011	2	24	4	V	1.9	0.3	2.42	116
401431127	2011	2	24	5	V	2.1	0.2	2.81	96
401431127	2011	2	24	6	V	2.0	0.2	2.89	121
401431127	2011	2	24	7	V	1.6	0.2	3.34	137
401431127	2011	2	24	8	V	2.4	0.2	3.66	137

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	24	9	V	2.0	0.2	2.62	141
401431127	2011	2	24	10	V	3.0	0.1	2.64	22
401431127	2011	2	24	11	V	3.0	0.1	2.38	27
401431127	2011	2	24	12	V	5.4	0.1	3.39	13
401431127	2011	2	24	13	V	6.7	0.1	4.25	37
401431127	2011	2	24	14	V	2.8	0.1	3.86	26
401431127	2011	2	24	15	V	1.8	0.2	3.12	12
401431127	2011	2	24	16	V	3.1	0.2	3	2
401431127	2011	2	24	17	V	3.3	0.1	3.52	353
401431127	2011	2	24	18	V	4.3	0.1	3.27	353
401431127	2011	2	24	19	V	2.9	0	3.44	336
401431127	2011	2	24	20	V	2.4	0	4.58	324
401431127	2011	2	24	21	V	2.6	0	4.82	335
401431127	2011	2	24	22	V	2.7	0	4.78	328
401431127	2011	2	24	23	V	3.7	0	4.71	334
401431127	2011	2	24	24	V	3.2	0	4.37	341
401431127	2011	2	25	1	V	2.3	0	4.75	354
401431127	2011	2	25	2	V	2.4	0	4.82	359
401431127	2011	2	25	3	V	1.9	0	4.22	8
401431127	2011	2	25	4	V	1.9	0	4.07	5
401431127	2011	2	25	5	V	2.1	0	4.59	10
401431127	2011	2	25	6	V	2.0	0	4.68	2
401431127	2011	2	25	7	V	1.6	0	3.88	6
401431127	2011	2	25	8	V	2.4	0	3.98	3
401431127	2011	2	25	9	V	2.0	0	3.68	6
401431127	2011	2	25	10	V	3.0	0	3.03	3
401431127	2011	2	25	11	V	2.8	0	3.2	2
401431127	2011	2	25	12	V	5.3	0.1	3.69	13
401431127	2011	2	25	13	V	6.2	-999	3.39	13
401431127	2011	2	25	14	V	2.8	-999	3.3	21
401431127	2011	2	25	15	V	3.0	0.6	3.12	38
401431127	2011	2	25	16	V	3.6	0.3	2.18	33
401431127	2011	2	25	17	V	3.3	0.2	2.15	15
401431127	2011	2	25	18	V	4.3	0.1	2.39	7
401431127	2011	2	25	19	V	2.9	0.1	3.25	17
401431127	2011	2	25	20	V	2.4	0.1	3.54	27
401431127	2011	2	25	21	V	2.6	0	2.03	6
401431127	2011	2	25	22	V	2.7	0	1.94	348
401431127	2011	2	25	23	V	3.7	0	2.22	359
401431127	2011	2	25	24	V	3.2	0	3.1	12
401431127	2011	2	26	1	V	2.3	0	2.98	8
401431127	2011	2	26	2	V	2.4	0	2.74	13
401431127	2011	2	26	3	V	1.9	0	2.62	19
401431127	2011	2	26	4	V	1.9	0	2.66	20
401431127	2011	2	26	5	V	2.1	0	2.83	20
401431127	2011	2	26	6	V	2.0	0.1	2.49	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	26	7	V	5.4	0	2.33	43
401431127	2011	2	26	8	V	2.4	0	1.84	70
401431127	2011	2	26	9	V	2.1	0.1	2.22	126
401431127	2011	2	26	10	V	3.0	0.1	2.86	146
401431127	2011	2	26	11	V	2.9	0.1	3.58	168
401431127	2011	2	26	12	V	5.3	0.1	3.91	181
401431127	2011	2	26	13	V	6.3	0.3	4.36	193
401431127	2011	2	26	14	V	4.1	1.4	4.65	200
401431127	2011	2	26	15	V	5.1	0.6	4.02	213
401431127	2011	2	26	16	V	4.4	0.5	2.59	224
401431127	2011	2	26	17	V	3.8	3.9	1.08	269
401431127	2011	2	26	18	V	4.4	1.4	1.76	28
401431127	2011	2	26	19	V	2.9	0.4	2.27	23
401431127	2011	2	26	20	V	2.4	0.2	2.66	32
401431127	2011	2	26	21	V	2.6	0.2	3.13	34
401431127	2011	2	26	22	V	2.7	0.1	2.95	24
401431127	2011	2	26	23	V	3.7	0.1	2.91	22
401431127	2011	2	26	24	V	3.3	0.1	1.82	35
401431127	2011	2	27	1	V	2.4	0.1	1.18	12
401431127	2011	2	27	2	C	-999	0.1	0	0
401431127	2011	2	27	3	C	-999	0.2	0	0
401431127	2011	2	27	4	V	2.0	0.2	1.09	186
401431127	2011	2	27	5	V	2.2	0.2	1.16	173
401431127	2011	2	27	6	V	2.1	0.2	1.33	156
401431127	2011	2	27	7	V	1.6	0.2	3.52	169
401431127	2011	2	27	8	V	2.4	0.3	4.37	181
401431127	2011	2	27	9	V	1.9	0.2	5.3	176
401431127	2011	2	27	10	V	2.9	0.2	5.92	173
401431127	2011	2	27	11	V	2.8	0.2	5.63	171
401431127	2011	2	27	12	V	5.3	0.2	5.44	171
401431127	2011	2	27	13	V	6.1	0.1	7.59	177
401431127	2011	2	27	14	V	2.8	0.1	8.05	180
401431127	2011	2	27	15	V	1.8	0.1	8.79	184
401431127	2011	2	27	16	V	3.1	0.1	9.02	183
401431127	2011	2	27	17	V	3.3	0.1	7.84	186
401431127	2011	2	27	18	V	4.3	0.1	5.53	175
401431127	2011	2	27	19	V	2.9	0.1	4.42	164
401431127	2011	2	27	20	V	2.4	0.1	4.51	168
401431127	2011	2	27	21	V	2.6	0.1	2.84	180
401431127	2011	2	27	22	V	3.3	0.1	4.76	192
401431127	2011	2	27	23	V	19.8	1.7	3.64	211
401431127	2011	2	27	24	V	3.2	1.2	3.46	254
401431127	2011	2	28	1	V	2.3	0.1	5.55	5
401431127	2011	2	28	2	V	2.4	0	3.91	358
401431127	2011	2	28	3	V	1.9	0	3.32	329
401431127	2011	2	28	4	V	1.9	0	4.65	320

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	2	28	5	V	2.1	0	5.99	330
401431127	2011	2	28	6	V	2.0	0	6.3	350
401431127	2011	2	28	7	V	1.6	0	5.72	355
401431127	2011	2	28	8	V	2.4	0	4.99	346
401431127	2011	2	28	9	V	1.9	0	4.83	346
401431127	2011	2	28	10	V	2.9	0	4.54	344
401431127	2011	2	28	11	V	2.8	0.1	4.65	356
401431127	2011	2	28	12	V	5.3	0.2	3.91	354
401431127	2011	2	28	13	V	6.2	0.2	4.7	358
401431127	2011	2	28	14	V	2.8	0.2	4.63	11
401431127	2011	2	28	15	V	1.8	0.2	4.63	13
401431127	2011	2	28	16	V	3.1	0.2	4.12	17
401431127	2011	2	28	17	V	3.3	0.2	3.8	9
401431127	2011	2	28	18	V	4.3	0.2	4.1	26
401431127	2011	2	28	19	V	2.9	0.3	2.62	32
401431127	2011	2	28	20	V	2.4	0.3	2.28	25
401431127	2011	2	28	21	V	2.9	0.1	1.09	35
401431127	2011	2	28	22	C	-999	0.3	0	0
401431127	2011	2	28	23	V	4.1	0.2	0.69	263
401431127	2011	2	28	24	V	3.5	0.1	0.8	272
401431127	2011	3	1	1	V	1.8	0.2	0.87	226
401431127	2011	3	1	2	V	1.2	0.2	0.67	238
401431127	2011	3	1	3	C	-999	0.4	0	0
401431127	2011	3	1	4	V	1.9	0.3	0.67	225
401431127	2011	3	1	5	V	6.9	0.2	0.53	212
401431127	2011	3	1	6	V	3.6	0.2	0.79	220
401431127	2011	3	1	7	V	11.9	0.4	1.03	213
401431127	2011	3	1	8	V	4.0	0.6	1.25	177
401431127	2011	3	1	9	V	1.5	0.5	1.79	171
401431127	2011	3	1	10	V	2.4	1	4.15	178
401431127	2011	3	1	11	V	2.0	0.7	4.75	190
401431127	2011	3	1	12	V	2.2	2.1	5.48	189
401431127	2011	3	1	13	V	3.7	4.7	5.38	205
401431127	2011	3	1	14	V	3.7	1.1	5.73	209
401431127	2011	3	1	15	V	2.9	0.8	5.34	209
401431127	2011	3	1	16	V	2.9	0.7	4.83	213
401431127	2011	3	1	17	V	4.6	1.1	4	215
401431127	2011	3	1	18	V	13.1	2.7	3.63	203
401431127	2011	3	1	19	V	1.7	4.2	1.65	190
401431127	2011	3	1	20	V	5.4	6	1.55	198
401431127	2011	3	1	21	V	4.4	2	0.86	41
401431127	2011	3	1	22	V	1.8	0.9	0.6	305
401431127	2011	3	1	23	V	7.7	0.7	0.67	215
401431127	2011	3	1	24	V	7.7	0.5	0.8	216
401431127	2011	3	2	1	V	1.6	0.3	0.65	253
401431127	2011	3	2	2	C	-999	0.3	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	2	3	C	-999	0.2	0	0
401431127	2011	3	2	4	C	-999	0.2	0	0
401431127	2011	3	2	5	C	-999	0.2	0	0
401431127	2011	3	2	6	V	0.7	0.2	1.04	347
401431127	2011	3	2	7	V	1.1	0.2	2.04	11
401431127	2011	3	2	8	V	4.0	0.4	1.3	25
401431127	2011	3	2	9	V	2.9	0.3	0.7	64
401431127	2011	3	2	10	V	3.3	0.5	1.33	74
401431127	2011	3	2	11	V	2.1	0.6	2.1	93
401431127	2011	3	2	12	V	2.3	1	2.35	129
401431127	2011	3	2	13	V	2.4	1.5	2.83	144
401431127	2011	3	2	14	V	2.4	1.3	3	110
401431127	2011	3	2	15	V	1.7	1.7	3.66	104
401431127	2011	3	2	16	V	2.0	2	4.66	132
401431127	2011	3	2	17	V	3.6	5.7	4.75	131
401431127	2011	3	2	18	V	3.7	6.7	3.95	145
401431127	2011	3	2	19	V	1.5	2.6	2.88	166
401431127	2011	3	2	20	V	2.9	0.4	2.22	138
401431127	2011	3	2	21	V	2.8	0.4	1.87	153
401431127	2011	3	2	22	V	1.6	0.3	0.96	167
401431127	2011	3	2	23	V	2.1	0.3	0.82	224
401431127	2011	3	2	24	V	1.5	0.5	1.6	178
401431127	2011	3	3	1	V	1.4	0.5	1.37	165
401431127	2011	3	3	2	V	0.9	0.5	2.23	154
401431127	2011	3	3	3	V	0.6	0.5	1.11	167
401431127	2011	3	3	4	V	0.5	0.7	2.79	163
401431127	2011	3	3	5	V	1.4	0.9	3.29	155
401431127	2011	3	3	6	V	0.6	0.8	1.81	176
401431127	2011	3	3	7	V	1.1	0.6	2.83	157
401431127	2011	3	3	8	V	4.0	0.5	2.74	153
401431127	2011	3	3	9	V	1.3	0.8	4.03	149
401431127	2011	3	3	10	V	2.4	1	5.45	160
401431127	2011	3	3	11	V	1.9	1.3	5.99	166
401431127	2011	3	3	12	V	2.2	1.5	6.11	162
401431127	2011	3	3	13	V	2.3	1.5	5.85	167
401431127	2011	3	3	14	V	2.3	2.1	7.01	171
401431127	2011	3	3	15	V	1.7	2.2	7.45	172
401431127	2011	3	3	16	V	2.0	2.8	7.11	170
401431127	2011	3	3	17	V	3.6	2.5	7.46	182
401431127	2011	3	3	18	V	3.8	2.4	3.36	179
401431127	2011	3	3	19	V	1.5	2.1	2.36	173
401431127	2011	3	3	20	V	2.9	1.6	2.36	156
401431127	2011	3	3	21	V	2.7	1.4	2.86	172
401431127	2011	3	3	22	V	1.8	1.7	1.33	193
401431127	2011	3	3	23	V	1.2	1.5	1.21	183
401431127	2011	3	3	24	V	1.6	1.2	1.42	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	4	1	V	1.4	1.2	1.54	165
401431127	2011	3	4	2	V	1.0	1.2	1.38	165
401431127	2011	3	4	3	V	0.5	0.9	1.74	157
401431127	2011	3	4	4	V	0.6	0.6	2.35	148
401431127	2011	3	4	5	V	1.4	0.6	2.42	150
401431127	2011	3	4	6	V	0.5	0.4	2.2	143
401431127	2011	3	4	7	V	1.1	0.2	2.88	151
401431127	2011	3	4	8	V	4.0	0.3	3.34	151
401431127	2011	3	4	9	V	1.3	0.4	3.73	157
401431127	2011	3	4	10	V	2.4	0.4	4.78	173
401431127	2011	3	4	11	V	1.9	0.4	5.46	178
401431127	2011	3	4	12	V	2.2	0.4	5.67	182
401431127	2011	3	4	13	V	3.4	0.3	4.36	199
401431127	2011	3	4	14	V	3.2	2.8	3.12	222
401431127	2011	3	4	15	V	1.9	1.5	1.47	267
401431127	2011	3	4	16	V	2.0	0.4	3.25	300
401431127	2011	3	4	17	V	3.6	0.1	4.63	349
401431127	2011	3	4	18	V	3.7	0.1	4.71	354
401431127	2011	3	4	19	V	1.5	0	4.58	347
401431127	2011	3	4	20	V	2.9	0	5.63	349
401431127	2011	3	4	21	V	2.7	0	5.19	353
401431127	2011	3	4	22	V	1.4	0	5.51	356
401431127	2011	3	4	23	V	1.1	0	5.8	357
401431127	2011	3	4	24	V	1.5	0	5.44	351
401431127	2011	3	5	1	V	1.3	0	5	342
401431127	2011	3	5	2	V	0.9	0	4.68	347
401431127	2011	3	5	3	V	0.4	0	4.9	346
401431127	2011	3	5	4	V	0.5	0	5.5	347
401431127	2011	3	5	5	V	1.4	0.1	4.9	347
401431127	2011	3	5	6	V	0.5	0.1	3.98	347
401431127	2011	3	5	7	V	1.1	0	4.68	338
401431127	2011	3	5	8	V	3.9	0	4.95	337
401431127	2011	3	5	9	V	1.2	0	4.49	349
401431127	2011	3	5	10	V	2.4	0	4.54	348
401431127	2011	3	5	11	V	1.9	0.1	4.36	343
401431127	2011	3	5	12	V	2.2	0.1	5.12	344
401431127	2011	3	5	13	V	2.3	0.1	5.26	1
401431127	2011	3	5	14	V	2.3	0.1	5.67	5
401431127	2011	3	5	15	V	1.7	0.1	5.36	4
401431127	2011	3	5	16	V	2.0	0.1	5.31	359
401431127	2011	3	5	17	V	3.6	0.1	4.54	359
401431127	2011	3	5	18	V	3.7	0.1	3.73	3
401431127	2011	3	5	19	V	1.5	0.1	3.08	20
401431127	2011	3	5	20	V	2.9	0.1	1.93	7
401431127	2011	3	5	21	V	2.7	0.1	2.37	22
401431127	2011	3	5	22	V	1.5	0.1	1.54	2

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	5	23	V	1.1	0.1	1.84	9
401431127	2011	3	5	24	V	1.6	0.1	1.08	340
401431127	2011	3	6	1	V	1.4	0	1.09	3
401431127	2011	3	6	2	V	1.1	0	0.92	7
401431127	2011	3	6	3	V	0.5	0	1.25	16
401431127	2011	3	6	4	V	0.6	0	1.33	16
401431127	2011	3	6	5	V	1.5	0	1.55	13
401431127	2011	3	6	6	V	0.6	0	1.28	22
401431127	2011	3	6	7	V	1.3	0	0.7	296
401431127	2011	3	6	8	V	4.3	0.1	0.82	189
401431127	2011	3	6	9	V	1.3	0.6	2.66	136
401431127	2011	3	6	10	V	2.5	3.6	2.76	133
401431127	2011	3	6	11	V	2.0	2.5	2.2	129
401431127	2011	3	6	12	V	2.3	1.2	2.32	136
401431127	2011	3	6	13	V	2.4	1.5	2.57	142
401431127	2011	3	6	14	V	2.3	3.1	4.14	159
401431127	2011	3	6	15	V	1.7	0.3	4.51	161
401431127	2011	3	6	16	V	2.0	0.3	4.05	156
401431127	2011	3	6	17	V	3.6	0.4	4.48	149
401431127	2011	3	6	18	V	3.7	0.4	4.22	138
401431127	2011	3	6	19	V	1.5	0.4	4.2	136
401431127	2011	3	6	20	V	2.9	0.4	3.8	139
401431127	2011	3	6	21	V	2.7	0.5	3.9	139
401431127	2011	3	6	22	V	1.4	0.9	4.39	138
401431127	2011	3	6	23	V	1.1	0.3	3.81	144
401431127	2011	3	6	24	V	1.5	0.2	3.18	146
401431127	2011	3	7	1	V	1.3	0.2	3.29	144
401431127	2011	3	7	2	V	0.9	0.1	3.54	144
401431127	2011	3	7	3	V	0.4	0.1	3.95	154
401431127	2011	3	7	4	V	0.5	0.1	4.46	148
401431127	2011	3	7	5	V	1.4	0.1	4.48	149
401431127	2011	3	7	6	V	0.5	0.2	4.58	142
401431127	2011	3	7	7	V	1.1	0.2	5.51	140
401431127	2011	3	7	8	V	3.9	0.2	5.51	134
401431127	2011	3	7	9	V	1.2	0.4	5.8	139
401431127	2011	3	7	10	V	2.4	0.5	5.68	151
401431127	2011	3	7	11	V	1.9	0.5	6.74	155
401431127	2011	3	7	12	V	2.2	0.4	7.28	157
401431127	2011	3	7	13	V	2.3	0.3	6.43	166
401431127	2011	3	7	14	V	2.3	0.3	6.24	158
401431127	2011	3	7	15	V	1.7	0.3	6.87	118
401431127	2011	3	7	16	V	2.0	0.3	6.91	111
401431127	2011	3	7	17	V	3.6	0.3	7.08	119
401431127	2011	3	7	18	V	3.7	0.3	6.11	123
401431127	2011	3	7	19	V	1.5	1.6	4.88	124
401431127	2011	3	7	20	V	2.9	4	3.86	124

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	7	21	V	2.7	3.3	3.18	112
401431127	2011	3	7	22	V	1.4	1.3	3.64	105
401431127	2011	3	7	23	V	1.1	1	4.49	108
401431127	2011	3	7	24	V	1.5	2.1	4.49	109
401431127	2011	3	8	1	V	1.3	1	4.6	113
401431127	2011	3	8	2	V	0.9	0.6	4.2	107
401431127	2011	3	8	3	V	0.4	0.2	5.38	109
401431127	2011	3	8	4	V	0.5	0.2	5.05	112
401431127	2011	3	8	5	V	1.4	0.1	3.12	74
401431127	2011	3	8	6	V	0.5	0	3.05	65
401431127	2011	3	8	7	V	1.1	0	2.2	75
401431127	2011	3	8	8	V	4.0	0	3.37	115
401431127	2011	3	8	9	V	1.3	0	2.61	80
401431127	2011	3	8	10	V	5.2	0	2.64	45
401431127	2011	3	8	11	V	3.2	0.1	2.79	39
401431127	2011	3	8	12	V	2.2	0	3.08	81
401431127	2011	3	8	13	V	2.9	0.1	1.76	62
401431127	2011	3	8	14	V	2.4	0	2.33	13
401431127	2011	3	8	15	V	1.7	0	3.1	13
401431127	2011	3	8	16	V	2.0	0	3.66	9
401431127	2011	3	8	17	V	3.6	0	3.74	356
401431127	2011	3	8	18	V	3.7	0	2.91	2
401431127	2011	3	8	19	V	1.5	0	1.62	349
401431127	2011	3	8	20	V	2.9	0	2.18	328
401431127	2011	3	8	21	V	2.7	0	3.44	322
401431127	2011	3	8	22	V	1.4	0	2.66	337
401431127	2011	3	8	23	V	1.1	0	3.12	347
401431127	2011	3	8	24	V	1.5	0	3.54	343
401431127	2011	3	9	1	V	1.3	0	3.3	336
401431127	2011	3	9	2	V	0.9	0	3.3	331
401431127	2011	3	9	3	V	0.5	0	2.96	319
401431127	2011	3	9	4	V	0.6	0	3.2	314
401431127	2011	3	9	5	V	1.4	0	3.29	328
401431127	2011	3	9	6	V	0.5	0	3.24	319
401431127	2011	3	9	7	V	1.1	0	3.61	312
401431127	2011	3	9	8	V	4.0	0	3.18	316
401431127	2011	3	9	9	V	1.2	0.1	3.69	304
401431127	2011	3	9	10	V	2.4	0	3.91	310
401431127	2011	3	9	11	V	1.9	0.1	4.07	311
401431127	2011	3	9	12	V	2.2	0.1	3.58	304
401431127	2011	3	9	13	V	2.3	0.1	4.27	296
401431127	2011	3	9	14	V	2.3	0	4.27	297
401431127	2011	3	9	15	V	1.7	0.1	4.41	301
401431127	2011	3	9	16	V	2.0	0.1	4.53	310
401431127	2011	3	9	17	V	3.6	0.1	4.76	322
401431127	2011	3	9	18	V	3.7	0.1	4.09	330

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	9	19	V	1.5	0	2.76	328
401431127	2011	3	9	20	V	3.0	0	0.97	303
401431127	2011	3	9	21	V	2.9	0.2	0.82	266
401431127	2011	3	9	22	V	1.4	0.2	1.67	282
401431127	2011	3	9	23	V	1.1	0	2.61	314
401431127	2011	3	9	24	V	1.5	0	2.93	323
401431127	2011	3	10	1	V	1.3	0	3.47	328
401431127	2011	3	10	2	V	0.9	0	4.32	338
401431127	2011	3	10	3	V	0.4	0	3.42	333
401431127	2011	3	10	4	V	0.5	0	2.23	317
401431127	2011	3	10	5	V	1.4	0	1.5	308
401431127	2011	3	10	6	V	0.5	0	1.26	305
401431127	2011	3	10	7	V	1.1	0	1.5	323
401431127	2011	3	10	8	V	4.0	0.1	2.83	357
401431127	2011	3	10	9	V	1.3	0.1	3.15	342
401431127	2011	3	10	10	V	2.4	0.2	3.44	1
401431127	2011	3	10	11	V	1.9	0.3	4.24	16
401431127	2011	3	10	12	V	2.2	0.2	3.05	344
401431127	2011	3	10	13	V	2.3	0.2	3.13	336
401431127	2011	3	10	14	V	2.3	-999	2.91	314
401431127	2011	3	10	15	V	1.7	-999	2.33	313
401431127	2011	3	10	16	V	2.0	0.2	2.47	315
401431127	2011	3	10	17	V	3.6	0.3	2.86	312
401431127	2011	3	10	18	V	3.7	0.1	1.64	329
401431127	2011	3	10	19	C	-999	0.2	0	0
401431127	2011	3	10	20	V	3.2	0.4	0.6	259
401431127	2011	3	10	21	V	9.9	0.5	0.67	214
401431127	2011	3	10	22	V	1.5	0.3	1.01	186
401431127	2011	3	10	23	V	1.1	0.3	1.81	180
401431127	2011	3	10	24	V	1.5	0.5	2.28	166
401431127	2011	3	11	1	V	1.3	0.3	2.3	167
401431127	2011	3	11	2	V	0.9	0.2	1.47	158
401431127	2011	3	11	3	V	4.7	0.2	0.96	199
401431127	2011	3	11	4	V	8.2	0.3	0.97	215
401431127	2011	3	11	5	V	3.2	0.2	0.96	196
401431127	2011	3	11	6	V	0.6	0.3	1.09	177
401431127	2011	3	11	7	V	1.1	0.3	1.31	166
401431127	2011	3	11	8	V	4.0	0.4	1.21	167
401431127	2011	3	11	9	V	1.2	0.6	4.17	178
401431127	2011	3	11	10	V	2.4	1.9	6.64	188
401431127	2011	3	11	11	V	2.0	1	8.49	196
401431127	2011	3	11	12	V	2.2	0.9	10.05	192
401431127	2011	3	11	13	V	2.4	1.2	9.63	193
401431127	2011	3	11	14	V	2.4	0.8	10.04	193
401431127	2011	3	11	15	V	1.7	0.9	9.88	188
401431127	2011	3	11	16	V	2.0	1.4	8.71	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	11	17	V	3.6	1.2	9.08	192
401431127	2011	3	11	18	V	3.7	1.4	7.26	192
401431127	2011	3	11	19	V	1.6	1.3	4.97	187
401431127	2011	3	11	20	V	2.9	0.9	3.9	170
401431127	2011	3	11	21	V	2.7	0.9	2.1	178
401431127	2011	3	11	22	V	1.4	1	1.77	162
401431127	2011	3	11	23	V	1.1	0.8	2.49	171
401431127	2011	3	11	24	V	1.5	1.1	1.08	154
401431127	2011	3	12	1	V	3.7	0.7	0.96	220
401431127	2011	3	12	2	V	3.8	0.4	0.62	221
401431127	2011	3	12	3	V	0.5	0.3	1.23	353
401431127	2011	3	12	4	V	0.5	0.2	2.42	13
401431127	2011	3	12	5	V	1.4	0.1	2.4	16
401431127	2011	3	12	6	V	0.6	0.1	1.14	348
401431127	2011	3	12	7	V	9.2	0.1	0.63	210
401431127	2011	3	12	8	V	10.1	0.4	0.62	202
401431127	2011	3	12	9	V	1.4	0.7	2.04	154
401431127	2011	3	12	10	V	2.4	0.9	3.15	162
401431127	2011	3	12	11	V	1.9	1.2	2.79	148
401431127	2011	3	12	12	V	2.2	1.1	2.59	123
401431127	2011	3	12	13	V	2.4	1	2.3	101
401431127	2011	3	12	14	V	2.4	0.9	2.55	25
401431127	2011	3	12	15	V	1.7	0.9	2.89	27
401431127	2011	3	12	16	V	2.0	1.1	3.41	17
401431127	2011	3	12	17	V	3.6	1.2	3.78	31
401431127	2011	3	12	18	V	3.7	1	4.95	18
401431127	2011	3	12	19	V	1.5	0.8	5.97	35
401431127	2011	3	12	20	V	2.9	0.7	4.32	30
401431127	2011	3	12	21	V	2.7	0.6	4.44	28
401431127	2011	3	12	22	V	1.4	1.4	3.8	20
401431127	2011	3	12	23	V	1.1	1.6	4.2	18
401431127	2011	3	12	24	V	1.5	1.1	4.58	24
401431127	2011	3	13	1	V	1.3	0.9	4.99	30
401431127	2011	3	13	2	V	0.9	0.9	4.76	27
401431127	2011	3	13	3	V	0.4	0.7	4.07	26
401431127	2011	3	13	4	V	0.5	0.5	4.54	23
401431127	2011	3	13	5	V	1.4	0.5	5.63	28
401431127	2011	3	13	6	V	0.5	0.5	4.9	30
401431127	2011	3	13	7	V	1.1	0.5	4.54	25
401431127	2011	3	13	8	V	3.9	0.5	4.66	35
401431127	2011	3	13	9	V	1.2	0.4	4.87	44
401431127	2011	3	13	10	V	2.4	0.4	3.83	23
401431127	2011	3	13	11	V	1.9	0.4	3.8	26
401431127	2011	3	13	12	V	2.2	0.5	4.14	28
401431127	2011	3	13	13	V	2.3	0.6	3.97	31
401431127	2011	3	13	14	V	2.3	0.6	3.25	26

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	13	15	V	1.7	0.5	3.15	26
401431127	2011	3	13	16	V	2.0	0.5	4.07	10
401431127	2011	3	13	17	V	3.6	0.4	4.39	2
401431127	2011	3	13	18	V	3.7	0.3	5.51	19
401431127	2011	3	13	19	V	1.5	0.1	5.1	26
401431127	2011	3	13	20	V	2.9	0.1	3.93	25
401431127	2011	3	13	21	V	2.7	0	3.66	353
401431127	2011	3	13	22	V	1.4	0	4.85	356
401431127	2011	3	13	23	V	1.1	0	5.21	347
401431127	2011	3	13	24	V	1.5	0	5.44	355
401431127	2011	3	14	1	V	1.3	0	5.73	5
401431127	2011	3	14	2	V	0.9	0	4.92	352
401431127	2011	3	14	3	V	0.4	0	4.82	350
401431127	2011	3	14	4	V	0.5	0	4.78	344
401431127	2011	3	14	5	V	1.4	0	4.59	347
401431127	2011	3	14	6	V	0.5	0	4.78	343
401431127	2011	3	14	7	V	1.1	0	5.46	354
401431127	2011	3	14	8	V	3.9	0	5.5	1
401431127	2011	3	14	9	V	1.2	0	5.53	359
401431127	2011	3	14	10	V	2.4	0	5.21	360
401431127	2011	3	14	11	V	1.9	0	4.9	356
401431127	2011	3	14	12	V	2.2	0	4.36	348
401431127	2011	3	14	13	V	2.3	0	3.93	340
401431127	2011	3	14	14	V	2.3	-999	4.14	326
401431127	2011	3	14	15	V	1.7	-999	4.14	330
401431127	2011	3	14	16	V	2.0	-999	3.97	333
401431127	2011	3	14	17	V	3.6	0	3.34	334
401431127	2011	3	14	18	V	3.7	0	2.55	326
401431127	2011	3	14	19	V	1.5	0	3.41	7
401431127	2011	3	14	20	V	2.9	0	2.96	13
401431127	2011	3	14	21	V	2.7	0	2.36	348
401431127	2011	3	14	22	V	1.4	0	3.36	30
401431127	2011	3	14	23	V	1.1	0	3.36	17
401431127	2011	3	14	24	V	1.5	0	3.86	20
401431127	2011	3	15	1	V	1.3	0	2.47	20
401431127	2011	3	15	2	V	0.9	0	2.81	21
401431127	2011	3	15	3	V	0.4	0	2.57	17
401431127	2011	3	15	4	V	0.5	0	2.56	11
401431127	2011	3	15	5	C	-999	0	0	0
401431127	2011	3	15	6	V	0.5	0	1.76	46
401431127	2011	3	15	7	C	-999	0	0	0
401431127	2011	3	15	8	V	4.0	0	0.95	54
401431127	2011	3	15	9	V	1.9	0.1	1.16	142
401431127	2011	3	15	10	V	6.9	0.1	1.62	209
401431127	2011	3	15	11	V	2.3	1.1	1.23	126
401431127	2011	3	15	12	V	2.6	4.1	1.31	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	15	13	V	2.4	9.2	1.98	90
401431127	2011	3	15	14	V	2.5	2.2	1.72	129
401431127	2011	3	15	15	V	1.9	0.5	1.42	125
401431127	2011	3	15	16	V	2.1	0.7	1.98	88
401431127	2011	3	15	17	V	3.6	0.3	2.47	118
401431127	2011	3	15	18	V	3.7	0.1	2.83	134
401431127	2011	3	15	19	V	1.5	0.2	2.86	135
401431127	2011	3	15	20	V	2.9	0.2	1.77	155
401431127	2011	3	15	21	V	2.9	0.1	0.69	163
401431127	2011	3	15	22	V	1.5	0.2	0.86	126
401431127	2011	3	15	23	V	1.1	0.3	1.35	165
401431127	2011	3	15	24	V	1.5	0.8	1.25	181
401431127	2011	3	16	1	V	1.4	0.3	1.69	189
401431127	2011	3	16	2	V	0.9	0.4	2.15	181
401431127	2011	3	16	3	V	0.6	0.3	0.75	232
401431127	2011	3	16	4	V	0.7	0.2	0.8	164
401431127	2011	3	16	5	V	1.4	0.2	1.59	165
401431127	2011	3	16	6	V	0.7	0.2	0.72	266
401431127	2011	3	16	7	V	1.2	0.2	0.87	84
401431127	2011	3	16	8	V	4.0	0.4	1.45	159
401431127	2011	3	16	9	V	1.3	0.7	2.57	150
401431127	2011	3	16	10	V	2.4	1.5	3.95	157
401431127	2011	3	16	11	V	1.9	1.4	5.48	165
401431127	2011	3	16	12	V	2.2	1.8	6.23	173
401431127	2011	3	16	13	V	2.3	2.3	6.31	175
401431127	2011	3	16	14	V	2.3	2.6	6.06	169
401431127	2011	3	16	15	V	1.7	1.6	6.45	166
401431127	2011	3	16	16	V	2.0	0.9	7.25	172
401431127	2011	3	16	17	V	3.6	0.7	7.23	186
401431127	2011	3	16	18	V	3.7	0.6	7.42	183
401431127	2011	3	16	19	V	1.5	0.3	5.73	176
401431127	2011	3	16	20	V	2.9	0.4	4.9	166
401431127	2011	3	16	21	V	2.7	0.4	4.71	167
401431127	2011	3	16	22	V	1.4	0.4	4.8	173
401431127	2011	3	16	23	V	1.1	0.3	6.99	184
401431127	2011	3	16	24	V	1.5	0.2	6.6	182
401431127	2011	3	17	1	V	1.3	0.1	6.01	180
401431127	2011	3	17	2	V	0.9	0.2	6.38	178
401431127	2011	3	17	3	V	0.4	0.3	7.13	182
401431127	2011	3	17	4	V	0.6	0.2	7.28	185
401431127	2011	3	17	5	V	1.4	0.2	7.06	183
401431127	2011	3	17	6	V	0.5	0.1	7.15	182
401431127	2011	3	17	7	V	1.1	0.2	6.92	182
401431127	2011	3	17	8	V	3.9	0.1	6.87	183
401431127	2011	3	17	9	V	1.2	0.3	7.28	184
401431127	2011	3	17	10	V	2.4	0.8	8.03	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	17	11	V	2.0	0.5	8.4	194
401431127	2011	3	17	12	V	2.2	0.4	9.36	188
401431127	2011	3	17	13	V	2.4	0.5	8.42	191
401431127	2011	3	17	14	V	2.3	0.3	8.5	184
401431127	2011	3	17	15	V	1.7	0.4	8.64	189
401431127	2011	3	17	16	V	2.0	0.3	8.23	190
401431127	2011	3	17	17	V	3.6	0.2	7.76	187
401431127	2011	3	17	18	V	3.7	0.2	7.23	187
401431127	2011	3	17	19	V	1.5	0.2	4.58	181
401431127	2011	3	17	20	V	2.9	0.2	4.03	171
401431127	2011	3	17	21	V	2.7	0.2	3.91	169
401431127	2011	3	17	22	V	1.4	0.2	3.61	163
401431127	2011	3	17	23	V	1.1	0.3	3.3	166
401431127	2011	3	17	24	V	1.5	0.4	2.5	160
401431127	2011	3	18	1	V	1.3	0.4	2.3	149
401431127	2011	3	18	2	V	0.9	0.6	2.57	161
401431127	2011	3	18	3	V	0.4	0.7	2.28	166
401431127	2011	3	18	4	V	0.6	0.3	1	162
401431127	2011	3	18	5	V	1.5	0.1	0.88	331
401431127	2011	3	18	6	C	-999	0.2	0	0
401431127	2011	3	18	7	V	12.6	0.2	0.87	210
401431127	2011	3	18	8	V	8.3	0.2	0.89	199
401431127	2011	3	18	9	V	1.4	0.3	1.77	168
401431127	2011	3	18	10	V	2.5	0.4	2.95	182
401431127	2011	3	18	11	V	2.8	0.7	2.38	192
401431127	2011	3	18	12	V	2.2	0.3	5.6	2
401431127	2011	3	18	13	V	2.3	0.3	6.72	12
401431127	2011	3	18	14	V	2.3	0.3	6.07	11
401431127	2011	3	18	15	V	1.7	-999	6.8	16
401431127	2011	3	18	16	V	2.0	0	6.79	18
401431127	2011	3	18	17	V	3.6	0	7.3	25
401431127	2011	3	18	18	V	3.7	0	6.97	26
401431127	2011	3	18	19	V	1.5	0	5.79	37
401431127	2011	3	18	20	V	2.9	0	5.55	28
401431127	2011	3	18	21	V	2.7	0	5.41	31
401431127	2011	3	18	22	V	1.4	0	5.02	32
401431127	2011	3	18	23	V	1.1	0	4.85	31
401431127	2011	3	18	24	V	1.5	0	3.97	33
401431127	2011	3	19	1	V	1.3	0	3.95	41
401431127	2011	3	19	2	V	0.9	0	3.78	50
401431127	2011	3	19	3	V	0.4	0	3.59	44
401431127	2011	3	19	4	V	0.5	0	3.66	42
401431127	2011	3	19	5	V	1.4	0	3.32	58
401431127	2011	3	19	6	V	0.5	0	3.13	43
401431127	2011	3	19	7	V	1.1	0	3.86	52
401431127	2011	3	19	8	V	3.9	0	3.96	61

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	19	9	V	1.2	0	4.86	137
401431127	2011	3	19	10	V	2.4	0	6.46	152
401431127	2011	3	19	11	V	1.9	0	6.16	163
401431127	2011	3	19	12	V	2.2	0	4.76	156
401431127	2011	3	19	13	V	2.4	0	2.61	145
401431127	2011	3	19	14	V	2.4	0	2.11	53
401431127	2011	3	19	15	V	1.7	0.1	2.54	152
401431127	2011	3	19	16	V	2.0	0.1	3.59	70
401431127	2011	3	19	17	V	3.6	0	3.93	41
401431127	2011	3	19	18	V	3.7	0	6.33	115
401431127	2011	3	19	19	V	1.5	0	5.73	134
401431127	2011	3	19	20	V	2.9	0	5.21	139
401431127	2011	3	19	21	V	2.7	0	4.24	141
401431127	2011	3	19	22	V	1.4	0	3.44	148
401431127	2011	3	19	23	V	1.1	0	3.78	157
401431127	2011	3	19	24	V	1.5	0	3.58	157
401431127	2011	3	20	1	V	1.3	0	4.22	149
401431127	2011	3	20	2	V	0.9	0	4.05	160
401431127	2011	3	20	3	V	0.4	0	3.22	163
401431127	2011	3	20	4	V	0.5	0	4.73	165
401431127	2011	3	20	5	V	1.4	0	4.63	165
401431127	2011	3	20	6	V	0.5	0	4.92	165
401431127	2011	3	20	7	V	1.1	0	4.17	161
401431127	2011	3	20	8	V	3.9	0	3.8	169
401431127	2011	3	20	9	V	1.2	0	4.87	182
401431127	2011	3	20	10	V	2.4	0	7.4	189
401431127	2011	3	20	11	V	2.0	0	8.03	194
401431127	2011	3	20	12	V	2.2	0	7.76	188
401431127	2011	3	20	13	V	2.3	0	7.84	184
401431127	2011	3	20	14	V	2.3	0.1	8.3	187
401431127	2011	3	20	15	V	1.8	0.2	8.06	195
401431127	2011	3	20	16	V	2.0	0.2	7.76	189
401431127	2011	3	20	17	V	3.6	0.1	8.11	190
401431127	2011	3	20	18	V	3.7	0.1	7.28	192
401431127	2011	3	20	19	V	2.2	0	5.44	192
401431127	2011	3	20	20	V	3.0	0	4.78	187
401431127	2011	3	20	21	V	2.7	0	4.61	178
401431127	2011	3	20	22	V	1.4	0	5.56	172
401431127	2011	3	20	23	V	1.1	0	3.46	170
401431127	2011	3	20	24	V	1.5	0	2.57	173
401431127	2011	3	21	1	V	1.3	0	1.57	180
401431127	2011	3	21	2	V	0.9	0	2.22	176
401431127	2011	3	21	3	V	0.4	0	2.9	172
401431127	2011	3	21	4	V	0.5	0	2.67	169
401431127	2011	3	21	5	V	1.5	0	1.26	152
401431127	2011	3	21	6	V	0.5	0	1.99	143

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	21	7	V	1.1	0	2.91	172
401431127	2011	3	21	8	V	3.9	0	3.68	176
401431127	2011	3	21	9	V	1.2	0	6.05	184
401431127	2011	3	21	10	V	2.4	0	6.97	186
401431127	2011	3	21	11	V	1.9	0	7.2	192
401431127	2011	3	21	12	V	2.2	0	6.75	185
401431127	2011	3	21	13	V	2.3	0	6.41	185
401431127	2011	3	21	14	V	2.3	0	7.08	184
401431127	2011	3	21	15	V	1.7	0	6.21	177
401431127	2011	3	21	16	V	2.0	0	6.06	177
401431127	2011	3	21	17	V	3.6	0	6.28	174
401431127	2011	3	21	18	V	3.7	0	6.81	173
401431127	2011	3	21	19	V	1.5	0	4.71	171
401431127	2011	3	21	20	V	2.9	0	3.07	169
401431127	2011	3	21	21	V	2.7	0	3.27	154
401431127	2011	3	21	22	V	1.4	0	4.07	158
401431127	2011	3	21	23	V	1.1	0	4.73	164
401431127	2011	3	21	24	V	1.5	0	4.63	169
401431127	2011	3	22	1	V	1.3	0	5.89	177
401431127	2011	3	22	2	V	1.0	0	6.57	185
401431127	2011	3	22	3	V	0.5	0	7.23	185
401431127	2011	3	22	4	V	0.7	0	6.94	188
401431127	2011	3	22	5	V	1.5	0	6.65	185
401431127	2011	3	22	6	V	0.5	0	6.52	183
401431127	2011	3	22	7	V	1.1	0	6.94	181
401431127	2011	3	22	8	V	3.9	0	7.3	181
401431127	2011	3	22	9	V	1.2	0	7.48	187
401431127	2011	3	22	10	V	2.4	0	8.76	183
401431127	2011	3	22	11	V	1.9	0	8.33	188
401431127	2011	3	22	12	V	2.3	0	8.18	195
401431127	2011	3	22	13	V	2.3	0	9.13	191
401431127	2011	3	22	14	V	2.3	0	8.74	188
401431127	2011	3	22	15	V	1.7	0	9.44	193
401431127	2011	3	22	16	V	2.0	0	9.27	190
401431127	2011	3	22	17	V	3.6	0	8.95	187
401431127	2011	3	22	18	V	3.7	0	8.08	185
401431127	2011	3	22	19	V	1.7	0	7.91	188
401431127	2011	3	22	20	V	3.8	0	7.16	193
401431127	2011	3	22	21	V	8.6	0	6.4	202
401431127	2011	3	22	22	V	4.0	0.1	5.9	197
401431127	2011	3	22	23	V	15.7	0	3.95	207
401431127	2011	3	22	24	V	14.3	2.7	2.93	204
401431127	2011	3	23	1	V	6.9	0.7	3.34	218
401431127	2011	3	23	2	V	0.9	0.2	1.62	230
401431127	2011	3	23	3	V	0.5	0.2	1.47	258
401431127	2011	3	23	4	V	0.6	0.1	1.62	283

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	23	5	V	1.5	0.1	1.54	248
401431127	2011	3	23	6	V	0.5	0.1	2.57	274
401431127	2011	3	23	7	V	1.1	0.1	3.1	299
401431127	2011	3	23	8	V	4.0	0.1	2.5	299
401431127	2011	3	23	9	V	1.3	0.1	4.05	316
401431127	2011	3	23	10	V	2.4	0.1	4.66	324
401431127	2011	3	23	11	V	1.9	0.1	5.04	321
401431127	2011	3	23	12	V	2.2	0.1	5.41	318
401431127	2011	3	23	13	V	2.3	0.3	5.41	317
401431127	2011	3	23	14	V	2.3	0.3	5.46	324
401431127	2011	3	23	15	V	1.7	0.3	6.09	335
401431127	2011	3	23	16	V	2.0	0.1	4.97	317
401431127	2011	3	23	17	V	3.6	0.2	4.54	322
401431127	2011	3	23	18	V	3.7	0.1	4.1	331
401431127	2011	3	23	19	V	1.5	0.2	3.42	338
401431127	2011	3	23	20	V	2.9	0.3	2.88	334
401431127	2011	3	23	21	V	2.7	0.4	2.33	333
401431127	2011	3	23	22	V	1.4	0.2	1.74	348
401431127	2011	3	23	23	V	1.1	0.1	2.49	14
401431127	2011	3	23	24	V	1.5	0.1	4.07	15
401431127	2011	3	24	1	V	1.3	0.1	5.96	13
401431127	2011	3	24	2	V	0.9	0	5.34	16
401431127	2011	3	24	3	V	0.4	0	5.05	15
401431127	2011	3	24	4	V	0.5	0	3.58	8
401431127	2011	3	24	5	V	1.4	0	3.25	9
401431127	2011	3	24	6	V	0.5	0	3.63	7
401431127	2011	3	24	7	V	1.1	0	4.24	12
401431127	2011	3	24	8	V	3.9	0	5.22	12
401431127	2011	3	24	9	V	1.2	0.1	4.8	22
401431127	2011	3	24	10	V	2.4	-999	5.07	30
401431127	2011	3	24	11	V	2.3	-999	4.97	37
401431127	2011	3	24	12	V	2.3	0.5	4.42	32
401431127	2011	3	24	13	V	3.4	4.1	3.44	41
401431127	2011	3	24	14	V	3.1	2.1	2.86	42
401431127	2011	3	24	15	V	2.1	0.8	2.57	59
401431127	2011	3	24	16	V	2.0	0.7	2.73	79
401431127	2011	3	24	17	V	3.6	0.4	4.2	75
401431127	2011	3	24	18	V	3.7	0.5	3.66	92
401431127	2011	3	24	19	V	1.5	0.7	3.95	101
401431127	2011	3	24	20	V	2.9	0.9	3.22	109
401431127	2011	3	24	21	V	2.7	1.1	2.49	119
401431127	2011	3	24	22	V	1.4	0.5	2.91	23
401431127	2011	3	24	23	V	2.1	0.1	1.91	53
401431127	2011	3	24	24	V	1.5	0.1	2.18	77
401431127	2011	3	25	1	V	1.3	0.1	2.21	37
401431127	2011	3	25	2	V	0.9	0	2.61	90

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	25	3	V	0.5	0	2.04	114
401431127	2011	3	25	4	V	0.6	0	2.5	69
401431127	2011	3	25	5	V	1.4	0	3.83	72
401431127	2011	3	25	6	V	0.5	0	3.34	87
401431127	2011	3	25	7	V	1.1	0	3.07	78
401431127	2011	3	25	8	V	3.9	0.1	3.95	112
401431127	2011	3	25	9	V	1.3	0.2	3.85	128
401431127	2011	3	25	10	V	2.4	0.9	3.71	138
401431127	2011	3	25	11	V	1.9	-999	2.91	162
401431127	2011	3	25	12	V	2.3	1.3	2.71	154
401431127	2011	3	25	13	V	2.4	2.5	2.11	95
401431127	2011	3	25	14	V	2.4	1.7	2.3	95
401431127	2011	3	25	15	V	1.8	1.5	2.06	85
401431127	2011	3	25	16	V	2.1	1.6	3.18	65
401431127	2011	3	25	17	V	3.7	1.7	2.79	69
401431127	2011	3	25	18	V	3.7	4.3	3.63	100
401431127	2011	3	25	19	V	1.5	0.8	4.2	101
401431127	2011	3	25	20	V	2.9	0.2	5.19	33
401431127	2011	3	25	21	V	2.7	0.1	5.16	31
401431127	2011	3	25	22	V	1.4	0.1	4.54	33
401431127	2011	3	25	23	V	1.1	0	5.12	30
401431127	2011	3	25	24	V	3.8	0	3.9	46
401431127	2011	3	26	1	V	2.0	0	4.85	53
401431127	2011	3	26	2	V	1.0	0	5.68	57
401431127	2011	3	26	3	V	0.5	0	5.6	59
401431127	2011	3	26	4	V	0.5	0	4.9	64
401431127	2011	3	26	5	V	1.4	0	4.29	65
401431127	2011	3	26	6	V	0.6	0	4.92	36
401431127	2011	3	26	7	V	1.1	0	5.02	32
401431127	2011	3	26	8	V	3.9	0	5.97	21
401431127	2011	3	26	9	V	1.3	0	6.56	36
401431127	2011	3	26	10	V	2.4	0	5.43	32
401431127	2011	3	26	11	V	1.9	0	4.17	23
401431127	2011	3	26	12	V	2.2	0	3.85	6
401431127	2011	3	26	13	V	2.3	0	3.93	6
401431127	2011	3	26	14	V	2.3	0	4.34	350
401431127	2011	3	26	15	V	1.7	0	4.46	353
401431127	2011	3	26	16	V	2.0	0	4.48	355
401431127	2011	3	26	17	V	3.6	0	4.39	358
401431127	2011	3	26	18	V	3.7	0	4.87	7
401431127	2011	3	26	19	V	1.5	0	4.48	5
401431127	2011	3	26	20	V	2.9	0	4.75	7
401431127	2011	3	26	21	V	2.7	0	5.75	11
401431127	2011	3	26	22	V	1.4	0	4.53	16
401431127	2011	3	26	23	V	1.1	0	5.05	15
401431127	2011	3	26	24	V	1.5	0	5.02	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	27	1	V	1.3	0	5.02	30
401431127	2011	3	27	2	V	1.8	0	5.27	42
401431127	2011	3	27	3	V	1.7	0	5.02	51
401431127	2011	3	27	4	V	0.5	0	4.36	28
401431127	2011	3	27	5	V	1.4	0	4.86	21
401431127	2011	3	27	6	V	2.1	0	3.86	50
401431127	2011	3	27	7	V	1.1	0	3.36	22
401431127	2011	3	27	8	V	3.9	0	4.86	34
401431127	2011	3	27	9	V	1.2	0	5	29
401431127	2011	3	27	10	V	2.5	0	4.71	35
401431127	2011	3	27	11	V	2.4	0	5.68	40
401431127	2011	3	27	12	V	2.2	0	4.78	31
401431127	2011	3	27	13	V	2.4	0	5.1	34
401431127	2011	3	27	14	V	3.6	0	5	51
401431127	2011	3	27	15	V	2.2	0	4.44	39
401431127	2011	3	27	16	V	2.9	0	3.44	40
401431127	2011	3	27	17	V	3.6	0	2.64	25
401431127	2011	3	27	18	V	3.7	0	2.69	7
401431127	2011	3	27	19	V	1.5	0	2.59	7
401431127	2011	3	27	20	V	2.9	0	2.79	25
401431127	2011	3	27	21	V	2.7	0	1.93	11
401431127	2011	3	27	22	V	1.4	0	2.62	27
401431127	2011	3	27	23	V	1.1	0	2.83	26
401431127	2011	3	27	24	V	1.5	0	3.8	25
401431127	2011	3	28	1	V	1.3	0	3.37	26
401431127	2011	3	28	2	V	0.9	0	3.81	30
401431127	2011	3	28	3	V	0.5	0	2.84	22
401431127	2011	3	28	4	V	0.6	0	3.1	3
401431127	2011	3	28	5	V	1.4	0	3.54	26
401431127	2011	3	28	6	V	0.5	0	3.25	27
401431127	2011	3	28	7	V	1.1	0	2.22	5
401431127	2011	3	28	8	V	4.0	0	2.27	6
401431127	2011	3	28	9	V	1.6	0	3	34
401431127	2011	3	28	10	V	4.1	0	3	42
401431127	2011	3	28	11	V	3.2	0.1	1.87	55
401431127	2011	3	28	12	V	2.5	0.2	1.28	163
401431127	2011	3	28	13	V	2.4	0.3	2.38	137
401431127	2011	3	28	14	V	2.3	0.3	3.05	143
401431127	2011	3	28	15	V	1.7	0.2	3.08	141
401431127	2011	3	28	16	V	2.0	0.2	3.41	141
401431127	2011	3	28	17	V	3.6	0.2	3	135
401431127	2011	3	28	18	V	3.7	0.5	1.72	97
401431127	2011	3	28	19	V	3.4	0.3	1.62	52
401431127	2011	3	28	20	V	7.1	0.3	1.35	46
401431127	2011	3	28	21	V	2.7	0.2	2.15	9
401431127	2011	3	28	22	V	1.4	0.1	2.76	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	28	23	V	1.1	0.1	2.16	1
401431127	2011	3	28	24	V	1.5	0	2.64	3
401431127	2011	3	29	1	V	1.3	0	2.11	351
401431127	2011	3	29	2	V	0.9	0	2.1	351
401431127	2011	3	29	3	V	0.5	0	2.88	2
401431127	2011	3	29	4	V	0.6	0	3.05	9
401431127	2011	3	29	5	V	1.4	0	2.61	12
401431127	2011	3	29	6	V	0.5	0	2.38	13
401431127	2011	3	29	7	V	1.1	0	1.47	15
401431127	2011	3	29	8	V	4.5	0	0.77	341
401431127	2011	3	29	9	V	1.5	0	1.47	347
401431127	2011	3	29	10	V	2.5	0	2.5	4
401431127	2011	3	29	11	V	1.9	0	3.27	2
401431127	2011	3	29	12	V	2.2	0.1	3.8	5
401431127	2011	3	29	13	V	2.3	0.1	3.18	2
401431127	2011	3	29	14	V	2.3	0.1	3.61	5
401431127	2011	3	29	15	V	1.7	0	3.52	359
401431127	2011	3	29	16	V	2.0	0	3.29	3
401431127	2011	3	29	17	V	3.6	0	3.73	4
401431127	2011	3	29	18	V	3.7	0	3.34	356
401431127	2011	3	29	19	V	1.5	0	3.07	350
401431127	2011	3	29	20	V	2.9	0	3.12	4
401431127	2011	3	29	21	V	2.7	0	3.85	356
401431127	2011	3	29	22	V	1.4	0	4.27	359
401431127	2011	3	29	23	V	1.1	0	4.54	3
401431127	2011	3	29	24	V	1.5	0	3.74	9
401431127	2011	3	30	1	V	1.3	0	4.37	12
401431127	2011	3	30	2	V	0.9	0	4.32	18
401431127	2011	3	30	3	V	0.5	0	3.44	15
401431127	2011	3	30	4	V	0.5	0	4.34	13
401431127	2011	3	30	5	V	1.4	0	4.36	5
401431127	2011	3	30	6	V	0.5	0	3.8	5
401431127	2011	3	30	7	V	1.1	0	2.57	1
401431127	2011	3	30	8	V	3.9	0	3.98	12
401431127	2011	3	30	9	V	1.3	0.1	3.86	11
401431127	2011	3	30	10	V	2.4	0.1	3.54	18
401431127	2011	3	30	11	V	1.9	0.1	3.64	14
401431127	2011	3	30	12	V	2.2	0.2	3.3	28
401431127	2011	3	30	13	V	2.3	0.3	3.68	24
401431127	2011	3	30	14	V	2.3	0.2	3.73	18
401431127	2011	3	30	15	V	1.7	0.2	3.78	24
401431127	2011	3	30	16	V	2.3	0.1	2.55	33
401431127	2011	3	30	17	V	4.1	0.1	2.4	58
401431127	2011	3	30	18	V	3.9	0.2	2.78	56
401431127	2011	3	30	19	V	1.5	0.4	2.88	70
401431127	2011	3	30	20	V	3.1	0.2	2.04	55

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	3	30	21	V	2.7	0.1	2.03	33
401431127	2011	3	30	22	V	1.5	0	1.14	272
401431127	2011	3	30	23	V	1.1	0	1.18	260
401431127	2011	3	30	24	V	1.8	0.1	0.58	297
401431127	2011	3	31	1	V	1.6	0.1	0.63	178
401431127	2011	3	31	2	V	1.3	0.1	0.58	252
401431127	2011	3	31	3	V	0.7	0	0.67	298
401431127	2011	3	31	4	V	0.9	0.1	0.55	264
401431127	2011	3	31	5	V	1.8	0.1	0.52	298
401431127	2011	3	31	6	V	0.6	0.1	1.35	229
401431127	2011	3	31	7	V	1.5	0.2	0.99	192
401431127	2011	3	31	8	V	4.2	0.3	1.59	159
401431127	2011	3	31	9	V	6.0	0.3	1.82	198
401431127	2011	3	31	10	V	2.5	0.2	2.95	181
401431127	2011	3	31	11	V	1.9	0.1	4.1	182
401431127	2011	3	31	12	V	2.4	0.1	4.36	189
401431127	2011	3	31	13	V	3.7	0.7	4.02	212
401431127	2011	3	31	14	V	2.5	0.8	3	233
401431127	2011	3	31	15	V	1.8	0.6	2.23	334
401431127	2011	3	31	16	V	2.0	0.7	2.95	13
401431127	2011	3	31	17	V	3.6	0.6	3.13	21
401431127	2011	3	31	18	V	4.7	0.5	2.73	51
401431127	2011	3	31	19	V	1.5	0.3	2.61	93
401431127	2011	3	31	20	V	2.9	0.1	2.81	84
401431127	2011	3	31	21	V	2.7	0.1	2.25	120
401431127	2011	3	31	22	V	1.5	0.1	1.62	104
401431127	2011	3	31	23	V	1.1	0.1	1.47	128
401431127	2011	3	31	24	V	1.5	0.2	1.55	177
401431127	2011	4	1	1	V	1.3	0.1	1.96	138
401431127	2011	4	1	2	V	1.0	0.1	1.43	182
401431127	2011	4	1	3	V	1.7	0	1.65	53
401431127	2011	4	1	4	V	0.6	0	1.23	136
401431127	2011	4	1	5	V	3.4	0	0.67	223
401431127	2011	4	1	6	V	6.4	0.1	0.67	201
401431127	2011	4	1	7	V	1.2	0.1	0.96	20
401431127	2011	4	1	8	V	5.0	0.2	1.28	36
401431127	2011	4	1	9	V	1.7	0.2	1.28	77
401431127	2011	4	1	10	V	2.7	0.4	1.67	166
401431127	2011	4	1	11	V	2.1	0.8	1.96	136
401431127	2011	4	1	12	V	2.3	0.6	2.06	93
401431127	2011	4	1	13	V	2.5	1	1.55	109
401431127	2011	4	1	14	V	2.8	2.1	2.3	58
401431127	2011	4	1	15	V	1.7	1.8	2.38	76
401431127	2011	4	1	16	V	2.1	1.5	4.34	34
401431127	2011	4	1	17	V	3.9	0.8	2.79	34
401431127	2011	4	1	18	V	3.7	2.6	3.71	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	1	19	V	1.5	2.1	3.73	29
401431127	2011	4	1	20	V	2.9	0.7	1.86	22
401431127	2011	4	1	21	V	2.9	0.3	0.67	13
401431127	2011	4	1	22	V	1.8	0.3	0.58	309
401431127	2011	4	1	23	V	1.3	0.3	0.79	352
401431127	2011	4	1	24	V	1.6	0.4	0.91	348
401431127	2011	4	2	1	V	1.5	0.3	0.72	243
401431127	2011	4	2	2	V	1.2	0.4	0.62	290
401431127	2011	4	2	3	C	-999	0.3	0	0
401431127	2011	4	2	4	C	-999	0.3	0	0
401431127	2011	4	2	5	V	1.7	0.2	0.65	249
401431127	2011	4	2	6	C	-999	0.2	0	0
401431127	2011	4	2	7	C	-999	0.3	0	0
401431127	2011	4	2	8	C	-999	0.5	0	0
401431127	2011	4	2	9	V	1.4	0.6	2.13	144
401431127	2011	4	2	10	V	2.4	3.1	4.92	169
401431127	2011	4	2	11	V	1.9	2.8	4.97	173
401431127	2011	4	2	12	V	2.2	0.9	5.1	174
401431127	2011	4	2	13	V	2.3	0.4	5.43	163
401431127	2011	4	2	14	V	2.3	0.3	5.9	162
401431127	2011	4	2	15	V	1.7	0.4	5.94	164
401431127	2011	4	2	16	V	2.0	0.4	6.28	158
401431127	2011	4	2	17	V	3.6	0.6	6.48	164
401431127	2011	4	2	18	V	3.7	0.6	5.92	164
401431127	2011	4	2	19	V	1.5	0.6	4.46	162
401431127	2011	4	2	20	V	2.9	0.6	4	169
401431127	2011	4	2	21	V	2.7	0.6	2.74	175
401431127	2011	4	2	22	V	1.4	0.9	3.51	174
401431127	2011	4	2	23	V	1.1	1	4.37	169
401431127	2011	4	2	24	V	1.5	0.8	4.76	164
401431127	2011	4	3	1	V	1.3	0.8	4.77	164
401431127	2011	4	3	2	V	0.9	0.6	4.63	166
401431127	2011	4	3	3	V	0.4	0.4	6.8	181
401431127	2011	4	3	4	V	0.7	0.3	8.4	188
401431127	2011	4	3	5	V	1.5	0.2	7.77	187
401431127	2011	4	3	6	V	0.6	0.2	6.28	186
401431127	2011	4	3	7	V	1.2	0.2	6.46	187
401431127	2011	4	3	8	V	3.9	0.2	7.67	190
401431127	2011	4	3	9	V	1.3	0.4	8.96	194
401431127	2011	4	3	10	V	2.4	0.4	10.36	192
401431127	2011	4	3	11	V	1.9	0.3	9.95	193
401431127	2011	4	3	12	V	2.3	0.4	10.14	194
401431127	2011	4	3	13	V	2.4	0.5	10.75	195
401431127	2011	4	3	14	V	2.4	0.4	9.61	195
401431127	2011	4	3	15	V	1.8	0.6	9.85	194
401431127	2011	4	3	16	V	2.0	0.8	9.75	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	3	17	V	3.6	0.3	10.65	187
401431127	2011	4	3	18	V	3.7	0.2	10.21	188
401431127	2011	4	3	19	V	1.5	0.3	8.79	180
401431127	2011	4	3	20	V	2.9	0.2	9.88	180
401431127	2011	4	3	21	V	2.7	0.2	9.37	181
401431127	2011	4	3	22	V	1.4	0.2	9.63	180
401431127	2011	4	3	23	V	1.1	0.2	9.7	185
401431127	2011	4	3	24	V	2.3	0.3	7.26	226
401431127	2011	4	4	1	V	1.3	0.1	7.33	345
401431127	2011	4	4	2	V	0.9	0	6.69	1
401431127	2011	4	4	3	V	0.4	0	6.11	355
401431127	2011	4	4	4	V	0.5	0	5.99	351
401431127	2011	4	4	5	V	1.4	0	6.28	345
401431127	2011	4	4	6	V	0.5	0	6.31	342
401431127	2011	4	4	7	V	1.1	0	5.17	341
401431127	2011	4	4	8	V	3.9	0	6.52	338
401431127	2011	4	4	9	V	1.2	0	6.77	336
401431127	2011	4	4	10	V	2.4	0	6.94	336
401431127	2011	4	4	11	V	1.9	0	7.42	343
401431127	2011	4	4	12	V	2.2	0	6.94	340
401431127	2011	4	4	13	V	2.3	0	5.97	326
401431127	2011	4	4	14	V	2.3	0	6.13	336
401431127	2011	4	4	15	V	1.7	0	5.82	332
401431127	2011	4	4	16	V	2.0	0	5.78	329
401431127	2011	4	4	17	V	3.6	0	5.7	336
401431127	2011	4	4	18	V	3.7	0.1	5.09	320
401431127	2011	4	4	19	V	1.5	0	4.22	331
401431127	2011	4	4	20	V	2.9	0	2.04	324
401431127	2011	4	4	21	V	2.8	0	1.59	314
401431127	2011	4	4	22	V	1.5	0.1	1.2	288
401431127	2011	4	4	23	V	1.5	0.1	0.52	253
401431127	2011	4	4	24	V	12.9	0.1	0.82	208
401431127	2011	4	5	1	V	1.6	0.1	0.65	269
401431127	2011	4	5	2	V	13.9	0.1	1.06	206
401431127	2011	4	5	3	V	9.9	0.1	0.77	205
401431127	2011	4	5	4	V	1.7	0.2	0.89	194
401431127	2011	4	5	5	V	1.6	0.3	0.86	182
401431127	2011	4	5	6	V	7.5	0.5	1.04	201
401431127	2011	4	5	7	V	15.0	6.4	1.04	211
401431127	2011	4	5	8	V	6.6	25.3	1.4	193
401431127	2011	4	5	9	V	4.6	10	4.08	207
401431127	2011	4	5	10	V	4.1	1.9	5.89	207
401431127	2011	4	5	11	V	2.7	0.4	6.11	213
401431127	2011	4	5	12	V	3.0	0.3	5.95	213
401431127	2011	4	5	13	V	3.0	0.3	6.19	215
401431127	2011	4	5	14	V	3.1	0.8	6.65	211

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	5	15	V	1.9	0.6	6.84	222
401431127	2011	4	5	16	V	2.7	0.6	6.84	214
401431127	2011	4	5	17	V	5.0	0.8	6.84	209
401431127	2011	4	5	18	V	4.2	1.9	6.46	200
401431127	2011	4	5	19	V	1.7	5.5	5.17	188
401431127	2011	4	5	20	V	2.9	0.5	5.51	181
401431127	2011	4	5	21	V	2.7	0.6	5.1	182
401431127	2011	4	5	22	V	1.5	1.2	5.31	185
401431127	2011	4	5	23	V	1.1	1.2	5.27	183
401431127	2011	4	5	24	V	1.5	0.9	4.93	176
401431127	2011	4	6	1	V	1.3	1	4.37	178
401431127	2011	4	6	2	V	0.9	1.1	4.75	184
401431127	2011	4	6	3	V	0.5	1.5	5.17	184
401431127	2011	4	6	4	V	0.5	1.4	5.8	180
401431127	2011	4	6	5	V	1.4	1.4	6.36	181
401431127	2011	4	6	6	V	0.5	1.4	6.18	179
401431127	2011	4	6	7	V	1.1	1.2	6.36	178
401431127	2011	4	6	8	V	3.9	1.4	7.35	181
401431127	2011	4	6	9	V	1.2	1.2	9.37	189
401431127	2011	4	6	10	V	2.4	1	10.34	193
401431127	2011	4	6	11	V	1.9	1	9.24	193
401431127	2011	4	6	12	V	2.2	1	8.62	186
401431127	2011	4	6	13	V	2.3	-999	7.57	188
401431127	2011	4	6	14	V	2.3	1.8	7.09	189
401431127	2011	4	6	15	V	3.0	1.3	5.33	203
401431127	2011	4	6	16	V	2.0	0.8	5.48	187
401431127	2011	4	6	17	V	3.6	1.4	5.58	173
401431127	2011	4	6	18	V	3.7	0.6	4.85	164
401431127	2011	4	6	19	V	1.5	0.7	3.69	171
401431127	2011	4	6	20	V	2.9	0.9	2.93	162
401431127	2011	4	6	21	V	2.7	0.7	2.91	164
401431127	2011	4	6	22	V	1.5	0.5	1.42	183
401431127	2011	4	6	23	V	1.3	0.3	0.75	166
401431127	2011	4	6	24	V	1.5	0.2	2.56	155
401431127	2011	4	7	1	V	3.8	0.1	1.04	197
401431127	2011	4	7	2	C	-999	0.1	0	0
401431127	2011	4	7	3	V	0.7	0.1	0.87	112
401431127	2011	4	7	4	V	0.6	0.3	2.3	141
401431127	2011	4	7	5	V	1.4	0.5	3.56	152
401431127	2011	4	7	6	V	0.5	0.5	3.74	157
401431127	2011	4	7	7	V	1.1	0.5	3.34	150
401431127	2011	4	7	8	V	3.9	0.5	4.19	163
401431127	2011	4	7	9	V	1.2	0.6	5.41	168
401431127	2011	4	7	10	V	2.4	0.5	5.94	173
401431127	2011	4	7	11	V	1.9	0.3	5.56	164
401431127	2011	4	7	12	V	2.2	0.2	5.87	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	7	13	V	2.3	0.2	5.68	172
401431127	2011	4	7	14	V	2.3	0.2	6.01	164
401431127	2011	4	7	15	V	1.7	0.2	5.9	155
401431127	2011	4	7	16	V	2.0	0.1	6.5	152
401431127	2011	4	7	17	V	3.6	0.1	6.8	150
401431127	2011	4	7	18	V	3.7	0.1	6.57	143
401431127	2011	4	7	19	V	1.5	0.1	6.4	158
401431127	2011	4	7	20	V	2.9	0.1	5.72	163
401431127	2011	4	7	21	V	2.7	0.1	5.82	167
401431127	2011	4	7	22	V	1.4	0.1	4.75	169
401431127	2011	4	7	23	V	1.1	0.1	3.63	171
401431127	2011	4	7	24	V	1.5	0.1	3.88	180
401431127	2011	4	8	1	V	1.3	0.1	3.51	179
401431127	2011	4	8	2	V	1.2	0.1	4	190
401431127	2011	4	8	3	V	2.6	0.2	3.9	196
401431127	2011	4	8	4	V	0.6	0.7	1.93	179
401431127	2011	4	8	5	V	1.5	0.4	1.86	177
401431127	2011	4	8	6	V	0.5	0.2	3.18	180
401431127	2011	4	8	7	V	1.3	0.2	4.2	188
401431127	2011	4	8	8	V	4.0	0.2	3.69	187
401431127	2011	4	8	9	V	1.3	0.2	5.41	185
401431127	2011	4	8	10	V	2.4	0.2	5.65	185
401431127	2011	4	8	11	V	1.9	0.2	5.36	178
401431127	2011	4	8	12	V	2.2	0.2	4.34	168
401431127	2011	4	8	13	V	2.3	0.2	4.85	145
401431127	2011	4	8	14	V	2.3	0.2	5.38	144
401431127	2011	4	8	15	V	1.7	0.2	6.7	163
401431127	2011	4	8	16	V	2.0	0.3	7.01	157
401431127	2011	4	8	17	V	3.6	0.3	7.52	168
401431127	2011	4	8	18	V	3.7	0.2	7.35	169
401431127	2011	4	8	19	V	1.5	0.2	4.7	159
401431127	2011	4	8	20	V	2.9	0.2	2.44	140
401431127	2011	4	8	21	V	2.7	0.1	2.22	138
401431127	2011	4	8	22	V	1.4	0.1	2.66	144
401431127	2011	4	8	23	V	1.1	0.2	2.81	136
401431127	2011	4	8	24	V	1.5	0.2	2.69	148
401431127	2011	4	9	1	V	1.3	0.4	3.68	168
401431127	2011	4	9	2	V	0.9	0.3	2.79	141
401431127	2011	4	9	3	V	0.5	0.3	2.15	134
401431127	2011	4	9	4	V	0.6	0.3	1.54	167
401431127	2011	4	9	5	V	1.4	0.3	3.13	174
401431127	2011	4	9	6	V	0.5	0.3	3.71	169
401431127	2011	4	9	7	V	1.1	0.3	4.15	177
401431127	2011	4	9	8	V	3.9	0.4	5.34	177
401431127	2011	4	9	9	V	1.2	0.4	6.19	181
401431127	2011	4	9	10	V	2.4	0.5	8.28	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	9	11	V	1.9	0.4	8.66	187
401431127	2011	4	9	12	V	2.2	0.4	8.33	181
401431127	2011	4	9	13	V	2.3	0.3	7.89	171
401431127	2011	4	9	14	V	2.3	0.3	8.35	165
401431127	2011	4	9	15	V	1.7	0.4	8.9	169
401431127	2011	4	9	16	V	2.0	0.4	9.36	172
401431127	2011	4	9	17	V	3.6	0.4	9.36	170
401431127	2011	4	9	18	V	3.7	0.3	8.3	170
401431127	2011	4	9	19	V	1.5	0.3	7.18	166
401431127	2011	4	9	20	V	2.9	0.3	7.47	170
401431127	2011	4	9	21	V	2.7	0.3	5.99	169
401431127	2011	4	9	22	V	1.4	0.3	3.8	178
401431127	2011	4	9	23	V	1.1	0.5	3.98	163
401431127	2011	4	9	24	V	1.5	0.7	5.22	167
401431127	2011	4	10	1	V	1.3	0.6	6.45	174
401431127	2011	4	10	2	V	0.9	0.3	7.09	182
401431127	2011	4	10	3	V	0.5	0.3	7.33	184
401431127	2011	4	10	4	V	0.6	0.3	7.66	184
401431127	2011	4	10	5	V	4.0	0.4	6.45	197
401431127	2011	4	10	6	V	1.8	2.6	5.34	194
401431127	2011	4	10	7	V	1.1	0.9	5.27	180
401431127	2011	4	10	8	V	3.9	0.5	6.86	177
401431127	2011	4	10	9	V	1.2	0.4	8.66	188
401431127	2011	4	10	10	V	2.6	1.2	8.83	197
401431127	2011	4	10	11	V	2.6	2.1	8.42	203
401431127	2011	4	10	12	V	3.5	1	7.6	208
401431127	2011	4	10	13	V	3.4	1.1	6.5	210
401431127	2011	4	10	14	V	2.3	0.4	5.14	233
401431127	2011	4	10	15	V	1.7	0.2	3.9	248
401431127	2011	4	10	16	V	2.0	0.1	3.37	258
401431127	2011	4	10	17	V	3.7	0.1	2.52	274
401431127	2011	4	10	18	V	3.7	0.1	1.93	253
401431127	2011	4	10	19	V	1.6	0.1	1.45	239
401431127	2011	4	10	20	V	3.2	0.1	1.08	59
401431127	2011	4	10	21	V	2.8	0.1	1.47	256
401431127	2011	4	10	22	V	1.5	0.3	1.28	287
401431127	2011	4	10	23	V	4.5	0.5	1.01	219
401431127	2011	4	10	24	V	1.5	0.4	3.59	303
401431127	2011	4	11	1	V	1.3	0.3	4.73	1
401431127	2011	4	11	2	V	1.1	0.3	0.94	238
401431127	2011	4	11	3	V	0.4	0.2	3.36	10
401431127	2011	4	11	4	V	0.5	0.2	2.86	356
401431127	2011	4	11	5	M	-999	0.2	3.36	999
401431127	2011	4	11	6	V	0.8	0.1	0.53	279
401431127	2011	4	11	7	V	1.1	0.1	3.73	336
401431127	2011	4	11	8	V	3.9	0.1	4.17	332

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	11	9	V	1.2	0.1	5.17	339
401431127	2011	4	11	10	V	2.4	0.1	5.1	336
401431127	2011	4	11	11	V	1.9	0.2	4.73	326
401431127	2011	4	11	12	V	2.2	0.3	5.48	324
401431127	2011	4	11	13	V	2.3	0.4	5.19	332
401431127	2011	4	11	14	V	2.3	0.6	6.31	334
401431127	2011	4	11	15	V	1.7	0.6	5.7	331
401431127	2011	4	11	16	V	2.0	0.4	5.43	320
401431127	2011	4	11	17	V	3.6	0.2	4.78	326
401431127	2011	4	11	18	V	3.7	0.1	4.37	325
401431127	2011	4	11	19	V	1.5	0.2	2.88	321
401431127	2011	4	11	20	V	3.0	0.1	1.42	304
401431127	2011	4	11	21	V	2.8	0.1	1.14	298
401431127	2011	4	11	22	V	1.5	0.1	1.14	304
401431127	2011	4	11	23	V	1.3	0	0.75	265
401431127	2011	4	11	24	V	2.7	0	0.79	224
401431127	2011	4	12	1	C	-999	0	0	0
401431127	2011	4	12	2	V	2.8	0.1	0.58	224
401431127	2011	4	12	3	C	-999	0.1	0	0
401431127	2011	4	12	4	C	-999	0.1	0	0
401431127	2011	4	12	5	C	-999	0.1	0	0
401431127	2011	4	12	6	C	-999	0.1	0	0
401431127	2011	4	12	7	V	5.8	0.2	0.55	217
401431127	2011	4	12	8	V	11.5	0.3	0.86	208
401431127	2011	4	12	9	V	2.3	1.2	0.87	165
401431127	2011	4	12	10	V	2.8	4.9	1.52	163
401431127	2011	4	12	11	M	-999	3.3	1.26	141
401431127	2011	4	12	12	M	-999	2.1	2.3	87
401431127	2011	4	12	13	M	-999	3.3	2.55	146
401431127	2011	4	12	14	M	-999	1.9	2.42	174
401431127	2011	4	12	15	M	-999	1.5	3.08	165
401431127	2011	4	12	16	M	-999	0.8	2.95	153
401431127	2011	4	12	17	M	-999	0.4	3.59	159
401431127	2011	4	12	18	M	-999	0.9	4.27	103
401431127	2011	4	12	19	V	1.5	1.1	3.46	153
401431127	2011	4	12	20	V	3.0	1.1	1.65	133
401431127	2011	4	12	21	C	-999	0.6	0	0
401431127	2011	4	12	22	V	3.5	0.4	0.77	222
401431127	2011	4	12	23	V	1.2	0.3	1.45	182
401431127	2011	4	12	24	V	1.5	0.5	1.77	163
401431127	2011	4	13	1	V	1.5	0.4	0.87	124
401431127	2011	4	13	2	V	1.2	0.2	1.09	191
401431127	2011	4	13	3	C	-999	0.1	0	0
401431127	2011	4	13	4	V	1.0	0	0.52	281
401431127	2011	4	13	5	V	1.9	0.1	0.52	238
401431127	2011	4	13	6	V	3.5	0.1	0.57	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	13	7	V	1.7	0.2	0.55	232
401431127	2011	4	13	8	V	4.2	0.6	1.67	174
401431127	2011	4	13	9	V	1.3	2.7	3.74	167
401431127	2011	4	13	10	V	2.4	1.9	5.07	174
401431127	2011	4	13	11	M	-999	1.4	999	999
401431127	2011	4	13	12	M	-999	0.9	999	999
401431127	2011	4	13	13	V	2.3	0.7	5.94	176
401431127	2011	4	13	14	V	2.3	0.6	6.43	184
401431127	2011	4	13	15	V	1.7	0.6	6.23	167
401431127	2011	4	13	16	V	2.0	0.7	6.07	165
401431127	2011	4	13	17	V	3.6	0.7	6.58	170
401431127	2011	4	13	18	V	3.7	0.6	6.28	166
401431127	2011	4	13	19	V	1.5	0.6	4.92	167
401431127	2011	4	13	20	V	2.9	0.6	3.34	166
401431127	2011	4	13	21	V	2.7	0.9	2.38	173
401431127	2011	4	13	22	V	6.0	1.1	1.08	199
401431127	2011	4	13	23	C	-999	0.9	0	0
401431127	2011	4	13	24	V	1.8	0.3	0.69	252
401431127	2011	4	14	1	V	12.5	0.1	0.84	210
401431127	2011	4	14	2	V	1.1	0.1	0.86	230
401431127	2011	4	14	3	V	2.2	0.2	0.75	223
401431127	2011	4	14	4	V	0.6	1.1	1.37	156
401431127	2011	4	14	5	V	1.5	1.1	1.55	157
401431127	2011	4	14	6	V	0.5	1.1	3.29	141
401431127	2011	4	14	7	V	1.1	1	3.73	139
401431127	2011	4	14	8	V	3.9	1	5.43	148
401431127	2011	4	14	9	V	1.2	0.8	6.77	158
401431127	2011	4	14	10	V	2.4	0.7	7.79	161
401431127	2011	4	14	11	V	1.9	0.4	8.42	171
401431127	2011	4	14	12	V	2.2	0.3	9.05	163
401431127	2011	4	14	13	V	2.3	0.3	9.46	160
401431127	2011	4	14	14	V	2.3	0.2	9.19	159
401431127	2011	4	14	15	V	1.7	0.2	9.25	162
401431127	2011	4	14	16	V	2.0	0.2	7.84	157
401431127	2011	4	14	17	V	3.6	0.1	7.71	160
401431127	2011	4	14	18	V	6.5	0.1	3.75	209
401431127	2011	4	14	19	V	1.5	0.1	5.41	165
401431127	2011	4	14	20	V	3.0	0.1	1.37	276
401431127	2011	4	14	21	V	19.3	0.1	3.24	207
401431127	2011	4	14	22	V	1.4	0.1	1.84	244
401431127	2011	4	14	23	V	1.1	0.2	2.06	280
401431127	2011	4	14	24	V	1.5	0.1	3.34	277
401431127	2011	4	15	1	V	1.3	0.2	2.78	274
401431127	2011	4	15	2	V	0.9	0.1	2.59	256
401431127	2011	4	15	3	V	0.4	0.1	3.92	249
401431127	2011	4	15	4	V	0.8	0.1	3.76	230

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	15	5	V	2.9	0.1	4.56	225
401431127	2011	4	15	6	V	0.5	0.1	4.88	246
401431127	2011	4	15	7	V	1.1	0	4.75	253
401431127	2011	4	15	8	V	3.9	0	4.61	251
401431127	2011	4	15	9	V	1.2	0	4.83	247
401431127	2011	4	15	10	V	2.4	0	5.27	252
401431127	2011	4	15	11	V	1.9	0	6.18	258
401431127	2011	4	15	12	V	2.2	0	6.11	255
401431127	2011	4	15	13	V	2.3	0	6.09	253
401431127	2011	4	15	14	V	2.3	0	5.62	253
401431127	2011	4	15	15	V	1.7	0	4.75	262
401431127	2011	4	15	16	V	2.0	0	4.53	265
401431127	2011	4	15	17	V	3.6	0	4.53	287
401431127	2011	4	15	18	V	3.7	0	4.36	293
401431127	2011	4	15	19	V	1.5	0	5.8	296
401431127	2011	4	15	20	V	2.9	0	5.73	305
401431127	2011	4	15	21	V	2.7	0	5.16	310
401431127	2011	4	15	22	V	1.4	0	5.7	311
401431127	2011	4	15	23	V	1.1	0	5.82	311
401431127	2011	4	15	24	V	1.5	0	4.83	318
401431127	2011	4	16	1	V	1.3	0	3.68	328
401431127	2011	4	16	2	V	0.9	0	3.68	321
401431127	2011	4	16	3	V	0.4	0	4.2	312
401431127	2011	4	16	4	V	0.5	0	3.44	316
401431127	2011	4	16	5	V	1.4	0	2.91	317
401431127	2011	4	16	6	V	0.5	0	3.66	331
401431127	2011	4	16	7	V	1.1	0	3.61	334
401431127	2011	4	16	8	V	3.9	0	4.83	330
401431127	2011	4	16	9	V	1.3	0	3.25	312
401431127	2011	4	16	10	V	2.4	0	3.18	282
401431127	2011	4	16	11	V	1.9	0	3.35	298
401431127	2011	4	16	12	V	2.2	0	3.23	298
401431127	2011	4	16	13	V	2.4	0	3.1	307
401431127	2011	4	16	14	V	2.4	0	2.3	300
401431127	2011	4	16	15	V	1.8	0.1	2.62	321
401431127	2011	4	16	16	V	2.2	0.1	1.76	313
401431127	2011	4	16	17	V	4.0	0.1	1.64	180
401431127	2011	4	16	18	V	3.8	0.1	1.94	166
401431127	2011	4	16	19	V	1.5	0.1	1.98	167
401431127	2011	4	16	20	V	9.4	0.2	0.7	216
401431127	2011	4	16	21	V	3.1	0.2	0.58	241
401431127	2011	4	16	22	V	1.5	0.2	1.2	173
401431127	2011	4	16	23	C	-999	0.1	0	0
401431127	2011	4	16	24	V	2.2	0.1	0.6	189
401431127	2011	4	17	1	V	11.3	0.1	0.92	213
401431127	2011	4	17	2	V	20.3	0.1	1.82	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	17	3	V	0.6	0.2	2.59	192
401431127	2011	4	17	4	V	0.7	0.4	2.84	193
401431127	2011	4	17	5	V	1.5	0.2	1.6	181
401431127	2011	4	17	6	V	0.6	0.2	1.5	176
401431127	2011	4	17	7	V	5.0	0.2	2.08	199
401431127	2011	4	17	8	V	4.2	0.3	3.03	189
401431127	2011	4	17	9	V	1.3	0.7	6.33	186
401431127	2011	4	17	10	V	2.4	0.7	6.8	186
401431127	2011	4	17	11	V	1.9	1.8	9.03	188
401431127	2011	4	17	12	V	2.2	1.5	9.34	185
401431127	2011	4	17	13	V	2.4	1.3	9.1	192
401431127	2011	4	17	14	V	2.3	0.8	10.31	189
401431127	2011	4	17	15	V	1.7	0.7	9.41	184
401431127	2011	4	17	16	V	2.0	0.7	9.42	190
401431127	2011	4	17	17	V	3.6	1.1	8.59	190
401431127	2011	4	17	18	V	3.8	1.1	6.97	194
401431127	2011	4	17	19	V	1.7	1.7	7.43	188
401431127	2011	4	17	20	V	2.9	1.3	4.99	175
401431127	2011	4	17	21	V	2.7	1.5	3.61	166
401431127	2011	4	17	22	V	1.4	1.2	2.89	173
401431127	2011	4	17	23	V	1.1	0.9	2.74	177
401431127	2011	4	17	24	V	1.5	0.9	2.1	155
401431127	2011	4	18	1	V	1.3	0.9	2.13	154
401431127	2011	4	18	2	V	0.9	0.9	2.37	161
401431127	2011	4	18	3	V	0.4	0.8	2.88	157
401431127	2011	4	18	4	V	0.5	0.5	2.76	161
401431127	2011	4	18	5	V	1.4	0.4	4.73	166
401431127	2011	4	18	6	V	0.5	0.5	3.88	163
401431127	2011	4	18	7	V	1.1	0.4	4.14	157
401431127	2011	4	18	8	V	3.9	0.4	5.41	162
401431127	2011	4	18	9	V	1.2	0.4	5.24	164
401431127	2011	4	18	10	V	2.4	0.3	6.13	166
401431127	2011	4	18	11	V	1.9	0.2	7.03	166
401431127	2011	4	18	12	V	2.2	0.2	6.91	165
401431127	2011	4	18	13	V	2.3	0.2	6.8	167
401431127	2011	4	18	14	V	2.3	0.2	6.48	165
401431127	2011	4	18	15	V	1.7	0.2	5.72	146
401431127	2011	4	18	16	V	2.0	0.2	6.11	150
401431127	2011	4	18	17	V	3.6	0.2	6.01	135
401431127	2011	4	18	18	V	3.7	0.2	5.46	127
401431127	2011	4	18	19	V	1.5	0.2	4.42	128
401431127	2011	4	18	20	V	2.9	0.2	4.02	145
401431127	2011	4	18	21	V	2.7	0.2	3.81	148
401431127	2011	4	18	22	V	1.4	0.1	3.17	146
401431127	2011	4	18	23	V	1.1	0.1	3.03	145
401431127	2011	4	18	24	V	1.5	0.2	3.3	147

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	19	1	V	1.3	0.2	4.92	168
401431127	2011	4	19	2	V	0.9	0.2	8.25	184
401431127	2011	4	19	3	V	0.5	0.2	7.65	184
401431127	2011	4	19	4	V	0.6	0.3	7.49	185
401431127	2011	4	19	5	V	1.4	0.3	7.18	183
401431127	2011	4	19	6	V	0.5	0.2	8.45	184
401431127	2011	4	19	7	V	1.2	0.2	8.44	187
401431127	2011	4	19	8	V	4.0	0.2	9.17	193
401431127	2011	4	19	9	V	1.6	0.5	8.9	199
401431127	2011	4	19	10	V	3.2	1.6	7.99	211
401431127	2011	4	19	11	V	1.9	0.9	5.55	271
401431127	2011	4	19	12	V	2.2	0.4	4.66	281
401431127	2011	4	19	13	V	2.3	0.7	4.34	294
401431127	2011	4	19	14	V	2.3	0.3	3.63	292
401431127	2011	4	19	15	V	1.7	0.3	3.49	302
401431127	2011	4	19	16	V	2.0	0.2	3.83	309
401431127	2011	4	19	17	V	3.6	0.2	3.8	328
401431127	2011	4	19	18	V	3.7	0.6	2.9	334
401431127	2011	4	19	19	V	1.5	0.5	2.67	342
401431127	2011	4	19	20	V	2.9	0.1	3.2	351
401431127	2011	4	19	21	V	2.7	0.1	3.32	356
401431127	2011	4	19	22	V	1.4	0.1	4.15	13
401431127	2011	4	19	23	V	1.1	0	4.53	10
401431127	2011	4	19	24	V	1.5	0	4.37	13
401431127	2011	4	20	1	V	1.3	0	3.03	13
401431127	2011	4	20	2	V	0.9	0	2.64	17
401431127	2011	4	20	3	V	0.5	0	4.12	10
401431127	2011	4	20	4	V	0.5	0	4.88	13
401431127	2011	4	20	5	V	1.4	0	4.9	14
401431127	2011	4	20	6	V	0.5	0	5.21	16
401431127	2011	4	20	7	V	1.1	0	4.92	22
401431127	2011	4	20	8	V	3.9	0	5.44	29
401431127	2011	4	20	9	V	1.2	0.1	5.85	16
401431127	2011	4	20	10	V	2.4	0.1	6.99	21
401431127	2011	4	20	11	V	1.9	0.3	6.33	19
401431127	2011	4	20	12	V	2.2	0.3	6.6	26
401431127	2011	4	20	13	V	2.3	0.4	6.84	28
401431127	2011	4	20	14	V	2.3	0.2	7.42	33
401431127	2011	4	20	15	V	1.8	0.3	6.96	36
401431127	2011	4	20	16	V	2.0	0.2	6.31	34
401431127	2011	4	20	17	V	3.6	0.4	7.25	27
401431127	2011	4	20	18	V	3.7	2.5	6.67	28
401431127	2011	4	20	19	V	1.5	3	6.13	32
401431127	2011	4	20	20	V	2.9	1.9	5.96	29
401431127	2011	4	20	21	V	3.1	2	5.46	38
401431127	2011	4	20	22	V	1.5	0.7	5.07	36

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	20	23	V	2.8	0.4	5.84	42
401431127	2011	4	20	24	V	1.6	0.4	4.88	58
401431127	2011	4	21	1	V	1.3	0.4	4.2	63
401431127	2011	4	21	2	V	0.9	0.2	3.44	85
401431127	2011	4	21	3	V	4.0	0.2	5.5	48
401431127	2011	4	21	4	V	0.6	0.2	4.68	60
401431127	2011	4	21	5	V	1.4	0.3	3.92	89
401431127	2011	4	21	6	V	0.5	0.4	3.1	79
401431127	2011	4	21	7	V	1.2	0.5	3.12	59
401431127	2011	4	21	8	V	3.9	0.5	4.42	99
401431127	2011	4	21	9	V	1.2	0.4	5.51	120
401431127	2011	4	21	10	V	2.4	0.8	5.21	129
401431127	2011	4	21	11	V	1.9	1.6	4.82	132
401431127	2011	4	21	12	V	2.2	2.3	5.05	148
401431127	2011	4	21	13	V	2.3	0.5	6.26	146
401431127	2011	4	21	14	V	2.4	0.2	3.59	175
401431127	2011	4	21	15	V	1.7	0.1	2.88	170
401431127	2011	4	21	16	V	2.1	0.1	2.54	165
401431127	2011	4	21	17	V	3.7	0.1	2.86	147
401431127	2011	4	21	18	V	3.7	0	3.4	125
401431127	2011	4	21	19	V	1.5	0	3.1	111
401431127	2011	4	21	20	V	2.9	0	2.78	117
401431127	2011	4	21	21	V	2.7	0	2.67	136
401431127	2011	4	21	22	V	1.4	0	2.37	124
401431127	2011	4	21	23	V	1.1	0	3.22	141
401431127	2011	4	21	24	V	1.5	0	3.35	151
401431127	2011	4	22	1	V	1.3	0	4.48	162
401431127	2011	4	22	2	V	0.9	0	4.75	165
401431127	2011	4	22	3	V	0.5	0	4.2	163
401431127	2011	4	22	4	V	0.6	0.1	2.61	167
401431127	2011	4	22	5	V	1.4	0.1	3.15	160
401431127	2011	4	22	6	V	0.5	0.1	3.59	166
401431127	2011	4	22	7	V	1.1	0.1	5.68	180
401431127	2011	4	22	8	V	3.9	0.1	6.69	186
401431127	2011	4	22	9	V	1.3	0.2	8.71	194
401431127	2011	4	22	10	V	2.8	1.3	8.03	200
401431127	2011	4	22	11	V	2.8	2.5	8.52	205
401431127	2011	4	22	12	V	2.7	0.9	7.76	216
401431127	2011	4	22	13	V	2.6	0.4	6.84	221
401431127	2011	4	22	14	V	3.1	0.5	7.13	210
401431127	2011	4	22	15	V	2.3	0.6	6.57	216
401431127	2011	4	22	16	V	2.0	0.4	3.74	252
401431127	2011	4	22	17	V	3.7	0.3	2.5	169
401431127	2011	4	22	18	V	3.8	0.3	1.43	164
401431127	2011	4	22	19	V	1.6	0.3	1.43	59
401431127	2011	4	22	20	V	3.0	0.2	1.3	350

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	22	21	V	2.9	0.2	1.33	188
401431127	2011	4	22	22	V	1.5	0.2	1.45	358
401431127	2011	4	22	23	V	1.6	0.2	0.84	36
401431127	2011	4	22	24	V	1.7	0.1	0.86	284
401431127	2011	4	23	1	V	1.5	0.1	1.06	344
401431127	2011	4	23	2	V	0.9	0.1	2.91	359
401431127	2011	4	23	3	V	0.5	0	3.2	7
401431127	2011	4	23	4	V	0.6	0.1	3.17	18
401431127	2011	4	23	5	V	1.4	0.1	3.24	1
401431127	2011	4	23	6	V	0.5	0.1	6.92	21
401431127	2011	4	23	7	V	1.1	0.1	5.75	25
401431127	2011	4	23	8	V	4.9	0.2	5.22	40
401431127	2011	4	23	9	V	1.9	0.5	4.65	37
401431127	2011	4	23	10	V	3.6	0.3	5.17	54
401431127	2011	4	23	11	V	4.1	0.5	5.92	51
401431127	2011	4	23	12	V	3.8	0.4	6.06	42
401431127	2011	4	23	13	V	5.4	0.3	5.38	44
401431127	2011	4	23	14	V	2.4	2.2	4.77	34
401431127	2011	4	23	15	V	2.8	4.1	5.05	40
401431127	2011	4	23	16	V	2.1	0.7	4	34
401431127	2011	4	23	17	V	3.7	0.4	2.62	27
401431127	2011	4	23	18	V	3.7	0.4	3.3	24
401431127	2011	4	23	19	V	1.5	0.5	3.52	27
401431127	2011	4	23	20	V	2.9	0.4	3.08	20
401431127	2011	4	23	21	V	2.7	0.3	4.2	17
401431127	2011	4	23	22	V	1.4	0.4	3	351
401431127	2011	4	23	23	V	1.1	0.2	2.54	4
401431127	2011	4	23	24	V	1.5	0.1	2.22	7
401431127	2011	4	24	1	V	1.3	0.1	3.57	13
401431127	2011	4	24	2	V	0.9	0.1	4.53	13
401431127	2011	4	24	3	V	0.4	0.1	4.41	12
401431127	2011	4	24	4	V	2.8	0.1	3.95	43
401431127	2011	4	24	5	V	1.4	0	4.07	33
401431127	2011	4	24	6	V	0.5	0	4.24	26
401431127	2011	4	24	7	V	1.1	0	3.23	23
401431127	2011	4	24	8	V	4.5	0	3.86	59
401431127	2011	4	24	9	V	1.4	0	2.47	131
401431127	2011	4	24	10	V	2.6	0	1.71	254
401431127	2011	4	24	11	V	2.1	0	1.67	340
401431127	2011	4	24	12	V	2.3	0	2.61	8
401431127	2011	4	24	13	V	2.6	0	4.1	35
401431127	2011	4	24	14	V	2.3	0	4.12	19
401431127	2011	4	24	15	V	1.7	0	3.17	5
401431127	2011	4	24	16	V	5.7	0	5.34	45
401431127	2011	4	24	17	V	3.7	0	3.2	357
401431127	2011	4	24	18	V	3.7	0	3.17	5

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	24	19	V	1.5	0	2.83	358
401431127	2011	4	24	20	V	2.9	0	3.24	10
401431127	2011	4	24	21	V	2.7	0	2.57	5
401431127	2011	4	24	22	V	1.4	0	3.39	24
401431127	2011	4	24	23	V	1.1	0	3.1	358
401431127	2011	4	24	24	V	1.5	0	2.25	13
401431127	2011	4	25	1	V	1.3	0	2.66	30
401431127	2011	4	25	2	V	1.0	0	1.65	26
401431127	2011	4	25	3	V	0.6	0	1.08	9
401431127	2011	4	25	4	V	0.6	0	3.25	109
401431127	2011	4	25	5	V	1.4	0	3.46	132
401431127	2011	4	25	6	V	0.5	0	3.32	152
401431127	2011	4	25	7	V	1.1	0	1.57	170
401431127	2011	4	25	8	M	-999	0	1.42	56
401431127	2011	4	25	9	M	-999	0	2.18	89
401431127	2011	4	25	10	M	-999	0	1.67	41
401431127	2011	4	25	11	M	-999	0	3.34	30
401431127	2011	4	25	12	M	-999	0	2.79	45
401431127	2011	4	25	13	M	-999	0	3.08	16
401431127	2011	4	25	14	M	-999	0	3.59	14
401431127	2011	4	25	15	M	-999	0	2.16	32
401431127	2011	4	25	16	M	-999	0	1.38	16
401431127	2011	4	25	17	M	-999	0	2.08	199
401431127	2011	4	25	18	M	-999	0	2.57	250
401431127	2011	4	25	19	V	1.5	0	2.16	256
401431127	2011	4	25	20	V	2.9	0	2.16	250
401431127	2011	4	25	21	V	2.7	0	3.57	258
401431127	2011	4	25	22	V	1.4	0	4.05	278
401431127	2011	4	25	23	V	1.1	0	3.34	290
401431127	2011	4	25	24	V	1.5	0	3.07	304
401431127	2011	4	26	1	V	1.3	0	2.62	293
401431127	2011	4	26	2	V	0.9	0	2.27	309
401431127	2011	4	26	3	V	0.5	0	1.93	295
401431127	2011	4	26	4	V	0.6	0	2.38	315
401431127	2011	4	26	5	V	1.5	0	1.47	311
401431127	2011	4	26	6	V	0.6	0	1.04	260
401431127	2011	4	26	7	V	1.2	0	1.04	254
401431127	2011	4	26	8	V	4.3	0	1.38	307
401431127	2011	4	26	9	V	1.4	0	2.1	322
401431127	2011	4	26	10	V	2.5	0	2.4	9
401431127	2011	4	26	11	V	2.5	0	1.16	126
401431127	2011	4	26	12	V	2.4	0.1	1.82	161
401431127	2011	4	26	13	V	2.5	0.1	2.03	107
401431127	2011	4	26	14	V	3.0	0.2	3.01	61
401431127	2011	4	26	15	V	3.6	0.1	4.41	41
401431127	2011	4	26	16	V	2.0	2.1	4.31	64

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	26	17	V	3.6	2.7	3.59	1
401431127	2011	4	26	18	V	3.7	0.1	2.45	346
401431127	2011	4	26	19	V	1.5	0.1	2.95	12
401431127	2011	4	26	20	V	2.9	0	2.88	33
401431127	2011	4	26	21	V	2.7	0	2.91	37
401431127	2011	4	26	22	V	1.4	0	2.91	16
401431127	2011	4	26	23	V	1.1	0	3.86	34
401431127	2011	4	26	24	V	1.5	0	2.4	19
401431127	2011	4	27	1	V	1.3	0	2.03	14
401431127	2011	4	27	2	V	0.9	0	2.52	325
401431127	2011	4	27	3	V	0.4	0	4.75	6
401431127	2011	4	27	4	V	0.5	0	5.14	8
401431127	2011	4	27	5	V	1.4	0	3.17	14
401431127	2011	4	27	6	V	0.5	0	4.39	1
401431127	2011	4	27	7	V	1.1	0	5.21	359
401431127	2011	4	27	8	V	3.9	0.1	6.16	355
401431127	2011	4	27	9	V	1.2	0	5.96	347
401431127	2011	4	27	10	V	2.4	0	4.36	343
401431127	2011	4	27	11	V	1.9	0.1	4.29	343
401431127	2011	4	27	12	V	2.2	0.2	4.78	345
401431127	2011	4	27	13	V	2.3	0.1	5.77	336
401431127	2011	4	27	14	V	2.3	0	4.77	330
401431127	2011	4	27	15	V	1.7	0	4.58	328
401431127	2011	4	27	16	V	2.0	0	4.48	323
401431127	2011	4	27	17	V	3.6	0	4.05	327
401431127	2011	4	27	18	V	3.7	0	3.32	333
401431127	2011	4	27	19	V	1.5	0	2.21	286
401431127	2011	4	27	20	V	3.0	0	1.59	249
401431127	2011	4	27	21	V	2.8	0	1.23	235
401431127	2011	4	27	22	V	1.5	0	1.57	244
401431127	2011	4	27	23	V	1.1	0	1.55	247
401431127	2011	4	27	24	V	1.6	0	0.99	243
401431127	2011	4	28	1	V	1.4	0	1.21	250
401431127	2011	4	28	2	V	1.0	0	1.26	261
401431127	2011	4	28	3	V	2.5	0	0.63	195
401431127	2011	4	28	4	V	1.0	0	0.72	187
401431127	2011	4	28	5	V	1.5	0	1.2	254
401431127	2011	4	28	6	V	0.6	0	1.52	243
401431127	2011	4	28	7	V	1.4	0	0.72	169
401431127	2011	4	28	8	V	4.3	0.1	2.42	230
401431127	2011	4	28	9	V	1.4	0.1	2.42	252
401431127	2011	4	28	10	V	2.5	0.1	3.01	284
401431127	2011	4	28	11	V	1.9	0.2	4.41	303
401431127	2011	4	28	12	V	2.2	0.1	3.64	296
401431127	2011	4	28	13	V	2.3	0.2	3.76	299
401431127	2011	4	28	14	V	2.3	0.2	3.46	286

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	28	15	V	1.7	0.6	3.52	262
401431127	2011	4	28	16	V	2.0	0.2	4	276
401431127	2011	4	28	17	V	3.6	0.2	3.58	274
401431127	2011	4	28	18	V	3.7	0.2	3.03	274
401431127	2011	4	28	19	V	1.6	0.2	1.6	260
401431127	2011	4	28	20	V	3.1	0.1	0.72	264
401431127	2011	4	28	21	V	3.1	0.1	0.57	241
401431127	2011	4	28	22	V	1.8	0.1	0.65	280
401431127	2011	4	28	23	V	1.3	0.1	0.8	272
401431127	2011	4	28	24	C	-999	0.2	0	0
401431127	2011	4	29	1	V	1.6	0.1	0.62	314
401431127	2011	4	29	2	V	1.3	1	0.52	346
401431127	2011	4	29	3	C	-999	1.6	0	0
401431127	2011	4	29	4	V	0.9	0.6	0.62	140
401431127	2011	4	29	5	V	2.9	0.2	1.13	221
401431127	2011	4	29	6	V	0.6	0.1	1.33	185
401431127	2011	4	29	7	V	1.1	1.3	1.96	169
401431127	2011	4	29	8	V	4.0	0.8	3.35	184
401431127	2011	4	29	9	V	1.2	1.3	6.5	182
401431127	2011	4	29	10	V	2.4	1.3	8.54	177
401431127	2011	4	29	11	V	1.9	0.1	9.37	171
401431127	2011	4	29	12	V	2.2	0.1	9.92	173
401431127	2011	4	29	13	V	2.3	-999	10.31	169
401431127	2011	4	29	14	V	2.3	0.6	10.27	167
401431127	2011	4	29	15	V	1.7	0.9	9.49	165
401431127	2011	4	29	16	V	2.0	1.3	9.73	166
401431127	2011	4	29	17	V	3.6	1.4	9.27	170
401431127	2011	4	29	18	V	3.7	1.2	9.08	174
401431127	2011	4	29	19	V	1.5	0.5	7.14	171
401431127	2011	4	29	20	V	2.9	0.7	6.3	163
401431127	2011	4	29	21	V	2.7	2.3	5.75	157
401431127	2011	4	29	22	V	1.4	1.3	6.18	160
401431127	2011	4	29	23	V	1.1	0.9	4.87	163
401431127	2011	4	29	24	V	1.5	1	5.94	165
401431127	2011	4	30	1	V	1.3	1.6	6.06	166
401431127	2011	4	30	2	V	0.9	1.3	7.2	174
401431127	2011	4	30	3	V	0.4	0.8	7.06	174
401431127	2011	4	30	4	V	0.5	0.6	7.4	182
401431127	2011	4	30	5	V	1.4	0.5	7.35	183
401431127	2011	4	30	6	V	0.5	0.5	6.3	182
401431127	2011	4	30	7	V	1.1	0.5	5.77	187
401431127	2011	4	30	8	V	4.9	0.7	5.75	202
401431127	2011	4	30	9	V	1.3	0.8	3.88	235
401431127	2011	4	30	10	V	2.5	1.2	3.03	271
401431127	2011	4	30	11	V	1.9	0.3	3.4	292
401431127	2011	4	30	12	V	2.2	0.2	3.46	297

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	4	30	13	V	2.3	0.2	3.61	319
401431127	2011	4	30	14	V	2.3	0.2	3.54	338
401431127	2011	4	30	15	V	1.7	0.1	3.27	352
401431127	2011	4	30	16	V	2.0	0.1	2.61	338
401431127	2011	4	30	17	V	3.7	0.1	2.69	333
401431127	2011	4	30	18	V	3.7	0.1	2.52	337
401431127	2011	4	30	19	V	1.5	0.1	1.98	343
401431127	2011	4	30	20	V	3.0	0.1	1.67	336
401431127	2011	4	30	21	V	2.8	0.1	1.54	337
401431127	2011	4	30	22	V	1.5	0.1	1.64	342
401431127	2011	4	30	23	V	1.1	0.1	1.65	350
401431127	2011	4	30	24	V	1.5	0.1	2.62	6
401431127	2011	5	1	1	V	1.3	0.1	2.47	12
401431127	2011	5	1	2	V	0.9	0.1	2.33	6
401431127	2011	5	1	3	V	0.4	0	2.54	5
401431127	2011	5	1	4	V	0.6	0	3.3	9
401431127	2011	5	1	5	V	1.4	0.1	4.53	15
401431127	2011	5	1	6	V	0.5	0.1	4.32	14
401431127	2011	5	1	7	V	1.1	0.1	3.01	353
401431127	2011	5	1	8	V	3.9	0	5.36	8
401431127	2011	5	1	9	V	1.2	0	6.02	17
401431127	2011	5	1	10	V	2.4	0	6.28	20
401431127	2011	5	1	11	V	1.9	0	5.85	13
401431127	2011	5	1	12	V	2.2	0	6.86	22
401431127	2011	5	1	13	V	2.3	0	6.43	20
401431127	2011	5	1	14	V	2.3	0	4.15	1
401431127	2011	5	1	15	V	1.7	0	5.44	7
401431127	2011	5	1	16	V	2.0	0	4.68	13
401431127	2011	5	1	17	V	3.6	0	4.58	22
401431127	2011	5	1	18	V	3.7	0	3.63	8
401431127	2011	5	1	19	V	1.5	0	3.2	6
401431127	2011	5	1	20	V	2.9	0	3.34	1
401431127	2011	5	1	21	V	2.7	0	3.35	354
401431127	2011	5	1	22	V	1.4	0	3.63	352
401431127	2011	5	1	23	V	1.1	0	3	360
401431127	2011	5	1	24	V	1.5	0	2.64	6
401431127	2011	5	2	1	V	1.3	0	2.44	5
401431127	2011	5	2	2	V	0.9	0	2.59	354
401431127	2011	5	2	3	V	0.4	0	3.4	360
401431127	2011	5	2	4	V	0.5	0	3.12	4
401431127	2011	5	2	5	V	1.5	0	1.64	335
401431127	2011	5	2	6	V	0.5	0	2.11	7
401431127	2011	5	2	7	V	1.2	0	1.76	333
401431127	2011	5	2	8	V	4.1	0	2.4	8
401431127	2011	5	2	9	V	1.6	0	2.5	26
401431127	2011	5	2	10	V	2.9	0.1	3.34	32

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	2	11	V	2.5	0.2	3.3	33
401431127	2011	5	2	12	V	2.7	0.6	4.83	59
401431127	2011	5	2	13	V	2.5	0.5	5.6	61
401431127	2011	5	2	14	V	2.3	0.3	4.58	69
401431127	2011	5	2	15	V	1.7	0.2	3.8	76
401431127	2011	5	2	16	V	2.0	0.1	3.76	73
401431127	2011	5	2	17	V	3.6	0.1	3.68	84
401431127	2011	5	2	18	V	3.7	0.2	3.78	84
401431127	2011	5	2	19	V	1.5	0.2	2.83	94
401431127	2011	5	2	20	V	3.1	0.1	0.6	259
401431127	2011	5	2	21	V	2.9	0.1	0.84	237
401431127	2011	5	2	22	V	1.5	0.1	1.2	257
401431127	2011	5	2	23	V	1.2	0.2	1.03	254
401431127	2011	5	2	24	V	1.6	0.1	1.11	244
401431127	2011	5	3	1	V	12.6	0	0.91	211
401431127	2011	5	3	2	V	11.3	0	0.77	208
401431127	2011	5	3	3	C	-999	0	0	0
401431127	2011	5	3	4	C	-999	0	0	0
401431127	2011	5	3	5	C	-999	0	0	0
401431127	2011	5	3	6	V	0.9	0.2	0.62	236
401431127	2011	5	3	7	C	-999	0.1	0	0
401431127	2011	5	3	8	V	11.1	0	1.3	209
401431127	2011	5	3	9	V	1.6	0.7	1.72	249
401431127	2011	5	3	10	V	2.7	1.3	1.77	249
401431127	2011	5	3	11	V	2.2	0.6	1.72	245
401431127	2011	5	3	12	V	2.6	0.5	2.76	223
401431127	2011	5	3	13	V	2.5	1.1	2.86	232
401431127	2011	5	3	14	V	2.6	0.4	2.79	219
401431127	2011	5	3	15	V	1.9	0	2.96	223
401431127	2011	5	3	16	V	2.2	0	2.67	223
401431127	2011	5	3	17	V	3.8	0.1	2.3	231
401431127	2011	5	3	18	V	3.8	0.1	2.1	236
401431127	2011	5	3	19	V	16.1	0.1	1.35	213
401431127	2011	5	3	20	V	12.6	0.1	0.69	206
401431127	2011	5	3	21	V	3.1	0.2	0.55	252
401431127	2011	5	3	22	V	1.7	0.2	0.72	233
401431127	2011	5	3	23	V	4.5	0.2	0.6	220
401431127	2011	5	3	24	C	-999	0.2	0	0
401431127	2011	5	4	1	V	1.7	0.1	0.75	187
401431127	2011	5	4	2	V	3.0	0.4	0.87	196
401431127	2011	5	4	3	V	3.2	0.3	0.86	197
401431127	2011	5	4	4	C	-999	0.1	0	0
401431127	2011	5	4	5	V	1.7	0.1	0.72	177
401431127	2011	5	4	6	V	5.2	0.2	0.58	200
401431127	2011	5	4	7	V	1.5	0.4	1.04	173
401431127	2011	5	4	8	V	4.2	0.7	2.13	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	4	9	V	1.3	0.9	4.19	184
401431127	2011	5	4	10	V	2.5	0.6	5.41	192
401431127	2011	5	4	11	V	2.2	0.5	6.12	196
401431127	2011	5	4	12	V	2.3	0.3	6.5	192
401431127	2011	5	4	13	V	2.3	0.2	6.77	183
401431127	2011	5	4	14	V	2.4	0.2	6.5	189
401431127	2011	5	4	15	V	1.7	0.2	6.13	187
401431127	2011	5	4	16	V	2.0	0.2	6.7	181
401431127	2011	5	4	17	V	3.6	0.2	6.82	180
401431127	2011	5	4	18	V	3.7	0.3	6.33	176
401431127	2011	5	4	19	V	1.5	0.2	5.31	172
401431127	2011	5	4	20	V	2.9	0.2	3.54	173
401431127	2011	5	4	21	V	2.7	0.2	2.93	183
401431127	2011	5	4	22	V	6.4	0.3	2.93	200
401431127	2011	5	4	23	V	1.7	0.6	3.12	194
401431127	2011	5	4	24	V	1.5	1.1	3.52	180
401431127	2011	5	5	1	V	1.3	1.4	4.14	168
401431127	2011	5	5	2	V	0.9	1	2.03	184
401431127	2011	5	5	3	V	0.6	0.6	1.13	246
401431127	2011	5	5	4	V	0.7	0.4	1.64	189
401431127	2011	5	5	5	V	2.5	0.3	1.08	222
401431127	2011	5	5	6	V	14.9	0.1	1.23	205
401431127	2011	5	5	7	V	1.2	0.2	2.15	168
401431127	2011	5	5	8	V	3.9	0.5	4.95	169
401431127	2011	5	5	9	V	1.2	1.1	5.95	175
401431127	2011	5	5	10	V	2.5	1.2	6.58	193
401431127	2011	5	5	11	V	3.1	1.2	5.58	207
401431127	2011	5	5	12	V	2.6	0.7	5.69	218
401431127	2011	5	5	13	V	2.5	0.6	4.39	228
401431127	2011	5	5	14	V	2.3	0.5	4.49	235
401431127	2011	5	5	15	V	1.7	0.7	3.08	291
401431127	2011	5	5	16	V	2.0	1.1	3.18	319
401431127	2011	5	5	17	V	3.6	0.6	3.1	312
401431127	2011	5	5	18	V	3.7	0.4	2.79	331
401431127	2011	5	5	19	V	1.5	0.3	2.64	357
401431127	2011	5	5	20	V	2.9	0.2	2.08	9
401431127	2011	5	5	21	V	2.9	0.1	0.86	2
401431127	2011	5	5	22	V	1.5	0.1	1.81	6
401431127	2011	5	5	23	V	7.0	0.1	2.18	50
401431127	2011	5	5	24	V	6.2	0.1	1.62	43
401431127	2011	5	6	1	V	1.7	0	0.55	320
401431127	2011	5	6	2	V	1.1	0	0.94	248
401431127	2011	5	6	3	V	0.8	0	0.65	261
401431127	2011	5	6	4	C	-999	0	0	0
401431127	2011	5	6	5	V	1.8	0.1	0.6	235
401431127	2011	5	6	6	C	-999	0.1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	6	7	C	-999	0.2	0	0
401431127	2011	5	6	8	V	8.8	0.2	1.18	198
401431127	2011	5	6	9	V	1.3	0.3	3.25	174
401431127	2011	5	6	10	V	2.4	0.5	4.24	168
401431127	2011	5	6	11	V	1.9	0.4	5.04	179
401431127	2011	5	6	12	V	2.2	0.2	5.02	174
401431127	2011	5	6	13	V	2.3	0.2	5.94	178
401431127	2011	5	6	14	V	2.3	0.2	5.97	181
401431127	2011	5	6	15	V	1.7	0.2	6.19	185
401431127	2011	5	6	16	V	2.0	0.2	6.63	184
401431127	2011	5	6	17	V	3.6	0.3	6.55	182
401431127	2011	5	6	18	V	3.7	0.4	6.07	182
401431127	2011	5	6	19	V	1.5	0.6	5.14	181
401431127	2011	5	6	20	V	2.9	0.6	4.07	169
401431127	2011	5	6	21	V	2.7	0.5	2.96	159
401431127	2011	5	6	22	V	1.4	0.4	3.3	165
401431127	2011	5	6	23	V	1.1	0.4	3.15	160
401431127	2011	5	6	24	V	1.5	0.5	3.52	160
401431127	2011	5	7	1	V	1.3	0.6	3.39	162
401431127	2011	5	7	2	V	0.9	0.6	3.71	164
401431127	2011	5	7	3	V	0.4	0.4	3.56	165
401431127	2011	5	7	4	V	0.5	0.3	3.74	167
401431127	2011	5	7	5	V	1.4	0.4	2.56	165
401431127	2011	5	7	6	V	0.6	0.4	4.56	188
401431127	2011	5	7	7	V	1.2	0.6	5.12	193
401431127	2011	5	7	8	V	4.0	0.7	4.88	189
401431127	2011	5	7	9	V	1.3	0.6	5.24	190
401431127	2011	5	7	10	V	2.6	0.6	5.09	191
401431127	2011	5	7	11	V	2.3	0.5	4.31	193
401431127	2011	5	7	12	V	2.2	0.5	3.56	169
401431127	2011	5	7	13	V	2.4	0.5	2.95	175
401431127	2011	5	7	14	V	2.3	0.5	3.9	162
401431127	2011	5	7	15	V	1.7	0.6	4.24	156
401431127	2011	5	7	16	V	2.0	0.6	4.54	165
401431127	2011	5	7	17	V	3.6	0.5	4.2	175
401431127	2011	5	7	18	V	3.7	0.5	4.48	166
401431127	2011	5	7	19	V	1.5	0.4	3.44	160
401431127	2011	5	7	20	V	2.9	0.3	2.69	155
401431127	2011	5	7	21	V	2.8	0.2	1.31	177
401431127	2011	5	7	22	V	1.5	0.2	1.48	167
401431127	2011	5	7	23	V	2.0	0.2	1.01	194
401431127	2011	5	7	24	V	1.6	0.2	1.25	172
401431127	2011	5	8	1	V	7.0	0.2	0.63	201
401431127	2011	5	8	2	V	1.1	0.2	0.94	167
401431127	2011	5	8	3	V	0.5	0.2	1.33	181
401431127	2011	5	8	4	V	0.6	0.1	1.96	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	8	5	V	1.4	0.1	1.99	157
401431127	2011	5	8	6	V	0.5	0.1	3.27	165
401431127	2011	5	8	7	V	1.1	0.3	4.2	161
401431127	2011	5	8	8	V	3.9	0.4	5.17	165
401431127	2011	5	8	9	V	1.3	0.4	5.16	163
401431127	2011	5	8	10	V	2.4	0.5	6.01	166
401431127	2011	5	8	11	V	1.9	0.5	6.45	168
401431127	2011	5	8	12	V	2.2	0.4	6.65	168
401431127	2011	5	8	13	V	2.3	0.4	7.31	165
401431127	2011	5	8	14	V	2.3	0.3	8.22	169
401431127	2011	5	8	15	V	1.7	0.2	8.15	171
401431127	2011	5	8	16	V	2.0	0.2	8.11	167
401431127	2011	5	8	17	V	3.6	0.1	7.81	174
401431127	2011	5	8	18	V	3.7	0.1	7.3	174
401431127	2011	5	8	19	V	1.5	0.2	6.01	171
401431127	2011	5	8	20	V	2.9	0.2	5.09	176
401431127	2011	5	8	21	V	2.7	0.2	4.7	169
401431127	2011	5	8	22	V	1.4	0.3	5.21	165
401431127	2011	5	8	23	V	1.1	0.4	4.27	159
401431127	2011	5	8	24	V	1.5	0.4	3.88	168
401431127	2011	5	9	1	V	1.3	0.4	2.35	171
401431127	2011	5	9	2	V	1.0	0.4	1.81	164
401431127	2011	5	9	3	V	0.4	0.3	4.05	181
401431127	2011	5	9	4	V	0.6	0.3	5.21	185
401431127	2011	5	9	5	V	1.4	0.3	4.46	179
401431127	2011	5	9	6	V	0.5	0.3	4.17	179
401431127	2011	5	9	7	V	1.0	0.3	5.73	179
401431127	2011	5	9	8	V	3.9	0.4	6.92	184
401431127	2011	5	9	9	V	1.2	0.4	7.26	185
401431127	2011	5	9	10	V	2.4	0.4	7.13	185
401431127	2011	5	9	11	V	1.9	0.4	7.45	179
401431127	2011	5	9	12	V	2.2	0.4	7.37	176
401431127	2011	5	9	13	V	2.3	0.3	8.4	187
401431127	2011	5	9	14	V	2.3	0.3	8.11	179
401431127	2011	5	9	15	V	1.7	0.3	7.48	177
401431127	2011	5	9	16	V	2.0	0.3	7.3	177
401431127	2011	5	9	17	V	3.6	0.3	7.28	173
401431127	2011	5	9	18	V	3.7	0.4	7.11	178
401431127	2011	5	9	19	V	1.5	0.5	6.36	179
401431127	2011	5	9	20	V	2.9	0.4	5.26	177
401431127	2011	5	9	21	V	2.7	0.5	4.68	170
401431127	2011	5	9	22	V	1.4	0.5	4	168
401431127	2011	5	9	23	V	1.1	0.4	3.95	159
401431127	2011	5	9	24	V	1.5	0.4	3.88	168
401431127	2011	5	10	1	V	1.3	0.4	2.11	170
401431127	2011	5	10	2	V	1.0	0.4	1.62	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	10	3	V	0.4	0.4	4.05	181
401431127	2011	5	10	4	V	0.6	0.4	5.21	185
401431127	2011	5	10	5	V	1.4	0.4	4.51	179
401431127	2011	5	10	6	V	0.5	0.4	4.15	179
401431127	2011	5	10	7	V	1.1	0.4	4.8	179
401431127	2011	5	10	8	V	3.9	0.5	5.65	173
401431127	2011	5	10	9	V	1.2	0.8	6.23	174
401431127	2011	5	10	10	V	2.4	1	7.57	186
401431127	2011	5	10	11	V	1.9	0.9	8.66	191
401431127	2011	5	10	12	V	2.2	0.6	8.28	184
401431127	2011	5	10	13	V	2.3	0.4	7.54	182
401431127	2011	5	10	14	V	2.3	0.3	7.77	189
401431127	2011	5	10	15	V	1.8	0.3	6.65	192
401431127	2011	5	10	16	V	2.0	0.3	5.44	180
401431127	2011	5	10	17	V	3.6	0.3	6.11	179
401431127	2011	5	10	18	V	3.7	0.3	4.12	172
401431127	2011	5	10	19	V	1.5	0.3	3.35	169
401431127	2011	5	10	20	V	2.9	0.3	2.57	169
401431127	2011	5	10	21	V	2.7	0.3	1.99	170
401431127	2011	5	10	22	V	1.4	0.2	2.35	133
401431127	2011	5	10	23	V	1.1	0.2	2.98	143
401431127	2011	5	10	24	V	1.5	0.2	2.64	141
401431127	2011	5	11	1	V	1.3	0.2	2.16	137
401431127	2011	5	11	2	V	4.2	0.2	1.04	198
401431127	2011	5	11	3	V	2.2	0.3	0.99	196
401431127	2011	5	11	4	V	0.6	0.3	1.42	181
401431127	2011	5	11	5	V	1.5	0.3	1.89	174
401431127	2011	5	11	6	V	0.5	0.3	3.22	167
401431127	2011	5	11	7	V	1.1	0.3	3.15	164
401431127	2011	5	11	8	V	3.9	0.4	4.29	167
401431127	2011	5	11	9	V	1.2	0.4	6.63	174
401431127	2011	5	11	10	V	2.4	0.3	7.47	175
401431127	2011	5	11	11	V	1.9	0.3	6.23	189
401431127	2011	5	11	12	V	2.2	0.3	7.18	184
401431127	2011	5	11	13	V	2.3	0.2	6.24	176
401431127	2011	5	11	14	V	2.3	0.2	6.11	170
401431127	2011	5	11	15	V	1.7	0.2	6.35	175
401431127	2011	5	11	16	V	2.0	0.2	5.48	168
401431127	2011	5	11	17	V	3.6	0.1	4.66	233
401431127	2011	5	11	18	V	3.7	0	2.59	313
401431127	2011	5	11	19	V	1.5	0	3.07	110
401431127	2011	5	11	20	V	3.0	0	1.77	108
401431127	2011	5	11	21	V	2.9	0	0.96	251
401431127	2011	5	11	22	V	1.5	0	1.38	126
401431127	2011	5	11	23	V	1.1	0	1.99	170
401431127	2011	5	11	24	V	1.5	0	2.21	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	12	1	V	1.3	0	2.88	167
401431127	2011	5	12	2	V	0.9	0	3.35	169
401431127	2011	5	12	3	V	0.5	0	2.4	164
401431127	2011	5	12	4	V	0.6	0	2.52	170
401431127	2011	5	12	5	V	1.4	0	2.13	172
401431127	2011	5	12	6	V	0.5	0	2.11	171
401431127	2011	5	12	7	V	1.2	0.1	2.44	165
401431127	2011	5	12	8	V	4.0	0.2	3.56	172
401431127	2011	5	12	9	V	1.3	0.9	4.9	186
401431127	2011	5	12	10	V	2.6	2.8	6.06	196
401431127	2011	5	12	11	V	3.3	1.3	5.38	203
401431127	2011	5	12	12	V	2.8	1	5.87	199
401431127	2011	5	12	13	V	2.7	1.4	5.58	196
401431127	2011	5	12	14	V	3.1	1.4	5.09	214
401431127	2011	5	12	15	V	2.7	2	4.26	202
401431127	2011	5	12	16	V	2.1	1.2	4.15	186
401431127	2011	5	12	17	V	3.7	0.4	1.96	285
401431127	2011	5	12	18	V	5.1	0.2	2.28	204
401431127	2011	5	12	19	V	1.5	0.2	3.15	147
401431127	2011	5	12	20	V	3.0	0.2	1.21	278
401431127	2011	5	12	21	V	4.2	0.2	0.62	225
401431127	2011	5	12	22	V	2.2	0.7	0.92	224
401431127	2011	5	12	23	V	7.4	0.5	0.86	216
401431127	2011	5	12	24	V	1.5	0.4	1.42	300
401431127	2011	5	13	1	V	1.4	0.2	1.6	272
401431127	2011	5	13	2	V	0.9	0.2	2.79	265
401431127	2011	5	13	3	V	0.4	0.1	2.64	263
401431127	2011	5	13	4	V	0.6	0.3	1.93	258
401431127	2011	5	13	5	V	1.4	0.1	2.3	256
401431127	2011	5	13	6	V	0.5	0.2	3.12	274
401431127	2011	5	13	7	V	1.1	0.1	3.83	294
401431127	2011	5	13	8	V	3.9	0.1	4.54	305
401431127	2011	5	13	9	V	1.3	0	4.39	312
401431127	2011	5	13	10	V	2.4	0	4	316
401431127	2011	5	13	11	V	1.9	0	4.05	320
401431127	2011	5	13	12	V	2.2	-999	4.61	319
401431127	2011	5	13	13	V	2.3	0	4.7	325
401431127	2011	5	13	14	V	2.3	0	3.64	307
401431127	2011	5	13	15	V	1.7	0	3.97	317
401431127	2011	5	13	16	V	2.0	0	3.88	321
401431127	2011	5	13	17	V	3.6	0	3.75	325
401431127	2011	5	13	18	V	3.7	0	3.39	340
401431127	2011	5	13	19	V	1.5	0	3.58	353
401431127	2011	5	13	20	V	2.9	0	2.89	347
401431127	2011	5	13	21	V	2.7	0	2.91	348
401431127	2011	5	13	22	V	1.4	0	3.08	345

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	13	23	V	1.1	0	3.63	346
401431127	2011	5	13	24	V	1.5	0	4.03	350
401431127	2011	5	14	1	V	1.3	0	4.56	351
401431127	2011	5	14	2	V	0.9	0	4.19	344
401431127	2011	5	14	3	V	0.4	0	4.36	341
401431127	2011	5	14	4	V	0.5	0	4.25	345
401431127	2011	5	14	5	V	1.4	0	4.34	342
401431127	2011	5	14	6	V	0.5	0	3.66	349
401431127	2011	5	14	7	V	1.0	0	4.7	348
401431127	2011	5	14	8	V	3.9	0	5	347
401431127	2011	5	14	9	V	1.2	0	4.76	346
401431127	2011	5	14	10	V	2.4	0	5.11	343
401431127	2011	5	14	11	V	1.9	0	4.95	349
401431127	2011	5	14	12	V	2.2	0	5.1	345
401431127	2011	5	14	13	V	2.3	0	4.83	338
401431127	2011	5	14	14	V	2.3	0	4.76	346
401431127	2011	5	14	15	V	1.7	0	4.92	349
401431127	2011	5	14	16	V	2.0	0	4.85	350
401431127	2011	5	14	17	V	3.6	0	4.7	344
401431127	2011	5	14	18	V	3.7	0	3.81	353
401431127	2011	5	14	19	V	1.5	0	2.81	355
401431127	2011	5	14	20	V	2.9	0	2.1	5
401431127	2011	5	14	21	V	2.7	0	2.16	355
401431127	2011	5	14	22	V	1.4	0	2.88	346
401431127	2011	5	14	23	V	1.1	0	3.49	352
401431127	2011	5	14	24	V	1.5	0	3.37	347
401431127	2011	5	15	1	V	1.3	0	3.83	352
401431127	2011	5	15	2	V	0.9	0	3.15	352
401431127	2011	5	15	3	V	0.5	0	2.28	343
401431127	2011	5	15	4	V	0.6	0	1.81	323
401431127	2011	5	15	5	V	1.5	0	1.69	321
401431127	2011	5	15	6	V	0.5	0	2.15	319
401431127	2011	5	15	7	V	1.2	0	2.35	313
401431127	2011	5	15	8	V	4.0	0	3.29	324
401431127	2011	5	15	9	V	1.3	0	4.37	340
401431127	2011	5	15	10	V	2.4	0	4.14	332
401431127	2011	5	15	11	V	1.9	0	4.14	327
401431127	2011	5	15	12	V	2.2	0	4.46	334
401431127	2011	5	15	13	V	2.3	0	4.17	324
401431127	2011	5	15	14	V	2.3	0	4.09	321
401431127	2011	5	15	15	V	1.7	0	3.92	316
401431127	2011	5	15	16	V	2.0	0	4.48	336
401431127	2011	5	15	17	V	3.6	0	4.43	331
401431127	2011	5	15	18	V	3.7	0	4.02	354
401431127	2011	5	15	19	V	1.5	0	3.71	355
401431127	2011	5	15	20	V	2.9	0	4.8	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	15	21	V	2.7	0	5.5	17
401431127	2011	5	15	22	V	1.4	0	3.32	10
401431127	2011	5	15	23	V	1.1	0	2.66	1
401431127	2011	5	15	24	V	1.5	0	2.57	1
401431127	2011	5	16	1	V	1.3	0	2.37	358
401431127	2011	5	16	2	V	0.9	0	2.35	357
401431127	2011	5	16	3	V	0.5	0	1.82	334
401431127	2011	5	16	4	V	0.7	0	1.2	315
401431127	2011	5	16	5	V	1.5	0	1.64	333
401431127	2011	5	16	6	V	0.6	0	1.25	343
401431127	2011	5	16	7	V	1.5	0	1.21	294
401431127	2011	5	16	8	V	3.9	0.1	3.85	10
401431127	2011	5	16	9	V	1.3	0.2	3.3	24
401431127	2011	5	16	10	V	2.6	0.2	2.91	25
401431127	2011	5	16	11	V	2.7	0.2	3.49	35
401431127	2011	5	16	12	V	2.4	0.2	3.44	27
401431127	2011	5	16	13	V	2.4	0.2	3.29	16
401431127	2011	5	16	14	V	2.4	0.2	2.91	5
401431127	2011	5	16	15	V	1.8	0.2	2.44	8
401431127	2011	5	16	16	V	2.1	0.2	2.55	11
401431127	2011	5	16	17	V	3.7	0.5	2.61	8
401431127	2011	5	16	18	V	3.8	0.3	1.98	359
401431127	2011	5	16	19	V	1.6	0.2	1.62	16
401431127	2011	5	16	20	V	3.1	0.1	0.79	10
401431127	2011	5	16	21	V	3.1	0.1	0.63	3
401431127	2011	5	16	22	V	1.8	0.1	0.53	274
401431127	2011	5	16	23	V	1.3	0	0.74	278
401431127	2011	5	16	24	V	1.8	0	0.67	260
401431127	2011	5	17	1	C	-999	0.1	0	0
401431127	2011	5	17	2	C	-999	0.1	0	0
401431127	2011	5	17	3	C	-999	0	0	0
401431127	2011	5	17	4	C	-999	0	0	0
401431127	2011	5	17	5	C	-999	0	0	0
401431127	2011	5	17	6	C	-999	0.1	0	0
401431127	2011	5	17	7	V	2.7	0.1	0.52	147
401431127	2011	5	17	8	V	4.8	0.2	1.11	82
401431127	2011	5	17	9	V	1.4	1.2	2.55	155
401431127	2011	5	17	10	V	2.4	1.8	3.03	157
401431127	2011	5	17	11	V	1.9	1.8	3.17	110
401431127	2011	5	17	12	V	2.2	2.2	3.1	92
401431127	2011	5	17	13	V	2.4	1.4	3.27	110
401431127	2011	5	17	14	V	2.4	1.5	3.22	102
401431127	2011	5	17	15	V	1.7	2.4	3.22	98
401431127	2011	5	17	16	V	2.0	1.9	2.98	119
401431127	2011	5	17	17	V	3.6	1.6	3.93	136
401431127	2011	5	17	18	V	3.7	2.1	4.19	125

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	17	19	V	1.5	1.9	3.93	118
401431127	2011	5	17	20	V	2.9	1.8	2.33	127
401431127	2011	5	17	21	V	2.9	0.7	0.77	294
401431127	2011	5	17	22	V	1.6	0.2	0.97	15
401431127	2011	5	17	23	V	1.3	0.1	0.84	65
401431127	2011	5	17	24	V	1.5	0.3	3.05	121
401431127	2011	5	18	1	V	1.4	0.4	1.62	97
401431127	2011	5	18	2	V	0.9	0.3	2.84	105
401431127	2011	5	18	3	V	0.5	0.2	2.84	98
401431127	2011	5	18	4	V	0.6	0.2	2.76	65
401431127	2011	5	18	5	V	1.4	0.1	3.03	107
401431127	2011	5	18	6	V	0.5	0.1	3.8	132
401431127	2011	5	18	7	V	1.1	0.1	3.08	88
401431127	2011	5	18	8	V	4.0	0.1	2.89	103
401431127	2011	5	18	9	V	1.3	0.3	4.36	99
401431127	2011	5	18	10	V	2.4	0.9	6.21	120
401431127	2011	5	18	11	V	1.9	1.1	5.73	130
401431127	2011	5	18	12	V	2.2	0.9	6.3	140
401431127	2011	5	18	13	V	2.3	0.6	5.87	144
401431127	2011	5	18	14	V	2.3	0.3	5.44	141
401431127	2011	5	18	15	V	1.7	0.2	4.77	123
401431127	2011	5	18	16	V	2.0	0.2	5.87	122
401431127	2011	5	18	17	V	3.6	0.2	5.9	118
401431127	2011	5	18	18	V	3.7	0.3	5.33	122
401431127	2011	5	18	19	V	1.5	0.4	4.73	131
401431127	2011	5	18	20	V	2.9	0.3	4.43	136
401431127	2011	5	18	21	V	2.7	0.4	4.87	137
401431127	2011	5	18	22	V	1.4	0.5	4.75	134
401431127	2011	5	18	23	V	1.1	0.6	4.19	138
401431127	2011	5	18	24	V	1.5	0.6	3.7	146
401431127	2011	5	19	1	V	1.3	0.5	4.36	149
401431127	2011	5	19	2	V	0.9	0.5	5.36	149
401431127	2011	5	19	3	V	0.5	0.4	3.86	154
401431127	2011	5	19	4	V	0.5	0.4	4.36	171
401431127	2011	5	19	5	V	1.4	0.4	5.96	179
401431127	2011	5	19	6	V	0.5	0.3	5.96	172
401431127	2011	5	19	7	V	1.0	0.2	6.46	173
401431127	2011	5	19	8	V	3.9	0.2	7.46	172
401431127	2011	5	19	9	V	1.2	0.1	8.46	176
401431127	2011	5	19	10	V	2.4	0.1	6.46	162
401431127	2011	5	19	11	V	1.9	0.2	6.96	175
401431127	2011	5	19	12	V	2.2	0.2	7.46	157
401431127	2011	5	19	13	V	2.3	0.3	6.96	158
401431127	2011	5	19	14	V	2.3	0.3	5.36	161
401431127	2011	5	19	15	V	1.7	0.2	6.17	163
401431127	2011	5	19	16	V	2.0	0.2	5.02	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	19	17	V	3.6	0.2	5.46	155
401431127	2011	5	19	18	V	3.7	0.3	5.53	156
401431127	2011	5	19	19	V	1.5	0.2	5.36	164
401431127	2011	5	19	20	V	2.9	0.2	3.97	161
401431127	2011	5	19	21	V	2.7	0.2	4.44	152
401431127	2011	5	19	22	V	1.4	0.1	3.37	151
401431127	2011	5	19	23	V	1.1	0.1	3.47	151
401431127	2011	5	19	24	V	1.5	0.2	4.36	167
401431127	2011	5	20	1	V	4.4	0.3	3.15	197
401431127	2011	5	20	2	V	0.9	0.2	2.27	147
401431127	2011	5	20	3	V	0.5	0.2	3.59	121
401431127	2011	5	20	4	V	0.6	0.2	3.39	139
401431127	2011	5	20	5	V	1.4	0.2	3.44	141
401431127	2011	5	20	6	V	0.5	0.2	3.95	151
401431127	2011	5	20	7	V	3.6	0.1	3.3	214
401431127	2011	5	20	8	V	4.1	0.1	2.4	178
401431127	2011	5	20	9	V	2.4	0.2	1.72	190
401431127	2011	5	20	10	V	2.5	0.2	2.74	169
401431127	2011	5	20	11	V	2.0	0.2	2.74	112
401431127	2011	5	20	12	V	2.2	0.1	4.2	146
401431127	2011	5	20	13	V	2.3	0.1	5.46	132
401431127	2011	5	20	14	V	2.3	0.1	4.14	157
401431127	2011	5	20	15	V	2.2	0.5	4.15	196
401431127	2011	5	20	16	V	2.0	1.1	4.92	176
401431127	2011	5	20	17	V	3.6	0.3	5.16	132
401431127	2011	5	20	18	V	3.7	0.3	3.68	183
401431127	2011	5	20	19	V	1.5	0.2	3.47	155
401431127	2011	5	20	20	V	2.9	0.1	2.61	163
401431127	2011	5	20	21	V	2.7	0.1	3.32	178
401431127	2011	5	20	22	V	1.4	0.1	3.92	156
401431127	2011	5	20	23	V	1.1	0.1	4.2	164
401431127	2011	5	20	24	V	1.5	0.1	4.02	164
401431127	2011	5	21	1	V	1.3	0.1	4.08	176
401431127	2011	5	21	2	V	0.9	0.1	4.12	178
401431127	2011	5	21	3	V	0.5	0.1	3.93	178
401431127	2011	5	21	4	V	0.6	0	4.02	178
401431127	2011	5	21	5	V	1.4	0.1	4.24	165
401431127	2011	5	21	6	V	0.5	0.1	5.19	176
401431127	2011	5	21	7	V	1.0	0.1	5.44	180
401431127	2011	5	21	8	V	3.9	0.1	5.43	183
401431127	2011	5	21	9	V	1.2	0.1	6.58	182
401431127	2011	5	21	10	V	2.4	0.1	6.67	181
401431127	2011	5	21	11	V	1.9	0.1	6.47	181
401431127	2011	5	21	12	V	2.2	0.2	6.94	175
401431127	2011	5	21	13	V	2.3	0.3	6.64	169
401431127	2011	5	21	14	V	2.3	0.3	7.65	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	21	15	V	1.7	0.3	7.67	171
401431127	2011	5	21	16	V	2.0	0.2	6.96	172
401431127	2011	5	21	17	V	3.6	0.1	7.09	174
401431127	2011	5	21	18	V	3.7	0.1	6.57	174
401431127	2011	5	21	19	V	1.5	0.1	5.72	172
401431127	2011	5	21	20	V	2.9	0.1	4.46	169
401431127	2011	5	21	21	V	2.7	0.1	4.67	170
401431127	2011	5	21	22	V	1.4	0.1	4.44	166
401431127	2011	5	21	23	V	1.1	0.1	4.58	169
401431127	2011	5	21	24	V	1.5	0.1	4.94	171
401431127	2011	5	22	1	V	1.3	0.1	5.33	178
401431127	2011	5	22	2	V	0.9	0.1	5.22	177
401431127	2011	5	22	3	V	0.4	0.2	5.94	179
401431127	2011	5	22	4	V	0.5	0.2	5.22	178
401431127	2011	5	22	5	V	1.4	0.2	4.2	177
401431127	2011	5	22	6	V	1.3	0.2	3.54	192
401431127	2011	5	22	7	V	1.1	0.2	5.04	182
401431127	2011	5	22	8	V	3.9	0.2	5.58	185
401431127	2011	5	22	9	V	1.2	0.2	6.86	186
401431127	2011	5	22	10	V	2.4	0.2	7.98	189
401431127	2011	5	22	11	V	2.0	0.3	7.81	195
401431127	2011	5	22	12	V	2.3	0.3	7.93	194
401431127	2011	5	22	13	V	2.5	0.4	7.48	195
401431127	2011	5	22	14	V	2.6	0.4	7.88	198
401431127	2011	5	22	15	V	2.1	0.9	7.36	200
401431127	2011	5	22	16	V	2.8	1.3	5.87	207
401431127	2011	5	22	17	V	4.4	2	5.63	206
401431127	2011	5	22	18	V	4.1	0.9	4	220
401431127	2011	5	22	19	V	2.6	0.4	2.22	215
401431127	2011	5	22	20	V	4.1	0.4	6.55	194
401431127	2011	5	22	21	V	4.2	2.1	2.93	223
401431127	2011	5	22	22	V	1.4	5.1	1.62	265
401431127	2011	5	22	23	V	2.0	3.2	1.25	195
401431127	2011	5	22	24	V	16.7	0.8	1.42	213
401431127	2011	5	23	1	V	2.1	0.5	0.57	229
401431127	2011	5	23	2	V	1.3	0.4	0.53	175
401431127	2011	5	23	3	V	0.7	0.3	0.75	128
401431127	2011	5	23	4	V	0.6	0.2	2.06	131
401431127	2011	5	23	5	V	1.4	0.1	3.3	148
401431127	2011	5	23	6	V	0.5	0.2	4.22	163
401431127	2011	5	23	7	V	1.1	0.3	4.32	180
401431127	2011	5	23	8	V	3.9	0.3	5.87	184
401431127	2011	5	23	9	V	1.2	0.3	5.75	184
401431127	2011	5	23	10	V	2.6	0.3	5.17	195
401431127	2011	5	23	11	V	1.9	0.5	3.91	180
401431127	2011	5	23	12	V	2.2	0.3	3.91	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	23	13	V	2.3	0.2	6.12	185
401431127	2011	5	23	14	V	2.3	0.2	7.11	183
401431127	2011	5	23	15	V	1.7	0.3	6.47	191
401431127	2011	5	23	16	V	2.0	0.2	6.58	192
401431127	2011	5	23	17	V	3.8	0.2	4.03	191
401431127	2011	5	23	18	V	4.9	0.1	3.73	218
401431127	2011	5	23	19	V	1.5	0.1	5.56	10
401431127	2011	5	23	20	V	5.6	0.1	4.65	51
401431127	2011	5	23	21	V	2.9	0.1	6.02	187
401431127	2011	5	23	22	V	6.4	0.2	6.64	201
401431127	2011	5	23	23	V	1.1	0.1	4.97	163
401431127	2011	5	23	24	V	1.5	0.1	3.58	131
401431127	2011	5	24	1	V	1.4	0.1	1.42	188
401431127	2011	5	24	2	V	0.9	0.1	2.49	172
401431127	2011	5	24	3	V	0.4	0.1	3.85	178
401431127	2011	5	24	4	V	0.5	0	3.4	156
401431127	2011	5	24	5	V	1.4	0	5.53	168
401431127	2011	5	24	6	V	0.5	0	6.6	177
401431127	2011	5	24	7	V	1.0	0.1	5.94	173
401431127	2011	5	24	8	V	3.9	0.1	6.84	169
401431127	2011	5	24	9	V	1.2	0.1	7.37	169
401431127	2011	5	24	10	V	2.4	0.1	6.09	171
401431127	2011	5	24	11	V	1.9	0.1	6.22	179
401431127	2011	5	24	12	V	2.2	0.2	7.09	186
401431127	2011	5	24	13	V	2.3	0.2	7.55	185
401431127	2011	5	24	14	V	2.3	0.2	7.14	179
401431127	2011	5	24	15	V	1.7	0.2	7.21	171
401431127	2011	5	24	16	V	2.0	0.2	6.24	160
401431127	2011	5	24	17	V	3.6	0.2	6.21	157
401431127	2011	5	24	18	V	3.7	0.2	5.89	154
401431127	2011	5	24	19	V	1.5	0.2	4.34	167
401431127	2011	5	24	20	V	8.2	0.1	6.35	210
401431127	2011	5	24	21	V	2.7	0.2	3.52	148
401431127	2011	5	24	22	V	19.0	0.1	1.99	206
401431127	2011	5	24	23	V	1.1	0.1	4.1	162
401431127	2011	5	24	24	V	1.5	0.1	3.39	159
401431127	2011	5	25	1	V	1.3	0.1	3.71	166
401431127	2011	5	25	2	V	3.8	0.1	3.1	198
401431127	2011	5	25	3	V	3.6	0.2	2.1	199
401431127	2011	5	25	4	V	14.1	0.2	4.17	207
401431127	2011	5	25	5	V	15.4	0.2	4.2	208
401431127	2011	5	25	6	V	10.6	0.3	4	210
401431127	2011	5	25	7	V	1.4	0.6	4.58	222
401431127	2011	5	25	8	V	3.9	0.2	5.24	230
401431127	2011	5	25	9	V	1.3	0.1	5.68	233
401431127	2011	5	25	10	V	2.4	0.1	4.54	248

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	25	11	V	1.9	0.1	4.54	242
401431127	2011	5	25	12	V	2.2	0.1	4.95	240
401431127	2011	5	25	13	V	2.3	0.1	6.26	236
401431127	2011	5	25	14	V	2.3	0.1	5.33	242
401431127	2011	5	25	15	V	1.7	0.1	5.62	244
401431127	2011	5	25	16	V	2.0	0.1	4.75	270
401431127	2011	5	25	17	V	3.6	0.1	4.46	288
401431127	2011	5	25	18	V	3.7	0.1	3.59	293
401431127	2011	5	25	19	V	1.5	0.1	2.98	287
401431127	2011	5	25	20	V	2.9	0	3.81	300
401431127	2011	5	25	21	V	2.7	0	4.2	314
401431127	2011	5	25	22	V	1.4	0	3.98	317
401431127	2011	5	25	23	V	1.1	0	3.93	316
401431127	2011	5	25	24	V	1.5	0	4.24	327
401431127	2011	5	26	1	V	1.3	0	4.48	333
401431127	2011	5	26	2	V	0.9	0	3.58	332
401431127	2011	5	26	3	V	0.5	0	3.69	332
401431127	2011	5	26	4	V	0.6	0	3.52	343
401431127	2011	5	26	5	V	1.4	0	3.51	344
401431127	2011	5	26	6	V	0.5	0	3.12	340
401431127	2011	5	26	7	V	1.1	0	2.54	337
401431127	2011	5	26	8	V	4.0	0	3.07	339
401431127	2011	5	26	9	V	1.3	0	3.95	352
401431127	2011	5	26	10	V	2.4	0	3.37	346
401431127	2011	5	26	11	V	2.0	-999	3.01	327
401431127	2011	5	26	12	V	2.3	-999	2.96	333
401431127	2011	5	26	13	V	2.4	0.1	2.71	336
401431127	2011	5	26	14	V	2.4	0.1	3	353
401431127	2011	5	26	15	V	1.8	0.1	2.57	356
401431127	2011	5	26	16	V	2.1	0.1	1.93	351
401431127	2011	5	26	17	V	3.9	0.1	1.38	339
401431127	2011	5	26	18	V	4.0	0.1	1.04	343
401431127	2011	5	26	19	V	2.7	0.2	1.84	43
401431127	2011	5	26	20	V	2.9	0.3	2.16	77
401431127	2011	5	26	21	V	4.0	0.2	0.86	55
401431127	2011	5	26	22	V	2.5	0.1	0.77	55
401431127	2011	5	26	23	V	1.5	0.1	0.53	60
401431127	2011	5	26	24	C	-999	0.1	0	0
401431127	2011	5	27	1	V	1.4	0	1.52	134
401431127	2011	5	27	2	V	0.9	0	2.69	126
401431127	2011	5	27	3	V	0.4	0	3.85	125
401431127	2011	5	27	4	V	0.5	0.1	3.54	135
401431127	2011	5	27	5	V	1.4	0	3.27	150
401431127	2011	5	27	6	V	0.5	0	3.95	136
401431127	2011	5	27	7	V	1.1	0.1	4.17	136
401431127	2011	5	27	8	V	3.9	0.1	4.85	144

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	27	9	V	1.2	0.1	5.44	152
401431127	2011	5	27	10	V	2.4	0.1	6.41	155
401431127	2011	5	27	11	V	1.9	0.2	7.65	161
401431127	2011	5	27	12	V	2.2	0.2	7.54	170
401431127	2011	5	27	13	V	2.3	0.2	7.23	174
401431127	2011	5	27	14	V	2.3	0.2	5.53	176
401431127	2011	5	27	15	V	1.7	0.3	5.31	186
401431127	2011	5	27	16	V	2.0	0.3	4.97	188
401431127	2011	5	27	17	V	3.6	0.4	4.75	174
401431127	2011	5	27	18	V	3.7	0.5	3.29	163
401431127	2011	5	27	19	V	1.5	0.5	3.22	131
401431127	2011	5	27	20	V	2.9	0.5	2.95	133
401431127	2011	5	27	21	V	2.7	0.6	3.3	118
401431127	2011	5	27	22	V	1.4	0.8	3.42	123
401431127	2011	5	27	23	V	1.1	1.1	3.83	126
401431127	2011	5	27	24	V	1.5	1.7	3.52	122
401431127	2011	5	28	1	V	1.3	0.8	4.12	119
401431127	2011	5	28	2	V	0.9	0.4	4.53	125
401431127	2011	5	28	3	V	0.4	0.6	4.1	140
401431127	2011	5	28	4	V	0.5	0.5	3.88	139
401431127	2011	5	28	5	V	1.4	0.3	3.59	134
401431127	2011	5	28	6	V	0.5	0.3	2.86	85
401431127	2011	5	28	7	V	1.1	0.4	3.25	99
401431127	2011	5	28	8	V	4.0	0.6	3.69	132
401431127	2011	5	28	9	V	1.3	0.5	4	138
401431127	2011	5	28	10	V	2.4	0.4	4.26	162
401431127	2011	5	28	11	V	1.9	0.4	5.46	179
401431127	2011	5	28	12	V	2.2	0.4	5.02	183
401431127	2011	5	28	13	V	2.3	0.3	4.82	178
401431127	2011	5	28	14	V	2.3	0.3	5.39	172
401431127	2011	5	28	15	V	1.7	0.2	6.07	169
401431127	2011	5	28	16	V	2.0	0.2	6.02	176
401431127	2011	5	28	17	V	3.6	0.2	5.89	184
401431127	2011	5	28	18	V	3.7	0.2	4.07	169
401431127	2011	5	28	19	V	1.5	0.2	3.68	167
401431127	2011	5	28	20	V	2.9	0.2	2.69	152
401431127	2011	5	28	21	V	2.7	0.2	3.15	144
401431127	2011	5	28	22	V	1.4	0.2	3	133
401431127	2011	5	28	23	V	1.1	0.3	2.98	148
401431127	2011	5	28	24	V	1.5	0.5	3.32	152
401431127	2011	5	29	1	V	1.3	0.6	3.42	153
401431127	2011	5	29	2	V	0.9	0.8	4.48	161
401431127	2011	5	29	3	V	0.4	0.8	4.58	166
401431127	2011	5	29	4	V	0.5	0.7	5.6	171
401431127	2011	5	29	5	V	1.4	0.6	5.53	175
401431127	2011	5	29	6	V	0.5	0.6	5.41	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	29	7	V	1.0	0.5	6.92	177
401431127	2011	5	29	8	V	3.9	0.6	7.62	176
401431127	2011	5	29	9	V	1.2	0.7	7.98	179
401431127	2011	5	29	10	V	2.4	0.7	9.36	179
401431127	2011	5	29	11	V	1.9	0.5	9.02	182
401431127	2011	5	29	12	V	2.2	0.4	8.98	179
401431127	2011	5	29	13	V	2.3	0.3	9.03	180
401431127	2011	5	29	14	V	2.3	0.4	9.05	179
401431127	2011	5	29	15	V	1.7	0.3	9.42	176
401431127	2011	5	29	16	V	2.0	0.2	9.2	172
401431127	2011	5	29	17	V	3.6	0.2	9.07	174
401431127	2011	5	29	18	V	3.7	0.2	7.54	170
401431127	2011	5	29	19	V	1.5	0.2	6.65	167
401431127	2011	5	29	20	V	2.9	0.5	5.77	167
401431127	2011	5	29	21	V	2.7	0.8	5.16	165
401431127	2011	5	29	22	V	1.4	0.8	5	161
401431127	2011	5	29	23	V	1.1	0.4	5.29	162
401431127	2011	5	29	24	V	1.5	0.2	5.36	164
401431127	2011	5	30	1	V	1.3	0.2	4.73	166
401431127	2011	5	30	2	V	0.9	0.3	5.48	165
401431127	2011	5	30	3	V	0.4	0.7	7.25	172
401431127	2011	5	30	4	V	0.5	0.5	6.3	171
401431127	2011	5	30	5	V	1.4	0.3	5.56	168
401431127	2011	5	30	6	V	0.5	0.2	6.35	170
401431127	2011	5	30	7	V	1.0	0.2	7.48	174
401431127	2011	5	30	8	V	3.9	0.2	6.53	175
401431127	2011	5	30	9	V	1.2	0.2	7.5	176
401431127	2011	5	30	10	V	2.4	0.2	7.23	177
401431127	2011	5	30	11	V	1.9	0.2	9.12	182
401431127	2011	5	30	12	V	2.2	0.1	8.61	176
401431127	2011	5	30	13	V	2.3	0.1	9.63	177
401431127	2011	5	30	14	V	2.3	0.1	9.17	177
401431127	2011	5	30	15	V	1.7	0.1	9.36	172
401431127	2011	5	30	16	V	2.0	0.1	8.86	174
401431127	2011	5	30	17	V	3.6	0.1	8.35	168
401431127	2011	5	30	18	V	3.7	0.1	7.3	164
401431127	2011	5	30	19	V	1.5	0.3	6.04	163
401431127	2011	5	30	20	V	2.9	0.4	4.63	169
401431127	2011	5	30	21	V	2.7	0.5	4.51	166
401431127	2011	5	30	22	V	1.4	0.5	5.02	161
401431127	2011	5	30	23	V	1.1	0.4	5.26	160
401431127	2011	5	30	24	V	1.5	0.3	4.8	170
401431127	2011	5	31	1	V	1.3	0.5	5.73	169
401431127	2011	5	31	2	V	0.9	0.7	5.73	174
401431127	2011	5	31	3	V	0.5	0.5	6.19	186
401431127	2011	5	31	4	V	0.7	0.3	6.18	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	5	31	5	V	1.4	0.2	5.89	181
401431127	2011	5	31	6	V	0.5	1.3	1.99	230
401431127	2011	5	31	7	V	1.1	0.7	2.4	179
401431127	2011	5	31	8	V	3.9	0.7	3.92	183
401431127	2011	5	31	9	V	1.3	0.6	4.12	181
401431127	2011	5	31	10	V	3.0	1.6	5.72	200
401431127	2011	5	31	11	V	3.1	1.7	4.94	207
401431127	2011	5	31	12	V	2.8	1	3.85	219
401431127	2011	5	31	13	V	3.0	1	3.51	217
401431127	2011	5	31	14	V	2.9	0.5	2.89	220
401431127	2011	5	31	15	V	2.0	0.3	1.91	233
401431127	2011	5	31	16	V	2.2	0.3	2.2	180
401431127	2011	5	31	17	V	4.0	0.3	1.91	191
401431127	2011	5	31	18	V	3.7	0.3	3.34	180
401431127	2011	5	31	19	V	1.5	0.2	2.98	169
401431127	2011	5	31	20	V	2.9	0.2	2.52	155
401431127	2011	5	31	21	V	2.9	0.2	1.01	173
401431127	2011	5	31	22	V	1.8	0.2	0.52	10
401431127	2011	5	31	23	V	2.0	0.1	0.57	191
401431127	2011	5	31	24	V	1.9	0.2	0.58	248
401431127	2011	6	1	1	V	5.8	0.2	0.65	278
401431127	2011	6	1	2	V	3.0	0.1	0.55	346
401431127	2011	6	1	3	V	4.8	0.1	0.53	299
401431127	2011	6	1	4	C	-999	0.1	0	0
401431127	2011	6	1	5	V	0.9	0.1	0.96	62
401431127	2011	6	1	6	V	8.4	0.1	1.57	88
401431127	2011	6	1	7	V	1.0	0.2	1.89	129
401431127	2011	6	1	8	V	1.4	0.2	2.35	140
401431127	2011	6	1	9	V	1.4	0.2	3.63	165
401431127	2011	6	1	10	V	1.0	0.4	4.56	171
401431127	2011	6	1	11	V	1.6	0.4	4.34	175
401431127	2011	6	1	12	V	2.2	0.4	4.65	172
401431127	2011	6	1	13	V	2.4	0.5	4.78	171
401431127	2011	6	1	14	V	3.1	0.4	5.6	178
401431127	2011	6	1	15	V	2.0	0.4	5.09	172
401431127	2011	6	1	16	V	2.5	0.4	4.65	165
401431127	2011	6	1	17	V	2.1	0.3	4.68	162
401431127	2011	6	1	18	V	5.8	0.3	4.93	157
401431127	2011	6	1	19	V	1.5	0.3	4.41	163
401431127	2011	6	1	20	V	1.9	0.3	4	147
401431127	2011	6	1	21	V	1.4	0.3	3.76	144
401431127	2011	6	1	22	V	1.0	0.4	2.83	157
401431127	2011	6	1	23	V	0.7	0.3	3.01	164
401431127	2011	6	1	24	V	2.2	0.2	2.93	174
401431127	2011	6	2	1	V	5.5	0.2	3.01	177
401431127	2011	6	2	2	V	2.7	0.2	1.93	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	2	3	V	4.7	0.2	0.57	260
401431127	2011	6	2	4	V	0.9	0.2	1.16	137
401431127	2011	6	2	5	V	0.6	0.1	3.18	173
401431127	2011	6	2	6	V	8.4	0.2	2.45	170
401431127	2011	6	2	7	V	0.9	0.2	3.22	173
401431127	2011	6	2	8	V	2.4	1.1	3.63	197
401431127	2011	6	2	9	V	1.5	1.4	4.31	189
401431127	2011	6	2	10	V	1.2	-999	4.78	193
401431127	2011	6	2	11	V	1.7	-999	4.87	192
401431127	2011	6	2	12	V	2.3	0.8	5.31	190
401431127	2011	6	2	13	V	2.4	0.5	6.01	179
401431127	2011	6	2	14	V	3.1	0.4	7.33	189
401431127	2011	6	2	15	V	2.0	0.4	6.62	184
401431127	2011	6	2	16	V	2.5	0.3	6.77	178
401431127	2011	6	2	17	V	2.1	0.3	6.46	176
401431127	2011	6	2	18	V	5.8	0.3	4.88	173
401431127	2011	6	2	19	V	1.5	0.3	3.47	166
401431127	2011	6	2	20	V	1.9	0.2	3.34	164
401431127	2011	6	2	21	V	1.4	0.2	3.47	163
401431127	2011	6	2	22	V	1.0	0.2	3.4	165
401431127	2011	6	2	23	V	0.7	0.6	3.1	182
401431127	2011	6	2	24	V	2.2	0.6	2.54	187
401431127	2011	6	3	1	V	12.9	0.4	0.91	201
401431127	2011	6	3	2	V	16.5	0.3	1.06	205
401431127	2011	6	3	3	V	19.4	0.2	1.42	204
401431127	2011	6	3	4	V	1.1	0.2	1.4	193
401431127	2011	6	3	5	V	0.7	0.2	2.39	184
401431127	2011	6	3	6	V	8.4	0.2	3.68	181
401431127	2011	6	3	7	V	0.8	0.4	5.5	182
401431127	2011	6	3	8	V	1.2	0.8	5.84	181
401431127	2011	6	3	9	V	1.4	0.7	5.26	179
401431127	2011	6	3	10	V	1.0	0.7	5.51	177
401431127	2011	6	3	11	V	1.5	0.5	6.12	178
401431127	2011	6	3	12	V	2.2	0.5	6.97	184
401431127	2011	6	3	13	V	2.6	0.9	6.65	193
401431127	2011	6	3	14	V	3.3	1.1	5.9	195
401431127	2011	6	3	15	V	2.1	1.1	6.99	189
401431127	2011	6	3	16	V	2.5	0.4	6.99	189
401431127	2011	6	3	17	V	2.2	0.4	6.36	187
401431127	2011	6	3	18	V	5.8	0.4	5.36	182
401431127	2011	6	3	19	V	1.5	0.3	3.8	180
401431127	2011	6	3	20	V	1.9	0.3	2.54	187
401431127	2011	6	3	21	V	1.4	0.3	1.93	187
401431127	2011	6	3	22	V	1.0	0.3	1.6	149
401431127	2011	6	3	23	V	0.8	0.4	1.25	181
401431127	2011	6	3	24	V	3.6	0.5	0.96	222

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	4	1	V	5.6	0.6	2.33	180
401431127	2011	6	4	2	V	2.8	0.5	1.23	176
401431127	2011	6	4	3	V	4.8	0.3	0.52	339
401431127	2011	6	4	4	V	1.0	0.2	0.65	268
401431127	2011	6	4	5	V	3.2	0.3	0.63	222
401431127	2011	6	4	6	V	8.4	0.3	1.28	233
401431127	2011	6	4	7	V	1.7	0.4	2.84	193
401431127	2011	6	4	8	V	2.7	2	4	200
401431127	2011	6	4	9	V	2.0	5.1	3.54	221
401431127	2011	6	4	10	V	1.5	1.2	3.1	224
401431127	2011	6	4	11	V	2.1	0.9	3.75	218
401431127	2011	6	4	12	V	2.7	0.8	4.1	214
401431127	2011	6	4	13	V	2.9	1.1	5.21	204
401431127	2011	6	4	14	V	3.5	0.9	5.36	207
401431127	2011	6	4	15	V	2.4	0.8	4.54	212
401431127	2011	6	4	16	V	2.7	0.7	5	194
401431127	2011	6	4	17	V	2.4	1.2	4.19	195
401431127	2011	6	4	18	V	5.8	0.3	4.34	170
401431127	2011	6	4	19	V	1.5	0.3	3.56	173
401431127	2011	6	4	20	V	3.2	0.3	1.47	194
401431127	2011	6	4	21	C	-999	0.2	0	0
401431127	2011	6	4	22	V	1.2	0.2	0.8	245
401431127	2011	6	4	23	V	0.9	0.2	0.84	240
401431127	2011	6	4	24	V	2.5	0.2	0.67	252
401431127	2011	6	5	1	V	5.9	0.2	0.57	256
401431127	2011	6	5	2	V	2.9	0.3	0.75	290
401431127	2011	6	5	3	V	4.7	0.2	0.58	250
401431127	2011	6	5	4	V	1.0	0.3	0.62	258
401431127	2011	6	5	5	V	0.9	0.3	0.63	306
401431127	2011	6	5	6	C	-999	0.3	0	0
401431127	2011	6	5	7	V	2.4	0.5	0.62	247
401431127	2011	6	5	8	V	2.7	1.8	2.37	192
401431127	2011	6	5	9	V	2.5	9.9	3.49	199
401431127	2011	6	5	10	V	1.4	1.7	3.46	220
401431127	2011	6	5	11	V	2.0	1.2	2.96	219
401431127	2011	6	5	12	V	2.7	0.9	3.75	213
401431127	2011	6	5	13	V	2.8	0.5	4.31	217
401431127	2011	6	5	14	V	3.4	0.7	3.76	218
401431127	2011	6	5	15	V	2.1	1.3	3	234
401431127	2011	6	5	16	V	2.8	1.3	3.13	214
401431127	2011	6	5	17	V	2.4	1.2	2.62	227
401431127	2011	6	5	18	V	6.1	1.9	3.01	196
401431127	2011	6	5	19	V	1.5	1.9	3.24	174
401431127	2011	6	5	20	V	1.9	0.6	2.71	171
401431127	2011	6	5	21	V	1.4	0.4	2.33	178
401431127	2011	6	5	22	V	1.4	0.4	1.14	192

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	5	23	V	7.0	0.3	1.03	217
401431127	2011	6	5	24	V	2.9	0.3	2.37	196
401431127	2011	6	6	1	V	5.8	0.3	2.47	194
401431127	2011	6	6	2	V	14.9	0.4	1.23	203
401431127	2011	6	6	3	V	8.6	5.3	0.62	219
401431127	2011	6	6	4	V	1.4	12.8	1.01	193
401431127	2011	6	6	5	C	-999	11.6	0	0
401431127	2011	6	6	6	V	19.3	6.8	0.86	205
401431127	2011	6	6	7	V	1.7	11.9	1.64	186
401431127	2011	6	6	8	V	1.5	14.5	2.86	186
401431127	2011	6	6	9	V	1.6	15.3	3.23	187
401431127	2011	6	6	10	V	2.2	9.3	3.06	202
401431127	2011	6	6	11	V	1.7	8.4	3.93	185
401431127	2011	6	6	12	V	2.4	2.1	4.61	190
401431127	2011	6	6	13	V	2.5	1.3	4.24	178
401431127	2011	6	6	14	V	3.1	1.1	4.34	173
401431127	2011	6	6	15	V	2.0	0.8	4.54	172
401431127	2011	6	6	16	V	2.5	0.8	5.24	169
401431127	2011	6	6	17	V	2.1	0.7	5.14	162
401431127	2011	6	6	18	V	5.8	0.7	5.16	155
401431127	2011	6	6	19	V	1.5	0.8	4.27	162
401431127	2011	6	6	20	V	1.9	0.8	3.46	164
401431127	2011	6	6	21	V	1.4	0.7	3.27	168
401431127	2011	6	6	22	V	1.0	0.6	2.47	170
401431127	2011	6	6	23	V	0.8	0.5	1.57	177
401431127	2011	6	6	24	V	2.4	0.5	0.97	169
401431127	2011	6	7	1	V	5.6	0.6	1.43	169
401431127	2011	6	7	2	C	-999	0.5	0	0
401431127	2011	6	7	3	C	-999	0.5	0	0
401431127	2011	6	7	4	V	3.9	0.4	0.55	221
401431127	2011	6	7	5	V	0.8	0.3	1.38	188
401431127	2011	6	7	6	V	8.5	0.3	1.31	189
401431127	2011	6	7	7	V	9.6	0.4	1.45	206
401431127	2011	6	7	8	V	1.3	0.4	3.63	182
401431127	2011	6	7	9	V	1.3	0.7	5.67	176
401431127	2011	6	7	10	V	0.9	0.7	6.41	174
401431127	2011	6	7	11	V	1.6	1.2	6.57	184
401431127	2011	6	7	12	V	2.2	1.3	6.36	181
401431127	2011	6	7	13	V	2.4	0.7	6.46	182
401431127	2011	6	7	14	V	3.0	0.4	6.43	174
401431127	2011	6	7	15	V	2.0	0.4	6.91	171
401431127	2011	6	7	16	V	2.5	0.4	6.55	176
401431127	2011	6	7	17	V	2.1	0.4	6.86	173
401431127	2011	6	7	18	V	5.8	0.4	5.95	171
401431127	2011	6	7	19	V	1.5	0.4	4.51	165
401431127	2011	6	7	20	V	1.9	0.4	3.63	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	7	21	V	1.4	0.4	3.7	168
401431127	2011	6	7	22	V	1.0	0.4	4.25	167
401431127	2011	6	7	23	V	0.7	0.9	4.46	167
401431127	2011	6	7	24	V	2.2	3.4	3.95	172
401431127	2011	6	8	1	V	5.5	1.6	3.76	171
401431127	2011	6	8	2	V	2.6	0.7	3.1	170
401431127	2011	6	8	3	V	4.4	0.6	2.05	160
401431127	2011	6	8	4	V	0.8	0.5	1.82	169
401431127	2011	6	8	5	V	0.7	0.4	1.55	159
401431127	2011	6	8	6	V	8.4	0.4	2.16	160
401431127	2011	6	8	7	V	1.0	0.5	2.5	166
401431127	2011	6	8	8	V	1.2	0.7	3.93	180
401431127	2011	6	8	9	V	1.4	0.8	4.93	180
401431127	2011	6	8	10	V	1.0	0.6	6.12	183
401431127	2011	6	8	11	V	1.5	0.5	6.04	177
401431127	2011	6	8	12	V	2.2	0.4	6.74	182
401431127	2011	6	8	13	V	2.4	0.4	7.37	181
401431127	2011	6	8	14	V	3.0	0.3	7.2	175
401431127	2011	6	8	15	V	2.0	0.3	7.31	173
401431127	2011	6	8	16	V	2.5	0.3	7.77	170
401431127	2011	6	8	17	V	2.1	0.4	7.79	172
401431127	2011	6	8	18	V	5.8	0.5	7.03	171
401431127	2011	6	8	19	V	1.5	0.4	6.4	172
401431127	2011	6	8	20	V	1.9	0.3	4.97	171
401431127	2011	6	8	21	V	1.4	0.3	4	166
401431127	2011	6	8	22	V	1.0	0.3	4.22	165
401431127	2011	6	8	23	V	0.7	0.2	4.31	169
401431127	2011	6	8	24	V	2.2	0.3	4.53	168
401431127	2011	6	9	1	V	5.5	0.8	3.44	161
401431127	2011	6	9	2	V	2.6	0.7	3.23	154
401431127	2011	6	9	3	V	4.4	0.6	2.54	187
401431127	2011	6	9	4	V	0.7	0.5	2.95	171
401431127	2011	6	9	5	V	0.7	0.4	2.4	169
401431127	2011	6	9	6	V	8.4	0.4	2.1	171
401431127	2011	6	9	7	V	0.9	0.5	2.78	172
401431127	2011	6	9	8	V	1.2	0.5	4.68	172
401431127	2011	6	9	9	V	1.3	0.5	6.19	181
401431127	2011	6	9	10	V	1.0	0.5	6.96	187
401431127	2011	6	9	11	V	1.6	0.4	7.48	186
401431127	2011	6	9	12	V	2.2	0.3	7.93	186
401431127	2011	6	9	13	V	2.4	0.2	7.72	172
401431127	2011	6	9	14	V	3.0	0.2	7.84	176
401431127	2011	6	9	15	V	2.0	0.2	7.42	174
401431127	2011	6	9	16	V	2.5	0.2	7.91	169
401431127	2011	6	9	17	V	2.1	0.3	7.89	169
401431127	2011	6	9	18	V	5.8	0.2	7.55	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	9	19	V	1.5	0.2	5.85	168
401431127	2011	6	9	20	V	1.9	0.2	3.86	165
401431127	2011	6	9	21	V	1.4	0.2	3.13	167
401431127	2011	6	9	22	V	1.0	0.2	2.32	188
401431127	2011	6	9	23	V	0.7	0.3	2.5	174
401431127	2011	6	9	24	V	2.2	0.3	1.94	164
401431127	2011	6	10	1	V	5.6	0.3	2.59	67
401431127	2011	6	10	2	V	2.6	0.5	3.49	133
401431127	2011	6	10	3	V	9.2	1.2	3.03	199
401431127	2011	6	10	4	V	0.8	0.9	1.86	246
401431127	2011	6	10	5	V	3.0	1.3	1.16	197
401431127	2011	6	10	6	V	9.8	1.4	1.74	197
401431127	2011	6	10	7	V	5.3	3.3	1.99	198
401431127	2011	6	10	8	V	2.4	2.1	5.96	205
401431127	2011	6	10	9	V	1.6	3.8	7.96	198
401431127	2011	6	10	10	C	-999	2.3	0	0
401431127	2011	6	10	11	C	-999	0.8	0	0
401431127	2011	6	10	12	V	2.8	3	4.86	200
401431127	2011	6	10	13	V	2.4	0.7	4.86	172
401431127	2011	6	10	14	V	3.0	0.5	7.96	177
401431127	2011	6	10	15	V	2.1	0.5	5.96	191
401431127	2011	6	10	16	V	2.5	0.5	5.36	169
401431127	2011	6	10	17	V	2.2	0.4	4.86	181
401431127	2011	6	10	18	V	5.8	0.4	4.36	179
401431127	2011	6	10	19	V	1.5	0.3	4.36	176
401431127	2011	6	10	20	V	1.9	0.3	4.86	175
401431127	2011	6	10	21	V	4.5	0.2	4.86	197
401431127	2011	6	10	22	V	1.4	0.3	3.86	190
401431127	2011	6	10	23	V	0.7	0.6	1.76	352
401431127	2011	6	10	24	V	2.2	0.4	1.76	260
401431127	2011	6	11	1	C	-999	0.2	0	0
401431127	2011	6	11	2	V	2.7	0.1	2.36	242
401431127	2011	6	11	3	V	4.4	0.1	1.76	1
401431127	2011	6	11	4	V	0.7	0.1	2.86	76
401431127	2011	6	11	5	C	-999	0.1	0	0
401431127	2011	6	11	6	V	8.4	0.1	3.86	11
401431127	2011	6	11	7	V	0.8	0.1	4.36	6
401431127	2011	6	11	8	V	1.4	0.1	2.36	1
401431127	2011	6	11	9	M	-999	0.1	2.36	999
401431127	2011	6	11	10	V	1.0	0.6	2.86	8
401431127	2011	6	11	11	M	-999	2.6	2.86	999
401431127	2011	6	11	12	V	2.6	4.8	1.76	43
401431127	2011	6	11	13	V	2.5	4.6	2.86	349
401431127	2011	6	11	14	V	3.1	7.4	2.36	2
401431127	2011	6	11	15	M	-999	3.8	1.76	999
401431127	2011	6	11	16	M	-999	1.3	1.76	999

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	11	17	V	2.3	0.9	1.76	252
401431127	2011	6	11	18	C	-999	2.7	0	0
401431127	2011	6	11	19	V	1.5	2.2	2.86	71
401431127	2011	6	11	20	V	4.6	0.5	6.46	49
401431127	2011	6	11	21	V	1.4	0.4	3.36	118
401431127	2011	6	11	22	V	1.0	1.2	3.36	140
401431127	2011	6	11	23	V	0.8	1.5	1.76	175
401431127	2011	6	11	24	V	2.2	0.8	4.36	120
401431127	2011	6	12	1	V	5.6	0.9	2.36	142
401431127	2011	6	12	2	V	2.6	0.9	4.86	298
401431127	2011	6	12	3	V	4.4	0.3	3.86	348
401431127	2011	6	12	4	V	18.8	0.1	2.36	206
401431127	2011	6	12	5	V	0.7	0.1	4.36	282
401431127	2011	6	12	6	V	8.4	0.3	2.86	244
401431127	2011	6	12	7	V	0.9	1.7	3.36	178
401431127	2011	6	12	8	V	1.3	0.4	2.86	20
401431127	2011	6	12	9	V	1.5	0.3	2.36	100
401431127	2011	6	12	10	V	1.0	0.3	3.36	154
401431127	2011	6	12	11	V	1.8	0.4	1.76	161
401431127	2011	6	12	12	V	2.2	0.3	3.86	150
401431127	2011	6	12	13	M	-999	0.3	3.36	999
401431127	2011	6	12	14	V	3.1	0.2	4.36	135
401431127	2011	6	12	15	V	2.0	0.2	6.46	181
401431127	2011	6	12	16	V	2.5	0.2	6.96	162
401431127	2011	6	12	17	V	2.1	0.3	5.96	149
401431127	2011	6	12	18	V	5.8	0.3	5.36	154
401431127	2011	6	12	19	V	1.5	0.3	3.86	144
401431127	2011	6	12	20	V	1.9	0.3	3.44	139
401431127	2011	6	12	21	V	1.4	0.3	3.22	139
401431127	2011	6	12	22	V	1.0	0.4	3.51	132
401431127	2011	6	12	23	V	0.7	0.5	3.46	134
401431127	2011	6	12	24	V	2.2	0.5	3.52	144
401431127	2011	6	13	1	V	5.5	0.5	3.98	156
401431127	2011	6	13	2	V	2.6	0.5	3.81	156
401431127	2011	6	13	3	V	4.3	0.5	2.89	163
401431127	2011	6	13	4	V	0.7	0.4	3.56	168
401431127	2011	6	13	5	V	0.6	0.4	3.88	169
401431127	2011	6	13	6	V	8.3	0.4	3.97	166
401431127	2011	6	13	7	V	0.8	0.5	3.88	168
401431127	2011	6	13	8	V	1.2	0.6	4.36	174
401431127	2011	6	13	9	V	1.3	0.5	6.11	179
401431127	2011	6	13	10	V	1.0	0.5	6.24	183
401431127	2011	6	13	11	V	1.6	0.5	6.86	187
401431127	2011	6	13	12	V	2.3	1.6	6.99	193
401431127	2011	6	13	13	V	2.5	0.9	8.23	193
401431127	2011	6	13	14	V	3.2	0.7	8.22	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	13	15	V	2.0	0.7	7.81	188
401431127	2011	6	13	16	V	2.5	0.4	7.57	186
401431127	2011	6	13	17	V	2.1	0.3	6.57	178
401431127	2011	6	13	18	V	5.8	0.4	6.01	172
401431127	2011	6	13	19	V	1.5	0.4	4.49	166
401431127	2011	6	13	20	V	1.9	0.3	4.31	157
401431127	2011	6	13	21	V	1.4	0.2	5.19	161
401431127	2011	6	13	22	V	1.0	0.3	5.31	162
401431127	2011	6	13	23	V	0.7	0.4	4.44	165
401431127	2011	6	13	24	V	2.2	0.6	4.83	167
401431127	2011	6	14	1	V	5.5	0.8	4.53	166
401431127	2011	6	14	2	V	2.6	0.7	3.51	169
401431127	2011	6	14	3	V	4.3	0.5	4.2	175
401431127	2011	6	14	4	V	0.8	0.4	3	182
401431127	2011	6	14	5	V	0.8	0.4	1.08	163
401431127	2011	6	14	6	V	8.4	0.6	3.42	181
401431127	2011	6	14	7	V	0.9	1.3	5.05	192
401431127	2011	6	14	8	V	1.7	2.2	5.5	198
401431127	2011	6	14	9	V	1.5	3.9	5.77	193
401431127	2011	6	14	10	V	1.0	2	5.28	183
401431127	2011	6	14	11	V	1.7	1.5	4.1	186
401431127	2011	6	14	12	V	2.9	0.9	6.41	203
401431127	2011	6	14	13	V	2.7	2.2	6.18	196
401431127	2011	6	14	14	V	3.1	0.8	6.21	189
401431127	2011	6	14	15	V	2.0	0.4	5.58	180
401431127	2011	6	14	16	V	2.5	0.4	3.18	168
401431127	2011	6	14	17	V	2.2	0.3	3.66	158
401431127	2011	6	14	18	V	5.8	0.3	3.27	162
401431127	2011	6	14	19	V	1.5	0.3	3.68	156
401431127	2011	6	14	20	V	1.9	0.2	3.76	167
401431127	2011	6	14	21	V	5.6	0.3	3.71	198
401431127	2011	6	14	22	V	6.3	0.1	4.7	215
401431127	2011	6	14	23	V	1.2	0.1	1.5	227
401431127	2011	6	14	24	V	2.3	0.1	1.11	323
401431127	2011	6	15	1	V	5.7	0.1	0.79	256
401431127	2011	6	15	2	V	22.5	0.2	1.45	211
401431127	2011	6	15	3	V	4.4	0.1	1.13	271
401431127	2011	6	15	4	V	0.8	0.1	1.08	326
401431127	2011	6	15	5	V	0.8	0.1	0.89	250
401431127	2011	6	15	6	V	8.6	0.1	0.69	234
401431127	2011	6	15	7	V	2.2	0.2	0.91	236
401431127	2011	6	15	8	V	1.8	0.1	1.48	15
401431127	2011	6	15	9	V	1.7	0.2	1.43	352
401431127	2011	6	15	10	V	1.0	0.5	2.61	360
401431127	2011	6	15	11	V	1.6	0.8	3.25	18
401431127	2011	6	15	12	V	2.4	0.4	3.41	26

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	15	13	V	2.6	0.2	2.35	45
401431127	2011	6	15	14	V	3.2	0.2	1.81	53
401431127	2011	6	15	15	V	2.1	0.2	2.1	77
401431127	2011	6	15	16	V	2.5	1.7	3.03	130
401431127	2011	6	15	17	V	2.2	4.4	3.08	116
401431127	2011	6	15	18	V	5.8	2	3	142
401431127	2011	6	15	19	V	1.5	0.4	3.18	116
401431127	2011	6	15	20	V	1.9	0.3	2.54	118
401431127	2011	6	15	21	V	1.7	0.2	0.53	93
401431127	2011	6	15	22	C	-999	0.2	0	0
401431127	2011	6	15	23	V	1.0	0.2	0.63	250
401431127	2011	6	15	24	V	2.4	0.1	0.79	258
401431127	2011	6	16	1	V	5.9	0.1	0.53	249
401431127	2011	6	16	2	V	2.8	0.1	0.8	238
401431127	2011	6	16	3	V	4.4	0.1	1.52	163
401431127	2011	6	16	4	V	17.8	0.1	2.36	210
401431127	2011	6	16	5	C	-999	0.2	0	0
401431127	2011	6	16	6	C	-999	0.2	0	0
401431127	2011	6	16	7	V	0.9	0.2	2.86	139
401431127	2011	6	16	8	V	1.2	0.5	4.36	107
401431127	2011	6	16	9	V	1.4	0.3	2.86	155
401431127	2011	6	16	10	V	0.9	0.2	5.96	169
401431127	2011	6	16	11	M	-999	0.2	999	999
401431127	2011	6	16	12	M	-999	0.2	999	999
401431127	2011	6	16	13	V	2.4	0.2	4.78	155
401431127	2011	6	16	14	V	3.0	0.2	4.92	109
401431127	2011	6	16	15	V	2.0	0.2	8.71	28
401431127	2011	6	16	16	V	2.5	0.4	7.48	81
401431127	2011	6	16	17	V	2.1	0.3	7.52	85
401431127	2011	6	16	18	V	5.8	0.8	8.15	125
401431127	2011	6	16	19	V	1.5	0.3	6.55	149
401431127	2011	6	16	20	V	1.9	1.1	4.41	154
401431127	2011	6	16	21	V	1.4	0.8	3.74	168
401431127	2011	6	16	22	V	1.0	0.4	2.69	158
401431127	2011	6	16	23	V	0.7	0.3	3.39	148
401431127	2011	6	16	24	V	2.2	0.4	2.84	161
401431127	2011	6	17	1	V	5.5	0.4	3.15	149
401431127	2011	6	17	2	V	2.7	0.3	3.37	19
401431127	2011	6	17	3	V	4.3	0.3	4.42	30
401431127	2011	6	17	4	V	0.8	0.5	3.56	103
401431127	2011	6	17	5	V	0.6	0.6	4.46	124
401431127	2011	6	17	6	V	8.3	0.8	4.58	147
401431127	2011	6	17	7	V	0.8	0.9	5.6	167
401431127	2011	6	17	8	V	1.2	0.8	6.58	172
401431127	2011	6	17	9	V	1.3	0.7	8.28	183
401431127	2011	6	17	10	V	1.0	0.4	7.67	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	17	11	V	1.6	0.4	5.48	183
401431127	2011	6	17	12	V	2.2	0.3	6.28	180
401431127	2011	6	17	13	V	2.4	0.3	6.58	174
401431127	2011	6	17	14	V	3.0	0.3	7.11	178
401431127	2011	6	17	15	V	2.0	0.3	7.42	178
401431127	2011	6	17	16	V	2.5	0.3	7.08	181
401431127	2011	6	17	17	V	2.1	0.3	7.23	178
401431127	2011	6	17	18	V	5.8	0.3	5.9	169
401431127	2011	6	17	19	V	1.5	0.3	4.54	159
401431127	2011	6	17	20	V	1.9	0.2	4.02	160
401431127	2011	6	17	21	V	1.4	0.2	3.71	162
401431127	2011	6	17	22	V	1.0	0.2	3.39	163
401431127	2011	6	17	23	V	0.7	0.2	2.49	152
401431127	2011	6	17	24	V	2.2	0.2	2.73	160
401431127	2011	6	18	1	V	5.6	0.3	2.16	166
401431127	2011	6	18	2	V	2.6	0.3	2.98	173
401431127	2011	6	18	3	V	4.3	0.5	2.78	175
401431127	2011	6	18	4	V	0.8	0.6	4.37	185
401431127	2011	6	18	5	V	0.8	0.6	5.85	187
401431127	2011	6	18	6	V	10.0	1.1	3.85	194
401431127	2011	6	18	7	V	5.7	0.8	2.76	203
401431127	2011	6	18	8	V	1.3	2.1	4.37	185
401431127	2011	6	18	9	V	1.4	0.6	5.6	189
401431127	2011	6	18	10	V	1.4	0.7	6.21	198
401431127	2011	6	18	11	V	2.4	1	4.99	200
401431127	2011	6	18	12	V	2.9	1.2	4.43	197
401431127	2011	6	18	13	V	2.5	0.6	4.78	182
401431127	2011	6	18	14	V	3.2	0.5	5.21	192
401431127	2011	6	18	15	V	2.0	0.4	4.92	178
401431127	2011	6	18	16	V	2.5	0.4	5.58	167
401431127	2011	6	18	17	V	2.1	0.4	5.36	161
401431127	2011	6	18	18	V	5.8	0.4	5.87	169
401431127	2011	6	18	19	V	1.5	0.3	5.26	157
401431127	2011	6	18	20	V	1.9	0.3	3.86	158
401431127	2011	6	18	21	V	1.4	0.3	4.46	162
401431127	2011	6	18	22	V	1.0	0.2	2.54	163
401431127	2011	6	18	23	V	0.8	0.2	1.67	184
401431127	2011	6	18	24	V	2.4	1.2	0.77	268
401431127	2011	6	19	1	V	5.8	8.1	0.62	283
401431127	2011	6	19	2	V	2.8	1.8	0.92	314
401431127	2011	6	19	3	V	24.4	0.8	1.84	206
401431127	2011	6	19	4	V	1.1	0.6	0.57	241
401431127	2011	6	19	5	V	0.9	0.4	0.63	260
401431127	2011	6	19	6	V	8.5	0.2	1.14	154
401431127	2011	6	19	7	V	1.0	0.2	2.33	154
401431127	2011	6	19	8	V	1.3	0.3	3.47	158

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	19	9	V	1.4	0.3	4.92	169
401431127	2011	6	19	10	V	1.0	0.3	4.36	168
401431127	2011	6	19	11	V	1.5	0.3	6.6	170
401431127	2011	6	19	12	V	2.2	0.3	7.09	172
401431127	2011	6	19	13	V	2.4	0.3	6.62	166
401431127	2011	6	19	14	V	3.0	0.3	7.3	174
401431127	2011	6	19	15	V	2.0	0.3	7.18	171
401431127	2011	6	19	16	V	2.5	0.2	7.64	174
401431127	2011	6	19	17	V	2.1	0.2	7.77	184
401431127	2011	6	19	18	V	5.8	0.2	5.92	179
401431127	2011	6	19	19	V	1.5	0.3	5.33	171
401431127	2011	6	19	20	V	1.9	0.2	5.43	171
401431127	2011	6	19	21	V	1.4	0.2	4.7	164
401431127	2011	6	19	22	V	1.0	0.3	6.09	171
401431127	2011	6	19	23	V	0.7	0.3	6.53	170
401431127	2011	6	19	24	V	2.2	0.7	6.01	171
401431127	2011	6	20	1	V	5.5	0.9	8.13	181
401431127	2011	6	20	2	V	2.7	0.9	8.11	182
401431127	2011	6	20	3	V	4.4	0.6	7.18	181
401431127	2011	6	20	4	V	0.8	0.5	7.94	185
401431127	2011	6	20	5	V	0.8	0.4	7.79	187
401431127	2011	6	20	6	V	8.4	0.5	8.15	182
401431127	2011	6	20	7	V	0.8	0.3	7.77	182
401431127	2011	6	20	8	V	1.2	0.3	8.23	186
401431127	2011	6	20	9	M	-999	0.3	9.08	188
401431127	2011	6	20	10	M	-999	0.4	9.1	187
401431127	2011	6	20	11	M	-999	0.4	9.09	193
401431127	2011	6	20	12	M	-999	0.3	9.44	189
401431127	2011	6	20	13	M	-999	0.3	9.12	189
401431127	2011	6	20	14	M	-999	0.4	8.95	186
401431127	2011	6	20	15	M	-999	0.3	9	189
401431127	2011	6	20	16	M	-999	0.3	7.62	180
401431127	2011	6	20	17	M	-999	0.2	7.76	177
401431127	2011	6	20	18	M	-999	0.2	7.79	180
401431127	2011	6	20	19	M	-999	0.2	7.31	174
401431127	2011	6	20	20	V	1.9	0.2	7.6	173
401431127	2011	6	20	21	V	1.4	0.2	6.47	171
401431127	2011	6	20	22	V	9.9	0.4	4.31	203
401431127	2011	6	20	23	V	12.5	0.1	3.47	205
401431127	2011	6	20	24	V	4.4	0.1	1.45	220
401431127	2011	6	21	1	V	5.7	0.1	1.14	228
401431127	2011	6	21	2	V	2.7	0.1	1.54	237
401431127	2011	6	21	3	V	14.7	0	1.74	215
401431127	2011	6	21	4	V	1.1	0	1.23	224
401431127	2011	6	21	5	V	0.7	0	1.33	260
401431127	2011	6	21	6	V	8.4	0	2.54	255

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	21	7	V	1.1	0	2.37	231
401431127	2011	6	21	8	V	1.4	0.1	2.95	232
401431127	2011	6	21	9	V	1.4	0.1	4.07	239
401431127	2011	6	21	10	V	1.0	0.2	4.54	232
401431127	2011	6	21	11	V	1.5	0.1	5.29	247
401431127	2011	6	21	12	V	2.2	0.1	4.83	248
401431127	2011	6	21	13	V	2.4	0.1	4.39	252
401431127	2011	6	21	14	V	3.1	0.1	3.71	268
401431127	2011	6	21	15	V	2.0	0.1	3.34	253
401431127	2011	6	21	16	V	2.5	0.1	3.08	267
401431127	2011	6	21	17	V	2.2	0.2	3.18	258
401431127	2011	6	21	18	V	5.8	0.2	2.56	244
401431127	2011	6	21	19	V	2.1	0.2	1.82	221
401431127	2011	6	21	20	V	2.0	0.2	0.82	235
401431127	2011	6	21	21	V	1.4	0.2	1.28	260
401431127	2011	6	21	22	C	-999	0.1	0	0
401431127	2011	6	21	23	V	0.9	0.1	0.74	301
401431127	2011	6	21	24	V	2.4	0.1	0.86	237
401431127	2011	6	22	1	V	5.7	0.2	0.75	245
401431127	2011	6	22	2	V	2.8	0.1	0.99	248
401431127	2011	6	22	3	V	4.6	0.1	0.74	340
401431127	2011	6	22	4	V	1.0	0.1	0.74	254
401431127	2011	6	22	5	V	1.0	0.1	0.6	291
401431127	2011	6	22	6	V	9.2	0.1	0.55	229
401431127	2011	6	22	7	V	8.5	0.2	1.09	204
401431127	2011	6	22	8	V	3.2	0.2	0.87	199
401431127	2011	6	22	9	V	2.1	0.1	0.69	233
401431127	2011	6	22	10	V	1.1	0.1	1.62	253
401431127	2011	6	22	11	V	1.7	0.5	1.98	255
401431127	2011	6	22	12	V	2.3	0.8	2.33	271
401431127	2011	6	22	13	V	2.5	-999	2.62	277
401431127	2011	6	22	14	V	3.1	0.3	2.78	259
401431127	2011	6	22	15	V	2.0	0.8	3.08	263
401431127	2011	6	22	16	V	2.5	0.3	2.54	267
401431127	2011	6	22	17	V	2.2	0.5	2.49	273
401431127	2011	6	22	18	V	5.8	0.6	2.33	245
401431127	2011	6	22	19	V	1.9	0.4	1.86	224
401431127	2011	6	22	20	V	8.7	0.8	1.26	217
401431127	2011	6	22	21	V	1.6	0.7	0.69	249
401431127	2011	6	22	22	V	1.2	0.6	0.72	236
401431127	2011	6	22	23	V	0.8	0.2	1.04	297
401431127	2011	6	22	24	V	2.4	0.1	0.94	276
401431127	2011	6	23	1	V	5.6	0.1	1.09	267
401431127	2011	6	23	2	V	2.9	0.1	0.67	263
401431127	2011	6	23	3	C	-999	0.1	0	0
401431127	2011	6	23	4	V	1.0	0.1	0.75	233

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	23	5	V	0.9	0.1	0.62	262
401431127	2011	6	23	6	C	-999	0.1	0	0
401431127	2011	6	23	7	V	2.5	0.2	0.57	210
401431127	2011	6	23	8	V	4.9	0.3	1.21	199
401431127	2011	6	23	9	V	1.5	0.6	2.11	132
401431127	2011	6	23	10	V	1.5	-999	1.42	167
401431127	2011	6	23	11	V	2.2	-999	1.44	228
401431127	2011	6	23	12	V	2.6	1.8	1.57	228
401431127	2011	6	23	13	V	2.7	1.5	1.59	202
401431127	2011	6	23	14	V	3.2	1.3	1.6	223
401431127	2011	6	23	15	V	2.2	0.9	1.54	340
401431127	2011	6	23	16	V	2.6	0.6	1.69	358
401431127	2011	6	23	17	V	2.5	0.4	3.29	43
401431127	2011	6	23	18	V	6.2	0.5	4.58	42
401431127	2011	6	23	19	V	2.1	1.2	4.73	44
401431127	2011	6	23	20	V	1.9	1	3.05	80
401431127	2011	6	23	21	V	1.4	0.8	2.49	94
401431127	2011	6	23	22	V	1.1	0.5	1.08	67
401431127	2011	6	23	23	V	0.7	0.4	2.47	109
401431127	2011	6	23	24	V	3.9	0.3	1.43	40
401431127	2011	6	24	1	V	5.6	0.2	2.52	360
401431127	2011	6	24	2	V	2.7	0.1	1.52	11
401431127	2011	6	24	3	V	4.4	0.1	1.33	32
401431127	2011	6	24	4	V	0.9	0.2	1.2	149
401431127	2011	6	24	5	C	-999	0.2	0	0
401431127	2011	6	24	6	V	8.6	0.2	0.63	251
401431127	2011	6	24	7	V	8.7	0.2	1.59	203
401431127	2011	6	24	8	V	1.3	1	3.56	181
401431127	2011	6	24	9	V	1.4	1.3	4.24	185
401431127	2011	6	24	10	V	1.1	1.6	4.58	188
401431127	2011	6	24	11	V	1.6	1.4	5.09	185
401431127	2011	6	24	12	V	2.3	0.8	4.17	179
401431127	2011	6	24	13	V	2.4	0.8	5.21	180
401431127	2011	6	24	14	V	3.0	0.6	6.07	177
401431127	2011	6	24	15	V	2.0	0.4	6.24	178
401431127	2011	6	24	16	V	2.5	0.4	6.14	169
401431127	2011	6	24	17	V	2.1	0.3	6.35	176
401431127	2011	6	24	18	V	5.8	0.3	6.69	174
401431127	2011	6	24	19	V	1.5	0.3	4.25	177
401431127	2011	6	24	20	V	1.9	0.2	2.66	180
401431127	2011	6	24	21	V	1.4	0.2	3.95	180
401431127	2011	6	24	22	V	1.0	0.2	4.03	178
401431127	2011	6	24	23	V	0.7	0.4	3.81	170
401431127	2011	6	24	24	V	2.2	0.5	2.25	159
401431127	2011	6	25	1	V	5.5	0.5	3.08	163
401431127	2011	6	25	2	V	2.7	0.4	2.4	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	25	3	V	4.3	0.2	2.74	157
401431127	2011	6	25	4	V	0.7	0.3	3.17	160
401431127	2011	6	25	5	V	0.6	0.4	5.05	173
401431127	2011	6	25	6	V	8.3	0.3	4.24	174
401431127	2011	6	25	7	V	0.8	0.4	5.31	174
401431127	2011	6	25	8	V	1.2	0.5	6.79	181
401431127	2011	6	25	9	V	1.3	0.5	7.96	185
401431127	2011	6	25	10	V	0.9	0.5	8.67	184
401431127	2011	6	25	11	V	1.5	0.4	8.08	184
401431127	2011	6	25	12	V	2.2	0.4	8.54	184
401431127	2011	6	25	13	V	2.4	0.3	7.99	185
401431127	2011	6	25	14	V	3.1	0.2	7.71	186
401431127	2011	6	25	15	V	2.0	0.2	7.18	181
401431127	2011	6	25	16	V	2.6	0.9	6.84	193
401431127	2011	6	25	17	V	2.3	0.7	7.59	196
401431127	2011	6	25	18	V	6.0	0.4	6.69	195
401431127	2011	6	25	19	V	1.5	0.2	5.7	183
401431127	2011	6	25	20	V	1.9	0.2	5.01	173
401431127	2011	6	25	21	V	1.4	0.1	4.53	167
401431127	2011	6	25	22	V	1.0	0.1	4.65	164
401431127	2011	6	25	23	V	0.7	0.2	4.27	165
401431127	2011	6	25	24	V	2.2	0.3	4.56	168
401431127	2011	6	26	1	V	5.5	0.4	3.93	170
401431127	2011	6	26	2	V	2.6	0.5	3.47	167
401431127	2011	6	26	3	V	4.3	0.7	2.81	168
401431127	2011	6	26	4	V	0.7	0.7	2.95	168
401431127	2011	6	26	5	V	0.6	0.6	3.34	168
401431127	2011	6	26	6	V	8.3	0.4	3.32	167
401431127	2011	6	26	7	V	0.8	0.3	4.97	172
401431127	2011	6	26	8	V	1.2	0.3	6.52	176
401431127	2011	6	26	9	V	1.3	0.3	7.28	181
401431127	2011	6	26	10	V	0.9	0.3	7.83	183
401431127	2011	6	26	11	V	1.5	0.3	7.71	179
401431127	2011	6	26	12	V	2.2	0.3	7.32	175
401431127	2011	6	26	13	V	2.4	0.3	7.59	175
401431127	2011	6	26	14	V	3.0	0.3	8.33	175
401431127	2011	6	26	15	V	2.0	0.3	7.93	179
401431127	2011	6	26	16	V	2.5	0.2	7.74	182
401431127	2011	6	26	17	V	2.2	0.6	7.79	193
401431127	2011	6	26	18	V	5.8	0.4	7.5	189
401431127	2011	6	26	19	V	1.5	0.2	6.24	186
401431127	2011	6	26	20	V	1.9	0.2	4.63	176
401431127	2011	6	26	21	V	1.4	0.2	4.65	169
401431127	2011	6	26	22	V	1.0	0.2	6.09	170
401431127	2011	6	26	23	V	0.7	0.2	7.2	176
401431127	2011	6	26	24	V	2.2	0.3	7.57	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	27	1	V	5.5	0.2	6.55	179
401431127	2011	6	27	2	V	2.8	0.3	6.67	187
401431127	2011	6	27	3	V	4.5	0.3	6.55	186
401431127	2011	6	27	4	V	1.4	0.3	6.99	191
401431127	2011	6	27	5	V	1.5	0.5	6.7	192
401431127	2011	6	27	6	V	9.5	1.8	6.06	193
401431127	2011	6	27	7	V	0.9	3.8	6.19	192
401431127	2011	6	27	8	V	2.1	6.5	6.4	204
401431127	2011	6	27	9	V	3.2	3.5	4.24	206
401431127	2011	6	27	10	V	1.1	1.9	5.21	190
401431127	2011	6	27	11	V	1.6	0.6	5.73	189
401431127	2011	6	27	12	V	2.4	0.4	6.02	192
401431127	2011	6	27	13	V	2.8	0.7	6.09	197
401431127	2011	6	27	14	V	3.7	0.7	5.55	201
401431127	2011	6	27	15	V	2.9	1.6	4.83	207
401431127	2011	6	27	16	V	2.5	0.5	3.37	253
401431127	2011	6	27	17	V	2.2	0.4	2.47	271
401431127	2011	6	27	18	V	5.8	0.4	2.1	301
401431127	2011	6	27	19	V	1.5	0.5	7.3	9
401431127	2011	6	27	20	V	1.9	0.9	6.82	12
401431127	2011	6	27	21	V	1.4	0.4	6.26	14
401431127	2011	6	27	22	V	1.0	0.2	3.85	8
401431127	2011	6	27	23	V	0.7	0.3	4.12	13
401431127	2011	6	27	24	V	2.2	0.4	4.73	18
401431127	2011	6	28	1	V	5.5	0.8	5.67	26
401431127	2011	6	28	2	V	2.6	1.1	4.87	28
401431127	2011	6	28	3	V	4.4	0.8	3.3	18
401431127	2011	6	28	4	V	0.8	0.5	2.74	10
401431127	2011	6	28	5	V	0.7	0.4	3.08	10
401431127	2011	6	28	6	V	8.4	0.3	3.03	7
401431127	2011	6	28	7	V	0.8	0.4	4.36	21
401431127	2011	6	28	8	V	1.2	1.3	3.39	9
401431127	2011	6	28	9	V	1.4	1	2.64	290
401431127	2011	6	28	10	V	1.8	0.4	3.42	35
401431127	2011	6	28	11	V	1.5	0.3	5.79	17
401431127	2011	6	28	12	V	2.2	2.9	7.26	28
401431127	2011	6	28	13	V	2.4	1	3.9	17
401431127	2011	6	28	14	V	3.4	0.5	2.35	27
401431127	2011	6	28	15	V	2.3	1.8	2.2	71
401431127	2011	6	28	16	V	2.5	2.2	2.98	99
401431127	2011	6	28	17	V	2.2	0.5	3.29	96
401431127	2011	6	28	18	V	5.8	0.3	4	147
401431127	2011	6	28	19	V	1.5	0.4	4.03	123
401431127	2011	6	28	20	V	1.9	0.4	2.88	109
401431127	2011	6	28	21	V	1.5	0.3	1.28	105
401431127	2011	6	28	22	V	1.0	0.2	2.28	132

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	28	23	V	0.7	0.2	2.44	168
401431127	2011	6	28	24	V	2.2	0.3	1.98	161
401431127	2011	6	29	1	V	5.6	0.2	2.2	164
401431127	2011	6	29	2	V	2.7	0.2	2.25	148
401431127	2011	6	29	3	V	4.4	0.2	1.93	167
401431127	2011	6	29	4	V	0.8	0.1	2.35	177
401431127	2011	6	29	5	V	0.6	0.1	3.13	156
401431127	2011	6	29	6	V	8.3	0.1	3.13	169
401431127	2011	6	29	7	V	0.9	0.1	3.73	169
401431127	2011	6	29	8	V	1.3	0.2	3.54	165
401431127	2011	6	29	9	V	1.4	0.2	3.85	167
401431127	2011	6	29	10	V	1.0	0.3	4.7	165
401431127	2011	6	29	11	V	1.5	0.3	5.39	173
401431127	2011	6	29	12	V	2.2	0.3	4.77	170
401431127	2011	6	29	13	V	2.4	0.4	4.66	168
401431127	2011	6	29	14	V	3.1	0.4	4.24	160
401431127	2011	6	29	15	V	2.0	-999	3.93	142
401431127	2011	6	29	16	V	2.5	-999	3.59	173
401431127	2011	6	29	17	V	2.3	-999	4.34	189
401431127	2011	6	29	18	V	6.0	-999	3.85	192
401431127	2011	6	29	19	V	1.5	-999	3.81	173
401431127	2011	6	29	20	V	1.9	-999	3.22	169
401431127	2011	6	29	21	V	1.4	-999	2.76	164
401431127	2011	6	29	22	V	1.0	-999	3.24	171
401431127	2011	6	29	23	V	0.7	-999	2.42	176
401431127	2011	6	29	24	V	2.3	-999	1.14	165
401431127	2011	6	30	1	V	5.8	-999	0.69	96
401431127	2011	6	30	2	C	-999	-999	0	0
401431127	2011	6	30	3	C	-999	-999	0	0
401431127	2011	6	30	4	V	7.6	-999	0.58	214
401431127	2011	6	30	5	V	0.8	-999	1.16	170
401431127	2011	6	30	6	V	8.4	-999	1.94	171
401431127	2011	6	30	7	V	0.9	-999	2.55	166
401431127	2011	6	30	8	V	1.3	-999	3.76	168
401431127	2011	6	30	9	V	1.4	0.7	4.2	174
401431127	2011	6	30	10	V	1.2	0.9	4.97	192
401431127	2011	6	30	11	V	2.0	2	5.51	197
401431127	2011	6	30	12	V	2.4	1.6	6.06	192
401431127	2011	6	30	13	V	2.5	1.1	5.63	184
401431127	2011	6	30	14	V	3.1	0.5	5.31	183
401431127	2011	6	30	15	V	2.1	0.4	5.16	183
401431127	2011	6	30	16	V	2.6	0.4	4.87	189
401431127	2011	6	30	17	V	2.2	0.3	4.97	185
401431127	2011	6	30	18	V	5.8	0.3	6.24	177
401431127	2011	6	30	19	V	1.5	0.3	5.41	180
401431127	2011	6	30	20	V	4.0	0.3	2.35	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	6	30	21	V	1.4	0.3	2.33	160
401431127	2011	6	30	22	V	1.0	0.2	3.13	168
401431127	2011	6	30	23	V	0.7	0.1	3.75	169
401431127	2011	6	30	24	V	2.2	0.1	3.54	175
401431127	2011	7	1	1	V	5.5	0.3	2.62	180
401431127	2011	7	1	2	V	2.7	0.3	2.01	155
401431127	2011	7	1	3	V	4.4	0.3	2.18	165
401431127	2011	7	1	4	V	0.8	0.3	1.48	181
401431127	2011	7	1	5	V	0.7	0.2	1.37	184
401431127	2011	7	1	6	V	8.4	0.2	1.4	153
401431127	2011	7	1	7	V	1.0	0.3	2.13	180
401431127	2011	7	1	8	V	1.3	0.3	3.44	183
401431127	2011	7	1	9	V	1.5	1	4.49	189
401431127	2011	7	1	10	V	1.1	2.2	4.61	189
401431127	2011	7	1	11	V	1.8	3.5	4.83	193
401431127	2011	7	1	12	V	2.8	2	4.61	206
401431127	2011	7	1	13	V	2.5	1.5	5.04	188
401431127	2011	7	1	14	V	3.1	0.8	5.07	179
401431127	2011	7	1	15	V	2.2	0.7	4.65	196
401431127	2011	7	1	16	V	2.6	0.4	4.07	191
401431127	2011	7	1	17	V	2.3	0.4	3.47	185
401431127	2011	7	1	18	V	5.8	0.4	4.02	157
401431127	2011	7	1	19	V	1.5	0.7	3.66	151
401431127	2011	7	1	20	V	1.9	0.8	2.69	142
401431127	2011	7	1	21	V	1.4	0.8	2.11	147
401431127	2011	7	1	22	V	1.1	0.7	2.13	191
401431127	2011	7	1	23	V	7.7	0.6	0.7	202
401431127	2011	7	1	24	C	-999	0.4	0	0
401431127	2011	7	2	1	V	5.8	0.3	0.8	178
401431127	2011	7	2	2	C	-999	0.3	0	0
401431127	2011	7	2	3	V	4.6	0.3	0.75	182
401431127	2011	7	2	4	V	3.1	0.2	0.65	222
401431127	2011	7	2	5	V	1.1	0.2	0.52	254
401431127	2011	7	2	6	V	8.6	0.2	0.67	291
401431127	2011	7	2	7	V	3.9	3.6	0.7	222
401431127	2011	7	2	8	V	5.6	1.6	1.14	210
401431127	2011	7	2	9	V	2.1	1.9	2.11	188
401431127	2011	7	2	10	V	1.4	1.4	2.96	224
401431127	2011	7	2	11	V	1.7	0.9	2.83	236
401431127	2011	7	2	12	V	2.4	0.8	2.69	232
401431127	2011	7	2	13	V	2.5	2.3	2.44	171
401431127	2011	7	2	14	V	3.1	1.4	2.61	169
401431127	2011	7	2	15	V	2.2	0.5	2.39	195
401431127	2011	7	2	16	V	2.5	0.4	2.66	143
401431127	2011	7	2	17	V	2.1	0.5	3.78	107
401431127	2011	7	2	18	V	5.8	0.5	4.41	104

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	2	19	V	1.5	0.4	4.34	112
401431127	2011	7	2	20	V	1.9	0.3	2.59	113
401431127	2011	7	2	21	V	1.5	0.4	0.87	99
401431127	2011	7	2	22	V	1.2	0.7	0.77	31
401431127	2011	7	2	23	V	1.1	0.8	0.55	105
401431127	2011	7	2	24	C	-999	0.5	0	0
401431127	2011	7	3	1	V	5.9	0.4	0.52	164
401431127	2011	7	3	2	V	10.2	0.4	0.72	203
401431127	2011	7	3	3	V	18.8	0.3	1.37	204
401431127	2011	7	3	4	V	12.6	0.3	0.96	213
401431127	2011	7	3	5	C	-999	0.2	0	0
401431127	2011	7	3	6	V	8.7	0.2	0.58	237
401431127	2011	7	3	7	V	7.2	2.2	1.09	200
401431127	2011	7	3	8	V	2.2	8.5	2.4	190
401431127	2011	7	3	9	V	2.1	5.9	2.15	187
401431127	2011	7	3	10	V	1.4	1.2	2.08	200
401431127	2011	7	3	11	V	2.0	2.6	2.95	216
401431127	2011	7	3	12	V	2.6	2.8	3.17	212
401431127	2011	7	3	13	V	2.5	1.7	2.79	182
401431127	2011	7	3	14	V	3.1	0.4	4	181
401431127	2011	7	3	15	M	-999	0.4	3.85	168
401431127	2011	7	3	16	M	-999	0.4	3.86	180
401431127	2011	7	3	17	M	-999	0.4	3.58	168
401431127	2011	7	3	18	M	-999	0.5	3.22	168
401431127	2011	7	3	19	M	-999	0.5	2.71	143
401431127	2011	7	3	20	V	1.9	0.1	6.04	17
401431127	2011	7	3	21	V	1.4	0.2	5.82	26
401431127	2011	7	3	22	V	1.0	0.2	4.58	23
401431127	2011	7	3	23	V	1.3	0.2	4.94	39
401431127	2011	7	3	24	V	2.2	0.4	4.05	72
401431127	2011	7	4	1	V	5.5	1.7	3.59	123
401431127	2011	7	4	2	V	2.7	0.5	3.86	94
401431127	2011	7	4	3	V	4.4	1.4	3.83	114
401431127	2011	7	4	4	V	0.7	2.6	2.93	141
401431127	2011	7	4	5	V	0.7	0.7	2.88	123
401431127	2011	7	4	6	V	8.4	0.3	3.44	127
401431127	2011	7	4	7	M	-999	0.3	2.62	144
401431127	2011	7	4	8	M	-999	0.4	2.03	152
401431127	2011	7	4	9	M	-999	0.4	2.88	139
401431127	2011	7	4	10	M	-999	0.7	3.23	151
401431127	2011	7	4	11	M	-999	1	3.83	164
401431127	2011	7	4	12	M	-999	0.8	3.88	153
401431127	2011	7	4	13	M	-999	0.6	3.93	157
401431127	2011	7	4	14	M	-999	0.5	4.83	133
401431127	2011	7	4	15	M	-999	0.4	4.36	140
401431127	2011	7	4	16	M	-999	0.4	3.64	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	4	17	M	-999	0.4	3.29	124
401431127	2011	7	4	18	M	-999	0.4	3.95	112
401431127	2011	7	4	19	M	-999	0.4	4.07	123
401431127	2011	7	4	20	M	-999	0.5	3.01	158
401431127	2011	7	4	21	V	1.4	0.7	2.52	160
401431127	2011	7	4	22	V	1.0	0.9	2.62	173
401431127	2011	7	4	23	V	0.7	0.8	2.73	161
401431127	2011	7	4	24	V	2.3	0.4	1.89	172
401431127	2011	7	5	1	V	11.0	0.3	0.74	200
401431127	2011	7	5	2	V	2.7	0.2	1.33	175
401431127	2011	7	5	3	V	4.4	0.3	1.94	169
401431127	2011	7	5	4	V	3.1	0.7	1.08	197
401431127	2011	7	5	5	V	9.9	0.6	0.65	209
401431127	2011	7	5	6	V	8.5	0.4	1.21	174
401431127	2011	7	5	7	V	1.0	0.5	2.27	172
401431127	2011	7	5	8	V	1.3	0.8	2.9	167
401431127	2011	7	5	9	V	1.5	1.4	2.66	175
401431127	2011	7	5	10	V	2.4	5	2.73	215
401431127	2011	7	5	11	V	2.0	4.2	1.96	193
401431127	2011	7	5	12	V	2.5	3.4	1.99	203
401431127	2011	7	5	13	V	2.6	1.7	1.86	170
401431127	2011	7	5	14	V	3.1	0.9	2.81	129
401431127	2011	7	5	15	V	2.1	0.7	2.66	74
401431127	2011	7	5	16	V	2.6	0.4	2.28	23
401431127	2011	7	5	17	V	2.3	0.4	2.42	25
401431127	2011	7	5	18	V	5.8	0.5	2.57	92
401431127	2011	7	5	19	V	1.5	0.9	2.93	117
401431127	2011	7	5	20	V	1.9	0.5	1.59	80
401431127	2011	7	5	21	V	1.5	0.5	0.79	12
401431127	2011	7	5	22	V	1.2	0.6	0.74	305
401431127	2011	7	5	23	V	0.9	0.9	0.77	242
401431127	2011	7	5	24	V	2.5	0.8	0.67	243
401431127	2011	7	6	1	V	16.2	0.5	0.97	214
401431127	2011	7	6	2	V	3.0	0.5	0.75	229
401431127	2011	7	6	3	V	4.6	0.4	0.62	326
401431127	2011	7	6	4	V	8.5	0.3	0.84	215
401431127	2011	7	6	5	V	9.2	0.3	0.92	215
401431127	2011	7	6	6	V	8.5	0.4	0.94	180
401431127	2011	7	6	7	V	1.6	0.6	0.92	113
401431127	2011	7	6	8	V	3.6	0.7	1.89	53
401431127	2011	7	6	9	V	1.9	1	2.1	28
401431127	2011	7	6	10	V	0.9	0.6	5.43	14
401431127	2011	7	6	11	V	2.6	-999	6.36	42
401431127	2011	7	6	12	V	2.7	-999	6.77	53
401431127	2011	7	6	13	V	2.6	-999	5.26	63
401431127	2011	7	6	14	V	3.1	0.6	4.22	81

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	6	15	V	2.1	0.4	3.64	68
401431127	2011	7	6	16	V	3.0	0.3	4.54	45
401431127	2011	7	6	17	V	2.2	0.9	3.68	96
401431127	2011	7	6	18	V	5.8	0.8	3.98	118
401431127	2011	7	6	19	V	1.5	1.7	4.12	87
401431127	2011	7	6	20	V	1.9	2.3	3.27	73
401431127	2011	7	6	21	V	1.4	1.3	2.91	84
401431127	2011	7	6	22	V	1.0	0.4	2.2	74
401431127	2011	7	6	23	V	0.7	0.2	2.88	61
401431127	2011	7	6	24	V	2.2	0.2	3.01	90
401431127	2011	7	7	1	V	5.6	0.2	2.67	106
401431127	2011	7	7	2	V	2.7	0.2	1.67	143
401431127	2011	7	7	3	V	4.5	0.2	1.16	161
401431127	2011	7	7	4	V	8.0	0.1	0.92	216
401431127	2011	7	7	5	V	1.3	0.1	0.52	231
401431127	2011	7	7	6	V	14.0	0.2	0.91	200
401431127	2011	7	7	7	V	1.0	0.6	2.05	174
401431127	2011	7	7	8	V	1.3	3.1	2.67	172
401431127	2011	7	7	9	V	1.8	2.3	3.59	191
401431127	2011	7	7	10	V	1.1	4.8	3.35	181
401431127	2011	7	7	11	V	1.7	4.5	4.83	189
401431127	2011	7	7	12	V	2.6	2.7	4.87	216
401431127	2011	7	7	13	V	2.4	0.5	4.05	244
401431127	2011	7	7	14	V	3.1	0.4	2.76	276
401431127	2011	7	7	15	V	2.1	1.2	1.96	319
401431127	2011	7	7	16	V	2.5	1.3	2.44	315
401431127	2011	7	7	17	V	2.2	0.8	2.69	346
401431127	2011	7	7	18	V	5.8	0.5	1.98	348
401431127	2011	7	7	19	V	1.5	0.4	2.96	5
401431127	2011	7	7	20	V	1.9	0.4	4.27	16
401431127	2011	7	7	21	V	1.4	0.3	4.85	21
401431127	2011	7	7	22	V	1.0	0.3	4.44	36
401431127	2011	7	7	23	V	0.8	0.2	3.71	57
401431127	2011	7	7	24	V	4.8	0.7	4.48	43
401431127	2011	7	8	1	V	10.1	0.5	3.56	49
401431127	2011	7	8	2	V	7.1	0.2	3.32	45
401431127	2011	7	8	3	V	4.4	0.2	2.11	28
401431127	2011	7	8	4	V	0.8	0.2	1.91	10
401431127	2011	7	8	5	V	0.7	0.1	1.91	357
401431127	2011	7	8	6	V	8.4	0.1	2.39	12
401431127	2011	7	8	7	V	0.8	0.2	3.08	20
401431127	2011	7	8	8	V	1.3	0.3	3.51	29
401431127	2011	7	8	9	V	1.4	0.8	3.81	21
401431127	2011	7	8	10	V	1.0	0.7	3.61	22
401431127	2011	7	8	11	V	1.7	0.7	3.75	29
401431127	2011	7	8	12	V	2.3	0.7	3.1	10

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	8	13	V	2.4	0.6	3.46	16
401431127	2011	7	8	14	V	3.5	0.3	3.37	34
401431127	2011	7	8	15	V	2.1	0.4	2.86	11
401431127	2011	7	8	16	V	3.2	2	4.03	48
401431127	2011	7	8	17	V	2.6	3.9	3.74	37
401431127	2011	7	8	18	V	5.8	1.8	4.24	67
401431127	2011	7	8	19	V	1.5	0.5	4.29	72
401431127	2011	7	8	20	V	1.9	0.4	3.07	58
401431127	2011	7	8	21	V	1.4	0.2	3.64	60
401431127	2011	7	8	22	V	1.0	0.1	4.07	59
401431127	2011	7	8	23	V	0.7	0.1	3.03	71
401431127	2011	7	8	24	V	2.2	0.2	3.22	77
401431127	2011	7	9	1	V	5.6	0.2	3.4	90
401431127	2011	7	9	2	V	2.7	0.3	3.18	92
401431127	2011	7	9	3	V	4.3	0.2	2.93	102
401431127	2011	7	9	4	V	0.7	0.2	2.62	116
401431127	2011	7	9	5	V	0.7	0.1	2.08	101
401431127	2011	7	9	6	V	8.4	0.2	2.08	106
401431127	2011	7	9	7	V	0.9	0.3	3.37	126
401431127	2011	7	9	8	V	1.2	0.4	4.2	140
401431127	2011	7	9	9	V	1.4	0.4	4.05	142
401431127	2011	7	9	10	V	1.0	0.4	4.17	141
401431127	2011	7	9	11	V	1.6	0.5	4.42	142
401431127	2011	7	9	12	V	2.2	0.5	3.95	145
401431127	2011	7	9	13	V	2.4	0.6	5.02	165
401431127	2011	7	9	14	V	3.0	0.6	4.78	161
401431127	2011	7	9	15	V	2.0	0.5	4.92	164
401431127	2011	7	9	16	V	2.5	0.5	5.11	163
401431127	2011	7	9	17	V	2.1	0.5	4.15	166
401431127	2011	7	9	18	V	5.8	0.4	4.17	169
401431127	2011	7	9	19	V	1.5	0.4	3.74	152
401431127	2011	7	9	20	V	1.9	0.4	3.93	155
401431127	2011	7	9	21	V	1.4	0.3	4.6	182
401431127	2011	7	9	22	V	1.0	0.4	4.7	185
401431127	2011	7	9	23	V	0.9	0.4	3.9	188
401431127	2011	7	9	24	V	2.4	0.3	3.83	188
401431127	2011	7	10	1	V	5.8	1.4	2.91	191
401431127	2011	7	10	2	V	2.7	1.2	2.27	189
401431127	2011	7	10	3	V	18.9	2.2	1.33	204
401431127	2011	7	10	4	V	1.2	0.7	1.82	195
401431127	2011	7	10	5	V	10.2	0.7	1.91	202
401431127	2011	7	10	6	V	20.8	0.8	1.67	203
401431127	2011	7	10	7	V	9.8	5.4	1.74	209
401431127	2011	7	10	8	V	2.4	5.5	3.76	198
401431127	2011	7	10	9	V	1.7	2.2	4.76	194
401431127	2011	7	10	10	V	2.6	3.8	4.29	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	10	11	V	2.1	3.6	4.63	197
401431127	2011	7	10	12	V	2.5	1.5	5.27	195
401431127	2011	7	10	13	V	2.5	0.7	6.26	190
401431127	2011	7	10	14	V	3.0	0.7	7.08	181
401431127	2011	7	10	15	V	2.2	0.8	6.07	194
401431127	2011	7	10	16	V	2.9	0.4	5.41	204
401431127	2011	7	10	17	V	2.6	0.4	5.56	204
401431127	2011	7	10	18	V	6.2	0.6	4.53	200
401431127	2011	7	10	19	V	1.7	0.6	4.54	192
401431127	2011	7	10	20	V	1.9	0.3	2.72	184
401431127	2011	7	10	21	V	11.2	0.3	1.82	202
401431127	2011	7	10	22	V	22.8	1.2	1.76	210
401431127	2011	7	10	23	V	6.5	7.4	3.01	200
401431127	2011	7	10	24	V	6.2	14.5	3.73	198
401431127	2011	7	11	1	V	19.0	16.4	3.86	207
401431127	2011	7	11	2	V	8.6	1.4	2.73	218
401431127	2011	7	11	3	V	5.7	0.5	2.55	223
401431127	2011	7	11	4	V	1.0	0.5	1.81	223
401431127	2011	7	11	5	V	0.8	0.9	0.8	237
401431127	2011	7	11	6	V	18.9	1.1	0.77	211
401431127	2011	7	11	7	V	8.4	0.9	1.18	203
401431127	2011	7	11	8	V	4.9	0.7	2.23	214
401431127	2011	7	11	9	V	1.6	0.5	2.54	233
401431127	2011	7	11	10	V	1.2	0.4	3.58	228
401431127	2011	7	11	11	V	2.0	1	4.2	198
401431127	2011	7	11	12	V	2.3	0.9	4.34	185
401431127	2011	7	11	13	V	2.5	0.4	4.12	186
401431127	2011	7	11	14	V	3.1	0.2	4.92	175
401431127	2011	7	11	15	V	2.1	0.2	4.7	182
401431127	2011	7	11	16	V	2.5	0.3	4.61	183
401431127	2011	7	11	17	V	2.1	0.2	4.88	167
401431127	2011	7	11	18	V	5.8	0.2	4.71	179
401431127	2011	7	11	19	V	2.2	0.2	2.72	201
401431127	2011	7	11	20	V	14.2	0.3	1.72	203
401431127	2011	7	11	21	V	3.3	0.2	1.33	197
401431127	2011	7	11	22	V	20.0	0.2	1.31	211
401431127	2011	7	11	23	V	7.9	0.3	1.96	201
401431127	2011	7	11	24	V	23.7	1.5	1.69	207
401431127	2011	7	12	1	V	9.7	13	1.26	218
401431127	2011	7	12	2	C	-999	26.9	0	0
401431127	2011	7	12	3	C	-999	4.3	0	0
401431127	2011	7	12	4	V	1.1	25.6	0.6	258
401431127	2011	7	12	5	C	-999	12.9	0	0
401431127	2011	7	12	6	C	-999	3.7	0	0
401431127	2011	7	12	7	V	1.6	3.6	1.06	177
401431127	2011	7	12	8	V	1.4	4.6	3.18	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	12	9	V	1.6	5.7	4.1	191
401431127	2011	7	12	10	V	1.6	5.2	3.97	199
401431127	2011	7	12	11	V	1.9	1.8	4.75	219
401431127	2011	7	12	12	V	2.6	0.7	4.9	202
401431127	2011	7	12	13	V	2.8	0.9	3.93	202
401431127	2011	7	12	14	V	3.3	0.3	3.03	222
401431127	2011	7	12	15	V	2.1	2.6	2.18	270
401431127	2011	7	12	16	V	2.5	0.3	1.89	318
401431127	2011	7	12	17	V	2.3	0.3	1.3	264
401431127	2011	7	12	18	V	6.0	15.4	1.13	343
401431127	2011	7	12	19	V	2.0	3.4	1.52	218
401431127	2011	7	12	20	V	3.4	5.9	3.15	195
401431127	2011	7	12	21	V	1.4	2.2	2.64	162
401431127	2011	7	12	22	V	1.0	0.7	2.28	111
401431127	2011	7	12	23	V	0.7	0.5	2.01	162
401431127	2011	7	12	24	V	2.4	0.4	0.89	119
401431127	2011	7	13	1	V	5.6	1.5	1.59	1
401431127	2011	7	13	2	V	2.7	0.9	2.91	21
401431127	2011	7	13	3	V	4.3	0.3	4.41	26
401431127	2011	7	13	4	V	0.7	0.2	4.54	31
401431127	2011	7	13	5	V	0.6	0.1	4.78	29
401431127	2011	7	13	6	V	11.7	0.1	4.46	49
401431127	2011	7	13	7	V	0.8	0.1	4.54	74
401431127	2011	7	13	8	V	1.2	0.1	3.88	90
401431127	2011	7	13	9	V	1.4	0.2	4.12	114
401431127	2011	7	13	10	V	1.0	0.2	4.8	78
401431127	2011	7	13	11	V	1.5	0.2	5.56	100
401431127	2011	7	13	12	V	2.2	0.3	5.9	104
401431127	2011	7	13	13	V	2.4	0.6	4.42	119
401431127	2011	7	13	14	V	3.1	0.6	3.29	108
401431127	2011	7	13	15	V	2.1	0.5	2.22	102
401431127	2011	7	13	16	V	2.5	0.5	2.49	139
401431127	2011	7	13	17	V	2.2	0.8	3.56	130
401431127	2011	7	13	18	V	5.8	0.7	3.83	122
401431127	2011	7	13	19	V	1.5	0.6	3.61	126
401431127	2011	7	13	20	V	1.9	0.6	3.93	107
401431127	2011	7	13	21	V	1.4	0.4	3.83	122
401431127	2011	7	13	22	V	1.0	0.4	2.64	110
401431127	2011	7	13	23	V	0.7	0.4	2.54	93
401431127	2011	7	13	24	V	2.2	0.3	3.13	104
401431127	2011	7	14	1	V	5.6	0.2	2.98	110
401431127	2011	7	14	2	V	2.6	0.2	2.98	119
401431127	2011	7	14	3	V	4.4	0.2	2.4	127
401431127	2011	7	14	4	V	0.7	0.2	2.5	118
401431127	2011	7	14	5	V	0.7	0.2	2.61	137
401431127	2011	7	14	6	V	8.4	0.2	2.59	152

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	14	7	V	0.9	0.2	3.56	146
401431127	2011	7	14	8	V	1.3	0.2	3.42	151
401431127	2011	7	14	9	V	1.4	0.2	3.56	169
401431127	2011	7	14	10	V	1.0	0.3	3.12	164
401431127	2011	7	14	11	V	1.7	0.5	2.52	158
401431127	2011	7	14	12	V	2.2	0.6	3.32	114
401431127	2011	7	14	13	V	2.5	0.6	2.78	113
401431127	2011	7	14	14	V	3.1	0.6	2.98	112
401431127	2011	7	14	15	V	2.0	0.5	3.63	111
401431127	2011	7	14	16	V	2.5	0.5	3.9	106
401431127	2011	7	14	17	V	2.1	0.5	4.19	109
401431127	2011	7	14	18	V	5.8	1	4.6	105
401431127	2011	7	14	19	V	1.5	2.4	3.97	110
401431127	2011	7	14	20	V	1.9	2.5	2.98	129
401431127	2011	7	14	21	V	1.4	2.1	1.77	132
401431127	2011	7	14	22	V	1.0	1.9	2.54	146
401431127	2011	7	14	23	V	0.7	1.2	3.12	147
401431127	2011	7	14	24	V	2.2	0.4	3.59	149
401431127	2011	7	15	1	V	5.5	0.3	3.73	150
401431127	2011	7	15	2	V	2.6	0.2	3.1	148
401431127	2011	7	15	3	V	4.4	0.2	2.57	143
401431127	2011	7	15	4	V	0.8	0.2	2.27	147
401431127	2011	7	15	5	V	0.7	0.1	2.35	141
401431127	2011	7	15	6	V	8.3	0.1	2.67	134
401431127	2011	7	15	7	V	0.9	0.2	3.15	145
401431127	2011	7	15	8	V	1.3	0.2	3.64	151
401431127	2011	7	15	9	V	1.4	0.4	3.76	166
401431127	2011	7	15	10	V	1.0	0.7	3.24	164
401431127	2011	7	15	11	V	1.6	0.8	2.79	151
401431127	2011	7	15	12	V	2.3	0.9	2.61	172
401431127	2011	7	15	13	V	2.4	0.8	3.24	117
401431127	2011	7	15	14	V	3.1	0.7	3.15	85
401431127	2011	7	15	15	V	2.2	0.6	3.13	67
401431127	2011	7	15	16	V	2.5	0.5	3.06	117
401431127	2011	7	15	17	V	2.2	0.5	2.96	119
401431127	2011	7	15	18	V	5.8	0.7	3.32	118
401431127	2011	7	15	19	V	1.5	1.2	4.56	120
401431127	2011	7	15	20	V	1.9	2.5	4.36	129
401431127	2011	7	15	21	V	1.4	2.6	3.13	141
401431127	2011	7	15	22	V	1.0	1.4	3.07	137
401431127	2011	7	15	23	V	0.7	0.6	2.45	139
401431127	2011	7	15	24	V	2.2	1.7	3.13	137
401431127	2011	7	16	1	V	5.5	1.5	3.05	138
401431127	2011	7	16	2	V	2.6	0.7	3.17	146
401431127	2011	7	16	3	V	4.3	0.3	2.88	163
401431127	2011	7	16	4	V	0.8	0.2	1.94	155

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	16	5	V	0.7	0.3	2.18	164
401431127	2011	7	16	6	V	8.4	0.3	2.28	147
401431127	2011	7	16	7	V	0.9	0.3	2.95	142
401431127	2011	7	16	8	V	1.3	0.3	3.54	155
401431127	2011	7	16	9	V	1.4	0.5	3.57	163
401431127	2011	7	16	10	V	1.0	0.6	2.96	165
401431127	2011	7	16	11	V	1.6	0.5	3.42	169
401431127	2011	7	16	12	V	2.3	0.5	3.06	157
401431127	2011	7	16	13	V	2.4	0.7	3.74	115
401431127	2011	7	16	14	V	3.1	0.6	4.22	110
401431127	2011	7	16	15	V	2.0	0.4	4.58	103
401431127	2011	7	16	16	V	2.5	1.1	4.9	110
401431127	2011	7	16	17	V	2.1	2	5.16	108
401431127	2011	7	16	18	V	5.8	1.2	4.19	109
401431127	2011	7	16	19	V	1.5	1.2	3.46	97
401431127	2011	7	16	20	V	1.9	0.4	2.84	91
401431127	2011	7	16	21	V	1.4	0.3	1.94	107
401431127	2011	7	16	22	V	1.0	0.4	3.12	134
401431127	2011	7	16	23	V	0.7	0.4	3.59	149
401431127	2011	7	16	24	V	2.2	0.2	3.15	152
401431127	2011	7	17	1	V	5.5	0.6	3.03	146
401431127	2011	7	17	2	V	2.7	0.6	2.33	156
401431127	2011	7	17	3	V	4.4	0.3	2.35	169
401431127	2011	7	17	4	V	0.8	0.2	2.18	152
401431127	2011	7	17	5	V	0.7	0.2	1.81	146
401431127	2011	7	17	6	V	8.4	0.1	2.04	143
401431127	2011	7	17	7	V	0.9	0.1	2.5	132
401431127	2011	7	17	8	V	1.3	0.1	3.49	143
401431127	2011	7	17	9	V	1.4	0.3	3.49	166
401431127	2011	7	17	10	V	1.0	0.5	3.18	161
401431127	2011	7	17	11	V	1.6	0.8	3.03	111
401431127	2011	7	17	12	V	2.3	0.8	2.83	98
401431127	2011	7	17	13	V	2.4	0.5	3.1	123
401431127	2011	7	17	14	V	3.1	0.4	3.85	113
401431127	2011	7	17	15	V	2.0	0.9	4.03	103
401431127	2011	7	17	16	V	2.5	1.4	3.59	95
401431127	2011	7	17	17	V	2.2	0.6	3.64	107
401431127	2011	7	17	18	V	5.8	0.3	3.81	127
401431127	2011	7	17	19	V	1.5	0.2	4.32	118
401431127	2011	7	17	20	V	1.9	0.3	3.4	127
401431127	2011	7	17	21	V	1.4	0.6	2.78	138
401431127	2011	7	17	22	V	1.0	2.4	3	146
401431127	2011	7	17	23	V	0.7	2.1	3.71	144
401431127	2011	7	17	24	V	2.2	0.5	2.86	142
401431127	2011	7	18	1	V	5.5	0.2	2.61	134
401431127	2011	7	18	2	V	2.6	0.2	2.9	136

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	18	3	V	4.3	0.2	2.61	149
401431127	2011	7	18	4	V	0.8	0.2	2.5	164
401431127	2011	7	18	5	V	0.7	0.2	1.87	171
401431127	2011	7	18	6	V	8.3	0.2	2.64	142
401431127	2011	7	18	7	V	0.9	0.2	3.39	139
401431127	2011	7	18	8	V	1.3	0.4	3.27	152
401431127	2011	7	18	9	V	1.4	0.5	3.32	163
401431127	2011	7	18	10	V	1.0	0.4	2.88	174
401431127	2011	7	18	11	V	1.6	0.4	2.69	131
401431127	2011	7	18	12	V	2.3	0.4	2.88	133
401431127	2011	7	18	13	V	2.5	0.3	2.52	119
401431127	2011	7	18	14	V	3.1	0.2	3.51	110
401431127	2011	7	18	15	V	2.0	1.3	3.9	121
401431127	2011	7	18	16	V	2.5	1.7	3.97	124
401431127	2011	7	18	17	V	2.1	0.2	4.43	120
401431127	2011	7	18	18	V	5.8	0.2	4.34	137
401431127	2011	7	18	19	V	1.5	0.2	4.34	128
401431127	2011	7	18	20	V	1.9	0.1	3.12	128
401431127	2011	7	18	21	V	1.4	0.2	1.72	130
401431127	2011	7	18	22	V	1.0	0.2	2.15	151
401431127	2011	7	18	23	V	0.7	0.9	2.91	146
401431127	2011	7	18	24	V	2.2	0.3	2.71	149
401431127	2011	7	19	1	V	5.6	0.2	2.11	158
401431127	2011	7	19	2	V	2.7	0.2	1.94	155
401431127	2011	7	19	3	V	4.4	0.2	2.06	153
401431127	2011	7	19	4	V	0.8	0.2	1.93	169
401431127	2011	7	19	5	V	1.1	0.2	1.37	194
401431127	2011	7	19	6	V	9.9	0.2	0.87	195
401431127	2011	7	19	7	V	1.0	0.2	2.22	166
401431127	2011	7	19	8	V	1.3	0.2	3.18	167
401431127	2011	7	19	9	V	1.4	0.3	3.17	180
401431127	2011	7	19	10	V	1.0	0.3	2.86	169
401431127	2011	7	19	11	V	1.6	0.3	2.91	121
401431127	2011	7	19	12	V	2.2	0.2	3.12	117
401431127	2011	7	19	13	V	2.4	0.2	3.81	105
401431127	2011	7	19	14	V	3.1	0.2	3.42	116
401431127	2011	7	19	15	V	2.0	0.4	3.88	117
401431127	2011	7	19	16	V	2.5	1.6	4.71	119
401431127	2011	7	19	17	V	2.1	0.3	4.66	131
401431127	2011	7	19	18	V	5.8	0.2	4.82	111
401431127	2011	7	19	19	V	1.5	0.2	4.48	101
401431127	2011	7	19	20	V	1.9	0.3	3.54	110
401431127	2011	7	19	21	V	1.4	0.3	2.69	126
401431127	2011	7	19	22	V	1.0	0.4	2.42	139
401431127	2011	7	19	23	V	0.7	0.3	2.4	141
401431127	2011	7	19	24	V	2.2	0.5	2.93	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	20	1	V	5.6	0.2	2.03	171
401431127	2011	7	20	2	V	3.1	0.2	0.7	229
401431127	2011	7	20	3	V	4.7	0.3	0.6	79
401431127	2011	7	20	4	V	0.8	0.7	1.76	149
401431127	2011	7	20	5	V	0.7	0.3	1.84	168
401431127	2011	7	20	6	V	8.4	0.4	2.06	164
401431127	2011	7	20	7	V	0.9	0.5	3.05	165
401431127	2011	7	20	8	V	1.3	0.6	3.78	178
401431127	2011	7	20	9	V	1.8	1	4.53	195
401431127	2011	7	20	10	V	1.4	1.5	4.83	198
401431127	2011	7	20	11	V	1.7	-999	5.43	191
401431127	2011	7	20	12	V	2.3	-999	4.85	186
401431127	2011	7	20	13	V	2.7	0.5	4.53	195
401431127	2011	7	20	14	V	3.2	0.4	4.95	189
401431127	2011	7	20	15	V	2.0	0.2	4.7	180
401431127	2011	7	20	16	V	2.5	0.2	5.07	168
401431127	2011	7	20	17	V	2.1	0.2	5	167
401431127	2011	7	20	18	V	5.8	0.2	4.8	166
401431127	2011	7	20	19	V	1.5	0.2	4.31	161
401431127	2011	7	20	20	V	1.9	0.2	3.13	171
401431127	2011	7	20	21	V	1.4	0.2	2.27	184
401431127	2011	7	20	22	V	20.1	0.2	1.3	207
401431127	2011	7	20	23	V	6.3	0.2	1.55	200
401431127	2011	7	20	24	V	3.1	0.3	1.72	196
401431127	2011	7	21	1	V	5.7	0.3	1.31	190
401431127	2011	7	21	2	V	2.9	0.2	1.31	192
401431127	2011	7	21	3	V	4.6	0.3	0.69	28
401431127	2011	7	21	4	V	1.2	0.5	0.67	34
401431127	2011	7	21	5	C	-999	0.5	0	0
401431127	2011	7	21	6	C	-999	0.4	0	0
401431127	2011	7	21	7	V	2.0	0.5	1.11	184
401431127	2011	7	21	8	V	1.7	2.8	2.38	185
401431127	2011	7	21	9	V	3.3	1.4	2.91	204
401431127	2011	7	21	10	V	1.8	1.8	3.92	204
401431127	2011	7	21	11	V	1.6	1	5.14	179
401431127	2011	7	21	12	V	2.2	0.5	5.48	184
401431127	2011	7	21	13	V	2.4	0.4	5.02	181
401431127	2011	7	21	14	V	3.1	0.3	5.22	178
401431127	2011	7	21	15	V	2.0	0.2	5.12	176
401431127	2011	7	21	16	V	2.5	0.2	4.73	167
401431127	2011	7	21	17	V	2.2	0.2	4.14	178
401431127	2011	7	21	18	V	5.8	0.2	4.22	172
401431127	2011	7	21	19	V	1.5	0.2	3.92	166
401431127	2011	7	21	20	V	1.9	0.2	3.15	162
401431127	2011	7	21	21	V	1.4	0.3	1.91	168
401431127	2011	7	21	22	V	1.2	0.3	0.87	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	21	23	V	5.3	0.3	1.06	218
401431127	2011	7	21	24	V	22.6	2.4	1.45	207
401431127	2011	7	22	1	V	18.4	7	1.35	214
401431127	2011	7	22	2	V	10.4	20.9	0.6	212
401431127	2011	7	22	3	V	4.5	9.8	0.75	244
401431127	2011	7	22	4	V	1.2	6.4	0.72	34
401431127	2011	7	22	5	V	0.8	0.9	1.21	174
401431127	2011	7	22	6	V	8.5	0.4	1.01	170
401431127	2011	7	22	7	V	1.0	0.5	2.03	166
401431127	2011	7	22	8	V	1.3	0.9	2.54	173
401431127	2011	7	22	9	V	1.5	6.1	3.15	181
401431127	2011	7	22	10	V	1.0	4	3.64	173
401431127	2011	7	22	11	V	1.6	0.9	5.46	181
401431127	2011	7	22	12	V	2.3	0.9	4.59	187
401431127	2011	7	22	13	V	2.4	1	4.49	161
401431127	2011	7	22	14	V	3.1	0.4	4.36	180
401431127	2011	7	22	15	V	2.0	0.3	4.63	175
401431127	2011	7	22	16	V	2.5	0.2	4.56	183
401431127	2011	7	22	17	V	2.4	0.2	4.27	199
401431127	2011	7	22	18	V	6.0	0.2	4.03	192
401431127	2011	7	22	19	V	1.5	0.2	4.26	179
401431127	2011	7	22	20	V	1.9	0.2	3.22	172
401431127	2011	7	22	21	V	1.4	0.3	3.39	158
401431127	2011	7	22	22	V	1.0	0.3	2.84	162
401431127	2011	7	22	23	V	0.7	0.3	2.57	172
401431127	2011	7	22	24	V	4.3	0.3	2.13	198
401431127	2011	7	23	1	V	21.5	4	1.25	205
401431127	2011	7	23	2	V	5.3	19.9	0.92	197
401431127	2011	7	23	3	V	9.3	16.6	0.63	200
401431127	2011	7	23	4	V	1.0	6.7	0.67	141
401431127	2011	7	23	5	V	0.8	1	0.99	159
401431127	2011	7	23	6	V	8.5	0.5	0.99	172
401431127	2011	7	23	7	V	9.8	0.7	1.3	209
401431127	2011	7	23	8	V	2.1	4.7	3.13	194
401431127	2011	7	23	9	V	1.7	8.3	4.58	194
401431127	2011	7	23	10	V	1.9	4.2	4.42	209
401431127	2011	7	23	11	V	2.0	3.4	4.15	203
401431127	2011	7	23	12	V	2.5	1.8	4.78	198
401431127	2011	7	23	13	V	2.6	0.9	4.65	195
401431127	2011	7	23	14	V	3.2	0.5	4.48	188
401431127	2011	7	23	15	V	2.1	0.3	4.22	182
401431127	2011	7	23	16	V	2.6	0.2	4.19	186
401431127	2011	7	23	17	V	2.3	0.2	4.03	191
401431127	2011	7	23	18	V	6.0	0.2	4.14	192
401431127	2011	7	23	19	V	1.5	0.2	4.68	168
401431127	2011	7	23	20	V	1.9	0.2	3.56	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	23	21	V	3.2	0.2	1.5	196
401431127	2011	7	23	22	V	6.7	0.2	1.43	200
401431127	2011	7	23	23	V	5.6	0.3	2.13	200
401431127	2011	7	23	24	V	25.8	0.4	1.94	208
401431127	2011	7	24	1	V	13.4	8.4	1.45	216
401431127	2011	7	24	2	V	2.7	16.6	1.37	182
401431127	2011	7	24	3	V	4.4	13.1	1.31	181
401431127	2011	7	24	4	V	5.3	12.4	1.03	199
401431127	2011	7	24	5	V	2.6	20.4	0.69	48
401431127	2011	7	24	6	V	8.6	4.9	0.84	157
401431127	2011	7	24	7	V	1.2	6.6	1.96	185
401431127	2011	7	24	8	V	1.5	9.3	2.98	186
401431127	2011	7	24	9	V	3.2	6.2	3.05	213
401431127	2011	7	24	10	V	1.1	0.9	2.52	238
401431127	2011	7	24	11	V	1.9	0.6	2.27	204
401431127	2011	7	24	12	V	2.4	2.4	2.23	178
401431127	2011	7	24	13	V	2.6	0.7	2.16	214
401431127	2011	7	24	14	V	3.0	0.7	3.85	286
401431127	2011	7	24	15	V	2.1	0.6	2.21	125
401431127	2011	7	24	16	V	2.5	0.5	3.3	85
401431127	2011	7	24	17	V	2.2	0.4	3.3	90
401431127	2011	7	24	18	V	5.8	0.3	2.76	116
401431127	2011	7	24	19	V	1.5	0.4	3.03	158
401431127	2011	7	24	20	V	1.9	0.5	3.44	123
401431127	2011	7	24	21	V	1.4	0.4	2.91	153
401431127	2011	7	24	22	V	1.0	0.7	2.37	237
401431127	2011	7	24	23	V	0.7	0.3	1.77	230
401431127	2011	7	24	24	V	2.2	0.2	1.88	358
401431127	2011	7	25	1	V	5.5	0.2	5.04	21
401431127	2011	7	25	2	V	2.7	0.2	5.17	34
401431127	2011	7	25	3	V	4.4	0.3	2.64	352
401431127	2011	7	25	4	V	0.8	0.2	1.54	269
401431127	2011	7	25	5	V	0.7	0.2	1.3	281
401431127	2011	7	25	6	V	9.5	0.1	0.97	222
401431127	2011	7	25	7	V	8.0	0.1	1.33	202
401431127	2011	7	25	8	V	1.4	2	2.27	133
401431127	2011	7	25	9	V	1.4	1.2	4.12	96
401431127	2011	7	25	10	V	1.0	0.7	4.2	79
401431127	2011	7	25	11	V	1.6	0.6	3.15	99
401431127	2011	7	25	12	V	2.3	2.3	2.67	104
401431127	2011	7	25	13	V	2.6	2.4	2.03	87
401431127	2011	7	25	14	V	3.2	1.9	2.06	127
401431127	2011	7	25	15	V	2.1	1.4	2.01	107
401431127	2011	7	25	16	V	2.6	1.3	2.03	88
401431127	2011	7	25	17	V	2.2	1.3	1.79	99
401431127	2011	7	25	18	V	5.9	0.9	1.74	103

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	25	19	V	1.6	0.7	1.31	84
401431127	2011	7	25	20	V	1.9	0.6	2.73	75
401431127	2011	7	25	21	V	1.4	0.5	1.6	131
401431127	2011	7	25	22	V	1.0	0.9	1.48	159
401431127	2011	7	25	23	V	0.9	0.6	0.99	69
401431127	2011	7	25	24	V	2.3	0.4	1.3	137
401431127	2011	7	26	1	V	5.6	0.4	1.25	146
401431127	2011	7	26	2	V	2.7	0.3	2.15	171
401431127	2011	7	26	3	V	4.4	0.3	2.23	147
401431127	2011	7	26	4	V	0.8	0.2	2.57	153
401431127	2011	7	26	5	V	0.7	0.1	2.42	124
401431127	2011	7	26	6	V	8.4	0.1	2.37	111
401431127	2011	7	26	7	V	0.9	0.1	3.1	149
401431127	2011	7	26	8	V	1.3	0.1	3.78	161
401431127	2011	7	26	9	V	1.3	0.2	5.5	157
401431127	2011	7	26	10	V	0.9	0.2	6.06	156
401431127	2011	7	26	11	V	1.5	0.2	7.3	167
401431127	2011	7	26	12	V	2.2	0.3	7.37	175
401431127	2011	7	26	13	V	2.4	0.4	6.55	166
401431127	2011	7	26	14	V	3.1	0.3	7.16	182
401431127	2011	7	26	15	V	2.0	0.3	6.09	176
401431127	2011	7	26	16	V	2.5	0.2	5.36	172
401431127	2011	7	26	17	V	2.1	0.2	5.43	147
401431127	2011	7	26	18	V	5.8	0.2	5.51	140
401431127	2011	7	26	19	V	1.5	0.2	5.65	146
401431127	2011	7	26	20	V	1.9	0.2	4.14	146
401431127	2011	7	26	21	V	1.4	0.2	3.73	145
401431127	2011	7	26	22	V	1.0	0.1	3.8	160
401431127	2011	7	26	23	V	0.7	0.2	5.05	175
401431127	2011	7	26	24	V	2.3	0.2	4.17	185
401431127	2011	7	27	1	V	5.5	0.3	2.74	173
401431127	2011	7	27	2	V	2.6	0.3	3.29	171
401431127	2011	7	27	3	V	4.3	0.3	3.91	172
401431127	2011	7	27	4	V	0.8	0.4	3.66	180
401431127	2011	7	27	5	V	0.6	0.4	2.88	167
401431127	2011	7	27	6	V	8.4	0.3	1.86	145
401431127	2011	7	27	7	V	0.9	0.3	3.29	168
401431127	2011	7	27	8	V	1.2	0.5	5.7	169
401431127	2011	7	27	9	V	1.3	0.7	5.65	170
401431127	2011	7	27	10	V	0.9	1	6.43	170
401431127	2011	7	27	11	V	1.5	1.1	5.85	174
401431127	2011	7	27	12	V	2.3	1.2	4.58	184
401431127	2011	7	27	13	V	2.5	1.1	4.66	185
401431127	2011	7	27	14	V	3.3	1.1	3.88	194
401431127	2011	7	27	15	V	2.0	1.1	4.34	164
401431127	2011	7	27	16	V	2.5	1	5.17	140

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	27	17	V	2.1	1	5.65	135
401431127	2011	7	27	18	V	5.8	1.3	5.1	140
401431127	2011	7	27	19	V	1.5	1.1	5.05	136
401431127	2011	7	27	20	V	1.9	0.5	3.32	143
401431127	2011	7	27	21	V	1.4	0.3	2.62	143
401431127	2011	7	27	22	V	1.0	0.2	2.44	142
401431127	2011	7	27	23	V	0.7	0.2	2.93	148
401431127	2011	7	27	24	V	2.2	0.3	3.06	161
401431127	2011	7	28	1	V	5.5	0.4	3.29	178
401431127	2011	7	28	2	V	2.7	0.4	2.33	162
401431127	2011	7	28	3	V	4.4	0.3	1.96	161
401431127	2011	7	28	4	V	0.8	0.3	1.84	169
401431127	2011	7	28	5	V	0.7	0.3	1.67	147
401431127	2011	7	28	6	V	8.4	0.3	1.62	148
401431127	2011	7	28	7	V	0.9	0.4	2.93	162
401431127	2011	7	28	8	V	1.2	0.4	3.88	171
401431127	2011	7	28	9	V	1.4	0.5	4.63	184
401431127	2011	7	28	10	V	1.0	0.6	5.1	177
401431127	2011	7	28	11	V	1.6	0.8	4.32	182
401431127	2011	7	28	12	V	2.4	1	3.08	185
401431127	2011	7	28	13	V	2.5	0.9	2.59	128
401431127	2011	7	28	14	V	3.1	0.9	3.61	123
401431127	2011	7	28	15	V	2.0	0.7	3.78	122
401431127	2011	7	28	16	V	2.5	0.4	4.07	114
401431127	2011	7	28	17	V	2.2	0.4	3.59	120
401431127	2011	7	28	18	V	5.8	0.9	4.03	110
401431127	2011	7	28	19	V	1.5	0.8	4.68	111
401431127	2011	7	28	20	V	1.9	0.3	4.2	136
401431127	2011	7	28	21	V	1.4	0.3	4.68	141
401431127	2011	7	28	22	V	1.0	0.2	3.81	151
401431127	2011	7	28	23	V	0.7	0.2	3.75	151
401431127	2011	7	28	24	V	2.2	0.1	3.86	163
401431127	2011	7	29	1	V	5.5	0.1	3.24	164
401431127	2011	7	29	2	V	2.7	0.1	2.13	170
401431127	2011	7	29	3	V	4.4	0.1	1.76	164
401431127	2011	7	29	4	V	0.8	0.1	1.84	177
401431127	2011	7	29	5	V	0.7	0.2	1.57	164
401431127	2011	7	29	6	V	8.5	0.2	1.04	181
401431127	2011	7	29	7	V	0.9	0.4	2.44	156
401431127	2011	7	29	8	V	1.3	0.7	3	167
401431127	2011	7	29	9	V	1.4	0.7	3.49	176
401431127	2011	7	29	10	V	1.1	0.7	3.47	182
401431127	2011	7	29	11	V	1.7	1	3.66	186
401431127	2011	7	29	12	V	2.4	1.2	2.91	184
401431127	2011	7	29	13	V	2.5	1.1	2.89	121
401431127	2011	7	29	14	V	3.1	0.7	3.69	129

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	29	15	V	2.0	0.6	3.73	128
401431127	2011	7	29	16	V	2.5	0.5	3.27	133
401431127	2011	7	29	17	V	2.2	0.4	3.64	127
401431127	2011	7	29	18	V	5.8	0.4	4.75	115
401431127	2011	7	29	19	V	1.5	0.5	5.51	143
401431127	2011	7	29	20	V	6.9	0.6	1.93	219
401431127	2011	7	29	21	V	1.5	0.3	0.8	359
401431127	2011	7	29	22	V	1.8	0.3	1.28	195
401431127	2011	7	29	23	V	0.9	0.7	1.01	167
401431127	2011	7	29	24	V	2.4	0.4	0.87	171
401431127	2011	7	30	1	V	5.6	0.3	1.89	159
401431127	2011	7	30	2	V	5.6	0.3	1.28	198
401431127	2011	7	30	3	V	4.4	0.2	1.57	163
401431127	2011	7	30	4	V	0.8	0.2	1.79	163
401431127	2011	7	30	5	V	1.3	0.2	0.79	191
401431127	2011	7	30	6	V	8.5	0.3	1.25	160
401431127	2011	7	30	7	V	2.8	0.3	1.79	193
401431127	2011	7	30	8	V	1.7	1.7	4.05	195
401431127	2011	7	30	9	V	2.6	3.5	3.91	213
401431127	2011	7	30	10	V	2.0	0.9	2.96	218
401431127	2011	7	30	11	V	2.0	1.1	2.33	225
401431127	2011	7	30	12	V	2.5	2.6	3.05	191
401431127	2011	7	30	13	V	2.8	0.8	2.88	217
401431127	2011	7	30	14	V	3.2	0.6	3.39	184
401431127	2011	7	30	15	V	2.0	0.3	2.67	304
401431127	2011	7	30	16	V	2.5	0.2	2.33	279
401431127	2011	7	30	17	V	2.3	0.2	2.55	230
401431127	2011	7	30	18	V	5.9	1.4	1.4	257
401431127	2011	7	30	19	C	-999	1.7	0	0
401431127	2011	7	30	20	C	-999	0.5	0	0
401431127	2011	7	30	21	V	1.6	0.4	0.84	230
401431127	2011	7	30	22	V	1.1	0.4	0.87	237
401431127	2011	7	30	23	V	0.9	0.5	0.91	240
401431127	2011	7	30	24	V	2.6	0.5	0.72	229
401431127	2011	7	31	1	C	-999	0.4	0	0
401431127	2011	7	31	2	C	-999	0.3	0	0
401431127	2011	7	31	3	V	4.7	0.8	0.55	27
401431127	2011	7	31	4	C	-999	1.1	0	0
401431127	2011	7	31	5	V	0.8	0.7	0.77	258
401431127	2011	7	31	6	C	-999	0.9	0	0
401431127	2011	7	31	7	V	8.9	1	0.97	206
401431127	2011	7	31	8	V	6.2	0.7	1.47	215
401431127	2011	7	31	9	V	3.1	0.5	2.96	214
401431127	2011	7	31	10	V	1.0	0.4	3.56	235
401431127	2011	7	31	11	V	1.8	0.3	2.79	225
401431127	2011	7	31	12	V	2.4	1	2.04	241

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	7	31	13	V	2.5	1.7	2.64	176
401431127	2011	7	31	14	V	3.1	0.3	2.89	141
401431127	2011	7	31	15	V	2.2	0.3	2.23	183
401431127	2011	7	31	16	V	2.6	0.4	2.76	183
401431127	2011	7	31	17	V	2.2	0.5	3.51	131
401431127	2011	7	31	18	V	5.8	0.5	4.09	120
401431127	2011	7	31	19	V	1.5	1.3	4.41	109
401431127	2011	7	31	20	V	1.9	0.7	3.61	117
401431127	2011	7	31	21	V	1.4	0.6	3.08	119
401431127	2011	7	31	22	V	1.0	0.7	3.63	142
401431127	2011	7	31	23	V	0.7	0.4	2.71	153
401431127	2011	7	31	24	V	2.2	0.3	2.33	152
401431127	2011	8	1	1	V	5.6	0.2	2.48	173
401431127	2011	8	1	2	V	2.7	0.2	2.57	171
401431127	2011	8	1	3	V	4.4	0.2	1.81	172
401431127	2011	8	1	4	V	1.2	0.2	0.79	227
401431127	2011	8	1	5	C	-999	0.2	0	0
401431127	2011	8	1	6	V	10.4	0.2	0.87	196
401431127	2011	8	1	7	V	8.8	0.5	1.4	210
401431127	2011	8	1	8	V	2.5	6.7	2.71	194
401431127	2011	8	1	9	V	4.6	7.1	2.45	212
401431127	2011	8	1	10	V	2.9	0.7	2.62	218
401431127	2011	8	1	11	V	1.6	0.3	2.64	249
401431127	2011	8	1	12	V	2.5	0.2	2.35	229
401431127	2011	8	1	13	V	2.6	0.7	2.21	183
401431127	2011	8	1	14	V	3.3	1.4	2.84	195
401431127	2011	8	1	15	V	2.0	0.8	2.73	166
401431127	2011	8	1	16	V	2.8	0.6	2.42	214
401431127	2011	8	1	17	V	2.2	0.2	2.44	177
401431127	2011	8	1	18	V	5.8	0.2	3.81	149
401431127	2011	8	1	19	V	1.5	0.2	3.41	170
401431127	2011	8	1	20	V	2.5	0.3	1.82	194
401431127	2011	8	1	21	V	4.0	0.4	0.96	220
401431127	2011	8	1	22	V	2.5	0.3	0.68	224
401431127	2011	8	1	23	V	1.0	0.2	0.6	279
401431127	2011	8	1	24	V	2.5	0.2	0.58	269
401431127	2011	8	2	1	V	7.8	0.3	0.8	221
401431127	2011	8	2	2	V	4.3	1.7	1.43	197
401431127	2011	8	2	3	V	4.5	0.5	1.03	187
401431127	2011	8	2	4	V	0.8	0.5	2.05	164
401431127	2011	8	2	5	V	0.7	0.6	1.47	181
401431127	2011	8	2	6	V	8.4	0.4	1.3	168
401431127	2011	8	2	7	V	1.0	0.5	1.6	171
401431127	2011	8	2	8	V	1.3	0.7	3.03	177
401431127	2011	8	2	9	V	3.5	6.6	3	198
401431127	2011	8	2	10	V	2.3	3.4	3.12	218

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	2	11	V	2.6	0.5	3.71	215
401431127	2011	8	2	12	V	2.7	0.5	3.42	221
401431127	2011	8	2	13	V	2.6	0.6	4.05	190
401431127	2011	8	2	14	V	3.2	0.7	4.46	189
401431127	2011	8	2	15	V	2.7	0.7	3.52	205
401431127	2011	8	2	16	V	3.0	0.7	4.29	210
401431127	2011	8	2	17	V	2.5	0.4	3.76	197
401431127	2011	8	2	18	V	6.3	0.4	3.17	219
401431127	2011	8	2	19	V	2.3	2.9	1.76	218
401431127	2011	8	2	20	V	2.0	3.1	0.86	234
401431127	2011	8	2	21	C	-999	2.6	0	0
401431127	2011	8	2	22	V	1.3	1.7	0.55	258
401431127	2011	8	2	23	V	1.7	1	0.72	225
401431127	2011	8	2	24	V	2.4	0.8	0.84	233
401431127	2011	8	3	1	V	5.6	6	1.18	248
401431127	2011	8	3	2	V	5.1	0.7	1.5	219
401431127	2011	8	3	3	V	4.5	0.4	1.03	244
401431127	2011	8	3	4	V	3.2	0.4	0.62	222
401431127	2011	8	3	5	V	1.5	0.4	0.58	42
401431127	2011	8	3	6	V	8.4	0.4	1.38	14
401431127	2011	8	3	7	V	3.9	0.4	1.06	224
401431127	2011	8	3	8	V	7.7	2	1.62	213
401431127	2011	8	3	9	V	2.8	1.2	2.64	221
401431127	2011	8	3	10	V	1.1	0.5	2.03	279
401431127	2011	8	3	11	V	1.8	0.5	1.52	316
401431127	2011	8	3	12	V	2.3	-999	2.22	309
401431127	2011	8	3	13	V	2.5	-999	2.25	273
401431127	2011	8	3	14	V	3.2	-999	2.01	247
401431127	2011	8	3	15	V	2.0	1	3.29	356
401431127	2011	8	3	16	V	2.5	0.8	1.98	3
401431127	2011	8	3	17	V	2.2	0.5	1.98	343
401431127	2011	8	3	18	V	5.8	0.4	1.96	359
401431127	2011	8	3	19	V	1.6	0.6	0.91	294
401431127	2011	8	3	20	V	1.9	0.3	3.01	347
401431127	2011	8	3	21	V	1.4	0.2	3.44	17
401431127	2011	8	3	22	V	1.0	0.2	1.52	67
401431127	2011	8	3	23	V	0.7	0.2	1.82	266
401431127	2011	8	3	24	V	2.3	0.2	1.62	334
401431127	2011	8	4	1	V	5.6	0.2	3.57	342
401431127	2011	8	4	2	V	2.6	0.2	5.48	10
401431127	2011	8	4	3	V	4.3	0.1	5.27	12
401431127	2011	8	4	4	V	0.7	0.1	5.38	30
401431127	2011	8	4	5	V	1.9	0.1	4.41	41
401431127	2011	8	4	6	V	8.4	0.2	3.03	68
401431127	2011	8	4	7	V	2.1	0.3	3.08	58
401431127	2011	8	4	8	V	1.7	0.3	3.56	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	4	9	V	2.9	0.3	3.66	56
401431127	2011	8	4	10	V	1.0	0.2	3.88	71
401431127	2011	8	4	11	V	1.6	0.3	4.22	110
401431127	2011	8	4	12	V	2.2	0.5	4.49	122
401431127	2011	8	4	13	V	2.4	0.9	4.66	125
401431127	2011	8	4	14	V	3.0	0.9	4.8	116
401431127	2011	8	4	15	V	2.0	0.4	4.46	106
401431127	2011	8	4	16	V	2.5	0.6	3.83	109
401431127	2011	8	4	17	V	2.2	1.1	2.72	85
401431127	2011	8	4	18	V	5.8	0.7	2.47	83
401431127	2011	8	4	19	V	1.5	1	2.86	117
401431127	2011	8	4	20	V	1.9	1.9	2.21	130
401431127	2011	8	4	21	V	3.0	1.7	0.99	55
401431127	2011	8	4	22	V	1.0	1.1	1.77	126
401431127	2011	8	4	23	V	0.7	0.9	2.76	163
401431127	2011	8	4	24	V	2.2	0.5	3.27	166
401431127	2011	8	5	1	V	5.5	0.3	3.1	174
401431127	2011	8	5	2	V	17.7	0.6	1.06	206
401431127	2011	8	5	3	V	4.4	0.3	1.33	172
401431127	2011	8	5	4	V	0.8	0.2	1.94	170
401431127	2011	8	5	5	V	0.7	0.2	1.42	178
401431127	2011	8	5	6	V	14.4	0.2	1.11	200
401431127	2011	8	5	7	V	1.1	0.3	1.26	157
401431127	2011	8	5	8	V	6.8	2	2.23	201
401431127	2011	8	5	9	V	2.3	1	3.05	221
401431127	2011	8	5	10	V	1.1	0.6	4.17	225
401431127	2011	8	5	11	V	2.1	0.5	4.63	219
401431127	2011	8	5	12	V	3.2	1.2	6.16	206
401431127	2011	8	5	13	V	2.6	0.8	5.92	195
401431127	2011	8	5	14	V	3.7	0.7	3.93	207
401431127	2011	8	5	15	V	2.1	0.6	5.48	190
401431127	2011	8	5	16	V	2.5	0.9	4.36	185
401431127	2011	8	5	17	V	2.2	0.7	4.08	188
401431127	2011	8	5	18	V	5.9	0.6	3.46	188
401431127	2011	8	5	19	V	1.5	0.3	4.14	178
401431127	2011	8	5	20	V	1.9	0.4	3.73	170
401431127	2011	8	5	21	V	1.4	0.3	3.58	172
401431127	2011	8	5	22	V	1.0	0.2	3.15	180
401431127	2011	8	5	23	V	1.0	0.3	3.71	189
401431127	2011	8	5	24	V	4.0	0.4	3.59	195
401431127	2011	8	6	1	V	14.8	0.5	2.42	202
401431127	2011	8	6	2	V	7.4	6.2	3.22	199
401431127	2011	8	6	3	V	4.4	9.7	3.17	187
401431127	2011	8	6	4	V	9.0	8.4	1.26	216
401431127	2011	8	6	5	V	0.7	1.4	1.42	230
401431127	2011	8	6	6	V	8.4	1.2	1.33	231

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	6	7	V	1.4	0.9	1.2	234
401431127	2011	8	6	8	V	1.7	0.7	1.52	179
401431127	2011	8	6	9	V	1.4	0.7	2.44	172
401431127	2011	8	6	10	V	1.0	1.5	3.9	186
401431127	2011	8	6	11	V	1.7	1.8	4.43	189
401431127	2011	8	6	12	V	2.4	1.5	4.34	191
401431127	2011	8	6	13	V	3.4	1.4	3.59	213
401431127	2011	8	6	14	V	3.8	0.7	3.54	214
401431127	2011	8	6	15	V	2.3	0.8	3.05	225
401431127	2011	8	6	16	V	3.0	0.6	2.84	220
401431127	2011	8	6	17	V	3.0	1	2.96	213
401431127	2011	8	6	18	V	5.8	0.5	7.29	355
401431127	2011	8	6	19	V	1.5	0.8	5.12	303
401431127	2011	8	6	20	V	1.9	0.1	3.86	4
401431127	2011	8	6	21	V	1.4	0.1	2.91	320
401431127	2011	8	6	22	V	1.0	0.3	2.27	319
401431127	2011	8	6	23	V	4.3	0.2	1.87	218
401431127	2011	8	6	24	V	2.4	0.1	0.94	143
401431127	2011	8	7	1	V	5.6	0.1	1.47	106
401431127	2011	8	7	2	V	2.7	0.1	1.77	147
401431127	2011	8	7	3	V	5.2	0.2	1.84	196
401431127	2011	8	7	4	V	17.7	0.2	1.28	212
401431127	2011	8	7	5	V	6.6	0.2	1.26	200
401431127	2011	8	7	6	V	8.5	0.2	0.75	246
401431127	2011	8	7	7	C	-999	0.2	0	0
401431127	2011	8	7	8	V	1.4	0.3	2.3	156
401431127	2011	8	7	9	V	1.4	0.3	3.32	176
401431127	2011	8	7	10	V	1.0	0.6	4.56	189
401431127	2011	8	7	11	V	2.7	1.5	4.41	201
401431127	2011	8	7	12	V	2.4	1.5	4.44	191
401431127	2011	8	7	13	V	3.0	1.4	5.31	199
401431127	2011	8	7	14	V	3.4	3.7	5.26	197
401431127	2011	8	7	15	V	3.0	2.1	3.44	210
401431127	2011	8	7	16	V	3.4	6.8	3.15	207
401431127	2011	8	7	17	V	2.2	2.5	4.19	228
401431127	2011	8	7	18	V	5.9	0.3	3.25	230
401431127	2011	8	7	19	V	2.6	0.2	1.81	217
401431127	2011	8	7	20	V	2.5	0.4	0.67	231
401431127	2011	8	7	21	V	8.1	0.6	0.77	216
401431127	2011	8	7	22	V	1.1	0.6	1.16	171
401431127	2011	8	7	23	V	1.0	0.3	0.75	152
401431127	2011	8	7	24	V	2.3	0.2	1.55	138
401431127	2011	8	8	1	V	5.6	0.2	1.88	171
401431127	2011	8	8	2	V	2.7	0.2	1.79	176
401431127	2011	8	8	3	V	7.4	0.2	1.25	198
401431127	2011	8	8	4	V	17.9	4.6	1.25	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	8	5	V	12.9	6.4	0.86	211
401431127	2011	8	8	6	V	8.5	2.5	0.89	9
401431127	2011	8	8	7	V	1.0	1.1	1.5	160
401431127	2011	8	8	8	V	1.4	0.7	2.3	155
401431127	2011	8	8	9	V	1.4	0.6	3.15	179
401431127	2011	8	8	10	V	1.9	1.5	4.75	213
401431127	2011	8	8	11	V	2.3	1.9	3.95	218
401431127	2011	8	8	12	V	2.5	0.9	3.46	227
401431127	2011	8	8	13	V	2.5	0.5	1.93	282
401431127	2011	8	8	14	V	3.0	3.3	4	349
401431127	2011	8	8	15	V	2.4	1.3	3.93	59
401431127	2011	8	8	16	V	2.5	0.7	4.2	76
401431127	2011	8	8	17	V	2.4	0.6	2.83	64
401431127	2011	8	8	18	V	6.0	0.8	3.85	34
401431127	2011	8	8	19	V	2.8	0.7	4.68	47
401431127	2011	8	8	20	V	1.9	1.1	5.41	5
401431127	2011	8	8	21	V	1.4	0.7	5.09	170
401431127	2011	8	8	22	V	1.0	0.8	2.69	16
401431127	2011	8	8	23	V	4.9	0.7	3.52	49
401431127	2011	8	8	24	V	5.8	0.3	4.93	47
401431127	2011	8	9	1	V	5.5	0.2	4.82	79
401431127	2011	8	9	2	V	2.7	0.1	3.8	100
401431127	2011	8	9	3	V	4.4	0.1	3.47	115
401431127	2011	8	9	4	V	0.8	0.1	3.44	114
401431127	2011	8	9	5	V	0.6	0.1	2.98	144
401431127	2011	8	9	6	V	8.4	0.1	1.48	95
401431127	2011	8	9	7	V	0.9	0.1	2.5	90
401431127	2011	8	9	8	V	1.3	0.3	3.34	107
401431127	2011	8	9	9	V	1.5	0.6	2.37	101
401431127	2011	8	9	10	V	1.3	0.6	1.5	112
401431127	2011	8	9	11	V	2.0	0.6	1.35	155
401431127	2011	8	9	12	V	3.4	0.6	2.18	33
401431127	2011	8	9	13	V	2.5	0.5	3.03	24
401431127	2011	8	9	14	V	7.0	0.5	3.29	48
401431127	2011	8	9	15	V	5.1	1.4	2.98	51
401431127	2011	8	9	16	V	2.5	5.3	3.15	97
401431127	2011	8	9	17	V	2.2	2.8	3.42	118
401431127	2011	8	9	18	V	5.8	1.6	4.05	130
401431127	2011	8	9	19	V	1.5	0.9	3.51	129
401431127	2011	8	9	20	V	1.9	0.5	2.08	106
401431127	2011	8	9	21	V	1.4	0.5	1.74	83
401431127	2011	8	9	22	V	1.0	0.4	2.45	36
401431127	2011	8	9	23	V	0.7	0.4	4.73	27
401431127	2011	8	9	24	V	2.8	0.7	4.8	55
401431127	2011	8	10	1	V	5.5	0.4	5.65	89
401431127	2011	8	10	2	V	2.6	0.3	4.85	114

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	10	3	V	4.7	0.2	6.96	57
401431127	2011	8	10	4	M	-999	0.1	999	999
401431127	2011	8	10	5	M	-999	0.1	999	999
401431127	2011	8	10	6	M	-999	0.1	999	999
401431127	2011	8	10	7	M	-999	0.1	999	999
401431127	2011	8	10	8	M	-999	0.1	999	999
401431127	2011	8	10	9	M	-999	0.1	999	999
401431127	2011	8	10	10	M	-999	0.1	999	999
401431127	2011	8	10	11	M	-999	0.1	999	999
401431127	2011	8	10	12	M	-999	0.1	999	999
401431127	2011	8	10	13	M	-999	0.2	999	999
401431127	2011	8	10	14	M	-999	0.2	5.16	65
401431127	2011	8	10	15	M	-999	0.2	6.01	97
401431127	2011	8	10	16	M	-999	0.9	4.92	110
401431127	2011	8	10	17	M	-999	0.5	3.92	122
401431127	2011	8	10	18	M	-999	0.5	3.98	73
401431127	2011	8	10	19	M	-999	0.9	4.31	19
401431127	2011	8	10	20	V	1.9	0.6	3.34	60
401431127	2011	8	10	21	V	1.4	0.8	4.54	60
401431127	2011	8	10	22	V	1.0	0.3	4.63	68
401431127	2011	8	10	23	V	2.8	0.2	4.17	42
401431127	2011	8	10	24	V	4.8	0.1	4.59	51
401431127	2011	8	11	1	V	5.6	0.1	3.27	67
401431127	2011	8	11	2	V	2.7	0.1	2.64	58
401431127	2011	8	11	3	V	4.4	0.1	1.16	21
401431127	2011	8	11	4	V	0.8	0	1.65	26
401431127	2011	8	11	5	V	0.7	0	1.93	32
401431127	2011	8	11	6	V	8.4	0	1.89	80
401431127	2011	8	11	7	V	0.9	0.1	2.54	88
401431127	2011	8	11	8	V	1.3	0.1	3.52	105
401431127	2011	8	11	9	V	1.5	0.1	2.57	103
401431127	2011	8	11	10	V	1.0	0.2	2.72	305
401431127	2011	8	11	11	V	1.7	0.2	2.06	302
401431127	2011	8	11	12	V	2.3	0.1	3	23
401431127	2011	8	11	13	V	2.4	0.1	6.12	112
401431127	2011	8	11	14	V	3.3	0.2	1.91	238
401431127	2011	8	11	15	V	2.6	0.2	1.35	176
401431127	2011	8	11	16	V	2.5	0.3	3.05	111
401431127	2011	8	11	17	V	2.2	0.3	3.54	95
401431127	2011	8	11	18	V	5.8	0.5	4.49	114
401431127	2011	8	11	19	V	1.6	1.6	4.71	120
401431127	2011	8	11	20	V	1.9	1.6	2.95	139
401431127	2011	8	11	21	V	1.4	0.7	1.67	169
401431127	2011	8	11	22	V	1.1	0.3	1.3	146
401431127	2011	8	11	23	V	0.8	0.2	1.38	164
401431127	2011	8	11	24	V	2.4	0.1	1.08	141

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	12	1	V	5.6	0.1	1.48	147
401431127	2011	8	12	2	V	2.7	0.1	1.59	149
401431127	2011	8	12	3	V	4.4	0.1	1.62	177
401431127	2011	8	12	4	V	0.8	0.1	2.35	172
401431127	2011	8	12	5	V	0.7	0.1	2.39	167
401431127	2011	8	12	6	V	8.4	0.1	1.79	152
401431127	2011	8	12	7	V	0.9	0.1	2.35	141
401431127	2011	8	12	8	V	1.3	0.1	2.57	150
401431127	2011	8	12	9	V	1.5	0.2	2.25	177
401431127	2011	8	12	10	V	1.1	0.1	2.06	114
401431127	2011	8	12	11	V	1.8	0.1	4.29	61
401431127	2011	8	12	12	V	2.4	0.2	2.96	69
401431127	2011	8	12	13	V	2.4	0.4	6.48	66
401431127	2011	8	12	14	V	3.0	0.6	6.7	93
401431127	2011	8	12	15	V	2.0	0.4	5.65	119
401431127	2011	8	12	16	V	2.5	0.6	5.48	107
401431127	2011	8	12	17	V	2.1	0.5	8.3	69
401431127	2011	8	12	18	V	5.8	0.2	5.77	88
401431127	2011	8	12	19	V	1.6	0.2	4.85	125
401431127	2011	8	12	20	V	1.9	0.2	3.86	151
401431127	2011	8	12	21	V	1.4	0.2	3.01	185
401431127	2011	8	12	22	V	1.0	0.8	2.67	269
401431127	2011	8	12	23	V	0.7	0.3	5.48	6
401431127	2011	8	12	24	V	3.9	0.2	6.14	52
401431127	2011	8	13	1	V	5.5	0.1	6.45	103
401431127	2011	8	13	2	V	2.6	0.1	4.05	131
401431127	2011	8	13	3	V	4.4	0.1	2.32	144
401431127	2011	8	13	4	V	0.8	0.1	2.22	182
401431127	2011	8	13	5	V	0.7	0.1	1.13	263
401431127	2011	8	13	6	V	8.5	0.1	0.8	4
401431127	2011	8	13	7	V	1.2	0.1	1.08	357
401431127	2011	8	13	8	V	2.1	0.1	1.86	28
401431127	2011	8	13	9	V	1.6	0.1	2.13	80
401431127	2011	8	13	10	V	1.2	0.2	1.82	143
401431127	2011	8	13	11	V	1.9	0.3	1.5	166
401431127	2011	8	13	12	V	3.4	0.6	1.65	227
401431127	2011	8	13	13	V	2.6	0.8	1.94	242
401431127	2011	8	13	14	V	3.2	0.5	1.98	291
401431127	2011	8	13	15	V	2.2	0.3	1.87	308
401431127	2011	8	13	16	V	2.6	0.2	2.59	18
401431127	2011	8	13	17	V	2.2	0.2	2.33	21
401431127	2011	8	13	18	V	6.8	0.2	2.59	36
401431127	2011	8	13	19	V	1.5	0.1	2.91	22
401431127	2011	8	13	20	V	1.9	0.1	2.15	26
401431127	2011	8	13	21	V	1.5	0.1	1.28	1
401431127	2011	8	13	22	V	1.2	0.1	0.74	340

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	13	23	C	-999	0.1	0	0
401431127	2011	8	13	24	V	2.6	0.1	0.55	271
401431127	2011	8	14	1	V	5.9	0.2	0.53	273
401431127	2011	8	14	2	C	-999	0.1	0	0
401431127	2011	8	14	3	V	4.6	0.1	0.69	296
401431127	2011	8	14	4	V	0.8	0.1	1.69	9
401431127	2011	8	14	5	V	0.7	0.1	2.93	13
401431127	2011	8	14	6	V	8.4	0.1	3	12
401431127	2011	8	14	7	V	0.9	0.1	2.88	15
401431127	2011	8	14	8	V	1.5	0.2	3.86	33
401431127	2011	8	14	9	V	4.6	0.3	3.35	41
401431127	2011	8	14	10	V	3.9	2	3.54	45
401431127	2011	8	14	11	V	2.4	4.7	3.12	36
401431127	2011	8	14	12	V	3.5	1.6	2.2	49
401431127	2011	8	14	13	V	3.4	0.5	2.18	51
401431127	2011	8	14	14	V	3.1	0.4	2.44	14
401431127	2011	8	14	15	V	2.0	0.5	2.95	8
401431127	2011	8	14	16	V	2.5	0.4	2.76	17
401431127	2011	8	14	17	V	2.2	0.4	2.38	14
401431127	2011	8	14	18	V	5.8	0.4	2.2	9
401431127	2011	8	14	19	V	3.7	2	2.52	39
401431127	2011	8	14	20	V	1.9	1.3	1.31	27
401431127	2011	8	14	21	V	1.6	0.6	0.8	10
401431127	2011	8	14	22	V	1.8	0.4	2.03	40
401431127	2011	8	14	23	V	0.7	0.3	2.08	35
401431127	2011	8	14	24	V	2.3	0.2	1.55	28
401431127	2011	8	15	1	V	5.8	0.1	0.84	67
401431127	2011	8	15	2	V	2.8	0.1	0.99	105
401431127	2011	8	15	3	V	4.4	0.1	1.67	113
401431127	2011	8	15	4	V	0.9	0.1	0.89	108
401431127	2011	8	15	5	V	0.9	0.1	0.84	187
401431127	2011	8	15	6	V	8.6	0.2	0.94	189
401431127	2011	8	15	7	V	1.0	0.2	1.2	183
401431127	2011	8	15	8	V	1.4	0.2	2.44	167
401431127	2011	8	15	9	V	1.4	0.3	3.91	166
401431127	2011	8	15	10	V	1.0	0.3	4.68	166
401431127	2011	8	15	11	V	1.6	0.3	4.44	161
401431127	2011	8	15	12	V	2.3	0.3	3.52	140
401431127	2011	8	15	13	V	2.4	0.3	4.2	132
401431127	2011	8	15	14	V	3.1	0.3	4.22	128
401431127	2011	8	15	15	V	2.0	0.4	4.92	121
401431127	2011	8	15	16	V	2.5	0.4	5.33	106
401431127	2011	8	15	17	V	2.1	0.5	5.72	118
401431127	2011	8	15	18	V	5.8	0.4	6.36	118
401431127	2011	8	15	19	V	1.5	0.4	5.05	130
401431127	2011	8	15	20	V	1.9	0.3	3.97	135

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	15	21	V	1.4	0.2	3.88	139
401431127	2011	8	15	22	V	1.0	0.3	4.68	139
401431127	2011	8	15	23	V	0.7	0.7	3.8	151
401431127	2011	8	15	24	V	2.2	0.3	3.51	162
401431127	2011	8	16	1	V	5.5	0.2	3.54	157
401431127	2011	8	16	2	V	2.6	0.2	3.12	160
401431127	2011	8	16	3	V	4.3	0.2	3.52	164
401431127	2011	8	16	4	V	0.7	0.2	3.18	168
401431127	2011	8	16	5	V	0.7	0.2	3.37	166
401431127	2011	8	16	6	V	8.3	0.1	3.2	166
401431127	2011	8	16	7	V	0.9	0.1	3.1	166
401431127	2011	8	16	8	V	1.2	0.2	4.15	166
401431127	2011	8	16	9	V	1.4	0.3	5.12	170
401431127	2011	8	16	10	V	1.0	0.3	5	170
401431127	2011	8	16	11	V	1.5	0.4	5.84	177
401431127	2011	8	16	12	V	2.2	0.4	6.02	182
401431127	2011	8	16	13	V	2.4	0.4	6.11	182
401431127	2011	8	16	14	V	3.0	0.3	6.3	174
401431127	2011	8	16	15	V	2.0	0.3	6.6	176
401431127	2011	8	16	16	V	2.5	0.3	6.38	181
401431127	2011	8	16	17	V	2.1	0.3	5.62	182
401431127	2011	8	16	18	V	5.8	0.2	4.56	169
401431127	2011	8	16	19	V	1.5	0.3	3.78	169
401431127	2011	8	16	20	V	1.9	0.2	2.71	172
401431127	2011	8	16	21	V	5.0	0.4	1.72	218
401431127	2011	8	16	22	M	-999	0.4	1.1	215
401431127	2011	8	16	23	M	-999	0.2	0.79	206
401431127	2011	8	16	24	M	-999	0.4	1.12	267
401431127	2011	8	17	1	M	-999	0.5	0.77	272
401431127	2011	8	17	2	V	2.8	0.4	0.79	255
401431127	2011	8	17	3	V	4.5	0.3	0.96	234
401431127	2011	8	17	4	V	1.0	0.2	0.94	227
401431127	2011	8	17	5	V	0.8	0.2	0.99	341
401431127	2011	8	17	6	V	8.5	0.2	0.8	283
401431127	2011	8	17	7	V	15.9	0.3	1.18	208
401431127	2011	8	17	8	V	5.8	2.4	1.06	220
401431127	2011	8	17	9	V	2.5	10.4	0.75	38
401431127	2011	8	17	10	V	1.9	8.5	0.63	43
401431127	2011	8	17	11	V	1.8	4.1	1.43	252
401431127	2011	8	17	12	V	2.3	1.2	2.5	243
401431127	2011	8	17	13	V	2.5	0.8	2.71	241
401431127	2011	8	17	14	V	3.2	0.7	2.06	242
401431127	2011	8	17	15	V	2.2	0.7	1.43	249
401431127	2011	8	17	16	V	2.7	0.8	0.92	266
401431127	2011	8	17	17	V	2.4	0.6	0.7	245
401431127	2011	8	17	18	V	6.0	0.5	0.57	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	17	19	V	1.8	0.3	0.62	298
401431127	2011	8	17	20	V	2.2	0.2	0.62	326
401431127	2011	8	17	21	V	1.5	0.2	0.89	359
401431127	2011	8	17	22	V	1.1	0.2	0.99	271
401431127	2011	8	17	23	V	0.8	0.1	1.25	31
401431127	2011	8	17	24	V	2.2	0.1	1.69	298
401431127	2011	8	18	1	V	6.3	0.1	3.2	228
401431127	2011	8	18	2	V	5.7	0.1	2.28	198
401431127	2011	8	18	3	V	4.4	0.1	2.79	187
401431127	2011	8	18	4	V	1.1	0.1	0.55	237
401431127	2011	8	18	5	V	0.9	0.1	0.67	244
401431127	2011	8	18	6	V	9.3	0.1	0.6	43
401431127	2011	8	18	7	V	1.4	0.1	0.89	232
401431127	2011	8	18	8	V	7.0	0.1	1.31	199
401431127	2011	8	18	9	V	1.6	0.1	1.98	174
401431127	2011	8	18	10	V	1.2	0.1	3.2	189
401431127	2011	8	18	11	V	2.3	0.8	4.09	196
401431127	2011	8	18	12	V	4.0	1.6	4.07	206
401431127	2011	8	18	13	V	3.5	1.9	4.07	210
401431127	2011	8	18	14	V	4.0	1.3	4.03	208
401431127	2011	8	18	15	V	2.7	1.1	3.4	215
401431127	2011	8	18	16	V	2.9	0.8	3.58	197
401431127	2011	8	18	17	V	2.2	0.6	3.9	187
401431127	2011	8	18	18	V	5.8	0.3	3.56	179
401431127	2011	8	18	19	V	1.5	0.3	3.61	166
401431127	2011	8	18	20	V	1.9	0.2	2.71	160
401431127	2011	8	18	21	V	1.4	0.2	2.93	168
401431127	2011	8	18	22	V	1.0	0.2	2.47	167
401431127	2011	8	18	23	V	0.7	0.2	2.23	167
401431127	2011	8	18	24	V	2.6	0.2	0.89	190
401431127	2011	8	19	1	V	5.7	0.2	1.94	192
401431127	2011	8	19	2	V	2.7	0.3	2.25	186
401431127	2011	8	19	3	V	4.4	0.4	2.37	186
401431127	2011	8	19	4	V	0.9	0.5	3.27	188
401431127	2011	8	19	5	V	3.9	0.8	2.49	199
401431127	2011	8	19	6	V	8.4	0.7	1.59	345
401431127	2011	8	19	7	V	0.9	0.5	1.2	178
401431127	2011	8	19	8	V	7.7	2.7	1.77	211
401431127	2011	8	19	9	V	1.4	3.9	3.51	184
401431127	2011	8	19	10	V	1.5	3.7	2.79	189
401431127	2011	8	19	11	V	1.6	4.9	2.95	176
401431127	2011	8	19	12	V	2.3	2.7	3.18	177
401431127	2011	8	19	13	V	2.9	2.5	3.52	194
401431127	2011	8	19	14	V	3.6	2.5	1.94	201
401431127	2011	8	19	15	V	2.1	3.8	1.99	163
401431127	2011	8	19	16	V	2.9	1.4	2.37	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	19	17	V	2.8	0.4	2.5	202
401431127	2011	8	19	18	V	5.8	0.3	2.32	176
401431127	2011	8	19	19	C	-999	0.4	0	0
401431127	2011	8	19	20	C	-999	0.4	0	0
401431127	2011	8	19	21	V	1.6	0.4	0.72	278
401431127	2011	8	19	22	V	1.3	0.3	0.55	266
401431127	2011	8	19	23	V	2.1	0.3	0.53	226
401431127	2011	8	19	24	V	2.3	0.2	1.18	176
401431127	2011	8	20	1	V	7.5	0.2	0.65	223
401431127	2011	8	20	2	V	4.4	0.3	0.7	223
401431127	2011	8	20	3	V	15.5	0.2	1.11	203
401431127	2011	8	20	4	V	12.7	0.2	1.26	203
401431127	2011	8	20	5	V	0.7	0.3	1.55	231
401431127	2011	8	20	6	V	8.6	0.3	0.68	278
401431127	2011	8	20	7	V	1.0	0.2	0.82	316
401431127	2011	8	20	8	V	1.4	0.2	2.37	22
401431127	2011	8	20	9	V	1.8	0.2	1.99	72
401431127	2011	8	20	10	V	1.1	0.2	2.15	127
401431127	2011	8	20	11	V	1.8	0.4	2.01	178
401431127	2011	8	20	12	V	2.6	1.7	2.11	232
401431127	2011	8	20	13	V	2.8	0.9	0.79	304
401431127	2011	8	20	14	V	3.4	0.6	1.04	12
401431127	2011	8	20	15	V	2.3	0.5	0.92	338
401431127	2011	8	20	16	V	2.6	0.5	1.31	351
401431127	2011	8	20	17	V	2.1	0.4	3.97	4
401431127	2011	8	20	18	V	5.8	0.2	4.34	17
401431127	2011	8	20	19	V	1.5	0.2	2.37	24
401431127	2011	8	20	20	V	1.9	0.1	2.42	30
401431127	2011	8	20	21	V	1.4	0.1	2.61	33
401431127	2011	8	20	22	V	7.9	0.1	2.69	46
401431127	2011	8	20	23	V	9.2	0.1	2.37	46
401431127	2011	8	20	24	V	2.2	0.1	2.59	71
401431127	2011	8	21	1	V	5.6	0.1	1.96	158
401431127	2011	8	21	2	V	14.7	0.1	1.25	203
401431127	2011	8	21	3	V	4.4	0.1	1.31	183
401431127	2011	8	21	4	V	1.0	0.1	1.99	193
401431127	2011	8	21	5	V	9.8	0.1	1.03	202
401431127	2011	8	21	6	V	18.2	0.1	1.09	215
401431127	2011	8	21	7	V	1.2	0.1	0.58	269
401431127	2011	8	21	8	V	2.2	0.1	0.82	316
401431127	2011	8	21	9	V	2.0	0.1	1.79	183
401431127	2011	8	21	10	V	1.3	0.1	1.94	171
401431127	2011	8	21	11	V	1.7	0.2	2.33	152
401431127	2011	8	21	12	V	2.4	0.5	1.96	135
401431127	2011	8	21	13	V	2.5	0.8	2.11	163
401431127	2011	8	21	14	V	3.1	0.9	2.93	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	21	15	V	2.1	0.8	3.17	172
401431127	2011	8	21	16	V	2.7	0.5	3.27	190
401431127	2011	8	21	17	V	2.3	0.3	2.61	182
401431127	2011	8	21	18	V	5.9	0.8	2.45	181
401431127	2011	8	21	19	V	1.6	1.4	2.5	167
401431127	2011	8	21	20	V	1.9	0.8	2.32	164
401431127	2011	8	21	21	V	1.4	0.3	2.35	172
401431127	2011	8	21	22	V	1.0	0.2	1.62	161
401431127	2011	8	21	23	V	0.8	0.2	1.94	176
401431127	2011	8	21	24	V	2.2	0.1	2.15	165
401431127	2011	8	22	1	V	5.6	0.1	1.55	148
401431127	2011	8	22	2	V	2.9	0.1	0.8	116
401431127	2011	8	22	3	V	4.5	0.1	1.18	119
401431127	2011	8	22	4	V	2.7	0.1	0.92	196
401431127	2011	8	22	5	V	9.3	0.1	0.92	215
401431127	2011	8	22	6	V	27.5	0.1	1.23	208
401431127	2011	8	22	7	V	1.0	0.1	1.69	259
401431127	2011	8	22	8	V	2.5	0.1	0.58	354
401431127	2011	8	22	9	V	2.1	0.1	1.13	331
401431127	2011	8	22	10	V	1.5	-999	1.35	17
401431127	2011	8	22	11	V	2.4	-999	1.59	26
401431127	2011	8	22	12	V	5.3	-999	2.57	50
401431127	2011	8	22	13	V	2.6	0.1	2.32	73
401431127	2011	8	22	14	V	3.2	0.1	3.03	69
401431127	2011	8	22	15	V	2.4	0.1	4.66	59
401431127	2011	8	22	16	V	2.5	0.1	4.27	79
401431127	2011	8	22	17	V	2.1	0.1	4.54	115
401431127	2011	8	22	18	V	5.8	0.2	4.82	122
401431127	2011	8	22	19	V	1.6	0.3	4.56	125
401431127	2011	8	22	20	V	1.9	0.4	3.98	123
401431127	2011	8	22	21	V	1.4	0.3	3.1	133
401431127	2011	8	22	22	V	1.0	0.3	2.27	162
401431127	2011	8	22	23	V	0.7	0.9	2.37	169
401431127	2011	8	22	24	V	2.2	0.5	3.03	173
401431127	2011	8	23	1	V	5.6	0.4	2.55	168
401431127	2011	8	23	2	V	2.7	0.3	1.72	146
401431127	2011	8	23	3	V	4.4	0.2	2.44	161
401431127	2011	8	23	4	V	0.8	0.2	1.93	169
401431127	2011	8	23	5	V	0.8	0.1	0.92	177
401431127	2011	8	23	6	V	8.5	0.2	1.04	175
401431127	2011	8	23	7	V	1.0	0.1	0.89	179
401431127	2011	8	23	8	V	1.9	0.1	1.43	181
401431127	2011	8	23	9	V	4.6	0.1	2.03	196
401431127	2011	8	23	10	V	3.2	0.1	1.69	192
401431127	2011	8	23	11	V	1.6	0.1	2.91	151
401431127	2011	8	23	12	V	2.3	0.1	3.78	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	23	13	V	2.4	0.2	4.05	168
401431127	2011	8	23	14	V	3.1	0.2	3.81	171
401431127	2011	8	23	15	V	2.0	0.2	4.22	161
401431127	2011	8	23	16	V	2.5	0.2	4.12	157
401431127	2011	8	23	17	V	2.1	0.1	3.9	148
401431127	2011	8	23	18	V	5.8	0.1	3.88	160
401431127	2011	8	23	19	V	1.6	0.2	3.71	162
401431127	2011	8	23	20	V	1.9	0.1	3.76	163
401431127	2011	8	23	21	V	1.4	0.2	4.07	163
401431127	2011	8	23	22	V	1.0	0.2	4.76	167
401431127	2011	8	23	23	V	0.7	0.2	3.86	175
401431127	2011	8	23	24	V	2.2	0.2	2.84	181
401431127	2011	8	24	1	V	5.8	0.2	3.76	189
401431127	2011	8	24	2	V	3.3	0.2	3.05	193
401431127	2011	8	24	3	V	14.0	0.5	1.87	202
401431127	2011	8	24	4	V	0.9	1.4	2.03	192
401431127	2011	8	24	5	V	0.7	1.2	1.62	185
401431127	2011	8	24	6	V	8.5	1	1.43	190
401431127	2011	8	24	7	V	0.9	1.1	1.79	178
401431127	2011	8	24	8	V	1.4	1.2	3.08	186
401431127	2011	8	24	9	V	4.7	1.1	3.03	202
401431127	2011	8	24	10	V	2.2	0.7	3.95	214
401431127	2011	8	24	11	V	2.7	0.5	3.98	214
401431127	2011	8	24	12	V	3.5	0.4	4	210
401431127	2011	8	24	13	V	3.5	0.3	3.81	213
401431127	2011	8	24	14	V	3.8	0.3	3.83	215
401431127	2011	8	24	15	V	2.8	0.7	2.38	215
401431127	2011	8	24	16	V	2.8	1.3	3.23	192
401431127	2011	8	24	17	V	2.2	0.8	4.36	182
401431127	2011	8	24	18	V	5.8	0.3	3.23	173
401431127	2011	8	24	19	V	1.6	0.3	1.7	164
401431127	2011	8	24	20	V	1.9	0.2	3.34	137
401431127	2011	8	24	21	V	1.5	0.2	3.73	188
401431127	2011	8	24	22	V	1.1	0.3	2.98	189
401431127	2011	8	24	23	V	1.2	0.4	1.06	191
401431127	2011	8	24	24	V	2.3	0.3	1.16	153
401431127	2011	8	25	1	V	5.6	0.3	2.03	166
401431127	2011	8	25	2	V	2.7	0.3	2.08	166
401431127	2011	8	25	3	V	4.4	0.2	1.82	143
401431127	2011	8	25	4	V	0.8	0.1	1.47	147
401431127	2011	8	25	5	V	0.8	0.1	1.13	7
401431127	2011	8	25	6	V	8.4	0.1	1.28	6
401431127	2011	8	25	7	V	0.9	0.2	1.88	20
401431127	2011	8	25	8	V	1.9	0.4	3.95	36
401431127	2011	8	25	9	V	2.6	0.7	5.36	41
401431127	2011	8	25	10	V	1.7	0.6	5.05	56

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	25	11	V	4.8	0.5	4.63	49
401431127	2011	8	25	12	V	4.0	0.7	4.51	54
401431127	2011	8	25	13	V	5.3	10.2	4.87	45
401431127	2011	8	25	14	V	6.2	8.4	4.71	47
401431127	2011	8	25	15	V	2.5	6.6	4.27	35
401431127	2011	8	25	16	V	2.5	6.4	3.97	20
401431127	2011	8	25	17	V	2.2	1.8	3.73	19
401431127	2011	8	25	18	V	5.8	3.1	4.03	24
401431127	2011	8	25	19	V	1.6	4.5	3.44	27
401431127	2011	8	25	20	V	2.0	3.1	1.18	1
401431127	2011	8	25	21	V	1.5	1.4	0.87	343
401431127	2011	8	25	22	V	1.0	0.8	1.62	1
401431127	2011	8	25	23	V	0.7	0.5	1.79	9
401431127	2011	8	25	24	V	2.2	0.3	2.17	12
401431127	2011	8	26	1	V	5.6	0.2	1.51	13
401431127	2011	8	26	2	V	2.7	0.2	1.37	4
401431127	2011	8	26	3	M	-999	0.1	1.01	2
401431127	2011	8	26	4	M	-999	0.1	1.69	9
401431127	2011	8	26	5	M	-999	0.1	1.45	16
401431127	2011	8	26	6	M	-999	0.1	1.38	10
401431127	2011	8	26	7	M	-999	0.2	1.26	30
401431127	2011	8	26	8	V	2.0	0.2	0.92	22
401431127	2011	8	26	9	V	1.6	1.1	1.79	118
401431127	2011	8	26	10	V	1.2	1	1.7	134
401431127	2011	8	26	11	V	1.8	0.6	1.57	133
401431127	2011	8	26	12	V	2.7	0.3	1.26	67
401431127	2011	8	26	13	V	2.7	0.3	1.7	27
401431127	2011	8	26	14	V	3.2	0.4	1.5	136
401431127	2011	8	26	15	V	2.8	0.8	1.87	43
401431127	2011	8	26	16	V	2.5	0.8	2.3	109
401431127	2011	8	26	17	V	2.2	0.9	2.06	90
401431127	2011	8	26	18	V	5.8	1.1	2.67	86
401431127	2011	8	26	19	V	1.6	0.8	2.11	96
401431127	2011	8	26	20	M	-999	0.4	1.31	33
401431127	2011	8	26	21	M	-999	0.3	1.28	31
401431127	2011	8	26	22	M	-999	0.2	0.8	355
401431127	2011	8	26	23	M	-999	0.2	0.67	245
401431127	2011	8	26	24	M	-999	0.2	0.57	268
401431127	2011	8	27	1	M	-999	0.1	0.84	282
401431127	2011	8	27	2	C	-999	0.1	0	0
401431127	2011	8	27	3	V	4.6	0.2	0.63	244
401431127	2011	8	27	4	C	-999	0.1	0	0
401431127	2011	8	27	5	M	-999	0.2	0.74	305
401431127	2011	8	27	6	M	-999	0.2	0.55	346
401431127	2011	8	27	7	M	-999	0.1	1.74	19
401431127	2011	8	27	8	M	-999	0.1	0.92	106

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	27	9	M	-999	0.2	1.14	199
401431127	2011	8	27	10	M	-999	2.9	0.96	211
401431127	2011	8	27	11	M	-999	3.8	1.72	210
401431127	2011	8	27	12	M	-999	3.6	1.43	234
401431127	2011	8	27	13	M	-999	1.2	1.87	90
401431127	2011	8	27	14	M	-999	0.8	1.7	86
401431127	2011	8	27	15	M	-999	0.9	1.93	84
401431127	2011	8	27	16	M	-999	0.8	1.98	82
401431127	2011	8	27	17	M	-999	0.7	2.33	79
401431127	2011	8	27	18	M	-999	0.6	2.64	63
401431127	2011	8	27	19	V	1.6	0.5	1.54	87
401431127	2011	8	27	20	V	1.9	0.4	1.94	92
401431127	2011	8	27	21	V	1.6	0.3	0.84	90
401431127	2011	8	27	22	V	1.2	0.3	0.69	323
401431127	2011	8	27	23	V	1.1	0.2	0.57	274
401431127	2011	8	27	24	C	-999	0.2	0	0
401431127	2011	8	28	1	M	-999	0.2	0.75	312
401431127	2011	8	28	2	C	-999	0.2	0	0
401431127	2011	8	28	3	C	-999	0.2	0	0
401431127	2011	8	28	4	V	1.0	0.1	0.63	264
401431127	2011	8	28	5	V	1.0	0.1	0.55	302
401431127	2011	8	28	6	V	8.5	0.1	1.03	321
401431127	2011	8	28	7	V	2.9	0.1	0.7	48
401431127	2011	8	28	8	V	1.5	0.2	1.55	108
401431127	2011	8	28	9	V	1.4	0.2	3.03	153
401431127	2011	8	28	10	V	1.0	0.5	3.59	173
401431127	2011	8	28	11	V	1.6	0.7	5.09	172
401431127	2011	8	28	12	V	2.2	0.7	4.41	168
401431127	2011	8	28	13	V	2.4	0.5	3.78	163
401431127	2011	8	28	14	V	3.1	0.5	3.69	156
401431127	2011	8	28	15	V	2.0	0.7	3.56	164
401431127	2011	8	28	16	V	2.5	0.8	3.68	154
401431127	2011	8	28	17	V	2.1	0.9	4.02	135
401431127	2011	8	28	18	V	5.8	1	4.2	131
401431127	2011	8	28	19	V	1.6	1	3.03	125
401431127	2011	8	28	20	V	1.9	0.6	2.38	108
401431127	2011	8	28	21	V	1.4	0.3	2.15	132
401431127	2011	8	28	22	V	1.1	0.2	1.16	157
401431127	2011	8	28	23	V	0.7	0.3	2.88	161
401431127	2011	8	28	24	V	2.2	0.3	1.98	142
401431127	2011	8	29	1	V	6.2	0.2	1.45	195
401431127	2011	8	29	2	V	2.7	0.2	1.4	101
401431127	2011	8	29	3	V	4.4	0.3	2.42	134
401431127	2011	8	29	4	V	0.7	0.4	4.83	77
401431127	2011	8	29	5	V	0.6	0.5	4.97	126
401431127	2011	8	29	6	V	8.3	0.3	4.65	148

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	29	7	V	0.8	0.4	5.58	162
401431127	2011	8	29	8	V	1.2	0.3	6.77	166
401431127	2011	8	29	9	V	1.3	0.2	8.22	174
401431127	2011	8	29	10	V	0.9	0.2	8.9	171
401431127	2011	8	29	11	V	1.5	0.2	7.03	174
401431127	2011	8	29	12	V	2.2	0.2	6.59	185
401431127	2011	8	29	13	V	2.9	0.3	6.06	199
401431127	2011	8	29	14	V	3.2	0.4	5.17	191
401431127	2011	8	29	15	V	2.0	0.4	5.11	185
401431127	2011	8	29	16	V	2.5	0.4	5.6	189
401431127	2011	8	29	17	V	2.4	0.6	4.08	193
401431127	2011	8	29	18	V	6.0	0.5	3.71	193
401431127	2011	8	29	19	V	1.6	0.4	3.08	177
401431127	2011	8	29	20	V	1.9	0.4	3.25	145
401431127	2011	8	29	21	V	1.4	0.4	2.93	152
401431127	2011	8	29	22	V	1.0	0.3	3	151
401431127	2011	8	29	23	V	0.7	0.3	2.88	148
401431127	2011	8	29	24	V	2.2	0.3	2.84	149
401431127	2011	8	30	1	V	5.5	0.2	3.27	151
401431127	2011	8	30	2	V	2.6	0.2	3.98	160
401431127	2011	8	30	3	V	4.3	0.2	3.8	158
401431127	2011	8	30	4	V	0.7	0.1	4.34	161
401431127	2011	8	30	5	V	0.6	0.2	4.07	159
401431127	2011	8	30	6	V	8.3	0.1	4.57	161
401431127	2011	8	30	7	V	0.9	0.2	4.03	156
401431127	2011	8	30	8	V	1.2	0.2	3.81	163
401431127	2011	8	30	9	V	1.4	0.3	3.46	153
401431127	2011	8	30	10	V	1.0	0.5	4.58	163
401431127	2011	8	30	11	V	1.5	0.8	5.77	169
401431127	2011	8	30	12	V	2.2	1.1	5.94	171
401431127	2011	8	30	13	V	2.4	1.3	6.48	181
401431127	2011	8	30	14	V	3.0	1.1	5.68	172
401431127	2011	8	30	15	V	2.0	1	6.67	180
401431127	2011	8	30	16	V	2.5	1	7.14	179
401431127	2011	8	30	17	V	2.1	1	6.48	174
401431127	2011	8	30	18	V	5.8	0.9	5.12	154
401431127	2011	8	30	19	V	1.5	0.8	4.61	148
401431127	2011	8	30	20	V	1.9	0.8	3.73	152
401431127	2011	8	30	21	V	1.4	0.8	3.24	148
401431127	2011	8	30	22	V	1.0	0.9	2.59	148
401431127	2011	8	30	23	V	0.7	0.9	2.54	151
401431127	2011	8	30	24	V	2.2	1.1	2.71	165
401431127	2011	8	31	1	V	5.6	1.4	3.12	181
401431127	2011	8	31	2	V	2.6	1.6	3.05	180
401431127	2011	8	31	3	V	4.3	1.3	3.12	179
401431127	2011	8	31	4	V	0.7	1	3.47	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	8	31	5	V	0.6	0.8	3.08	179
401431127	2011	8	31	6	V	8.3	0.8	3.29	170
401431127	2011	8	31	7	V	0.9	1	3.12	173
401431127	2011	8	31	8	V	1.3	1.3	3.54	171
401431127	2011	8	31	9	V	1.4	1.3	4.85	187
401431127	2011	8	31	10	V	1.0	1.2	5.87	190
401431127	2011	8	31	11	V	2.1	1.7	5.9	199
401431127	2011	8	31	12	V	2.5	1.5	6.58	197
401431127	2011	8	31	13	V	2.6	1.2	6.43	195
401431127	2011	8	31	14	V	3.0	0.8	6.31	184
401431127	2011	8	31	15	V	2.0	0.6	6.46	187
401431127	2011	8	31	16	V	2.5	0.5	6.31	184
401431127	2011	8	31	17	V	2.1	0.5	6.28	180
401431127	2011	8	31	18	V	5.8	0.4	5.72	181
401431127	2011	8	31	19	V	1.6	0.5	3.51	175
401431127	2011	8	31	20	V	1.9	0.5	3.05	170
401431127	2011	8	31	21	V	1.4	0.4	2.54	178
401431127	2011	8	31	22	V	1.0	0.4	2.1	185
401431127	2011	8	31	23	V	2.5	0.4	1.38	197
401431127	2011	8	31	24	V	2.3	0.4	1.47	188
401431127	2011	9	1	1	V	1.3	0.5	1.93	178
401431127	2011	9	1	2	V	1.6	0.7	2.15	178
401431127	2011	9	1	3	V	1.0	1.2	2.1	167
401431127	2011	9	1	4	V	1.6	1.4	1.3	96
401431127	2011	9	1	5	V	1.9	1.1	1.16	124
401431127	2011	9	1	6	C	-999	0.8	0	0
401431127	2011	9	1	7	V	1.5	0.8	1.96	166
401431127	2011	9	1	8	V	2.8	0.9	2.5	178
401431127	2011	9	1	9	V	2.0	1.4	4.37	195
401431127	2011	9	1	10	V	2.3	5.2	3.41	204
401431127	2011	9	1	11	V	3.3	4.5	3.12	206
401431127	2011	9	1	12	V	2.8	2.5	5	188
401431127	2011	9	1	13	V	5.3	1	4.77	186
401431127	2011	9	1	14	V	3.0	0.7	4.71	186
401431127	2011	9	1	15	V	2.3	0.7	4.14	185
401431127	2011	9	1	16	V	2.8	0.7	4.39	167
401431127	2011	9	1	17	V	4.2	1	5.45	166
401431127	2011	9	1	18	V	4.0	0.9	4.9	164
401431127	2011	9	1	19	V	2.3	0.5	3.44	157
401431127	2011	9	1	20	V	2.6	0.5	2.81	148
401431127	2011	9	1	21	V	2.1	0.5	3.54	147
401431127	2011	9	1	22	V	2.3	0.6	2.23	167
401431127	2011	9	1	23	V	2.4	0.5	1.57	174
401431127	2011	9	1	24	V	2.0	0.4	1.2	158
401431127	2011	9	2	1	V	7.4	0.4	0.89	217
401431127	2011	9	2	2	V	1.6	0.4	1.67	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	2	3	V	18.1	0.4	1.2	212
401431127	2011	9	2	4	C	-999	0.4	0	0
401431127	2011	9	2	5	V	3.0	0.4	0.53	227
401431127	2011	9	2	6	C	-999	0.4	0	0
401431127	2011	9	2	7	C	-999	0.5	0	0
401431127	2011	9	2	8	V	3.6	0.5	0.91	259
401431127	2011	9	2	9	V	2.4	0.6	2.96	193
401431127	2011	9	2	10	V	1.7	0.7	4.7	192
401431127	2011	9	2	11	V	2.8	0.7	4.36	189
401431127	2011	9	2	12	V	2.7	0.5	4.48	180
401431127	2011	9	2	13	V	5.3	0.5	4	179
401431127	2011	9	2	14	V	2.9	0.4	4.17	173
401431127	2011	9	2	15	V	2.2	0.4	4.8	148
401431127	2011	9	2	16	V	2.9	0.4	3.91	166
401431127	2011	9	2	17	V	4.2	0.4	3.98	150
401431127	2011	9	2	18	V	4.0	0.5	4.41	137
401431127	2011	9	2	19	V	2.3	0.7	3.78	125
401431127	2011	9	2	20	V	2.6	0.5	2.22	131
401431127	2011	9	2	21	V	2.1	0.3	2.44	144
401431127	2011	9	2	22	V	2.3	0.4	2.03	142
401431127	2011	9	2	23	V	2.4	0.8	2.28	138
401431127	2011	9	2	24	V	1.9	0.7	2.71	144
401431127	2011	9	3	1	V	1.3	0.3	2.67	148
401431127	2011	9	3	2	V	1.6	0.2	1.69	165
401431127	2011	9	3	3	V	1.1	0.2	1.33	176
401431127	2011	9	3	4	V	1.6	0.1	1.55	173
401431127	2011	9	3	5	V	8.0	0.1	1.31	200
401431127	2011	9	3	6	V	3.3	0.1	1.03	221
401431127	2011	9	3	7	V	1.6	0.2	1.3	231
401431127	2011	9	3	8	V	8.5	0.2	1.82	200
401431127	2011	9	3	9	V	1.8	0.3	2.54	183
401431127	2011	9	3	10	V	1.9	1.6	3.47	190
401431127	2011	9	3	11	V	3.0	1.8	3.4	189
401431127	2011	9	3	12	V	2.9	0.9	2.33	172
401431127	2011	9	3	13	V	5.3	0.5	3.08	113
401431127	2011	9	3	14	V	3.0	0.3	2.03	114
401431127	2011	9	3	15	V	2.2	0.2	3.3	111
401431127	2011	9	3	16	V	2.9	0.2	3.47	101
401431127	2011	9	3	17	V	4.2	0.7	3.29	118
401431127	2011	9	3	18	V	4.0	1.4	3.44	111
401431127	2011	9	3	19	V	2.3	1.6	3.25	98
401431127	2011	9	3	20	V	2.6	1.2	2.71	100
401431127	2011	9	3	21	V	2.1	0.5	1.65	154
401431127	2011	9	3	22	V	2.4	0.4	1.14	113
401431127	2011	9	3	23	V	2.4	0.4	1.55	113
401431127	2011	9	3	24	V	1.9	0.2	1.77	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	4	1	V	1.3	0.2	3.13	13
401431127	2011	9	4	2	V	1.6	0.1	4.12	2
401431127	2011	9	4	3	V	1.0	0.1	6.14	14
401431127	2011	9	4	4	V	1.5	0.1	6.26	17
401431127	2011	9	4	5	V	1.7	0.2	6.07	17
401431127	2011	9	4	6	V	1.5	0.2	6.01	15
401431127	2011	9	4	7	V	1.5	0.2	6.02	11
401431127	2011	9	4	8	V	2.6	0.1	6.47	7
401431127	2011	9	4	9	V	1.5	0.1	6.82	11
401431127	2011	9	4	10	V	1.4	0.3	7.86	22
401431127	2011	9	4	11	V	2.6	0.4	7.59	23
401431127	2011	9	4	12	V	2.7	0.3	6.55	18
401431127	2011	9	4	13	V	5.2	0.4	6.21	16
401431127	2011	9	4	14	V	2.9	0.5	7.71	24
401431127	2011	9	4	15	V	2.2	0.5	7.23	21
401431127	2011	9	4	16	V	2.8	0.4	6.16	10
401431127	2011	9	4	17	V	4.2	0.4	5.92	13
401431127	2011	9	4	18	V	4.0	0.4	5.82	12
401431127	2011	9	4	19	V	2.2	0.4	5.87	16
401431127	2011	9	4	20	V	2.6	0.2	4.39	10
401431127	2011	9	4	21	V	2.1	0.2	3.95	14
401431127	2011	9	4	22	V	2.3	0.2	4.27	15
401431127	2011	9	4	23	V	2.4	0.2	3.91	15
401431127	2011	9	4	24	V	1.9	0.2	3.78	14
401431127	2011	9	5	1	V	1.3	0.2	3.86	10
401431127	2011	9	5	2	V	1.5	0.2	4.51	10
401431127	2011	9	5	3	V	1.0	0.2	4.51	12
401431127	2011	9	5	4	V	1.5	0.3	4.34	10
401431127	2011	9	5	5	V	1.8	0.4	4.17	13
401431127	2011	9	5	6	V	1.5	0.5	3.91	15
401431127	2011	9	5	7	V	1.5	0.4	3.93	17
401431127	2011	9	5	8	V	2.7	0.5	4.37	21
401431127	2011	9	5	9	V	1.5	0.5	4.59	19
401431127	2011	9	5	10	V	1.4	0.9	5.31	19
401431127	2011	9	5	11	V	2.6	0.2	6.26	27
401431127	2011	9	5	12	V	2.7	0.2	6.09	15
401431127	2011	9	5	13	V	5.3	0.2	6.07	26
401431127	2011	9	5	14	V	2.9	0.2	6.01	26
401431127	2011	9	5	15	V	2.2	0.2	5.02	17
401431127	2011	9	5	16	V	2.8	0.1	5.28	20
401431127	2011	9	5	17	V	4.2	0.1	4.88	14
401431127	2011	9	5	18	V	4.0	0.1	4.58	17
401431127	2011	9	5	19	V	2.3	0.1	3	25
401431127	2011	9	5	20	V	2.6	0.1	1.81	13
401431127	2011	9	5	21	V	2.1	0.1	1.54	10
401431127	2011	9	5	22	V	2.3	0.2	1.53	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	5	23	V	2.4	0.1	1.67	12
401431127	2011	9	5	24	V	1.9	0.1	2.49	30
401431127	2011	9	6	1	V	1.3	0	2.49	26
401431127	2011	9	6	2	V	1.6	0	1.33	357
401431127	2011	9	6	3	V	1.0	0	1.47	353
401431127	2011	9	6	4	V	1.5	0	1.59	3
401431127	2011	9	6	5	V	1.8	0	1.26	1
401431127	2011	9	6	6	V	1.6	0.1	1.16	10
401431127	2011	9	6	7	V	1.6	0.2	1.4	13
401431127	2011	9	6	8	V	3.2	0.1	2.27	30
401431127	2011	9	6	9	V	1.6	1.8	3.3	80
401431127	2011	9	6	10	V	1.5	4.7	2.47	87
401431127	2011	9	6	11	V	2.8	0.5	3.05	65
401431127	2011	9	6	12	V	3.2	1.1	2.11	49
401431127	2011	9	6	13	V	5.3	2.1	2.4	9
401431127	2011	9	6	14	V	3.6	0.8	2.84	44
401431127	2011	9	6	15	V	2.8	0.9	2.86	40
401431127	2011	9	6	16	V	3.0	1.4	2.32	23
401431127	2011	9	6	17	V	4.2	0.9	2.74	18
401431127	2011	9	6	18	V	4.1	1.9	3.2	30
401431127	2011	9	6	19	V	2.3	3.3	1.5	19
401431127	2011	9	6	20	V	2.7	1.1	0.77	342
401431127	2011	9	6	21	V	2.3	0.5	0.67	293
401431127	2011	9	6	22	V	2.7	0.4	0.52	258
401431127	2011	9	6	23	V	2.7	0.3	0.58	323
401431127	2011	9	6	24	V	1.9	0.2	2.01	11
401431127	2011	9	7	1	V	1.3	0.2	2.11	11
401431127	2011	9	7	2	V	1.6	0.1	1.3	8
401431127	2011	9	7	3	V	1.0	0.1	1.91	9
401431127	2011	9	7	4	V	1.5	0.1	1.96	7
401431127	2011	9	7	5	C	-999	0.1	0	0
401431127	2011	9	7	6	V	1.5	0.1	1.45	20
401431127	2011	9	7	7	V	1.6	0.3	1.03	335
401431127	2011	9	7	8	V	3.6	0.2	1.65	34
401431127	2011	9	7	9	V	1.8	0.2	1.6	10
401431127	2011	9	7	10	V	1.6	0.3	1.81	7
401431127	2011	9	7	11	V	2.9	0.6	2.16	26
401431127	2011	9	7	12	V	2.9	-999	3.32	31
401431127	2011	9	7	13	V	5.3	-999	3.3	11
401431127	2011	9	7	14	V	2.9	-999	3.18	10
401431127	2011	9	7	15	V	2.2	-999	3.42	15
401431127	2011	9	7	16	V	2.9	-999	2.86	13
401431127	2011	9	7	17	V	4.2	-999	3.61	12
401431127	2011	9	7	18	V	4.0	-999	3.18	8
401431127	2011	9	7	19	V	2.3	-999	1.91	352
401431127	2011	9	7	20	V	2.6	-999	1.14	328

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	7	21	V	2.2	-999	0.74	284
401431127	2011	9	7	22	V	2.5	-999	0.65	269
401431127	2011	9	7	23	V	2.7	-999	0.58	246
401431127	2011	9	7	24	V	2.3	-999	0.52	283
401431127	2011	9	8	1	V	1.6	-999	0.58	261
401431127	2011	9	8	2	V	2.3	-999	0.79	225
401431127	2011	9	8	3	V	1.1	-999	1.03	25
401431127	2011	9	8	4	V	1.9	-999	0.53	277
401431127	2011	9	8	5	V	2.1	-999	0.96	226
401431127	2011	9	8	6	V	1.7	-999	0.63	283
401431127	2011	9	8	7	C	-999	-999	0	0
401431127	2011	9	8	8	V	2.8	-999	2.42	23
401431127	2011	9	8	9	V	1.5	-999	3.68	10
401431127	2011	9	8	10	V	1.5	-999	3.25	17
401431127	2011	9	8	11	V	2.7	-999	3.54	28
401431127	2011	9	8	12	V	2.7	-999	3.05	12
401431127	2011	9	8	13	V	5.3	-999	3.3	16
401431127	2011	9	8	14	V	3.0	-999	3.49	22
401431127	2011	9	8	15	V	2.2	-999	3.07	14
401431127	2011	9	8	16	V	2.9	-999	2.95	25
401431127	2011	9	8	17	V	4.2	0.7	3.27	18
401431127	2011	9	8	18	V	4.0	0.6	2.95	15
401431127	2011	9	8	19	V	2.3	0.5	1.48	359
401431127	2011	9	8	20	V	2.7	0.4	0.86	313
401431127	2011	9	8	21	V	2.3	0.4	0.6	289
401431127	2011	9	8	22	V	11.4	0.4	0.65	211
401431127	2011	9	8	23	C	-999	0.6	0	0
401431127	2011	9	8	24	C	-999	0.6	0	0
401431127	2011	9	9	1	V	1.5	0.4	0.72	351
401431127	2011	9	9	2	V	1.9	0.3	0.55	313
401431127	2011	9	9	3	V	1.4	0.3	0.53	98
401431127	2011	9	9	4	C	-999	0.2	0	0
401431127	2011	9	9	5	C	-999	0.3	0	0
401431127	2011	9	9	6	V	1.8	0.6	0.62	234
401431127	2011	9	9	7	V	1.8	1.4	0.57	265
401431127	2011	9	9	8	C	-999	1.6	0	0
401431127	2011	9	9	9	V	2.7	0.3	1.35	56
401431127	2011	9	9	10	V	1.5	0.4	1.93	1
401431127	2011	9	9	11	V	2.7	0.5	2.35	304
401431127	2011	9	9	12	V	2.7	0.3	2.61	354
401431127	2011	9	9	13	V	5.3	0.2	2.28	359
401431127	2011	9	9	14	V	3.0	0.2	2.16	18
401431127	2011	9	9	15	V	2.2	0.3	3.12	357
401431127	2011	9	9	16	V	3.1	0.4	2.49	51
401431127	2011	9	9	17	V	4.4	0.3	1.18	277
401431127	2011	9	9	18	V	4.6	0.4	1.28	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	9	19	V	2.3	0.4	1.2	246
401431127	2011	9	9	20	V	2.6	0.6	1.28	266
401431127	2011	9	9	21	V	2.1	0.2	1.08	310
401431127	2011	9	9	22	V	13.9	0.2	0.8	208
401431127	2011	9	9	23	V	2.6	0.6	0.6	255
401431127	2011	9	9	24	V	2.0	0.5	0.96	280
401431127	2011	9	10	1	V	1.3	0.3	1.2	305
401431127	2011	9	10	2	V	1.6	0.1	1.76	338
401431127	2011	9	10	3	V	1.0	0.1	1.21	335
401431127	2011	9	10	4	V	1.8	0.1	0.63	275
401431127	2011	9	10	5	V	1.8	0.1	0.99	264
401431127	2011	9	10	6	V	1.7	0.1	0.7	285
401431127	2011	9	10	7	V	1.8	0.2	0.82	228
401431127	2011	9	10	8	V	4.6	0.1	0.97	232
401431127	2011	9	10	9	V	1.6	0.1	2.52	309
401431127	2011	9	10	10	V	1.5	0.1	2.56	319
401431127	2011	9	10	11	V	2.7	0.1	3.35	315
401431127	2011	9	10	12	V	2.7	0.1	3.01	301
401431127	2011	9	10	13	V	5.3	0.1	2.72	291
401431127	2011	9	10	14	V	2.9	0.1	3.49	358
401431127	2011	9	10	15	V	2.3	0.2	1.54	88
401431127	2011	9	10	16	V	3.0	0.2	1.99	36
401431127	2011	9	10	17	V	4.3	0.1	2.33	23
401431127	2011	9	10	18	V	4.0	0.1	1.74	356
401431127	2011	9	10	19	V	2.3	0.1	1.72	343
401431127	2011	9	10	20	V	2.7	0.2	0.99	324
401431127	2011	9	10	21	V	2.2	0.2	0.72	293
401431127	2011	9	10	22	V	2.5	0.1	0.63	334
401431127	2011	9	10	23	V	2.8	0.3	0.52	285
401431127	2011	9	10	24	V	2.0	0.3	1.13	355
401431127	2011	9	11	1	V	1.4	0.2	0.94	267
401431127	2011	9	11	2	V	1.6	0	1.88	359
401431127	2011	9	11	3	V	1.0	0	1.5	348
401431127	2011	9	11	4	V	1.7	0	0.75	263
401431127	2011	9	11	5	V	2.0	0	0.6	268
401431127	2011	9	11	6	C	-999	0.1	0	0
401431127	2011	9	11	7	V	1.6	0.1	1.08	325
401431127	2011	9	11	8	V	2.7	0.1	2.4	12
401431127	2011	9	11	9	V	1.6	0.4	2.28	11
401431127	2011	9	11	10	V	1.5	0.7	2.84	22
401431127	2011	9	11	11	V	2.7	0.9	2.76	14
401431127	2011	9	11	12	V	2.7	0.7	3.1	11
401431127	2011	9	11	13	V	5.3	0.4	3.23	14
401431127	2011	9	11	14	V	2.9	0.1	3.98	20
401431127	2011	9	11	15	V	2.2	0.2	3.69	21
401431127	2011	9	11	16	V	2.9	0.1	2.98	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	11	17	V	4.4	0.4	2.71	54
401431127	2011	9	11	18	V	4.2	1.6	0.87	39
401431127	2011	9	11	19	V	2.3	1.1	1.23	80
401431127	2011	9	11	20	C	-999	0.5	0	0
401431127	2011	9	11	21	V	2.2	0.7	0.75	267
401431127	2011	9	11	22	V	2.6	0.3	0.6	285
401431127	2011	9	11	23	C	-999	0.4	0	0
401431127	2011	9	11	24	V	2.2	0.3	0.57	250
401431127	2011	9	12	1	C	-999	0.1	0	0
401431127	2011	9	12	2	C	-999	0.2	0	0
401431127	2011	9	12	3	V	1.4	0.2	0.52	261
401431127	2011	9	12	4	C	-999	0.2	0	0
401431127	2011	9	12	5	V	2.0	0.2	0.62	306
401431127	2011	9	12	6	V	1.8	0.5	0.65	234
401431127	2011	9	12	7	C	-999	1.4	0	0
401431127	2011	9	12	8	V	4.1	2.9	0.69	111
401431127	2011	9	12	9	V	2.6	2.1	1.04	177
401431127	2011	9	12	10	V	1.6	0.5	2.71	181
401431127	2011	9	12	11	V	3.0	0.7	3.78	192
401431127	2011	9	12	12	V	3.1	1.6	3.71	193
401431127	2011	9	12	13	V	5.3	2.6	3.49	175
401431127	2011	9	12	14	V	3.4	2.4	3.15	201
401431127	2011	9	12	15	V	2.3	1.5	3.49	180
401431127	2011	9	12	16	V	2.9	0.5	3.83	184
401431127	2011	9	12	17	V	4.2	0.2	3.98	177
401431127	2011	9	12	18	V	4.0	0.5	4.09	180
401431127	2011	9	12	19	V	2.2	0.4	2.93	166
401431127	2011	9	12	20	V	2.6	0.4	2.78	151
401431127	2011	9	12	21	V	2.0	0.2	2.79	164
401431127	2011	9	12	22	V	2.3	0.1	1.31	182
401431127	2011	9	12	23	V	2.4	0.1	2.38	178
401431127	2011	9	12	24	V	1.9	0.2	2.32	182
401431127	2011	9	13	1	V	1.3	0.3	2.08	186
401431127	2011	9	13	2	V	1.6	0.2	1.6	184
401431127	2011	9	13	3	V	1.0	0.3	1.5	165
401431127	2011	9	13	4	V	1.5	0.7	1.84	159
401431127	2011	9	13	5	V	1.8	0.6	2.22	151
401431127	2011	9	13	6	V	1.5	0.4	2.91	86
401431127	2011	9	13	7	V	1.5	1.2	3.13	117
401431127	2011	9	13	8	V	2.7	2.9	2.86	119
401431127	2011	9	13	9	V	1.6	2.3	3.37	139
401431127	2011	9	13	10	V	1.5	2	4.32	152
401431127	2011	9	13	11	V	2.7	1	4.51	144
401431127	2011	9	13	12	V	2.7	0.9	4.37	168
401431127	2011	9	13	13	V	5.3	0.9	3.81	170
401431127	2011	9	13	14	V	3.0	1.4	2.32	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	13	15	V	2.3	2.6	1.62	38
401431127	2011	9	13	16	V	2.9	1.9	1.7	45
401431127	2011	9	13	17	V	4.2	1.7	2.81	71
401431127	2011	9	13	18	V	4.0	0.8	2.83	85
401431127	2011	9	13	19	V	2.2	0.8	2.5	64
401431127	2011	9	13	20	V	2.6	0.7	1.68	7
401431127	2011	9	13	21	V	2.1	0.5	1.86	16
401431127	2011	9	13	22	V	2.3	0.4	2.49	11
401431127	2011	9	13	23	V	2.4	0.6	2.61	14
401431127	2011	9	13	24	V	1.9	0.6	3.52	10
401431127	2011	9	14	1	V	1.3	0.7	3.22	359
401431127	2011	9	14	2	V	1.5	0.7	4.53	11
401431127	2011	9	14	3	V	1.0	0.3	4.36	9
401431127	2011	9	14	4	V	1.5	0.2	4.17	356
401431127	2011	9	14	5	V	1.8	0.1	3.22	341
401431127	2011	9	14	6	V	1.5	0.5	3.29	359
401431127	2011	9	14	7	V	1.5	0.4	4.19	7
401431127	2011	9	14	8	V	2.6	0.6	4.09	352
401431127	2011	9	14	9	V	1.5	0.6	5.29	8
401431127	2011	9	14	10	V	1.4	0.4	6.69	17
401431127	2011	9	14	11	V	2.6	0.3	6.86	13
401431127	2011	9	14	12	V	2.7	0.2	6.69	22
401431127	2011	9	14	13	V	5.2	0	7.13	20
401431127	2011	9	14	14	V	2.9	-999	7.4	26
401431127	2011	9	14	15	V	2.2	-999	7.13	25
401431127	2011	9	14	16	V	2.9	-999	7.79	32
401431127	2011	9	14	17	V	4.2	0	8.25	34
401431127	2011	9	14	18	V	4.0	0.1	7.14	29
401431127	2011	9	14	19	V	2.4	1	6.02	37
401431127	2011	9	14	20	V	4.1	2.1	5.56	45
401431127	2011	9	14	21	V	3.0	0.2	4.77	52
401431127	2011	9	14	22	V	3.8	0.1	4.99	50
401431127	2011	9	14	23	V	4.0	0	5.63	46
401431127	2011	9	14	24	V	3.5	-999	5.72	49
401431127	2011	9	15	1	V	2.4	-999	5.11	43
401431127	2011	9	15	2	V	2.7	0	4.87	43
401431127	2011	9	15	3	V	3.2	-999	4.6	47
401431127	2011	9	15	4	V	1.5	-999	2.91	30
401431127	2011	9	15	5	V	1.8	-999	3.3	29
401431127	2011	9	15	6	V	1.5	0	3.86	25
401431127	2011	9	15	7	V	1.5	0	4.87	30
401431127	2011	9	15	8	V	2.9	0.1	5.85	39
401431127	2011	9	15	9	V	2.5	0	5.09	52
401431127	2011	9	15	10	V	3.5	-999	4.49	48
401431127	2011	9	15	11	V	2.7	-999	4.77	33
401431127	2011	9	15	12	V	4.1	-999	5.29	45

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	15	13	V	6.9	-999	4.82	49
401431127	2011	9	15	14	V	3.2	-999	3.56	59
401431127	2011	9	15	15	V	3.3	-999	3.68	41
401431127	2011	9	15	16	V	3.9	-999	3.29	41
401431127	2011	9	15	17	V	4.2	-999	3.3	69
401431127	2011	9	15	18	V	4.0	-999	2.5	86
401431127	2011	9	15	19	V	2.4	-999	3.2	56
401431127	2011	9	15	20	V	2.7	-999	3.15	39
401431127	2011	9	15	21	V	2.1	-999	1.84	20
401431127	2011	9	15	22	V	2.3	-999	1.26	3
401431127	2011	9	15	23	V	2.4	-999	1.93	16
401431127	2011	9	15	24	V	1.9	-999	2.1	27
401431127	2011	9	16	1	V	1.3	-999	1.64	23
401431127	2011	9	16	2	V	3.6	-999	2.96	44
401431127	2011	9	16	3	V	1.0	-999	1.81	31
401431127	2011	9	16	4	V	1.5	-999	1.76	31
401431127	2011	9	16	5	V	1.8	-999	1.74	85
401431127	2011	9	16	6	V	1.5	-999	2.03	123
401431127	2011	9	16	7	V	1.5	-999	1.96	128
401431127	2011	9	16	8	V	2.7	0	3.32	133
401431127	2011	9	16	9	V	1.6	0	3.34	131
401431127	2011	9	16	10	V	1.5	0	3.73	133
401431127	2011	9	16	11	V	2.7	-999	3.73	129
401431127	2011	9	16	12	V	2.7	-999	3.71	121
401431127	2011	9	16	13	V	5.3	-999	3.34	97
401431127	2011	9	16	14	V	2.9	0.3	4.07	116
401431127	2011	9	16	15	V	2.2	0.3	3.46	139
401431127	2011	9	16	16	V	2.9	0.3	3.54	138
401431127	2011	9	16	17	V	4.2	0.3	3.46	140
401431127	2011	9	16	18	V	4.1	0.3	3.56	133
401431127	2011	9	16	19	V	2.3	0.3	2.98	131
401431127	2011	9	16	20	V	2.6	0.3	2.61	127
401431127	2011	9	16	21	V	2.1	0.2	2.93	124
401431127	2011	9	16	22	V	2.3	0.2	3.2	130
401431127	2011	9	16	23	V	2.4	0.2	2.3	132
401431127	2011	9	16	24	V	1.9	0.2	2.49	132
401431127	2011	9	17	1	V	1.3	0.2	2.55	124
401431127	2011	9	17	2	V	1.6	0.2	2.91	127
401431127	2011	9	17	3	V	1.0	0.2	2.95	125
401431127	2011	9	17	4	V	1.5	0.2	2.98	105
401431127	2011	9	17	5	V	1.8	0.2	3.08	119
401431127	2011	9	17	6	V	1.5	0.2	2.96	121
401431127	2011	9	17	7	V	1.5	0.2	2.18	122
401431127	2011	9	17	8	V	2.8	0.3	2.38	139
401431127	2011	9	17	9	V	1.6	0.3	3.03	154
401431127	2011	9	17	10	V	1.5	0.4	2.5	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	17	11	V	2.8	0.4	2.2	129
401431127	2011	9	17	12	V	2.7	0.5	3.58	107
401431127	2011	9	17	13	V	5.3	0.6	4.24	81
401431127	2011	9	17	14	V	2.9	0.7	4	78
401431127	2011	9	17	15	V	2.2	0.9	5.19	117
401431127	2011	9	17	16	V	2.8	2.1	5.97	116
401431127	2011	9	17	17	V	4.2	1.2	5.46	119
401431127	2011	9	17	18	V	4.0	0.9	5.95	134
401431127	2011	9	17	19	V	2.2	2.4	6.35	133
401431127	2011	9	17	20	V	2.6	3.9	4.82	136
401431127	2011	9	17	21	V	2.1	1.4	3.13	262
401431127	2011	9	17	22	V	2.8	0.4	2.15	227
401431127	2011	9	17	23	V	2.4	0.3	2.67	130
401431127	2011	9	17	24	V	1.9	0.3	3.17	130
401431127	2011	9	18	1	V	1.3	0.3	3.73	128
401431127	2011	9	18	2	V	1.5	0.3	4.94	169
401431127	2011	9	18	3	V	1.0	0.3	3.78	170
401431127	2011	9	18	4	V	1.5	0.3	3.2	171
401431127	2011	9	18	5	V	1.7	0.3	3.64	152
401431127	2011	9	18	6	V	1.5	0.3	3.61	141
401431127	2011	9	18	7	V	1.5	0.2	2.96	146
401431127	2011	9	18	8	V	2.7	0.2	2.45	166
401431127	2011	9	18	9	V	1.8	0.3	1.74	163
401431127	2011	9	18	10	V	1.6	0.4	2.67	177
401431127	2011	9	18	11	V	2.7	0.5	2.64	140
401431127	2011	9	18	12	V	2.8	0.5	2.1	108
401431127	2011	9	18	13	V	7.0	0.5	2.13	199
401431127	2011	9	18	14	V	3.0	0.5	2.15	276
401431127	2011	9	18	15	V	2.3	0.6	2.67	1
401431127	2011	9	18	16	V	2.8	0.5	4.07	354
401431127	2011	9	18	17	V	4.2	0.3	3.07	349
401431127	2011	9	18	18	V	4.0	0.3	2.81	348
401431127	2011	9	18	19	V	2.3	0.3	2.22	9
401431127	2011	9	18	20	V	2.6	0.3	1.71	1
401431127	2011	9	18	21	V	2.1	0.2	1.57	345
401431127	2011	9	18	22	V	2.3	0.2	2.15	346
401431127	2011	9	18	23	V	2.4	0.2	1.99	5
401431127	2011	9	18	24	V	1.9	0.1	1.94	338
401431127	2011	9	19	1	V	1.3	0.1	1.84	345
401431127	2011	9	19	2	V	1.6	0.1	2.2	339
401431127	2011	9	19	3	V	1.0	0.1	1.91	344
401431127	2011	9	19	4	V	1.6	0.1	1.37	345
401431127	2011	9	19	5	V	1.9	0.1	0.92	332
401431127	2011	9	19	6	V	1.7	0.3	0.77	275
401431127	2011	9	19	7	V	1.7	0.4	0.84	327
401431127	2011	9	19	8	V	3.3	0.2	1.13	347

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	19	9	V	1.6	0.2	2.81	13
401431127	2011	9	19	10	V	1.5	0.2	4.51	14
401431127	2011	9	19	11	V	2.7	0.3	4.43	12
401431127	2011	9	19	12	V	2.7	0.2	4.1	8
401431127	2011	9	19	13	V	5.3	0.1	4.44	8
401431127	2011	9	19	14	V	2.9	0.2	4.83	14
401431127	2011	9	19	15	V	2.2	0.2	4.27	20
401431127	2011	9	19	16	V	2.9	0.3	4.37	27
401431127	2011	9	19	17	V	5.0	0.4	4.09	40
401431127	2011	9	19	18	V	4.8	1	3.25	54
401431127	2011	9	19	19	V	2.4	1.7	0.89	6
401431127	2011	9	19	20	V	2.8	0.9	0.55	242
401431127	2011	9	19	21	C	-999	1	0	0
401431127	2011	9	19	22	C	-999	0.9	0	0
401431127	2011	9	19	23	V	2.7	0.8	0.55	274
401431127	2011	9	19	24	C	-999	0.6	0	0
401431127	2011	9	20	1	C	-999	0.5	0	0
401431127	2011	9	20	2	C	-999	0.6	0	0
401431127	2011	9	20	3	C	-999	0.5	0	0
401431127	2011	9	20	4	C	-999	0.6	0	0
401431127	2011	9	20	5	V	2.1	0.7	0.58	268
401431127	2011	9	20	6	C	-999	0.9	0	0
401431127	2011	9	20	7	C	-999	1.8	0	0
401431127	2011	9	20	8	V	6.7	2	0.72	200
401431127	2011	9	20	9	V	4.1	0.9	1.2	190
401431127	2011	9	20	10	V	1.7	2.8	2.71	183
401431127	2011	9	20	11	V	2.9	1.9	3.59	189
401431127	2011	9	20	12	V	3.0	2.7	3.39	189
401431127	2011	9	20	13	V	5.7	0.6	2.69	192
401431127	2011	9	20	14	V	3.2	0.4	2.16	181
401431127	2011	9	20	15	V	2.3	1	2.1	114
401431127	2011	9	20	16	V	2.9	0.6	3	137
401431127	2011	9	20	17	V	4.2	0.4	3.15	155
401431127	2011	9	20	18	V	4.0	0.4	3.1	125
401431127	2011	9	20	19	V	2.3	0.4	1.98	106
401431127	2011	9	20	20	V	2.8	0.5	0.6	339
401431127	2011	9	20	21	C	-999	0.5	0	0
401431127	2011	9	20	22	C	-999	0.8	0	0
401431127	2011	9	20	23	V	2.6	0.8	0.63	249
401431127	2011	9	20	24	V	2.2	0.5	0.69	287
401431127	2011	9	21	1	V	1.4	0.5	0.94	265
401431127	2011	9	21	2	V	1.9	0.4	0.6	296
401431127	2011	9	21	3	V	1.1	0.5	1.13	315
401431127	2011	9	21	4	V	1.5	0.4	2.45	7
401431127	2011	9	21	5	V	1.8	0.3	2.03	2
401431127	2011	9	21	6	V	1.5	0.2	3.56	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	21	7	V	1.5	0.3	4.75	16
401431127	2011	9	21	8	V	2.6	0.4	4.68	25
401431127	2011	9	21	9	V	1.5	0.4	4.63	26
401431127	2011	9	21	10	V	2.1	2.2	6.09	39
401431127	2011	9	21	11	V	4.2	1.1	6.07	44
401431127	2011	9	21	12	V	2.7	1.9	5.24	70
401431127	2011	9	21	13	V	5.4	0.4	4.32	66
401431127	2011	9	21	14	V	3.4	3.2	4.24	36
401431127	2011	9	21	15	V	2.2	1.6	4.88	26
401431127	2011	9	21	16	V	2.9	0.3	5.12	26
401431127	2011	9	21	17	V	4.2	0.2	5.22	22
401431127	2011	9	21	18	V	4.0	0.2	6.05	29
401431127	2011	9	21	19	V	2.3	0.3	4.82	18
401431127	2011	9	21	20	V	2.6	0.3	5.04	16
401431127	2011	9	21	21	V	2.0	0.1	5.34	13
401431127	2011	9	21	22	V	2.2	0.1	5.87	21
401431127	2011	9	21	23	V	2.4	0.1	5.09	29
401431127	2011	9	21	24	V	1.9	0.1	3.34	13
401431127	2011	9	22	1	V	1.3	0.1	3.08	18
401431127	2011	9	22	2	V	1.6	0	3.63	359
401431127	2011	9	22	3	V	1.0	0	3.03	357
401431127	2011	9	22	4	V	1.5	0	2.91	356
401431127	2011	9	22	5	V	1.8	0	3.18	7
401431127	2011	9	22	6	V	1.5	0	2.18	341
401431127	2011	9	22	7	V	1.6	0.1	0.92	347
401431127	2011	9	22	8	V	3.1	0.1	1.45	23
401431127	2011	9	22	9	V	1.6	0.1	2.33	350
401431127	2011	9	22	10	V	1.5	0.1	3.46	19
401431127	2011	9	22	11	V	2.7	0.1	2.54	21
401431127	2011	9	22	12	V	2.7	0.1	3	14
401431127	2011	9	22	13	V	5.3	0.4	2.52	9
401431127	2011	9	22	14	V	3.2	4.5	2.03	22
401431127	2011	9	22	15	V	3.0	3	2.5	34
401431127	2011	9	22	16	V	4.0	3	2.33	53
401431127	2011	9	22	17	V	4.4	2.4	2.08	26
401431127	2011	9	22	18	V	8.9	2.6	1.84	48
401431127	2011	9	22	19	V	2.5	1.3	0.53	8
401431127	2011	9	22	20	V	4.7	0.9	0.53	224
401431127	2011	9	22	21	V	2.1	0.5	1.23	283
401431127	2011	9	22	22	V	2.4	0.8	0.79	238
401431127	2011	9	22	23	V	6.4	0.7	0.74	219
401431127	2011	9	22	24	V	2.6	0.5	0.77	226
401431127	2011	9	23	1	V	9.5	0.6	0.58	210
401431127	2011	9	23	2	V	11.1	0.3	0.65	208
401431127	2011	9	23	3	M	-999	0.2	0.7	202
401431127	2011	9	23	4	M	-999	0.2	0.75	232

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	23	5	M	-999	0.1	0.75	228
401431127	2011	9	23	6	M	-999	0.2	0.72	237
401431127	2011	9	23	7	C	-999	1.1	0	0
401431127	2011	9	23	8	V	5.8	1.7	0.74	191
401431127	2011	9	23	9	V	3.4	0.9	1.55	188
401431127	2011	9	23	10	V	2.2	8.8	2.89	191
401431127	2011	9	23	11	V	2.9	3	4.26	190
401431127	2011	9	23	12	V	2.7	0.6	5.43	186
401431127	2011	9	23	13	V	5.3	0.4	5.51	188
401431127	2011	9	23	14	V	3.1	1	5.26	191
401431127	2011	9	23	15	V	2.6	2.3	5.09	198
401431127	2011	9	23	16	V	3.5	2.8	4.41	205
401431127	2011	9	23	17	V	4.8	1.3	3.35	215
401431127	2011	9	23	18	V	12.2	1.8	1.69	211
401431127	2011	9	23	19	V	2.5	6.7	0.63	242
401431127	2011	9	23	20	V	2.8	2.6	0.57	272
401431127	2011	9	23	21	V	2.3	1	0.63	248
401431127	2011	9	23	22	V	2.4	0.8	1.08	259
401431127	2011	9	23	23	V	21.2	0.5	1.28	211
401431127	2011	9	23	24	V	2.5	0.4	0.82	226
401431127	2011	9	24	1	V	4.3	0.5	0.8	220
401431127	2011	9	24	2	C	-999	0.6	0	0
401431127	2011	9	24	3	V	1.2	0.5	0.77	253
401431127	2011	9	24	4	V	1.8	0.4	0.69	312
401431127	2011	9	24	5	V	1.9	0.4	1.09	360
401431127	2011	9	24	6	V	1.6	0.4	1.03	251
401431127	2011	9	24	7	C	-999	0.5	0	0
401431127	2011	9	24	8	V	5.8	0.3	0.67	200
401431127	2011	9	24	9	V	3.2	0.3	0.86	188
401431127	2011	9	24	10	V	1.9	0.6	1.45	138
401431127	2011	9	24	11	V	3.1	0.5	1.48	166
401431127	2011	9	24	12	V	2.8	0.5	2.01	122
401431127	2011	9	24	13	V	5.3	0.5	2.38	159
401431127	2011	9	24	14	V	3.0	0.4	3.07	178
401431127	2011	9	24	15	V	2.3	0.4	2.84	168
401431127	2011	9	24	16	V	3.0	0.5	3.34	187
401431127	2011	9	24	17	V	4.2	0.6	2.62	171
401431127	2011	9	24	18	V	4.2	0.5	0.75	77
401431127	2011	9	24	19	V	2.4	0.5	1.14	13
401431127	2011	9	24	20	V	2.6	0.4	3.01	21
401431127	2011	9	24	21	V	2.0	0.7	5.5	30
401431127	2011	9	24	22	V	2.3	0.3	4.61	29
401431127	2011	9	24	23	V	2.4	0.3	4.92	36
401431127	2011	9	24	24	V	1.9	0.2	4.44	35
401431127	2011	9	25	1	V	1.3	0.3	3.51	30
401431127	2011	9	25	2	V	1.6	0.4	4.48	25

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	25	3	V	1.0	0.4	5.22	27
401431127	2011	9	25	4	V	1.5	0.4	5.85	28
401431127	2011	9	25	5	V	1.7	0.3	5.17	24
401431127	2011	9	25	6	V	1.5	0.2	5.73	26
401431127	2011	9	25	7	V	1.5	0.1	4.92	18
401431127	2011	9	25	8	V	2.6	0.2	4.41	12
401431127	2011	9	25	9	V	1.5	1.1	5.55	18
401431127	2011	9	25	10	V	1.4	1.7	5.19	17
401431127	2011	9	25	11	V	2.6	0.5	6.67	26
401431127	2011	9	25	12	V	2.7	0.4	6.52	18
401431127	2011	9	25	13	V	5.2	0.6	6.43	25
401431127	2011	9	25	14	V	2.9	1	5.31	23
401431127	2011	9	25	15	V	2.2	0.9	4.63	14
401431127	2011	9	25	16	V	2.9	0.5	3.83	9
401431127	2011	9	25	17	V	4.2	0.8	3.98	19
401431127	2011	9	25	18	V	4.1	0.4	2.74	9
401431127	2011	9	25	19	V	2.3	0.3	1.91	360
401431127	2011	9	25	20	V	2.6	0.5	1.55	348
401431127	2011	9	25	21	V	2.1	0.3	1.48	351
401431127	2011	9	25	22	V	2.5	0.2	0.74	323
401431127	2011	9	25	23	V	2.7	0.2	0.62	286
401431127	2011	9	25	24	V	2.0	0.2	1.38	7
401431127	2011	9	26	1	V	1.5	0.1	0.69	17
401431127	2011	9	26	2	V	1.9	0.1	0.6	273
401431127	2011	9	26	3	V	1.2	0.2	0.72	278
401431127	2011	9	26	4	V	1.7	0.1	0.89	302
401431127	2011	9	26	5	C	-999	0.2	0	0
401431127	2011	9	26	6	C	-999	0.2	0	0
401431127	2011	9	26	7	V	1.6	0.5	1.18	268
401431127	2011	9	26	8	V	7.1	1.3	0.84	220
401431127	2011	9	26	9	V	3.6	1.2	1.77	190
401431127	2011	9	26	10	V	2.9	1.1	1.91	191
401431127	2011	9	26	11	V	2.9	7.2	2.2	176
401431127	2011	9	26	12	V	3.4	5.3	1.45	180
401431127	2011	9	26	13	V	5.6	7.3	1.6	100
401431127	2011	9	26	14	V	3.6	5.6	1.67	51
401431127	2011	9	26	15	V	2.4	2	2.37	72
401431127	2011	9	26	16	V	3.2	0.6	2.06	68
401431127	2011	9	26	17	V	4.4	0.5	1.45	79
401431127	2011	9	26	18	V	4.2	0.5	0.96	150
401431127	2011	9	26	19	C	-999	0.5	0	0
401431127	2011	9	26	20	V	3.0	1	0.52	338
401431127	2011	9	26	21	V	2.2	0.6	0.99	350
401431127	2011	9	26	22	V	2.3	0.6	1.26	1
401431127	2011	9	26	23	V	2.6	0.4	0.7	312
401431127	2011	9	26	24	C	-999	0.4	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	27	1	V	1.7	0.5	0.52	284
401431127	2011	9	27	2	V	1.9	0.4	0.62	294
401431127	2011	9	27	3	V	1.2	0.3	0.87	280
401431127	2011	9	27	4	V	1.8	0.3	0.69	315
401431127	2011	9	27	5	V	2.1	0.3	0.55	266
401431127	2011	9	27	6	V	1.9	0.2	0.52	295
401431127	2011	9	27	7	V	1.8	1.2	0.69	257
401431127	2011	9	27	8	V	4.5	1.3	0.58	87
401431127	2011	9	27	9	V	3.1	2.5	0.92	69
401431127	2011	9	27	10	V	2.7	6.4	0.86	73
401431127	2011	9	27	11	V	3.8	7.9	2.21	34
401431127	2011	9	27	12	V	2.9	3	2.7	25
401431127	2011	9	27	13	V	6.0	0.9	2.95	37
401431127	2011	9	27	14	V	3.1	0.5	2.08	76
401431127	2011	9	27	15	V	2.4	0.4	1.42	23
401431127	2011	9	27	16	V	3.1	0.4	1.23	324
401431127	2011	9	27	17	V	4.4	0.4	1.18	331
401431127	2011	9	27	18	V	4.1	0.4	1.21	338
401431127	2011	9	27	19	V	2.4	0.5	0.96	286
401431127	2011	9	27	20	V	3.0	0.7	0.53	268
401431127	2011	9	27	21	V	2.4	0.6	0.57	15
401431127	2011	9	27	22	V	2.5	0.7	0.72	242
401431127	2011	9	27	23	C	-999	0.9	0	0
401431127	2011	9	27	24	C	-999	0.7	0	0
401431127	2011	9	28	1	V	10.4	0.6	0.65	211
401431127	2011	9	28	2	C	-999	0.5	0	0
401431127	2011	9	28	3	C	-999	0.4	0	0
401431127	2011	9	28	4	C	-999	0.5	0	0
401431127	2011	9	28	5	C	-999	0.4	0	0
401431127	2011	9	28	6	V	1.6	0.4	0.84	238
401431127	2011	9	28	7	V	1.9	0.5	0.55	178
401431127	2011	9	28	8	C	-999	0.9	0	0
401431127	2011	9	28	9	V	4.1	1	1.13	192
401431127	2011	9	28	10	V	2.1	1	0.97	228
401431127	2011	9	28	11	V	3.3	0.9	1.81	223
401431127	2011	9	28	12	V	3.2	-999	3.01	194
401431127	2011	9	28	13	V	5.3	-999	3.12	176
401431127	2011	9	28	14	V	3.3	1.5	2.3	218
401431127	2011	9	28	15	V	2.6	0.9	2.23	220
401431127	2011	9	28	16	V	3.3	0.9	2.3	216
401431127	2011	9	28	17	V	4.3	1.9	2.62	177
401431127	2011	9	28	18	V	4.1	1.1	1.2	163
401431127	2011	9	28	19	C	-999	0.6	0	0
401431127	2011	9	28	20	V	3.0	0.7	0.58	235
401431127	2011	9	28	21	V	2.4	1	0.6	252
401431127	2011	9	28	22	C	-999	1.2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	28	23	V	5.6	1.2	0.58	221
401431127	2011	9	28	24	V	2.3	0.8	0.53	278
401431127	2011	9	29	1	V	1.7	0.5	0.52	265
401431127	2011	9	29	2	C	-999	0.5	0	0
401431127	2011	9	29	3	C	-999	0.5	0	0
401431127	2011	9	29	4	C	-999	0.3	0	0
401431127	2011	9	29	5	V	1.9	0.4	1.07	349
401431127	2011	9	29	6	V	7.0	0.5	0.63	217
401431127	2011	9	29	7	C	-999	0.8	0	0
401431127	2011	9	29	8	V	5.2	1.4	1.13	189
401431127	2011	9	29	9	V	2.1	1.8	1.52	172
401431127	2011	9	29	10	V	1.8	11.9	1.64	248
401431127	2011	9	29	11	V	2.9	4.5	1.74	340
401431127	2011	9	29	12	V	2.8	2.7	2.71	8
401431127	2011	9	29	13	V	5.2	0.9	5.55	16
401431127	2011	9	29	14	V	2.9	0.7	5.85	23
401431127	2011	9	29	15	V	2.2	0.6	5.8	15
401431127	2011	9	29	16	V	2.8	0.5	6.38	13
401431127	2011	9	29	17	V	4.2	0.4	6.74	14
401431127	2011	9	29	18	V	4.1	0.4	5.12	15
401431127	2011	9	29	19	V	2.3	0.6	4.66	12
401431127	2011	9	29	20	V	2.6	0.5	5.67	13
401431127	2011	9	29	21	V	2.1	0.5	3.97	13
401431127	2011	9	29	22	V	2.3	0.4	2.49	4
401431127	2011	9	29	23	V	2.4	0.3	2.23	8
401431127	2011	9	29	24	V	1.9	0.2	2.69	10
401431127	2011	9	30	1	V	1.3	0.1	3.25	8
401431127	2011	9	30	2	V	1.6	0.1	4.17	11
401431127	2011	9	30	3	V	1.0	0.1	4.15	14
401431127	2011	9	30	4	V	1.5	0.1	3.69	16
401431127	2011	9	30	5	V	1.8	0.3	3.35	15
401431127	2011	9	30	6	V	1.5	0.3	2.47	14
401431127	2011	9	30	7	V	1.5	0.6	1.96	10
401431127	2011	9	30	8	V	2.8	0.5	2.13	353
401431127	2011	9	30	9	V	1.5	0.3	3.88	13
401431127	2011	9	30	10	V	1.5	1	3.93	20
401431127	2011	9	30	11	V	2.9	2.3	4.26	32
401431127	2011	9	30	12	V	3.3	0.4	4.99	37
401431127	2011	9	30	13	V	5.3	0.3	4.29	16
401431127	2011	9	30	14	V	3.0	0.2	4.65	26
401431127	2011	9	30	15	V	2.2	0.3	4.07	18
401431127	2011	9	30	16	V	2.9	0.3	3.92	25
401431127	2011	9	30	17	V	4.2	0.3	3.1	18
401431127	2011	9	30	18	V	4.1	0.3	1.79	1
401431127	2011	9	30	19	V	2.4	0.4	0.87	330
401431127	2011	9	30	20	V	3.0	1.1	0.52	269

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	9	30	21	C	-999	1.1	0	0
401431127	2011	9	30	22	C	-999	1.1	0	0
401431127	2011	9	30	23	V	2.7	1.5	0.62	236
401431127	2011	9	30	24	V	2.1	1.3	0.79	237
401431127	2011	10	1	1	V	1.5	1	0.65	307
401431127	2011	10	1	2	V	1.7	0.4	1.08	305
401431127	2011	10	1	3	V	1.2	0.4	0.74	281
401431127	2011	10	1	4	V	1.7	0.4	0.86	258
401431127	2011	10	1	5	V	2.0	0.6	0.63	298
401431127	2011	10	1	6	V	7.9	0.6	0.52	210
401431127	2011	10	1	7	V	1.9	1.1	0.55	285
401431127	2011	10	1	8	V	3.2	1.3	1.11	14
401431127	2011	10	1	9	V	2.6	0.4	1.4	25
401431127	2011	10	1	10	V	2.0	0.3	1.18	87
401431127	2011	10	1	11	V	2.9	0.4	1.81	132
401431127	2011	10	1	12	V	3.2	1.1	1.87	66
401431127	2011	10	1	13	V	5.8	1	1.72	62
401431127	2011	10	1	14	V	3.2	0.8	1.62	120
401431127	2011	10	1	15	V	2.4	0.6	2.08	78
401431127	2011	10	1	16	V	3.0	0.4	1.77	112
401431127	2011	10	1	17	V	4.2	0.3	2.1	116
401431127	2011	10	1	18	V	4.1	0.3	2.13	97
401431127	2011	10	1	19	V	2.5	0.5	0.62	350
401431127	2011	10	1	20	V	2.9	0.8	0.6	289
401431127	2011	10	1	21	C	-999	0.8	0	0
401431127	2011	10	1	22	C	-999	1	0	0
401431127	2011	10	1	23	V	2.6	0.5	0.65	269
401431127	2011	10	1	24	C	-999	0.5	0	0
401431127	2011	10	2	1	C	-999	0.7	0	0
401431127	2011	10	2	2	C	-999	0.6	0	0
401431127	2011	10	2	3	C	-999	0.5	0	0
401431127	2011	10	2	4	C	-999	0.3	0	0
401431127	2011	10	2	5	C	-999	0.4	0	0
401431127	2011	10	2	6	C	-999	0.4	0	0
401431127	2011	10	2	7	C	-999	0.5	0	0
401431127	2011	10	2	8	V	4.1	0.8	0.67	244
401431127	2011	10	2	9	V	2.3	0.5	1.31	170
401431127	2011	10	2	10	V	1.5	0.7	3.48	181
401431127	2011	10	2	11	V	2.7	1	3.47	179
401431127	2011	10	2	12	V	2.9	1.1	3.69	187
401431127	2011	10	2	13	V	5.3	1.3	3.1	176
401431127	2011	10	2	14	V	3.0	1.2	2.47	167
401431127	2011	10	2	15	V	2.3	1	2.64	152
401431127	2011	10	2	16	V	2.9	0.9	3.01	143
401431127	2011	10	2	17	V	4.2	0.9	3.07	146
401431127	2011	10	2	18	V	4.1	1	3.52	121

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	2	19	V	2.3	1	1.72	116
401431127	2011	10	2	20	C	-999	0.7	0	0
401431127	2011	10	2	21	C	-999	0.7	0	0
401431127	2011	10	2	22	V	2.5	0.4	0.7	270
401431127	2011	10	2	23	V	2.8	0.5	0.52	282
401431127	2011	10	2	24	V	2.9	0.6	0.52	229
401431127	2011	10	3	1	V	1.6	0.5	0.58	290
401431127	2011	10	3	2	C	-999	0.3	0	0
401431127	2011	10	3	3	C	-999	0.4	0	0
401431127	2011	10	3	4	C	-999	0.4	0	0
401431127	2011	10	3	5	V	2.1	0.4	0.6	254
401431127	2011	10	3	6	V	1.7	0.6	0.67	263
401431127	2011	10	3	7	C	-999	1.2	0	0
401431127	2011	10	3	8	V	4.9	3	0.58	208
401431127	2011	10	3	9	V	1.9	1.5	1.74	168
401431127	2011	10	3	10	V	1.5	1.2	3.05	171
401431127	2011	10	3	11	V	2.7	1.3	4.46	182
401431127	2011	10	3	12	V	2.7	1.5	4.76	179
401431127	2011	10	3	13	V	5.3	1.9	4.09	175
401431127	2011	10	3	14	V	2.9	1.8	4.48	159
401431127	2011	10	3	15	V	2.2	2.1	4.8	162
401431127	2011	10	3	16	V	2.8	2.2	4.56	160
401431127	2011	10	3	17	V	4.2	3	4.42	158
401431127	2011	10	3	18	V	4.1	3.3	3.25	154
401431127	2011	10	3	19	V	2.3	2.6	1.72	157
401431127	2011	10	3	20	V	16.9	1.7	1.31	204
401431127	2011	10	3	21	V	2.1	1.4	1.42	178
401431127	2011	10	3	22	V	3.9	1	0.87	195
401431127	2011	10	3	23	C	-999	1.2	0	0
401431127	2011	10	3	24	V	10.6	0.8	0.75	213
401431127	2011	10	4	1	V	1.9	0.4	0.67	228
401431127	2011	10	4	2	V	2.3	0.3	0.52	231
401431127	2011	10	4	3	V	6.3	0.3	0.63	217
401431127	2011	10	4	4	V	1.9	0.3	0.55	245
401431127	2011	10	4	5	C	-999	0.4	0	0
401431127	2011	10	4	6	C	-999	0.6	0	0
401431127	2011	10	4	7	C	-999	1.4	0	0
401431127	2011	10	4	8	V	4.4	2.2	0.53	219
401431127	2011	10	4	9	V	2.0	1.3	1.64	150
401431127	2011	10	4	10	V	1.5	1	3.27	178
401431127	2011	10	4	11	V	2.7	1.3	3.61	172
401431127	2011	10	4	12	V	2.7	1.3	3.86	164
401431127	2011	10	4	13	V	5.3	1.6	3.75	170
401431127	2011	10	4	14	V	2.9	2.4	4.19	168
401431127	2011	10	4	15	V	2.2	2	4.02	169
401431127	2011	10	4	16	V	2.8	1.7	4.12	158

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	4	17	V	4.2	1.5	4.12	140
401431127	2011	10	4	18	V	4.1	1.9	3.35	122
401431127	2011	10	4	19	V	2.3	1.8	2.27	113
401431127	2011	10	4	20	V	2.6	1.2	1.77	143
401431127	2011	10	4	21	V	2.2	0.6	0.99	169
401431127	2011	10	4	22	V	3.2	0.5	0.53	229
401431127	2011	10	4	23	V	2.5	0.5	0.74	246
401431127	2011	10	4	24	V	12.5	0.5	0.99	214
401431127	2011	10	5	1	V	12.7	0.6	0.87	206
401431127	2011	10	5	2	V	14.2	0.3	0.87	210
401431127	2011	10	5	3	C	-999	0.3	0	0
401431127	2011	10	5	4	C	-999	0.3	0	0
401431127	2011	10	5	5	C	-999	0.2	0	0
401431127	2011	10	5	6	C	-999	0.4	0	0
401431127	2011	10	5	7	C	-999	1.3	0	0
401431127	2011	10	5	8	V	8.5	1.4	0.89	216
401431127	2011	10	5	9	V	1.8	1.8	1.81	153
401431127	2011	10	5	10	V	1.5	1.2	3.95	167
401431127	2011	10	5	11	V	2.7	1.5	4.02	162
401431127	2011	10	5	12	V	2.7	2.2	4.53	165
401431127	2011	10	5	13	V	5.2	3.4	4.94	163
401431127	2011	10	5	14	V	2.9	1.5	5.36	164
401431127	2011	10	5	15	V	2.2	1.5	4.59	156
401431127	2011	10	5	16	V	2.8	1.6	4.99	152
401431127	2011	10	5	17	V	4.2	1.6	5.07	160
401431127	2011	10	5	18	V	4.1	1.7	2.61	163
401431127	2011	10	5	19	V	2.2	1.7	2.35	142
401431127	2011	10	5	20	V	2.6	1.8	2.2	142
401431127	2011	10	5	21	V	2.1	1.5	1.45	160
401431127	2011	10	5	22	V	2.7	1.1	0.52	180
401431127	2011	10	5	23	C	-999	1.1	0	0
401431127	2011	10	5	24	V	2.1	1.1	0.77	177
401431127	2011	10	6	1	V	1.3	0.9	1.67	164
401431127	2011	10	6	2	V	1.5	0.9	3.03	147
401431127	2011	10	6	3	V	1.0	0.7	4	150
401431127	2011	10	6	4	V	1.5	0.7	3.66	155
401431127	2011	10	6	5	V	1.7	0.7	2.57	167
401431127	2011	10	6	6	V	1.5	0.8	3.57	169
401431127	2011	10	6	7	V	1.5	1.1	2.52	149
401431127	2011	10	6	8	V	2.7	1.6	3.01	143
401431127	2011	10	6	9	V	1.5	2.3	4.32	159
401431127	2011	10	6	10	V	1.5	2.5	4.39	156
401431127	2011	10	6	11	V	2.6	3	6.04	157
401431127	2011	10	6	12	V	2.7	2.7	6.7	162
401431127	2011	10	6	13	V	5.2	2.1	7.96	163
401431127	2011	10	6	14	V	2.9	1.6	8.01	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	6	15	V	2.2	1.4	8.05	160
401431127	2011	10	6	16	V	2.8	1.8	7.16	159
401431127	2011	10	6	17	V	4.2	1.9	6.72	162
401431127	2011	10	6	18	V	4.0	1.7	4.85	166
401431127	2011	10	6	19	V	2.2	1.1	2.93	149
401431127	2011	10	6	20	V	2.6	1	3.63	148
401431127	2011	10	6	21	V	2.0	0.7	4.73	152
401431127	2011	10	6	22	V	2.2	0.5	4.24	147
401431127	2011	10	6	23	V	2.3	0.9	4.85	145
401431127	2011	10	6	24	V	1.9	1	5.36	149
401431127	2011	10	7	1	V	1.2	0.9	4.9	150
401431127	2011	10	7	2	V	1.5	0.7	4.17	151
401431127	2011	10	7	3	V	1.0	0.6	4.22	147
401431127	2011	10	7	4	V	1.5	0.6	3.97	150
401431127	2011	10	7	5	V	1.7	0.6	3.83	147
401431127	2011	10	7	6	V	1.5	0.7	3.56	149
401431127	2011	10	7	7	V	1.5	0.8	3.35	151
401431127	2011	10	7	8	V	2.7	1	3.3	154
401431127	2011	10	7	9	V	1.5	1.4	4.27	155
401431127	2011	10	7	10	V	1.4	1.7	7.14	165
401431127	2011	10	7	11	V	2.6	2	6.67	164
401431127	2011	10	7	12	V	2.7	1.7	7.25	165
401431127	2011	10	7	13	V	5.2	1.1	7.04	166
401431127	2011	10	7	14	V	2.9	0.8	6.72	164
401431127	2011	10	7	15	V	2.2	0.5	6.74	159
401431127	2011	10	7	16	V	2.8	0.5	5.84	162
401431127	2011	10	7	17	V	4.2	0.6	5.7	157
401431127	2011	10	7	18	V	4.0	0.6	4.2	144
401431127	2011	10	7	19	V	2.2	0.8	3.39	133
401431127	2011	10	7	20	V	2.6	0.8	2.79	137
401431127	2011	10	7	21	V	2.0	0.7	3.39	143
401431127	2011	10	7	22	V	2.2	0.6	3.46	149
401431127	2011	10	7	23	V	2.3	0.6	4.54	147
401431127	2011	10	7	24	V	1.9	0.5	5.24	147
401431127	2011	10	8	1	V	1.2	0.4	5.26	149
401431127	2011	10	8	2	V	1.5	0.4	5.17	149
401431127	2011	10	8	3	V	1.0	0.3	4.97	147
401431127	2011	10	8	4	V	1.5	0.3	4.63	149
401431127	2011	10	8	5	V	1.7	0.6	4.7	148
401431127	2011	10	8	6	V	1.5	0.4	4.94	150
401431127	2011	10	8	7	V	1.5	0.5	5.09	147
401431127	2011	10	8	8	V	2.6	0.6	5.62	148
401431127	2011	10	8	9	V	1.5	0.8	5.58	159
401431127	2011	10	8	10	V	1.4	1	7.71	172
401431127	2011	10	8	11	V	2.6	1	6.64	174
401431127	2011	10	8	12	V	2.7	1.1	6.45	164

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	8	13	V	5.2	0.9	6.58	157
401431127	2011	10	8	14	V	2.9	1.1	6.58	148
401431127	2011	10	8	15	V	2.2	1.2	7.55	141
401431127	2011	10	8	16	V	2.8	0.7	6.58	141
401431127	2011	10	8	17	V	4.2	0.5	5.26	130
401431127	2011	10	8	18	V	4.0	0.6	4	121
401431127	2011	10	8	19	V	2.3	0.7	2.2	129
401431127	2011	10	8	20	V	2.6	1.1	2.93	127
401431127	2011	10	8	21	V	2.1	1.5	2.55	144
401431127	2011	10	8	22	V	2.5	0.9	1.3	224
401431127	2011	10	8	23	V	2.4	0.6	1.62	261
401431127	2011	10	8	24	V	2.1	0.4	0.74	2
401431127	2011	10	9	1	C	-999	0.3	0	0
401431127	2011	10	9	2	V	1.9	0.3	0.53	1
401431127	2011	10	9	3	V	1.0	0.4	4.26	127
401431127	2011	10	9	4	V	1.5	0.6	5.5	126
401431127	2011	10	9	5	V	1.7	0.7	4.95	127
401431127	2011	10	9	6	V	1.5	0.5	5.31	129
401431127	2011	10	9	7	V	1.5	0.9	4.36	135
401431127	2011	10	9	8	V	2.6	1.2	4.95	135
401431127	2011	10	9	9	V	1.5	0.9	4.87	140
401431127	2011	10	9	10	V	1.4	0.6	5.58	148
401431127	2011	10	9	11	V	2.6	0.6	5.67	149
401431127	2011	10	9	12	V	2.7	0.5	5.07	147
401431127	2011	10	9	13	V	5.2	0.5	5.05	160
401431127	2011	10	9	14	V	2.9	0.4	4.88	128
401431127	2011	10	9	15	V	2.2	0.4	4.29	133
401431127	2011	10	9	16	V	2.8	0.6	4.6	123
401431127	2011	10	9	17	V	4.2	1	4.71	120
401431127	2011	10	9	18	V	4.1	1	3.75	112
401431127	2011	10	9	19	V	2.3	1.3	3.52	106
401431127	2011	10	9	20	V	2.6	0.3	2.74	287
401431127	2011	10	9	21	V	2.1	0.2	2.57	284
401431127	2011	10	9	22	V	2.3	0.1	0.8	325
401431127	2011	10	9	23	V	2.4	0.2	1.28	280
401431127	2011	10	9	24	V	2.0	0.1	1.16	283
401431127	2011	10	10	1	V	1.3	0.1	1.31	353
401431127	2011	10	10	2	V	1.6	0.2	2.13	33
401431127	2011	10	10	3	V	1.0	0.2	1.81	78
401431127	2011	10	10	4	V	1.6	0.1	1.2	117
401431127	2011	10	10	5	V	1.8	0.1	1.35	250
401431127	2011	10	10	6	V	1.5	0.1	1.14	246
401431127	2011	10	10	7	V	2.0	0.2	0.75	227
401431127	2011	10	10	8	V	3.9	0.2	0.72	242
401431127	2011	10	10	9	V	1.9	0.1	1.09	241
401431127	2011	10	10	10	V	1.6	0.1	1.76	280

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	10	11	V	2.8	0.1	1.48	288
401431127	2011	10	10	12	V	2.9	0.1	1.45	264
401431127	2011	10	10	13	V	5.3	0.2	2.01	275
401431127	2011	10	10	14	V	3.0	0.2	1.74	273
401431127	2011	10	10	15	V	3.1	0.2	1.14	229
401431127	2011	10	10	16	V	5.0	0.8	1.4	207
401431127	2011	10	10	17	V	4.4	2	1.35	248
401431127	2011	10	10	18	V	4.2	3.2	0.8	283
401431127	2011	10	10	19	V	2.4	0.8	0.82	285
401431127	2011	10	10	20	C	-999	0.5	0	0
401431127	2011	10	10	21	C	-999	0.6	0	0
401431127	2011	10	10	22	C	-999	1	0	0
401431127	2011	10	10	23	V	2.5	1	0.77	258
401431127	2011	10	10	24	C	-999	0.6	0	0
401431127	2011	10	11	1	V	13.3	0.6	0.89	208
401431127	2011	10	11	2	V	1.9	0.5	0.63	297
401431127	2011	10	11	3	C	-999	0.7	0	0
401431127	2011	10	11	4	C	-999	0.8	0	0
401431127	2011	10	11	5	C	-999	0.6	0	0
401431127	2011	10	11	6	V	1.8	0.6	0.58	283
401431127	2011	10	11	7	C	-999	0.9	0	0
401431127	2011	10	11	8	V	4.2	1.1	0.52	346
401431127	2011	10	11	9	V	3.2	0.9	0.6	125
401431127	2011	10	11	10	V	2.4	2.4	0.89	142
401431127	2011	10	11	11	V	3.1	7.3	2.3	184
401431127	2011	10	11	12	V	3.0	5.9	2.93	186
401431127	2011	10	11	13	V	6.2	2.7	2.79	209
401431127	2011	10	11	14	V	3.3	0.9	3.81	193
401431127	2011	10	11	15	V	3.0	1.4	4.03	205
401431127	2011	10	11	16	V	3.6	2.2	4.07	203
401431127	2011	10	11	17	V	4.3	1.8	2.98	188
401431127	2011	10	11	18	V	4.2	0.6	0.82	243
401431127	2011	10	11	19	C	-999	0.8	0	0
401431127	2011	10	11	20	V	3.0	1	0.52	312
401431127	2011	10	11	21	V	2.4	1.2	0.6	237
401431127	2011	10	11	22	V	5.6	1.2	0.7	220
401431127	2011	10	11	23	V	2.5	1.2	1.13	181
401431127	2011	10	11	24	V	2.0	0.6	1.01	289
401431127	2011	10	12	1	V	1.5	0.5	0.69	284
401431127	2011	10	12	2	V	11.8	0.6	0.86	213
401431127	2011	10	12	3	V	8.8	0.5	1.48	201
401431127	2011	10	12	4	V	1.7	0.4	0.82	306
401431127	2011	10	12	5	V	2.1	0.4	0.58	265
401431127	2011	10	12	6	V	6.0	0.4	0.69	199
401431127	2011	10	12	7	V	12.7	0.5	0.77	209
401431127	2011	10	12	8	V	10.4	0.9	1.13	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	12	9	V	2.1	1	1.21	84
401431127	2011	10	12	10	V	2.3	3.4	1.91	186
401431127	2011	10	12	11	V	3.9	2.4	3.2	218
401431127	2011	10	12	12	V	2.8	1.5	2.89	238
401431127	2011	10	12	13	V	5.3	1.3	2.67	266
401431127	2011	10	12	14	V	2.9	1.2	3.13	249
401431127	2011	10	12	15	V	2.2	1	3.42	259
401431127	2011	10	12	16	V	2.8	1.2	3.47	268
401431127	2011	10	12	17	V	4.2	1.7	3.52	276
401431127	2011	10	12	18	V	4.1	0.8	2.47	278
401431127	2011	10	12	19	V	2.3	0.8	2.03	268
401431127	2011	10	12	20	V	2.6	0.7	2.01	293
401431127	2011	10	12	21	V	2.1	0.7	2.76	322
401431127	2011	10	12	22	V	2.3	0.6	2.62	326
401431127	2011	10	12	23	V	2.4	0.6	2.55	317
401431127	2011	10	12	24	V	1.9	0.5	2.33	322
401431127	2011	10	13	1	V	1.3	0.5	2.52	325
401431127	2011	10	13	2	V	1.6	0.4	2.01	315
401431127	2011	10	13	3	V	1.0	0.4	1.93	310
401431127	2011	10	13	4	V	1.5	0.4	1.96	317
401431127	2011	10	13	5	V	1.8	0.4	1.28	244
401431127	2011	10	13	6	V	1.6	0.4	1.14	261
401431127	2011	10	13	7	V	1.6	0.4	1.06	293
401431127	2011	10	13	8	V	2.7	0.4	2.67	308
401431127	2011	10	13	9	V	1.6	0.4	3.13	320
401431127	2011	10	13	10	V	1.5	-999	2.9	311
401431127	2011	10	13	11	V	2.7	-999	2.49	305
401431127	2011	10	13	12	V	2.7	0.2	2.71	288
401431127	2011	10	13	13	V	5.3	0.2	3.83	321
401431127	2011	10	13	14	V	2.9	0.2	3.8	314
401431127	2011	10	13	15	V	2.2	0.2	3.66	327
401431127	2011	10	13	16	V	2.9	0.2	3.03	320
401431127	2011	10	13	17	V	4.2	0.2	2.37	299
401431127	2011	10	13	18	V	4.1	0.2	1.42	263
401431127	2011	10	13	19	V	2.3	0.2	1.21	257
401431127	2011	10	13	20	V	2.7	0.3	1.18	259
401431127	2011	10	13	21	V	2.3	0.3	0.65	261
401431127	2011	10	13	22	V	3.1	0.3	0.89	193
401431127	2011	10	13	23	V	12.0	0.4	0.72	211
401431127	2011	10	13	24	V	7.9	0.5	0.63	216
401431127	2011	10	14	1	V	1.7	0.4	0.52	241
401431127	2011	10	14	2	V	8.7	0.5	0.57	205
401431127	2011	10	14	3	V	1.4	0.5	0.52	243
401431127	2011	10	14	4	V	11.4	0.3	0.87	204
401431127	2011	10	14	5	V	2.1	0.3	0.62	180
401431127	2011	10	14	6	V	3.9	0.3	0.67	222

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	14	7	V	9.0	0.8	0.53	208
401431127	2011	10	14	8	V	2.9	1.3	1.64	167
401431127	2011	10	14	9	V	1.6	0.8	3.22	14
401431127	2011	10	14	10	V	2.5	0.7	3.05	34
401431127	2011	10	14	11	V	4.0	0.4	2.5	36
401431127	2011	10	14	12	V	3.6	0.3	1.91	38
401431127	2011	10	14	13	V	5.8	0.4	1.23	46
401431127	2011	10	14	14	V	3.3	0.3	1.2	71
401431127	2011	10	14	15	V	2.5	0.3	1.42	84
401431127	2011	10	14	16	V	3.2	0.3	1.04	12
401431127	2011	10	14	17	V	5.0	0.3	1.5	41
401431127	2011	10	14	18	V	4.1	1.3	1.11	12
401431127	2011	10	14	19	V	2.3	1.3	1.64	4
401431127	2011	10	14	20	V	2.7	0.6	1.33	9
401431127	2011	10	14	21	V	2.1	0.5	2.15	9
401431127	2011	10	14	22	V	2.3	0.3	2.59	21
401431127	2011	10	14	23	V	2.4	0.4	2.28	15
401431127	2011	10	14	24	V	2.0	0.4	1.55	23
401431127	2011	10	15	1	V	1.3	0.2	2.2	15
401431127	2011	10	15	2	V	1.6	0.2	2.2	17
401431127	2011	10	15	3	V	1.0	0.1	1.93	22
401431127	2011	10	15	4	V	1.6	0.2	1.59	16
401431127	2011	10	15	5	V	1.9	0.1	0.89	355
401431127	2011	10	15	6	V	1.6	0.2	1.28	360
401431127	2011	10	15	7	V	1.7	0.5	0.77	359
401431127	2011	10	15	8	V	3.2	0.8	1.33	25
401431127	2011	10	15	9	V	1.7	0.3	2.49	85
401431127	2011	10	15	10	V	1.5	1	3.56	110
401431127	2011	10	15	11	V	2.7	0.7	3.69	134
401431127	2011	10	15	12	V	2.7	1.4	4.02	151
401431127	2011	10	15	13	V	5.3	1.4	3.78	169
401431127	2011	10	15	14	V	2.9	0.7	4.09	161
401431127	2011	10	15	15	V	2.2	1	4.63	175
401431127	2011	10	15	16	V	2.9	1.1	4.19	185
401431127	2011	10	15	17	V	4.2	1.1	2.62	169
401431127	2011	10	15	18	V	18.8	1	1.09	207
401431127	2011	10	15	19	V	10.2	0.7	1.13	216
401431127	2011	10	15	20	V	3.1	0.8	0.69	229
401431127	2011	10	15	21	V	3.8	1.7	1.35	220
401431127	2011	10	15	22	V	17.7	1.4	1.43	213
401431127	2011	10	15	23	V	3.1	0.6	2.59	196
401431127	2011	10	15	24	V	11.3	0.9	2.13	202
401431127	2011	10	16	1	V	17.0	0.9	1.16	212
401431127	2011	10	16	2	V	6.2	2.9	1.06	218
401431127	2011	10	16	3	V	1.0	11.4	1.55	182
401431127	2011	10	16	4	V	1.5	4.4	2.3	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	16	5	V	1.8	9.2	1.57	184
401431127	2011	10	16	6	V	3.9	16.5	0.77	196
401431127	2011	10	16	7	V	1.6	20.1	1.67	184
401431127	2011	10	16	8	V	3.7	6.9	3.23	196
401431127	2011	10	16	9	V	2.5	2.4	4.56	211
401431127	2011	10	16	10	V	2.4	4.3	5.05	210
401431127	2011	10	16	11	V	3.8	1.6	6.01	209
401431127	2011	10	16	12	V	3.2	0.9	5.62	216
401431127	2011	10	16	13	V	5.4	0.8	4.56	226
401431127	2011	10	16	14	V	3.0	0.7	4.83	229
401431127	2011	10	16	15	V	2.3	0.7	4.6	229
401431127	2011	10	16	16	V	3.1	0.8	4.26	223
401431127	2011	10	16	17	V	4.8	0.7	3.29	219
401431127	2011	10	16	18	V	4.2	0.8	1.37	229
401431127	2011	10	16	19	V	2.5	1	0.62	270
401431127	2011	10	16	20	V	2.6	0.9	1.77	332
401431127	2011	10	16	21	V	2.1	0.6	4.03	11
401431127	2011	10	16	22	V	2.2	0.5	4.61	18
401431127	2011	10	16	23	V	2.4	0.4	3.13	8
401431127	2011	10	16	24	V	1.9	0.5	3	16
401431127	2011	10	17	1	V	1.3	0.6	1.81	19
401431127	2011	10	17	2	V	1.6	0.5	1.64	8
401431127	2011	10	17	3	V	1.0	0.4	1.47	4
401431127	2011	10	17	4	V	1.5	0.3	1.84	12
401431127	2011	10	17	5	V	1.8	0.3	1.98	15
401431127	2011	10	17	6	V	1.6	0.2	1.25	13
401431127	2011	10	17	7	V	1.6	0.4	1.42	23
401431127	2011	10	17	8	V	3.0	0.4	1.3	20
401431127	2011	10	17	9	V	1.8	0.7	1.94	134
401431127	2011	10	17	10	V	1.5	1	3.23	179
401431127	2011	10	17	11	V	3.0	1.1	4.65	194
401431127	2011	10	17	12	V	2.7	0.9	4.93	184
401431127	2011	10	17	13	V	5.3	1.1	4.92	185
401431127	2011	10	17	14	V	3.7	1.5	4.83	211
401431127	2011	10	17	15	V	2.9	2.1	4.48	210
401431127	2011	10	17	16	V	2.9	1.7	1.99	253
401431127	2011	10	17	17	V	4.2	1.4	4.26	339
401431127	2011	10	17	18	V	4.0	1.4	6.21	4
401431127	2011	10	17	19	V	2.2	0.9	7.98	6
401431127	2011	10	17	20	V	2.6	0.7	6.35	6
401431127	2011	10	17	21	V	2.0	0.6	6.38	3
401431127	2011	10	17	22	V	2.2	0.2	7.09	6
401431127	2011	10	17	23	V	2.3	0.4	7.33	9
401431127	2011	10	17	24	V	1.9	0.6	6.16	4
401431127	2011	10	18	1	V	1.2	0.3	6.33	3
401431127	2011	10	18	2	V	1.5	0.4	6.28	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	18	3	V	1.0	0.3	6.11	1
401431127	2011	10	18	4	V	1.5	0.3	4.88	360
401431127	2011	10	18	5	V	1.8	0.2	5.11	356
401431127	2011	10	18	6	V	1.5	0.2	4.27	352
401431127	2011	10	18	7	V	1.5	0.2	3.44	341
401431127	2011	10	18	8	V	2.7	0.2	3.17	329
401431127	2011	10	18	9	V	1.5	0.2	3.69	336
401431127	2011	10	18	10	V	1.5	0.2	4.66	344
401431127	2011	10	18	11	V	2.7	0.3	4.25	348
401431127	2011	10	18	12	V	2.7	0.3	4.76	342
401431127	2011	10	18	13	V	5.2	0.4	5.16	336
401431127	2011	10	18	14	V	2.9	0.4	5.29	343
401431127	2011	10	18	15	V	2.2	0.4	5.16	338
401431127	2011	10	18	16	V	2.8	0.4	4.99	329
401431127	2011	10	18	17	V	4.2	0.4	4.73	323
401431127	2011	10	18	18	V	4.1	0.4	4.2	339
401431127	2011	10	18	19	V	2.3	0.2	4.1	336
401431127	2011	10	18	20	V	2.6	0.2	3.44	341
401431127	2011	10	18	21	V	2.1	0.1	3.88	344
401431127	2011	10	18	22	V	2.3	0.2	2.67	343
401431127	2011	10	18	23	V	2.4	0.2	2.1	333
401431127	2011	10	18	24	V	1.9	0.2	2.27	331
401431127	2011	10	19	1	V	1.3	0.2	1.3	305
401431127	2011	10	19	2	V	1.6	0.2	1.54	313
401431127	2011	10	19	3	V	1.0	0.2	1.94	312
401431127	2011	10	19	4	V	1.5	0.2	2.47	321
401431127	2011	10	19	5	V	1.8	0.2	2.64	322
401431127	2011	10	19	6	V	1.5	0.2	2.79	326
401431127	2011	10	19	7	V	1.5	0.2	2.78	329
401431127	2011	10	19	8	V	2.7	0.3	2.81	331
401431127	2011	10	19	9	V	1.5	0.4	4.51	343
401431127	2011	10	19	10	V	1.4	0.5	5.26	353
401431127	2011	10	19	11	V	2.6	0.6	5.68	347
401431127	2011	10	19	12	V	2.7	0.8	5.07	341
401431127	2011	10	19	13	V	5.2	0.5	4.9	332
401431127	2011	10	19	14	V	2.9	0.6	5.6	345
401431127	2011	10	19	15	V	2.2	0.4	5.02	334
401431127	2011	10	19	16	V	2.8	0.3	5.04	345
401431127	2011	10	19	17	V	4.2	0.3	4.1	339
401431127	2011	10	19	18	V	4.1	0.3	3	334
401431127	2011	10	19	19	V	2.3	0.3	1.84	329
401431127	2011	10	19	20	V	2.6	0.3	1.43	316
401431127	2011	10	19	21	V	2.1	0.4	1.3	315
401431127	2011	10	19	22	V	2.3	0.3	1.59	348
401431127	2011	10	19	23	V	2.4	0.3	1.67	356
401431127	2011	10	19	24	V	2.0	0.3	0.99	235

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	20	1	C	-999	0.3	0	0
401431127	2011	10	20	2	C	-999	0.5	0	0
401431127	2011	10	20	3	C	-999	0.6	0	0
401431127	2011	10	20	4	V	8.1	0.3	0.58	214
401431127	2011	10	20	5	V	2.0	0.4	0.63	245
401431127	2011	10	20	6	V	1.7	0.5	0.72	239
401431127	2011	10	20	7	V	8.7	1	0.63	204
401431127	2011	10	20	8	V	10.7	1.7	0.67	204
401431127	2011	10	20	9	V	2.7	1	0.92	75
401431127	2011	10	20	10	V	3.0	0.4	1.31	39
401431127	2011	10	20	11	V	2.9	0.4	1.72	338
401431127	2011	10	20	12	V	2.9	1.9	1.69	305
401431127	2011	10	20	13	V	5.4	2.4	2.05	320
401431127	2011	10	20	14	V	3.0	2.7	2.08	314
401431127	2011	10	20	15	V	3.1	1.3	2.11	39
401431127	2011	10	20	16	V	3.2	0.7	1.54	24
401431127	2011	10	20	17	V	5.2	0.5	1.99	56
401431127	2011	10	20	18	V	4.3	0.6	0.55	74
401431127	2011	10	20	19	V	2.5	0.7	0.55	317
401431127	2011	10	20	20	V	2.8	1.5	0.72	265
401431127	2011	10	20	21	C	-999	1.5	0	0
401431127	2011	10	20	22	V	2.6	1.8	0.55	269
401431127	2011	10	20	23	C	-999	1.4	0	0
401431127	2011	10	20	24	C	-999	1.4	0	0
401431127	2011	10	21	1	C	-999	1.5	0	0
401431127	2011	10	21	2	C	-999	1.5	0	0
401431127	2011	10	21	3	C	-999	1.3	0	0
401431127	2011	10	21	4	C	-999	1.2	0	0
401431127	2011	10	21	5	C	-999	1.1	0	0
401431127	2011	10	21	6	V	1.9	1.4	0.52	279
401431127	2011	10	21	7	C	-999	1.4	0	0
401431127	2011	10	21	8	C	-999	3	0	0
401431127	2011	10	21	9	V	3.3	2.5	0.84	182
401431127	2011	10	21	10	V	1.7	1.8	1.88	166
401431127	2011	10	21	11	V	2.8	2.2	2.52	177
401431127	2011	10	21	12	V	2.9	5.5	2.96	183
401431127	2011	10	21	13	V	5.5	4.4	2.38	184
401431127	2011	10	21	14	V	3.1	3.6	2.13	174
401431127	2011	10	21	15	V	2.8	2.7	2.05	204
401431127	2011	10	21	16	V	3.2	2.8	1.76	183
401431127	2011	10	21	17	V	4.2	2.2	2.1	155
401431127	2011	10	21	18	V	4.2	1.9	1.06	176
401431127	2011	10	21	19	V	2.6	1.2	0.52	303
401431127	2011	10	21	20	V	3.0	1.6	0.55	276
401431127	2011	10	21	21	V	2.3	1.9	0.62	245
401431127	2011	10	21	22	V	2.7	1.6	0.53	272

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	21	23	C	-999	1.6	0	0
401431127	2011	10	21	24	C	-999	1.1	0	0
401431127	2011	10	22	1	C	-999	1.3	0	0
401431127	2011	10	22	2	C	-999	1.4	0	0
401431127	2011	10	22	3	C	-999	1.8	0	0
401431127	2011	10	22	4	C	-999	1.4	0	0
401431127	2011	10	22	5	V	1.8	1.2	1.42	250
401431127	2011	10	22	6	C	-999	1.4	0	0
401431127	2011	10	22	7	V	1.6	1.4	1.04	7
401431127	2011	10	22	8	V	2.9	2	0.77	29
401431127	2011	10	22	9	V	1.7	1	2.03	119
401431127	2011	10	22	10	V	1.6	1.9	2.56	138
401431127	2011	10	22	11	V	2.7	2.5	2.79	147
401431127	2011	10	22	12	V	2.7	2.4	3.61	131
401431127	2011	10	22	13	V	5.3	2.2	3.37	115
401431127	2011	10	22	14	V	2.9	2.1	4.49	121
401431127	2011	10	22	15	V	2.2	2	4.53	105
401431127	2011	10	22	16	V	2.8	5	4.46	109
401431127	2011	10	22	17	V	4.2	8.9	4.27	97
401431127	2011	10	22	18	V	4.1	9	3.46	103
401431127	2011	10	22	19	V	2.2	1.5	5.67	26
401431127	2011	10	22	20	V	2.6	0.5	4.07	28
401431127	2011	10	22	21	V	2.0	0.4	5.97	84
401431127	2011	10	22	22	V	2.2	0.4	3.86	166
401431127	2011	10	22	23	V	2.3	0.4	2.64	170
401431127	2011	10	22	24	V	2.0	0.3	1.13	335
401431127	2011	10	23	1	V	1.4	0.3	1.08	304
401431127	2011	10	23	2	V	1.7	0.4	0.75	314
401431127	2011	10	23	3	V	1.5	0.4	0.52	234
401431127	2011	10	23	4	C	-999	0.5	0	0
401431127	2011	10	23	5	V	5.8	0.5	0.69	219
401431127	2011	10	23	6	V	1.8	0.5	0.65	232
401431127	2011	10	23	7	V	1.9	0.6	0.55	249
401431127	2011	10	23	8	V	7.2	0.7	0.97	199
401431127	2011	10	23	9	V	2.9	0.5	0.65	245
401431127	2011	10	23	10	V	2.0	1	1.25	249
401431127	2011	10	23	11	V	10.8	5.2	1.6	213
401431127	2011	10	23	12	V	3.1	1.7	1.51	259
401431127	2011	10	23	13	V	5.5	1.5	1.83	265
401431127	2011	10	23	14	V	3.1	1.8	1.87	273
401431127	2011	10	23	15	V	3.1	1.5	1.5	194
401431127	2011	10	23	16	V	3.2	1.4	1.2	259
401431127	2011	10	23	17	V	4.5	1.6	0.82	262
401431127	2011	10	23	18	V	4.3	1.3	0.52	242
401431127	2011	10	23	19	C	-999	0.9	0	0
401431127	2011	10	23	20	V	2.9	0.8	0.57	245

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	23	21	V	2.3	0.8	0.67	235
401431127	2011	10	23	22	V	3.3	1.1	0.55	228
401431127	2011	10	23	23	V	3.8	0.8	0.55	226
401431127	2011	10	23	24	V	10.2	0.4	0.94	202
401431127	2011	10	24	1	C	-999	0.4	0	0
401431127	2011	10	24	2	C	-999	0.5	0	0
401431127	2011	10	24	3	C	-999	0.7	0	0
401431127	2011	10	24	4	V	1.9	0.5	0.58	271
401431127	2011	10	24	5	V	2.2	0.6	0.52	262
401431127	2011	10	24	6	V	17.9	0.9	1.06	210
401431127	2011	10	24	7	V	7.2	1.1	0.91	200
401431127	2011	10	24	8	V	3.0	1.1	1.04	191
401431127	2011	10	24	9	V	1.6	0.9	2.9	179
401431127	2011	10	24	10	V	4.6	5.2	2.86	201
401431127	2011	10	24	11	V	3.0	16	3.86	190
401431127	2011	10	24	12	V	3.3	6.4	5.03	215
401431127	2011	10	24	13	V	6.1	1.2	4.48	213
401431127	2011	10	24	14	V	3.8	1.8	4.41	203
401431127	2011	10	24	15	V	2.5	2	5.34	196
401431127	2011	10	24	16	V	2.9	0.9	5.29	189
401431127	2011	10	24	17	V	4.2	0.9	5.65	182
401431127	2011	10	24	18	V	4.1	0.8	3.47	181
401431127	2011	10	24	19	V	2.4	0.7	2.32	192
401431127	2011	10	24	20	V	23.8	1.2	2.64	207
401431127	2011	10	24	21	V	2.4	1.6	2.96	192
401431127	2011	10	24	22	V	4.3	1.3	2.45	198
401431127	2011	10	24	23	V	2.5	1.1	3.47	188
401431127	2011	10	24	24	V	2.3	1.1	5.24	189
401431127	2011	10	25	1	V	1.5	1.6	5.16	188
401431127	2011	10	25	2	V	1.5	1.5	2.86	168
401431127	2011	10	25	3	V	1.0	1	3.51	165
401431127	2011	10	25	4	V	1.5	0.7	3.66	165
401431127	2011	10	25	5	V	1.7	0.8	3.66	169
401431127	2011	10	25	6	V	1.5	1	2.86	161
401431127	2011	10	25	7	V	1.5	1.1	4.34	168
401431127	2011	10	25	8	V	2.7	1.5	4.31	168
401431127	2011	10	25	9	V	1.5	1.6	5.24	178
401431127	2011	10	25	10	V	1.4	1.4	6.94	184
401431127	2011	10	25	11	V	2.7	1.5	8.91	193
401431127	2011	10	25	12	V	3.0	1.7	8.73	199
401431127	2011	10	25	13	V	5.4	1.4	8.76	195
401431127	2011	10	25	14	V	3.0	1.1	8.98	194
401431127	2011	10	25	15	V	2.3	1.1	8.85	194
401431127	2011	10	25	16	V	2.9	1.1	7.54	188
401431127	2011	10	25	17	V	4.3	0.9	7.16	194
401431127	2011	10	25	18	V	4.4	1.5	5.17	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	25	19	V	2.4	1	4.07	187
401431127	2011	10	25	20	V	2.7	0.9	1.96	188
401431127	2011	10	25	21	V	2.1	0.7	1.52	185
401431127	2011	10	25	22	V	2.3	0.6	1.38	161
401431127	2011	10	25	23	V	2.4	0.6	1.57	160
401431127	2011	10	25	24	V	2.1	0.7	0.84	168
401431127	2011	10	26	1	V	1.3	1	1.59	349
401431127	2011	10	26	2	V	11.2	0.8	1.79	47
401431127	2011	10	26	3	V	2.6	0.5	0.65	49
401431127	2011	10	26	4	V	1.9	0.5	0.52	160
401431127	2011	10	26	5	C	-999	0.4	0	0
401431127	2011	10	26	6	V	1.5	0.4	2.33	344
401431127	2011	10	26	7	V	1.5	0.5	3.8	1
401431127	2011	10	26	8	V	2.7	0.5	4.88	9
401431127	2011	10	26	9	V	1.5	0.6	5.36	12
401431127	2011	10	26	10	V	1.4	0.6	6.29	15
401431127	2011	10	26	11	V	2.6	0.8	4.87	19
401431127	2011	10	26	12	V	2.7	0.7	4.05	8
401431127	2011	10	26	13	V	5.3	0.7	3.78	360
401431127	2011	10	26	14	V	2.9	0.8	4.39	8
401431127	2011	10	26	15	V	2.2	0.5	4.02	7
401431127	2011	10	26	16	V	2.8	0.5	4.15	9
401431127	2011	10	26	17	V	4.2	0.5	3.76	18
401431127	2011	10	26	18	V	4.1	0.5	2.98	13
401431127	2011	10	26	19	V	2.3	0.5	2.98	25
401431127	2011	10	26	20	V	5.1	0.5	3.54	43
401431127	2011	10	26	21	V	2.8	1.2	4.22	39
401431127	2011	10	26	22	V	2.3	1.1	4.32	31
401431127	2011	10	26	23	V	2.4	0.6	3.01	21
401431127	2011	10	26	24	V	1.9	0.4	3.08	14
401431127	2011	10	27	1	V	1.2	0.5	4.75	8
401431127	2011	10	27	2	V	1.5	0.5	5.53	9
401431127	2011	10	27	3	V	1.0	0.5	5.77	13
401431127	2011	10	27	4	V	1.5	0.5	4.83	4
401431127	2011	10	27	5	V	1.8	0.4	3.93	4
401431127	2011	10	27	6	V	1.5	0.3	2.71	2
401431127	2011	10	27	7	V	1.5	0.3	1.79	360
401431127	2011	10	27	8	V	2.7	0.3	2.28	9
401431127	2011	10	27	9	V	1.7	0.4	1.84	21
401431127	2011	10	27	10	V	1.5	0.4	2.23	6
401431127	2011	10	27	11	V	2.9	0.5	2.23	27
401431127	2011	10	27	12	V	4.4	1.3	3.01	38
401431127	2011	10	27	13	V	9.2	2.1	3.98	49
401431127	2011	10	27	14	V	4.5	2.3	4.29	40
401431127	2011	10	27	15	V	3.2	-999	3.03	37
401431127	2011	10	27	16	V	3.0	1.9	1.18	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	27	17	V	4.3	1.2	1.14	353
401431127	2011	10	27	18	V	4.1	0.4	2.52	355
401431127	2011	10	27	19	V	2.3	0.3	1.91	27
401431127	2011	10	27	20	V	2.7	0.3	0.75	99
401431127	2011	10	27	21	V	2.1	0.4	1.16	299
401431127	2011	10	27	22	V	2.3	0.3	1.3	320
401431127	2011	10	27	23	V	2.5	0.3	0.99	305
401431127	2011	10	27	24	V	2.2	0.2	0.6	236
401431127	2011	10	28	1	V	19.9	0.2	1.23	209
401431127	2011	10	28	2	V	1.7	0.3	0.87	244
401431127	2011	10	28	3	V	1.4	0.3	0.53	244
401431127	2011	10	28	4	V	1.8	0.3	0.65	248
401431127	2011	10	28	5	V	1.9	0.4	0.87	321
401431127	2011	10	28	6	V	1.8	1	0.58	278
401431127	2011	10	28	7	C	-999	1.4	0	0
401431127	2011	10	28	8	V	2.9	2.7	0.67	272
401431127	2011	10	28	9	V	2.2	0.8	1.13	9
401431127	2011	10	28	10	V	3.6	0.5	1.89	38
401431127	2011	10	28	11	V	3.3	0.5	1.6	44
401431127	2011	10	28	12	V	2.9	0.6	3.01	26
401431127	2011	10	28	13	V	5.3	0.5	2.79	349
401431127	2011	10	28	14	V	2.9	0.4	3.15	329
401431127	2011	10	28	15	V	2.2	0.4	2.62	321
401431127	2011	10	28	16	V	2.9	0.4	2.3	346
401431127	2011	10	28	17	V	4.2	0.4	1.6	338
401431127	2011	10	28	18	V	4.2	0.4	0.72	272
401431127	2011	10	28	19	V	2.5	0.8	0.69	270
401431127	2011	10	28	20	C	-999	0.7	0	0
401431127	2011	10	28	21	C	-999	0.5	0	0
401431127	2011	10	28	22	C	-999	0.9	0	0
401431127	2011	10	28	23	V	2.6	0.7	0.74	176
401431127	2011	10	28	24	V	2.3	0.3	0.53	152
401431127	2011	10	29	1	C	-999	0.5	0	0
401431127	2011	10	29	2	C	-999	0.5	0	0
401431127	2011	10	29	3	C	-999	0.5	0	0
401431127	2011	10	29	4	V	9.3	0.5	0.6	211
401431127	2011	10	29	5	C	-999	0.5	0	0
401431127	2011	10	29	6	C	-999	0.7	0	0
401431127	2011	10	29	7	C	-999	0.7	0	0
401431127	2011	10	29	8	C	-999	0.8	0	0
401431127	2011	10	29	9	V	2.3	0.7	1.06	167
401431127	2011	10	29	10	V	6.5	0.5	2.66	209
401431127	2011	10	29	11	V	3.4	0.4	4.68	215
401431127	2011	10	29	12	V	3.3	0.4	6.09	212
401431127	2011	10	29	13	V	6.0	0.5	6.16	205
401431127	2011	10	29	14	V	3.4	0.6	5.96	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	29	15	V	2.5	0.7	6.4	196
401431127	2011	10	29	16	V	3.0	1	6.48	194
401431127	2011	10	29	17	V	4.3	0.8	5.55	193
401431127	2011	10	29	18	V	4.2	0.7	3.13	189
401431127	2011	10	29	19	V	3.1	0.6	1.88	195
401431127	2011	10	29	20	V	3.6	0.5	2.71	196
401431127	2011	10	29	21	V	3.4	0.5	1.99	197
401431127	2011	10	29	22	V	8.2	0.8	1.23	200
401431127	2011	10	29	23	V	3.0	0.7	1.25	194
401431127	2011	10	29	24	V	2.0	0.5	1.3	176
401431127	2011	10	30	1	V	1.5	0.5	0.84	144
401431127	2011	10	30	2	V	1.6	0.6	2.01	177
401431127	2011	10	30	3	V	1.0	1.1	1.72	182
401431127	2011	10	30	4	V	1.5	2.2	1.89	182
401431127	2011	10	30	5	V	1.8	3.2	1.93	176
401431127	2011	10	30	6	V	7.5	2.3	0.72	201
401431127	2011	10	30	7	V	2.1	1.3	1.28	194
401431127	2011	10	30	8	V	3.7	1.2	1.37	196
401431127	2011	10	30	9	V	9.5	2.9	2.23	207
401431127	2011	10	30	10	V	2.5	1.9	3.74	217
401431127	2011	10	30	11	V	2.7	1.6	3.85	232
401431127	2011	10	30	12	V	2.8	1.1	2.86	249
401431127	2011	10	30	13	V	5.3	1	2.45	256
401431127	2011	10	30	14	V	3.0	0.9	2.3	277
401431127	2011	10	30	15	V	2.3	1	2.32	303
401431127	2011	10	30	16	V	2.9	0.8	2.28	307
401431127	2011	10	30	17	V	4.2	0.5	1.5	321
401431127	2011	10	30	18	V	4.1	0.4	1.13	276
401431127	2011	10	30	19	V	2.3	0.6	1.37	317
401431127	2011	10	30	20	V	2.7	0.9	0.94	248
401431127	2011	10	30	21	C	-999	0.8	0	0
401431127	2011	10	30	22	C	-999	1.2	0	0
401431127	2011	10	30	23	V	2.8	1.4	0.52	266
401431127	2011	10	30	24	C	-999	1.6	0	0
401431127	2011	10	31	1	V	14.3	1.1	1.03	206
401431127	2011	10	31	2	C	-999	0.6	0	0
401431127	2011	10	31	3	V	1.3	0.8	0.57	236
401431127	2011	10	31	4	V	2.7	0.5	0.74	193
401431127	2011	10	31	5	V	4.7	0.5	0.84	197
401431127	2011	10	31	6	V	3.7	0.7	0.6	223
401431127	2011	10	31	7	C	-999	1.6	0	0
401431127	2011	10	31	8	V	9.1	4.4	0.8	216
401431127	2011	10	31	9	V	2.7	8.5	0.75	167
401431127	2011	10	31	10	V	3.0	10.8	1.21	186
401431127	2011	10	31	11	V	3.2	4.2	3.64	193
401431127	2011	10	31	12	V	2.7	2.1	4.36	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	10	31	13	V	5.4	1.8	4.34	188
401431127	2011	10	31	14	V	3.1	1.5	5.33	192
401431127	2011	10	31	15	V	2.3	1.5	5.27	190
401431127	2011	10	31	16	V	2.9	1.9	5.62	187
401431127	2011	10	31	17	V	4.2	1.7	4.61	192
401431127	2011	10	31	18	V	4.1	1.5	2.52	187
401431127	2011	10	31	19	V	6.2	1.5	1.28	198
401431127	2011	10	31	20	V	19.6	1.1	1.28	206
401431127	2011	10	31	21	V	23.7	1.1	2.15	207
401431127	2011	10	31	22	V	23.5	1.1	1.98	210
401431127	2011	10	31	23	V	14.0	1.1	1.21	203
401431127	2011	10	31	24	V	2.1	1	1.16	187
401431127	2011	11	1	1	V	4.6	0.9	0.65	197
401431127	2011	11	1	2	V	1.7	1	0.89	155
401431127	2011	11	1	3	V	1.1	1	0.94	153
401431127	2011	11	1	4	V	1.6	1.6	1.16	152
401431127	2011	11	1	5	V	1.8	2.1	2.13	156
401431127	2011	11	1	6	V	1.5	2.1	2.66	154
401431127	2011	11	1	7	V	1.5	1.8	2.06	156
401431127	2011	11	1	8	V	2.7	1.8	3.15	164
401431127	2011	11	1	9	V	1.5	1.9	4.54	170
401431127	2011	11	1	10	V	1.4	1.8	6.79	185
401431127	2011	11	1	11	V	2.6	1.8	7.89	181
401431127	2011	11	1	12	V	2.7	1.8	7.62	179
401431127	2011	11	1	13	V	5.2	1.7	8.23	181
401431127	2011	11	1	14	V	2.9	1.5	8.62	183
401431127	2011	11	1	15	V	2.2	1.5	8.22	182
401431127	2011	11	1	16	V	2.8	1.9	8.03	177
401431127	2011	11	1	17	V	4.2	1.7	7.32	172
401431127	2011	11	1	18	V	4.0	1.7	6.29	169
401431127	2011	11	1	19	V	2.2	2	5.02	170
401431127	2011	11	1	20	V	2.6	2.2	4.51	169
401431127	2011	11	1	21	V	2.0	2.3	4.7	174
401431127	2011	11	1	22	V	2.2	1.7	4.32	179
401431127	2011	11	1	23	V	2.3	1.4	4.02	174
401431127	2011	11	1	24	V	1.9	1.4	3.83	169
401431127	2011	11	2	1	V	1.2	2.4	2.84	162
401431127	2011	11	2	2	V	1.5	2.7	3.71	166
401431127	2011	11	2	3	V	1.0	2.2	3.83	163
401431127	2011	11	2	4	V	1.5	1.8	4.07	165
401431127	2011	11	2	5	V	1.7	1.6	4.03	164
401431127	2011	11	2	6	V	1.5	1.4	3.88	164
401431127	2011	11	2	7	V	1.5	1.1	4.26	167
401431127	2011	11	2	8	V	2.7	1.2	5.45	170
401431127	2011	11	2	9	V	1.5	1.2	6.58	176
401431127	2011	11	2	10	V	1.4	1.1	6.79	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	2	11	V	2.7	1.2	7.13	191
401431127	2011	11	2	12	V	2.7	0.9	8.39	185
401431127	2011	11	2	13	V	5.2	0.7	7.06	185
401431127	2011	11	2	14	V	2.9	0.6	5.67	185
401431127	2011	11	2	15	V	2.2	0.6	5.38	184
401431127	2011	11	2	16	V	3.2	0.6	4.36	196
401431127	2011	11	2	17	V	4.2	0.8	3.78	252
401431127	2011	11	2	18	V	4.1	0.5	3.71	283
401431127	2011	11	2	19	V	2.3	0.4	4.51	311
401431127	2011	11	2	20	V	2.6	0.4	4.53	313
401431127	2011	11	2	21	V	2.1	0.4	5.43	314
401431127	2011	11	2	22	V	2.3	0.4	4.61	319
401431127	2011	11	2	23	V	2.4	0.4	4.32	316
401431127	2011	11	2	24	V	1.9	0.3	4.34	317
401431127	2011	11	3	1	V	1.3	0.3	4.59	315
401431127	2011	11	3	2	V	1.6	0.3	5.12	326
401431127	2011	11	3	3	V	1.0	0.3	4.53	324
401431127	2011	11	3	4	V	1.5	0.3	3.17	304
401431127	2011	11	3	5	V	1.8	0.3	3.4	298
401431127	2011	11	3	6	V	1.5	0.3	3.1	305
401431127	2011	11	3	7	V	1.5	0.4	3.32	311
401431127	2011	11	3	8	V	2.7	0.4	3.49	309
401431127	2011	11	3	9	V	1.5	0.4	4.02	308
401431127	2011	11	3	10	V	1.4	0.5	4.77	308
401431127	2011	11	3	11	V	2.6	0.6	4.42	312
401431127	2011	11	3	12	V	2.7	0.5	4.94	323
401431127	2011	11	3	13	V	5.2	0.5	4.82	332
401431127	2011	11	3	14	V	2.9	0.5	4.37	337
401431127	2011	11	3	15	V	2.2	0.5	4.2	340
401431127	2011	11	3	16	V	2.9	0.5	3.91	333
401431127	2011	11	3	17	V	4.3	0.5	3.17	341
401431127	2011	11	3	18	V	4.1	0.5	1.23	314
401431127	2011	11	3	19	V	2.4	0.7	1.03	296
401431127	2011	11	3	20	V	2.7	1.7	0.92	317
401431127	2011	11	3	21	V	2.2	2	0.94	322
401431127	2011	11	3	22	V	2.6	1.1	0.62	234
401431127	2011	11	3	23	V	10.2	0.4	0.62	205
401431127	2011	11	3	24	V	2.2	0.4	0.75	164
401431127	2011	11	4	1	V	1.4	0.4	0.86	243
401431127	2011	11	4	2	V	1.8	0.5	0.74	250
401431127	2011	11	4	3	C	-999	0.6	0	0
401431127	2011	11	4	4	C	-999	0.5	0	0
401431127	2011	11	4	5	V	2.0	0.8	0.65	242
401431127	2011	11	4	6	C	-999	1.5	0	0
401431127	2011	11	4	7	V	9.2	1.9	0.58	206
401431127	2011	11	4	8	C	-999	3.8	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	4	9	C	-999	2.6	0	0
401431127	2011	11	4	10	V	2.7	1.4	0.79	155
401431127	2011	11	4	11	V	3.0	2	1.48	131
401431127	2011	11	4	12	V	2.9	1.1	1.89	136
401431127	2011	11	4	13	V	5.4	0.9	1.93	154
401431127	2011	11	4	14	V	3.0	0.7	2.44	147
401431127	2011	11	4	15	V	2.2	0.8	3.42	135
401431127	2011	11	4	16	V	2.9	1.2	3.56	157
401431127	2011	11	4	17	V	4.2	4	3.59	174
401431127	2011	11	4	18	V	4.1	1.2	2.3	162
401431127	2011	11	4	19	V	2.4	0.9	1.09	155
401431127	2011	11	4	20	V	9.3	0.9	0.6	203
401431127	2011	11	4	21	V	2.2	1	1.14	168
401431127	2011	11	4	22	V	2.4	1.2	1.28	187
401431127	2011	11	4	23	V	2.4	0.6	2.4	175
401431127	2011	11	4	24	V	2.0	0.6	1.77	178
401431127	2011	11	5	1	V	1.3	0.5	2.01	162
401431127	2011	11	5	2	V	1.6	0.5	2.61	165
401431127	2011	11	5	3	V	1.0	0.5	2.95	165
401431127	2011	11	5	4	V	1.5	0.5	3.23	167
401431127	2011	11	5	5	V	1.7	0.4	3.22	162
401431127	2011	11	5	6	V	1.5	0.5	3.13	161
401431127	2011	11	5	7	V	1.5	0.5	3.8	158
401431127	2011	11	5	8	V	2.7	0.6	4.46	155
401431127	2011	11	5	9	V	1.5	0.6	4.92	156
401431127	2011	11	5	10	V	1.4	0.7	5.31	162
401431127	2011	11	5	11	V	2.6	0.8	6.33	167
401431127	2011	11	5	12	V	2.7	0.9	7.23	169
401431127	2011	11	5	13	V	5.2	0.8	7.37	158
401431127	2011	11	5	14	V	2.9	0.9	7.54	165
401431127	2011	11	5	15	V	2.2	0.9	7.64	158
401431127	2011	11	5	16	V	2.8	0.9	6.36	155
401431127	2011	11	5	17	V	4.2	0.9	5.31	157
401431127	2011	11	5	18	V	4.0	0.7	4.24	161
401431127	2011	11	5	19	V	2.2	0.7	4.54	170
401431127	2011	11	5	20	V	2.6	0.8	4.26	168
401431127	2011	11	5	21	V	2.0	0.8	3.98	167
401431127	2011	11	5	22	V	2.2	0.8	4.31	167
401431127	2011	11	5	23	V	2.3	0.8	4.14	169
401431127	2011	11	5	24	V	1.9	1	4.24	171
401431127	2011	11	6	1	V	1.2	1.2	4.95	171
401431127	2011	11	6	2	V	1.5	1.4	4.58	168
401431127	2011	11	6	3	V	1.0	1.4	4.46	165
401431127	2011	11	6	4	V	1.5	1.5	5.38	172
401431127	2011	11	6	5	V	1.7	1.4	5.85	176
401431127	2011	11	6	6	V	1.6	1.4	6.12	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	6	7	V	1.6	1.2	5.73	185
401431127	2011	11	6	8	V	2.9	1.1	5.04	186
401431127	2011	11	6	9	V	1.5	1	5.5	187
401431127	2011	11	6	10	V	1.4	1	6.58	185
401431127	2011	11	6	11	V	2.6	1.2	6.74	187
401431127	2011	11	6	12	V	2.7	1.2	6.8	183
401431127	2011	11	6	13	V	5.2	1.2	6.75	185
401431127	2011	11	6	14	V	2.9	1.1	6.67	185
401431127	2011	11	6	15	V	2.2	1.1	5.97	176
401431127	2011	11	6	16	V	2.8	1	6.47	174
401431127	2011	11	6	17	V	4.2	1	5.02	172
401431127	2011	11	6	18	V	4.1	1	3.58	168
401431127	2011	11	6	19	V	2.3	0.9	2.79	165
401431127	2011	11	6	20	V	2.6	0.9	2.15	167
401431127	2011	11	6	21	V	2.2	1	0.99	135
401431127	2011	11	6	22	V	2.3	0.9	1.35	148
401431127	2011	11	6	23	V	2.5	0.8	0.91	152
401431127	2011	11	6	24	V	2.0	0.7	1.47	127
401431127	2011	11	7	1	V	1.3	0.6	1.35	234
401431127	2011	11	7	2	V	1.6	0.6	1.54	136
401431127	2011	11	7	3	V	1.0	0.6	1.69	130
401431127	2011	11	7	4	V	1.5	0.6	1.84	111
401431127	2011	11	7	5	V	1.8	0.6	2.5	125
401431127	2011	11	7	6	V	1.6	0.6	0.91	159
401431127	2011	11	7	7	V	1.6	0.6	1.64	154
401431127	2011	11	7	8	V	2.7	0.6	2.81	156
401431127	2011	11	7	9	V	1.6	0.6	3.29	149
401431127	2011	11	7	10	V	1.5	0.6	2.96	147
401431127	2011	11	7	11	V	2.6	0.6	5.43	140
401431127	2011	11	7	12	V	2.7	0.6	5.96	143
401431127	2011	11	7	13	V	5.2	0.6	5.62	154
401431127	2011	11	7	14	V	2.9	0.7	4.83	164
401431127	2011	11	7	15	V	2.2	0.7	6.4	158
401431127	2011	11	7	16	V	2.8	0.7	5.95	161
401431127	2011	11	7	17	V	4.2	0.8	6.11	162
401431127	2011	11	7	18	V	4.0	0.8	5.96	165
401431127	2011	11	7	19	V	2.2	0.8	5.94	159
401431127	2011	11	7	20	V	2.6	0.7	5.05	156
401431127	2011	11	7	21	V	2.0	0.7	5.29	162
401431127	2011	11	7	22	V	2.2	0.7	5.21	165
401431127	2011	11	7	23	V	2.4	0.7	4.42	164
401431127	2011	11	7	24	V	1.9	0.6	2.23	303
401431127	2011	11	8	1	V	1.3	0.6	3.08	282
401431127	2011	11	8	2	V	1.6	0.6	2.08	97
401431127	2011	11	8	3	V	1.0	0.6	3.64	129
401431127	2011	11	8	4	V	1.5	0.6	2.13	116

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	8	5	V	1.8	0.6	2.64	143
401431127	2011	11	8	6	V	1.5	0.6	2.54	119
401431127	2011	11	8	7	V	1.5	0.6	2.05	129
401431127	2011	11	8	8	V	2.7	0.6	2.45	137
401431127	2011	11	8	9	V	1.6	0.7	2.98	140
401431127	2011	11	8	10	V	1.5	0.7	4.25	105
401431127	2011	11	8	11	V	2.8	0.6	2.47	110
401431127	2011	11	8	12	V	2.7	0.6	3.44	159
401431127	2011	11	8	13	V	5.3	0.6	3.52	145
401431127	2011	11	8	14	V	3.0	0.7	2.37	162
401431127	2011	11	8	15	V	6.9	0.8	2.44	213
401431127	2011	11	8	16	V	2.9	0.7	2.96	257
401431127	2011	11	8	17	V	4.2	0.6	4.17	248
401431127	2011	11	8	18	V	4.1	0.6	4	249
401431127	2011	11	8	19	V	2.3	0.6	3.34	250
401431127	2011	11	8	20	V	2.6	0.7	3.73	258
401431127	2011	11	8	21	V	2.1	0.7	3.52	262
401431127	2011	11	8	22	V	2.3	0.6	4.46	266
401431127	2011	11	8	23	V	2.4	0.6	3.88	276
401431127	2011	11	8	24	V	1.9	0.5	4.29	276
401431127	2011	11	9	1	V	1.3	0.5	4.77	309
401431127	2011	11	9	2	V	1.6	0.6	4.95	317
401431127	2011	11	9	3	V	1.0	0.5	4.56	326
401431127	2011	11	9	4	V	1.5	0.5	4.54	338
401431127	2011	11	9	5	V	1.8	0.5	3.41	335
401431127	2011	11	9	6	V	1.5	0.5	3.71	341
401431127	2011	11	9	7	V	1.5	0.5	2.27	336
401431127	2011	11	9	8	V	2.7	0.5	1.72	302
401431127	2011	11	9	9	V	1.6	0.6	2.57	316
401431127	2011	11	9	10	V	1.5	0.7	3.18	327
401431127	2011	11	9	11	V	2.7	0.7	3.52	331
401431127	2011	11	9	12	V	2.7	0.7	3.74	343
401431127	2011	11	9	13	V	5.3	0.6	4.41	346
401431127	2011	11	9	14	V	2.9	0.7	4.07	348
401431127	2011	11	9	15	V	2.2	0.8	3.81	344
401431127	2011	11	9	16	V	2.9	0.8	3.64	330
401431127	2011	11	9	17	V	4.2	0.7	3.58	332
401431127	2011	11	9	18	V	4.1	0.7	2.33	333
401431127	2011	11	9	19	V	2.3	0.6	1.55	321
401431127	2011	11	9	20	V	2.6	0.6	1.45	310
401431127	2011	11	9	21	V	2.2	1	1.03	295
401431127	2011	11	9	22	V	2.4	1.1	0.89	292
401431127	2011	11	9	23	V	5.5	0.8	0.77	197
401431127	2011	11	9	24	V	6.6	1.2	0.75	218
401431127	2011	11	10	1	V	14.0	1	1.14	204
401431127	2011	11	10	2	V	2.1	0.6	0.53	234

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	10	3	C	-999	0.8	0	0
401431127	2011	11	10	4	C	-999	0.8	0	0
401431127	2011	11	10	5	C	-999	1	0	0
401431127	2011	11	10	6	V	10.8	0.9	0.7	206
401431127	2011	11	10	7	V	12.2	0.8	0.86	205
401431127	2011	11	10	8	V	3.5	1.3	0.89	224
401431127	2011	11	10	9	V	3.0	1.2	1.67	227
401431127	2011	11	10	10	V	3.2	2	2.16	223
401431127	2011	11	10	11	V	3.0	5.4	2.79	229
401431127	2011	11	10	12	V	2.8	1.6	2.54	239
401431127	2011	11	10	13	V	5.3	-999	2.98	281
401431127	2011	11	10	14	V	2.9	-999	3.06	286
401431127	2011	11	10	15	V	2.2	0.4	3.1	282
401431127	2011	11	10	16	V	2.8	0.4	2.79	268
401431127	2011	11	10	17	V	4.3	0.4	1.99	246
401431127	2011	11	10	18	V	4.1	0.3	1.25	233
401431127	2011	11	10	19	C	-999	0.7	0	0
401431127	2011	11	10	20	V	2.9	0.8	0.58	260
401431127	2011	11	10	21	V	3.8	1.6	0.57	225
401431127	2011	11	10	22	V	2.7	2.1	0.53	326
401431127	2011	11	10	23	V	2.7	3.2	0.55	270
401431127	2011	11	10	24	V	2.1	7	0.89	160
401431127	2011	11	11	1	V	5.0	9.5	1.7	199
401431127	2011	11	11	2	V	2.1	3.1	1.87	195
401431127	2011	11	11	3	V	19.2	7.6	1.25	209
401431127	2011	11	11	4	V	1.8	11.4	0.72	233
401431127	2011	11	11	5	V	24.8	2.4	1.82	208
401431127	2011	11	11	6	V	7.2	0.8	4.39	216
401431127	2011	11	11	7	V	3.1	0.7	2.96	195
401431127	2011	11	11	8	V	4.1	9.1	2.76	195
401431127	2011	11	11	9	V	1.7	18.8	2.5	183
401431127	2011	11	11	10	V	2.5	0.8	4.65	200
401431127	2011	11	11	11	V	3.6	1.9	6.55	206
401431127	2011	11	11	12	V	3.7	1.4	7.98	206
401431127	2011	11	11	13	V	6.2	3.5	7.79	205
401431127	2011	11	11	14	V	3.8	2.5	7.6	204
401431127	2011	11	11	15	V	3.2	2.1	7.13	205
401431127	2011	11	11	16	V	3.0	7.8	6.07	195
401431127	2011	11	11	17	V	5.0	1.9	6.23	191
401431127	2011	11	11	18	V	6.5	3.6	5.12	196
401431127	2011	11	11	19	V	2.4	0.5	3.81	188
401431127	2011	11	11	20	V	2.6	0.5	2.16	184
401431127	2011	11	11	21	V	2.1	0.5	1.69	180
401431127	2011	11	11	22	V	6.2	0.4	0.69	198
401431127	2011	11	11	23	V	2.5	0.4	1.96	191
401431127	2011	11	11	24	V	2.0	0.5	3.25	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	12	1	V	1.3	0.5	1.84	187
401431127	2011	11	12	2	V	1.6	0.7	2.73	185
401431127	2011	11	12	3	V	1.1	0.9	4.12	187
401431127	2011	11	12	4	V	1.8	1.1	5.27	188
401431127	2011	11	12	5	V	2.1	1.1	4.9	189
401431127	2011	11	12	6	V	1.5	0.9	4.37	183
401431127	2011	11	12	7	V	1.5	0.8	5.34	183
401431127	2011	11	12	8	V	2.7	0.9	5.75	183
401431127	2011	11	12	9	V	1.5	0.9	7.23	182
401431127	2011	11	12	10	V	1.4	0.8	7.33	185
401431127	2011	11	12	11	V	2.6	0.9	8.39	184
401431127	2011	11	12	12	V	2.7	1	9.08	188
401431127	2011	11	12	13	V	5.3	0.9	9.02	193
401431127	2011	11	12	14	V	3.0	0.8	9.95	195
401431127	2011	11	12	15	V	2.3	0.8	8.86	192
401431127	2011	11	12	16	V	3.0	0.9	9.08	195
401431127	2011	11	12	17	V	4.9	0.9	7.2	191
401431127	2011	11	12	18	V	4.2	0.7	4.94	186
401431127	2011	11	12	19	V	2.3	0.6	4.71	183
401431127	2011	11	12	20	V	2.7	0.7	4.46	186
401431127	2011	11	12	21	V	2.4	0.6	5.53	189
401431127	2011	11	12	22	V	3.0	0.6	7.33	192
401431127	2011	11	12	23	V	4.1	0.6	9.2	197
401431127	2011	11	12	24	V	4.4	0.7	7.84	198
401431127	2011	11	13	1	V	3.2	0.7	7.23	196
401431127	2011	11	13	2	V	4.4	0.7	7.08	198
401431127	2011	11	13	3	V	3.1	0.7	6.53	196
401431127	2011	11	13	4	V	4.4	1.3	5.82	197
401431127	2011	11	13	5	V	4.9	0.9	6.45	198
401431127	2011	11	13	6	V	5.6	1	5.73	199
401431127	2011	11	13	7	V	7.6	11.5	4.26	200
401431127	2011	11	13	8	V	7.8	26.6	4.29	199
401431127	2011	11	13	9	V	2.4	6.8	5.89	202
401431127	2011	11	13	10	V	2.0	1.2	6.74	213
401431127	2011	11	13	11	V	3.4	1.4	6.6	213
401431127	2011	11	13	12	V	3.0	1.5	5.28	221
401431127	2011	11	13	13	V	5.9	1.5	6.35	214
401431127	2011	11	13	14	V	3.6	1.5	6.57	214
401431127	2011	11	13	15	V	2.8	1.5	5.67	216
401431127	2011	11	13	16	V	4.1	1.4	3.1	218
401431127	2011	11	13	17	V	4.3	1.3	0.99	282
401431127	2011	11	13	18	V	5.9	1.8	0.65	187
401431127	2011	11	13	19	V	10.8	2.1	0.8	215
401431127	2011	11	13	20	V	2.6	1.4	2.35	187
401431127	2011	11	13	21	V	2.7	0.8	4.49	191
401431127	2011	11	13	22	V	2.3	0.8	3.54	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	13	23	V	4.3	0.9	4.92	195
401431127	2011	11	13	24	V	6.2	0.9	5.44	199
401431127	2011	11	14	1	V	6.4	3.3	5.39	200
401431127	2011	11	14	2	V	7.1	12.1	4.85	200
401431127	2011	11	14	3	V	10.5	9.2	4.17	203
401431127	2011	11	14	4	V	2.0	6.3	3.03	192
401431127	2011	11	14	5	V	5.8	21.8	4.27	198
401431127	2011	11	14	6	V	6.4	16.8	3.2	199
401431127	2011	11	14	7	V	19.0	9.9	3.05	207
401431127	2011	11	14	8	V	7.2	1.7	3.97	219
401431127	2011	11	14	9	V	1.6	0.9	2.37	247
401431127	2011	11	14	10	V	1.6	0.6	2.33	295
401431127	2011	11	14	11	V	2.8	0.4	2.21	323
401431127	2011	11	14	12	V	2.9	0.4	1.45	310
401431127	2011	11	14	13	V	5.4	0.5	1.69	317
401431127	2011	11	14	14	V	3.0	0.4	1.72	342
401431127	2011	11	14	15	V	2.4	0.5	1.47	353
401431127	2011	11	14	16	V	3.1	0.6	0.92	271
401431127	2011	11	14	17	V	4.3	1.2	1.47	358
401431127	2011	11	14	18	V	4.1	1.2	1.21	333
401431127	2011	11	14	19	V	2.3	1	1.99	13
401431127	2011	11	14	20	V	2.6	0.7	2.1	108
401431127	2011	11	14	21	V	2.1	0.6	2.28	99
401431127	2011	11	14	22	V	2.3	0.5	1.4	134
401431127	2011	11	14	23	V	2.5	0.4	1.03	299
401431127	2011	11	14	24	V	2.8	0.4	1.67	196
401431127	2011	11	15	1	V	1.3	0.4	3.86	174
401431127	2011	11	15	2	V	1.6	0.4	3.12	178
401431127	2011	11	15	3	V	1.0	0.4	1.23	359
401431127	2011	11	15	4	V	1.6	0.4	1.21	7
401431127	2011	11	15	5	V	2.0	0.3	0.69	356
401431127	2011	11	15	6	C	-999	0.6	0	0
401431127	2011	11	15	7	V	1.7	0.8	0.82	16
401431127	2011	11	15	8	V	3.0	1	0.65	25
401431127	2011	11	15	9	V	1.8	0.9	1.7	15
401431127	2011	11	15	10	V	2.1	0.7	1.72	26
401431127	2011	11	15	11	V	3.7	0.6	1.84	31
401431127	2011	11	15	12	V	4.2	0.7	1.77	33
401431127	2011	11	15	13	V	7.7	0.7	2.08	39
401431127	2011	11	15	14	V	3.7	0.7	2.78	31
401431127	2011	11	15	15	V	2.7	1.1	2.88	31
401431127	2011	11	15	16	V	2.9	1.3	2.86	25
401431127	2011	11	15	17	V	4.3	0.8	2.67	21
401431127	2011	11	15	18	V	4.1	0.8	1.93	6
401431127	2011	11	15	19	V	2.3	0.6	2.52	7
401431127	2011	11	15	20	V	2.6	0.7	3.49	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	15	21	V	2.1	0.5	2.62	6
401431127	2011	11	15	22	V	2.3	0.5	3.29	8
401431127	2011	11	15	23	V	2.4	0.5	4.15	16
401431127	2011	11	15	24	V	1.9	0.5	5.24	13
401431127	2011	11	16	1	V	1.2	0.6	5.12	11
401431127	2011	11	16	2	V	1.5	0.6	5.6	11
401431127	2011	11	16	3	V	1.0	0.6	5.29	10
401431127	2011	11	16	4	V	1.5	0.5	4.56	15
401431127	2011	11	16	5	V	1.8	0.4	4.09	17
401431127	2011	11	16	6	V	1.5	0.3	4.14	17
401431127	2011	11	16	7	V	1.5	0.3	5.16	15
401431127	2011	11	16	8	V	2.7	0.4	5.67	16
401431127	2011	11	16	9	V	1.5	0.5	6.02	23
401431127	2011	11	16	10	V	1.4	0.6	7.67	27
401431127	2011	11	16	11	V	2.6	0.7	7.01	26
401431127	2011	11	16	12	V	2.7	0.5	7.99	24
401431127	2011	11	16	13	V	5.2	0.5	8.56	23
401431127	2011	11	16	14	V	2.9	0.6	8.39	16
401431127	2011	11	16	15	V	2.2	0.3	7.62	14
401431127	2011	11	16	16	V	2.8	0.3	7.54	24
401431127	2011	11	16	17	V	4.2	0.8	6.72	24
401431127	2011	11	16	18	V	4.1	0.8	4.94	23
401431127	2011	11	16	19	V	2.2	0.3	5.87	3
401431127	2011	11	16	20	V	2.6	0.3	5.14	11
401431127	2011	11	16	21	V	2.1	0.2	2.96	4
401431127	2011	11	16	22	V	2.3	0.2	1.77	334
401431127	2011	11	16	23	V	2.4	0.2	2.13	337
401431127	2011	11	16	24	V	1.9	0.2	1.89	330
401431127	2011	11	17	1	V	1.3	0.2	2.03	337
401431127	2011	11	17	2	V	1.6	0.2	1.21	342
401431127	2011	11	17	3	V	1.1	0.3	1.23	308
401431127	2011	11	17	4	V	1.6	0.2	1.18	290
401431127	2011	11	17	5	V	1.8	0.2	1.28	358
401431127	2011	11	17	6	V	1.7	0.3	0.7	319
401431127	2011	11	17	7	V	1.7	0.7	0.97	251
401431127	2011	11	17	8	V	14.7	1.7	0.89	207
401431127	2011	11	17	9	V	9.2	1.3	0.89	204
401431127	2011	11	17	10	V	1.9	0.5	1.48	137
401431127	2011	11	17	11	V	3.0	0.6	1.79	140
401431127	2011	11	17	12	V	2.9	4.4	2.4	184
401431127	2011	11	17	13	V	6.0	5.6	3.29	194
401431127	2011	11	17	14	V	3.5	5.5	3.93	195
401431127	2011	11	17	15	V	2.2	2.7	4.27	185
401431127	2011	11	17	16	V	2.9	1.5	4.48	177
401431127	2011	11	17	17	V	4.2	0.6	4.09	168
401431127	2011	11	17	18	V	4.0	0.7	3.13	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	17	19	V	2.2	0.8	3.23	161
401431127	2011	11	17	20	V	2.6	0.7	3.51	165
401431127	2011	11	17	21	V	2.0	0.8	4.15	172
401431127	2011	11	17	22	V	2.2	0.6	3.51	169
401431127	2011	11	17	23	V	2.3	0.5	3.1	168
401431127	2011	11	17	24	V	1.9	0.6	4	176
401431127	2011	11	18	1	V	1.3	0.7	3.34	183
401431127	2011	11	18	2	V	1.6	0.8	3.85	183
401431127	2011	11	18	3	V	1.0	0.8	4.15	178
401431127	2011	11	18	4	V	1.5	1.1	5.38	172
401431127	2011	11	18	5	V	1.7	1.7	5.43	174
401431127	2011	11	18	6	V	1.5	2	4.97	173
401431127	2011	11	18	7	V	1.5	2.4	5.07	171
401431127	2011	11	18	8	V	2.7	4.1	5.05	171
401431127	2011	11	18	9	V	1.5	3.6	7.59	175
401431127	2011	11	18	10	V	1.4	2.3	8.91	178
401431127	2011	11	18	11	V	2.6	2.5	8.91	175
401431127	2011	11	18	12	V	2.7	2.8	8.85	176
401431127	2011	11	18	13	V	5.2	2.8	9.39	179
401431127	2011	11	18	14	V	2.9	2.4	8.86	181
401431127	2011	11	18	15	V	2.2	2.2	8.27	174
401431127	2011	11	18	16	V	2.8	1.6	8.44	186
401431127	2011	11	18	17	V	4.2	1.2	7.35	182
401431127	2011	11	18	18	V	4.0	1.1	5.36	175
401431127	2011	11	18	19	V	2.2	1.1	4.83	165
401431127	2011	11	18	20	V	2.6	1.4	4.31	167
401431127	2011	11	18	21	V	2.0	2.3	5.27	166
401431127	2011	11	18	22	V	2.2	3	5.58	159
401431127	2011	11	18	23	V	2.3	3.1	5.22	161
401431127	2011	11	18	24	V	1.9	3.3	5.04	163
401431127	2011	11	19	1	V	1.2	3.3	7.31	170
401431127	2011	11	19	2	V	1.5	3	6.67	171
401431127	2011	11	19	3	V	1.0	2.1	6.79	177
401431127	2011	11	19	4	V	1.6	1.3	7.15	184
401431127	2011	11	19	5	V	2.1	0.9	5.9	188
401431127	2011	11	19	6	V	1.7	0.8	6.5	187
401431127	2011	11	19	7	V	1.6	0.7	6.84	185
401431127	2011	11	19	8	V	2.8	0.6	6.75	184
401431127	2011	11	19	9	V	1.5	0.7	6.74	187
401431127	2011	11	19	10	V	1.5	0.7	8.66	191
401431127	2011	11	19	11	V	2.8	1.4	9.44	197
401431127	2011	11	19	12	V	2.9	3.5	9.51	198
401431127	2011	11	19	13	V	5.7	3.4	8.83	201
401431127	2011	11	19	14	V	3.4	3.4	7.89	200
401431127	2011	11	19	15	V	2.3	2.1	8.1	192
401431127	2011	11	19	16	V	2.8	1.8	6.53	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	19	17	V	4.3	1.3	5.09	184
401431127	2011	11	19	18	V	4.1	0.8	3.66	185
401431127	2011	11	19	19	V	2.3	0.8	2.49	176
401431127	2011	11	19	20	V	2.6	1.3	2.33	167
401431127	2011	11	19	21	V	2.0	0.6	5.6	2
401431127	2011	11	19	22	V	2.3	0.4	5.11	7
401431127	2011	11	19	23	V	2.3	0.4	5.94	12
401431127	2011	11	19	24	V	1.9	0.4	5.34	17
401431127	2011	11	20	1	V	1.2	0.4	5.87	19
401431127	2011	11	20	2	V	1.5	0.4	5.67	19
401431127	2011	11	20	3	V	1.0	0.4	5.29	24
401431127	2011	11	20	4	V	1.5	0.4	4.7	25
401431127	2011	11	20	5	V	1.8	0.4	4.1	11
401431127	2011	11	20	6	V	1.5	0.4	4.1	5
401431127	2011	11	20	7	V	1.5	0.4	4.41	9
401431127	2011	11	20	8	V	2.7	0.4	4.29	3
401431127	2011	11	20	9	V	1.5	0.4	3.68	357
401431127	2011	11	20	10	V	1.5	0.4	3.37	348
401431127	2011	11	20	11	V	2.7	0.4	3.13	339
401431127	2011	11	20	12	V	2.7	0.4	3.07	341
401431127	2011	11	20	13	V	5.3	0.4	2.78	334
401431127	2011	11	20	14	V	3.0	0.5	2.95	343
401431127	2011	11	20	15	V	2.3	0.4	2.88	355
401431127	2011	11	20	16	V	2.9	0.4	2.62	357
401431127	2011	11	20	17	V	4.3	0.4	2.52	10
401431127	2011	11	20	18	V	4.1	0.4	2.42	17
401431127	2011	11	20	19	V	2.3	0.5	3.22	22
401431127	2011	11	20	20	V	2.6	0.4	3.52	18
401431127	2011	11	20	21	V	2.1	0.4	3.08	11
401431127	2011	11	20	22	V	2.3	0.4	2.18	13
401431127	2011	11	20	23	V	2.4	0.4	2.5	3
401431127	2011	11	20	24	V	1.9	0.4	2.25	352
401431127	2011	11	21	1	V	1.3	0.3	2.18	346
401431127	2011	11	21	2	V	1.6	0.3	2.76	3
401431127	2011	11	21	3	V	1.0	0.3	2.73	356
401431127	2011	11	21	4	V	1.5	0.4	2.44	348
401431127	2011	11	21	5	V	1.8	0.4	1.84	351
401431127	2011	11	21	6	V	1.5	0.4	2.33	1
401431127	2011	11	21	7	V	1.5	0.4	2.49	11
401431127	2011	11	21	8	V	2.7	0.4	2.69	7
401431127	2011	11	21	9	V	1.5	0.5	2.76	15
401431127	2011	11	21	10	V	1.6	0.5	2.11	8
401431127	2011	11	21	11	V	2.7	0.5	3.13	13
401431127	2011	11	21	12	V	2.8	0.8	1.94	20
401431127	2011	11	21	13	V	5.8	1.5	2.33	61
401431127	2011	11	21	14	V	3.0	1.1	2.79	25

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	21	15	V	2.3	1.7	2.22	4
401431127	2011	11	21	16	V	2.9	1.1	3	4
401431127	2011	11	21	17	V	4.2	-999	3.63	20
401431127	2011	11	21	18	V	4.1	0.6	4.08	25
401431127	2011	11	21	19	V	2.3	0.5	4.34	11
401431127	2011	11	21	20	V	2.6	0.4	2.37	355
401431127	2011	11	21	21	V	2.1	0.4	4.65	357
401431127	2011	11	21	22	V	2.3	0.4	3.01	4
401431127	2011	11	21	23	V	2.4	0.5	2.08	8
401431127	2011	11	21	24	V	1.9	0.5	1.99	331
401431127	2011	11	22	1	V	1.3	0.4	2.66	337
401431127	2011	11	22	2	V	1.6	0.4	3.01	342
401431127	2011	11	22	3	V	1.0	0.4	3.8	337
401431127	2011	11	22	4	V	1.5	0.5	2.64	316
401431127	2011	11	22	5	V	1.8	0.4	3.32	336
401431127	2011	11	22	6	V	1.5	0.5	2.62	338
401431127	2011	11	22	7	V	1.5	0.5	2.05	333
401431127	2011	11	22	8	V	2.7	0.5	1.26	318
401431127	2011	11	22	9	V	1.7	0.5	1.33	301
401431127	2011	11	22	10	V	1.5	0.5	2.4	307
401431127	2011	11	22	11	V	2.7	0.5	2.93	304
401431127	2011	11	22	12	V	2.8	0.5	2.49	307
401431127	2011	11	22	13	V	5.3	0.6	2.55	302
401431127	2011	11	22	14	V	3.0	0.6	2.73	305
401431127	2011	11	22	15	V	2.2	0.5	3.01	304
401431127	2011	11	22	16	V	2.9	0.6	2.74	306
401431127	2011	11	22	17	V	4.3	0.6	2.1	305
401431127	2011	11	22	18	V	4.1	0.6	2.13	299
401431127	2011	11	22	19	V	2.3	0.5	1.21	314
401431127	2011	11	22	20	V	2.8	0.5	0.8	297
401431127	2011	11	22	21	V	2.2	0.6	0.94	293
401431127	2011	11	22	22	V	2.4	0.9	0.79	296
401431127	2011	11	22	23	V	2.6	1.2	0.67	266
401431127	2011	11	22	24	V	2.1	1.5	0.75	255
401431127	2011	11	23	1	V	1.5	1.6	0.7	245
401431127	2011	11	23	2	C	-999	1.6	0	0
401431127	2011	11	23	3	C	-999	1.5	0	0
401431127	2011	11	23	4	V	11.9	1	0.86	213
401431127	2011	11	23	5	C	-999	1.5	0	0
401431127	2011	11	23	6	V	1.8	1.6	0.62	239
401431127	2011	11	23	7	V	5.0	1.8	0.96	219
401431127	2011	11	23	8	C	-999	2.7	0	0
401431127	2011	11	23	9	V	8.4	3.4	0.55	210
401431127	2011	11	23	10	V	2.9	2.8	0.97	181
401431127	2011	11	23	11	V	3.5	1.1	1.03	154
401431127	2011	11	23	12	V	3.3	1.4	1.33	154

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	23	13	V	6.0	10.7	2.33	188
401431127	2011	11	23	14	V	3.3	9.2	2.52	188
401431127	2011	11	23	15	V	2.3	5.4	2.2	168
401431127	2011	11	23	16	V	2.9	2.1	2.67	144
401431127	2011	11	23	17	V	4.2	1.2	2.66	146
401431127	2011	11	23	18	V	4.1	1.4	1.62	161
401431127	2011	11	23	19	V	2.5	2	0.77	167
401431127	2011	11	23	20	V	11.8	3.1	0.77	204
401431127	2011	11	23	21	V	6.7	3.9	0.89	218
401431127	2011	11	23	22	V	5.8	2.9	1.03	198
401431127	2011	11	23	23	V	4.1	0.6	0.69	194
401431127	2011	11	23	24	C	-999	0.6	0	0
401431127	2011	11	24	1	V	2.2	0.6	0.89	193
401431127	2011	11	24	2	V	3.5	0.9	0.65	194
401431127	2011	11	24	3	V	10.2	1.1	1.08	202
401431127	2011	11	24	4	V	1.8	1	0.84	187
401431127	2011	11	24	5	V	1.9	0.5	0.94	159
401431127	2011	11	24	6	V	1.5	0.5	2.11	178
401431127	2011	11	24	7	V	1.6	0.5	1.26	176
401431127	2011	11	24	8	V	2.7	0.5	2.59	162
401431127	2011	11	24	9	V	1.6	0.5	3.91	170
401431127	2011	11	24	10	V	1.4	0.5	4.71	177
401431127	2011	11	24	11	V	2.7	0.5	4.54	180
401431127	2011	11	24	12	V	2.7	0.5	5.29	181
401431127	2011	11	24	13	V	5.3	0.8	4.56	162
401431127	2011	11	24	14	V	2.9	0.9	5.44	158
401431127	2011	11	24	15	V	2.2	0.8	6.02	166
401431127	2011	11	24	16	V	2.8	0.7	5.87	166
401431127	2011	11	24	17	V	4.2	0.7	5.46	165
401431127	2011	11	24	18	V	4.0	0.6	4.53	170
401431127	2011	11	24	19	V	2.2	0.6	4.14	175
401431127	2011	11	24	20	V	2.6	0.5	4.17	174
401431127	2011	11	24	21	V	2.0	0.5	4.6	170
401431127	2011	11	24	22	V	2.2	0.5	4.83	173
401431127	2011	11	24	23	V	2.3	0.5	5.07	176
401431127	2011	11	24	24	V	1.9	0.6	5.82	174
401431127	2011	11	25	1	V	1.2	0.6	5.16	175
401431127	2011	11	25	2	V	1.6	0.7	3.97	177
401431127	2011	11	25	3	V	1.0	0.7	5.5	176
401431127	2011	11	25	4	V	1.5	0.7	6.09	177
401431127	2011	11	25	5	V	1.8	0.7	5.82	180
401431127	2011	11	25	6	V	1.5	0.7	6.16	182
401431127	2011	11	25	7	V	1.6	0.6	5.58	182
401431127	2011	11	25	8	V	2.7	0.6	6.02	181
401431127	2011	11	25	9	V	1.5	0.6	6.41	181
401431127	2011	11	25	10	V	1.4	0.7	7.65	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	25	11	V	2.6	0.8	8.01	185
401431127	2011	11	25	12	V	2.7	0.9	9.05	185
401431127	2011	11	25	13	V	5.2	0.9	8.95	186
401431127	2011	11	25	14	V	2.9	0.8	7.96	182
401431127	2011	11	25	15	V	2.2	0.8	6.89	185
401431127	2011	11	25	16	V	2.9	0.8	6.14	191
401431127	2011	11	25	17	V	4.3	0.7	5.72	182
401431127	2011	11	25	18	V	4.1	0.7	5.16	180
401431127	2011	11	25	19	V	2.3	0.7	4.05	176
401431127	2011	11	25	20	V	2.6	0.7	3.8	166
401431127	2011	11	25	21	V	2.1	0.8	3.88	162
401431127	2011	11	25	22	V	2.3	1	4.27	168
401431127	2011	11	25	23	V	2.4	1.2	3.41	164
401431127	2011	11	25	24	V	1.9	1.1	2.84	154
401431127	2011	11	26	1	V	1.3	1	3.12	153
401431127	2011	11	26	2	V	1.6	0.9	3.01	162
401431127	2011	11	26	3	V	1.0	0.8	3.32	177
401431127	2011	11	26	4	V	1.5	0.7	3.29	181
401431127	2011	11	26	5	V	1.9	0.7	4.14	185
401431127	2011	11	26	6	V	1.6	0.7	4.82	185
401431127	2011	11	26	7	V	2.0	0.7	5.21	189
401431127	2011	11	26	8	V	12.1	0.7	4.75	205
401431127	2011	11	26	9	V	1.5	0.6	4.95	333
401431127	2011	11	26	10	V	1.5	0.6	3.74	329
401431127	2011	11	26	11	V	2.6	0.5	4.49	321
401431127	2011	11	26	12	V	2.7	0.5	5.63	335
401431127	2011	11	26	13	V	5.2	0.5	5.17	330
401431127	2011	11	26	14	V	2.9	0.5	5.63	338
401431127	2011	11	26	15	V	2.2	0.5	5.16	342
401431127	2011	11	26	16	V	2.8	0.6	5.72	348
401431127	2011	11	26	17	V	4.2	0.6	4.31	345
401431127	2011	11	26	18	V	4.1	0.5	4.24	343
401431127	2011	11	26	19	V	2.3	0.6	4.63	343
401431127	2011	11	26	20	V	2.6	0.6	5.5	346
401431127	2011	11	26	21	V	2.0	0.5	5.68	345
401431127	2011	11	26	22	V	2.2	0.5	5.75	346
401431127	2011	11	26	23	V	2.3	0.5	5.89	343
401431127	2011	11	26	24	V	1.9	0.5	5.31	343
401431127	2011	11	27	1	V	1.2	0.5	5.29	342
401431127	2011	11	27	2	V	1.5	0.5	5.11	340
401431127	2011	11	27	3	V	1.0	0.4	5.24	342
401431127	2011	11	27	4	V	1.5	0.4	4.41	337
401431127	2011	11	27	5	V	1.8	0.4	4.14	334
401431127	2011	11	27	6	V	1.5	0.5	3.51	325
401431127	2011	11	27	7	V	1.5	0.5	3.39	320
401431127	2011	11	27	8	V	2.7	0.4	3.37	324

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	27	9	V	1.5	0.5	3.88	331
401431127	2011	11	27	10	V	1.4	0.5	4.71	339
401431127	2011	11	27	11	V	2.6	0.5	4.9	340
401431127	2011	11	27	12	V	2.7	0.5	4.92	342
401431127	2011	11	27	13	V	5.2	0.6	4.25	332
401431127	2011	11	27	14	V	2.9	0.6	3.86	326
401431127	2011	11	27	15	V	2.2	0.5	4.39	339
401431127	2011	11	27	16	V	2.8	0.5	3.83	340
401431127	2011	11	27	17	V	4.2	0.6	3.64	343
401431127	2011	11	27	18	V	4.1	0.5	1.88	335
401431127	2011	11	27	19	V	2.3	0.6	1.28	315
401431127	2011	11	27	20	V	2.6	0.5	1.55	317
401431127	2011	11	27	21	V	2.1	0.6	1.54	315
401431127	2011	11	27	22	V	2.4	0.5	1.03	307
401431127	2011	11	27	23	V	2.5	0.5	1.01	317
401431127	2011	11	27	24	V	2.0	0.5	1.33	317
401431127	2011	11	28	1	V	1.3	0.5	1.62	330
401431127	2011	11	28	2	V	1.6	0.5	1.09	235
401431127	2011	11	28	3	V	1.1	0.5	1.06	233
401431127	2011	11	28	4	V	1.7	0.5	0.72	274
401431127	2011	11	28	5	V	1.9	0.5	1.03	15
401431127	2011	11	28	6	V	1.6	0.5	1.01	288
401431127	2011	11	28	7	V	1.7	1.2	0.92	327
401431127	2011	11	28	8	V	2.9	1.9	0.7	310
401431127	2011	11	28	9	M	-999	1	1.38	348
401431127	2011	11	28	10	M	-999	0.7	2.25	36
401431127	2011	11	28	11	M	-999	0.8	2.2	13
401431127	2011	11	28	12	M	-999	0.8	2.55	1
401431127	2011	11	28	13	M	-999	0.7	2.54	8
401431127	2011	11	28	14	M	-999	0.8	1.89	356
401431127	2011	11	28	15	M	-999	0.7	2.5	23
401431127	2011	11	28	16	M	-999	0.7	1.96	330
401431127	2011	11	28	17	V	4.2	0.7	1.89	339
401431127	2011	11	28	18	V	4.2	1	0.91	288
401431127	2011	11	28	19	V	2.3	2.1	1.13	337
401431127	2011	11	28	20	V	2.8	2.1	0.77	306
401431127	2011	11	28	21	V	2.2	2.9	0.8	313
401431127	2011	11	28	22	V	2.5	1.9	0.63	358
401431127	2011	11	28	23	V	2.5	2	0.82	295
401431127	2011	11	28	24	V	2.0	1.1	0.97	307
401431127	2011	11	29	1	V	1.6	1.1	0.63	138
401431127	2011	11	29	2	V	1.7	0.8	0.96	290
401431127	2011	11	29	3	V	1.1	0.6	1.01	237
401431127	2011	11	29	4	V	1.7	0.6	0.75	317
401431127	2011	11	29	5	V	1.9	0.6	0.96	312
401431127	2011	11	29	6	V	1.5	0.6	2.79	336

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	11	29	7	V	1.5	0.6	3.73	350
401431127	2011	11	29	8	V	2.7	0.7	3.95	349
401431127	2011	11	29	9	V	1.5	0.8	5.21	356
401431127	2011	11	29	10	V	1.4	0.8	5.04	359
401431127	2011	11	29	11	V	2.6	0.8	4.68	354
401431127	2011	11	29	12	V	2.7	0.8	3.73	336
401431127	2011	11	29	13	V	5.3	0.8	4.29	343
401431127	2011	11	29	14	V	2.9	0.7	4.27	341
401431127	2011	11	29	15	V	2.2	0.7	4.68	358
401431127	2011	11	29	16	V	2.8	0.8	4.92	9
401431127	2011	11	29	17	V	4.2	0.7	4.6	10
401431127	2011	11	29	18	V	4.1	0.9	2.25	2
401431127	2011	11	29	19	V	2.3	0.8	1.98	341
401431127	2011	11	29	20	V	2.6	0.9	1.47	335
401431127	2011	11	29	21	V	2.1	0.6	1.65	335
401431127	2011	11	29	22	V	2.3	0.6	1.74	321
401431127	2011	11	29	23	V	2.5	0.6	1.08	320
401431127	2011	11	29	24	V	2.1	0.8	0.77	264
401431127	2011	11	30	1	V	1.7	0.9	0.58	235
401431127	2011	11	30	2	C	-999	1.1	0	0
401431127	2011	11	30	3	C	-999	1.1	0	0
401431127	2011	11	30	4	C	-999	1.2	0	0
401431127	2011	11	30	5	V	2.1	1.2	0.55	300
401431127	2011	11	30	6	V	6.3	1.2	0.75	218
401431127	2011	11	30	7	V	2.2	1.8	0.79	226
401431127	2011	11	30	8	V	9.5	2.4	0.84	201
401431127	2011	11	30	9	V	3.0	3	0.86	185
401431127	2011	11	30	10	V	1.8	3.9	1.55	163
401431127	2011	11	30	11	V	2.8	2.4	2.74	174
401431127	2011	11	30	12	V	2.8	3.5	2.4	179
401431127	2011	11	30	13	V	5.3	3.7	3.05	180
401431127	2011	11	30	14	V	2.9	1.7	4.29	174
401431127	2011	11	30	15	V	2.2	2.4	4.09	162
401431127	2011	11	30	16	V	2.9	2	4.6	162
401431127	2011	11	30	17	V	4.2	1.5	4.12	160
401431127	2011	11	30	18	V	4.0	1.3	3.56	147
401431127	2011	11	30	19	V	2.3	1.1	2.13	157
401431127	2011	11	30	20	V	2.6	1	2.1	169
401431127	2011	11	30	21	V	2.1	1	1.71	165
401431127	2011	11	30	22	V	2.2	1.1	2.93	179
401431127	2011	11	30	23	V	2.3	1.2	3.01	170
401431127	2011	11	30	24	V	1.9	1.2	2.42	168
401431127	2011	12	1	1	V	2.4	1	1.18	144
401431127	2011	12	1	2	V	2.4	1.1	1.57	159
401431127	2011	12	1	3	V	1.9	0.8	1.74	184
401431127	2011	12	1	4	V	1.9	1	2.76	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	1	5	V	2.1	1.1	3.59	168
401431127	2011	12	1	6	V	2.0	1.3	3	165
401431127	2011	12	1	7	V	1.6	2.1	3.32	170
401431127	2011	12	1	8	V	2.4	2.4	3.4	175
401431127	2011	12	1	9	V	2.0	2.8	3.81	170
401431127	2011	12	1	10	V	2.9	3.2	4.68	173
401431127	2011	12	1	11	V	2.8	3.6	6.36	177
401431127	2011	12	1	12	V	5.3	3.6	7.4	185
401431127	2011	12	1	13	V	6.1	3.1	6.46	183
401431127	2011	12	1	14	V	2.8	2.7	6.46	185
401431127	2011	12	1	15	V	2.7	2.6	3.86	196
401431127	2011	12	1	16	V	8.2	2.5	3.36	210
401431127	2011	12	1	17	C	-999	2	0	0
401431127	2011	12	1	18	C	-999	2.1	0	0
401431127	2011	12	1	19	V	2.9	1.7	4.86	2
401431127	2011	12	1	20	V	2.4	1.5	7.96	24
401431127	2011	12	1	21	V	2.6	1.4	5.96	14
401431127	2011	12	1	22	V	2.7	1.3	5.36	9
401431127	2011	12	1	23	V	3.7	1.1	5.09	1
401431127	2011	12	1	24	V	3.2	0.8	5.26	2
401431127	2011	12	2	1	V	2.3	0.7	4.68	5
401431127	2011	12	2	2	V	2.4	0.7	4.49	1
401431127	2011	12	2	3	V	1.9	0.6	4.27	6
401431127	2011	12	2	4	V	1.9	0.6	4.12	6
401431127	2011	12	2	5	V	2.1	0.6	3.47	5
401431127	2011	12	2	6	V	2.0	0.6	3.59	5
401431127	2011	12	2	7	V	1.6	0.6	3.52	8
401431127	2011	12	2	8	V	2.4	0.6	3.32	23
401431127	2011	12	2	9	V	2.0	0.8	2.98	18
401431127	2011	12	2	10	V	3.0	0.8	2.76	12
401431127	2011	12	2	11	V	2.9	0.8	2.11	358
401431127	2011	12	2	12	V	5.5	0.9	1.55	8
401431127	2011	12	2	13	V	6.5	0.9	1.33	24
401431127	2011	12	2	14	V	3.1	0.8	1.06	101
401431127	2011	12	2	15	V	2.4	0.9	0.63	14
401431127	2011	12	2	16	V	3.4	1.1	0.74	85
401431127	2011	12	2	17	V	3.6	1.1	0.79	108
401431127	2011	12	2	18	V	4.4	1.4	1.54	143
401431127	2011	12	2	19	V	3.0	1.7	1.91	137
401431127	2011	12	2	20	V	2.4	1.5	1.72	140
401431127	2011	12	2	21	V	2.7	1.4	1.64	148
401431127	2011	12	2	22	V	2.8	1.3	1.21	174
401431127	2011	12	2	23	V	4.2	1.3	0.84	190
401431127	2011	12	2	24	V	3.3	1	1.3	174
401431127	2011	12	3	1	V	2.3	0.8	3	159
401431127	2011	12	3	2	V	2.4	0.8	2.49	149

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	3	3	V	1.9	0.8	3.8	150
401431127	2011	12	3	4	V	1.9	0.8	3.95	144
401431127	2011	12	3	5	V	2.1	0.7	3.42	142
401431127	2011	12	3	6	V	2.0	0.8	4.46	140
401431127	2011	12	3	7	V	1.6	1	4.39	145
401431127	2011	12	3	8	V	2.4	1.1	5.51	146
401431127	2011	12	3	9	V	2.0	1.4	6.77	143
401431127	2011	12	3	10	V	2.9	1.2	5.65	171
401431127	2011	12	3	11	V	2.8	1.2	6.75	170
401431127	2011	12	3	12	V	5.3	0.9	5.36	167
401431127	2011	12	3	13	V	6.2	0.8	3.24	238
401431127	2011	12	3	14	V	7.0	0.8	3.17	203
401431127	2011	12	3	15	V	1.8	0.8	4.51	180
401431127	2011	12	3	16	V	3.1	0.8	4.75	174
401431127	2011	12	3	17	V	12.2	0.7	3.15	202
401431127	2011	12	3	18	V	6.9	0.8	3	197
401431127	2011	12	3	19	V	2.9	0.8	3.44	257
401431127	2011	12	3	20	V	2.4	0.7	2.11	273
401431127	2011	12	3	21	V	2.7	0.7	1.26	265
401431127	2011	12	3	22	V	2.7	0.7	2.13	292
401431127	2011	12	3	23	V	3.7	0.7	3.44	289
401431127	2011	12	3	24	V	3.2	0.7	4.12	289
401431127	2011	12	4	1	V	2.3	0.7	3.03	285
401431127	2011	12	4	2	V	2.4	0.6	3.01	301
401431127	2011	12	4	3	V	1.9	0.6	3.83	325
401431127	2011	12	4	4	V	1.9	0.6	2.69	326
401431127	2011	12	4	5	V	2.1	0.6	2.74	337
401431127	2011	12	4	6	V	2.0	0.6	2.83	351
401431127	2011	12	4	7	V	1.6	0.6	2.95	357
401431127	2011	12	4	8	V	2.4	0.6	2.55	360
401431127	2011	12	4	9	V	2.0	0.6	3.2	6
401431127	2011	12	4	10	V	2.9	0.6	3.81	10
401431127	2011	12	4	11	V	2.8	0.7	3.49	2
401431127	2011	12	4	12	V	5.3	0.7	3.61	2
401431127	2011	12	4	13	V	6.2	0.7	3.29	10
401431127	2011	12	4	14	V	2.8	0.7	3.2	6
401431127	2011	12	4	15	V	1.8	0.7	3.35	12
401431127	2011	12	4	16	V	3.1	0.7	3.66	14
401431127	2011	12	4	17	V	3.3	0.7	4.12	22
401431127	2011	12	4	18	V	4.3	0.7	2.45	12
401431127	2011	12	4	19	V	2.9	0.7	2.25	4
401431127	2011	12	4	20	V	2.4	0.7	3.85	20
401431127	2011	12	4	21	V	2.6	0.6	3.73	23
401431127	2011	12	4	22	V	2.7	0.7	4.05	8
401431127	2011	12	4	23	V	3.7	0.6	4.17	8
401431127	2011	12	4	24	V	3.2	0.7	4.41	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	5	1	V	2.3	0.7	4.59	10
401431127	2011	12	5	2	V	2.4	0.7	5.12	18
401431127	2011	12	5	3	V	1.9	0.6	5.68	17
401431127	2011	12	5	4	V	1.9	0.7	6.06	19
401431127	2011	12	5	5	V	2.1	0.7	5.17	12
401431127	2011	12	5	6	V	2.0	0.7	4.85	357
401431127	2011	12	5	7	V	1.6	0.8	5.62	3
401431127	2011	12	5	8	V	2.4	1	5.84	7
401431127	2011	12	5	9	V	2.0	0.9	5.72	9
401431127	2011	12	5	10	V	2.9	1	6.72	10
401431127	2011	12	5	11	V	2.8	1.2	6.57	5
401431127	2011	12	5	12	V	5.3	1.3	6.19	5
401431127	2011	12	5	13	V	6.1	1.2	6.19	4
401431127	2011	12	5	14	V	2.8	1.2	6.57	11
401431127	2011	12	5	15	V	1.8	1.1	6.01	6
401431127	2011	12	5	16	V	3.1	1.1	5.38	11
401431127	2011	12	5	17	V	3.3	1.3	5.09	8
401431127	2011	12	5	18	V	4.3	1.1	5.02	4
401431127	2011	12	5	19	V	2.9	1.1	5.27	8
401431127	2011	12	5	20	V	2.4	0.9	5.79	4
401431127	2011	12	5	21	V	2.6	0.9	6.13	6
401431127	2011	12	5	22	V	2.7	0.8	5.58	7
401431127	2011	12	5	23	V	3.7	0.7	5.31	2
401431127	2011	12	5	24	V	3.2	0.7	4.7	3
401431127	2011	12	6	1	V	2.3	0.7	5.09	6
401431127	2011	12	6	2	V	2.4	0.7	4.87	3
401431127	2011	12	6	3	V	1.9	0.7	4.95	7
401431127	2011	12	6	4	V	1.9	0.6	4.65	10
401431127	2011	12	6	5	V	2.1	0.7	3.93	6
401431127	2011	12	6	6	V	2.0	0.7	4.12	357
401431127	2011	12	6	7	V	1.6	0.7	3.66	354
401431127	2011	12	6	8	V	2.4	0.7	3.58	352
401431127	2011	12	6	9	V	2.0	0.8	3.68	6
401431127	2011	12	6	10	V	2.9	0.7	3.71	11
401431127	2011	12	6	11	V	2.8	0.7	4.25	12
401431127	2011	12	6	12	V	5.3	0.7	3.85	11
401431127	2011	12	6	13	V	6.2	0.7	2.91	344
401431127	2011	12	6	14	V	2.8	0.7	3.37	335
401431127	2011	12	6	15	V	1.8	0.8	3.57	310
401431127	2011	12	6	16	V	3.1	0.8	3.44	318
401431127	2011	12	6	17	V	3.4	0.7	2.93	320
401431127	2011	12	6	18	V	4.3	0.7	2.16	306
401431127	2011	12	6	19	V	3.0	0.7	1.26	286
401431127	2011	12	6	20	V	2.5	0.7	1.37	267
401431127	2011	12	6	21	V	2.7	0.7	1.25	260
401431127	2011	12	6	22	V	3.0	0.7	0.74	246

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	6	23	V	4.1	0.7	0.63	279
401431127	2011	12	6	24	V	3.3	0.6	1.42	294
401431127	2011	12	7	1	V	2.5	0.6	1.11	274
401431127	2011	12	7	2	V	2.5	0.6	1.23	273
401431127	2011	12	7	3	V	2.0	0.6	1.13	273
401431127	2011	12	7	4	V	2.0	0.6	1.21	266
401431127	2011	12	7	5	V	2.3	0.7	0.74	261
401431127	2011	12	7	6	C	-999	0.8	0	0
401431127	2011	12	7	7	V	7.9	1.1	0.69	216
401431127	2011	12	7	8	V	6.4	1.3	0.63	219
401431127	2011	12	7	9	V	5.1	2.6	1.45	196
401431127	2011	12	7	10	V	6.8	6.9	2.06	197
401431127	2011	12	7	11	V	6.3	2.6	3.44	212
401431127	2011	12	7	12	V	7.2	1.6	4.48	214
401431127	2011	12	7	13	V	7.6	1.3	4.27	217
401431127	2011	12	7	14	V	4.5	1.1	3.68	217
401431127	2011	12	7	15	V	2.2	1.4	3.68	224
401431127	2011	12	7	16	V	5.9	1.3	3.47	206
401431127	2011	12	7	17	V	18.3	3.5	2.88	211
401431127	2011	12	7	18	V	8.9	2.9	1.55	199
401431127	2011	12	7	19	V	14.6	4.2	1.11	204
401431127	2011	12	7	20	V	11.0	3.1	0.89	214
401431127	2011	12	7	21	V	18.7	2.9	1.38	212
401431127	2011	12	7	22	V	7.4	3.6	0.65	218
401431127	2011	12	7	23	V	10.9	3.1	0.6	203
401431127	2011	12	7	24	C	-999	3	0	0
401431127	2011	12	8	1	C	-999	6.7	0	0
401431127	2011	12	8	2	C	-999	2.5	0	0
401431127	2011	12	8	3	C	-999	5.3	0	0
401431127	2011	12	8	4	V	9.2	2	0.55	204
401431127	2011	12	8	5	C	-999	1.2	0	0
401431127	2011	12	8	6	C	-999	1.7	0	0
401431127	2011	12	8	7	V	1.8	1.9	0.82	166
401431127	2011	12	8	8	V	2.5	3.9	1.08	176
401431127	2011	12	8	9	V	2.1	3	1.4	183
401431127	2011	12	8	10	V	3.1	1.8	2.32	163
401431127	2011	12	8	11	V	3.0	1.9	3.03	184
401431127	2011	12	8	12	V	5.5	1.9	3.24	186
401431127	2011	12	8	13	V	6.2	1.7	3.49	131
401431127	2011	12	8	14	V	2.8	1.4	3.98	169
401431127	2011	12	8	15	V	1.8	1.4	4.2	183
401431127	2011	12	8	16	V	3.1	1.4	3.29	167
401431127	2011	12	8	17	V	3.3	1.6	2.73	137
401431127	2011	12	8	18	V	4.3	1.8	2.37	129
401431127	2011	12	8	19	V	3.0	2.1	1.2	138
401431127	2011	12	8	20	V	2.9	3.1	0.77	228

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	8	21	V	3.1	3.9	0.58	232
401431127	2011	12	8	22	V	4.1	4.9	0.94	222
401431127	2011	12	8	23	V	4.0	3.8	0.7	321
401431127	2011	12	8	24	V	3.6	3.2	0.65	318
401431127	2011	12	9	1	V	2.7	2.7	0.52	271
401431127	2011	12	9	2	V	2.8	3	0.52	242
401431127	2011	12	9	3	C	-999	2.9	0	0
401431127	2011	12	9	4	C	-999	2.5	0	0
401431127	2011	12	9	5	C	-999	2.2	0	0
401431127	2011	12	9	6	C	-999	2.3	0	0
401431127	2011	12	9	7	V	5.1	2.4	0.63	220
401431127	2011	12	9	8	V	2.4	1	2.57	5
401431127	2011	12	9	9	V	2.0	1.1	3.4	9
401431127	2011	12	9	10	V	2.9	1	5.07	8
401431127	2011	12	9	11	V	2.8	1.5	4.48	12
401431127	2011	12	9	12	V	5.4	2	3.68	11
401431127	2011	12	9	13	V	6.2	2.1	3.9	3
401431127	2011	12	9	14	V	2.8	2.3	4.87	10
401431127	2011	12	9	15	V	1.8	-999	4.58	7
401431127	2011	12	9	16	V	3.1	0.5	4.77	2
401431127	2011	12	9	17	V	3.3	0.4	3.61	358
401431127	2011	12	9	18	V	4.3	0.3	3	360
401431127	2011	12	9	19	V	3.0	0.3	1.6	358
401431127	2011	12	9	20	V	2.4	0.4	1.74	344
401431127	2011	12	9	21	V	2.7	1	1.3	358
401431127	2011	12	9	22	V	2.8	0.6	1.21	352
401431127	2011	12	9	23	V	3.7	0.1	2.52	8
401431127	2011	12	9	24	V	3.3	0.2	1.42	5
401431127	2011	12	10	1	V	2.5	0.3	1.08	333
401431127	2011	12	10	2	V	2.6	0.5	0.77	313
401431127	2011	12	10	3	V	2.2	0.7	0.65	323
401431127	2011	12	10	4	V	2.2	0.7	0.74	252
401431127	2011	12	10	5	V	2.5	0.8	0.52	237
401431127	2011	12	10	6	V	2.3	1	0.63	269
401431127	2011	12	10	7	V	1.8	1.3	1.03	265
401431127	2011	12	10	8	C	-999	1.7	0	0
401431127	2011	12	10	9	C	-999	2.3	0	0
401431127	2011	12	10	10	V	5.1	0.9	0.96	185
401431127	2011	12	10	11	V	8.0	17.1	1.2	196
401431127	2011	12	10	12	V	5.6	22.9	1.82	175
401431127	2011	12	10	13	V	8.5	16.4	1.81	194
401431127	2011	12	10	14	V	3.5	12.4	1.84	185
401431127	2011	12	10	15	V	2.6	11.3	1.64	186
401431127	2011	12	10	16	V	5.2	5.5	1.11	191
401431127	2011	12	10	17	V	23.2	1.5	1.37	209
401431127	2011	12	10	18	V	4.8	1.1	0.55	233

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	10	19	V	3.2	2.1	0.7	243
401431127	2011	12	10	20	V	2.7	2.1	0.62	278
401431127	2011	12	10	21	V	3.0	2.5	0.55	268
401431127	2011	12	10	22	C	-999	3.2	0	0
401431127	2011	12	10	23	V	4.2	3	0.75	229
401431127	2011	12	10	24	V	3.6	3.3	0.6	239
401431127	2011	12	11	1	V	2.7	3.1	0.62	245
401431127	2011	12	11	2	V	2.8	3.1	0.55	310
401431127	2011	12	11	3	C	-999	2.2	0	0
401431127	2011	12	11	4	V	2.3	1.7	0.52	255
401431127	2011	12	11	5	C	-999	2.4	0	0
401431127	2011	12	11	6	C	-999	1.8	0	0
401431127	2011	12	11	7	V	3.1	1.4	0.62	225
401431127	2011	12	11	8	V	4.0	1.9	0.82	223
401431127	2011	12	11	9	V	3.3	1.6	1.06	195
401431127	2011	12	11	10	V	3.0	0.3	2.61	171
401431127	2011	12	11	11	V	2.9	0.4	3.49	174
401431127	2011	12	11	12	V	5.3	0.8	4.36	167
401431127	2011	12	11	13	V	6.2	0.9	4.29	163
401431127	2011	12	11	14	V	2.8	0.7	4.73	164
401431127	2011	12	11	15	V	1.8	0.6	4.75	165
401431127	2011	12	11	16	V	3.1	0.6	5.17	167
401431127	2011	12	11	17	V	3.3	0.5	3.78	168
401431127	2011	12	11	18	V	4.3	0.5	3.29	160
401431127	2011	12	11	19	V	2.9	0.5	2.32	144
401431127	2011	12	11	20	V	2.4	0.4	2.42	144
401431127	2011	12	11	21	V	2.6	0.4	3.07	143
401431127	2011	12	11	22	V	2.7	0.4	3.18	144
401431127	2011	12	11	23	V	3.7	0.3	3.54	153
401431127	2011	12	11	24	V	3.2	0.3	3.9	165
401431127	2011	12	12	1	V	2.3	0.4	3.18	170
401431127	2011	12	12	2	V	2.4	0.3	3.32	169
401431127	2011	12	12	3	V	1.9	0.4	2.66	168
401431127	2011	12	12	4	V	1.9	0.5	3.07	167
401431127	2011	12	12	5	V	2.1	0.5	3	164
401431127	2011	12	12	6	V	2.0	0.5	3.3	165
401431127	2011	12	12	7	V	1.6	0.5	3.54	164
401431127	2011	12	12	8	V	2.4	0.5	3.73	166
401431127	2011	12	12	9	V	2.0	0.5	3.98	163
401431127	2011	12	12	10	V	2.9	0.6	3.95	166
401431127	2011	12	12	11	V	2.8	0.8	4.65	167
401431127	2011	12	12	12	V	5.3	0.7	4.71	169
401431127	2011	12	12	13	V	6.2	0.6	3.61	172
401431127	2011	12	12	14	V	2.9	0.5	2.73	157
401431127	2011	12	12	15	V	1.9	0.4	2.74	164
401431127	2011	12	12	16	V	3.1	0.4	3.13	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	12	17	V	3.4	0.5	3.01	161
401431127	2011	12	12	18	V	4.3	0.4	2.93	148
401431127	2011	12	12	19	V	2.9	0.4	3.17	158
401431127	2011	12	12	20	V	2.4	0.3	3.47	151
401431127	2011	12	12	21	V	2.6	0.1	2.76	128
401431127	2011	12	12	22	V	2.7	0.1	3.13	141
401431127	2011	12	12	23	V	3.7	0.1	2.01	146
401431127	2011	12	12	24	V	3.2	0.1	2.01	144
401431127	2011	12	13	1	V	2.4	0.1	1.4	158
401431127	2011	12	13	2	V	2.5	0.1	1.2	110
401431127	2011	12	13	3	V	2.0	0.1	1.45	97
401431127	2011	12	13	4	V	2.0	0.1	1.25	82
401431127	2011	12	13	5	V	2.1	0.1	2.06	119
401431127	2011	12	13	6	V	2.0	0.2	2.45	117
401431127	2011	12	13	7	V	1.8	0.2	1.48	58
401431127	2011	12	13	8	V	12.5	0.3	1.81	47
401431127	2011	12	13	9	V	9.0	0.4	1.84	45
401431127	2011	12	13	10	V	3.1	0.4	2.27	81
401431127	2011	12	13	11	V	2.9	0.4	3.27	110
401431127	2011	12	13	12	V	5.4	0.4	3.32	126
401431127	2011	12	13	13	V	6.2	0.4	2.95	141
401431127	2011	12	13	14	V	2.9	0.5	2.2	166
401431127	2011	12	13	15	V	1.9	0.5	3.4	162
401431127	2011	12	13	16	V	3.1	0.5	3.86	161
401431127	2011	12	13	17	V	3.4	0.4	4.24	164
401431127	2011	12	13	18	V	4.3	0.3	3.97	164
401431127	2011	12	13	19	V	2.9	0.3	2.93	141
401431127	2011	12	13	20	V	2.4	0.3	3.17	156
401431127	2011	12	13	21	V	2.6	0.3	4.8	154
401431127	2011	12	13	22	V	2.7	0.3	5.82	164
401431127	2011	12	13	23	V	3.7	0.3	5.07	167
401431127	2011	12	13	24	V	3.2	0.3	4.56	168
401431127	2011	12	14	1	V	2.3	0.3	6.06	169
401431127	2011	12	14	2	V	2.4	0.3	5.43	167
401431127	2011	12	14	3	V	1.9	0.3	5.12	165
401431127	2011	12	14	4	V	1.9	0.3	4.17	157
401431127	2011	12	14	5	V	2.1	0.3	2.96	141
401431127	2011	12	14	6	V	2.0	0.2	4.59	160
401431127	2011	12	14	7	V	1.6	0.2	5.41	166
401431127	2011	12	14	8	V	2.4	0.2	5.92	168
401431127	2011	12	14	9	V	2.0	0.3	6.19	169
401431127	2011	12	14	10	V	2.9	0.3	6.64	169
401431127	2011	12	14	11	V	2.8	0.3	6.14	170
401431127	2011	12	14	12	V	5.3	0.3	7.13	180
401431127	2011	12	14	13	V	6.1	0.3	7.11	185
401431127	2011	12	14	14	V	2.8	0.4	6.92	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	14	15	V	1.9	0.4	5.7	194
401431127	2011	12	14	16	V	3.2	0.4	5.48	192
401431127	2011	12	14	17	V	13.6	0.4	3.32	203
401431127	2011	12	14	18	V	4.4	0.5	2.66	186
401431127	2011	12	14	19	V	3.5	0.4	3.39	192
401431127	2011	12	14	20	V	3.6	0.4	2.3	222
401431127	2011	12	14	21	V	2.7	0.4	2.44	222
401431127	2011	12	14	22	V	2.7	0.3	2.35	224
401431127	2011	12	14	23	V	3.7	0.3	1.89	231
401431127	2011	12	14	24	V	3.2	0.2	2.16	249
401431127	2011	12	15	1	V	2.3	0.3	2.79	273
401431127	2011	12	15	2	V	2.4	0.2	2.67	293
401431127	2011	12	15	3	V	1.9	0.2	2.61	302
401431127	2011	12	15	4	V	1.9	0.2	3.12	315
401431127	2011	12	15	5	V	2.1	0.2	3.37	346
401431127	2011	12	15	6	V	2.0	0.2	2.06	343
401431127	2011	12	15	7	V	1.7	0.2	1.59	336
401431127	2011	12	15	8	V	2.4	0.3	2.52	358
401431127	2011	12	15	9	V	2.0	0.3	1.99	351
401431127	2011	12	15	10	V	3.0	0.3	3.73	12
401431127	2011	12	15	11	V	2.9	0.3	3.81	6
401431127	2011	12	15	12	V	5.4	0.3	3.73	7
401431127	2011	12	15	13	V	6.2	0.3	4.58	10
401431127	2011	12	15	14	V	2.9	0.3	3.91	9
401431127	2011	12	15	15	V	1.8	0.2	3.83	9
401431127	2011	12	15	16	V	3.1	0.3	3.25	15
401431127	2011	12	15	17	V	3.4	0.3	1.86	10
401431127	2011	12	15	18	V	4.5	0.4	0.8	353
401431127	2011	12	15	19	V	3.1	1	1.11	333
401431127	2011	12	15	20	V	2.5	0.3	1.11	324
401431127	2011	12	15	21	V	2.6	0.3	2.81	1
401431127	2011	12	15	22	V	2.7	0.1	4.68	8
401431127	2011	12	15	23	V	3.7	0.2	4.25	14
401431127	2011	12	15	24	V	3.2	0.1	3.69	12
401431127	2011	12	16	1	V	2.3	0.1	2.91	6
401431127	2011	12	16	2	V	2.4	0.1	2.98	5
401431127	2011	12	16	3	V	1.9	0.1	2.9	8
401431127	2011	12	16	4	V	1.9	0.1	2.61	3
401431127	2011	12	16	5	V	2.1	0.1	2.55	357
401431127	2011	12	16	6	V	2.0	0.1	3.25	359
401431127	2011	12	16	7	V	1.6	0.1	3.41	6
401431127	2011	12	16	8	V	2.4	0.3	3	13
401431127	2011	12	16	9	V	2.0	0.3	3.29	20
401431127	2011	12	16	10	V	3.0	0.4	3.17	18
401431127	2011	12	16	11	V	3.2	0.4	3.78	33
401431127	2011	12	16	12	V	5.4	1.7	4.02	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	16	13	V	6.2	0.7	3.51	10
401431127	2011	12	16	14	V	2.9	0.7	3.58	11
401431127	2011	12	16	15	V	1.9	0.7	3.18	6
401431127	2011	12	16	16	V	3.2	0.7	2.52	17
401431127	2011	12	16	17	V	3.4	0.8	2.04	19
401431127	2011	12	16	18	V	4.5	1.4	0.86	353
401431127	2011	12	16	19	C	-999	1.4	0	0
401431127	2011	12	16	20	V	2.8	2.4	0.53	259
401431127	2011	12	16	21	V	3.0	2	0.52	274
401431127	2011	12	16	22	V	3.0	2.5	0.58	279
401431127	2011	12	16	23	V	4.1	3	0.65	233
401431127	2011	12	16	24	V	5.0	2.9	0.65	224
401431127	2011	12	17	1	C	-999	2.3	0	0
401431127	2011	12	17	2	V	6.5	2.7	1.08	218
401431127	2011	12	17	3	V	2.2	1	0.7	245
401431127	2011	12	17	4	V	16.1	1.5	1.13	207
401431127	2011	12	17	5	V	3.7	1.6	0.62	194
401431127	2011	12	17	6	V	10.6	1.4	0.86	203
401431127	2011	12	17	7	V	14.2	1.7	0.99	208
401431127	2011	12	17	8	V	7.2	2.4	0.84	218
401431127	2011	12	17	9	V	3.0	1.8	0.69	226
401431127	2011	12	17	10	V	6.9	0.7	1.09	193
401431127	2011	12	17	11	V	3.1	0.5	1.91	283
401431127	2011	12	17	12	V	5.7	0.6	1.71	349
401431127	2011	12	17	13	V	6.6	0.6	1.3	288
401431127	2011	12	17	14	V	3.1	0.6	1.4	267
401431127	2011	12	17	15	V	2.1	0.5	1.48	259
401431127	2011	12	17	16	V	3.3	0.4	1.4	338
401431127	2011	12	17	17	V	3.5	0.4	1.11	324
401431127	2011	12	17	18	V	4.6	0.5	0.74	300
401431127	2011	12	17	19	V	3.2	1.4	0.69	249
401431127	2011	12	17	20	V	2.8	2.7	0.58	261
401431127	2011	12	17	21	V	2.9	3.1	0.67	248
401431127	2011	12	17	22	V	3.0	3.3	0.58	339
401431127	2011	12	17	23	C	-999	4.6	0	0
401431127	2011	12	17	24	V	4.3	3.7	0.53	227
401431127	2011	12	18	1	V	6.9	3	0.75	199
401431127	2011	12	18	2	V	2.6	2.5	0.74	236
401431127	2011	12	18	3	V	2.3	2.2	0.53	274
401431127	2011	12	18	4	V	7.3	1.1	0.82	200
401431127	2011	12	18	5	V	4.1	0.7	0.67	195
401431127	2011	12	18	6	V	7.6	1	0.53	215
401431127	2011	12	18	7	V	7.2	1.3	0.53	215
401431127	2011	12	18	8	V	4.4	1.5	0.67	223
401431127	2011	12	18	9	V	8.0	0.9	0.99	200
401431127	2011	12	18	10	V	3.3	0.6	1.2	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	18	11	V	2.9	0.6	3.68	179
401431127	2011	12	18	12	V	5.5	0.9	5.12	193
401431127	2011	12	18	13	V	6.4	1	5.21	195
401431127	2011	12	18	14	V	3.2	0.9	4.49	195
401431127	2011	12	18	15	V	1.8	0.6	5.73	187
401431127	2011	12	18	16	V	3.1	0.6	5.87	181
401431127	2011	12	18	17	V	3.4	0.6	4.8	179
401431127	2011	12	18	18	V	4.3	0.8	4.92	179
401431127	2011	12	18	19	V	2.9	1.2	6.12	182
401431127	2011	12	18	20	V	2.4	0.9	6.41	186
401431127	2011	12	18	21	V	2.7	0.9	6.11	187
401431127	2011	12	18	22	V	2.8	1	5.58	188
401431127	2011	12	18	23	V	3.7	1.1	5.45	185
401431127	2011	12	18	24	V	3.3	1.1	5.72	187
401431127	2011	12	19	1	V	2.4	1.2	4.78	185
401431127	2011	12	19	2	V	2.4	1.7	4.58	184
401431127	2011	12	19	3	V	1.9	2.1	3.91	179
401431127	2011	12	19	4	V	1.9	1.7	4.03	182
401431127	2011	12	19	5	V	2.1	2.2	1.86	182
401431127	2011	12	19	6	V	2.0	2.5	2.61	173
401431127	2011	12	19	7	V	1.6	2.1	2.76	168
401431127	2011	12	19	8	V	2.4	2	2.61	161
401431127	2011	12	19	9	V	2.0	1.9	3.59	154
401431127	2011	12	19	10	V	3.0	1.9	3.17	159
401431127	2011	12	19	11	V	2.9	0.7	3.23	133
401431127	2011	12	19	12	V	5.4	0.7	3.76	139
401431127	2011	12	19	13	V	6.2	0.5	4.05	113
401431127	2011	12	19	14	V	2.9	0.9	3.17	118
401431127	2011	12	19	15	V	1.8	1.4	4.88	111
401431127	2011	12	19	16	V	3.1	2	5.26	109
401431127	2011	12	19	17	V	3.4	1.5	2.27	120
401431127	2011	12	19	18	V	4.3	0.6	3.22	61
401431127	2011	12	19	19	V	2.9	0.4	3.76	30
401431127	2011	12	19	20	V	2.4	0.3	4.44	23
401431127	2011	12	19	21	V	2.6	0.3	5.05	35
401431127	2011	12	19	22	V	3.5	0.3	4.9	54
401431127	2011	12	19	23	V	6.4	0.3	4.51	51
401431127	2011	12	19	24	V	5.3	0.3	3.54	52
401431127	2011	12	20	1	V	6.4	0.3	3.3	50
401431127	2011	12	20	2	V	9.2	0.3	2.71	48
401431127	2011	12	20	3	V	8.3	0.3	2.45	45
401431127	2011	12	20	4	V	6.9	0.3	2.57	50
401431127	2011	12	20	5	V	2.1	0.3	1.54	91
401431127	2011	12	20	6	V	2.1	0.3	1.31	113
401431127	2011	12	20	7	V	1.8	0.4	1.03	77
401431127	2011	12	20	8	V	2.5	0.5	1.16	132

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	20	9	V	2.0	1.1	2.16	116
401431127	2011	12	20	10	V	3.0	0.6	2.9	126
401431127	2011	12	20	11	V	2.9	0.5	3.58	156
401431127	2011	12	20	12	V	5.3	0.4	3.88	168
401431127	2011	12	20	13	V	6.5	0.4	3.81	225
401431127	2011	12	20	14	V	4.6	0.8	5.16	204
401431127	2011	12	20	15	V	2.2	0.5	4.68	221
401431127	2011	12	20	16	V	3.1	0.3	3.59	229
401431127	2011	12	20	17	V	3.4	0.4	2.84	246
401431127	2011	12	20	18	V	4.3	0.4	3.07	296
401431127	2011	12	20	19	V	2.9	0.3	3.03	277
401431127	2011	12	20	20	V	2.4	0.3	3.1	282
401431127	2011	12	20	21	V	2.6	0.3	3.13	277
401431127	2011	12	20	22	V	2.7	0.3	3.49	275
401431127	2011	12	20	23	V	3.7	0.2	3.9	282
401431127	2011	12	20	24	V	3.2	0.3	2.64	275
401431127	2011	12	21	1	V	2.3	0.3	2.25	267
401431127	2011	12	21	2	V	2.4	0.3	2.1	268
401431127	2011	12	21	3	V	1.9	0.3	2.1	261
401431127	2011	12	21	4	V	1.9	0.3	2.03	249
401431127	2011	12	21	5	V	2.1	0.3	1.96	237
401431127	2011	12	21	6	V	2.0	0.3	1.91	236
401431127	2011	12	21	7	V	1.9	0.3	1.72	222
401431127	2011	12	21	8	V	8.7	0.3	0.94	216
401431127	2011	12	21	9	V	2.0	0.5	1.91	183
401431127	2011	12	21	10	V	4.6	1.6	4.51	201
401431127	2011	12	21	11	V	3.5	1.2	5.05	198
401431127	2011	12	21	12	V	5.4	0.9	4.73	187
401431127	2011	12	21	13	V	6.2	0.7	4.61	188
401431127	2011	12	21	14	V	2.9	0.7	4.08	182
401431127	2011	12	21	15	V	1.9	0.6	3.57	178
401431127	2011	12	21	16	V	3.2	0.5	3.46	156
401431127	2011	12	21	17	V	3.4	0.8	3.47	156
401431127	2011	12	21	18	V	4.3	0.6	3.46	139
401431127	2011	12	21	19	V	2.9	0.5	3.05	155
401431127	2011	12	21	20	V	2.4	0.4	2.2	161
401431127	2011	12	21	21	V	2.7	0.4	1.43	170
401431127	2011	12	21	22	V	2.8	0.9	1.04	231
401431127	2011	12	21	23	V	13.8	1.4	0.67	209
401431127	2011	12	21	24	V	3.6	1.9	0.52	125
401431127	2011	12	22	1	V	3.5	1.5	0.52	226
401431127	2011	12	22	2	V	2.7	1.6	0.72	114
401431127	2011	12	22	3	V	2.0	1.6	1.28	63
401431127	2011	12	22	4	V	1.9	0.9	1.84	114
401431127	2011	12	22	5	V	2.1	0.4	2.01	117
401431127	2011	12	22	6	V	2.1	0.8	1.42	127

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	22	7	V	1.8	1.2	0.96	135
401431127	2011	12	22	8	V	2.5	1	1.28	15
401431127	2011	12	22	9	V	2.0	0.7	2.56	24
401431127	2011	12	22	10	V	3.0	0.5	3.22	14
401431127	2011	12	22	11	V	2.9	0.4	3.15	24
401431127	2011	12	22	12	V	5.4	0.7	3.44	5
401431127	2011	12	22	13	V	6.2	1.3	5.33	7
401431127	2011	12	22	14	V	2.8	1	5.72	10
401431127	2011	12	22	15	V	1.8	0.6	5.41	1
401431127	2011	12	22	16	V	3.1	0.5	6.24	4
401431127	2011	12	22	17	V	3.3	0.4	5.92	4
401431127	2011	12	22	18	V	4.3	0.3	6.16	7
401431127	2011	12	22	19	V	2.9	0.3	5.9	6
401431127	2011	12	22	20	V	2.4	0.3	5.5	4
401431127	2011	12	22	21	V	2.6	0.3	5.48	4
401431127	2011	12	22	22	V	2.7	0.2	5.43	5
401431127	2011	12	22	23	V	3.7	0.2	4.6	360
401431127	2011	12	22	24	V	3.2	0.2	4.22	4
401431127	2011	12	23	1	V	2.3	0.2	4.49	359
401431127	2011	12	23	2	V	2.4	0.2	4.15	355
401431127	2011	12	23	3	V	1.9	0.2	4.02	1
401431127	2011	12	23	4	V	1.9	0.2	3.93	355
401431127	2011	12	23	5	V	2.1	0.2	3.57	2
401431127	2011	12	23	6	V	2.0	0.2	2.78	350
401431127	2011	12	23	7	V	1.6	0.2	2.69	358
401431127	2011	12	23	8	V	2.4	0.2	2.71	360
401431127	2011	12	23	9	V	2.0	0.2	2.86	353
401431127	2011	12	23	10	V	2.9	0.3	3.42	358
401431127	2011	12	23	11	V	2.9	0.5	3.61	15
401431127	2011	12	23	12	V	5.4	0.8	3.8	25
401431127	2011	12	23	13	V	6.2	-999	3.68	24
401431127	2011	12	23	14	V	3.0	-999	3.08	29
401431127	2011	12	23	15	V	2.0	0.6	1.87	91
401431127	2011	12	23	16	V	5.0	0.6	1.04	194
401431127	2011	12	23	17	V	3.4	0.5	1.84	318
401431127	2011	12	23	18	V	4.4	0.4	1.42	299
401431127	2011	12	23	19	V	3.1	0.4	0.84	288
401431127	2011	12	23	20	V	2.5	1	1.06	280
401431127	2011	12	23	21	V	2.9	0.5	0.99	227
401431127	2011	12	23	22	V	7.1	0.4	0.82	199
401431127	2011	12	23	23	V	7.6	0.8	0.72	198
401431127	2011	12	23	24	C	-999	1	0	0
401431127	2011	12	24	1	C	-999	1.1	0	0
401431127	2011	12	24	2	V	12.3	1.2	0.69	208
401431127	2011	12	24	3	V	2.2	0.8	0.65	262
401431127	2011	12	24	4	C	-999	0.7	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	24	5	V	6.4	1	1.01	199
401431127	2011	12	24	6	V	7.5	0.4	1.06	200
401431127	2011	12	24	7	V	14.1	0.3	0.99	207
401431127	2011	12	24	8	V	2.8	0.2	0.58	259
401431127	2011	12	24	9	V	2.3	0.8	0.63	123
401431127	2011	12	24	10	V	3.6	1	1.04	166
401431127	2011	12	24	11	V	3.6	0.9	1.23	173
401431127	2011	12	24	12	V	12.5	0.6	2.16	204
401431127	2011	12	24	13	V	9.0	5.3	2.71	199
401431127	2011	12	24	14	V	6.8	6.3	2.23	204
401431127	2011	12	24	15	V	5.4	0.9	1.72	202
401431127	2011	12	24	16	V	6.6	0.3	1.62	217
401431127	2011	12	24	17	V	20.7	0.3	1.13	210
401431127	2011	12	24	18	C	-999	1	0	0
401431127	2011	12	24	19	V	3.3	2.2	0.55	282
401431127	2011	12	24	20	C	-999	2.6	0	0
401431127	2011	12	24	21	V	3.0	3.7	0.53	245
401431127	2011	12	24	22	V	3.0	2.2	0.67	238
401431127	2011	12	24	23	V	4.1	2.4	0.53	244
401431127	2011	12	24	24	V	3.6	3.4	0.57	302
401431127	2011	12	25	1	V	2.5	2.1	1.04	228
401431127	2011	12	25	2	V	2.6	2.3	0.79	275
401431127	2011	12	25	3	C	-999	2	0	0
401431127	2011	12	25	4	V	2.2	2.2	0.67	306
401431127	2011	12	25	5	V	2.3	2	0.89	247
401431127	2011	12	25	6	V	2.3	2.1	0.69	265
401431127	2011	12	25	7	V	2.0	2.1	0.65	242
401431127	2011	12	25	8	V	2.6	2.1	0.86	258
401431127	2011	12	25	9	V	2.1	1.4	1.08	354
401431127	2011	12	25	10	V	3.9	0.7	0.86	132
401431127	2011	12	25	11	V	3.9	0.6	1.14	70
401431127	2011	12	25	12	V	7.9	0.6	2.11	55
401431127	2011	12	25	13	V	6.4	0.6	2.38	71
401431127	2011	12	25	14	V	3.1	1.3	1.48	100
401431127	2011	12	25	15	V	3.8	3.5	1.35	43
401431127	2011	12	25	16	V	4.6	10.3	1.86	36
401431127	2011	12	25	17	V	3.4	9.3	1.62	14
401431127	2011	12	25	18	V	4.6	6	0.79	328
401431127	2011	12	25	19	V	3.1	2.5	0.91	285
401431127	2011	12	25	20	C	-999	2.3	0	0
401431127	2011	12	25	21	V	2.8	2.5	0.91	3
401431127	2011	12	25	22	V	2.9	2	0.96	297
401431127	2011	12	25	23	V	3.9	2.5	0.96	346
401431127	2011	12	25	24	V	3.3	1.4	1.76	8
401431127	2011	12	26	1	V	2.4	0.5	1.28	341
401431127	2011	12	26	2	V	2.4	0.4	1.57	17

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	26	3	V	1.9	0.4	1.6	25
401431127	2011	12	26	4	V	2.1	0.4	0.79	293
401431127	2011	12	26	5	V	2.4	0.4	0.65	246
401431127	2011	12	26	6	V	15.6	0.4	1.21	213
401431127	2011	12	26	7	V	1.8	0.5	0.91	322
401431127	2011	12	26	8	V	2.5	0.4	1.26	16
401431127	2011	12	26	9	V	2.0	0.5	1.96	92
401431127	2011	12	26	10	V	3.3	0.5	1.13	248
401431127	2011	12	26	11	V	3.6	0.6	0.82	157
401431127	2011	12	26	12	V	7.4	0.9	1.04	43
401431127	2011	12	26	13	V	6.3	1.6	2.52	117
401431127	2011	12	26	14	V	2.9	1.7	3.17	129
401431127	2011	12	26	15	V	1.8	1.2	4.14	126
401431127	2011	12	26	16	V	3.1	1	3.32	138
401431127	2011	12	26	17	V	3.4	0.9	1.99	147
401431127	2011	12	26	18	V	4.4	1.3	1.62	134
401431127	2011	12	26	19	V	3.0	2.1	1.16	180
401431127	2011	12	26	20	V	2.5	1.5	1.14	235
401431127	2011	12	26	21	V	8.1	0.7	1.21	217
401431127	2011	12	26	22	V	2.8	0.5	1.4	258
401431127	2011	12	26	23	V	3.7	0.4	1.98	265
401431127	2011	12	26	24	V	3.2	0.4	2.3	280
401431127	2011	12	27	1	V	2.3	0.4	2.57	271
401431127	2011	12	27	2	V	2.4	0.3	3	282
401431127	2011	12	27	3	V	1.9	0.3	2.54	288
401431127	2011	12	27	4	V	1.9	0.3	2.11	280
401431127	2011	12	27	5	V	2.1	0.3	2.47	290
401431127	2011	12	27	6	V	2.0	0.3	2.11	303
401431127	2011	12	27	7	V	1.6	0.3	1.99	309
401431127	2011	12	27	8	V	2.4	0.3	1.48	311
401431127	2011	12	27	9	V	2.0	0.4	2.66	332
401431127	2011	12	27	10	V	3.0	0.4	3.25	327
401431127	2011	12	27	11	V	2.9	0.4	3.3	324
401431127	2011	12	27	12	V	5.4	0.4	3.59	312
401431127	2011	12	27	13	V	6.2	0.4	3.97	315
401431127	2011	12	27	14	V	2.8	0.4	3.9	314
401431127	2011	12	27	15	V	1.8	0.4	4.27	310
401431127	2011	12	27	16	V	3.1	0.4	3.64	313
401431127	2011	12	27	17	V	3.4	0.3	2.98	292
401431127	2011	12	27	18	V	4.4	0.4	1.38	269
401431127	2011	12	27	19	V	3.0	0.5	1.54	264
401431127	2011	12	27	20	V	2.5	1	1.18	272
401431127	2011	12	27	21	V	2.9	1.6	0.8	261
401431127	2011	12	27	22	V	10.2	1.7	0.79	215
401431127	2011	12	27	23	V	3.9	1.8	0.89	265
401431127	2011	12	27	24	C	-999	2.2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	28	1	V	4.1	2.1	0.6	224
401431127	2011	12	28	2	V	2.8	1.7	0.52	263
401431127	2011	12	28	3	C	-999	2.1	0	0
401431127	2011	12	28	4	V	2.2	1.9	0.6	293
401431127	2011	12	28	5	V	2.3	1.7	0.8	298
401431127	2011	12	28	6	V	5.1	1.7	1.09	219
401431127	2011	12	28	7	V	10.0	1.6	0.8	214
401431127	2011	12	28	8	V	2.7	3.1	0.7	277
401431127	2011	12	28	9	V	21.5	2.5	1.69	206
401431127	2011	12	28	10	V	6.3	2.4	2.2	197
401431127	2011	12	28	11	V	3.2	2.6	4.27	193
401431127	2011	12	28	12	V	5.8	1.9	4.78	196
401431127	2011	12	28	13	V	6.5	4.6	4.99	195
401431127	2011	12	28	14	V	4.8	1.8	4.34	214
401431127	2011	12	28	15	V	3.6	1.7	4.58	214
401431127	2011	12	28	16	V	4.8	1.4	3.71	216
401431127	2011	12	28	17	V	3.6	1.1	2.47	226
401431127	2011	12	28	18	V	14.5	1.1	1.45	202
401431127	2011	12	28	19	V	10.4	2.2	1.37	216
401431127	2011	12	28	20	V	14.3	2.4	1.33	214
401431127	2011	12	28	21	V	2.7	0.9	1.31	239
401431127	2011	12	28	22	V	12.4	0.8	0.67	207
401431127	2011	12	28	23	C	-999	0.7	0	0
401431127	2011	12	28	24	V	11.6	0.9	0.67	212
401431127	2011	12	29	1	V	2.7	1.1	0.62	307
401431127	2011	12	29	2	V	8.0	0.9	0.75	217
401431127	2011	12	29	3	V	9.3	0.5	0.94	215
401431127	2011	12	29	4	V	6.3	0.7	0.65	199
401431127	2011	12	29	5	V	6.2	0.9	1.04	218
401431127	2011	12	29	6	V	2.3	0.9	0.86	188
401431127	2011	12	29	7	V	2.8	0.9	0.82	224
401431127	2011	12	29	8	V	12.3	1	0.65	209
401431127	2011	12	29	9	V	2.1	1.4	1.43	183
401431127	2011	12	29	10	V	3.1	1.4	2.01	170
401431127	2011	12	29	11	V	3.0	4.6	2.67	182
401431127	2011	12	29	12	V	5.4	1.5	3.56	184
401431127	2011	12	29	13	V	8.9	1	4.68	206
401431127	2011	12	29	14	V	5.5	0.9	4.97	208
401431127	2011	12	29	15	V	5.3	0.7	4.36	207
401431127	2011	12	29	16	V	3.2	1.4	4.39	188
401431127	2011	12	29	17	V	3.4	2	4.63	182
401431127	2011	12	29	18	V	4.3	0.9	3.81	181
401431127	2011	12	29	19	V	3.0	1	3.83	187
401431127	2011	12	29	20	V	2.4	0.7	4.61	186
401431127	2011	12	29	21	V	2.6	0.7	3.64	177
401431127	2011	12	29	22	V	11.3	8.2	3.71	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	29	23	V	4.8	8.7	4.36	194
401431127	2011	12	29	24	V	17.0	8.5	3.64	205
401431127	2011	12	30	1	V	2.3	1.5	2.91	232
401431127	2011	12	30	2	V	2.4	1	2.57	242
401431127	2011	12	30	3	V	1.9	0.9	1.62	259
401431127	2011	12	30	4	V	1.9	0.8	3.1	321
401431127	2011	12	30	5	V	2.1	0.6	2.23	322
401431127	2011	12	30	6	V	2.1	0.5	1.08	269
401431127	2011	12	30	7	V	1.7	0.5	1.18	287
401431127	2011	12	30	8	V	2.5	0.4	1.01	281
401431127	2011	12	30	9	V	2.0	0.5	1.59	269
401431127	2011	12	30	10	V	3.1	0.5	2.35	293
401431127	2011	12	30	11	V	2.9	0.4	2.42	297
401431127	2011	12	30	12	V	5.4	0.4	2.91	285
401431127	2011	12	30	13	V	6.2	0.4	3.51	306
401431127	2011	12	30	14	V	2.8	0.4	3.83	309
401431127	2011	12	30	15	V	1.8	0.4	3.73	290
401431127	2011	12	30	16	V	3.1	0.4	3.2	262
401431127	2011	12	30	17	V	3.4	0.9	2.61	255
401431127	2011	12	30	18	V	4.3	0.9	1.94	257
401431127	2011	12	30	19	V	3.0	0.6	1.47	251
401431127	2011	12	30	20	V	2.7	1.4	0.67	240
401431127	2011	12	30	21	V	7.8	1.8	0.53	216
401431127	2011	12	30	22	C	-999	2.1	0	0
401431127	2011	12	30	23	V	14.2	2.1	0.77	210
401431127	2011	12	30	24	V	3.5	1.2	0.72	182
401431127	2011	12	31	1	V	2.7	2.9	0.58	250
401431127	2011	12	31	2	C	-999	2.5	0	0
401431127	2011	12	31	3	C	-999	12.4	0	0
401431127	2011	12	31	4	V	2.3	8.2	0.6	238
401431127	2011	12	31	5	V	7.4	1.5	0.72	200
401431127	2011	12	31	6	V	2.1	0.9	1.5	172
401431127	2011	12	31	7	V	9.3	0.8	0.84	215
401431127	2011	12	31	8	V	2.5	0.8	1.18	145
401431127	2011	12	31	9	V	2.0	0.9	2.91	186
401431127	2011	12	31	10	V	2.9	0.8	6.55	182
401431127	2011	12	31	11	V	2.8	0.9	8.74	184
401431127	2011	12	31	12	V	5.3	1.4	9.32	182
401431127	2011	12	31	13	V	6.1	2.3	9.68	187
401431127	2011	12	31	14	V	2.9	1.8	11.02	193
401431127	2011	12	31	15	V	1.8	1.8	10.07	190
401431127	2011	12	31	16	V	3.9	3.4	7.77	202
401431127	2011	12	31	17	V	14.8	4.8	4.39	205
401431127	2011	12	31	18	V	4.4	5.5	2.28	225
401431127	2011	12	31	19	V	2.9	1	2.05	276
401431127	2011	12	31	20	V	2.4	0.6	5.11	289

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2011	12	31	21	V	2.6	0.6	3.86	289
401431127	2011	12	31	22	V	2.7	0.4	5.96	302
401431127	2011	12	31	23	V	3.7	0.5	6.46	314
401431127	2011	12	31	24	V	3.2	0.5	5.36	317
401431127	2012	1	1	1	V	2.3	0.4	4.7	324
401431127	2012	1	1	2	V	2.4	0.4	3.2	309
401431127	2012	1	1	3	V	1.9	0.3	2.18	255
401431127	2012	1	1	4	V	1.9	0.3	1.87	260
401431127	2012	1	1	5	V	2.1	0.3	2.35	290
401431127	2012	1	1	6	V	2.0	0.3	3.2	300
401431127	2012	1	1	7	V	1.6	0.3	3.29	313
401431127	2012	1	1	8	V	2.4	0.3	2.1	328
401431127	2012	1	1	9	V	2.0	0.3	2.44	312
401431127	2012	1	1	10	V	3.0	0.3	3.39	330
401431127	2012	1	1	11	V	2.9	0.3	3.76	338
401431127	2012	1	1	12	V	5.4	0.3	3.39	333
401431127	2012	1	1	13	V	6.2	0.3	4.03	348
401431127	2012	1	1	14	V	2.8	0.2	3.47	325
401431127	2012	1	1	15	V	1.8	0.2	4.36	336
401431127	2012	1	1	16	V	3.1	0.3	4.39	330
401431127	2012	1	1	17	V	3.3	0.3	3.12	320
401431127	2012	1	1	18	V	4.3	0.3	1.98	287
401431127	2012	1	1	19	V	2.9	0.2	1.82	294
401431127	2012	1	1	20	V	2.4	0.2	1.86	285
401431127	2012	1	1	21	V	2.7	0.2	1.64	285
401431127	2012	1	1	22	V	2.7	0.2	1.65	298
401431127	2012	1	1	23	V	3.7	0.2	2.44	335
401431127	2012	1	1	24	V	3.2	0.2	1.87	317
401431127	2012	1	2	1	V	2.3	0.3	2.52	337
401431127	2012	1	2	2	V	2.4	0.2	2.39	337
401431127	2012	1	2	3	V	1.9	0.2	5.29	1
401431127	2012	1	2	4	V	1.9	0.2	3.64	349
401431127	2012	1	2	5	V	2.1	0.2	2.21	328
401431127	2012	1	2	6	V	2.0	0.2	2.16	329
401431127	2012	1	2	7	V	1.6	0.2	2.01	319
401431127	2012	1	2	8	V	2.4	0.1	2.22	320
401431127	2012	1	2	9	V	2.0	0.2	2.54	331
401431127	2012	1	2	10	V	3.0	0.3	3.25	341
401431127	2012	1	2	11	V	2.9	0.2	3.73	342
401431127	2012	1	2	12	V	5.3	0.2	4.17	345
401431127	2012	1	2	13	V	6.2	0.2	3.9	338
401431127	2012	1	2	14	V	2.8	0.2	3.8	319
401431127	2012	1	2	15	V	1.8	0.2	3.73	324
401431127	2012	1	2	16	V	3.1	0.2	3.83	318
401431127	2012	1	2	17	V	3.3	0.2	2.83	307
401431127	2012	1	2	18	V	4.4	0.2	1.48	294

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	2	19	V	3.1	0.3	0.7	268
401431127	2012	1	2	20	V	2.5	0.5	0.96	287
401431127	2012	1	2	21	V	2.8	0.5	0.87	241
401431127	2012	1	2	22	V	2.9	1.1	0.8	245
401431127	2012	1	2	23	V	4.6	1.4	0.69	226
401431127	2012	1	2	24	V	3.5	1.1	0.53	272
401431127	2012	1	3	1	C	-999	1.6	0	0
401431127	2012	1	3	2	V	2.6	1.3	0.96	187
401431127	2012	1	3	3	V	3.1	1.3	0.86	223
401431127	2012	1	3	4	V	2.2	1.3	0.53	236
401431127	2012	1	3	5	C	-999	1.4	0	0
401431127	2012	1	3	6	C	-999	1.6	0	0
401431127	2012	1	3	7	V	4.2	0.9	0.86	220
401431127	2012	1	3	8	V	2.5	0.7	2.25	190
401431127	2012	1	3	9	V	2.0	0.8	3.2	167
401431127	2012	1	3	10	V	2.9	1.3	3.9	166
401431127	2012	1	3	11	V	2.8	1.8	5.68	178
401431127	2012	1	3	12	V	5.3	1.2	7.28	188
401431127	2012	1	3	13	V	6.1	0.8	6.82	185
401431127	2012	1	3	14	V	2.9	0.6	7.04	192
401431127	2012	1	3	15	V	1.9	0.6	7.43	193
401431127	2012	1	3	16	V	3.1	0.7	7.31	187
401431127	2012	1	3	17	V	3.4	0.8	6.33	184
401431127	2012	1	3	18	V	4.3	0.7	3.78	171
401431127	2012	1	3	19	V	2.9	0.7	3.44	171
401431127	2012	1	3	20	V	2.4	0.9	3.17	177
401431127	2012	1	3	21	V	2.6	1.1	2.49	185
401431127	2012	1	3	22	V	2.7	1	2.98	185
401431127	2012	1	3	23	V	3.8	1	3.69	188
401431127	2012	1	3	24	V	3.3	1.3	2.64	189
401431127	2012	1	4	1	V	2.4	1.3	1.7	169
401431127	2012	1	4	2	V	2.5	2	0.92	164
401431127	2012	1	4	3	V	14.2	0.9	1.16	210
401431127	2012	1	4	4	V	2.4	0.8	0.87	226
401431127	2012	1	4	5	C	-999	0.8	0	0
401431127	2012	1	4	6	V	2.3	1.1	0.52	264
401431127	2012	1	4	7	C	-999	1.6	0	0
401431127	2012	1	4	8	C	-999	3.9	0	0
401431127	2012	1	4	9	V	2.0	1.3	1.42	8
401431127	2012	1	4	10	V	2.9	0.6	4.88	9
401431127	2012	1	4	11	V	2.8	0.5	5.14	10
401431127	2012	1	4	12	V	5.3	0.7	4.46	7
401431127	2012	1	4	13	V	6.2	0.5	3.64	19
401431127	2012	1	4	14	V	3.0	0.4	2.23	334
401431127	2012	1	4	15	V	1.9	0.4	2.38	320
401431127	2012	1	4	16	V	3.2	0.3	2.67	322

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	4	17	V	3.4	0.4	1.99	306
401431127	2012	1	4	18	V	4.4	0.5	1.3	297
401431127	2012	1	4	19	V	3.0	1.4	1.65	278
401431127	2012	1	4	20	V	2.4	1.5	1.99	288
401431127	2012	1	4	21	V	7.0	1.6	0.94	217
401431127	2012	1	4	22	V	6.4	1.7	0.84	200
401431127	2012	1	4	23	V	4.0	1.6	0.65	269
401431127	2012	1	4	24	C	-999	2.1	0	0
401431127	2012	1	5	1	V	8.6	1.4	0.63	205
401431127	2012	1	5	2	C	-999	1.1	0	0
401431127	2012	1	5	3	V	8.8	1	0.86	214
401431127	2012	1	5	4	V	2.1	1.5	0.77	233
401431127	2012	1	5	5	V	3.4	1.4	0.97	196
401431127	2012	1	5	6	V	9.5	1.1	0.79	206
401431127	2012	1	5	7	V	6.1	0.8	0.94	201
401431127	2012	1	5	8	V	2.6	1.1	0.7	181
401431127	2012	1	5	9	V	3.6	1.2	1.3	198
401431127	2012	1	5	10	V	9.6	0.8	1.81	212
401431127	2012	1	5	11	V	5.9	0.6	2.62	217
401431127	2012	1	5	12	V	7.7	0.5	3.73	210
401431127	2012	1	5	13	V	8.0	1.8	4.94	208
401431127	2012	1	5	14	V	3.9	1.1	5.68	210
401431127	2012	1	5	15	V	3.0	0.8	5.22	212
401431127	2012	1	5	16	V	4.5	2.9	4.7	210
401431127	2012	1	5	17	V	3.4	5.6	4.65	187
401431127	2012	1	5	18	V	4.7	2.3	3.81	193
401431127	2012	1	5	19	V	3.1	2.4	3.22	193
401431127	2012	1	5	20	V	2.5	0.8	2.93	193
401431127	2012	1	5	21	V	2.6	2.3	3.22	187
401431127	2012	1	5	22	V	2.7	5.5	1.87	183
401431127	2012	1	5	23	V	3.7	9.6	2.69	186
401431127	2012	1	5	24	V	3.2	1.2	2.27	187
401431127	2012	1	6	1	V	2.9	0.9	3.9	194
401431127	2012	1	6	2	V	2.6	5.1	3.97	192
401431127	2012	1	6	3	V	1.9	6.4	3	189
401431127	2012	1	6	4	V	2.0	14.4	2.86	191
401431127	2012	1	6	5	V	2.1	6.2	2.47	187
401431127	2012	1	6	6	V	2.0	1.7	2.35	183
401431127	2012	1	6	7	V	1.7	1.9	1.57	176
401431127	2012	1	6	8	V	2.4	1.9	2.44	187
401431127	2012	1	6	9	V	3.4	3.5	2.79	196
401431127	2012	1	6	10	V	3.0	4.3	4.32	191
401431127	2012	1	6	11	V	3.1	5.7	5.41	195
401431127	2012	1	6	12	V	7.6	-999	4.36	208
401431127	2012	1	6	13	V	6.2	-999	4.37	185
401431127	2012	1	6	14	V	2.8	1.8	5.22	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	6	15	V	2.0	0.5	4.61	192
401431127	2012	1	6	16	V	3.2	0.5	4.56	192
401431127	2012	1	6	17	V	3.9	0.5	3.63	192
401431127	2012	1	6	18	V	4.3	0.7	2.06	184
401431127	2012	1	6	19	V	3.0	2.2	1.09	256
401431127	2012	1	6	20	V	2.4	1.2	2.06	301
401431127	2012	1	6	21	V	2.6	0.4	4.58	4
401431127	2012	1	6	22	V	2.7	0.4	5.09	11
401431127	2012	1	6	23	V	3.7	0.4	4.8	16
401431127	2012	1	6	24	V	3.2	0.3	5.04	12
401431127	2012	1	7	1	V	2.3	0.3	4.37	15
401431127	2012	1	7	2	V	2.4	0.4	5.21	17
401431127	2012	1	7	3	V	1.9	0.4	5.63	14
401431127	2012	1	7	4	V	1.9	0.5	5.9	13
401431127	2012	1	7	5	V	2.1	0.5	4.48	11
401431127	2012	1	7	6	V	2.0	0.5	4.37	13
401431127	2012	1	7	7	V	1.6	0.4	4.24	16
401431127	2012	1	7	8	V	2.4	0.4	3.97	12
401431127	2012	1	7	9	V	2.0	0.5	4.8	15
401431127	2012	1	7	10	V	2.9	1.1	5.39	25
401431127	2012	1	7	11	V	2.9	2.7	5.21	33
401431127	2012	1	7	12	V	5.3	0.7	5.05	29
401431127	2012	1	7	13	V	6.2	1.2	5.14	32
401431127	2012	1	7	14	V	3.3	5.6	5.21	36
401431127	2012	1	7	15	V	3.9	7.8	4.8	42
401431127	2012	1	7	16	V	3.1	6.7	4.32	27
401431127	2012	1	7	17	V	3.3	4.2	4.7	20
401431127	2012	1	7	18	V	4.3	0.6	4.8	26
401431127	2012	1	7	19	V	2.9	0.4	4.44	23
401431127	2012	1	7	20	V	2.4	0.3	4.51	29
401431127	2012	1	7	21	V	2.6	0.2	3.49	23
401431127	2012	1	7	22	V	2.7	0.2	4	24
401431127	2012	1	7	23	V	3.7	0.2	3.18	22
401431127	2012	1	7	24	V	3.2	0.2	2.95	18
401431127	2012	1	8	1	V	2.3	0.2	2.52	11
401431127	2012	1	8	2	V	2.4	0.2	3.54	9
401431127	2012	1	8	3	V	1.9	0.2	3.44	17
401431127	2012	1	8	4	V	1.9	0.2	3.29	21
401431127	2012	1	8	5	V	2.1	0.2	2.55	17
401431127	2012	1	8	6	V	2.0	0.2	2.86	16
401431127	2012	1	8	7	V	1.6	0.2	3.59	16
401431127	2012	1	8	8	V	2.4	0.2	3.85	14
401431127	2012	1	8	9	V	2.0	0.2	4	13
401431127	2012	1	8	10	V	2.9	0.5	4.2	16
401431127	2012	1	8	11	V	2.8	2.2	4.39	18
401431127	2012	1	8	12	V	5.3	4.6	3.98	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	8	13	V	6.2	4.9	3.85	9
401431127	2012	1	8	14	V	2.8	5.2	3.86	11
401431127	2012	1	8	15	V	1.8	1.2	3.68	8
401431127	2012	1	8	16	V	3.1	1.1	3.85	7
401431127	2012	1	8	17	V	3.3	1.2	3.86	9
401431127	2012	1	8	18	V	4.3	1.8	3.06	7
401431127	2012	1	8	19	V	2.9	1.2	3.57	19
401431127	2012	1	8	20	V	2.4	1	3.13	14
401431127	2012	1	8	21	V	2.6	0.7	3.4	3
401431127	2012	1	8	22	V	2.7	0.5	4.24	7
401431127	2012	1	8	23	V	3.7	0.3	4.26	15
401431127	2012	1	8	24	V	3.2	0.1	3.56	14
401431127	2012	1	9	1	V	2.3	0	3.69	10
401431127	2012	1	9	2	V	2.4	0.1	3	10
401431127	2012	1	9	3	V	1.9	0	3.98	4
401431127	2012	1	9	4	V	1.9	0	3.25	10
401431127	2012	1	9	5	V	2.1	0	2.15	357
401431127	2012	1	9	6	V	2.0	0	1.81	345
401431127	2012	1	9	7	V	1.6	0.3	2.37	356
401431127	2012	1	9	8	V	2.4	0	1.84	351
401431127	2012	1	9	9	V	2.0	0.2	2.98	6
401431127	2012	1	9	10	V	3.0	0.5	3.12	12
401431127	2012	1	9	11	V	2.9	1.5	3.63	10
401431127	2012	1	9	12	V	5.3	2.3	4.94	15
401431127	2012	1	9	13	V	6.2	1.6	4.88	9
401431127	2012	1	9	14	V	2.9	1.4	3.54	9
401431127	2012	1	9	15	V	2.0	1.2	3.01	27
401431127	2012	1	9	16	V	3.2	0.9	2.83	10
401431127	2012	1	9	17	V	3.4	0.8	2.35	360
401431127	2012	1	9	18	V	4.4	1.1	1.59	7
401431127	2012	1	9	19	V	3.1	1.5	0.97	3
401431127	2012	1	9	20	V	2.4	2.4	1.76	4
401431127	2012	1	9	21	V	2.7	1.3	1.79	355
401431127	2012	1	9	22	V	2.7	0.8	1.42	336
401431127	2012	1	9	23	V	3.7	1.2	2.25	17
401431127	2012	1	9	24	V	3.3	0.4	1.42	11
401431127	2012	1	10	1	V	2.3	0.5	2.1	23
401431127	2012	1	10	2	V	2.5	0.4	1.18	17
401431127	2012	1	10	3	V	1.9	0.4	2.25	16
401431127	2012	1	10	4	V	1.9	0.4	2.35	36
401431127	2012	1	10	5	V	2.1	0.2	3.54	27
401431127	2012	1	10	6	V	2.0	0.2	1.23	314
401431127	2012	1	10	7	V	1.6	0.2	2.05	6
401431127	2012	1	10	8	V	2.4	0.3	3.27	15
401431127	2012	1	10	9	V	2.0	0.4	3.18	19
401431127	2012	1	10	10	V	3.0	0.4	3.18	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	10	11	V	2.9	0.5	2.71	357
401431127	2012	1	10	12	V	5.4	0.5	3.32	4
401431127	2012	1	10	13	C	-999	0.7	0	0
401431127	2012	1	10	14	C	-999	0.9	0	0
401431127	2012	1	10	15	V	1.9	1.2	1.76	296
401431127	2012	1	10	16	V	3.2	1.6	1.76	288
401431127	2012	1	10	17	C	-999	2.8	0	0
401431127	2012	1	10	18	C	-999	2.5	0	0
401431127	2012	1	10	19	C	-999	2.1	0	0
401431127	2012	1	10	20	C	-999	2.2	0	0
401431127	2012	1	10	21	V	2.7	1.9	1.16	317
401431127	2012	1	10	22	V	3.0	1.4	0.6	259
401431127	2012	1	10	23	V	3.8	1.8	1.43	143
401431127	2012	1	10	24	V	3.4	0.9	0.77	166
401431127	2012	1	11	1	V	2.5	1.3	0.87	244
401431127	2012	1	11	2	V	8.5	1.1	0.67	213
401431127	2012	1	11	3	C	-999	1.3	0	0
401431127	2012	1	11	4	V	2.1	1.1	0.75	239
401431127	2012	1	11	5	V	2.2	1.1	0.89	237
401431127	2012	1	11	6	V	2.1	1.2	1.08	234
401431127	2012	1	11	7	V	2.7	1.9	0.82	224
401431127	2012	1	11	8	C	-999	2	0	0
401431127	2012	1	11	9	V	7.2	3.1	0.72	216
401431127	2012	1	11	10	V	3.7	1.5	1.03	178
401431127	2012	1	11	11	V	4.3	1.3	1.45	188
401431127	2012	1	11	12	V	8.2	1.1	2.18	219
401431127	2012	1	11	13	V	6.2	0.5	2.71	260
401431127	2012	1	11	14	V	2.8	1.2	3.93	289
401431127	2012	1	11	15	V	1.8	0.6	4.75	315
401431127	2012	1	11	16	V	3.1	0.3	4.99	334
401431127	2012	1	11	17	V	3.3	0.3	5.41	324
401431127	2012	1	11	18	V	4.3	0.3	5.72	332
401431127	2012	1	11	19	V	2.9	0.2	6.38	345
401431127	2012	1	11	20	V	2.4	0.2	6.47	341
401431127	2012	1	11	21	V	2.6	0.1	6.21	332
401431127	2012	1	11	22	V	2.7	0	5.92	342
401431127	2012	1	11	23	V	3.7	0	5.27	339
401431127	2012	1	11	24	V	3.2	0	4.53	337
401431127	2012	1	12	1	V	2.3	0	4.73	334
401431127	2012	1	12	2	V	2.4	0	3.92	330
401431127	2012	1	12	3	V	1.9	0	4.19	325
401431127	2012	1	12	4	V	1.9	0	3.49	313
401431127	2012	1	12	5	V	2.1	0	4.77	312
401431127	2012	1	12	6	V	2.0	0	4.05	316
401431127	2012	1	12	7	V	1.6	0	4	302
401431127	2012	1	12	8	V	2.4	0	4.88	311

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	12	9	V	2.0	0.1	3.22	303
401431127	2012	1	12	10	V	2.9	0.1	4.54	302
401431127	2012	1	12	11	V	2.8	0.2	4.95	312
401431127	2012	1	12	12	V	5.3	0.1	4.92	298
401431127	2012	1	12	13	V	6.2	0	5.04	297
401431127	2012	1	12	14	V	2.8	0	4.76	293
401431127	2012	1	12	15	V	1.8	0	4.94	287
401431127	2012	1	12	16	V	3.1	0.1	4.61	289
401431127	2012	1	12	17	V	3.3	0.2	4.41	286
401431127	2012	1	12	18	V	4.3	0.3	3.07	283
401431127	2012	1	12	19	V	2.9	0.3	2.37	268
401431127	2012	1	12	20	V	2.4	0.2	1.81	263
401431127	2012	1	12	21	V	2.6	0.3	2.13	262
401431127	2012	1	12	22	V	2.7	0.4	1.98	267
401431127	2012	1	12	23	V	3.7	0.4	1.98	258
401431127	2012	1	12	24	V	3.3	0.3	1.64	278
401431127	2012	1	13	1	V	2.4	0.3	1.23	284
401431127	2012	1	13	2	V	2.4	0.5	1.6	279
401431127	2012	1	13	3	V	2.1	0.5	0.82	304
401431127	2012	1	13	4	V	2.0	0.3	1.31	278
401431127	2012	1	13	5	V	2.3	0.3	0.67	252
401431127	2012	1	13	6	C	-999	0.2	0	0
401431127	2012	1	13	7	V	1.9	0.4	0.72	184
401431127	2012	1	13	8	V	10.0	1.8	1.13	204
401431127	2012	1	13	9	V	2.6	1.1	0.8	226
401431127	2012	1	13	10	V	8.8	0.7	1.25	214
401431127	2012	1	13	11	V	9.3	0.4	1.3	207
401431127	2012	1	13	12	V	9.6	0.5	2.74	209
401431127	2012	1	13	13	V	8.4	6.3	3.32	215
401431127	2012	1	13	14	V	4.8	1.5	3.47	211
401431127	2012	1	13	15	V	2.6	2.1	3.42	221
401431127	2012	1	13	16	V	3.3	0.2	3.34	227
401431127	2012	1	13	17	V	3.4	0.1	2.45	237
401431127	2012	1	13	18	V	4.4	0.2	1.09	235
401431127	2012	1	13	19	C	-999	0.8	0	0
401431127	2012	1	13	20	C	-999	2.3	0	0
401431127	2012	1	13	21	V	14.4	3.3	1.37	213
401431127	2012	1	13	22	V	15.6	3	1.6	206
401431127	2012	1	13	23	V	9.9	2.9	0.89	203
401431127	2012	1	13	24	C	-999	5.9	0	0
401431127	2012	1	14	1	C	-999	1	0	0
401431127	2012	1	14	2	V	12.1	0.6	1.08	212
401431127	2012	1	14	3	V	2.6	0.5	0.84	225
401431127	2012	1	14	4	V	10.4	0.4	0.86	207
401431127	2012	1	14	5	V	2.1	0.3	1.98	232
401431127	2012	1	14	6	V	2.0	0.3	1.89	259

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	14	7	V	1.6	0.3	1.5	249
401431127	2012	1	14	8	V	2.4	0.5	1.06	249
401431127	2012	1	14	9	V	2.0	0.5	2.2	310
401431127	2012	1	14	10	V	2.9	0.4	3.3	320
401431127	2012	1	14	11	V	2.8	0.1	4.32	331
401431127	2012	1	14	12	V	5.3	0.1	3.93	321
401431127	2012	1	14	13	V	6.2	0.1	4.02	321
401431127	2012	1	14	14	V	2.8	0.1	3.52	319
401431127	2012	1	14	15	V	1.8	0.1	2.61	296
401431127	2012	1	14	16	V	3.1	0	2.44	290
401431127	2012	1	14	17	V	3.4	0.1	1.93	280
401431127	2012	1	14	18	V	4.4	0.1	1.3	255
401431127	2012	1	14	19	V	3.2	0.7	0.62	281
401431127	2012	1	14	20	V	2.6	1.9	0.6	304
401431127	2012	1	14	21	C	-999	2.3	0	0
401431127	2012	1	14	22	V	5.2	2.1	0.6	198
401431127	2012	1	14	23	V	4.0	2	0.55	244
401431127	2012	1	14	24	V	3.5	2.1	0.55	242
401431127	2012	1	15	1	C	-999	1.3	0	0
401431127	2012	1	15	2	V	5.7	1.5	0.74	219
401431127	2012	1	15	3	V	2.1	1.8	0.65	255
401431127	2012	1	15	4	V	4.5	1.8	1.11	199
401431127	2012	1	15	5	V	3.1	1.4	1.43	197
401431127	2012	1	15	6	V	2.0	1.5	1.57	185
401431127	2012	1	15	7	V	1.6	2.1	1.62	177
401431127	2012	1	15	8	V	2.4	0.2	2.61	162
401431127	2012	1	15	9	V	2.0	0.3	3.9	168
401431127	2012	1	15	10	V	2.9	0.9	4.73	164
401431127	2012	1	15	11	V	2.8	0.8	5.53	167
401431127	2012	1	15	12	V	5.3	0.8	5.46	169
401431127	2012	1	15	13	V	6.1	1.5	6.84	176
401431127	2012	1	15	14	V	2.8	2	7.93	180
401431127	2012	1	15	15	V	1.8	1.3	8.17	179
401431127	2012	1	15	16	V	3.1	1	7.3	176
401431127	2012	1	15	17	V	3.3	0.7	6.02	172
401431127	2012	1	15	18	V	4.3	0.5	5.07	165
401431127	2012	1	15	19	V	2.9	0.7	6.86	179
401431127	2012	1	15	20	V	2.4	0.8	7.4	178
401431127	2012	1	15	21	V	2.6	1.2	6.87	177
401431127	2012	1	15	22	V	2.7	1.7	6.5	179
401431127	2012	1	15	23	V	3.7	1.2	6.99	182
401431127	2012	1	15	24	V	3.4	0.9	8.01	190
401431127	2012	1	16	1	V	3.5	0.7	8.08	196
401431127	2012	1	16	2	V	4.2	0.6	8.22	198
401431127	2012	1	16	3	V	2.7	0.5	8.2	195
401431127	2012	1	16	4	V	3.1	0.5	7.76	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	16	5	V	3.0	0.5	7.31	195
401431127	2012	1	16	6	V	5.0	0.5	7.11	200
401431127	2012	1	16	7	V	4.7	1.2	7.11	200
401431127	2012	1	16	8	V	5.8	1.9	7.47	201
401431127	2012	1	16	9	V	8.3	3.3	7.28	207
401431127	2012	1	16	10	V	3.9	5.2	7.99	208
401431127	2012	1	16	11	V	3.5	2.2	7.96	212
401431127	2012	1	16	12	V	5.9	1	7.43	214
401431127	2012	1	16	13	V	6.8	0.9	7.81	210
401431127	2012	1	16	14	V	3.7	4.2	7.31	207
401431127	2012	1	16	15	V	2.7	2.4	6.99	206
401431127	2012	1	16	16	V	3.2	5.5	6.82	194
401431127	2012	1	16	17	V	3.3	3.8	6.4	193
401431127	2012	1	16	18	V	4.4	0.9	7.43	189
401431127	2012	1	16	19	V	3.9	0.6	6.84	195
401431127	2012	1	16	20	V	3.1	0.5	6.75	194
401431127	2012	1	16	21	V	3.3	0.5	8.03	194
401431127	2012	1	16	22	V	3.5	0.4	8.27	195
401431127	2012	1	16	23	V	6.6	0.6	7.48	200
401431127	2012	1	16	24	V	5.8	1.5	6.79	199
401431127	2012	1	17	1	V	6.5	1.2	5.97	201
401431127	2012	1	17	2	V	2.8	1.8	4.36	226
401431127	2012	1	17	3	V	1.9	0.5	5.84	303
401431127	2012	1	17	4	V	1.9	0.2	5.78	319
401431127	2012	1	17	5	V	2.1	0.2	4.49	327
401431127	2012	1	17	6	V	2.0	0.2	4.58	325
401431127	2012	1	17	7	V	1.6	0.1	4.44	320
401431127	2012	1	17	8	V	2.4	0.1	4.29	330
401431127	2012	1	17	9	V	2.0	0.1	5.11	335
401431127	2012	1	17	10	V	2.9	0.1	4.92	338
401431127	2012	1	17	11	V	2.8	0	5.14	339
401431127	2012	1	17	12	V	5.3	0.1	4.65	335
401431127	2012	1	17	13	V	6.2	0.1	4.73	345
401431127	2012	1	17	14	V	2.8	0	4.29	351
401431127	2012	1	17	15	V	1.8	0.1	4.49	354
401431127	2012	1	17	16	V	3.1	0.1	4.36	3
401431127	2012	1	17	17	V	3.3	0.1	4.54	8
401431127	2012	1	17	18	V	4.3	0.1	3.41	5
401431127	2012	1	17	19	V	2.9	0.1	2.42	355
401431127	2012	1	17	20	V	2.4	0.1	2.73	355
401431127	2012	1	17	21	V	2.6	0.1	2.93	351
401431127	2012	1	17	22	V	2.7	0	2.47	350
401431127	2012	1	17	23	V	3.7	0	2.69	8
401431127	2012	1	17	24	V	3.2	0.1	2.08	5
401431127	2012	1	18	1	V	2.3	0	2.06	15
401431127	2012	1	18	2	V	2.4	0.1	1.84	23

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	18	3	V	1.9	0	1.3	24
401431127	2012	1	18	4	V	2.1	0	0.67	283
401431127	2012	1	18	5	C	-999	0.1	0	0
401431127	2012	1	18	6	V	2.1	0.4	0.84	277
401431127	2012	1	18	7	V	1.8	1	0.77	244
401431127	2012	1	18	8	C	-999	1.1	0	0
401431127	2012	1	18	9	V	4.6	1	1.04	199
401431127	2012	1	18	10	V	6.7	1.5	2.08	199
401431127	2012	1	18	11	V	2.9	0.8	4.32	191
401431127	2012	1	18	12	V	5.9	2.3	3.83	195
401431127	2012	1	18	13	V	6.3	-999	3.54	187
401431127	2012	1	18	14	V	2.9	-999	4.02	189
401431127	2012	1	18	15	V	1.9	1	4.54	187
401431127	2012	1	18	16	V	3.1	2.2	4.19	183
401431127	2012	1	18	17	V	3.4	4.7	3.93	178
401431127	2012	1	18	18	V	4.3	0.5	2.93	179
401431127	2012	1	18	19	V	2.9	0.5	2.23	185
401431127	2012	1	18	20	V	2.5	0.5	1.93	191
401431127	2012	1	18	21	V	6.0	0.4	1.35	200
401431127	2012	1	18	22	V	2.7	0.4	2.42	188
401431127	2012	1	18	23	V	3.7	0.4	1.57	181
401431127	2012	1	18	24	V	3.2	0.3	1.65	173
401431127	2012	1	19	1	V	2.4	0.3	1.38	179
401431127	2012	1	19	2	V	2.5	0.3	1.03	159
401431127	2012	1	19	3	V	1.9	0.2	2.4	161
401431127	2012	1	19	4	V	1.9	0.2	1.55	171
401431127	2012	1	19	5	V	2.1	0.3	1.99	162
401431127	2012	1	19	6	V	2.0	0.4	2.13	171
401431127	2012	1	19	7	V	1.7	0.7	1.54	188
401431127	2012	1	19	8	V	2.5	1	1.06	278
401431127	2012	1	19	9	V	2.1	0.8	1.07	8
401431127	2012	1	19	10	V	3.4	1.1	2.65	31
401431127	2012	1	19	11	V	4.0	1.6	1.3	38
401431127	2012	1	19	12	V	5.5	2.4	1.82	311
401431127	2012	1	19	13	V	6.2	-999	3.27	26
401431127	2012	1	19	14	V	2.8	-999	4.46	20
401431127	2012	1	19	15	V	1.8	-999	4.41	9
401431127	2012	1	19	16	V	3.1	1.8	4.27	13
401431127	2012	1	19	17	V	3.3	1.3	3.68	9
401431127	2012	1	19	18	V	4.3	0.9	3.17	3
401431127	2012	1	19	19	V	2.9	0.8	2.69	358
401431127	2012	1	19	20	V	2.4	0.7	3.29	356
401431127	2012	1	19	21	V	2.6	0.4	4.12	15
401431127	2012	1	19	22	V	2.7	0.3	4.05	17
401431127	2012	1	19	23	V	3.7	0.2	3.91	15
401431127	2012	1	19	24	V	3.2	0.2	4.12	23

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	20	1	V	2.3	0.2	3.08	18
401431127	2012	1	20	2	V	2.4	0.2	3.1	29
401431127	2012	1	20	3	V	1.9	0.1	3.32	30
401431127	2012	1	20	4	V	1.9	0.1	1.45	23
401431127	2012	1	20	5	V	2.1	0.1	1.16	10
401431127	2012	1	20	6	V	2.0	0.1	1.82	11
401431127	2012	1	20	7	V	1.6	0.2	1.93	19
401431127	2012	1	20	8	V	2.4	0.3	3.37	22
401431127	2012	1	20	9	V	2.0	0.3	3.13	27
401431127	2012	1	20	10	V	3.0	0.3	2.76	21
401431127	2012	1	20	11	V	3.0	0.4	1.6	354
401431127	2012	1	20	12	V	5.8	0.5	1.93	30
401431127	2012	1	20	13	V	6.3	0.3	1.96	333
401431127	2012	1	20	14	V	3.0	0.3	1.69	295
401431127	2012	1	20	15	V	1.9	0.4	2.62	299
401431127	2012	1	20	16	V	3.1	0.3	3.32	306
401431127	2012	1	20	17	V	3.4	0.3	3.29	329
401431127	2012	1	20	18	V	4.3	0.3	3.35	341
401431127	2012	1	20	19	V	2.9	0.3	4.56	3
401431127	2012	1	20	20	V	2.4	0.2	5.38	1
401431127	2012	1	20	21	V	2.6	0.2	5.65	2
401431127	2012	1	20	22	V	2.7	0.4	5.73	4
401431127	2012	1	20	23	V	3.7	0.9	5.97	3
401431127	2012	1	20	24	V	3.2	0.8	6.21	5
401431127	2012	1	21	1	V	2.3	0.6	5.75	5
401431127	2012	1	21	2	V	2.4	0.5	5.29	8
401431127	2012	1	21	3	V	1.9	0.3	4.68	9
401431127	2012	1	21	4	V	1.9	0.2	4.54	5
401431127	2012	1	21	5	V	2.1	0.3	4.54	360
401431127	2012	1	21	6	V	2.0	0.3	4.83	8
401431127	2012	1	21	7	V	1.6	0.3	3.3	15
401431127	2012	1	21	8	V	2.4	0.3	4.24	3
401431127	2012	1	21	9	V	2.0	0.5	4.8	17
401431127	2012	1	21	10	V	2.9	1.8	4.27	19
401431127	2012	1	21	11	V	2.9	3.3	3.37	17
401431127	2012	1	21	12	V	5.4	3.6	2.49	21
401431127	2012	1	21	13	V	7.2	1.7	1.65	35
401431127	2012	1	21	14	V	3.2	2.4	1.77	27
401431127	2012	1	21	15	V	2.0	3.9	2.04	17
401431127	2012	1	21	16	V	3.2	1.4	2.27	73
401431127	2012	1	21	17	V	3.3	1.3	2.44	125
401431127	2012	1	21	18	V	4.3	-999	2.88	150
401431127	2012	1	21	19	V	2.9	-999	2.22	164
401431127	2012	1	21	20	V	2.4	-999	2.18	148
401431127	2012	1	21	21	V	2.6	-999	2.74	158
401431127	2012	1	21	22	V	2.7	-999	3.15	150

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	21	23	V	3.7	-999	4.83	161
401431127	2012	1	21	24	V	3.2	-999	5.33	170
401431127	2012	1	22	1	V	2.3	-999	5	172
401431127	2012	1	22	2	V	2.4	-999	3.81	169
401431127	2012	1	22	3	V	1.9	-999	4.93	163
401431127	2012	1	22	4	V	1.9	-999	4.54	160
401431127	2012	1	22	5	V	2.1	-999	5.58	162
401431127	2012	1	22	6	V	2.0	-999	7.86	173
401431127	2012	1	22	7	V	1.6	-999	8.2	175
401431127	2012	1	22	8	V	2.4	-999	7.11	172
401431127	2012	1	22	9	V	2.0	-999	6.72	170
401431127	2012	1	22	10	V	2.9	-999	7.55	175
401431127	2012	1	22	11	V	2.8	-999	7.79	178
401431127	2012	1	22	12	V	5.3	-999	10.04	192
401431127	2012	1	22	13	V	6.2	-999	9.95	191
401431127	2012	1	22	14	V	2.8	-999	9.15	186
401431127	2012	1	22	15	V	1.8	-999	8.27	189
401431127	2012	1	22	16	V	3.6	-999	9.13	215
401431127	2012	1	22	17	V	3.6	-999	9.32	218
401431127	2012	1	22	18	V	6.4	-999	8.33	219
401431127	2012	1	22	19	V	2.9	-999	5.38	237
401431127	2012	1	22	20	V	2.4	-999	5.8	275
401431127	2012	1	22	21	V	2.6	-999	6.7	277
401431127	2012	1	22	22	V	2.7	-999	5.82	288
401431127	2012	1	22	23	V	3.7	-999	5.75	300
401431127	2012	1	22	24	V	3.2	-999	3.25	281
401431127	2012	1	23	1	V	2.3	-999	2.13	285
401431127	2012	1	23	2	V	2.4	-999	1.99	251
401431127	2012	1	23	3	V	1.9	-999	2.2	290
401431127	2012	1	23	4	V	1.9	-999	1.84	269
401431127	2012	1	23	5	V	2.1	-999	1.6	239
401431127	2012	1	23	6	V	2.1	-999	0.79	283
401431127	2012	1	23	7	V	1.6	-999	1.52	265
401431127	2012	1	23	8	V	2.4	-999	2.25	270
401431127	2012	1	23	9	V	2.0	-999	1.96	276
401431127	2012	1	23	10	V	3.0	-999	2.64	291
401431127	2012	1	23	11	V	2.9	-999	2.47	300
401431127	2012	1	23	12	V	5.3	-999	3.35	303
401431127	2012	1	23	13	V	6.2	-999	3.25	282
401431127	2012	1	23	14	V	2.9	-999	2.64	279
401431127	2012	1	23	15	V	1.8	-999	2.88	286
401431127	2012	1	23	16	V	3.1	-999	2.54	262
401431127	2012	1	23	17	V	3.3	-999	2.08	273
401431127	2012	1	23	18	V	4.4	-999	0.75	261
401431127	2012	1	23	19	C	-999	-999	0	0
401431127	2012	1	23	20	C	-999	-999	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	23	21	V	2.9	-999	0.55	240
401431127	2012	1	23	22	V	2.9	-999	0.62	276
401431127	2012	1	23	23	V	4.0	-999	0.53	275
401431127	2012	1	23	24	C	-999	-999	0	0
401431127	2012	1	24	1	C	-999	-999	0	0
401431127	2012	1	24	2	C	-999	-999	0	0
401431127	2012	1	24	3	C	-999	-999	0	0
401431127	2012	1	24	4	C	-999	-999	0	0
401431127	2012	1	24	5	V	2.3	-999	0.67	276
401431127	2012	1	24	6	C	-999	-999	0	0
401431127	2012	1	24	7	V	1.8	-999	0.69	265
401431127	2012	1	24	8	V	2.4	-999	1.18	229
401431127	2012	1	24	9	V	2.2	-999	0.63	182
401431127	2012	1	24	10	V	3.1	-999	1.89	138
401431127	2012	1	24	11	V	2.8	-999	4.05	135
401431127	2012	1	24	12	V	5.3	-999	4.97	141
401431127	2012	1	24	13	V	6.1	-999	6.01	145
401431127	2012	1	24	14	V	2.8	-999	5.51	133
401431127	2012	1	24	15	V	1.8	-999	5.48	130
401431127	2012	1	24	16	V	3.1	-999	5.9	119
401431127	2012	1	24	17	V	3.3	-999	4.17	135
401431127	2012	1	24	18	V	4.3	-999	2.96	117
401431127	2012	1	24	19	V	2.9	-999	2.83	108
401431127	2012	1	24	20	V	2.4	-999	3.49	107
401431127	2012	1	24	21	V	2.6	-999	2.95	139
401431127	2012	1	24	22	V	2.7	-999	4.88	163
401431127	2012	1	24	23	V	3.7	-999	3.81	158
401431127	2012	1	24	24	V	3.2	-999	2.57	131
401431127	2012	1	25	1	V	2.3	-999	2.95	82
401431127	2012	1	25	2	V	2.4	-999	1.79	65
401431127	2012	1	25	3	V	1.9	-999	2.35	37
401431127	2012	1	25	4	V	3.6	-999	2.74	43
401431127	2012	1	25	5	V	2.4	-999	3.12	40
401431127	2012	1	25	6	V	2.2	-999	5.12	39
401431127	2012	1	25	7	V	1.6	-999	5.14	33
401431127	2012	1	25	8	V	3.0	-999	3.01	41
401431127	2012	1	25	9	V	2.5	-999	2.76	39
401431127	2012	1	25	10	V	3.0	-999	3.05	10
401431127	2012	1	25	11	V	3.2	-999	3.15	35
401431127	2012	1	25	12	V	5.4	-999	2.66	14
401431127	2012	1	25	13	V	6.2	-999	3.69	2
401431127	2012	1	25	14	V	2.8	-999	4.27	6
401431127	2012	1	25	15	V	1.8	0.3	4.88	23
401431127	2012	1	25	16	V	3.1	0.3	3.68	24
401431127	2012	1	25	17	V	3.4	0.5	3.05	28
401431127	2012	1	25	18	V	4.3	0.3	3.93	11

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	25	19	V	2.9	0.2	3.68	14
401431127	2012	1	25	20	V	2.4	0.2	3.44	18
401431127	2012	1	25	21	V	2.6	0.1	3.66	16
401431127	2012	1	25	22	V	2.7	0.1	3.92	19
401431127	2012	1	25	23	V	3.7	0.1	3.56	27
401431127	2012	1	25	24	V	3.2	0.1	2.2	6
401431127	2012	1	26	1	V	2.3	0.1	1.77	3
401431127	2012	1	26	2	V	2.4	0.1	3.35	356
401431127	2012	1	26	3	V	1.9	0.1	3.37	4
401431127	2012	1	26	4	V	1.9	0.1	3.03	348
401431127	2012	1	26	5	V	2.1	0.1	3.18	13
401431127	2012	1	26	6	V	2.0	0.1	3.64	8
401431127	2012	1	26	7	V	1.6	0.1	3.12	11
401431127	2012	1	26	8	V	2.4	0.1	3	1
401431127	2012	1	26	9	V	2.0	0.1	3.29	354
401431127	2012	1	26	10	V	2.9	0.1	4.12	4
401431127	2012	1	26	11	V	2.8	0.1	5.09	355
401431127	2012	1	26	12	V	5.3	0.2	4.39	352
401431127	2012	1	26	13	V	6.1	0.2	5.38	8
401431127	2012	1	26	14	V	2.8	0.2	6.13	11
401431127	2012	1	26	15	V	1.8	0.2	5.89	354
401431127	2012	1	26	16	V	3.1	0.1	5.53	337
401431127	2012	1	26	17	V	3.3	0.1	4.7	339
401431127	2012	1	26	18	V	4.3	0.1	4.14	336
401431127	2012	1	26	19	V	2.9	0.1	2.16	338
401431127	2012	1	26	20	V	2.4	0.4	1.37	303
401431127	2012	1	26	21	V	2.8	0.8	0.7	275
401431127	2012	1	26	22	V	2.8	1.4	0.94	241
401431127	2012	1	26	23	V	10.9	1.3	0.74	206
401431127	2012	1	26	24	V	3.3	2.1	0.86	242
401431127	2012	1	27	1	V	2.6	1.3	0.58	9
401431127	2012	1	27	2	V	2.8	0.8	0.75	228
401431127	2012	1	27	3	V	2.1	0.6	0.57	182
401431127	2012	1	27	4	V	2.1	0.3	0.6	253
401431127	2012	1	27	5	V	2.4	0.6	0.52	251
401431127	2012	1	27	6	V	2.2	1	0.72	184
401431127	2012	1	27	7	C	-999	1.8	0	0
401431127	2012	1	27	8	V	2.5	2.2	1.01	229
401431127	2012	1	27	9	V	2.0	3.5	1.72	155
401431127	2012	1	27	10	V	2.9	1.9	3.63	165
401431127	2012	1	27	11	V	2.8	0.7	4.14	164
401431127	2012	1	27	12	V	5.3	0.5	5.84	162
401431127	2012	1	27	13	V	6.1	0.4	7.28	170
401431127	2012	1	27	14	V	2.8	0.3	6.41	166
401431127	2012	1	27	15	V	1.8	0.3	6.35	185
401431127	2012	1	27	16	V	3.2	1.2	6.26	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	27	17	V	4.9	1.8	4.05	212
401431127	2012	1	27	18	V	4.3	0.8	3.42	276
401431127	2012	1	27	19	V	2.9	0.5	4.05	302
401431127	2012	1	27	20	V	2.4	0.3	5.63	329
401431127	2012	1	27	21	V	2.6	0.2	6.28	336
401431127	2012	1	27	22	V	2.7	0.3	6.06	345
401431127	2012	1	27	23	V	3.7	0.1	5.09	354
401431127	2012	1	27	24	V	3.2	0.1	4.2	345
401431127	2012	1	28	1	V	2.3	0.1	4.97	345
401431127	2012	1	28	2	V	2.4	0	4.87	353
401431127	2012	1	28	3	V	1.9	0	3.98	358
401431127	2012	1	28	4	V	1.9	0	2.78	354
401431127	2012	1	28	5	V	2.1	0	1.35	314
401431127	2012	1	28	6	V	2.0	0	1.35	294
401431127	2012	1	28	7	V	1.7	0	1.31	277
401431127	2012	1	28	8	V	2.5	0.1	1.04	252
401431127	2012	1	28	9	V	2.1	0.2	0.97	308
401431127	2012	1	28	10	V	3.1	0.1	1.94	321
401431127	2012	1	28	11	V	3.0	0.1	1.82	330
401431127	2012	1	28	12	V	5.4	0.1	2.54	311
401431127	2012	1	28	13	V	6.2	0.1	2.38	296
401431127	2012	1	28	14	V	2.9	0.1	2.98	236
401431127	2012	1	28	15	V	1.8	0.1	2.93	251
401431127	2012	1	28	16	V	3.1	0.4	2.98	256
401431127	2012	1	28	17	V	3.3	0.3	2.64	256
401431127	2012	1	28	18	V	4.3	0.3	1.67	258
401431127	2012	1	28	19	V	3.0	0.4	0.89	246
401431127	2012	1	28	20	C	-999	1.4	0	0
401431127	2012	1	28	21	V	2.9	1.3	0.6	256
401431127	2012	1	28	22	V	5.0	1.7	0.74	221
401431127	2012	1	28	23	V	4.1	2.3	0.67	231
401431127	2012	1	28	24	V	7.5	1	0.74	201
401431127	2012	1	29	1	V	10.5	0.8	0.87	206
401431127	2012	1	29	2	C	-999	0.5	0	0
401431127	2012	1	29	3	V	2.1	0.3	0.77	186
401431127	2012	1	29	4	V	6.4	0.3	1.16	201
401431127	2012	1	29	5	V	6.7	0.5	0.53	203
401431127	2012	1	29	6	V	2.3	0.4	0.63	233
401431127	2012	1	29	7	V	1.8	0.3	0.75	162
401431127	2012	1	29	8	C	-999	0.5	0	0
401431127	2012	1	29	9	V	7.1	0.8	1.65	201
401431127	2012	1	29	10	V	4.6	0.7	4.39	213
401431127	2012	1	29	11	V	3.7	0.3	5.56	214
401431127	2012	1	29	12	V	6.1	0.2	6.36	214
401431127	2012	1	29	13	V	6.6	0.2	5.7	219
401431127	2012	1	29	14	V	3.9	0.3	5.14	213

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	29	15	V	2.2	0.3	5.48	220
401431127	2012	1	29	16	V	3.9	0.5	5.48	211
401431127	2012	1	29	17	V	4.5	0.8	4.75	210
401431127	2012	1	29	18	V	10.2	1.2	3.1	202
401431127	2012	1	29	19	V	3.2	0.9	1.4	192
401431127	2012	1	29	20	V	5.0	3	1.26	199
401431127	2012	1	29	21	V	4.6	2.3	1.7	199
401431127	2012	1	29	22	V	2.8	0.5	2.35	193
401431127	2012	1	29	23	V	4.2	1	1.62	196
401431127	2012	1	29	24	V	10.9	3.9	1.45	203
401431127	2012	1	30	1	V	3.0	0.9	1.86	197
401431127	2012	1	30	2	V	2.4	0.5	1.93	181
401431127	2012	1	30	3	V	1.9	0.6	2.35	187
401431127	2012	1	30	4	V	1.9	0.6	2.01	184
401431127	2012	1	30	5	V	13.5	0.6	2.35	205
401431127	2012	1	30	6	V	4.5	0.5	2.35	200
401431127	2012	1	30	7	V	1.8	0.6	2.62	193
401431127	2012	1	30	8	V	2.4	0.6	2.1	188
401431127	2012	1	30	9	V	2.5	0.9	4.03	191
401431127	2012	1	30	10	V	3.1	1.2	5.55	195
401431127	2012	1	30	11	V	2.9	1.3	6.04	190
401431127	2012	1	30	12	V	5.3	1.2	6.58	191
401431127	2012	1	30	13	V	6.1	1.1	6.65	184
401431127	2012	1	30	14	V	2.8	0.7	7.88	192
401431127	2012	1	30	15	V	1.8	0.7	8.11	192
401431127	2012	1	30	16	V	3.1	0.7	7.55	186
401431127	2012	1	30	17	V	3.3	0.6	7.35	183
401431127	2012	1	30	18	V	4.3	0.6	6.91	183
401431127	2012	1	30	19	V	2.9	0.7	6.6	179
401431127	2012	1	30	20	V	2.4	0.6	6.09	176
401431127	2012	1	30	21	V	2.6	0.7	5.99	170
401431127	2012	1	30	22	V	2.7	0.6	6.06	181
401431127	2012	1	30	23	V	3.7	0.5	6.72	186
401431127	2012	1	30	24	V	3.4	0.4	6.65	189
401431127	2012	1	31	1	V	2.7	0.3	6.91	192
401431127	2012	1	31	2	V	2.5	0.3	6.41	189
401431127	2012	1	31	3	V	2.3	0.3	5.99	192
401431127	2012	1	31	4	V	2.7	0.4	6.21	194
401431127	2012	1	31	5	V	2.2	0.3	5.44	189
401431127	2012	1	31	6	V	2.0	0.3	5.92	184
401431127	2012	1	31	7	V	1.6	0.3	5.6	177
401431127	2012	1	31	8	V	2.4	0.3	5.85	178
401431127	2012	1	31	9	V	2.0	0.3	6.58	183
401431127	2012	1	31	10	V	2.9	0.3	7.3	191
401431127	2012	1	31	11	V	3.0	0.7	7.69	198
401431127	2012	1	31	12	V	5.9	1.2	6.99	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	1	31	13	V	7.0	0.9	6.65	210
401431127	2012	1	31	14	V	3.1	0.4	6.87	220
401431127	2012	1	31	15	V	2.0	0.3	5.99	223
401431127	2012	1	31	16	V	3.1	0.3	5.19	234
401431127	2012	1	31	17	V	3.3	0.3	3.68	235
401431127	2012	1	31	18	V	4.3	0.4	2.27	244
401431127	2012	1	31	19	V	2.9	0.3	1.84	290
401431127	2012	1	31	20	V	2.4	0.4	1.23	315
401431127	2012	1	31	21	V	2.7	0.5	0.96	283
401431127	2012	1	31	22	V	2.9	0.9	0.63	240
401431127	2012	1	31	23	V	3.9	1.4	0.8	290
401431127	2012	1	31	24	V	4.4	1.8	0.62	225
401431127	2012	2	1	1	V	2.4	1.6	1.11	26
401431127	2012	2	1	2	V	2.4	0.8	2.78	14
401431127	2012	2	1	3	V	1.9	0.2	3.1	10
401431127	2012	2	1	4	V	1.9	0.2	3.05	11
401431127	2012	2	1	5	V	2.1	0.2	1.91	23
401431127	2012	2	1	6	V	2.0	0.1	2.83	11
401431127	2012	2	1	7	V	1.6	0.2	2.78	5
401431127	2012	2	1	8	V	2.4	0.7	2.98	9
401431127	2012	2	1	9	V	2.0	1	3.35	14
401431127	2012	2	1	10	V	3.0	0.5	3.46	20
401431127	2012	2	1	11	V	3.5	0.8	3.44	35
401431127	2012	2	1	12	V	6.2	0.9	3.59	38
401431127	2012	2	1	13	V	6.4	0.7	4.71	35
401431127	2012	2	1	14	V	3.0	1.1	3.88	32
401431127	2012	2	1	15	V	1.8	3.3	3.12	17
401431127	2012	2	1	16	V	3.1	0.8	3.17	2
401431127	2012	2	1	17	V	3.3	0.5	3.1	1
401431127	2012	2	1	18	V	4.3	0.6	2.57	7
401431127	2012	2	1	19	V	3.0	2	1.16	330
401431127	2012	2	1	20	V	2.6	2.2	0.72	332
401431127	2012	2	1	21	V	2.7	3.3	1.14	342
401431127	2012	2	1	22	V	2.8	3.2	0.96	25
401431127	2012	2	1	23	V	3.8	2.8	1.06	17
401431127	2012	2	1	24	V	3.3	2.5	1.47	7
401431127	2012	2	2	1	V	2.4	2.4	1.42	13
401431127	2012	2	2	2	V	2.6	1.5	0.63	250
401431127	2012	2	2	3	C	-999	1.7	0	0
401431127	2012	2	2	4	V	2.1	1.3	0.63	295
401431127	2012	2	2	5	C	-999	1.1	0	0
401431127	2012	2	2	6	V	2.1	1	0.84	351
401431127	2012	2	2	7	V	2.5	1.7	0.58	192
401431127	2012	2	2	8	C	-999	2.3	0	0
401431127	2012	2	2	9	V	2.6	2.8	0.94	34
401431127	2012	2	2	10	V	4.1	0.5	0.92	51

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	2	11	V	2.9	1.2	3.73	124
401431127	2012	2	2	12	V	5.3	6.4	4.92	124
401431127	2012	2	2	13	V	6.2	4.1	4.32	126
401431127	2012	2	2	14	V	2.8	3.5	4.61	114
401431127	2012	2	2	15	V	1.8	1.8	4.44	140
401431127	2012	2	2	16	V	3.1	1.1	5.39	128
401431127	2012	2	2	17	V	3.3	0.9	5.46	121
401431127	2012	2	2	18	V	4.3	2.8	4.97	120
401431127	2012	2	2	19	V	2.9	2.8	4.42	117
401431127	2012	2	2	20	V	2.4	1.2	4.94	121
401431127	2012	2	2	21	V	2.6	1	5.1	125
401431127	2012	2	2	22	V	2.7	1.5	5.63	133
401431127	2012	2	2	23	V	3.7	2.7	6.67	134
401431127	2012	2	2	24	V	3.2	2.8	6.82	136
401431127	2012	2	3	1	V	2.3	1.5	6.23	141
401431127	2012	2	3	2	V	2.4	1.1	5.75	138
401431127	2012	2	3	3	V	1.9	0.9	6.67	137
401431127	2012	2	3	4	V	1.9	0.8	5.51	138
401431127	2012	2	3	5	V	2.1	0.8	5	146
401431127	2012	2	3	6	V	2.0	0.6	5.21	156
401431127	2012	2	3	7	V	1.6	0.5	5.58	153
401431127	2012	2	3	8	V	2.4	0.4	3.83	159
401431127	2012	2	3	9	V	2.0	0.4	4.94	149
401431127	2012	2	3	10	V	2.9	0.4	4.56	152
401431127	2012	2	3	11	V	2.8	0.3	5.17	148
401431127	2012	2	3	12	V	5.3	0.3	3.95	151
401431127	2012	2	3	13	V	6.1	0.3	4.63	150
401431127	2012	2	3	14	V	2.8	0.3	4.44	152
401431127	2012	2	3	15	V	1.8	0.2	4.36	30
401431127	2012	2	3	16	V	3.1	0.3	5.99	21
401431127	2012	2	3	17	V	3.3	0.3	5.22	18
401431127	2012	2	3	18	V	6.4	0.2	5.1	48
401431127	2012	2	3	19	V	2.9	0.2	4.75	70
401431127	2012	2	3	20	V	2.4	0.3	2.66	79
401431127	2012	2	3	21	V	2.7	0.2	0.96	333
401431127	2012	2	3	22	V	2.7	0.2	1.4	279
401431127	2012	2	3	23	V	3.7	0.2	2.61	285
401431127	2012	2	3	24	V	3.2	0.2	1.94	299
401431127	2012	2	4	1	V	2.3	0.2	1.62	284
401431127	2012	2	4	2	V	2.4	0.2	1.42	292
401431127	2012	2	4	3	V	1.9	0.1	2.23	257
401431127	2012	2	4	4	V	1.9	0.1	3.49	267
401431127	2012	2	4	5	V	2.1	0.1	3.27	269
401431127	2012	2	4	6	V	2.0	0.1	3.61	269
401431127	2012	2	4	7	V	1.6	0.1	2.93	274
401431127	2012	2	4	8	V	2.4	0.1	2.23	267

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	4	9	V	2.0	0.1	2.64	276
401431127	2012	2	4	10	V	2.9	0.1	2.88	286
401431127	2012	2	4	11	V	2.8	0.1	3.71	290
401431127	2012	2	4	12	V	5.3	0.1	4.22	295
401431127	2012	2	4	13	V	6.1	0.1	4.32	302
401431127	2012	2	4	14	V	2.8	0.1	3.68	295
401431127	2012	2	4	15	V	1.8	0.1	3.47	299
401431127	2012	2	4	16	V	3.1	0.1	3.95	309
401431127	2012	2	4	17	V	3.3	0.1	3.76	314
401431127	2012	2	4	18	V	4.3	0.1	3.57	315
401431127	2012	2	4	19	V	2.9	0.1	4.1	324
401431127	2012	2	4	20	V	2.4	0.1	3.64	330
401431127	2012	2	4	21	V	2.6	0.1	4.27	337
401431127	2012	2	4	22	V	2.7	0.1	4.48	334
401431127	2012	2	4	23	V	3.7	0.1	3.97	330
401431127	2012	2	4	24	V	3.2	0.1	3.58	325
401431127	2012	2	5	1	V	2.3	0.1	3.97	328
401431127	2012	2	5	2	M	-999	0.1	3.36	999
401431127	2012	2	5	3	V	1.9	0.1	4.36	332
401431127	2012	2	5	4	M	-999	0.1	2.36	999
401431127	2012	2	5	5	V	2.1	0.1	3.36	329
401431127	2012	2	5	6	V	2.0	0.1	3.86	326
401431127	2012	2	5	7	V	1.6	0.1	2.93	336
401431127	2012	2	5	8	V	2.4	0.1	3.03	337
401431127	2012	2	5	9	V	2.0	0.1	3.2	341
401431127	2012	2	5	10	V	2.9	0	3.03	346
401431127	2012	2	5	11	V	2.8	0.1	3.01	353
401431127	2012	2	5	12	V	5.3	0.1	3.15	7
401431127	2012	2	5	13	V	6.2	0.1	2.95	2
401431127	2012	2	5	14	V	3.0	0.2	3.8	33
401431127	2012	2	5	15	V	1.9	0.3	2.91	28
401431127	2012	2	5	16	V	3.1	0.3	3.4	5
401431127	2012	2	5	17	V	3.3	0.3	4.09	11
401431127	2012	2	5	18	V	4.3	0.3	2.38	16
401431127	2012	2	5	19	V	3.1	0.4	0.65	320
401431127	2012	2	5	20	V	2.6	0.4	0.63	282
401431127	2012	2	5	21	C	-999	1	0	0
401431127	2012	2	5	22	C	-999	1.2	0	0
401431127	2012	2	5	23	C	-999	1.9	0	0
401431127	2012	2	5	24	V	7.1	2.3	0.6	200
401431127	2012	2	6	1	C	-999	2.6	0	0
401431127	2012	2	6	2	C	-999	1.8	0	0
401431127	2012	2	6	3	V	2.2	1.5	0.53	241
401431127	2012	2	6	4	V	2.3	0.8	0.75	229
401431127	2012	2	6	5	C	-999	0.5	0	0
401431127	2012	2	6	6	V	2.3	0.5	0.53	237

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	6	7	C	-999	1.1	0	0
401431127	2012	2	6	8	V	8.4	1.8	0.53	205
401431127	2012	2	6	9	V	2.7	2.8	0.63	135
401431127	2012	2	6	10	V	3.8	1.1	0.82	147
401431127	2012	2	6	11	V	3.3	0.6	1.03	156
401431127	2012	2	6	12	V	6.2	11.9	1.69	192
401431127	2012	2	6	13	V	6.3	2.6	1.71	150
401431127	2012	2	6	14	V	3.0	1	1.4	254
401431127	2012	2	6	15	V	2.2	0.8	1.47	181
401431127	2012	2	6	16	V	3.2	2.1	1.67	104
401431127	2012	2	6	17	V	3.3	4.8	1.86	101
401431127	2012	2	6	18	V	4.4	3.7	1.08	130
401431127	2012	2	6	19	V	4.9	1.9	0.52	196
401431127	2012	2	6	20	C	-999	2.5	0	0
401431127	2012	2	6	21	C	-999	1.9	0	0
401431127	2012	2	6	22	C	-999	1.2	0	0
401431127	2012	2	6	23	V	4.0	1.3	0.63	278
401431127	2012	2	6	24	C	-999	1.5	0	0
401431127	2012	2	7	1	V	2.6	1.5	0.52	333
401431127	2012	2	7	2	V	2.5	1.6	0.75	271
401431127	2012	2	7	3	C	-999	1.7	0	0
401431127	2012	2	7	4	C	-999	1.5	0	0
401431127	2012	2	7	5	V	2.3	1.2	0.58	293
401431127	2012	2	7	6	V	2.5	1	0.7	41
401431127	2012	2	7	7	V	1.8	0.8	0.8	276
401431127	2012	2	7	8	V	2.5	0.9	0.97	3
401431127	2012	2	7	9	V	5.0	0.5	1.6	44
401431127	2012	2	7	10	V	3.1	0.6	1.71	18
401431127	2012	2	7	11	V	3.1	0.7	1.48	20
401431127	2012	2	7	12	V	5.8	1.4	1.79	30
401431127	2012	2	7	13	V	6.3	0.8	2.27	19
401431127	2012	2	7	14	V	2.9	0.7	2.69	16
401431127	2012	2	7	15	V	1.8	0.8	4.05	18
401431127	2012	2	7	16	V	3.1	0.5	4.22	8
401431127	2012	2	7	17	V	3.3	0.4	4.17	7
401431127	2012	2	7	18	V	4.3	0.2	3.98	345
401431127	2012	2	7	19	V	2.9	0.1	3.37	347
401431127	2012	2	7	20	V	2.4	0.1	4.14	352
401431127	2012	2	7	21	V	2.6	0.1	3.73	342
401431127	2012	2	7	22	V	2.7	0.1	3.27	340
401431127	2012	2	7	23	V	3.7	0.1	3.97	348
401431127	2012	2	7	24	V	3.2	0.1	2.81	340
401431127	2012	2	8	1	V	2.3	0.1	3.01	336
401431127	2012	2	8	2	V	2.4	0.1	2.74	338
401431127	2012	2	8	3	V	1.9	0.1	3.2	341
401431127	2012	2	8	4	V	1.9	0.1	3.27	340

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	8	5	V	2.1	0.1	3	6
401431127	2012	2	8	6	V	2.0	0.1	1.64	327
401431127	2012	2	8	7	V	1.6	0.1	1.69	337
401431127	2012	2	8	8	V	2.4	0.1	1.91	328
401431127	2012	2	8	9	V	2.0	0.1	1.93	330
401431127	2012	2	8	10	V	3.0	0.2	1.79	339
401431127	2012	2	8	11	V	2.9	0.2	1.82	334
401431127	2012	2	8	12	V	5.4	0.2	2.32	3
401431127	2012	2	8	13	V	6.2	0.2	2.56	16
401431127	2012	2	8	14	V	2.9	0.3	2.08	10
401431127	2012	2	8	15	V	2.0	-999	1.48	25
401431127	2012	2	8	16	V	5.1	-999	0.7	220
401431127	2012	2	8	17	V	4.7	0.5	1.33	52
401431127	2012	2	8	18	V	6.3	0.4	1.43	42
401431127	2012	2	8	19	V	4.2	0.5	1.06	41
401431127	2012	2	8	20	V	2.7	0.8	0.62	310
401431127	2012	2	8	21	C	-999	0.7	0	0
401431127	2012	2	8	22	V	2.8	0.7	0.8	267
401431127	2012	2	8	23	V	3.9	0.4	0.72	288
401431127	2012	2	8	24	V	3.3	0.4	1.09	252
401431127	2012	2	9	1	V	2.5	0.2	0.75	259
401431127	2012	2	9	2	V	2.5	0.3	0.8	286
401431127	2012	2	9	3	C	-999	0.2	0	0
401431127	2012	2	9	4	V	2.0	0.2	0.8	281
401431127	2012	2	9	5	V	2.2	0.2	1.01	302
401431127	2012	2	9	6	V	2.1	0.2	0.8	18
401431127	2012	2	9	7	V	1.7	0.2	1.01	269
401431127	2012	2	9	8	V	2.6	0.2	0.65	264
401431127	2012	2	9	9	V	4.0	0.3	0.58	229
401431127	2012	2	9	10	V	5.4	0.6	1.82	196
401431127	2012	2	9	11	V	3.0	1	2.54	186
401431127	2012	2	9	12	V	5.4	0.6	3.15	183
401431127	2012	2	9	13	V	6.3	0.4	2.49	179
401431127	2012	2	9	14	V	2.9	0.4	2.33	172
401431127	2012	2	9	15	V	1.9	0.3	2.33	156
401431127	2012	2	9	16	V	3.1	0.3	2.83	166
401431127	2012	2	9	17	V	3.3	0.4	2.91	149
401431127	2012	2	9	18	V	4.3	0.4	2.73	133
401431127	2012	2	9	19	V	2.9	0.3	2.04	114
401431127	2012	2	9	20	V	9.0	0.3	1.59	202
401431127	2012	2	9	21	V	2.8	0.2	0.75	312
401431127	2012	2	9	22	V	2.8	0.2	0.96	294
401431127	2012	2	9	23	V	4.0	0.1	0.55	284
401431127	2012	2	9	24	V	3.4	0.1	0.7	275
401431127	2012	2	10	1	V	2.4	0.1	1.13	295
401431127	2012	2	10	2	V	2.4	0.1	1.11	257

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	10	3	V	2.7	0.1	0.97	223
401431127	2012	2	10	4	V	1.9	0.1	1.28	259
401431127	2012	2	10	5	V	2.1	0.1	1.93	286
401431127	2012	2	10	6	V	2.0	0.1	2.15	307
401431127	2012	2	10	7	V	1.6	0.1	2.28	290
401431127	2012	2	10	8	V	2.4	0.2	2.2	307
401431127	2012	2	10	9	V	2.0	0.2	3.06	318
401431127	2012	2	10	10	V	2.9	0.1	3.92	330
401431127	2012	2	10	11	V	2.9	0.1	3.34	335
401431127	2012	2	10	12	V	5.3	0.2	4.41	342
401431127	2012	2	10	13	V	6.1	0.1	4.46	344
401431127	2012	2	10	14	V	2.8	0.1	4.9	343
401431127	2012	2	10	15	V	1.8	0.1	5.19	333
401431127	2012	2	10	16	V	3.1	0.1	4.92	339
401431127	2012	2	10	17	V	3.3	0.1	4.66	340
401431127	2012	2	10	18	V	4.3	0.1	4.22	338
401431127	2012	2	10	19	V	2.9	0.1	3.78	334
401431127	2012	2	10	20	V	2.4	0.1	3.95	351
401431127	2012	2	10	21	V	2.6	0.1	5.22	357
401431127	2012	2	10	22	V	2.7	0.1	5.55	355
401431127	2012	2	10	23	V	3.7	0.1	6.41	5
401431127	2012	2	10	24	V	3.2	0.1	6.26	9
401431127	2012	2	11	1	V	2.3	0.1	6.48	16
401431127	2012	2	11	2	V	2.4	0.1	5.89	7
401431127	2012	2	11	3	V	1.9	0.1	5.84	3
401431127	2012	2	11	4	V	1.9	0	4.71	1
401431127	2012	2	11	5	V	2.1	0	5.65	10
401431127	2012	2	11	6	V	2.0	0.1	5.07	10
401431127	2012	2	11	7	V	1.6	0.3	4.77	356
401431127	2012	2	11	8	V	2.4	0.3	5.14	5
401431127	2012	2	11	9	V	2.0	0.2	5.53	9
401431127	2012	2	11	10	V	2.9	0.2	5.28	5
401431127	2012	2	11	11	V	2.8	0.3	4.77	12
401431127	2012	2	11	12	V	5.3	0.3	5.24	12
401431127	2012	2	11	13	V	6.1	0.3	5.16	20
401431127	2012	2	11	14	V	2.8	0.4	5.6	16
401431127	2012	2	11	15	V	1.8	0.3	6.16	23
401431127	2012	2	11	16	V	3.1	0.2	6.53	28
401431127	2012	2	11	17	V	3.3	0.2	6.07	32
401431127	2012	2	11	18	V	4.3	0.2	4.9	26
401431127	2012	2	11	19	V	2.9	0.2	3.91	27
401431127	2012	2	11	20	V	2.4	0.2	2.91	24
401431127	2012	2	11	21	V	2.6	0.1	2.28	2
401431127	2012	2	11	22	V	2.8	0.2	0.97	325
401431127	2012	2	11	23	V	3.7	0.6	2.13	20
401431127	2012	2	11	24	V	3.2	0.3	2.1	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	12	1	V	2.3	0.1	2.05	7
401431127	2012	2	12	2	V	2.4	0.2	1.69	2
401431127	2012	2	12	3	V	2.0	0.1	1.06	358
401431127	2012	2	12	4	V	1.9	0.1	1.96	21
401431127	2012	2	12	5	V	2.1	0.1	1.4	16
401431127	2012	2	12	6	V	2.1	0.1	1.99	38
401431127	2012	2	12	7	V	4.5	0.1	1.76	51
401431127	2012	2	12	8	V	3.2	0.5	1.71	54
401431127	2012	2	12	9	V	2.0	0.5	3.39	103
401431127	2012	2	12	10	V	2.9	0.9	3.95	124
401431127	2012	2	12	11	V	2.8	3	3.47	145
401431127	2012	2	12	12	V	5.3	2.3	3.71	155
401431127	2012	2	12	13	V	6.2	0.9	4.36	184
401431127	2012	2	12	14	V	2.8	0.3	3.54	175
401431127	2012	2	12	15	V	1.8	0.3	3.29	172
401431127	2012	2	12	16	V	3.1	0.2	3.78	169
401431127	2012	2	12	17	V	3.3	0.2	3.91	166
401431127	2012	2	12	18	V	4.3	0.1	2.96	166
401431127	2012	2	12	19	V	2.9	0.2	2.49	167
401431127	2012	2	12	20	V	2.4	0.2	2.16	161
401431127	2012	2	12	21	V	2.6	0.2	2.22	171
401431127	2012	2	12	22	V	2.9	0.2	2.2	193
401431127	2012	2	12	23	V	3.7	0.2	3.05	171
401431127	2012	2	12	24	V	3.2	0.2	6.62	179
401431127	2012	2	13	1	V	2.3	0.2	5.97	184
401431127	2012	2	13	2	V	2.4	0.1	5.09	178
401431127	2012	2	13	3	V	1.9	0.1	5.39	169
401431127	2012	2	13	4	V	1.9	0.1	5.43	168
401431127	2012	2	13	5	V	2.1	0.2	4.9	166
401431127	2012	2	13	6	V	2.0	0.2	5.36	166
401431127	2012	2	13	7	V	1.6	0.2	5.05	168
401431127	2012	2	13	8	V	2.4	0.2	5.61	170
401431127	2012	2	13	9	V	2.0	0.2	6.12	170
401431127	2012	2	13	10	V	2.9	0.2	6.72	174
401431127	2012	2	13	11	V	2.8	0.2	6.77	173
401431127	2012	2	13	12	V	5.3	0.3	6.31	177
401431127	2012	2	13	13	V	6.1	0.2	5.27	178
401431127	2012	2	13	14	V	2.8	0.2	5.56	186
401431127	2012	2	13	15	V	1.8	0.2	6.11	186
401431127	2012	2	13	16	V	3.1	0.2	5.12	190
401431127	2012	2	13	17	V	3.3	0.2	4.41	192
401431127	2012	2	13	18	V	4.9	0.2	4.51	192
401431127	2012	2	13	19	V	3.3	0.2	3.49	192
401431127	2012	2	13	20	V	3.2	0.2	2.62	195
401431127	2012	2	13	21	V	2.7	0.2	2.49	187
401431127	2012	2	13	22	V	3.5	0.2	2.35	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	13	23	V	18.6	0.2	2.28	210
401431127	2012	2	13	24	V	3.5	0.2	2.55	226
401431127	2012	2	14	1	V	7.1	0.2	2.59	218
401431127	2012	2	14	2	V	2.5	0.2	2.28	226
401431127	2012	2	14	3	V	1.9	0.2	1.33	266
401431127	2012	2	14	4	V	2.0	0.2	0.82	271
401431127	2012	2	14	5	V	2.3	0.1	0.67	331
401431127	2012	2	14	6	V	2.2	0.2	0.72	284
401431127	2012	2	14	7	V	1.7	0.2	1.4	190
401431127	2012	2	14	8	V	2.4	1	1.43	159
401431127	2012	2	14	9	V	2.0	1.1	1.86	154
401431127	2012	2	14	10	V	3.0	0.8	2.37	180
401431127	2012	2	14	11	V	2.9	0.5	2.27	166
401431127	2012	2	14	12	V	5.4	0.5	2.27	159
401431127	2012	2	14	13	V	6.3	0.5	2.89	184
401431127	2012	2	14	14	V	2.9	0.5	2.89	161
401431127	2012	2	14	15	V	1.9	0.5	2.9	160
401431127	2012	2	14	16	V	3.1	0.5	3.51	133
401431127	2012	2	14	17	V	3.3	0.4	3.69	140
401431127	2012	2	14	18	V	4.3	0.4	3.37	158
401431127	2012	2	14	19	V	2.9	0.4	2.42	168
401431127	2012	2	14	20	V	2.4	0.3	1.84	142
401431127	2012	2	14	21	V	2.6	0.3	2.88	156
401431127	2012	2	14	22	V	2.7	0.3	3.25	169
401431127	2012	2	14	23	V	3.7	0.3	2.79	172
401431127	2012	2	14	24	V	3.2	0.2	3.61	182
401431127	2012	2	15	1	V	2.3	0.2	4.97	184
401431127	2012	2	15	2	V	10.3	0.3	3.41	203
401431127	2012	2	15	3	V	1.9	0.3	3.07	158
401431127	2012	2	15	4	V	1.9	0.2	2.42	149
401431127	2012	2	15	5	V	2.1	0.2	2.79	167
401431127	2012	2	15	6	V	2.0	0.2	2.55	169
401431127	2012	2	15	7	V	1.6	0.2	2.3	162
401431127	2012	2	15	8	V	2.4	0.5	1.5	157
401431127	2012	2	15	9	V	2.0	0.6	2.61	147
401431127	2012	2	15	10	V	3.0	0.6	3.17	126
401431127	2012	2	15	11	V	2.9	0.4	2.79	136
401431127	2012	2	15	12	V	5.4	0.4	3.13	145
401431127	2012	2	15	13	V	6.1	0.3	4.97	169
401431127	2012	2	15	14	V	2.8	0.3	3.42	154
401431127	2012	2	15	15	V	1.8	0.4	3.85	165
401431127	2012	2	15	16	V	3.1	0.4	3.2	164
401431127	2012	2	15	17	V	3.3	0.4	2.61	158
401431127	2012	2	15	18	V	4.3	0.5	2.08	126
401431127	2012	2	15	19	V	2.9	0.6	2.18	153
401431127	2012	2	15	20	V	2.4	0.5	1.25	131

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	15	21	V	2.7	0.3	1.42	351
401431127	2012	2	15	22	V	2.7	0.5	1.21	295
401431127	2012	2	15	23	V	3.8	0.2	1.4	270
401431127	2012	2	15	24	V	3.2	0.2	3.17	337
401431127	2012	2	16	1	V	2.3	0.1	2.59	323
401431127	2012	2	16	2	V	2.4	0.3	2.84	317
401431127	2012	2	16	3	V	1.9	0.2	2.67	327
401431127	2012	2	16	4	V	1.9	0.2	2.66	337
401431127	2012	2	16	5	V	2.1	0.2	2.89	347
401431127	2012	2	16	6	V	2.0	0.1	2.32	342
401431127	2012	2	16	7	V	1.6	0.1	2.52	344
401431127	2012	2	16	8	V	2.4	0.2	3.61	354
401431127	2012	2	16	9	V	2.0	0.2	3.98	10
401431127	2012	2	16	10	V	2.9	0.2	3.81	11
401431127	2012	2	16	11	V	2.8	1	3.42	7
401431127	2012	2	16	12	V	5.3	1	3.23	11
401431127	2012	2	16	13	V	6.8	1	4.61	38
401431127	2012	2	16	14	V	2.8	0.9	4.65	28
401431127	2012	2	16	15	V	2.7	2.3	3.63	39
401431127	2012	2	16	16	V	3.8	3.2	3.34	37
401431127	2012	2	16	17	V	3.7	1.7	2.52	34
401431127	2012	2	16	18	V	4.3	2.1	2.13	21
401431127	2012	2	16	19	V	2.9	1.4	1.84	1
401431127	2012	2	16	20	V	2.4	1.2	1.62	6
401431127	2012	2	16	21	V	2.8	1.7	0.86	316
401431127	2012	2	16	22	V	2.9	1.5	0.69	313
401431127	2012	2	16	23	V	3.7	1.5	1.76	359
401431127	2012	2	16	24	V	4.1	0.6	1.42	40
401431127	2012	2	17	1	V	2.4	0.2	0.99	352
401431127	2012	2	17	2	V	2.4	0.3	1.09	326
401431127	2012	2	17	3	V	2.1	0.3	0.75	359
401431127	2012	2	17	4	V	1.9	0.3	1.59	13
401431127	2012	2	17	5	V	2.1	0.3	1.2	13
401431127	2012	2	17	6	V	2.3	0.5	0.57	7
401431127	2012	2	17	7	V	2.0	0.9	0.52	237
401431127	2012	2	17	8	V	5.5	1.4	0.91	219
401431127	2012	2	17	9	V	2.6	1.8	0.79	237
401431127	2012	2	17	10	V	3.9	1.8	0.7	174
401431127	2012	2	17	11	V	3.3	1.4	1.06	157
401431127	2012	2	17	12	V	5.7	1.1	1.33	121
401431127	2012	2	17	13	V	6.3	-999	1.4	102
401431127	2012	2	17	14	V	2.9	-999	2.04	147
401431127	2012	2	17	15	V	2.0	-999	2.06	174
401431127	2012	2	17	16	V	3.1	0.7	2.78	132
401431127	2012	2	17	17	V	3.3	0.6	2.35	114
401431127	2012	2	17	18	V	4.3	0.6	2.1	103

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	17	19	V	2.9	0.2	2.28	107
401431127	2012	2	17	20	V	3.0	0.4	0.7	56
401431127	2012	2	17	21	V	2.8	0.6	0.8	8
401431127	2012	2	17	22	V	2.9	1.1	0.75	357
401431127	2012	2	17	23	C	-999	1.3	0	0
401431127	2012	2	17	24	C	-999	1.3	0	0
401431127	2012	2	18	1	V	2.4	0.8	1.43	13
401431127	2012	2	18	2	V	2.4	0.3	1.81	17
401431127	2012	2	18	3	V	1.9	0.2	2.2	23
401431127	2012	2	18	4	V	1.9	0.1	1.91	12
401431127	2012	2	18	5	V	2.1	0.2	2.28	11
401431127	2012	2	18	6	V	2.0	0.1	2.64	8
401431127	2012	2	18	7	V	1.6	0	3.18	14
401431127	2012	2	18	8	V	2.4	0	3.8	11
401431127	2012	2	18	9	V	1.9	0.1	4.78	17
401431127	2012	2	18	10	V	2.9	0	5.8	16
401431127	2012	2	18	11	V	2.8	0	6.46	21
401431127	2012	2	18	12	V	5.3	0.1	5.82	23
401431127	2012	2	18	13	V	6.1	0.2	5.46	18
401431127	2012	2	18	14	V	2.8	0.1	4.77	6
401431127	2012	2	18	15	V	1.8	0.1	4.75	11
401431127	2012	2	18	16	V	3.1	0.1	4.8	11
401431127	2012	2	18	17	V	3.3	0	4.73	12
401431127	2012	2	18	18	V	4.3	0.1	4.02	2
401431127	2012	2	18	19	V	2.9	0.1	4.46	13
401431127	2012	2	18	20	V	2.4	0.2	4.87	12
401431127	2012	2	18	21	V	2.6	0.1	4.7	18
401431127	2012	2	18	22	V	2.7	0.1	4.15	30
401431127	2012	2	18	23	V	3.7	0.1	2.25	8
401431127	2012	2	18	24	V	3.2	0.1	2.2	343
401431127	2012	2	19	1	V	2.3	0.1	2.96	7
401431127	2012	2	19	2	V	2.4	0.1	2.64	32
401431127	2012	2	19	3	V	1.9	0.1	1.47	335
401431127	2012	2	19	4	V	2.0	0.1	1.09	324
401431127	2012	2	19	5	V	2.2	0.1	1.13	348
401431127	2012	2	19	6	V	2.2	0	0.63	300
401431127	2012	2	19	7	C	-999	0	0	0
401431127	2012	2	19	8	V	2.6	0.1	0.7	302
401431127	2012	2	19	9	V	2.1	0.3	2.76	28
401431127	2012	2	19	10	V	4.8	0.2	2.38	45
401431127	2012	2	19	11	V	3.3	1.5	1.18	158
401431127	2012	2	19	12	V	6.9	3.1	1.21	193
401431127	2012	2	19	13	V	6.3	2.2	1.81	104
401431127	2012	2	19	14	V	2.9	1.6	2.33	116
401431127	2012	2	19	15	V	1.8	1.3	2.81	163
401431127	2012	2	19	16	V	3.1	1	2.55	140

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	19	17	V	3.3	0.4	3.1	139
401431127	2012	2	19	18	V	4.3	0.4	3.39	121
401431127	2012	2	19	19	V	2.9	0.4	2.13	127
401431127	2012	2	19	20	V	2.4	0.6	1.74	152
401431127	2012	2	19	21	V	2.6	0.5	1.74	162
401431127	2012	2	19	22	V	2.8	0.8	1.16	163
401431127	2012	2	19	23	V	4.0	0.2	0.67	162
401431127	2012	2	19	24	V	3.3	0.1	1.52	150
401431127	2012	2	20	1	V	2.4	0.1	1.52	172
401431127	2012	2	20	2	V	2.5	0.1	1.33	187
401431127	2012	2	20	3	V	1.9	0.1	2.35	180
401431127	2012	2	20	4	V	1.9	0.1	1.99	169
401431127	2012	2	20	5	V	2.1	0	3.01	166
401431127	2012	2	20	6	V	2.0	0	4.02	166
401431127	2012	2	20	7	V	1.6	0.1	2.9	157
401431127	2012	2	20	8	V	2.4	0.1	3.83	156
401431127	2012	2	20	9	V	1.9	0.2	5.97	161
401431127	2012	2	20	10	V	2.9	0.5	8.62	167
401431127	2012	2	20	11	V	2.8	0.7	9.9	174
401431127	2012	2	20	12	V	5.3	0.6	9.88	178
401431127	2012	2	20	13	V	6.1	0.4	8.61	177
401431127	2012	2	20	14	V	2.8	0.4	9.27	180
401431127	2012	2	20	15	V	1.8	0.4	8.74	182
401431127	2012	2	20	16	V	3.1	0.6	8.9	180
401431127	2012	2	20	17	V	3.3	0.5	7.47	177
401431127	2012	2	20	18	V	4.7	0.3	6.69	191
401431127	2012	2	20	19	V	4.9	0.1	5.12	197
401431127	2012	2	20	20	V	2.4	0.3	6.07	248
401431127	2012	2	20	21	V	2.6	0.2	6.13	257
401431127	2012	2	20	22	V	2.7	0.1	4.78	255
401431127	2012	2	20	23	V	3.7	0.2	5	260
401431127	2012	2	20	24	V	3.2	0.2	4.8	253
401431127	2012	2	21	1	V	2.3	0.3	4.03	254
401431127	2012	2	21	2	V	2.4	0.3	3.05	252
401431127	2012	2	21	3	V	1.9	0.2	3.03	256
401431127	2012	2	21	4	V	1.9	0.3	2.16	246
401431127	2012	2	21	5	V	2.1	0.3	2.16	255
401431127	2012	2	21	6	V	2.0	0.2	2.08	254
401431127	2012	2	21	7	V	1.8	0.2	0.8	178
401431127	2012	2	21	8	V	12.1	0.5	0.87	207
401431127	2012	2	21	9	V	2.4	0.5	1.86	231
401431127	2012	2	21	10	V	3.1	0.5	1.84	248
401431127	2012	2	21	11	V	4.8	1	3.29	218
401431127	2012	2	21	12	V	6.0	8	4.39	197
401431127	2012	2	21	13	V	6.2	0.7	5.22	181
401431127	2012	2	21	14	V	3.3	0.5	4.82	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	21	15	V	2.7	1.9	5.46	203
401431127	2012	2	21	16	V	3.1	2.1	5.24	181
401431127	2012	2	21	17	V	3.3	1.5	4.36	188
401431127	2012	2	21	18	V	4.3	0.5	2.78	173
401431127	2012	2	21	19	V	3.0	0.7	1.06	125
401431127	2012	2	21	20	V	9.1	1.6	0.62	204
401431127	2012	2	21	21	V	5.7	1.7	1.94	200
401431127	2012	2	21	22	V	2.7	1.5	1.26	241
401431127	2012	2	21	23	V	3.9	4.3	0.75	248
401431127	2012	2	21	24	V	3.5	1.4	0.55	344
401431127	2012	2	22	1	V	2.6	0.8	0.55	284
401431127	2012	2	22	2	V	2.7	1	0.58	259
401431127	2012	2	22	3	V	2.1	1.1	0.67	261
401431127	2012	2	22	4	C	-999	1.2	0	0
401431127	2012	2	22	5	V	2.3	1.2	0.62	254
401431127	2012	2	22	6	V	2.3	0.9	0.52	271
401431127	2012	2	22	7	V	1.8	1.5	0.7	330
401431127	2012	2	22	8	C	-999	2.5	0	0
401431127	2012	2	22	9	V	5.3	1.7	0.63	201
401431127	2012	2	22	10	V	8.6	6	1.35	216
401431127	2012	2	22	11	V	4.1	2.5	1.88	229
401431127	2012	2	22	12	V	5.5	1.4	2.08	258
401431127	2012	2	22	13	V	6.2	0.4	2.32	265
401431127	2012	2	22	14	V	2.8	0.3	3.4	273
401431127	2012	2	22	15	V	1.8	0.3	2.91	261
401431127	2012	2	22	16	V	3.1	0.3	2.72	261
401431127	2012	2	22	17	V	3.3	0.3	2.91	268
401431127	2012	2	22	18	V	4.3	0.3	1.86	257
401431127	2012	2	22	19	V	3.4	0.4	0.72	228
401431127	2012	2	22	20	V	16.1	1.5	1.21	212
401431127	2012	2	22	21	V	4.5	2.2	2.91	199
401431127	2012	2	22	22	V	2.9	10.3	2.15	193
401431127	2012	2	22	23	V	3.9	2.4	2.47	193
401431127	2012	2	22	24	V	3.2	1.4	1.7	185
401431127	2012	2	23	1	V	2.3	0.9	1.93	164
401431127	2012	2	23	2	V	2.4	0.8	2.08	131
401431127	2012	2	23	3	V	1.9	0.5	1.84	142
401431127	2012	2	23	4	V	1.9	0.4	2.76	157
401431127	2012	2	23	5	V	2.1	0.4	1.7	174
401431127	2012	2	23	6	V	2.0	0.5	1.2	180
401431127	2012	2	23	7	V	1.7	2.8	1.28	233
401431127	2012	2	23	8	V	2.6	1.8	0.67	118
401431127	2012	2	23	9	V	2.4	2	1.33	239
401431127	2012	2	23	10	V	3.0	0.7	2.52	272
401431127	2012	2	23	11	V	2.9	0.7	3.42	285
401431127	2012	2	23	12	V	5.3	0.4	4.78	288

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	23	13	V	6.1	0.8	5.34	303
401431127	2012	2	23	14	V	2.8	0.5	5.84	307
401431127	2012	2	23	15	V	1.8	0.4	6.24	332
401431127	2012	2	23	16	V	3.1	0.3	6.18	325
401431127	2012	2	23	17	V	3.3	0.2	6.28	331
401431127	2012	2	23	18	V	4.3	0.2	6.14	334
401431127	2012	2	23	19	V	2.9	0.2	5.56	331
401431127	2012	2	23	20	V	2.4	0.1	5.17	335
401431127	2012	2	23	21	V	2.6	0.1	6.06	340
401431127	2012	2	23	22	V	2.7	0.1	6.04	340
401431127	2012	2	23	23	V	3.7	0.1	5.9	341
401431127	2012	2	23	24	V	3.2	0.1	6.09	340
401431127	2012	2	24	1	V	2.3	0.1	3.93	333
401431127	2012	2	24	2	V	2.4	0.1	3.92	330
401431127	2012	2	24	3	V	1.9	0.1	2.91	319
401431127	2012	2	24	4	V	1.9	0.1	3.59	322
401431127	2012	2	24	5	V	2.1	0.1	5	335
401431127	2012	2	24	6	V	2.0	0	4.24	328
401431127	2012	2	24	7	V	1.6	0.1	3.12	319
401431127	2012	2	24	8	V	2.4	0.1	2.66	325
401431127	2012	2	24	9	V	2.0	0.1	3.54	325
401431127	2012	2	24	10	V	2.9	0.1	3.85	314
401431127	2012	2	24	11	V	2.8	0.1	4.15	308
401431127	2012	2	24	12	V	5.3	0.1	4.75	319
401431127	2012	2	24	13	V	6.1	0.1	4.7	323
401431127	2012	2	24	14	V	2.8	0.1	5.02	322
401431127	2012	2	24	15	V	1.8	0.1	4.09	318
401431127	2012	2	24	16	V	3.1	0.2	3.64	310
401431127	2012	2	24	17	V	3.3	0.1	3.25	305
401431127	2012	2	24	18	V	4.3	0.1	3.37	284
401431127	2012	2	24	19	V	2.9	0.1	1.65	281
401431127	2012	2	24	20	V	2.5	0.2	1.13	242
401431127	2012	2	24	21	V	3.3	0.4	0.52	229
401431127	2012	2	24	22	V	3.4	0.6	0.62	228
401431127	2012	2	24	23	V	3.8	0.5	0.96	232
401431127	2012	2	24	24	V	3.4	0.1	0.86	262
401431127	2012	2	25	1	V	2.3	0	1.64	253
401431127	2012	2	25	2	V	2.4	0.1	1.6	261
401431127	2012	2	25	3	V	2.0	0.2	0.96	176
401431127	2012	2	25	4	V	2.5	0.1	0.79	192
401431127	2012	2	25	5	V	2.4	0.2	0.6	268
401431127	2012	2	25	6	V	2.1	0.2	0.82	264
401431127	2012	2	25	7	V	1.7	0.7	0.99	268
401431127	2012	2	25	8	V	3.0	0.8	0.63	229
401431127	2012	2	25	9	V	2.9	0.4	0.67	106
401431127	2012	2	25	10	V	3.2	0.3	1.55	128

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	25	11	V	2.9	2.1	2.71	137
401431127	2012	2	25	12	V	5.3	2.1	3.32	136
401431127	2012	2	25	13	V	6.1	1.2	4.14	160
401431127	2012	2	25	14	V	2.8	0.9	5.43	173
401431127	2012	2	25	15	V	2.0	0.6	6.02	196
401431127	2012	2	25	16	V	3.2	0.3	7.32	192
401431127	2012	2	25	17	V	3.3	0.2	7.74	191
401431127	2012	2	25	18	V	4.4	0.4	6.72	186
401431127	2012	2	25	19	V	2.9	0.4	6.24	176
401431127	2012	2	25	20	V	2.4	0.2	5.99	173
401431127	2012	2	25	21	V	2.6	0.3	5.58	169
401431127	2012	2	25	22	V	2.7	0.2	5.41	172
401431127	2012	2	25	23	V	3.7	0.3	5.61	176
401431127	2012	2	25	24	V	3.2	0.4	7.4	182
401431127	2012	2	26	1	V	2.5	0.4	5.26	189
401431127	2012	2	26	2	V	2.4	0.5	5.94	182
401431127	2012	2	26	3	V	1.9	1.1	6.4	184
401431127	2012	2	26	4	V	1.9	0.7	6.58	184
401431127	2012	2	26	5	V	2.1	0.5	6.48	183
401431127	2012	2	26	6	V	2.0	0.4	5.02	185
401431127	2012	2	26	7	V	1.7	0.4	5.84	186
401431127	2012	2	26	8	V	2.6	0.5	4.83	190
401431127	2012	2	26	9	V	1.9	0.4	6.4	186
401431127	2012	2	26	10	V	3.0	0.5	6.7	194
401431127	2012	2	26	11	V	2.9	0.8	7.08	193
401431127	2012	2	26	12	V	5.3	0.5	6.99	189
401431127	2012	2	26	13	V	6.1	0.5	6.99	185
401431127	2012	2	26	14	V	2.8	0.4	7.15	188
401431127	2012	2	26	15	V	1.8	0.7	7.4	184
401431127	2012	2	26	16	V	3.1	0.7	6.35	185
401431127	2012	2	26	17	V	3.4	1	5.97	192
401431127	2012	2	26	18	V	10.3	0.6	5.14	202
401431127	2012	2	26	19	V	15.6	2.8	2.54	205
401431127	2012	2	26	20	V	15.4	14.8	1.2	207
401431127	2012	2	26	21	V	7.8	5.6	1.11	217
401431127	2012	2	26	22	V	4.0	1.3	1.09	221
401431127	2012	2	26	23	V	3.8	1.2	1.38	276
401431127	2012	2	26	24	C	-999	0.7	0	0
401431127	2012	2	27	1	V	2.6	0.6	0.67	287
401431127	2012	2	27	2	V	2.4	0.4	3.12	5
401431127	2012	2	27	3	V	1.9	0.2	4.02	8
401431127	2012	2	27	4	V	1.9	0.1	3.9	9
401431127	2012	2	27	5	V	2.1	0.1	3.86	14
401431127	2012	2	27	6	V	2.0	0.1	3.9	20
401431127	2012	2	27	7	V	1.6	0.2	3.95	21
401431127	2012	2	27	8	V	2.4	0.2	3.51	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	27	9	V	1.9	0.6	5.05	23
401431127	2012	2	27	10	V	3.0	1.9	6.35	36
401431127	2012	2	27	11	V	3.6	0.5	7.04	42
401431127	2012	2	27	12	V	6.5	0.5	6.04	48
401431127	2012	2	27	13	V	6.9	0.4	6.07	43
401431127	2012	2	27	14	V	2.9	0.4	5.12	63
401431127	2012	2	27	15	V	2.0	0.3	4.49	59
401431127	2012	2	27	16	V	3.2	0.4	3.44	66
401431127	2012	2	27	17	V	3.6	0.7	3.76	57
401431127	2012	2	27	18	V	6.3	0.7	4.31	46
401431127	2012	2	27	19	V	4.5	0.9	3.61	44
401431127	2012	2	27	20	V	3.3	0.4	2.89	52
401431127	2012	2	27	21	V	2.6	0.2	3.71	36
401431127	2012	2	27	22	V	2.7	0.2	2.49	21
401431127	2012	2	27	23	V	3.7	0.1	1.94	10
401431127	2012	2	27	24	V	4.1	0.2	2.49	42
401431127	2012	2	28	1	V	2.3	0.2	1.84	79
401431127	2012	2	28	2	V	2.6	0.1	0.8	142
401431127	2012	2	28	3	V	2.2	0.1	0.55	242
401431127	2012	2	28	4	C	-999	0.2	0	0
401431127	2012	2	28	5	V	13.6	0.2	1.01	208
401431127	2012	2	28	6	V	2.0	0.2	1.43	150
401431127	2012	2	28	7	V	1.6	0.4	2.88	132
401431127	2012	2	28	8	V	2.4	0.6	4.24	130
401431127	2012	2	28	9	V	2.0	0.7	3.03	142
401431127	2012	2	28	10	V	2.9	0.6	4.6	139
401431127	2012	2	28	11	V	2.8	0.6	5.17	152
401431127	2012	2	28	12	V	5.3	0.5	5.56	163
401431127	2012	2	28	13	V	6.1	0.4	6.48	157
401431127	2012	2	28	14	V	2.8	0.4	7.35	168
401431127	2012	2	28	15	V	1.8	0.3	6.53	167
401431127	2012	2	28	16	V	3.1	0.2	6.69	168
401431127	2012	2	28	17	V	3.3	0.3	6.79	167
401431127	2012	2	28	18	V	4.3	0.3	4.99	170
401431127	2012	2	28	19	V	2.9	0.3	5.36	171
401431127	2012	2	28	20	V	2.4	0.3	7.06	179
401431127	2012	2	28	21	V	2.6	0.3	8.1	182
401431127	2012	2	28	22	V	2.7	0.2	8.67	186
401431127	2012	2	28	23	V	4.7	0.3	9.85	196
401431127	2012	2	28	24	V	3.2	0.2	6.38	245
401431127	2012	2	29	1	V	2.3	0.1	3.63	250
401431127	2012	2	29	2	V	2.4	0.1	3.68	243
401431127	2012	2	29	3	V	1.9	0.1	3.08	241
401431127	2012	2	29	4	V	1.9	0.1	2.86	239
401431127	2012	2	29	5	V	2.1	0.2	2.47	239
401431127	2012	2	29	6	V	2.0	0.2	1.99	246

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	2	29	7	V	1.7	0.1	0.92	246
401431127	2012	2	29	8	V	8.0	0.2	0.63	215
401431127	2012	2	29	9	V	2.0	0.4	2.62	287
401431127	2012	2	29	10	V	3.0	0.3	2.67	319
401431127	2012	2	29	11	V	2.8	0.1	3.73	328
401431127	2012	2	29	12	V	5.3	0.2	4.03	319
401431127	2012	2	29	13	V	6.2	0.1	3.42	294
401431127	2012	2	29	14	V	2.8	0.1	3.66	288
401431127	2012	2	29	15	V	1.8	0.2	2.93	292
401431127	2012	2	29	16	V	3.1	0.3	2.76	299
401431127	2012	2	29	17	V	3.3	0.6	2.93	299
401431127	2012	2	29	18	V	4.3	1.9	2.28	318
401431127	2012	2	29	19	V	3.0	1.3	0.92	312
401431127	2012	2	29	20	V	2.6	1.1	0.65	314
401431127	2012	2	29	21	V	3.7	1.6	0.6	226
401431127	2012	2	29	22	V	2.9	1.4	0.7	262
401431127	2012	2	29	23	V	3.9	1.6	1.76	193
401431127	2012	2	29	24	C	-999	1.6	0	0
401431127	2012	3	1	1	V	1.5	1.7	0.74	233
401431127	2012	3	1	2	V	8.0	1.4	0.72	207
401431127	2012	3	1	3	V	0.7	1.9	0.57	266
401431127	2012	3	1	4	V	0.7	1.3	0.84	234
401431127	2012	3	1	5	V	10.7	1.3	1.2	205
401431127	2012	3	1	6	V	16.0	0.9	1.59	211
401431127	2012	3	1	7	V	1.1	0.7	3.51	181
401431127	2012	3	1	8	V	3.9	0.7	3.66	181
401431127	2012	3	1	9	V	1.2	0.6	4.31	164
401431127	2012	3	1	10	V	2.4	0.5	6.06	183
401431127	2012	3	1	11	V	2.1	0.4	7.74	198
401431127	2012	3	1	12	V	2.2	0.6	8.64	189
401431127	2012	3	1	13	V	2.4	2.3	8.08	196
401431127	2012	3	1	14	V	2.3	1.7	8.06	192
401431127	2012	3	1	15	V	1.8	1.9	7.48	196
401431127	2012	3	1	16	V	2.1	0.6	6.38	223
401431127	2012	3	1	17	V	3.6	0.3	5.05	227
401431127	2012	3	1	18	V	6.4	0.4	6.02	218
401431127	2012	3	1	19	V	4.6	2.1	2.42	199
401431127	2012	3	1	20	V	3.1	12.5	0.6	80
401431127	2012	3	1	21	V	2.8	0.9	0.99	177
401431127	2012	3	1	22	V	1.5	0.6	3.81	188
401431127	2012	3	1	23	V	1.1	0.6	4.97	183
401431127	2012	3	1	24	V	1.5	0.4	4.9	176
401431127	2012	3	2	1	V	1.4	0.4	5.85	187
401431127	2012	3	2	2	V	5.6	0.3	5.77	202
401431127	2012	3	2	3	V	0.4	0.4	1.76	233
401431127	2012	3	2	4	V	0.6	0.4	1.25	267

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	2	5	V	1.4	0.4	3.29	283
401431127	2012	3	2	6	V	0.5	0.3	3.29	322
401431127	2012	3	2	7	V	1.1	0.3	2.69	302
401431127	2012	3	2	8	V	3.9	0.3	4.26	302
401431127	2012	3	2	9	V	1.2	0.4	5.1	317
401431127	2012	3	2	10	V	2.4	0.3	5.07	319
401431127	2012	3	2	11	V	1.9	0.3	5.04	325
401431127	2012	3	2	12	V	2.2	-999	5.05	326
401431127	2012	3	2	13	V	2.3	-999	5.97	337
401431127	2012	3	2	14	V	2.3	0.2	5.09	336
401431127	2012	3	2	15	V	1.7	0.2	4.97	353
401431127	2012	3	2	16	V	2.0	0.2	5.28	12
401431127	2012	3	2	17	V	3.6	0.2	5.63	21
401431127	2012	3	2	18	V	3.7	0.2	5.14	32
401431127	2012	3	2	19	V	2.4	0.2	4.54	42
401431127	2012	3	2	20	V	2.9	0.4	3	36
401431127	2012	3	2	21	V	2.8	0.3	1.21	26
401431127	2012	3	2	22	V	1.5	0.4	0.82	305
401431127	2012	3	2	23	V	1.2	0.8	0.82	270
401431127	2012	3	2	24	V	3.4	0.9	0.67	222
401431127	2012	3	3	1	V	1.5	1.3	0.77	257
401431127	2012	3	3	2	V	1.0	0.7	1.03	272
401431127	2012	3	3	3	V	0.5	0.2	1.08	305
401431127	2012	3	3	4	V	0.6	0.1	1.37	249
401431127	2012	3	3	5	V	1.6	0.1	0.65	310
401431127	2012	3	3	6	V	0.6	0.1	1.08	269
401431127	2012	3	3	7	V	1.1	0.1	1.11	315
401431127	2012	3	3	8	V	4.0	0.1	1.4	310
401431127	2012	3	3	9	V	1.3	0.2	3.3	5
401431127	2012	3	3	10	V	2.4	0.3	3.35	15
401431127	2012	3	3	11	V	1.9	0.3	3.08	351
401431127	2012	3	3	12	V	2.2	0.2	2.98	330
401431127	2012	3	3	13	V	2.3	0.4	4.19	306
401431127	2012	3	3	14	V	2.3	0.4	5.1	297
401431127	2012	3	3	15	V	1.7	0.5	5.09	304
401431127	2012	3	3	16	V	2.0	0.5	4.88	295
401431127	2012	3	3	17	V	3.6	0.3	4.41	294
401431127	2012	3	3	18	V	3.7	0.3	3.9	291
401431127	2012	3	3	19	V	1.5	0.5	2.86	310
401431127	2012	3	3	20	V	2.9	0.3	1.94	302
401431127	2012	3	3	21	V	2.8	0.3	0.7	293
401431127	2012	3	3	22	V	1.5	0.3	1.21	320
401431127	2012	3	3	23	V	1.2	0.7	0.89	260
401431127	2012	3	3	24	C	-999	1.1	0	0
401431127	2012	3	4	1	C	-999	0.7	0	0
401431127	2012	3	4	2	V	2.2	0.8	0.92	196

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	4	3	V	0.6	0.2	0.74	181
401431127	2012	3	4	4	V	2.4	0.2	1.14	220
401431127	2012	3	4	5	V	11.0	0.2	1.08	207
401431127	2012	3	4	6	V	0.5	0.2	1.37	237
401431127	2012	3	4	7	V	1.9	0.2	0.74	193
401431127	2012	3	4	8	V	10.3	0.2	1.77	216
401431127	2012	3	4	9	V	1.3	0.2	1.98	242
401431127	2012	3	4	10	V	2.4	0.2	4.1	241
401431127	2012	3	4	11	V	1.9	0.1	5.39	253
401431127	2012	3	4	12	V	2.2	0.3	4.99	264
401431127	2012	3	4	13	V	2.3	0.4	5	279
401431127	2012	3	4	14	V	2.3	0.6	5.16	295
401431127	2012	3	4	15	V	1.7	0.2	5.67	301
401431127	2012	3	4	16	V	2.0	0.3	5.34	296
401431127	2012	3	4	17	V	3.6	0.3	4.92	297
401431127	2012	3	4	18	V	3.7	0.2	3.47	297
401431127	2012	3	4	19	V	1.5	0.2	2.35	286
401431127	2012	3	4	20	V	2.9	0.3	1.77	259
401431127	2012	3	4	21	V	2.8	0.2	1.21	263
401431127	2012	3	4	22	V	1.7	0.5	0.52	341
401431127	2012	3	4	23	V	1.1	0.2	2.2	345
401431127	2012	3	4	24	V	1.5	0.2	3.27	11
401431127	2012	3	5	1	V	1.3	0.2	3.93	11
401431127	2012	3	5	2	V	0.9	0.3	4.8	23
401431127	2012	3	5	3	V	0.4	0.1	4.27	35
401431127	2012	3	5	4	V	0.5	0.1	1.91	29
401431127	2012	3	5	5	V	1.5	0.1	1.38	33
401431127	2012	3	5	6	V	0.5	0.1	1.57	29
401431127	2012	3	5	7	V	3.7	0.4	1.28	51
401431127	2012	3	5	8	V	8.0	1.1	2.33	47
401431127	2012	3	5	9	V	1.3	0.4	3.05	96
401431127	2012	3	5	10	V	2.4	0.7	4	128
401431127	2012	3	5	11	V	1.9	1.1	3.95	149
401431127	2012	3	5	12	V	2.2	0.6	4.26	135
401431127	2012	3	5	13	V	2.3	2.2	4.41	158
401431127	2012	3	5	14	V	2.3	0.5	5.58	168
401431127	2012	3	5	15	V	1.7	1.1	5.48	170
401431127	2012	3	5	16	V	2.0	1.4	6.64	185
401431127	2012	3	5	17	V	3.6	0.5	6.8	188
401431127	2012	3	5	18	V	3.7	0.4	6.45	195
401431127	2012	3	5	19	V	1.5	0.5	4.7	186
401431127	2012	3	5	20	V	2.9	0.4	4.02	178
401431127	2012	3	5	21	V	2.7	0.9	4.17	183
401431127	2012	3	5	22	V	1.4	1.2	4.66	180
401431127	2012	3	5	23	V	1.1	0.7	5.33	185
401431127	2012	3	5	24	V	1.5	0.5	4.88	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	6	1	V	1.3	0.5	5.05	178
401431127	2012	3	6	2	V	0.9	0.5	3.27	142
401431127	2012	3	6	3	V	0.4	0.5	6.23	182
401431127	2012	3	6	4	V	0.6	0.5	6.64	187
401431127	2012	3	6	5	V	1.4	0.5	5.67	185
401431127	2012	3	6	6	V	0.5	0.5	6.11	179
401431127	2012	3	6	7	V	1.1	0.4	6.89	183
401431127	2012	3	6	8	V	3.9	0.4	6.91	178
401431127	2012	3	6	9	V	1.2	0.4	7.45	176
401431127	2012	3	6	10	V	2.4	0.4	9.12	182
401431127	2012	3	6	11	V	1.9	0.4	9.7	185
401431127	2012	3	6	12	V	2.2	0.4	10.82	189
401431127	2012	3	6	13	V	2.3	0.3	12.09	184
401431127	2012	3	6	14	V	2.3	0.3	11.89	193
401431127	2012	3	6	15	V	1.7	0.3	11.74	191
401431127	2012	3	6	16	V	2.1	0.2	11.33	197
401431127	2012	3	6	17	V	3.6	0.3	10.19	184
401431127	2012	3	6	18	V	3.7	0.2	9.76	180
401431127	2012	3	6	19	V	1.5	0.3	9.39	179
401431127	2012	3	6	20	V	2.9	0.5	7.98	173
401431127	2012	3	6	21	V	2.7	0.9	8.16	178
401431127	2012	3	6	22	V	1.4	0.8	6.91	174
401431127	2012	3	6	23	V	1.1	0.6	6.09	173
401431127	2012	3	6	24	V	1.5	0.4	7.03	179
401431127	2012	3	7	1	V	1.3	0.4	8.13	181
401431127	2012	3	7	2	V	0.9	0.4	8.67	182
401431127	2012	3	7	3	V	0.4	0.4	8.95	183
401431127	2012	3	7	4	V	0.5	0.3	7.81	180
401431127	2012	3	7	5	V	1.4	0.3	7.6	171
401431127	2012	3	7	6	V	0.5	0.3	7.2	169
401431127	2012	3	7	7	V	1.1	0.2	7.37	171
401431127	2012	3	7	8	V	3.9	0.2	7.35	173
401431127	2012	3	7	9	M	-999	0.3	8.3	171
401431127	2012	3	7	10	M	-999	0.3	8.2	175
401431127	2012	3	7	11	M	-999	0.3	8.57	177
401431127	2012	3	7	12	M	-999	0.4	8.25	183
401431127	2012	3	7	13	M	-999	0.3	7.77	183
401431127	2012	3	7	14	M	-999	0.3	7.89	182
401431127	2012	3	7	15	M	-999	0.3	8.39	185
401431127	2012	3	7	16	M	-999	0.3	7.96	184
401431127	2012	3	7	17	M	-999	0.3	8.54	181
401431127	2012	3	7	18	M	-999	0.3	7.65	185
401431127	2012	3	7	19	V	1.5	0.3	6.74	184
401431127	2012	3	7	20	V	3.0	0.2	6.99	186
401431127	2012	3	7	21	V	2.7	0.3	5.29	180
401431127	2012	3	7	22	V	1.4	0.3	4.48	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	7	23	V	1.1	0.3	4.25	165
401431127	2012	3	7	24	V	1.5	0.1	3.18	161
401431127	2012	3	8	1	V	1.3	0.2	2.81	152
401431127	2012	3	8	2	V	1.0	0.4	0.89	98
401431127	2012	3	8	3	V	0.6	0.3	0.7	360
401431127	2012	3	8	4	V	0.5	0.2	2.57	356
401431127	2012	3	8	5	V	1.4	0.2	6.75	2
401431127	2012	3	8	6	V	0.5	0.2	7.65	6
401431127	2012	3	8	7	V	1.1	0.1	7.57	3
401431127	2012	3	8	8	V	3.9	0.1	8.28	10
401431127	2012	3	8	9	V	1.2	0.1	7.77	12
401431127	2012	3	8	10	V	2.4	0.1	7.76	15
401431127	2012	3	8	11	V	1.9	0.1	8.45	16
401431127	2012	3	8	12	V	2.2	0.1	6.55	17
401431127	2012	3	8	13	V	2.3	0.1	6.35	15
401431127	2012	3	8	14	V	2.3	0.1	6.23	22
401431127	2012	3	8	15	V	1.7	0.1	6.26	22
401431127	2012	3	8	16	V	2.0	0.2	6.07	22
401431127	2012	3	8	17	V	3.6	0.2	5.55	24
401431127	2012	3	8	18	V	3.7	0.2	4.49	9
401431127	2012	3	8	19	V	1.5	0.2	4.94	9
401431127	2012	3	8	20	V	2.9	0.2	3.57	10
401431127	2012	3	8	21	V	2.7	0.1	2.66	5
401431127	2012	3	8	22	V	1.4	0.1	3	11
401431127	2012	3	8	23	V	1.1	0.1	2.67	3
401431127	2012	3	8	24	V	1.5	0.1	2.62	353
401431127	2012	3	9	1	V	1.3	0.1	2.84	7
401431127	2012	3	9	2	V	0.9	0.1	3.9	14
401431127	2012	3	9	3	V	0.4	0.1	4.15	14
401431127	2012	3	9	4	V	0.5	0.1	3.76	22
401431127	2012	3	9	5	V	1.4	0.1	1.52	5
401431127	2012	3	9	6	V	0.5	0.2	1.76	7
401431127	2012	3	9	7	V	1.1	0.1	1.13	344
401431127	2012	3	9	8	V	4.0	0.4	1.82	354
401431127	2012	3	9	9	V	1.3	0.3	3.08	19
401431127	2012	3	9	10	V	2.4	0.3	3.27	21
401431127	2012	3	9	11	V	3.4	1.2	4.68	42
401431127	2012	3	9	12	V	4.3	7.5	5.04	45
401431127	2012	3	9	13	V	4.2	3.1	4.53	51
401431127	2012	3	9	14	V	2.5	0.7	5.84	58
401431127	2012	3	9	15	V	2.1	0.9	5.29	56
401431127	2012	3	9	16	V	3.3	0.7	5.1	44
401431127	2012	3	9	17	V	5.2	0.5	4.71	48
401431127	2012	3	9	18	V	3.7	0.4	4.07	57
401431127	2012	3	9	19	V	5.7	0.4	2.61	48
401431127	2012	3	9	20	V	3.0	0.7	1.25	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	9	21	V	2.8	1.3	1.21	10
401431127	2012	3	9	22	V	1.5	1.4	0.82	259
401431127	2012	3	9	23	V	1.3	1.4	0.57	273
401431127	2012	3	9	24	V	1.6	1.2	0.75	343
401431127	2012	3	10	1	V	1.5	1.5	0.74	301
401431127	2012	3	10	2	V	1.1	1.2	0.74	260
401431127	2012	3	10	3	C	-999	1.6	0	0
401431127	2012	3	10	4	C	-999	2.1	0	0
401431127	2012	3	10	5	C	-999	1.9	0	0
401431127	2012	3	10	6	C	-999	1.8	0	0
401431127	2012	3	10	7	C	-999	1.5	0	0
401431127	2012	3	10	8	C	-999	1.4	0	0
401431127	2012	3	10	9	V	1.7	1.2	0.96	163
401431127	2012	3	10	10	V	2.4	0.5	3.35	145
401431127	2012	3	10	11	V	1.9	0.7	4.44	140
401431127	2012	3	10	12	V	2.2	0.8	4.61	134
401431127	2012	3	10	13	V	2.3	0.6	4.39	132
401431127	2012	3	10	14	V	2.3	0.9	4.1	127
401431127	2012	3	10	15	V	1.7	0.7	4.07	129
401431127	2012	3	10	16	V	2.0	0.5	4.46	134
401431127	2012	3	10	17	V	3.6	0.5	4.73	127
401431127	2012	3	10	18	V	3.7	0.5	3.42	146
401431127	2012	3	10	19	V	1.5	0.5	2.83	134
401431127	2012	3	10	20	V	2.9	0.5	2.3	132
401431127	2012	3	10	21	V	2.7	0.8	2.84	136
401431127	2012	3	10	22	V	1.4	1	4.34	156
401431127	2012	3	10	23	V	1.1	0.5	4.97	165
401431127	2012	3	10	24	V	1.5	0.2	4.32	149
401431127	2012	3	11	1	V	1.3	0.1	3.95	148
401431127	2012	3	11	2	V	0.9	0.1	4.22	167
401431127	2012	3	11	3	V	0.4	0.1	3.47	142
401431127	2012	3	11	4	V	0.5	0.1	2.79	183
401431127	2012	3	11	5	V	13.5	0.1	1.11	212
401431127	2012	3	11	6	V	0.5	0.1	2.73	123
401431127	2012	3	11	7	V	1.1	0.1	3.64	121
401431127	2012	3	11	8	V	3.9	0.1	3.95	122
401431127	2012	3	11	9	V	1.3	0.1	4.17	137
401431127	2012	3	11	10	V	2.4	0.2	2.98	145
401431127	2012	3	11	11	V	1.9	0.1	2.83	150
401431127	2012	3	11	12	V	2.2	0.2	3.32	144
401431127	2012	3	11	13	V	2.3	0.1	3.81	177
401431127	2012	3	11	14	V	2.3	0.2	3.83	172
401431127	2012	3	11	15	V	1.9	0.2	4.02	195
401431127	2012	3	11	16	V	4.5	0.2	3.52	211
401431127	2012	3	11	17	V	3.6	0.4	3.57	184
401431127	2012	3	11	18	V	3.7	0.3	4.46	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	11	19	V	1.5	0.3	2.98	176
401431127	2012	3	11	20	V	2.9	0.2	2.3	163
401431127	2012	3	11	21	V	2.7	0.2	3.03	170
401431127	2012	3	11	22	V	1.4	0.2	3.97	168
401431127	2012	3	11	23	V	1.1	0.2	4.43	172
401431127	2012	3	11	24	V	1.5	0.2	3.63	167
401431127	2012	3	12	1	V	1.3	0.2	3.27	164
401431127	2012	3	12	2	V	0.9	0.2	2.38	152
401431127	2012	3	12	3	V	0.4	0.2	2.98	161
401431127	2012	3	12	4	V	0.5	0.2	3.63	169
401431127	2012	3	12	5	V	1.4	0.2	3.8	174
401431127	2012	3	12	6	V	0.5	0.2	3.86	171
401431127	2012	3	12	7	V	1.1	0.2	3.88	169
401431127	2012	3	12	8	V	4.0	0.2	5.07	182
401431127	2012	3	12	9	V	1.3	0.3	5.87	189
401431127	2012	3	12	10	V	2.5	0.6	6.28	194
401431127	2012	3	12	11	V	2.0	3.1	5.77	193
401431127	2012	3	12	12	V	2.2	3.5	5.26	186
401431127	2012	3	12	13	V	2.3	3.8	5.43	184
401431127	2012	3	12	14	V	2.3	2.4	4.82	179
401431127	2012	3	12	15	V	1.7	2.5	4.85	185
401431127	2012	3	12	16	V	2.0	2.9	4.83	190
401431127	2012	3	12	17	V	3.7	1.4	4.34	190
401431127	2012	3	12	18	V	3.7	1.3	3.9	186
401431127	2012	3	12	19	V	2.1	1	2.04	195
401431127	2012	3	12	20	V	6.0	1.1	1.06	199
401431127	2012	3	12	21	V	6.7	0.6	2.01	201
401431127	2012	3	12	22	V	2.4	0.7	2.42	198
401431127	2012	3	12	23	V	15.8	0.7	1.3	210
401431127	2012	3	12	24	V	7.7	1.1	0.79	204
401431127	2012	3	13	1	C	-999	0.4	0	0
401431127	2012	3	13	2	C	-999	0.3	0	0
401431127	2012	3	13	3	C	-999	0.3	0	0
401431127	2012	3	13	4	V	2.1	0.2	0.77	196
401431127	2012	3	13	5	V	8.5	0.2	0.67	209
401431127	2012	3	13	6	V	0.7	0.4	0.82	156
401431127	2012	3	13	7	V	1.1	1.1	1.13	163
401431127	2012	3	13	8	V	4.0	1.7	2.45	167
401431127	2012	3	13	9	V	1.3	0.2	3.1	172
401431127	2012	3	13	10	V	2.4	0.3	5.5	185
401431127	2012	3	13	11	V	1.9	0.3	5.43	184
401431127	2012	3	13	12	V	2.2	0.4	5.99	185
401431127	2012	3	13	13	V	2.3	0.5	6.72	191
401431127	2012	3	13	14	V	2.3	0.5	6.52	189
401431127	2012	3	13	15	V	1.7	0.5	6.67	187
401431127	2012	3	13	16	V	2.0	0.5	7.23	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	13	17	V	3.6	0.4	6.45	189
401431127	2012	3	13	18	V	3.7	0.4	6.47	174
401431127	2012	3	13	19	V	1.5	0.3	5.8	171
401431127	2012	3	13	20	V	2.9	0.2	5.41	173
401431127	2012	3	13	21	V	2.7	0.2	3.85	174
401431127	2012	3	13	22	V	1.4	0.2	3.35	164
401431127	2012	3	13	23	V	1.1	0.3	3.2	162
401431127	2012	3	13	24	V	1.5	0.3	3.07	164
401431127	2012	3	14	1	V	1.3	0.3	2.67	164
401431127	2012	3	14	2	V	0.9	0.2	2.66	163
401431127	2012	3	14	3	V	0.5	0.2	1.74	158
401431127	2012	3	14	4	V	1.0	0.2	0.58	188
401431127	2012	3	14	5	V	1.5	0.2	1.16	163
401431127	2012	3	14	6	V	0.7	0.3	4.19	189
401431127	2012	3	14	7	V	1.3	0.3	4.17	189
401431127	2012	3	14	8	V	4.6	0.4	5.24	192
401431127	2012	3	14	9	V	1.3	0.4	5.51	188
401431127	2012	3	14	10	V	2.4	0.4	6.55	193
401431127	2012	3	14	11	V	2.0	0.5	6.86	197
401431127	2012	3	14	12	V	2.3	0.6	7.49	196
401431127	2012	3	14	13	V	2.3	0.6	7.21	193
401431127	2012	3	14	14	V	2.3	0.4	7.26	193
401431127	2012	3	14	15	V	1.7	0.4	7.11	190
401431127	2012	3	14	16	V	2.0	0.4	6.38	187
401431127	2012	3	14	17	V	3.6	0.3	5.84	193
401431127	2012	3	14	18	V	3.7	0.3	5.1	188
401431127	2012	3	14	19	V	1.6	0.3	4.46	188
401431127	2012	3	14	20	V	3.0	0.3	3.01	188
401431127	2012	3	14	21	V	2.8	0.4	3.27	188
401431127	2012	3	14	22	V	1.4	0.2	2.45	180
401431127	2012	3	14	23	V	1.1	0.3	2.37	170
401431127	2012	3	14	24	V	1.5	0.3	2.74	172
401431127	2012	3	15	1	V	1.3	0.3	2.18	166
401431127	2012	3	15	2	V	0.9	0.3	2.13	169
401431127	2012	3	15	3	V	0.5	0.2	1.54	176
401431127	2012	3	15	4	V	0.5	0.3	2.08	164
401431127	2012	3	15	5	V	1.4	0.3	2.73	166
401431127	2012	3	15	6	V	0.5	0.3	2.47	185
401431127	2012	3	15	7	V	2.0	0.4	4.02	194
401431127	2012	3	15	8	V	4.0	0.3	4.31	190
401431127	2012	3	15	9	V	1.3	0.4	5.34	187
401431127	2012	3	15	10	V	2.5	-999	7.28	195
401431127	2012	3	15	11	V	1.9	-999	7.18	192
401431127	2012	3	15	12	V	2.2	-999	7.04	183
401431127	2012	3	15	13	V	2.3	-999	6.07	183
401431127	2012	3	15	14	V	2.3	0.4	6.31	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	15	15	V	1.7	0.3	6.24	176
401431127	2012	3	15	16	V	2.0	0.2	6.96	176
401431127	2012	3	15	17	V	3.6	0.2	6.5	171
401431127	2012	3	15	18	V	3.7	0.2	6.6	186
401431127	2012	3	15	19	V	1.5	0.2	5.36	185
401431127	2012	3	15	20	V	2.9	0.2	3.97	186
401431127	2012	3	15	21	V	2.7	0.3	3.03	188
401431127	2012	3	15	22	V	1.5	0.2	1.43	185
401431127	2012	3	15	23	V	1.1	0.2	1.21	176
401431127	2012	3	15	24	V	2.5	0.2	1.08	196
401431127	2012	3	16	1	V	1.4	0.1	1.2	182
401431127	2012	3	16	2	V	9.6	0.1	0.84	209
401431127	2012	3	16	3	V	3.0	0.2	0.67	198
401431127	2012	3	16	4	V	0.7	0.1	0.86	184
401431127	2012	3	16	5	V	1.4	0.1	2.06	177
401431127	2012	3	16	6	V	0.5	-999	2.84	175
401431127	2012	3	16	7	V	1.2	-999	2.37	192
401431127	2012	3	16	8	V	4.2	-999	3.46	194
401431127	2012	3	16	9	V	1.5	-999	5.16	197
401431127	2012	3	16	10	V	2.5	-999	5.95	195
401431127	2012	3	16	11	V	2.0	-999	6.24	195
401431127	2012	3	16	12	V	2.2	-999	5.94	192
401431127	2012	3	16	13	V	2.4	0.2	6.12	195
401431127	2012	3	16	14	V	2.5	0.2	6.92	198
401431127	2012	3	16	15	V	1.7	0.2	6.09	191
401431127	2012	3	16	16	V	2.0	0.2	5.38	179
401431127	2012	3	16	17	V	3.6	0.2	5.53	172
401431127	2012	3	16	18	V	3.7	-999	5.14	174
401431127	2012	3	16	19	V	1.5	-999	4.24	171
401431127	2012	3	16	20	V	2.9	-999	3.75	166
401431127	2012	3	16	21	V	2.7	-999	3.81	167
401431127	2012	3	16	22	V	1.4	0	4.48	168
401431127	2012	3	16	23	V	1.1	0	4.87	177
401431127	2012	3	16	24	V	1.5	0	4.54	168
401431127	2012	3	17	1	V	1.3	0	3.81	175
401431127	2012	3	17	2	V	0.9	0	4.17	170
401431127	2012	3	17	3	V	0.4	0	4.48	159
401431127	2012	3	17	4	V	0.5	0	4.32	171
401431127	2012	3	17	5	V	6.6	0	4.49	215
401431127	2012	3	17	6	V	2.8	0	5.19	198
401431127	2012	3	17	7	V	1.6	0	4.02	193
401431127	2012	3	17	8	V	3.9	0	4.58	186
401431127	2012	3	17	9	V	1.2	0.1	6.53	187
401431127	2012	3	17	10	V	2.4	0	7.42	189
401431127	2012	3	17	11	V	1.9	0.1	6.57	193
401431127	2012	3	17	12	V	2.2	0.1	7.45	192

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	17	13	V	2.3	0.1	7.62	186
401431127	2012	3	17	14	V	2.3	0.1	7.77	187
401431127	2012	3	17	15	V	1.7	0.1	7.89	190
401431127	2012	3	17	16	V	2.0	0.1	7.81	184
401431127	2012	3	17	17	V	3.6	0.1	6.58	183
401431127	2012	3	17	18	V	3.7	0.1	6.07	188
401431127	2012	3	17	19	V	1.5	0.1	4.65	183
401431127	2012	3	17	20	V	2.9	0.1	3.78	180
401431127	2012	3	17	21	V	2.7	0.1	3.54	164
401431127	2012	3	17	22	V	1.4	0.1	3.78	164
401431127	2012	3	17	23	V	1.1	0.2	3.83	168
401431127	2012	3	17	24	V	1.5	0.2	2.57	160
401431127	2012	3	18	1	V	1.3	0.1	2.23	143
401431127	2012	3	18	2	V	0.9	0.1	2.95	162
401431127	2012	3	18	3	V	0.4	0.2	4.2	163
401431127	2012	3	18	4	V	0.5	0.2	3.49	163
401431127	2012	3	18	5	V	1.4	0.1	3.78	166
401431127	2012	3	18	6	V	0.5	0.2	4.39	166
401431127	2012	3	18	7	V	1.1	0.2	5.05	166
401431127	2012	3	18	8	V	3.9	0.2	5.68	172
401431127	2012	3	18	9	V	1.2	0.2	6.09	175
401431127	2012	3	18	10	V	2.4	0.2	7.37	178
401431127	2012	3	18	11	V	1.9	0.2	6.47	177
401431127	2012	3	18	12	V	2.2	0.2	7.26	179
401431127	2012	3	18	13	V	2.3	0.2	8.56	179
401431127	2012	3	18	14	V	2.3	0.2	8.13	178
401431127	2012	3	18	15	V	1.7	0.2	5.97	169
401431127	2012	3	18	16	V	2.0	0.2	6.26	170
401431127	2012	3	18	17	V	3.6	0.2	7.5	174
401431127	2012	3	18	18	V	3.7	0.2	7.08	170
401431127	2012	3	18	19	V	1.5	0.2	6.41	169
401431127	2012	3	18	20	V	2.9	0.2	6.18	173
401431127	2012	3	18	21	V	2.7	0.2	5.16	171
401431127	2012	3	18	22	V	1.4	0.3	4.93	169
401431127	2012	3	18	23	V	1.1	0.3	3.97	164
401431127	2012	3	18	24	V	1.5	0.3	3.54	175
401431127	2012	3	19	1	V	1.3	0.3	4.05	170
401431127	2012	3	19	2	V	0.9	0.2	4.24	167
401431127	2012	3	19	3	V	0.4	0.3	5.21	170
401431127	2012	3	19	4	V	0.5	0.2	5.9	171
401431127	2012	3	19	5	V	1.4	0.2	5.79	169
401431127	2012	3	19	6	V	0.5	0.3	5.53	163
401431127	2012	3	19	7	V	1.1	0.2	5.07	163
401431127	2012	3	19	8	V	3.9	0.3	4.54	163
401431127	2012	3	19	9	V	1.2	0.3	5.8	159
401431127	2012	3	19	10	V	2.4	0.4	5.19	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	19	11	V	1.9	0.3	5.33	236
401431127	2012	3	19	12	V	3.4	0.2	1.47	47
401431127	2012	3	19	13	V	2.4	0.2	1.48	22
401431127	2012	3	19	14	V	2.3	0.3	2.86	16
401431127	2012	3	19	15	V	1.7	0.2	2.79	20
401431127	2012	3	19	16	V	3.4	0.2	3.29	50
401431127	2012	3	19	17	V	4.5	0.2	3	41
401431127	2012	3	19	18	V	3.8	0.2	3.17	55
401431127	2012	3	19	19	V	1.9	0.2	2.05	54
401431127	2012	3	19	20	V	2.9	0.2	2.16	139
401431127	2012	3	19	21	V	2.7	0.2	2.59	95
401431127	2012	3	19	22	V	1.4	0.2	3.68	116
401431127	2012	3	19	23	V	1.1	0.2	4.14	156
401431127	2012	3	19	24	V	1.5	0.2	3.93	132
401431127	2012	3	20	1	V	1.3	0.2	4.43	122
401431127	2012	3	20	2	V	0.9	0.2	3.68	140
401431127	2012	3	20	3	V	0.4	0.2	3.3	135
401431127	2012	3	20	4	V	0.5	0.2	2.61	116
401431127	2012	3	20	5	V	1.4	0.2	1.26	175
401431127	2012	3	20	6	V	0.5	0.2	2.16	165
401431127	2012	3	20	7	V	1.1	0.2	2.25	117
401431127	2012	3	20	8	V	5.2	0.2	0.86	194
401431127	2012	3	20	9	V	4.8	0.2	1.25	221
401431127	2012	3	20	10	V	5.4	0.1	1.08	223
401431127	2012	3	20	11	V	8.6	0.2	2.11	212
401431127	2012	3	20	12	V	2.2	0.3	2.25	165
401431127	2012	3	20	13	V	2.9	0.2	1.76	228
401431127	2012	3	20	14	V	2.4	0.3	1.4	171
401431127	2012	3	20	15	V	1.8	0.2	1.65	119
401431127	2012	3	20	16	V	2.1	0.3	1.45	125
401431127	2012	3	20	17	V	3.7	0.3	1.04	246
401431127	2012	3	20	18	V	5.8	0.3	1.57	205
401431127	2012	3	20	19	V	1.6	0.2	1.06	342
401431127	2012	3	20	20	V	3.6	0.2	0.63	46
401431127	2012	3	20	21	V	2.8	0.2	1.01	7
401431127	2012	3	20	22	V	1.4	0.2	2.1	58
401431127	2012	3	20	23	V	8.1	0.2	0.75	213
401431127	2012	3	20	24	V	1.5	0.3	2.44	109
401431127	2012	3	21	1	V	1.5	0.2	1.13	191
401431127	2012	3	21	2	V	0.9	0.2	1.59	138
401431127	2012	3	21	3	V	0.6	0.2	1.25	189
401431127	2012	3	21	4	V	1.4	0.2	1.52	197
401431127	2012	3	21	5	V	14.3	0.2	2.04	206
401431127	2012	3	21	6	V	0.5	0.1	1.99	296
401431127	2012	3	21	7	V	1.1	0.2	1.31	16
401431127	2012	3	21	8	V	4.0	0.2	1.21	353

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	21	9	V	1.4	0.3	2.25	26
401431127	2012	3	21	10	V	3.6	0.2	2.06	38
401431127	2012	3	21	11	V	2.0	0.2	1.81	115
401431127	2012	3	21	12	V	7.7	0.3	1.47	215
401431127	2012	3	21	13	V	3.0	0.3	1.6	62
401431127	2012	3	21	14	V	2.3	0.3	3.88	96
401431127	2012	3	21	15	V	1.7	0.3	2.76	104
401431127	2012	3	21	16	V	2.0	0.4	2.3	114
401431127	2012	3	21	17	V	3.6	0.6	3.66	88
401431127	2012	3	21	18	V	3.7	0.9	3.83	122
401431127	2012	3	21	19	V	1.5	0.3	4.27	119
401431127	2012	3	21	20	V	6.1	0.3	5.48	218
401431127	2012	3	21	21	V	2.7	0.2	2.03	288
401431127	2012	3	21	22	V	2.1	0.2	1.06	58
401431127	2012	3	21	23	V	1.2	0.2	0.87	92
401431127	2012	3	21	24	V	1.5	0.2	0.89	95
401431127	2012	3	22	1	V	1.3	0.2	1.91	97
401431127	2012	3	22	2	V	0.9	0.2	1.65	23
401431127	2012	3	22	3	V	4.1	0.2	1.94	45
401431127	2012	3	22	4	V	0.5	0.2	3.59	100
401431127	2012	3	22	5	V	1.4	0.2	4.29	124
401431127	2012	3	22	6	V	0.5	0.2	4.24	134
401431127	2012	3	22	7	V	1.1	0.2	5.17	139
401431127	2012	3	22	8	V	3.9	0.2	5.29	147
401431127	2012	3	22	9	V	1.2	0	5.6	156
401431127	2012	3	22	10	V	2.4	0.2	4.78	170
401431127	2012	3	22	11	V	1.9	0.1	5.51	170
401431127	2012	3	22	12	V	2.2	0.2	4.97	164
401431127	2012	3	22	13	V	4.2	0.2	3.92	203
401431127	2012	3	22	14	V	3.0	1.6	4.36	199
401431127	2012	3	22	15	V	4.2	0.6	3.64	205
401431127	2012	3	22	16	V	4.2	0.3	2.21	217
401431127	2012	3	22	17	V	3.7	0.4	1.08	251
401431127	2012	3	22	18	V	3.8	0.3	1.25	278
401431127	2012	3	22	19	V	1.5	0.2	1.4	248
401431127	2012	3	22	20	V	14.2	0.3	1.2	213
401431127	2012	3	22	21	V	3.2	0.1	0.86	225
401431127	2012	3	22	22	V	1.5	0.3	1.14	235
401431127	2012	3	22	23	V	1.4	0.2	0.72	230
401431127	2012	3	22	24	V	3.6	0.2	0.92	198
401431127	2012	3	23	1	V	10.5	0.4	0.92	210
401431127	2012	3	23	2	V	9.7	0.2	0.94	207
401431127	2012	3	23	3	V	0.5	0.2	1.06	272
401431127	2012	3	23	4	V	0.9	0.2	1.5	222
401431127	2012	3	23	5	V	1.4	0.2	1.67	232
401431127	2012	3	23	6	V	0.5	0.2	2.62	241

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	23	7	V	1.1	0.1	2.16	240
401431127	2012	3	23	8	V	4.0	0.1	2.4	242
401431127	2012	3	23	9	V	1.3	0.2	2.83	259
401431127	2012	3	23	10	V	2.4	0.2	3.54	281
401431127	2012	3	23	11	V	1.9	0.2	4.41	294
401431127	2012	3	23	12	V	2.2	0.2	3.51	293
401431127	2012	3	23	13	V	2.3	0.2	3.81	298
401431127	2012	3	23	14	V	2.3	0.2	3.71	316
401431127	2012	3	23	15	V	1.7	0.2	3.75	304
401431127	2012	3	23	16	V	2.0	0.2	3.83	331
401431127	2012	3	23	17	V	3.6	0.2	3.35	326
401431127	2012	3	23	18	V	3.7	0.2	2.47	309
401431127	2012	3	23	19	V	1.5	0.2	1.35	294
401431127	2012	3	23	20	V	3.1	0.1	0.65	300
401431127	2012	3	23	21	V	2.9	0.6	0.77	282
401431127	2012	3	23	22	V	1.7	1.4	0.58	302
401431127	2012	3	23	23	V	1.2	1.3	0.74	237
401431127	2012	3	23	24	V	1.7	1	0.62	342
401431127	2012	3	24	1	V	1.5	1.1	0.7	243
401431127	2012	3	24	2	V	1.0	1.1	0.92	245
401431127	2012	3	24	3	V	1.9	0.6	0.86	196
401431127	2012	3	24	4	C	-999	0.3	0	0
401431127	2012	3	24	5	V	1.7	0.3	0.53	158
401431127	2012	3	24	6	V	0.8	0.7	0.52	263
401431127	2012	3	24	7	V	1.2	0.8	0.75	254
401431127	2012	3	24	8	V	9.1	1	1.31	202
401431127	2012	3	24	9	V	1.6	0.5	1.21	147
401431127	2012	3	24	10	V	2.8	0.3	1.3	173
401431127	2012	3	24	11	V	2.1	0.6	1.45	171
401431127	2012	3	24	12	V	2.3	1.1	1.98	145
401431127	2012	3	24	13	V	2.4	1.5	1.99	338
401431127	2012	3	24	14	V	2.3	1.1	2.61	317
401431127	2012	3	24	15	V	1.7	1.7	2.78	312
401431127	2012	3	24	16	V	2.0	1.4	2.13	312
401431127	2012	3	24	17	V	3.7	0.9	1.72	304
401431127	2012	3	24	18	V	3.7	0.7	1.42	21
401431127	2012	3	24	19	V	1.6	0.6	1.04	354
401431127	2012	3	24	20	C	-999	0.6	0	0
401431127	2012	3	24	21	V	3.0	1.2	0.58	349
401431127	2012	3	24	22	V	1.7	1	0.52	295
401431127	2012	3	24	23	C	-999	1.2	0	0
401431127	2012	3	24	24	V	1.7	1.1	0.6	281
401431127	2012	3	25	1	C	-999	0.8	0	0
401431127	2012	3	25	2	C	-999	1.1	0	0
401431127	2012	3	25	3	C	-999	1.2	0	0
401431127	2012	3	25	4	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	25	5	C	-999	1	0	0
401431127	2012	3	25	6	C	-999	1.2	0	0
401431127	2012	3	25	7	C	-999	1.4	0	0
401431127	2012	3	25	8	C	-999	1	0	0
401431127	2012	3	25	9	V	2.0	0.4	0.77	79
401431127	2012	3	25	10	V	3.0	10.1	1.04	149
401431127	2012	3	25	11	V	2.1	9	1.59	145
401431127	2012	3	25	12	V	2.2	2.1	3.03	151
401431127	2012	3	25	13	V	2.3	2.3	2.76	130
401431127	2012	3	25	14	V	2.4	2.3	2.2	149
401431127	2012	3	25	15	V	1.7	1	2.57	144
401431127	2012	3	25	16	V	2.0	1.1	2.27	120
401431127	2012	3	25	17	V	3.6	0.9	2.89	105
401431127	2012	3	25	18	V	3.7	0.7	2.55	132
401431127	2012	3	25	19	V	1.5	0.9	2.39	142
401431127	2012	3	25	20	V	3.0	0.9	1.28	174
401431127	2012	3	25	21	C	-999	0.8	0	0
401431127	2012	3	25	22	V	1.6	0.7	0.74	279
401431127	2012	3	25	23	V	1.3	0.6	0.65	278
401431127	2012	3	25	24	C	-999	0.9	0	0
401431127	2012	3	26	1	V	1.5	0.7	0.67	312
401431127	2012	3	26	2	C	-999	0.4	0	0
401431127	2012	3	26	3	C	-999	0.8	0	0
401431127	2012	3	26	4	C	-999	0.6	0	0
401431127	2012	3	26	5	C	-999	0.5	0	0
401431127	2012	3	26	6	C	-999	0.7	0	0
401431127	2012	3	26	7	C	-999	1.6	0	0
401431127	2012	3	26	8	C	-999	2.7	0	0
401431127	2012	3	26	9	V	1.5	2.2	1.35	124
401431127	2012	3	26	10	V	2.5	1	2.11	147
401431127	2012	3	26	11	V	1.9	0.6	3.08	143
401431127	2012	3	26	12	V	2.2	0.7	3.69	166
401431127	2012	3	26	13	V	2.3	0.7	3.9	159
401431127	2012	3	26	14	V	2.3	0.6	4.1	153
401431127	2012	3	26	15	V	1.7	0.8	4.48	149
401431127	2012	3	26	16	V	2.0	0.8	5.41	161
401431127	2012	3	26	17	V	3.6	1.2	5.48	165
401431127	2012	3	26	18	V	3.7	1.8	4.46	164
401431127	2012	3	26	19	V	1.5	1	3.88	164
401431127	2012	3	26	20	V	2.9	0.6	4.19	166
401431127	2012	3	26	21	V	2.7	0.6	4.63	174
401431127	2012	3	26	22	V	1.4	0.5	4.43	182
401431127	2012	3	26	23	V	1.1	0.4	3.52	184
401431127	2012	3	26	24	V	1.5	0.4	3.4	183
401431127	2012	3	27	1	V	1.3	0.5	1.91	157
401431127	2012	3	27	2	V	0.9	0.4	2.3	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	27	3	V	0.5	0.4	1.84	175
401431127	2012	3	27	4	V	0.5	0.3	1.98	156
401431127	2012	3	27	5	V	1.4	0.3	2.23	161
401431127	2012	3	27	6	V	0.5	0.4	2.11	167
401431127	2012	3	27	7	V	1.1	0.3	3.03	166
401431127	2012	3	27	8	V	3.9	0.4	3.91	169
401431127	2012	3	27	9	V	1.2	0.6	5.05	169
401431127	2012	3	27	10	V	2.4	0.7	5.84	183
401431127	2012	3	27	11	V	1.9	0.9	7.04	188
401431127	2012	3	27	12	V	2.3	0.7	7.86	195
401431127	2012	3	27	13	V	2.3	1.3	8.74	192
401431127	2012	3	27	14	V	2.4	1.2	7.83	195
401431127	2012	3	27	15	V	1.7	1.1	7.09	194
401431127	2012	3	27	16	V	2.1	0.9	6.53	195
401431127	2012	3	27	17	V	3.6	0.9	6.06	188
401431127	2012	3	27	18	V	3.9	0.8	5.29	198
401431127	2012	3	27	19	V	2.0	0.6	3.68	193
401431127	2012	3	27	20	V	3.6	0.6	2.93	196
401431127	2012	3	27	21	V	14.3	0.5	1.71	205
401431127	2012	3	27	22	V	16.0	0.4	1.26	210
401431127	2012	3	27	23	V	4.6	0.5	0.94	218
401431127	2012	3	27	24	V	1.9	0.5	0.52	232
401431127	2012	3	28	1	C	-999	0.6	0	0
401431127	2012	3	28	2	C	-999	0.5	0	0
401431127	2012	3	28	3	C	-999	0.4	0	0
401431127	2012	3	28	4	V	1.7	0.3	0.62	225
401431127	2012	3	28	5	V	1.5	0.4	1.08	183
401431127	2012	3	28	6	V	0.6	0.3	1.13	154
401431127	2012	3	28	7	V	1.1	0.4	1.86	157
401431127	2012	3	28	8	V	3.9	0.6	3.57	179
401431127	2012	3	28	9	V	1.3	0.5	5.04	187
401431127	2012	3	28	10	V	2.4	0.6	6.11	189
401431127	2012	3	28	11	V	2.2	0.5	7.18	199
401431127	2012	3	28	12	V	2.2	0.3	6.79	193
401431127	2012	3	28	13	V	2.5	0.4	6.7	196
401431127	2012	3	28	14	V	2.3	-999	6.58	185
401431127	2012	3	28	15	V	1.7	-999	6.48	186
401431127	2012	3	28	16	V	2.0	0.1	6.77	178
401431127	2012	3	28	17	V	3.6	0	6.43	183
401431127	2012	3	28	18	V	3.7	0.1	6.23	175
401431127	2012	3	28	19	V	1.5	0.1	3.81	172
401431127	2012	3	28	20	V	2.9	0	3.4	169
401431127	2012	3	28	21	V	2.7	0	2.61	175
401431127	2012	3	28	22	V	1.4	0	3.2	173
401431127	2012	3	28	23	V	1.1	0	2.91	169
401431127	2012	3	28	24	V	1.5	0	2.18	169

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	29	1	V	1.3	0.1	2.55	173
401431127	2012	3	29	2	V	0.9	0	1.87	175
401431127	2012	3	29	3	V	0.4	0	1.94	162
401431127	2012	3	29	4	V	0.7	0	1.11	190
401431127	2012	3	29	5	V	1.6	0	0.79	180
401431127	2012	3	29	6	V	0.6	0	0.96	159
401431127	2012	3	29	7	V	1.1	0.3	1.37	158
401431127	2012	3	29	8	V	4.0	0	2.69	170
401431127	2012	3	29	9	V	1.3	0	3.78	179
401431127	2012	3	29	10	V	2.4	0	4.61	186
401431127	2012	3	29	11	V	1.9	0	4.8	173
401431127	2012	3	29	12	V	2.2	0	5.85	181
401431127	2012	3	29	13	V	2.3	0	5.73	172
401431127	2012	3	29	14	V	2.3	0	6.35	165
401431127	2012	3	29	15	V	1.7	0	6.58	164
401431127	2012	3	29	16	V	2.0	0	6.89	167
401431127	2012	3	29	17	V	3.6	0	6.8	175
401431127	2012	3	29	18	V	3.7	0	5.67	182
401431127	2012	3	29	19	V	1.5	0	4.53	183
401431127	2012	3	29	20	V	2.9	-999	2.27	187
401431127	2012	3	29	21	V	13.6	0	1.99	214
401431127	2012	3	29	22	V	1.5	0.6	1.13	226
401431127	2012	3	29	23	V	16.1	0.1	1.43	208
401431127	2012	3	29	24	V	5.7	0	1.81	217
401431127	2012	3	30	1	V	1.5	0	1.59	193
401431127	2012	3	30	2	V	1.0	0.1	1.91	191
401431127	2012	3	30	3	V	0.5	0	4.54	186
401431127	2012	3	30	4	V	0.7	0	4.87	189
401431127	2012	3	30	5	V	2.1	0	4.09	194
401431127	2012	3	30	6	V	13.5	0	1.54	207
401431127	2012	3	30	7	V	1.2	0.1	0.77	290
401431127	2012	3	30	8	V	4.1	0.4	1.67	181
401431127	2012	3	30	9	V	1.3	0.8	3.54	180
401431127	2012	3	30	10	V	2.5	4.1	3.97	188
401431127	2012	3	30	11	V	2.0	4.8	3.32	185
401431127	2012	3	30	12	V	3.1	1.5	2.5	194
401431127	2012	3	30	13	V	3.7	0.5	2.3	220
401431127	2012	3	30	14	V	2.4	1.7	3.01	183
401431127	2012	3	30	15	V	1.7	2.4	3.8	184
401431127	2012	3	30	16	V	2.0	1.7	4.54	171
401431127	2012	3	30	17	V	3.6	0.3	4.56	182
401431127	2012	3	30	18	V	3.8	0.2	4.09	194
401431127	2012	3	30	19	V	3.3	0.2	3.05	198
401431127	2012	3	30	20	V	18.0	0.2	1.62	212
401431127	2012	3	30	21	V	9.1	3.8	1.42	216
401431127	2012	3	30	22	V	4.2	3.9	0.94	219

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	3	30	23	C	-999	1.2	0	0
401431127	2012	3	30	24	V	1.7	0.6	0.69	274
401431127	2012	3	31	1	C	-999	0.7	0	0
401431127	2012	3	31	2	V	1.1	0.4	0.69	300
401431127	2012	3	31	3	V	0.7	0.2	0.62	268
401431127	2012	3	31	4	V	0.8	0.2	0.6	237
401431127	2012	3	31	5	C	-999	0.2	0	0
401431127	2012	3	31	6	V	0.8	0.2	0.53	284
401431127	2012	3	31	7	C	-999	0.2	0	0
401431127	2012	3	31	8	V	7.4	0.7	0.79	197
401431127	2012	3	31	9	V	3.5	1.4	1.48	193
401431127	2012	3	31	10	V	2.5	2.4	2.33	179
401431127	2012	3	31	11	V	2.0	6.8	1.79	173
401431127	2012	3	31	12	V	2.3	2.4	2.01	135
401431127	2012	3	31	13	V	2.3	0.8	2.9	159
401431127	2012	3	31	14	V	2.3	0.4	3.52	173
401431127	2012	3	31	15	V	1.7	0.2	3.74	167
401431127	2012	3	31	16	V	2.0	0.2	3.81	170
401431127	2012	3	31	17	V	3.6	0.1	3.4	179
401431127	2012	3	31	18	V	3.7	0.1	3.15	165
401431127	2012	3	31	19	V	1.5	0.2	2.47	152
401431127	2012	3	31	20	V	2.9	0.2	1.82	144
401431127	2012	3	31	21	V	2.8	0.1	0.97	187
401431127	2012	3	31	22	V	2.1	0.1	1.37	196
401431127	2012	3	31	23	V	3.1	0.1	1.69	199
401431127	2012	3	31	24	V	2.2	0.3	1.81	197
401431127	2012	4	1	1	V	4.3	0.3	0.77	199
401431127	2012	4	1	2	V	1.1	0.2	0.75	178
401431127	2012	4	1	3	V	0.5	0.1	2.33	188
401431127	2012	4	1	4	V	0.6	0.1	1.21	173
401431127	2012	4	1	5	V	1.4	0	1.48	155
401431127	2012	4	1	6	V	0.5	0	1.5	156
401431127	2012	4	1	7	V	1.1	0	2.69	166
401431127	2012	4	1	8	V	3.9	0	4.17	173
401431127	2012	4	1	9	V	1.2	0	6.21	185
401431127	2012	4	1	10	V	2.4	0.1	6.36	187
401431127	2012	4	1	11	V	1.9	0.6	7.08	190
401431127	2012	4	1	12	V	2.2	0.9	7.52	189
401431127	2012	4	1	13	V	2.3	0.5	7.16	189
401431127	2012	4	1	14	V	2.3	0.3	6.99	186
401431127	2012	4	1	15	V	1.7	0.3	7.28	185
401431127	2012	4	1	16	V	2.0	0.2	7.49	184
401431127	2012	4	1	17	V	3.6	0.2	7.23	187
401431127	2012	4	1	18	V	3.7	0.1	6.04	185
401431127	2012	4	1	19	V	1.5	0.1	4.85	175
401431127	2012	4	1	20	V	2.9	0.1	5.12	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	1	21	V	2.7	0	5.07	172
401431127	2012	4	1	22	V	1.4	0.1	4.83	170
401431127	2012	4	1	23	V	1.1	0.2	4.24	165
401431127	2012	4	1	24	V	1.5	0.2	4.19	169
401431127	2012	4	2	1	V	1.3	0.3	3.78	171
401431127	2012	4	2	2	V	0.9	0.3	4.65	181
401431127	2012	4	2	3	V	0.5	0.3	4.39	185
401431127	2012	4	2	4	V	0.8	0.2	5.09	190
401431127	2012	4	2	5	V	1.4	0.2	4.36	179
401431127	2012	4	2	6	V	0.5	0.1	3.97	176
401431127	2012	4	2	7	V	1.1	0.1	4.2	170
401431127	2012	4	2	8	V	3.9	0.1	5.02	171
401431127	2012	4	2	9	V	1.2	0	6.03	177
401431127	2012	4	2	10	V	2.4	0.1	6.83	182
401431127	2012	4	2	11	V	1.9	0.1	6.28	177
401431127	2012	4	2	12	V	2.2	0	5.63	167
401431127	2012	4	2	13	V	2.3	0	5.7	162
401431127	2012	4	2	14	V	2.3	0	5.85	163
401431127	2012	4	2	15	V	1.7	0	6.77	144
401431127	2012	4	2	16	V	2.0	0	6.46	156
401431127	2012	4	2	17	V	3.6	0	6.04	153
401431127	2012	4	2	18	V	3.7	0	5.44	159
401431127	2012	4	2	19	V	1.5	0	4.05	164
401431127	2012	4	2	20	V	2.9	0	7.25	171
401431127	2012	4	2	21	V	2.7	0	3.39	167
401431127	2012	4	2	22	V	1.4	0	3.1	144
401431127	2012	4	2	23	V	1.1	0	1.96	139
401431127	2012	4	2	24	V	5.8	0	1.84	201
401431127	2012	4	3	1	V	6.3	0	1.09	217
401431127	2012	4	3	2	V	1.0	0	1.08	310
401431127	2012	4	3	3	V	0.5	0	1.06	64
401431127	2012	4	3	4	V	0.6	0	1.28	171
401431127	2012	4	3	5	V	1.4	0	1.31	238
401431127	2012	4	3	6	V	0.5	0	1.79	246
401431127	2012	4	3	7	V	1.1	0	1.98	231
401431127	2012	4	3	8	M	-999	0.1	0.86	127
401431127	2012	4	3	9	M	-999	1.9	1.77	141
401431127	2012	4	3	10	M	-999	2.6	3.93	115
401431127	2012	4	3	11	M	-999	0.5	4.19	148
401431127	2012	4	3	12	M	-999	0.6	2.66	258
401431127	2012	4	3	13	M	-999	0.3	2.15	299
401431127	2012	4	3	14	M	-999	0.2	2.15	39
401431127	2012	4	3	15	M	-999	0.2	3.15	215
401431127	2012	4	3	16	M	-999	1	1.96	268
401431127	2012	4	3	17	M	-999	0.2	1.76	63
401431127	2012	4	3	18	M	-999	0.1	4.75	125

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	3	19	V	1.5	0.3	2.4	63
401431127	2012	4	3	20	V	3.7	0.3	1.5	40
401431127	2012	4	3	21	V	2.8	0.2	1.14	298
401431127	2012	4	3	22	V	1.5	0	1.33	240
401431127	2012	4	3	23	V	1.1	0	1.59	232
401431127	2012	4	3	24	V	1.6	0	0.91	251
401431127	2012	4	4	1	V	2.3	0	0.62	193
401431127	2012	4	4	2	V	1.0	0	0.84	265
401431127	2012	4	4	3	V	0.6	0	0.75	257
401431127	2012	4	4	4	C	-999	0	0	0
401431127	2012	4	4	5	V	1.6	0	0.72	32
401431127	2012	4	4	6	V	1.8	0	1.35	220
401431127	2012	4	4	7	V	1.2	0.1	1.35	224
401431127	2012	4	4	8	V	4.0	0	2.11	261
401431127	2012	4	4	9	V	1.3	0	2.79	259
401431127	2012	4	4	10	V	2.4	0	2.88	254
401431127	2012	4	4	11	V	1.9	0.2	3.39	241
401431127	2012	4	4	12	V	2.2	0	3.64	228
401431127	2012	4	4	13	V	2.8	0	3.49	224
401431127	2012	4	4	14	V	2.5	0	3.69	227
401431127	2012	4	4	15	V	1.7	0	4.29	232
401431127	2012	4	4	16	V	2.1	0	4.42	227
401431127	2012	4	4	17	V	4.1	0	3.81	221
401431127	2012	4	4	18	V	3.7	0	4.39	231
401431127	2012	4	4	19	V	5.9	0	4.58	217
401431127	2012	4	4	20	V	12.4	0	2.95	205
401431127	2012	4	4	21	V	5.4	0.3	2.86	221
401431127	2012	4	4	22	V	1.4	0	2.47	242
401431127	2012	4	4	23	V	1.1	0	1.81	234
401431127	2012	4	4	24	V	5.0	0	1.21	200
401431127	2012	4	5	1	V	1.3	0	1.81	231
401431127	2012	4	5	2	V	0.9	0	1.55	248
401431127	2012	4	5	3	V	0.5	0	1.04	260
401431127	2012	4	5	4	V	0.7	0	0.69	274
401431127	2012	4	5	5	V	1.5	-999	1.21	315
401431127	2012	4	5	6	V	3.1	0	1.21	219
401431127	2012	4	5	7	V	1.1	0	1.52	247
401431127	2012	4	5	8	V	4.0	0	1.64	266
401431127	2012	4	5	9	V	1.3	0	2.23	274
401431127	2012	4	5	10	V	2.4	0	2.49	266
401431127	2012	4	5	11	V	1.9	0	2.86	296
401431127	2012	4	5	12	V	2.2	0	2.96	315
401431127	2012	4	5	13	V	2.3	0	3.13	307
401431127	2012	4	5	14	V	2.4	0	2.45	340
401431127	2012	4	5	15	V	1.7	0	2.73	337
401431127	2012	4	5	16	V	2.0	0	2.5	338

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	5	17	V	3.6	0	3.12	3
401431127	2012	4	5	18	V	3.7	0.1	2.56	11
401431127	2012	4	5	19	V	1.5	0	2.95	12
401431127	2012	4	5	20	V	2.9	0	2.89	10
401431127	2012	4	5	21	V	2.7	0	2.83	7
401431127	2012	4	5	22	V	1.4	0	4.32	22
401431127	2012	4	5	23	V	1.1	0	4.78	30
401431127	2012	4	5	24	V	1.5	-999	4.27	32
401431127	2012	4	6	1	V	1.3	-999	3.07	30
401431127	2012	4	6	2	V	0.9	-999	2.57	21
401431127	2012	4	6	3	V	0.4	-999	2.15	14
401431127	2012	4	6	4	V	0.5	-999	2.83	31
401431127	2012	4	6	5	V	1.4	-999	2.71	36
401431127	2012	4	6	6	V	0.5	-999	1.72	27
401431127	2012	4	6	7	V	1.1	0.1	1.79	34
401431127	2012	4	6	8	V	4.6	0	2.13	59
401431127	2012	4	6	9	V	2.2	0	1.76	58
401431127	2012	4	6	10	V	2.5	0	2.15	91
401431127	2012	4	6	11	V	1.9	0.1	2.73	127
401431127	2012	4	6	12	V	2.2	0	3.08	151
401431127	2012	4	6	13	V	2.3	0	2.81	141
401431127	2012	4	6	14	V	2.3	0	2.81	128
401431127	2012	4	6	15	V	1.7	0	2.76	129
401431127	2012	4	6	16	V	2.0	0	2.66	129
401431127	2012	4	6	17	V	3.6	0	3.32	128
401431127	2012	4	6	18	V	3.7	0	3.81	131
401431127	2012	4	6	19	V	1.5	0	3.1	117
401431127	2012	4	6	20	V	3.0	0	0.87	161
401431127	2012	4	6	21	V	2.9	0.3	0.62	280
401431127	2012	4	6	22	V	1.6	0.9	0.7	300
401431127	2012	4	6	23	V	1.3	0.9	0.62	286
401431127	2012	4	6	24	V	1.7	0.7	1.55	194
401431127	2012	4	7	1	V	1.3	0	2.01	165
401431127	2012	4	7	2	V	1.3	0	2.39	196
401431127	2012	4	7	3	V	0.7	-999	1.43	223
401431127	2012	4	7	4	V	0.5	0	2.81	182
401431127	2012	4	7	5	V	1.4	0	3.58	176
401431127	2012	4	7	6	V	0.5	0	2.83	166
401431127	2012	4	7	7	V	1.1	0	4.73	170
401431127	2012	4	7	8	V	3.9	0	3.05	170
401431127	2012	4	7	9	V	1.2	0.1	5.75	179
401431127	2012	4	7	10	V	2.4	0.2	5.21	180
401431127	2012	4	7	11	V	4.1	0	4.75	207
401431127	2012	4	7	12	V	2.5	0	6.16	40
401431127	2012	4	7	13	V	3.1	0	2.44	57
401431127	2012	4	7	14	V	2.5	0	1.42	94

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	7	15	V	1.9	0	1.01	337
401431127	2012	4	7	16	V	2.1	0	1.55	338
401431127	2012	4	7	17	V	3.7	0	1.69	360
401431127	2012	4	7	18	V	3.7	0	2.39	360
401431127	2012	4	7	19	V	1.5	0	1.93	4
401431127	2012	4	7	20	V	2.9	0	2.52	13
401431127	2012	4	7	21	V	2.7	0	3.25	22
401431127	2012	4	7	22	V	1.4	-999	2.72	26
401431127	2012	4	7	23	V	1.1	-999	3.35	22
401431127	2012	4	7	24	V	1.5	-999	3.54	26
401431127	2012	4	8	1	V	1.3	-999	3.2	29
401431127	2012	4	8	2	V	0.9	-999	3.22	25
401431127	2012	4	8	3	V	0.4	-999	4	32
401431127	2012	4	8	4	V	0.7	-999	3.68	39
401431127	2012	4	8	5	V	1.4	-999	2.67	32
401431127	2012	4	8	6	V	0.5	-999	2.57	12
401431127	2012	4	8	7	V	1.1	-999	2.4	18
401431127	2012	4	8	8	V	4.0	-999	3.97	34
401431127	2012	4	8	9	V	2.0	-999	4.85	40
401431127	2012	4	8	10	V	2.4	0	4.68	62
401431127	2012	4	8	11	V	1.9	0	3.54	71
401431127	2012	4	8	12	V	2.3	0.2	2.18	107
401431127	2012	4	8	13	V	2.3	0.5	2.5	142
401431127	2012	4	8	14	V	2.3	0.4	2.83	148
401431127	2012	4	8	15	V	1.8	0	1.65	133
401431127	2012	4	8	16	V	3.6	0	1.06	201
401431127	2012	4	8	17	V	3.8	0	0.77	296
401431127	2012	4	8	18	V	3.9	0	0.74	24
401431127	2012	4	8	19	V	1.7	0	0.72	266
401431127	2012	4	8	20	V	3.2	0	0.58	250
401431127	2012	4	8	21	V	2.7	0	1.48	166
401431127	2012	4	8	22	V	9.0	0	0.86	205
401431127	2012	4	8	23	V	1.4	0	0.52	300
401431127	2012	4	8	24	V	1.6	0	0.87	182
401431127	2012	4	9	1	V	6.2	0	1.2	217
401431127	2012	4	9	2	V	1.2	0	0.53	169
401431127	2012	4	9	3	V	0.9	0	0.96	224
401431127	2012	4	9	4	V	5.6	0	0.52	204
401431127	2012	4	9	5	V	8.7	0	0.79	213
401431127	2012	4	9	6	V	0.8	0	0.6	263
401431127	2012	4	9	7	C	-999	0.4	0	0
401431127	2012	4	9	8	V	6.6	0.2	0.75	226
401431127	2012	4	9	9	V	1.8	0	1.18	239
401431127	2012	4	9	10	V	3.8	0	1.3	193
401431127	2012	4	9	11	V	2.7	0.2	1.57	190
401431127	2012	4	9	12	V	2.3	0.5	2.08	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	9	13	V	2.3	0.1	2.95	160
401431127	2012	4	9	14	V	2.3	0	3.3	164
401431127	2012	4	9	15	V	1.7	0	3.23	158
401431127	2012	4	9	16	V	2.0	0	3.57	158
401431127	2012	4	9	17	V	3.6	0	3.93	162
401431127	2012	4	9	18	V	3.7	0	3.71	169
401431127	2012	4	9	19	V	1.6	0	2.84	187
401431127	2012	4	9	20	V	2.9	0	2.79	171
401431127	2012	4	9	21	V	2.7	0	2.3	156
401431127	2012	4	9	22	V	1.5	0	1.06	184
401431127	2012	4	9	23	V	1.6	0	0.74	191
401431127	2012	4	9	24	C	-999	0	0	0
401431127	2012	4	10	1	V	6.5	0	0.87	202
401431127	2012	4	10	2	V	1.0	0	0.99	331
401431127	2012	4	10	3	V	0.5	0	1.59	20
401431127	2012	4	10	4	V	0.7	0	0.84	360
401431127	2012	4	10	5	V	1.5	0	0.89	244
401431127	2012	4	10	6	V	0.6	0	1.37	342
401431127	2012	4	10	7	V	1.1	0	2.66	15
401431127	2012	4	10	8	V	3.9	0	3.4	18
401431127	2012	4	10	9	V	1.3	0	3.64	24
401431127	2012	4	10	10	V	2.7	0.1	4.36	36
401431127	2012	4	10	11	V	3.5	0.5	3.81	43
401431127	2012	4	10	12	V	2.6	0.2	3.47	58
401431127	2012	4	10	13	V	2.4	0.5	4	31
401431127	2012	4	10	14	V	2.3	0.3	3.46	29
401431127	2012	4	10	15	V	2.2	0.6	3.32	37
401431127	2012	4	10	16	V	2.6	1.1	3.69	39
401431127	2012	4	10	17	V	3.6	0.9	3.76	28
401431127	2012	4	10	18	V	3.7	1.8	3.17	28
401431127	2012	4	10	19	V	1.5	1.6	3.42	30
401431127	2012	4	10	20	V	2.9	0.2	3.81	28
401431127	2012	4	10	21	V	2.7	0.1	4.08	31
401431127	2012	4	10	22	V	1.4	0.1	3.66	25
401431127	2012	4	10	23	V	1.1	0.1	3.75	38
401431127	2012	4	10	24	V	2.8	0	4.29	44
401431127	2012	4	11	1	V	2.3	0	3.69	51
401431127	2012	4	11	2	V	2.2	0	4.22	44
401431127	2012	4	11	3	V	1.9	0	4.02	50
401431127	2012	4	11	4	V	1.1	0	3.13	41
401431127	2012	4	11	5	V	1.4	-999	3.97	12
401431127	2012	4	11	6	V	0.5	-999	4.22	67
401431127	2012	4	11	7	V	2.3	0	4.22	51
401431127	2012	4	11	8	V	3.9	-999	4.09	77
401431127	2012	4	11	9	V	1.3	0	2.81	89
401431127	2012	4	11	10	V	2.6	0	3.59	61

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	11	11	V	1.9	0	4.54	77
401431127	2012	4	11	12	V	2.2	0.2	4.99	77
401431127	2012	4	11	13	V	2.3	0.4	4.32	81
401431127	2012	4	11	14	V	2.3	1.2	4.95	94
401431127	2012	4	11	15	V	1.7	1	4.27	113
401431127	2012	4	11	16	V	2.0	2.3	3.86	107
401431127	2012	4	11	17	V	3.6	2.2	3.73	111
401431127	2012	4	11	18	V	3.7	1.3	3.2	116
401431127	2012	4	11	19	V	1.5	1.7	2.64	126
401431127	2012	4	11	20	V	2.9	1	1.54	148
401431127	2012	4	11	21	V	2.7	0.2	1.59	112
401431127	2012	4	11	22	V	1.5	0	1.42	145
401431127	2012	4	11	23	C	-999	0	0	0
401431127	2012	4	11	24	V	1.7	0	0.67	77
401431127	2012	4	12	1	C	-999	0	0	0
401431127	2012	4	12	2	V	1.0	0.2	0.91	82
401431127	2012	4	12	3	V	0.4	0.2	1.98	101
401431127	2012	4	12	4	V	0.6	0.1	1.88	136
401431127	2012	4	12	5	V	1.4	0	2.62	142
401431127	2012	4	12	6	V	0.5	0	2.69	149
401431127	2012	4	12	7	V	1.1	0	2.64	151
401431127	2012	4	12	8	V	3.9	0	3.83	164
401431127	2012	4	12	9	V	1.2	0.1	4.65	157
401431127	2012	4	12	10	V	2.4	0.1	5.45	150
401431127	2012	4	12	11	V	1.9	0.2	6.21	158
401431127	2012	4	12	12	V	2.2	0.2	5.96	161
401431127	2012	4	12	13	V	2.3	0.1	6.31	162
401431127	2012	4	12	14	V	2.3	0.1	6.11	159
401431127	2012	4	12	15	V	1.7	0.1	6.53	163
401431127	2012	4	12	16	V	2.0	0.1	5.87	156
401431127	2012	4	12	17	V	3.6	0.1	5.92	152
401431127	2012	4	12	18	V	3.7	0.1	5.48	154
401431127	2012	4	12	19	V	1.5	0	5.31	129
401431127	2012	4	12	20	V	2.9	0	4.76	134
401431127	2012	4	12	21	V	2.7	0	4.61	146
401431127	2012	4	12	22	V	1.4	0.1	4.27	154
401431127	2012	4	12	23	V	1.1	0.1	3.81	160
401431127	2012	4	12	24	V	1.5	0	4.07	164
401431127	2012	4	13	1	V	1.3	0	4.61	166
401431127	2012	4	13	2	V	0.9	0	4.36	166
401431127	2012	4	13	3	V	0.4	0	4.75	173
401431127	2012	4	13	4	V	0.5	0	3.83	165
401431127	2012	4	13	5	V	1.4	0	3.68	169
401431127	2012	4	13	6	V	0.5	0	3.22	163
401431127	2012	4	13	7	V	1.1	0.1	3.93	167
401431127	2012	4	13	8	V	3.9	0	4.7	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	13	9	V	1.2	0.1	6.52	182
401431127	2012	4	13	10	V	2.4	0.1	7.5	186
401431127	2012	4	13	11	V	1.9	0	7.35	186
401431127	2012	4	13	12	V	2.2	-999	7.28	193
401431127	2012	4	13	13	V	2.3	-999	6.09	191
401431127	2012	4	13	14	V	2.3	0.3	5.63	181
401431127	2012	4	13	15	V	1.7	0.1	5.24	169
401431127	2012	4	13	16	V	2.0	0	4.31	177
401431127	2012	4	13	17	V	3.6	0	3.35	174
401431127	2012	4	13	18	V	3.7	0	3.13	178
401431127	2012	4	13	19	V	1.5	0	2.89	160
401431127	2012	4	13	20	V	2.9	0	5.09	169
401431127	2012	4	13	21	V	2.7	0	4.77	162
401431127	2012	4	13	22	V	1.4	0	5.22	159
401431127	2012	4	13	23	V	1.1	0	5.12	173
401431127	2012	4	13	24	V	1.5	0	4.85	175
401431127	2012	4	14	1	V	1.3	0	2.67	166
401431127	2012	4	14	2	V	0.9	0	2.69	140
401431127	2012	4	14	3	V	0.4	0	3.51	151
401431127	2012	4	14	4	V	0.5	0	3.05	170
401431127	2012	4	14	5	V	1.4	0	3.86	159
401431127	2012	4	14	6	V	0.5	0	4.83	182
401431127	2012	4	14	7	V	1.1	0	3.03	182
401431127	2012	4	14	8	V	4.0	0	2.86	157
401431127	2012	4	14	9	V	1.2	0	5.96	175
401431127	2012	4	14	10	V	2.4	0	8.86	181
401431127	2012	4	14	11	V	1.9	0	8.05	170
401431127	2012	4	14	12	V	2.2	0	8.3	165
401431127	2012	4	14	13	V	2.3	0	7.76	167
401431127	2012	4	14	14	V	2.3	0	8.47	169
401431127	2012	4	14	15	V	1.7	0	9.12	166
401431127	2012	4	14	16	V	2.0	0	8.47	168
401431127	2012	4	14	17	V	3.6	0	8.13	168
401431127	2012	4	14	18	V	3.7	0	7.94	166
401431127	2012	4	14	19	V	1.5	0	7.89	166
401431127	2012	4	14	20	V	2.9	0.1	6.92	171
401431127	2012	4	14	21	V	2.7	0.1	7.57	175
401431127	2012	4	14	22	V	1.4	0.1	7.84	177
401431127	2012	4	14	23	V	1.1	0.1	7.84	172
401431127	2012	4	14	24	V	1.5	0.1	7.33	172
401431127	2012	4	15	1	V	1.3	0	8.67	181
401431127	2012	4	15	2	V	0.9	0	8.59	182
401431127	2012	4	15	3	V	0.4	0	8.17	180
401431127	2012	4	15	4	V	1.8	0.5	5.8	195
401431127	2012	4	15	5	V	1.4	0.3	5.17	171
401431127	2012	4	15	6	V	3.5	0.1	5.84	218

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	15	7	V	5.9	0	5.62	210
401431127	2012	4	15	8	V	3.9	0	3.22	182
401431127	2012	4	15	9	V	1.3	0	3.69	189
401431127	2012	4	15	10	V	2.8	0	4.87	198
401431127	2012	4	15	11	V	2.3	0.1	5.6	199
401431127	2012	4	15	12	V	3.5	1.5	5.14	204
401431127	2012	4	15	13	V	3.1	1.8	5.75	213
401431127	2012	4	15	14	V	3.2	1.8	6.01	211
401431127	2012	4	15	15	V	2.7	2	5.94	206
401431127	2012	4	15	16	V	2.7	3	6.04	211
401431127	2012	4	15	17	V	4.4	3.7	5.41	213
401431127	2012	4	15	18	V	3.7	0	4.12	229
401431127	2012	4	15	19	V	8.2	0	3.13	216
401431127	2012	4	15	20	V	3.0	0.2	1.88	225
401431127	2012	4	15	21	V	2.7	0	1.93	245
401431127	2012	4	15	22	V	1.4	0.2	2.78	286
401431127	2012	4	15	23	V	1.1	0.3	2.25	283
401431127	2012	4	15	24	V	1.5	0	2.1	264
401431127	2012	4	16	1	V	1.3	0.1	1.96	278
401431127	2012	4	16	2	V	0.9	0	2.28	294
401431127	2012	4	16	3	V	0.5	0	1.84	295
401431127	2012	4	16	4	V	0.6	0	1.45	298
401431127	2012	4	16	5	V	1.4	0	2.45	331
401431127	2012	4	16	6	V	0.5	0	1.81	343
401431127	2012	4	16	7	V	1.2	0.2	0.79	244
401431127	2012	4	16	8	V	5.1	0.1	1.19	44
401431127	2012	4	16	9	V	1.3	0	3.54	13
401431127	2012	4	16	10	V	2.4	0	3.25	20
401431127	2012	4	16	11	V	2.7	0	1.84	45
401431127	2012	4	16	12	V	2.3	0	1.6	3
401431127	2012	4	16	13	V	2.5	0	1.72	72
401431127	2012	4	16	14	V	2.6	0	1.82	62
401431127	2012	4	16	15	V	1.9	0	1.45	33
401431127	2012	4	16	16	V	2.4	0	1.37	203
401431127	2012	4	16	17	V	3.9	0	1.13	31
401431127	2012	4	16	18	V	3.7	0	1.52	6
401431127	2012	4	16	19	V	1.5	0	2.18	9
401431127	2012	4	16	20	V	2.9	0.1	1.6	6
401431127	2012	4	16	21	V	2.8	0.4	0.86	4
401431127	2012	4	16	22	V	1.6	0.3	0.77	336
401431127	2012	4	16	23	C	-999	0.1	0	0
401431127	2012	4	16	24	V	1.8	0.2	0.52	266
401431127	2012	4	17	1	V	1.8	0.1	0.55	231
401431127	2012	4	17	2	C	-999	0.1	0	0
401431127	2012	4	17	3	C	-999	0.2	0	0
401431127	2012	4	17	4	V	0.8	0.1	0.53	266

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	17	5	V	1.6	0.1	0.72	263
401431127	2012	4	17	6	C	-999	0.4	0	0
401431127	2012	4	17	7	V	2.4	1.1	0.52	225
401431127	2012	4	17	8	V	4.3	0.9	1.16	102
401431127	2012	4	17	9	V	1.3	0.2	2.69	121
401431127	2012	4	17	10	V	2.4	0.3	3.06	140
401431127	2012	4	17	11	V	1.9	0.1	3.37	141
401431127	2012	4	17	12	V	2.2	0.8	3.2	164
401431127	2012	4	17	13	V	2.3	0.3	2.84	155
401431127	2012	4	17	14	V	2.4	0.1	2.95	175
401431127	2012	4	17	15	V	1.7	0	2.59	166
401431127	2012	4	17	16	V	2.0	0	2.96	160
401431127	2012	4	17	17	V	3.6	0	3.56	147
401431127	2012	4	17	18	V	3.7	0	3.44	152
401431127	2012	4	17	19	V	1.5	0	2.88	154
401431127	2012	4	17	20	V	2.9	0	1.59	146
401431127	2012	4	17	21	V	2.7	0	1.54	147
401431127	2012	4	17	22	V	1.4	0.1	1.45	161
401431127	2012	4	17	23	V	1.8	0	0.6	228
401431127	2012	4	17	24	V	1.5	0	3.05	158
401431127	2012	4	18	1	V	1.3	0	3.66	159
401431127	2012	4	18	2	V	0.9	0	4.2	170
401431127	2012	4	18	3	V	0.4	0	3.3	171
401431127	2012	4	18	4	V	0.5	0	2.79	175
401431127	2012	4	18	5	V	1.4	0	2.66	178
401431127	2012	4	18	6	V	0.5	0	2.56	166
401431127	2012	4	18	7	V	1.1	0	2.22	169
401431127	2012	4	18	8	V	3.9	0.1	3.46	169
401431127	2012	4	18	9	V	1.3	0.2	4.15	184
401431127	2012	4	18	10	V	2.4	0.3	5.29	187
401431127	2012	4	18	11	V	2.0	0.3	4.66	189
401431127	2012	4	18	12	V	2.2	0.2	5.36	184
401431127	2012	4	18	13	V	2.3	0.2	5.72	182
401431127	2012	4	18	14	V	2.3	0.2	6.19	171
401431127	2012	4	18	15	V	1.7	0.2	6.67	172
401431127	2012	4	18	16	V	2.0	0.2	5.99	182
401431127	2012	4	18	17	V	3.6	0.4	5.7	182
401431127	2012	4	18	18	V	3.7	0.3	5.26	181
401431127	2012	4	18	19	V	1.5	0.2	3.56	173
401431127	2012	4	18	20	V	2.9	0.2	3.05	171
401431127	2012	4	18	21	V	2.7	0.1	3.25	173
401431127	2012	4	18	22	V	1.4	0.1	4.34	170
401431127	2012	4	18	23	V	1.1	0.1	3.68	176
401431127	2012	4	18	24	V	1.5	0.2	3.25	172
401431127	2012	4	19	1	V	1.3	0.1	2.69	175
401431127	2012	4	19	2	V	0.9	0.1	2.79	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	19	3	V	0.4	0.1	2.32	167
401431127	2012	4	19	4	V	0.5	0.1	2.78	167
401431127	2012	4	19	5	V	1.4	0.1	2.93	163
401431127	2012	4	19	6	V	0.5	0.1	3.42	162
401431127	2012	4	19	7	V	1.1	0.3	3.85	167
401431127	2012	4	19	8	V	3.9	0.4	4.71	169
401431127	2012	4	19	9	V	1.2	2	6.13	174
401431127	2012	4	19	10	V	2.4	4.5	8.76	176
401431127	2012	4	19	11	V	1.9	1.3	9.32	177
401431127	2012	4	19	12	V	2.2	1.2	8.15	175
401431127	2012	4	19	13	V	2.3	0.8	8.13	169
401431127	2012	4	19	14	V	2.3	0.4	8.54	172
401431127	2012	4	19	15	V	1.7	0.4	7.48	186
401431127	2012	4	19	16	V	2.1	0.7	7.04	196
401431127	2012	4	19	17	V	3.8	1.9	6.31	197
401431127	2012	4	19	18	V	3.8	1.3	5.65	194
401431127	2012	4	19	19	V	1.8	0.8	3.17	189
401431127	2012	4	19	20	V	2.9	0.7	2.49	180
401431127	2012	4	19	21	V	3.9	0.6	1.89	198
401431127	2012	4	19	22	V	12.3	3.6	3.29	207
401431127	2012	4	19	23	V	1.1	0.7	2.28	238
401431127	2012	4	19	24	V	1.5	0.2	1.71	299
401431127	2012	4	20	1	V	1.3	0	2.84	257
401431127	2012	4	20	2	V	0.9	0	2.1	360
401431127	2012	4	20	3	V	0.4	0	1.99	15
401431127	2012	4	20	4	V	0.5	0	3.81	7
401431127	2012	4	20	5	V	1.4	0	3.8	359
401431127	2012	4	20	6	V	0.5	0	4.7	1
401431127	2012	4	20	7	V	1.1	0	4.58	356
401431127	2012	4	20	8	V	3.9	0	4.7	359
401431127	2012	4	20	9	V	1.2	0	4.95	357
401431127	2012	4	20	10	V	2.4	0	4.85	355
401431127	2012	4	20	11	V	1.9	0	4.53	353
401431127	2012	4	20	12	V	2.2	0	5.24	1
401431127	2012	4	20	13	V	2.3	0	4.77	359
401431127	2012	4	20	14	V	2.3	0	5.07	1
401431127	2012	4	20	15	V	1.7	0	4.58	2
401431127	2012	4	20	16	V	2.0	0	4.22	4
401431127	2012	4	20	17	V	3.6	0	4.7	7
401431127	2012	4	20	18	V	3.7	0	3.92	6
401431127	2012	4	20	19	V	1.5	0	3.52	7
401431127	2012	4	20	20	V	2.9	0	2.1	355
401431127	2012	4	20	21	V	2.7	0	1.76	344
401431127	2012	4	20	22	V	1.4	0	1.82	338
401431127	2012	4	20	23	V	1.1	0	1.62	326
401431127	2012	4	20	24	V	1.5	0	1.33	318

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	21	1	V	1.4	0	1.06	298
401431127	2012	4	21	2	V	1.1	0	0.77	330
401431127	2012	4	21	3	V	0.6	0	0.75	232
401431127	2012	4	21	4	V	0.8	0	0.65	246
401431127	2012	4	21	5	V	1.5	0.1	0.91	290
401431127	2012	4	21	6	C	-999	0.1	0	0
401431127	2012	4	21	7	V	1.2	0.3	0.79	235
401431127	2012	4	21	8	V	8.3	0	1.25	199
401431127	2012	4	21	9	V	4.7	0	1.65	198
401431127	2012	4	21	10	V	3.5	1.7	1.16	218
401431127	2012	4	21	11	V	2.4	3.4	1.6	232
401431127	2012	4	21	12	V	2.8	0.9	1.49	196
401431127	2012	4	21	13	V	2.7	0.6	1.86	231
401431127	2012	4	21	14	V	3.1	0.4	1.94	212
401431127	2012	4	21	15	V	1.8	0.3	1.81	311
401431127	2012	4	21	16	V	2.1	0.3	1.54	327
401431127	2012	4	21	17	V	3.9	0.3	1.43	238
401431127	2012	4	21	18	V	3.7	0.3	1.88	257
401431127	2012	4	21	19	V	1.5	0.2	1.3	299
401431127	2012	4	21	20	V	3.0	0.2	0.82	309
401431127	2012	4	21	21	V	3.0	0.4	0.57	249
401431127	2012	4	21	22	V	1.5	0.6	0.92	248
401431127	2012	4	21	23	V	1.2	0.6	0.7	253
401431127	2012	4	21	24	V	1.5	0.5	1.01	237
401431127	2012	4	22	1	V	1.5	0.4	0.65	246
401431127	2012	4	22	2	V	2.2	0.2	0.67	224
401431127	2012	4	22	3	C	-999	0.2	0	0
401431127	2012	4	22	4	C	-999	0.1	0	0
401431127	2012	4	22	5	V	1.6	0	0.62	339
401431127	2012	4	22	6	V	0.5	0	3.1	355
401431127	2012	4	22	7	V	1.1	0	5.09	8
401431127	2012	4	22	8	V	3.9	0	5.38	9
401431127	2012	4	22	9	V	1.2	0	5.43	4
401431127	2012	4	22	10	V	2.4	0	6.4	358
401431127	2012	4	22	11	V	1.9	0	6.13	357
401431127	2012	4	22	12	V	2.2	0	5.45	349
401431127	2012	4	22	13	V	2.3	0	5.53	351
401431127	2012	4	22	14	V	2.3	0	6.18	1
401431127	2012	4	22	15	V	1.7	0	5.77	355
401431127	2012	4	22	16	V	2.0	0	5.75	359
401431127	2012	4	22	17	V	3.6	0	5.17	358
401431127	2012	4	22	18	V	3.7	0	4.76	360
401431127	2012	4	22	19	V	1.5	0	4.32	6
401431127	2012	4	22	20	V	2.9	0	2.33	358
401431127	2012	4	22	21	V	2.7	0	1.71	347
401431127	2012	4	22	22	V	1.4	0	1.81	4

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	22	23	V	1.1	0	1.2	341
401431127	2012	4	22	24	V	1.6	0	0.89	286
401431127	2012	4	23	1	V	1.5	0	0.7	273
401431127	2012	4	23	2	C	-999	0	0	0
401431127	2012	4	23	3	V	0.7	0	0.6	254
401431127	2012	4	23	4	V	0.7	0	0.69	314
401431127	2012	4	23	5	V	2.2	0	0.65	227
401431127	2012	4	23	6	C	-999	0	0	0
401431127	2012	4	23	7	C	-999	1.1	0	0
401431127	2012	4	23	8	V	4.8	0.6	1.13	57
401431127	2012	4	23	9	V	2.1	0	1.54	52
401431127	2012	4	23	10	V	3.2	0.2	2.37	39
401431127	2012	4	23	11	V	2.1	0.2	3.54	34
401431127	2012	4	23	12	V	2.4	0.1	2.66	31
401431127	2012	4	23	13	V	2.4	0	2.57	347
401431127	2012	4	23	14	V	2.4	0	1.87	346
401431127	2012	4	23	15	V	2.2	0.1	2.74	41
401431127	2012	4	23	16	V	2.0	0	2.38	355
401431127	2012	4	23	17	V	3.7	0	2.06	340
401431127	2012	4	23	18	V	3.8	0	1.04	304
401431127	2012	4	23	19	V	1.5	0	1.3	247
401431127	2012	4	23	20	V	3.1	0	0.72	264
401431127	2012	4	23	21	C	-999	0.1	0	0
401431127	2012	4	23	22	V	1.6	0.5	0.72	235
401431127	2012	4	23	23	V	1.3	0.6	0.67	252
401431127	2012	4	23	24	V	1.6	0.5	0.69	243
401431127	2012	4	24	1	V	1.6	0.5	0.53	267
401431127	2012	4	24	2	V	1.1	0.1	0.62	268
401431127	2012	4	24	3	V	0.7	0.1	0.62	247
401431127	2012	4	24	4	V	7.8	0.2	0.91	214
401431127	2012	4	24	5	V	2.6	0.1	1.28	197
401431127	2012	4	24	6	V	0.8	0.4	1.01	191
401431127	2012	4	24	7	V	1.1	1.1	1.47	182
401431127	2012	4	24	8	V	4.5	5.3	2.37	190
401431127	2012	4	24	9	V	1.3	7.8	4.07	185
401431127	2012	4	24	10	V	2.6	6.4	4.82	194
401431127	2012	4	24	11	V	1.9	4.4	5.85	188
401431127	2012	4	24	12	V	2.3	3.5	6.19	193
401431127	2012	4	24	13	V	2.4	2.6	6.18	190
401431127	2012	4	24	14	V	2.9	1.5	6.3	202
401431127	2012	4	24	15	V	2.5	1.3	6.46	205
401431127	2012	4	24	16	V	2.9	1.4	6.07	208
401431127	2012	4	24	17	V	4.3	1.7	6.36	212
401431127	2012	4	24	18	V	4.8	3.6	5.63	207
401431127	2012	4	24	19	V	7.9	6.6	3.57	202
401431127	2012	4	24	20	V	2.9	8.2	3.15	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	24	21	V	2.8	2.3	4.03	187
401431127	2012	4	24	22	V	2.3	0.8	3.68	195
401431127	2012	4	24	23	V	2.5	0.6	4.24	196
401431127	2012	4	24	24	V	1.9	0.7	4.82	192
401431127	2012	4	25	1	V	1.7	1.3	4.22	192
401431127	2012	4	25	2	V	1.2	5.5	2.44	194
401431127	2012	4	25	3	V	0.4	6.7	3.12	173
401431127	2012	4	25	4	V	0.5	3.7	3.1	141
401431127	2012	4	25	5	V	1.4	1.1	3.32	150
401431127	2012	4	25	6	V	0.5	0.6	3.34	166
401431127	2012	4	25	7	V	1.1	0.5	4.15	171
401431127	2012	4	25	8	V	4.0	0.6	3.2	170
401431127	2012	4	25	9	V	1.3	0.6	4.58	183
401431127	2012	4	25	10	V	4.0	2.5	5.16	209
401431127	2012	4	25	11	V	3.3	3.8	5.33	208
401431127	2012	4	25	12	V	3.5	4	5.07	205
401431127	2012	4	25	13	V	3.8	1.6	5.14	208
401431127	2012	4	25	14	V	3.0	1.4	4.65	217
401431127	2012	4	25	15	V	2.8	1	4.7	206
401431127	2012	4	25	16	V	2.7	1.3	5.12	201
401431127	2012	4	25	17	V	3.7	1.1	5.22	192
401431127	2012	4	25	18	V	3.7	2.3	4.77	190
401431127	2012	4	25	19	V	1.6	2.7	2.78	187
401431127	2012	4	25	20	V	3.0	1.5	1.93	188
401431127	2012	4	25	21	V	6.4	0.6	1.04	200
401431127	2012	4	25	22	V	9.2	0.4	0.79	206
401431127	2012	4	25	23	V	1.3	0.3	0.62	179
401431127	2012	4	25	24	C	-999	0.4	0	0
401431127	2012	4	26	1	C	-999	0.4	0	0
401431127	2012	4	26	2	V	1.2	0.3	0.57	304
401431127	2012	4	26	3	V	0.7	0.2	0.55	274
401431127	2012	4	26	4	V	0.6	0.2	1.09	336
401431127	2012	4	26	5	V	1.5	0.2	1.43	7
401431127	2012	4	26	6	C	-999	0.1	0	0
401431127	2012	4	26	7	V	1.3	0.3	0.91	276
401431127	2012	4	26	8	V	4.5	0.2	1.28	20
401431127	2012	4	26	9	V	2.0	0.2	1.26	75
401431127	2012	4	26	10	V	2.5	0.1	2.52	107
401431127	2012	4	26	11	V	1.9	-999	3.71	83
401431127	2012	4	26	12	V	2.2	-999	4.31	85
401431127	2012	4	26	13	V	2.3	0.7	5.09	86
401431127	2012	4	26	14	V	2.3	0.9	4.97	85
401431127	2012	4	26	15	V	1.7	0.7	4.78	72
401431127	2012	4	26	16	V	2.0	0.4	4.82	72
401431127	2012	4	26	17	V	3.6	0.3	5.29	81
401431127	2012	4	26	18	V	3.7	0.2	4.99	71

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	26	19	V	1.5	0.2	4.75	75
401431127	2012	4	26	20	V	2.9	0.1	4.2	73
401431127	2012	4	26	21	V	2.7	0.1	4.63	83
401431127	2012	4	26	22	V	1.4	0.2	3.44	129
401431127	2012	4	26	23	V	1.1	0.3	1.33	144
401431127	2012	4	26	24	V	1.5	0.2	1.42	78
401431127	2012	4	27	1	V	1.3	0.1	2.76	91
401431127	2012	4	27	2	V	0.9	0.1	3.68	117
401431127	2012	4	27	3	V	0.4	0.1	2.89	125
401431127	2012	4	27	4	V	0.5	0.1	3.49	111
401431127	2012	4	27	5	V	1.4	0.1	3.95	111
401431127	2012	4	27	6	V	0.5	0.1	5.09	129
401431127	2012	4	27	7	V	1.1	0.2	4.12	153
401431127	2012	4	27	8	V	3.9	0.2	5.19	148
401431127	2012	4	27	9	V	1.2	0.2	6.31	161
401431127	2012	4	27	10	V	2.4	0.3	7.67	165
401431127	2012	4	27	11	V	1.9	0.4	8.33	166
401431127	2012	4	27	12	V	2.2	0.4	9.97	172
401431127	2012	4	27	13	V	2.3	0.4	8.57	177
401431127	2012	4	27	14	V	2.3	0.4	9.05	186
401431127	2012	4	27	15	V	1.7	0.3	9	180
401431127	2012	4	27	16	V	2.0	0.3	9.15	184
401431127	2012	4	27	17	V	3.6	0.3	8.57	183
401431127	2012	4	27	18	V	3.7	0.3	7.99	182
401431127	2012	4	27	19	V	1.5	0.3	6.45	177
401431127	2012	4	27	20	V	2.9	0.3	4.1	174
401431127	2012	4	27	21	V	2.7	0.2	3.32	183
401431127	2012	4	27	22	V	1.4	0.3	3.22	171
401431127	2012	4	27	23	V	1.1	0.4	3.81	168
401431127	2012	4	27	24	V	1.5	0.3	3.27	164
401431127	2012	4	28	1	V	1.3	0.2	2.66	159
401431127	2012	4	28	2	V	0.9	0.2	2.52	156
401431127	2012	4	28	3	V	0.4	0.2	3.13	161
401431127	2012	4	28	4	V	0.5	0.1	3.44	164
401431127	2012	4	28	5	V	1.4	0.1	4.03	166
401431127	2012	4	28	6	V	0.5	0.2	4.07	165
401431127	2012	4	28	7	V	1.0	0.3	3.88	165
401431127	2012	4	28	8	V	3.9	0.3	3.39	166
401431127	2012	4	28	9	V	1.3	0.2	3.49	161
401431127	2012	4	28	10	V	2.4	0.2	4.7	172
401431127	2012	4	28	11	V	1.9	0.2	5.41	181
401431127	2012	4	28	12	V	2.2	0.2	5.22	173
401431127	2012	4	28	13	V	2.3	0.2	5.58	183
401431127	2012	4	28	14	V	2.3	0.1	4.71	181
401431127	2012	4	28	15	V	1.7	0.2	5.22	174
401431127	2012	4	28	16	V	2.0	0.2	5.24	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	28	17	V	3.6	0.1	3.9	165
401431127	2012	4	28	18	V	3.7	0.1	3.75	159
401431127	2012	4	28	19	V	1.5	0.1	2.88	155
401431127	2012	4	28	20	V	2.9	0.1	2.95	130
401431127	2012	4	28	21	V	2.7	0.1	2.81	103
401431127	2012	4	28	22	V	1.4	0.2	3.12	111
401431127	2012	4	28	23	V	1.1	0.3	2.25	84
401431127	2012	4	28	24	V	1.5	0.2	2.89	136
401431127	2012	4	29	1	V	1.3	0.2	3.06	136
401431127	2012	4	29	2	V	0.9	0.3	2.96	153
401431127	2012	4	29	3	V	0.4	0.2	3.49	155
401431127	2012	4	29	4	V	10.6	0.2	2.4	212
401431127	2012	4	29	5	V	1.5	0.1	0.82	155
401431127	2012	4	29	6	V	0.5	0.1	1.55	79
401431127	2012	4	29	7	V	1.1	0.1	3.18	150
401431127	2012	4	29	8	V	3.9	0.1	3.98	177
401431127	2012	4	29	9	V	1.3	0.1	3.59	181
401431127	2012	4	29	10	V	2.4	0.2	4.8	182
401431127	2012	4	29	11	V	1.9	0.2	5.6	182
401431127	2012	4	29	12	V	2.2	0.1	5.58	188
401431127	2012	4	29	13	V	2.3	0.1	4.27	183
401431127	2012	4	29	14	V	2.3	0.1	4.48	179
401431127	2012	4	29	15	V	1.7	0.2	5.33	180
401431127	2012	4	29	16	V	2.0	0.2	5.11	188
401431127	2012	4	29	17	V	3.6	0.2	4.99	186
401431127	2012	4	29	18	V	3.7	0.1	3.93	172
401431127	2012	4	29	19	V	1.5	0.1	3.66	175
401431127	2012	4	29	20	V	2.9	0.1	3.34	170
401431127	2012	4	29	21	V	2.7	0.1	3.18	163
401431127	2012	4	29	22	V	1.4	0.1	4.17	172
401431127	2012	4	29	23	V	1.1	0.1	2.15	169
401431127	2012	4	29	24	V	1.5	0.1	1.76	153
401431127	2012	4	30	1	V	1.3	0.1	2.01	161
401431127	2012	4	30	2	V	0.9	0.1	1.89	1
401431127	2012	4	30	3	V	6.9	0	2.42	48
401431127	2012	4	30	4	V	0.5	0	5.38	3
401431127	2012	4	30	5	V	3.1	0	3.68	42
401431127	2012	4	30	6	V	0.5	0	2.95	106
401431127	2012	4	30	7	V	1.1	0	2.5	143
401431127	2012	4	30	8	V	4.0	0.1	2.52	162
401431127	2012	4	30	9	V	1.4	0	2.4	172
401431127	2012	4	30	10	V	2.5	0.1	2.66	179
401431127	2012	4	30	11	V	2.0	0.2	2.95	159
401431127	2012	4	30	12	V	2.3	0.2	2.96	178
401431127	2012	4	30	13	V	2.3	0.2	3.49	177
401431127	2012	4	30	14	V	2.3	0.2	4.17	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	4	30	15	V	1.7	0.2	4.19	176
401431127	2012	4	30	16	V	2.0	0.2	5.21	175
401431127	2012	4	30	17	V	3.6	0.1	4.97	169
401431127	2012	4	30	18	V	3.7	0.1	4.83	165
401431127	2012	4	30	19	V	1.5	0.1	4.19	154
401431127	2012	4	30	20	V	2.9	0.1	4.95	148
401431127	2012	4	30	21	V	2.7	0.1	5.36	169
401431127	2012	4	30	22	V	1.4	0.1	5.05	169
401431127	2012	4	30	23	V	1.1	0.1	4.41	169
401431127	2012	4	30	24	V	3.2	0.1	6.77	197
401431127	2012	5	1	1	V	6.3	0.1	5.31	202
401431127	2012	5	1	2	V	2.7	0.3	6.36	197
401431127	2012	5	1	3	V	0.4	0.7	6.74	183
401431127	2012	5	1	4	V	7.5	0.3	6.58	208
401431127	2012	5	1	5	V	1.4	0.2	4.08	165
401431127	2012	5	1	6	V	0.5	0.2	4.17	165
401431127	2012	5	1	7	V	1.0	0.1	7.28	182
401431127	2012	5	1	8	V	3.9	0.2	6.94	185
401431127	2012	5	1	9	V	1.2	0.2	7.42	184
401431127	2012	5	1	10	V	2.4	0.1	7.21	188
401431127	2012	5	1	11	V	1.9	0.1	8.39	186
401431127	2012	5	1	12	V	2.2	0.1	8.47	186
401431127	2012	5	1	13	V	2.3	0.2	7.83	185
401431127	2012	5	1	14	V	2.3	0.2	7.71	180
401431127	2012	5	1	15	V	1.7	0.2	8.73	178
401431127	2012	5	1	16	V	2.0	0.2	8.18	185
401431127	2012	5	1	17	V	3.6	0.2	8.25	187
401431127	2012	5	1	18	V	3.7	0.1	7.23	181
401431127	2012	5	1	19	V	1.5	0.1	5.89	177
401431127	2012	5	1	20	V	2.9	0.1	4.07	166
401431127	2012	5	1	21	V	2.7	0.1	4.22	169
401431127	2012	5	1	22	V	1.4	0.1	5.43	170
401431127	2012	5	1	23	V	1.1	0.4	5.33	166
401431127	2012	5	1	24	V	1.5	0.6	4.92	169
401431127	2012	5	2	1	V	1.3	0.4	5.67	174
401431127	2012	5	2	2	V	0.9	0.3	5.72	180
401431127	2012	5	2	3	V	0.4	0.3	5.55	179
401431127	2012	5	2	4	V	0.5	0.5	5.94	179
401431127	2012	5	2	5	V	1.4	0.6	6.26	178
401431127	2012	5	2	6	V	0.5	0.3	5.43	174
401431127	2012	5	2	7	V	1.0	0.3	6.11	175
401431127	2012	5	2	8	V	3.9	0.4	7.23	176
401431127	2012	5	2	9	V	1.2	0.4	6.99	179
401431127	2012	5	2	10	V	2.4	0.4	7.65	185
401431127	2012	5	2	11	V	1.9	0.4	7.94	185
401431127	2012	5	2	12	V	2.2	0.3	8.06	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	2	13	V	2.3	0.2	7.59	190
401431127	2012	5	2	14	V	2.3	0.2	7.21	187
401431127	2012	5	2	15	V	1.7	0.2	7.11	171
401431127	2012	5	2	16	V	2.0	0.2	6.84	172
401431127	2012	5	2	17	V	3.6	0.1	6.41	172
401431127	2012	5	2	18	V	3.7	0.2	6.52	171
401431127	2012	5	2	19	V	1.5	0.1	5.92	167
401431127	2012	5	2	20	V	2.9	0.1	5.16	167
401431127	2012	5	2	21	V	2.7	0.1	4.32	163
401431127	2012	5	2	22	V	1.4	0.1	4.9	162
401431127	2012	5	2	23	V	1.1	0.1	5.62	165
401431127	2012	5	2	24	V	1.5	0	5.6	166
401431127	2012	5	3	1	V	1.3	0.1	4.2	173
401431127	2012	5	3	2	V	0.9	0.2	3.68	174
401431127	2012	5	3	3	V	0.4	0.3	2.67	165
401431127	2012	5	3	4	V	0.5	0.3	3.05	169
401431127	2012	5	3	5	V	1.4	0.3	2.54	169
401431127	2012	5	3	6	V	0.5	0.3	2.86	165
401431127	2012	5	3	7	V	1.1	0.3	3.18	167
401431127	2012	5	3	8	V	3.9	0.3	4.56	170
401431127	2012	5	3	9	V	1.2	0.4	6.28	183
401431127	2012	5	3	10	V	2.4	0.3	7.13	182
401431127	2012	5	3	11	V	1.9	0.4	7.43	183
401431127	2012	5	3	12	V	2.2	0.4	7.81	187
401431127	2012	5	3	13	V	2.4	0.3	7.84	193
401431127	2012	5	3	14	V	2.4	0.2	7.64	194
401431127	2012	5	3	15	V	1.7	0.4	7.01	189
401431127	2012	5	3	16	V	2.0	0.2	6.79	185
401431127	2012	5	3	17	V	3.6	0.4	7.38	185
401431127	2012	5	3	18	V	3.7	0.2	6.12	178
401431127	2012	5	3	19	V	1.5	0.3	3.86	158
401431127	2012	5	3	20	V	2.9	0.1	4.36	170
401431127	2012	5	3	21	V	2.7	0.2	4.36	167
401431127	2012	5	3	22	V	1.4	0.1	3.51	167
401431127	2012	5	3	23	V	1.1	0.1	2.84	156
401431127	2012	5	3	24	V	1.5	0.1	3.68	166
401431127	2012	5	4	1	V	1.3	0.1	3.91	163
401431127	2012	5	4	2	V	0.9	0.2	3.25	169
401431127	2012	5	4	3	V	0.4	0.1	2.81	166
401431127	2012	5	4	4	V	0.5	0.2	2.62	183
401431127	2012	5	4	5	V	1.4	0.2	2.72	183
401431127	2012	5	4	6	V	0.5	0.2	3.97	184
401431127	2012	5	4	7	V	1.1	0.2	4.02	178
401431127	2012	5	4	8	V	3.9	0.2	5.19	185
401431127	2012	5	4	9	V	1.3	0.3	6.43	192
401431127	2012	5	4	10	V	2.4	0.5	6.06	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	4	11	V	1.9	0.5	6.14	188
401431127	2012	5	4	12	V	2.2	0.4	5.51	183
401431127	2012	5	4	13	V	2.3	0.3	5.89	184
401431127	2012	5	4	14	V	2.4	1.1	4.2	183
401431127	2012	5	4	15	V	1.7	1.8	6.64	161
401431127	2012	5	4	16	V	2.1	0.5	3.52	187
401431127	2012	5	4	17	V	3.6	0.5	4.63	173
401431127	2012	5	4	18	V	3.7	0.5	4.03	149
401431127	2012	5	4	19	V	1.5	0.3	4.49	162
401431127	2012	5	4	20	V	2.9	0.2	4.22	168
401431127	2012	5	4	21	V	2.7	0.2	4.29	161
401431127	2012	5	4	22	V	1.4	0.2	4.15	167
401431127	2012	5	4	23	V	1.1	0.2	3.57	161
401431127	2012	5	4	24	V	1.5	0.2	3.3	157
401431127	2012	5	5	1	V	1.3	0.2	2.69	147
401431127	2012	5	5	2	V	1.0	0.2	1.57	177
401431127	2012	5	5	3	V	6.2	0.2	0.55	206
401431127	2012	5	5	4	V	0.6	0.2	1.16	174
401431127	2012	5	5	5	V	1.4	0.3	1.91	167
401431127	2012	5	5	6	V	0.6	0.2	1.65	159
401431127	2012	5	5	7	V	1.2	0.2	2.25	162
401431127	2012	5	5	8	V	4.0	0.2	3.54	169
401431127	2012	5	5	9	V	1.3	0.3	3.81	174
401431127	2012	5	5	10	V	2.4	0.3	5.48	180
401431127	2012	5	5	11	V	1.9	0.3	6.23	174
401431127	2012	5	5	12	V	2.2	0.2	6.35	159
401431127	2012	5	5	13	V	2.3	0.2	7.3	161
401431127	2012	5	5	14	V	2.3	0.3	7.09	167
401431127	2012	5	5	15	V	1.7	0.3	7.06	166
401431127	2012	5	5	16	V	2.0	0.3	5.97	157
401431127	2012	5	5	17	V	3.6	0.3	5.8	157
401431127	2012	5	5	18	V	3.7	0.3	5.1	159
401431127	2012	5	5	19	V	1.5	0.3	4.29	161
401431127	2012	5	5	20	V	2.9	0.2	3.74	144
401431127	2012	5	5	21	V	2.7	0.2	3.86	153
401431127	2012	5	5	22	V	1.4	0.2	3.39	163
401431127	2012	5	5	23	V	1.1	0.2	2.96	180
401431127	2012	5	5	24	V	1.5	0.2	2.88	171
401431127	2012	5	6	1	V	1.3	0.3	3.05	169
401431127	2012	5	6	2	V	0.9	0.3	2.93	156
401431127	2012	5	6	3	V	0.4	0.4	3.01	160
401431127	2012	5	6	4	V	0.5	0.4	2.71	164
401431127	2012	5	6	5	V	1.4	0.3	2.95	153
401431127	2012	5	6	6	V	0.5	0.3	3.17	162
401431127	2012	5	6	7	V	1.1	0.3	4.22	162
401431127	2012	5	6	8	V	3.9	0.3	4.76	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	6	9	V	1.2	0.3	5.04	166
401431127	2012	5	6	10	V	2.4	0.3	6.02	170
401431127	2012	5	6	11	V	1.9	0.3	6.64	168
401431127	2012	5	6	12	V	2.2	0.2	5.65	172
401431127	2012	5	6	13	V	2.4	0.3	4.82	185
401431127	2012	5	6	14	V	2.3	0.3	5.1	165
401431127	2012	5	6	15	V	1.7	0.3	4.42	151
401431127	2012	5	6	16	V	2.0	0.2	5.05	159
401431127	2012	5	6	17	V	3.6	0.2	4.88	170
401431127	2012	5	6	18	V	3.7	0.2	3.81	159
401431127	2012	5	6	19	V	1.5	0.2	3	147
401431127	2012	5	6	20	V	2.9	0.2	2.5	161
401431127	2012	5	6	21	V	2.7	0.2	1.77	177
401431127	2012	5	6	22	V	1.4	0.2	1.74	166
401431127	2012	5	6	23	V	12.3	0.2	1.06	212
401431127	2012	5	6	24	V	1.7	0.2	0.63	348
401431127	2012	5	7	1	V	1.5	0.2	0.7	329
401431127	2012	5	7	2	V	1.1	0.2	0.89	314
401431127	2012	5	7	3	V	0.6	0.2	0.84	96
401431127	2012	5	7	4	V	0.5	0.2	3.52	82
401431127	2012	5	7	5	V	1.4	0.1	3.78	14
401431127	2012	5	7	6	V	0.5	0.1	4.8	15
401431127	2012	5	7	7	V	1.0	0.1	4.58	15
401431127	2012	5	7	8	V	3.9	0.1	4.32	22
401431127	2012	5	7	9	V	1.8	0.2	4.44	37
401431127	2012	5	7	10	V	2.4	0.2	4.42	12
401431127	2012	5	7	11	V	1.9	0.2	5	19
401431127	2012	5	7	12	V	2.2	0.1	5.6	19
401431127	2012	5	7	13	V	2.3	0.1	4.2	4
401431127	2012	5	7	14	V	2.3	0.1	4.95	3
401431127	2012	5	7	15	V	1.7	0.1	5.33	7
401431127	2012	5	7	16	V	2.0	0.1	6.31	9
401431127	2012	5	7	17	V	3.6	0.1	5.34	7
401431127	2012	5	7	18	V	3.7	0.1	4.27	360
401431127	2012	5	7	19	V	1.5	0.1	4.97	1
401431127	2012	5	7	20	V	2.9	0.1	4.14	1
401431127	2012	5	7	21	V	2.7	0.1	3.49	6
401431127	2012	5	7	22	V	1.4	0.1	2.55	4
401431127	2012	5	7	23	V	1.1	0.1	1.99	5
401431127	2012	5	7	24	V	1.5	0.1	1.82	22
401431127	2012	5	8	1	V	1.3	0.1	2.05	355
401431127	2012	5	8	2	V	0.9	0.1	3.07	5
401431127	2012	5	8	3	V	0.4	0.1	3.95	8
401431127	2012	5	8	4	V	0.5	0.1	4.27	13
401431127	2012	5	8	5	V	1.4	0.1	2.96	14
401431127	2012	5	8	6	V	0.5	0.1	2.37	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	8	7	V	1.2	0.1	2.35	4
401431127	2012	5	8	8	V	3.9	0.2	3.71	9
401431127	2012	5	8	9	V	1.3	0.7	2.89	4
401431127	2012	5	8	10	V	2.5	3.7	2.71	23
401431127	2012	5	8	11	V	2.0	4.1	3.37	21
401431127	2012	5	8	12	V	2.3	5.1	3.64	27
401431127	2012	5	8	13	V	2.3	4	3.49	20
401431127	2012	5	8	14	V	2.3	0.7	4.25	10
401431127	2012	5	8	15	V	1.7	0.5	4.08	2
401431127	2012	5	8	16	V	2.0	0.4	3.29	1
401431127	2012	5	8	17	V	3.6	0.4	3.18	2
401431127	2012	5	8	18	V	3.7	0.4	2.45	360
401431127	2012	5	8	19	V	1.5	0.4	1.94	2
401431127	2012	5	8	20	V	3.1	0.3	0.79	331
401431127	2012	5	8	21	V	3.0	0.4	0.57	250
401431127	2012	5	8	22	V	2.9	0.5	0.53	224
401431127	2012	5	8	23	V	1.5	0.6	0.53	233
401431127	2012	5	8	24	V	1.8	0.3	0.55	180
401431127	2012	5	9	1	V	4.5	0.2	0.6	219
401431127	2012	5	9	2	V	1.2	0.2	0.53	132
401431127	2012	5	9	3	C	-999	0.1	0	0
401431127	2012	5	9	4	V	0.8	0.1	0.65	237
401431127	2012	5	9	5	V	1.6	0.1	0.7	233
401431127	2012	5	9	6	V	2.1	0.3	0.77	196
401431127	2012	5	9	7	V	1.7	0.2	0.75	278
401431127	2012	5	9	8	V	4.4	0.1	1.33	326
401431127	2012	5	9	9	V	1.4	0.2	1.79	306
401431127	2012	5	9	10	V	2.4	0.3	2.91	3
401431127	2012	5	9	11	V	1.9	0.5	2.96	12
401431127	2012	5	9	12	V	2.2	2.8	2.78	10
401431127	2012	5	9	13	V	2.4	0.8	2.55	346
401431127	2012	5	9	14	V	2.3	0.4	3.49	8
401431127	2012	5	9	15	V	1.7	0.4	3.32	2
401431127	2012	5	9	16	V	2.0	0.5	2.86	360
401431127	2012	5	9	17	V	3.6	0.4	2.62	352
401431127	2012	5	9	18	V	3.7	0.3	2.73	14
401431127	2012	5	9	19	V	1.5	0.3	2.4	25
401431127	2012	5	9	20	V	3.0	0.3	1.48	32
401431127	2012	5	9	21	V	2.9	0.2	0.75	341
401431127	2012	5	9	22	V	1.7	0.2	0.63	273
401431127	2012	5	9	23	V	1.2	0.3	0.82	250
401431127	2012	5	9	24	V	1.7	0.3	0.58	282
401431127	2012	5	10	1	V	1.6	0.2	0.52	255
401431127	2012	5	10	2	C	-999	0.2	0	0
401431127	2012	5	10	3	C	-999	0.2	0	0
401431127	2012	5	10	4	C	-999	0.2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	10	5	V	1.7	0.2	0.57	280
401431127	2012	5	10	6	C	-999	0.4	0	0
401431127	2012	5	10	7	C	-999	1	0	0
401431127	2012	5	10	8	V	4.3	1	1.45	171
401431127	2012	5	10	9	V	1.3	0.3	3.18	172
401431127	2012	5	10	10	V	2.4	0.4	3.35	172
401431127	2012	5	10	11	V	2.0	-999	2.83	172
401431127	2012	5	10	12	V	2.3	-999	2.42	174
401431127	2012	5	10	13	V	2.4	-999	2.44	165
401431127	2012	5	10	14	V	2.3	-999	3.34	170
401431127	2012	5	10	15	V	1.7	-999	3.68	170
401431127	2012	5	10	16	V	2.0	-999	3.88	164
401431127	2012	5	10	17	V	3.6	-999	4.54	157
401431127	2012	5	10	18	V	3.7	-999	3.98	159
401431127	2012	5	10	19	V	1.5	-999	3.17	149
401431127	2012	5	10	20	V	2.9	-999	2.67	134
401431127	2012	5	10	21	V	2.7	-999	2.1	127
401431127	2012	5	10	22	V	1.5	-999	1.57	142
401431127	2012	5	10	23	V	1.3	-999	0.69	265
401431127	2012	5	10	24	V	1.6	-999	1.11	227
401431127	2012	5	11	1	C	-999	-999	0	0
401431127	2012	5	11	2	V	1.2	-999	0.52	293
401431127	2012	5	11	3	V	0.8	-999	0.52	306
401431127	2012	5	11	4	C	-999	-999	0	0
401431127	2012	5	11	5	V	1.5	-999	1.52	96
401431127	2012	5	11	6	V	0.5	-999	2.5	126
401431127	2012	5	11	7	V	1.1	-999	2.59	123
401431127	2012	5	11	8	V	4.0	-999	3.25	120
401431127	2012	5	11	9	V	1.3	-999	2.62	116
401431127	2012	5	11	10	V	2.5	-999	2.49	123
401431127	2012	5	11	11	V	1.9	-999	2.79	107
401431127	2012	5	11	12	V	2.2	-999	3.76	146
401431127	2012	5	11	13	V	2.3	-999	3.66	172
401431127	2012	5	11	14	V	2.6	-999	1.38	34
401431127	2012	5	11	15	V	1.8	-999	1.26	353
401431127	2012	5	11	16	V	2.2	-999	2.56	31
401431127	2012	5	11	17	V	3.6	-999	2.83	22
401431127	2012	5	11	18	V	3.7	-999	2.45	10
401431127	2012	5	11	19	V	1.5	-999	2.35	359
401431127	2012	5	11	20	V	2.9	-999	2.05	7
401431127	2012	5	11	21	V	2.7	-999	2.59	22
401431127	2012	5	11	22	V	6.4	-999	2.66	49
401431127	2012	5	11	23	V	1.1	-999	2.96	99
401431127	2012	5	11	24	V	1.5	-999	2.32	111
401431127	2012	5	12	1	V	1.4	-999	1.43	119
401431127	2012	5	12	2	V	1.0	-999	1.26	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	12	3	V	0.7	-999	1.06	35
401431127	2012	5	12	4	V	0.6	-999	1.23	3
401431127	2012	5	12	5	V	1.5	-999	1.23	13
401431127	2012	5	12	6	V	0.6	-999	1.01	2
401431127	2012	5	12	7	V	1.5	-999	0.74	333
401431127	2012	5	12	8	V	4.0	-999	2.23	5
401431127	2012	5	12	9	V	1.3	-999	2.52	7
401431127	2012	5	12	10	V	2.5	-999	2.39	360
401431127	2012	5	12	11	V	2.0	-999	2.54	8
401431127	2012	5	12	12	V	2.2	-999	2.18	357
401431127	2012	5	12	13	V	2.4	-999	2.11	331
401431127	2012	5	12	14	V	2.4	-999	2.08	338
401431127	2012	5	12	15	V	1.7	-999	2.33	341
401431127	2012	5	12	16	V	2.0	-999	2.62	342
401431127	2012	5	12	17	V	3.7	-999	1.91	337
401431127	2012	5	12	18	V	3.7	-999	1.91	340
401431127	2012	5	12	19	V	1.6	-999	1.96	354
401431127	2012	5	12	20	V	2.9	-999	2.4	359
401431127	2012	5	12	21	V	2.7	-999	2.21	359
401431127	2012	5	12	22	V	1.4	-999	1.91	355
401431127	2012	5	12	23	V	1.1	-999	1.89	357
401431127	2012	5	12	24	V	1.5	-999	1.94	351
401431127	2012	5	13	1	V	1.3	-999	1.84	353
401431127	2012	5	13	2	V	0.9	-999	3	5
401431127	2012	5	13	3	V	0.4	-999	3.39	4
401431127	2012	5	13	4	V	0.5	-999	3.54	6
401431127	2012	5	13	5	V	1.4	-999	3.59	2
401431127	2012	5	13	6	V	0.5	-999	4.19	9
401431127	2012	5	13	7	V	1.1	-999	3.78	18
401431127	2012	5	13	8	V	4.0	-999	2.59	7
401431127	2012	5	13	9	V	1.3	-999	2.45	10
401431127	2012	5	13	10	V	2.5	-999	2.18	339
401431127	2012	5	13	11	V	1.9	-999	3.05	359
401431127	2012	5	13	12	V	2.2	-999	3.08	1
401431127	2012	5	13	13	V	2.3	-999	3.47	5
401431127	2012	5	13	14	V	2.3	-999	3.61	3
401431127	2012	5	13	15	V	1.7	-999	3.98	7
401431127	2012	5	13	16	V	2.0	-999	3.8	15
401431127	2012	5	13	17	V	3.6	-999	3.88	21
401431127	2012	5	13	18	V	3.7	-999	3.64	14
401431127	2012	5	13	19	V	1.5	-999	3.08	9
401431127	2012	5	13	20	V	2.9	-999	1.55	356
401431127	2012	5	13	21	V	2.9	-999	0.82	339
401431127	2012	5	13	22	V	1.6	-999	0.75	328
401431127	2012	5	13	23	C	-999	-999	0	0
401431127	2012	5	13	24	C	-999	-999	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	14	1	V	1.6	-999	0.6	246
401431127	2012	5	14	2	C	-999	-999	0	0
401431127	2012	5	14	3	C	-999	-999	0	0
401431127	2012	5	14	4	V	5.0	-999	0.53	211
401431127	2012	5	14	5	C	-999	-999	0	0
401431127	2012	5	14	6	V	0.8	-999	0.62	233
401431127	2012	5	14	7	V	1.8	-999	0.72	331
401431127	2012	5	14	8	V	4.7	-999	1.71	26
401431127	2012	5	14	9	V	1.4	-999	1.82	9
401431127	2012	5	14	10	V	2.5	-999	2.56	12
401431127	2012	5	14	11	V	2.0	-999	2.86	18
401431127	2012	5	14	12	V	2.2	-999	3.27	13
401431127	2012	5	14	13	V	2.3	-999	3.88	17
401431127	2012	5	14	14	V	2.3	-999	3.3	6
401431127	2012	5	14	15	V	1.7	0.2	3.13	16
401431127	2012	5	14	16	V	2.0	0.2	3.81	23
401431127	2012	5	14	17	V	3.6	0.3	3.17	10
401431127	2012	5	14	18	V	3.7	0.2	2.38	19
401431127	2012	5	14	19	V	1.6	0.2	1.94	13
401431127	2012	5	14	20	V	3.0	0.2	0.99	350
401431127	2012	5	14	21	V	2.9	0.3	0.69	292
401431127	2012	5	14	22	C	-999	0.5	0	0
401431127	2012	5	14	23	C	-999	0.3	0	0
401431127	2012	5	14	24	C	-999	0.5	0	0
401431127	2012	5	15	1	V	1.6	0.4	0.55	258
401431127	2012	5	15	2	V	1.2	0.3	0.52	275
401431127	2012	5	15	3	V	0.6	0.2	0.69	249
401431127	2012	5	15	4	V	0.9	0.3	0.57	233
401431127	2012	5	15	5	V	1.7	0.3	0.58	304
401431127	2012	5	15	6	V	0.7	0.4	0.75	253
401431127	2012	5	15	7	C	-999	0.7	0	0
401431127	2012	5	15	8	V	4.7	2.1	0.6	191
401431127	2012	5	15	9	V	1.5	5	1.45	158
401431127	2012	5	15	10	V	2.5	1.6	1.82	128
401431127	2012	5	15	11	V	2.1	5.2	1.55	192
401431127	2012	5	15	12	V	2.3	2.6	1.67	235
401431127	2012	5	15	13	V	2.4	2.3	1.84	54
401431127	2012	5	15	14	V	2.5	1.5	2.33	37
401431127	2012	5	15	15	V	1.8	1.2	2.44	24
401431127	2012	5	15	16	V	2.1	1.1	1.84	50
401431127	2012	5	15	17	V	3.7	1.1	1.64	11
401431127	2012	5	15	18	V	3.8	1	1.3	339
401431127	2012	5	15	19	V	1.5	0.8	2.61	145
401431127	2012	5	15	20	V	3.0	1.3	1.65	183
401431127	2012	5	15	21	V	3.0	0.7	0.53	258
401431127	2012	5	15	22	V	1.6	0.5	0.67	243

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	15	23	V	1.4	0.4	0.55	253
401431127	2012	5	15	24	V	1.7	0.4	0.72	259
401431127	2012	5	16	1	V	1.6	0.4	0.58	248
401431127	2012	5	16	2	V	8.8	0.3	0.8	211
401431127	2012	5	16	3	V	0.7	0.2	0.79	185
401431127	2012	5	16	4	C	-999	0.1	0	0
401431127	2012	5	16	5	C	-999	0.2	0	0
401431127	2012	5	16	6	V	0.8	0.3	0.55	238
401431127	2012	5	16	7	C	-999	0.4	0	0
401431127	2012	5	16	8	V	5.2	0.4	0.7	160
401431127	2012	5	16	9	V	3.9	0.5	1.79	216
401431127	2012	5	16	10	V	3.2	0.5	2.11	215
401431127	2012	5	16	11	V	2.2	4.2	2.18	190
401431127	2012	5	16	12	V	2.5	4.5	2.06	197
401431127	2012	5	16	13	V	2.5	3.6	1.98	180
401431127	2012	5	16	14	V	2.5	2.7	2.4	184
401431127	2012	5	16	15	V	1.9	2.1	2.11	209
401431127	2012	5	16	16	V	2.2	2	1.94	198
401431127	2012	5	16	17	V	3.8	1.9	2.05	232
401431127	2012	5	16	18	V	4.0	1.6	2.15	212
401431127	2012	5	16	19	V	1.5	1.1	3.07	184
401431127	2012	5	16	20	V	7.7	0.6	1.77	201
401431127	2012	5	16	21	V	3.0	0.3	0.87	228
401431127	2012	5	16	22	V	1.7	0.3	0.63	258
401431127	2012	5	16	23	C	-999	0.3	0	0
401431127	2012	5	16	24	V	1.7	0.3	0.62	287
401431127	2012	5	17	1	V	1.6	0.2	0.53	272
401431127	2012	5	17	2	V	1.2	0.2	0.6	320
401431127	2012	5	17	3	V	0.7	0.2	0.52	272
401431127	2012	5	17	4	V	0.8	0.1	0.53	272
401431127	2012	5	17	5	V	1.7	0.1	0.55	254
401431127	2012	5	17	6	V	0.8	0.4	0.53	260
401431127	2012	5	17	7	V	3.8	0.9	0.66	195
401431127	2012	5	17	8	V	4.2	0.7	1.6	149
401431127	2012	5	17	9	V	1.6	7.9	1.77	180
401431127	2012	5	17	10	V	2.9	7.1	2.35	189
401431127	2012	5	17	11	V	2.3	6.3	3.1	200
401431127	2012	5	17	12	V	2.2	0.8	4.49	182
401431127	2012	5	17	13	V	2.4	0.4	4.6	183
401431127	2012	5	17	14	V	2.3	0.4	4.85	182
401431127	2012	5	17	15	V	1.7	0.3	4.9	186
401431127	2012	5	17	16	V	2.0	0.2	4.99	179
401431127	2012	5	17	17	V	3.6	0.3	5.39	175
401431127	2012	5	17	18	V	3.7	0.2	5.26	161
401431127	2012	5	17	19	V	1.5	0.2	4.26	165
401431127	2012	5	17	20	V	2.9	0.2	3.4	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	17	21	V	2.7	0.2	3.27	171
401431127	2012	5	17	22	V	1.4	0.2	2.69	183
401431127	2012	5	17	23	V	1.1	0.4	2.2	188
401431127	2012	5	17	24	V	2.1	0.9	2.11	197
401431127	2012	5	18	1	V	1.6	0.8	2.28	195
401431127	2012	5	18	2	V	2.2	0.7	1.2	197
401431127	2012	5	18	3	V	8.9	0.6	1.04	214
401431127	2012	5	18	4	V	5.7	0.6	0.6	214
401431127	2012	5	18	5	V	1.6	0.9	0.86	159
401431127	2012	5	18	6	V	0.7	1.7	0.99	185
401431127	2012	5	18	7	V	1.3	2.2	1.62	159
401431127	2012	5	18	8	V	4.1	1.8	2.22	169
401431127	2012	5	18	9	V	1.3	1.3	4.75	189
401431127	2012	5	18	10	V	2.5	1.6	5.94	191
401431127	2012	5	18	11	V	1.9	0.7	6.52	190
401431127	2012	5	18	12	V	2.2	0.5	7.86	178
401431127	2012	5	18	13	V	2.3	0.3	7.01	170
401431127	2012	5	18	14	V	2.3	0.3	7.42	173
401431127	2012	5	18	15	V	1.7	0.2	7.69	173
401431127	2012	5	18	16	V	2.0	0.2	7.32	168
401431127	2012	5	18	17	V	3.6	0.2	8.13	170
401431127	2012	5	18	18	V	3.7	0.2	7.48	170
401431127	2012	5	18	19	V	1.5	0.2	5.97	169
401431127	2012	5	18	20	V	2.9	0.1	4.85	166
401431127	2012	5	18	21	V	2.7	0.1	4.78	167
401431127	2012	5	18	22	V	1.4	0.3	4.9	167
401431127	2012	5	18	23	V	1.1	0.3	4.7	166
401431127	2012	5	18	24	V	1.5	0.9	4.17	168
401431127	2012	5	19	1	V	1.3	1.1	4.05	178
401431127	2012	5	19	2	V	0.9	0.9	3.37	182
401431127	2012	5	19	3	V	0.4	0.6	3.12	167
401431127	2012	5	19	4	V	0.5	0.4	3.24	162
401431127	2012	5	19	5	V	1.4	0.3	3.47	164
401431127	2012	5	19	6	V	0.5	0.3	4.56	167
401431127	2012	5	19	7	V	1.1	0.5	4.41	171
401431127	2012	5	19	8	V	3.9	0.5	4.65	171
401431127	2012	5	19	9	V	1.3	0.6	4.44	172
401431127	2012	5	19	10	V	2.4	0.7	5.62	177
401431127	2012	5	19	11	V	1.9	0.4	7.2	167
401431127	2012	5	19	12	V	2.2	0.3	8.93	167
401431127	2012	5	19	13	V	2.3	0.2	9.19	168
401431127	2012	5	19	14	V	2.3	0.2	9.32	165
401431127	2012	5	19	15	V	1.7	0.2	9.51	167
401431127	2012	5	19	16	V	2.0	0.2	9.36	168
401431127	2012	5	19	17	V	3.6	0.4	8	167
401431127	2012	5	19	18	V	3.7	0.2	7.33	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	19	19	V	1.5	0.2	5.28	169
401431127	2012	5	19	20	V	2.9	0.1	3.75	179
401431127	2012	5	19	21	V	2.8	0.2	2.28	189
401431127	2012	5	19	22	V	4.8	0.2	1.38	200
401431127	2012	5	19	23	V	1.1	0.8	5.14	178
401431127	2012	5	19	24	V	1.5	1	4.15	183
401431127	2012	5	20	1	V	1.3	1.8	3.46	184
401431127	2012	5	20	2	V	0.9	1.6	3.39	179
401431127	2012	5	20	3	V	0.4	1.2	5.53	171
401431127	2012	5	20	4	V	1.9	1	5.41	196
401431127	2012	5	20	5	V	1.4	1	2.1	286
401431127	2012	5	20	6	V	0.6	0.3	1.52	79
401431127	2012	5	20	7	V	1.2	0.5	1.77	171
401431127	2012	5	20	8	V	7.2	0.3	1.14	218
401431127	2012	5	20	9	V	1.8	1.9	2.1	231
401431127	2012	5	20	10	V	2.5	1.1	2.37	258
401431127	2012	5	20	11	V	1.9	0.2	2.74	263
401431127	2012	5	20	12	V	2.2	0.1	3	295
401431127	2012	5	20	13	V	2.3	0.1	2.79	299
401431127	2012	5	20	14	V	2.4	0.1	3.01	311
401431127	2012	5	20	15	V	1.7	0.1	2.71	286
401431127	2012	5	20	16	V	2.1	0.1	1.87	343
401431127	2012	5	20	17	V	3.7	0.1	1.65	288
401431127	2012	5	20	18	V	3.9	0.1	1.21	253
401431127	2012	5	20	19	V	1.5	0.1	0.97	271
401431127	2012	5	20	20	V	3.0	0.1	1.35	242
401431127	2012	5	20	21	V	2.7	0.1	1.81	248
401431127	2012	5	20	22	V	1.5	0.1	0.99	247
401431127	2012	5	20	23	V	1.3	0	0.67	275
401431127	2012	5	20	24	V	1.8	0	0.57	343
401431127	2012	5	21	1	V	1.4	0	1.09	355
401431127	2012	5	21	2	V	1.0	0	1.48	356
401431127	2012	5	21	3	V	0.5	0	1.25	334
401431127	2012	5	21	4	V	0.6	0	1.79	343
401431127	2012	5	21	5	V	1.4	0	1.69	350
401431127	2012	5	21	6	V	0.6	0	1.55	358
401431127	2012	5	21	7	V	1.2	0	2.06	10
401431127	2012	5	21	8	V	4.0	0.1	2.83	22
401431127	2012	5	21	9	V	2.0	0.2	3.83	35
401431127	2012	5	21	10	V	2.4	3.7	4.34	22
401431127	2012	5	21	11	V	1.9	-999	4.15	16
401431127	2012	5	21	12	V	2.2	-999	4.05	13
401431127	2012	5	21	13	V	2.3	0.1	3.46	15
401431127	2012	5	21	14	V	2.3	0	3.75	16
401431127	2012	5	21	15	V	1.7	0	3.93	12
401431127	2012	5	21	16	V	2.0	0	3.97	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	21	17	V	3.7	0.1	4.12	27
401431127	2012	5	21	18	V	3.7	0.1	3.58	11
401431127	2012	5	21	19	V	1.5	0.2	3.61	33
401431127	2012	5	21	20	V	2.9	1	2.38	28
401431127	2012	5	21	21	V	2.8	0.3	0.94	10
401431127	2012	5	21	22	V	1.6	0.2	0.89	353
401431127	2012	5	21	23	V	1.4	0.3	0.52	266
401431127	2012	5	21	24	V	1.7	0.2	0.72	251
401431127	2012	5	22	1	V	1.6	0.1	0.58	265
401431127	2012	5	22	2	C	-999	0	0	0
401431127	2012	5	22	3	V	0.7	0	0.7	302
401431127	2012	5	22	4	V	0.6	0	1.64	304
401431127	2012	5	22	5	V	1.6	0	0.89	298
401431127	2012	5	22	6	V	0.8	0.1	0.58	260
401431127	2012	5	22	7	V	2.2	0.4	0.6	134
401431127	2012	5	22	8	V	4.1	0.4	2.22	99
401431127	2012	5	22	9	V	1.3	0.2	3.81	124
401431127	2012	5	22	10	V	2.4	1.1	3.54	144
401431127	2012	5	22	11	V	1.9	1.1	3.64	169
401431127	2012	5	22	12	V	2.2	0.4	3.17	168
401431127	2012	5	22	13	V	2.4	0.2	3	167
401431127	2012	5	22	14	V	2.4	0.1	3.32	175
401431127	2012	5	22	15	V	1.7	0.1	3.68	168
401431127	2012	5	22	16	V	2.0	0.1	3.98	156
401431127	2012	5	22	17	V	3.6	0.1	4.1	158
401431127	2012	5	22	18	V	3.7	0.1	4.16	158
401431127	2012	5	22	19	V	1.5	0.1	3.81	160
401431127	2012	5	22	20	V	2.9	0	2.91	148
401431127	2012	5	22	21	V	2.7	0.1	2.74	148
401431127	2012	5	22	22	V	1.4	0.1	2.52	144
401431127	2012	5	22	23	V	1.1	0.1	2.84	150
401431127	2012	5	22	24	V	1.5	0	2.45	155
401431127	2012	5	23	1	V	1.3	0	2.42	174
401431127	2012	5	23	2	V	0.9	0.1	3.52	170
401431127	2012	5	23	3	V	0.4	0.1	3.15	164
401431127	2012	5	23	4	V	0.5	0.1	3.86	170
401431127	2012	5	23	5	V	1.4	0.2	3.51	169
401431127	2012	5	23	6	V	0.5	0.2	3.54	173
401431127	2012	5	23	7	V	1.1	0.3	4.12	169
401431127	2012	5	23	8	V	3.9	0.3	5.75	168
401431127	2012	5	23	9	V	1.2	0.4	6.91	166
401431127	2012	5	23	10	V	2.4	0.5	7.09	168
401431127	2012	5	23	11	V	1.9	0.5	7.3	176
401431127	2012	5	23	12	V	2.2	0.5	8.1	173
401431127	2012	5	23	13	V	2.3	0.4	8.96	173
401431127	2012	5	23	14	V	2.3	0.3	9.18	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	23	15	V	1.7	0.4	9.25	164
401431127	2012	5	23	16	V	2.0	0.4	9.56	164
401431127	2012	5	23	17	V	3.6	0.5	9.39	164
401431127	2012	5	23	18	V	3.7	0.5	8.13	165
401431127	2012	5	23	19	V	1.5	0.6	7.28	168
401431127	2012	5	23	20	V	2.9	0.1	6.11	168
401431127	2012	5	23	21	V	2.7	0.1	5.07	165
401431127	2012	5	23	22	V	1.4	0.7	5.31	162
401431127	2012	5	23	23	V	1.1	1.1	5.39	164
401431127	2012	5	23	24	V	1.5	0.9	5.16	162
401431127	2012	5	24	1	V	1.3	0.6	5.51	166
401431127	2012	5	24	2	V	0.9	0.5	6.35	167
401431127	2012	5	24	3	V	0.4	0.6	6.84	169
401431127	2012	5	24	4	V	0.5	0.5	6.65	169
401431127	2012	5	24	5	V	1.4	0.4	6.77	166
401431127	2012	5	24	6	V	0.5	0.4	6.86	169
401431127	2012	5	24	7	V	1.0	0.4	7.43	172
401431127	2012	5	24	8	V	3.9	0.3	7.4	177
401431127	2012	5	24	9	V	1.2	0.2	7.91	181
401431127	2012	5	24	10	V	2.4	0.2	8.15	183
401431127	2012	5	24	11	V	1.9	0.2	8.01	181
401431127	2012	5	24	12	V	2.2	0.2	7.38	180
401431127	2012	5	24	13	V	2.3	0.1	6.94	175
401431127	2012	5	24	14	V	2.3	0.1	6.97	181
401431127	2012	5	24	15	V	1.7	-999	6.79	180
401431127	2012	5	24	16	V	2.0	-999	6.52	182
401431127	2012	5	24	17	V	3.6	-999	6.11	174
401431127	2012	5	24	18	V	3.7	-999	5.43	166
401431127	2012	5	24	19	V	1.5	-999	4.82	161
401431127	2012	5	24	20	V	2.9	-999	4.27	163
401431127	2012	5	24	21	V	2.7	-999	3.59	167
401431127	2012	5	24	22	V	1.4	-999	2.62	157
401431127	2012	5	24	23	V	1.1	-999	2.37	149
401431127	2012	5	24	24	V	1.5	-999	2.98	149
401431127	2012	5	25	1	V	1.3	-999	3.1	144
401431127	2012	5	25	2	V	0.9	-999	2.73	138
401431127	2012	5	25	3	V	0.4	-999	3.73	148
401431127	2012	5	25	4	V	0.5	-999	3.71	146
401431127	2012	5	25	5	V	1.4	-999	4.09	159
401431127	2012	5	25	6	V	0.5	-999	4.17	158
401431127	2012	5	25	7	V	1.1	-999	4.48	159
401431127	2012	5	25	8	V	3.9	-999	5.77	163
401431127	2012	5	25	9	V	1.2	-999	6.89	169
401431127	2012	5	25	10	V	2.4	-999	6.38	171
401431127	2012	5	25	11	V	1.9	-999	6.13	162
401431127	2012	5	25	12	V	2.2	-999	6.6	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	25	13	V	2.3	-999	6.23	158
401431127	2012	5	25	14	V	2.3	-999	7.01	158
401431127	2012	5	25	15	V	1.7	-999	7.04	160
401431127	2012	5	25	16	V	2.0	-999	8	161
401431127	2012	5	25	17	V	3.6	-999	7.82	160
401431127	2012	5	25	18	V	3.7	-999	7.62	169
401431127	2012	5	25	19	V	1.5	-999	6.36	168
401431127	2012	5	25	20	V	2.9	-999	5.29	170
401431127	2012	5	25	21	V	2.7	-999	4.03	166
401431127	2012	5	25	22	V	1.4	-999	3.97	172
401431127	2012	5	25	23	V	1.1	-999	3.34	167
401431127	2012	5	25	24	V	1.5	-999	2.93	169
401431127	2012	5	26	1	V	1.3	-999	2.74	162
401431127	2012	5	26	2	V	0.9	-999	3.25	159
401431127	2012	5	26	3	V	0.4	-999	3.01	167
401431127	2012	5	26	4	V	0.5	-999	3.07	174
401431127	2012	5	26	5	V	1.9	-999	1.89	196
401431127	2012	5	26	6	V	0.5	-999	2.57	172
401431127	2012	5	26	7	V	1.1	-999	3.56	171
401431127	2012	5	26	8	V	3.9	-999	6.24	180
401431127	2012	5	26	9	V	1.2	-999	6.67	183
401431127	2012	5	26	10	V	2.4	-999	6.94	183
401431127	2012	5	26	11	V	1.9	-999	6.18	183
401431127	2012	5	26	12	V	2.2	-999	6.58	184
401431127	2012	5	26	13	V	2.3	-999	6.79	176
401431127	2012	5	26	14	V	2.3	-999	6.55	170
401431127	2012	5	26	15	V	1.7	-999	6.43	167
401431127	2012	5	26	16	V	2.0	-999	5.73	169
401431127	2012	5	26	17	V	3.6	-999	7.35	173
401431127	2012	5	26	18	V	3.7	-999	5.92	167
401431127	2012	5	26	19	V	1.5	-999	5.29	167
401431127	2012	5	26	20	V	2.9	-999	5.21	175
401431127	2012	5	26	21	V	2.7	-999	3.76	173
401431127	2012	5	26	22	V	1.4	-999	3.95	168
401431127	2012	5	26	23	V	1.1	-999	3.68	170
401431127	2012	5	26	24	V	1.5	-999	3.18	173
401431127	2012	5	27	1	V	1.3	-999	3.9	169
401431127	2012	5	27	2	V	0.9	-999	4.36	164
401431127	2012	5	27	3	V	0.4	-999	4.2	169
401431127	2012	5	27	4	V	0.5	-999	3.22	172
401431127	2012	5	27	5	V	1.4	-999	3.57	162
401431127	2012	5	27	6	V	0.5	-999	3.3	169
401431127	2012	5	27	7	V	1.1	-999	4.09	170
401431127	2012	5	27	8	V	3.9	-999	6.11	178
401431127	2012	5	27	9	V	1.2	-999	7.25	186
401431127	2012	5	27	10	V	2.4	-999	7.99	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	27	11	V	1.9	-999	8.15	181
401431127	2012	5	27	12	V	2.2	-999	8.17	180
401431127	2012	5	27	13	V	2.3	-999	8.05	183
401431127	2012	5	27	14	V	2.3	-999	7.47	186
401431127	2012	5	27	15	V	1.7	-999	6.96	186
401431127	2012	5	27	16	V	2.0	-999	7.11	191
401431127	2012	5	27	17	V	3.6	-999	6.06	179
401431127	2012	5	27	18	V	3.7	-999	5.72	172
401431127	2012	5	27	19	V	1.5	-999	5.97	175
401431127	2012	5	27	20	V	2.9	-999	4.63	169
401431127	2012	5	27	21	V	2.7	-999	4.44	171
401431127	2012	5	27	22	V	1.4	-999	4.73	171
401431127	2012	5	27	23	V	1.1	-999	4.87	168
401431127	2012	5	27	24	V	1.5	-999	4.46	172
401431127	2012	5	28	1	V	1.3	-999	3.71	166
401431127	2012	5	28	2	V	0.9	-999	2.93	162
401431127	2012	5	28	3	V	0.4	-999	3.27	167
401431127	2012	5	28	4	V	0.7	-999	1.5	190
401431127	2012	5	28	5	V	4.9	-999	0.91	200
401431127	2012	5	28	6	V	0.6	-999	1.77	189
401431127	2012	5	28	7	V	1.1	-999	4.09	188
401431127	2012	5	28	8	V	4.0	-999	5.05	190
401431127	2012	5	28	9	V	1.3	-999	6.16	189
401431127	2012	5	28	10	V	2.6	-999	6.94	197
401431127	2012	5	28	11	V	2.8	-999	6.02	209
401431127	2012	5	28	12	V	2.7	-999	5.43	213
401431127	2012	5	28	13	V	2.9	-999	5.1	212
401431127	2012	5	28	14	V	2.8	-999	4.92	208
401431127	2012	5	28	15	V	2.2	-999	4.95	208
401431127	2012	5	28	16	V	2.4	-999	5.09	201
401431127	2012	5	28	17	V	3.9	-999	5.17	197
401431127	2012	5	28	18	V	4.3	-999	4.02	205
401431127	2012	5	28	19	V	1.5	-999	4.46	172
401431127	2012	5	28	20	V	2.9	-999	3.88	168
401431127	2012	5	28	21	V	2.7	-999	3.86	167
401431127	2012	5	28	22	V	1.4	-999	4.56	178
401431127	2012	5	28	23	V	4.6	-999	5.44	200
401431127	2012	5	28	24	V	1.5	-999	2.93	259
401431127	2012	5	29	1	V	1.3	-999	1.84	356
401431127	2012	5	29	2	V	1.0	-999	1.28	325
401431127	2012	5	29	3	V	0.5	-999	1.04	277
401431127	2012	5	29	4	V	0.6	-999	0.86	302
401431127	2012	5	29	5	V	1.5	-999	1.09	341
401431127	2012	5	29	6	V	1.7	-999	0.75	47
401431127	2012	5	29	7	V	2.0	-999	1.31	186
401431127	2012	5	29	8	V	4.4	-999	2.03	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	29	9	V	1.4	-999	1.87	169
401431127	2012	5	29	10	V	2.6	-999	2.61	183
401431127	2012	5	29	11	V	2.1	-999	2.57	184
401431127	2012	5	29	12	V	2.4	-999	2.57	190
401431127	2012	5	29	13	V	2.6	-999	2.18	221
401431127	2012	5	29	14	V	2.4	-999	2.2	173
401431127	2012	5	29	15	V	1.8	-999	2.54	181
401431127	2012	5	29	16	V	2.0	-999	2.73	154
401431127	2012	5	29	17	V	3.6	-999	3.9	175
401431127	2012	5	29	18	V	3.7	-999	4.34	173
401431127	2012	5	29	19	V	1.5	-999	3.25	172
401431127	2012	5	29	20	V	3.0	-999	3.03	231
401431127	2012	5	29	21	V	2.7	-999	4.44	257
401431127	2012	5	29	22	V	1.4	-999	3.12	164
401431127	2012	5	29	23	V	1.4	-999	5.73	191
401431127	2012	5	29	24	V	1.5	-999	3.44	146
401431127	2012	5	30	1	V	1.3	-999	3.01	152
401431127	2012	5	30	2	V	0.9	-999	1.62	140
401431127	2012	5	30	3	V	4.2	-999	1.4	49
401431127	2012	5	30	4	V	0.5	-999	2.66	19
401431127	2012	5	30	5	V	1.4	-999	3.37	31
401431127	2012	5	30	6	V	0.5	-999	3.71	56
401431127	2012	5	30	7	V	1.1	-999	4.29	64
401431127	2012	5	30	8	V	3.9	-999	3.92	89
401431127	2012	5	30	9	V	1.3	-999	4.31	114
401431127	2012	5	30	10	V	2.4	-999	4.17	117
401431127	2012	5	30	11	V	1.9	-999	4.93	92
401431127	2012	5	30	12	V	2.2	-999	4.61	138
401431127	2012	5	30	13	V	2.3	-999	4.05	154
401431127	2012	5	30	14	V	2.3	-999	4.1	135
401431127	2012	5	30	15	V	1.7	-999	4.41	149
401431127	2012	5	30	16	V	2.0	-999	3.97	152
401431127	2012	5	30	17	V	3.6	-999	3.9	154
401431127	2012	5	30	18	V	3.7	-999	4.24	168
401431127	2012	5	30	19	V	1.5	-999	3.57	179
401431127	2012	5	30	20	V	4.1	-999	1.64	221
401431127	2012	5	30	21	V	16.9	-999	1.35	212
401431127	2012	5	30	22	V	1.4	-999	1.93	184
401431127	2012	5	30	23	V	13.1	-999	1.28	213
401431127	2012	5	30	24	V	1.5	-999	3.12	291
401431127	2012	5	31	1	V	1.3	-999	3.81	4
401431127	2012	5	31	2	V	2.9	-999	1.72	52
401431127	2012	5	31	3	V	0.4	-999	4.24	81
401431127	2012	5	31	4	V	0.5	-999	2.69	356
401431127	2012	5	31	5	V	1.4	-999	2.52	315
401431127	2012	5	31	6	V	0.5	-999	3.03	329

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	5	31	7	V	1.1	-999	3.69	344
401431127	2012	5	31	8	V	3.9	-999	3.54	346
401431127	2012	5	31	9	V	1.3	-999	4.2	355
401431127	2012	5	31	10	V	2.4	-999	6.04	6
401431127	2012	5	31	11	V	1.9	-999	6.14	1
401431127	2012	5	31	12	V	2.2	-999	5.41	359
401431127	2012	5	31	13	V	2.3	-999	5.84	358
401431127	2012	5	31	14	V	2.3	-999	6.06	1
401431127	2012	5	31	15	V	1.7	-999	5.6	355
401431127	2012	5	31	16	V	2.0	-999	4.78	353
401431127	2012	5	31	17	V	3.6	-999	5.24	3
401431127	2012	5	31	18	V	3.7	-999	5.24	359
401431127	2012	5	31	19	V	1.5	-999	5.51	2
401431127	2012	5	31	20	V	2.9	-999	3.59	357
401431127	2012	5	31	21	V	2.7	-999	2.06	3
401431127	2012	5	31	22	V	1.4	-999	1.98	360
401431127	2012	5	31	23	V	1.1	-999	1.88	352
401431127	2012	5	31	24	V	1.5	-999	2.23	359
401431127	2012	6	1	1	V	5.5	-999	2.27	355
401431127	2012	6	1	2	V	2.6	-999	2.45	359
401431127	2012	6	1	3	V	4.4	-999	1.67	338
401431127	2012	6	1	4	V	0.7	-999	1.89	342
401431127	2012	6	1	5	V	0.6	-999	2.03	6
401431127	2012	6	1	6	V	8.3	-999	2.69	15
401431127	2012	6	1	7	V	0.8	-999	2.91	16
401431127	2012	6	1	8	V	1.2	-999	3.22	18
401431127	2012	6	1	9	V	1.4	-999	3.3	25
401431127	2012	6	1	10	V	1.0	-999	2.71	7
401431127	2012	6	1	11	V	1.6	-999	3.39	27
401431127	2012	6	1	12	V	2.3	-999	2.16	338
401431127	2012	6	1	13	V	2.5	-999	1.43	331
401431127	2012	6	1	14	V	3.2	-999	1.28	322
401431127	2012	6	1	15	V	2.2	-999	1.04	344
401431127	2012	6	1	16	V	2.5	-999	1.88	93
401431127	2012	6	1	17	V	2.2	0.3	2.2	123
401431127	2012	6	1	18	V	5.8	0.2	2.33	182
401431127	2012	6	1	19	V	1.5	0.2	2.84	168
401431127	2012	6	1	20	V	1.9	0.1	2.72	164
401431127	2012	6	1	21	V	1.4	0.1	2.5	173
401431127	2012	6	1	22	V	1.0	0.1	1.76	159
401431127	2012	6	1	23	V	0.7	0.1	1.6	63
401431127	2012	6	1	24	V	4.0	0	1.38	52
401431127	2012	6	2	1	V	5.5	0	1.98	30
401431127	2012	6	2	2	V	3.2	0	0.89	193
401431127	2012	6	2	3	V	4.4	0	0.87	250
401431127	2012	6	2	4	V	1.0	0.1	0.55	283

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	2	5	V	0.9	0	0.52	324
401431127	2012	6	2	6	V	9.4	0	0.77	43
401431127	2012	6	2	7	V	1.0	0.1	1.64	139
401431127	2012	6	2	8	V	1.4	0.1	1.79	161
401431127	2012	6	2	9	V	1.9	0.1	1.98	186
401431127	2012	6	2	10	V	1.2	0.2	2.44	184
401431127	2012	6	2	11	V	1.7	3.6	2.23	182
401431127	2012	6	2	12	V	5.4	4.6	2.03	213
401431127	2012	6	2	13	V	2.6	1.9	1.76	276
401431127	2012	6	2	14	V	3.2	1.1	1.48	290
401431127	2012	6	2	15	V	2.1	0.7	1.64	268
401431127	2012	6	2	16	V	2.6	0.7	1.67	5
401431127	2012	6	2	17	V	2.3	1	1.59	74
401431127	2012	6	2	18	V	5.8	1.4	2.76	113
401431127	2012	6	2	19	V	1.5	1	3.54	130
401431127	2012	6	2	20	V	1.9	0.9	2.69	157
401431127	2012	6	2	21	V	1.5	0.4	1.16	138
401431127	2012	6	2	22	V	1.1	0.6	0.86	4
401431127	2012	6	2	23	V	3.6	0.3	0.91	42
401431127	2012	6	2	24	V	2.5	0.3	0.57	110
401431127	2012	6	3	1	V	8.6	0.2	0.92	219
401431127	2012	6	3	2	V	2.7	0.2	1.6	116
401431127	2012	6	3	3	V	4.5	0.1	0.99	172
401431127	2012	6	3	4	V	0.9	0.1	2.42	230
401431127	2012	6	3	5	V	0.7	0.1	1.26	243
401431127	2012	6	3	6	V	8.3	0.1	2.15	101
401431127	2012	6	3	7	V	1.6	0.1	1.72	65
401431127	2012	6	3	8	V	2.5	0.1	1.62	189
401431127	2012	6	3	9	V	6.6	0.1	2.16	204
401431127	2012	6	3	10	V	1.5	0.4	2.54	188
401431127	2012	6	3	11	V	1.7	1.3	2.74	173
401431127	2012	6	3	12	V	2.2	0.4	4.53	181
401431127	2012	6	3	13	V	2.6	0.3	4.27	226
401431127	2012	6	3	14	V	3.2	0.2	3.12	231
401431127	2012	6	3	15	V	2.6	0.2	2.5	227
401431127	2012	6	3	16	V	2.6	0.2	3.86	188
401431127	2012	6	3	17	V	2.5	0.3	3.35	193
401431127	2012	6	3	18	V	5.8	0.5	4.19	183
401431127	2012	6	3	19	V	1.5	0.4	3.93	179
401431127	2012	6	3	20	V	2.1	0.2	1.64	190
401431127	2012	6	3	21	V	1.4	0.2	2.15	177
401431127	2012	6	3	22	V	1.2	0.1	1.59	193
401431127	2012	6	3	23	V	0.7	0.1	2.62	188
401431127	2012	6	3	24	V	2.2	0.1	2.81	172
401431127	2012	6	4	1	V	5.5	0	9.71	19
401431127	2012	6	4	2	V	2.7	0	3.34	35

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	4	3	V	4.3	0	3.97	140
401431127	2012	6	4	4	V	0.9	0	3.34	57
401431127	2012	6	4	5	V	0.6	0	3.81	99
401431127	2012	6	4	6	V	8.4	0	3.9	186
401431127	2012	6	4	7	V	1.1	0	3.51	192
401431127	2012	6	4	8	V	1.3	0	1.91	257
401431127	2012	6	4	9	V	4.6	0.1	1.59	213
401431127	2012	6	4	10	V	1.8	0.8	3.44	217
401431127	2012	6	4	11	V	1.7	0.7	2.44	235
401431127	2012	6	4	12	V	2.3	0.3	1.96	252
401431127	2012	6	4	13	V	2.7	0.2	1.33	283
401431127	2012	6	4	14	V	3.2	0.1	1.7	8
401431127	2012	6	4	15	V	2.1	0.1	2.18	351
401431127	2012	6	4	16	V	2.5	0.1	3.07	2
401431127	2012	6	4	17	V	2.2	0.2	2.78	1
401431127	2012	6	4	18	V	5.8	0.2	2.38	1
401431127	2012	6	4	19	V	1.5	0.1	1.79	358
401431127	2012	6	4	20	V	1.9	0.1	1.11	322
401431127	2012	6	4	21	V	1.5	0.2	0.79	273
401431127	2012	6	4	22	M	-999	0.2	1.03	206
401431127	2012	6	4	23	M	-999	0.3	1.09	243
401431127	2012	6	4	24	M	-999	0.4	1.16	241
401431127	2012	6	5	1	M	-999	0.3	0.57	224
401431127	2012	6	5	2	C	-999	0.2	0	0
401431127	2012	6	5	3	V	4.4	0.1	1.31	345
401431127	2012	6	5	4	V	0.7	0	2.35	349
401431127	2012	6	5	5	V	0.6	0	2.25	360
401431127	2012	6	5	6	V	8.3	0	2.16	7
401431127	2012	6	5	7	V	0.9	0	2.79	11
401431127	2012	6	5	8	V	1.7	0.1	3.45	33
401431127	2012	6	5	9	M	-999	0.1	3.36	999
401431127	2012	6	5	10	M	-999	0.2	2.36	999
401431127	2012	6	5	11	V	1.6	0.6	2.86	357
401431127	2012	6	5	12	V	2.2	0.7	6.46	28
401431127	2012	6	5	13	V	3.2	0.7	4.86	41
401431127	2012	6	5	14	V	3.1	1.2	3.36	346
401431127	2012	6	5	15	V	3.0	1.1	5.36	46
401431127	2012	6	5	16	V	2.5	0.6	3.86	28
401431127	2012	6	5	17	V	3.0	0.4	4.36	50
401431127	2012	6	5	18	V	6.2	0.3	4.36	56
401431127	2012	6	5	19	V	2.1	0.2	4.36	53
401431127	2012	6	5	20	V	6.6	0.2	3.86	48
401431127	2012	6	5	21	V	1.6	0.2	3.36	55
401431127	2012	6	5	22	V	1.0	0.2	5.36	64
401431127	2012	6	5	23	V	0.7	0.1	3.36	80
401431127	2012	6	5	24	C	-999	0.1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	6	1	V	5.5	0.1	2.86	89
401431127	2012	6	6	2	V	2.6	0.1	2.36	108
401431127	2012	6	6	3	V	4.3	0	2.36	89
401431127	2012	6	6	4	V	0.7	0.1	2.36	103
401431127	2012	6	6	5	V	0.6	0	2.36	115
401431127	2012	6	6	6	V	8.4	0	2.36	104
401431127	2012	6	6	7	V	0.8	0.2	3.36	89
401431127	2012	6	6	8	V	1.3	0.5	2.36	98
401431127	2012	6	6	9	M	-999	1.3	2.86	999
401431127	2012	6	6	10	V	0.9	1.7	4.86	94
401431127	2012	6	6	11	V	1.5	1.8	5.96	87
401431127	2012	6	6	12	V	2.2	0.9	4.86	115
401431127	2012	6	6	13	V	2.4	0.6	3.36	156
401431127	2012	6	6	14	V	3.1	1.1	3.86	166
401431127	2012	6	6	15	V	2.2	1.9	1.76	243
401431127	2012	6	6	16	V	2.5	0.8	2.86	163
401431127	2012	6	6	17	V	2.1	1.3	4.36	82
401431127	2012	6	6	18	V	5.8	0.8	3.36	109
401431127	2012	6	6	19	V	1.5	0.8	2.36	123
401431127	2012	6	6	20	C	-999	1.1	0	0
401431127	2012	6	6	21	C	-999	1	0	0
401431127	2012	6	6	22	C	-999	0.6	0	0
401431127	2012	6	6	23	V	5.4	0.4	1.76	51
401431127	2012	6	6	24	V	2.2	0.3	5.36	95
401431127	2012	6	7	1	V	5.5	0.3	3.86	120
401431127	2012	6	7	2	V	2.6	0.3	2.86	135
401431127	2012	6	7	3	V	4.3	0.2	3.86	123
401431127	2012	6	7	4	V	0.7	0.1	2.86	126
401431127	2012	6	7	5	V	0.6	0.1	2.36	98
401431127	2012	6	7	6	V	8.4	0.1	1.76	136
401431127	2012	6	7	7	V	0.9	0.3	2.86	127
401431127	2012	6	7	8	V	1.3	1.1	2.86	139
401431127	2012	6	7	9	V	1.4	2.5	4.36	117
401431127	2012	6	7	10	V	1.0	-999	3.36	134
401431127	2012	6	7	11	V	1.6	-999	3.36	130
401431127	2012	6	7	12	M	-999	-999	3.36	999
401431127	2012	6	7	13	V	2.4	0.8	3.36	123
401431127	2012	6	7	14	V	3.1	2.1	3.86	78
401431127	2012	6	7	15	V	2.0	1.9	2.86	123
401431127	2012	6	7	16	C	-999	1.8	0	0
401431127	2012	6	7	17	V	2.1	2	4.86	74
401431127	2012	6	7	18	V	5.8	1.3	3.86	64
401431127	2012	6	7	19	V	1.5	1.4	2.36	83
401431127	2012	6	7	20	V	1.9	1.1	2.36	58
401431127	2012	6	7	21	V	2.0	0.9	1.76	39
401431127	2012	6	7	22	C	-999	0.9	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	7	23	C	-999	0.6	0	0
401431127	2012	6	7	24	C	-999	0.5	0	0
401431127	2012	6	8	1	C	-999	0.4	0	0
401431127	2012	6	8	2	C	-999	0.4	0	0
401431127	2012	6	8	3	V	4.3	0.4	2.36	16
401431127	2012	6	8	4	C	-999	0.4	0	0
401431127	2012	6	8	5	C	-999	0.4	0	0
401431127	2012	6	8	6	C	-999	0.4	0	0
401431127	2012	6	8	7	C	-999	0.4	0	0
401431127	2012	6	8	8	V	1.5	0.7	1.76	151
401431127	2012	6	8	9	V	1.5	1.3	2.36	136
401431127	2012	6	8	10	V	1.1	1.7	2.36	124
401431127	2012	6	8	11	V	1.6	1.6	2.36	119
401431127	2012	6	8	12	V	2.9	1.4	1.76	61
401431127	2012	6	8	13	C	-999	1.2	0	0
401431127	2012	6	8	14	M	-999	1.4	1.76	999
401431127	2012	6	8	15	M	-999	1.6	1.76	999
401431127	2012	6	8	16	V	2.5	1.7	3.36	91
401431127	2012	6	8	17	V	2.2	2	2.86	89
401431127	2012	6	8	18	V	5.8	1.5	2.86	133
401431127	2012	6	8	19	V	1.5	1.6	2.86	159
401431127	2012	6	8	20	C	-999	1.8	0	0
401431127	2012	6	8	21	C	-999	1.2	0	0
401431127	2012	6	8	22	C	-999	0.8	0	0
401431127	2012	6	8	23	C	-999	0.7	0	0
401431127	2012	6	8	24	C	-999	0.6	0	0
401431127	2012	6	9	1	C	-999	0.6	0	0
401431127	2012	6	9	2	C	-999	0.5	0	0
401431127	2012	6	9	3	C	-999	0.4	0	0
401431127	2012	6	9	4	C	-999	0.4	0	0
401431127	2012	6	9	5	C	-999	0.4	0	0
401431127	2012	6	9	6	C	-999	0.3	0	0
401431127	2012	6	9	7	V	0.9	0.6	2.36	160
401431127	2012	6	9	8	V	1.3	0.9	3.36	175
401431127	2012	6	9	9	V	1.4	0.7	3.86	168
401431127	2012	6	9	10	V	1.0	0.8	4.36	181
401431127	2012	6	9	11	V	1.5	0.9	4.86	168
401431127	2012	6	9	12	V	2.2	0.8	4.86	180
401431127	2012	6	9	13	V	2.4	-999	6.46	172
401431127	2012	6	9	14	V	3.1	-999	6.46	187
401431127	2012	6	9	15	V	2.0	-999	6.46	161
401431127	2012	6	9	16	V	2.5	-999	6.46	169
401431127	2012	6	9	17	V	2.1	-999	6.46	181
401431127	2012	6	9	18	V	5.8	-999	4.86	169
401431127	2012	6	9	19	V	1.5	-999	3.86	166
401431127	2012	6	9	20	V	1.9	-999	2.86	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	9	21	V	1.4	-999	2.86	167
401431127	2012	6	9	22	V	1.0	-999	2.86	180
401431127	2012	6	9	23	V	0.7	-999	3.36	182
401431127	2012	6	9	24	V	2.2	-999	3.36	180
401431127	2012	6	10	1	V	5.6	-999	4.86	184
401431127	2012	6	10	2	V	2.6	-999	3.86	152
401431127	2012	6	10	3	V	4.3	-999	3.36	161
401431127	2012	6	10	4	V	0.7	-999	4.36	166
401431127	2012	6	10	5	V	0.6	-999	2.86	147
401431127	2012	6	10	6	V	8.3	-999	3.86	141
401431127	2012	6	10	7	V	0.8	-999	5.36	156
401431127	2012	6	10	8	V	1.2	-999	5.96	171
401431127	2012	6	10	9	V	1.3	-999	7.96	166
401431127	2012	6	10	10	V	0.9	-999	6.96	158
401431127	2012	6	10	11	V	1.5	-999	7.46	156
401431127	2012	6	10	12	V	2.2	-999	7.96	173
401431127	2012	6	10	13	V	2.4	-999	7.46	159
401431127	2012	6	10	14	V	3.0	-999	9.56	172
401431127	2012	6	10	15	V	2.0	-999	7.96	168
401431127	2012	6	10	16	V	2.5	-999	7.96	180
401431127	2012	6	10	17	V	2.1	-999	6.96	182
401431127	2012	6	10	18	V	5.8	-999	6.96	172
401431127	2012	6	10	19	V	1.5	-999	4.36	171
401431127	2012	6	10	20	V	1.9	-999	4.36	169
401431127	2012	6	10	21	V	1.4	-999	4.86	168
401431127	2012	6	10	22	V	1.0	-999	2.86	160
401431127	2012	6	10	23	V	0.7	-999	3.36	165
401431127	2012	6	10	24	V	2.2	-999	3.36	170
401431127	2012	6	11	1	V	5.5	-999	3.86	172
401431127	2012	6	11	2	V	2.6	-999	3.36	178
401431127	2012	6	11	3	V	4.3	-999	2.86	168
401431127	2012	6	11	4	V	0.8	-999	1.92	164
401431127	2012	6	11	5	V	0.6	-999	2.27	144
401431127	2012	6	11	6	V	8.4	-999	1.77	140
401431127	2012	6	11	7	V	0.9	-999	3.15	171
401431127	2012	6	11	8	V	1.2	-999	4.17	177
401431127	2012	6	11	9	V	1.5	-999	4.97	193
401431127	2012	6	11	10	V	2.4	0.1	4.87	206
401431127	2012	6	11	11	V	1.6	0.1	2.27	241
401431127	2012	6	11	12	V	2.6	0.1	1.01	257
401431127	2012	6	11	13	V	2.9	0.1	1.23	24
401431127	2012	6	11	14	V	3.1	0.1	4.15	27
401431127	2012	6	11	15	V	2.0	0.1	4.37	22
401431127	2012	6	11	16	V	2.5	0.1	4.71	19
401431127	2012	6	11	17	V	2.1	0.1	5.62	20
401431127	2012	6	11	18	V	5.8	0.1	4.44	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	11	19	V	1.5	0.2	4.31	33
401431127	2012	6	11	20	V	1.9	0.2	2.35	32
401431127	2012	6	11	21	V	2.2	0.2	1.14	37
401431127	2012	6	11	22	V	5.9	0.2	1.5	43
401431127	2012	6	11	23	V	0.8	0.2	1.45	24
401431127	2012	6	11	24	V	2.2	0.2	2.49	11
401431127	2012	6	12	1	V	5.6	0.1	1.6	9
401431127	2012	6	12	2	V	2.6	0.1	3.54	9
401431127	2012	6	12	3	V	4.4	0	2.78	29
401431127	2012	6	12	4	V	0.8	0.1	1.82	15
401431127	2012	6	12	5	V	0.7	0.1	1.88	19
401431127	2012	6	12	6	V	8.3	0.1	2.71	24
401431127	2012	6	12	7	V	3.9	0.1	3.13	53
401431127	2012	6	12	8	V	1.2	0.2	4.77	70
401431127	2012	6	12	9	V	1.3	0.2	5.6	69
401431127	2012	6	12	10	V	0.9	0.2	7.33	77
401431127	2012	6	12	11	V	1.5	0.3	6.79	86
401431127	2012	6	12	12	V	2.2	0.2	4.92	89
401431127	2012	6	12	13	V	2.4	0.2	3.95	104
401431127	2012	6	12	14	V	3.1	0.3	2.61	108
401431127	2012	6	12	15	V	2.0	0.4	3.05	100
401431127	2012	6	12	16	V	2.5	0.6	3.78	87
401431127	2012	6	12	17	V	2.1	0.7	4.65	79
401431127	2012	6	12	18	V	5.8	0.4	4.54	75
401431127	2012	6	12	19	V	1.5	0.3	3.73	91
401431127	2012	6	12	20	V	1.9	0.3	2.62	94
401431127	2012	6	12	21	V	1.4	0.6	1.31	98
401431127	2012	6	12	22	V	4.2	0.5	0.8	47
401431127	2012	6	12	23	V	0.7	0.6	4.43	75
401431127	2012	6	12	24	V	2.2	0.3	2.61	75
401431127	2012	6	13	1	V	5.5	0.3	2.59	79
401431127	2012	6	13	2	V	2.6	0.2	2.61	74
401431127	2012	6	13	3	V	4.3	0.2	3.13	98
401431127	2012	6	13	4	V	0.8	0.2	1.96	135
401431127	2012	6	13	5	V	0.8	0.3	1.01	108
401431127	2012	6	13	6	V	8.6	0.3	0.62	320
401431127	2012	6	13	7	V	1.1	0.3	1.4	181
401431127	2012	6	13	8	V	1.3	0.4	2.49	164
401431127	2012	6	13	9	V	1.4	0.3	2.84	160
401431127	2012	6	13	10	V	1.0	0.3	3.59	167
401431127	2012	6	13	11	V	1.6	0.3	3.78	161
401431127	2012	6	13	12	V	2.2	0.3	4.51	163
401431127	2012	6	13	13	V	2.4	0.3	5.12	173
401431127	2012	6	13	14	V	3.0	0.3	4.9	172
401431127	2012	6	13	15	V	2.0	0.3	4.83	162
401431127	2012	6	13	16	V	2.5	0.4	5.34	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	13	17	V	2.1	0.4	4.68	162
401431127	2012	6	13	18	V	5.8	0.3	4.49	156
401431127	2012	6	13	19	V	1.5	0.3	4.24	150
401431127	2012	6	13	20	V	1.9	0.3	3.61	141
401431127	2012	6	13	21	V	1.4	0.3	2.32	152
401431127	2012	6	13	22	V	1.0	0.3	2.03	166
401431127	2012	6	13	23	V	1.1	0.4	0.75	189
401431127	2012	6	13	24	C	-999	0.3	0	0
401431127	2012	6	14	1	V	6.1	0.3	0.52	54
401431127	2012	6	14	2	V	3.8	0.3	1.33	197
401431127	2012	6	14	3	V	4.4	0.3	1.47	150
401431127	2012	6	14	4	V	0.8	0.3	1.84	157
401431127	2012	6	14	5	V	0.7	0.2	1.98	155
401431127	2012	6	14	6	V	8.4	0.2	1.76	150
401431127	2012	6	14	7	V	0.9	0.3	2.79	147
401431127	2012	6	14	8	V	1.2	0.5	4.17	159
401431127	2012	6	14	9	V	1.3	0.4	5.09	164
401431127	2012	6	14	10	V	0.9	0.3	5.29	166
401431127	2012	6	14	11	V	1.5	0.3	5.8	164
401431127	2012	6	14	12	V	2.2	0.3	5.65	162
401431127	2012	6	14	13	V	2.4	0.2	5.48	162
401431127	2012	6	14	14	V	3.0	0.2	5.56	161
401431127	2012	6	14	15	V	2.0	0.2	5.46	165
401431127	2012	6	14	16	V	2.5	0.2	5.99	160
401431127	2012	6	14	17	V	2.1	0.2	6.23	164
401431127	2012	6	14	18	V	5.8	0.2	5.63	164
401431127	2012	6	14	19	V	1.5	0.2	5.21	169
401431127	2012	6	14	20	V	1.9	0.2	3.97	165
401431127	2012	6	14	21	V	1.4	0.3	4.66	169
401431127	2012	6	14	22	V	1.0	0.2	3.73	184
401431127	2012	6	14	23	V	0.7	0.2	3.13	180
401431127	2012	6	14	24	V	2.2	0.3	3.92	172
401431127	2012	6	15	1	V	5.5	0.3	3.73	175
401431127	2012	6	15	2	V	5.1	0.3	3.59	197
401431127	2012	6	15	3	V	4.3	0.6	4.68	310
401431127	2012	6	15	4	V	0.7	0.4	4.78	15
401431127	2012	6	15	5	V	2.2	0.3	3.74	53
401431127	2012	6	15	6	V	8.3	0.2	3.34	171
401431127	2012	6	15	7	V	0.8	0.3	6.74	150
401431127	2012	6	15	8	V	1.3	0.3	2.55	258
401431127	2012	6	15	9	V	2.3	0.3	0.99	318
401431127	2012	6	15	10	V	1.0	0.2	3.12	260
401431127	2012	6	15	11	V	1.7	0.2	2.23	275
401431127	2012	6	15	12	V	2.4	0.2	1.91	258
401431127	2012	6	15	13	V	3.8	0.2	2.74	214
401431127	2012	6	15	14	V	3.2	0.6	4.17	190

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	15	15	V	2.0	0.4	4.09	166
401431127	2012	6	15	16	V	2.5	0.3	3.75	156
401431127	2012	6	15	17	V	2.2	0.3	3.2	145
401431127	2012	6	15	18	V	5.8	0.2	3.12	111
401431127	2012	6	15	19	V	1.5	0.2	3.17	118
401431127	2012	6	15	20	V	1.9	0.2	2.74	123
401431127	2012	6	15	21	V	1.4	0.2	2.79	144
401431127	2012	6	15	22	V	1.0	0.2	3.91	165
401431127	2012	6	15	23	V	0.7	0.2	3.68	176
401431127	2012	6	15	24	V	2.2	0.2	2.18	162
401431127	2012	6	16	1	V	5.6	0.2	1.42	184
401431127	2012	6	16	2	V	2.6	0.2	2.64	170
401431127	2012	6	16	3	V	4.3	0.2	2.79	179
401431127	2012	6	16	4	V	0.8	0.2	2.73	187
401431127	2012	6	16	5	V	0.6	0.2	2.35	167
401431127	2012	6	16	6	V	8.4	0.2	1.94	177
401431127	2012	6	16	7	V	0.9	0.2	2.27	168
401431127	2012	6	16	8	V	1.3	0.2	3.12	152
401431127	2012	6	16	9	V	1.5	0.2	2.25	334
401431127	2012	6	16	10	V	1.1	0.2	1.87	89
401431127	2012	6	16	11	V	1.6	0.2	3.2	142
401431127	2012	6	16	12	V	2.2	0.1	4.48	166
401431127	2012	6	16	13	V	2.4	0.2	4.32	174
401431127	2012	6	16	14	V	3.1	0.2	4.42	184
401431127	2012	6	16	15	V	2.0	0.1	5.33	188
401431127	2012	6	16	16	V	2.6	0.1	5.97	193
401431127	2012	6	16	17	V	2.9	0.2	4.2	204
401431127	2012	6	16	18	V	6.8	0.2	3.01	206
401431127	2012	6	16	19	V	1.5	0.2	3.46	172
401431127	2012	6	16	20	V	2.1	0.2	2.08	192
401431127	2012	6	16	21	V	1.5	0.2	0.87	181
401431127	2012	6	16	22	V	1.2	0.2	0.63	242
401431127	2012	6	16	23	V	0.9	0.2	1.28	190
401431127	2012	6	16	24	V	9.7	0.3	0.84	214
401431127	2012	6	17	1	V	16.3	0.4	0.91	211
401431127	2012	6	17	2	V	6.5	0.4	1.16	200
401431127	2012	6	17	3	V	4.4	0.7	1.79	173
401431127	2012	6	17	4	V	0.9	0.6	1.31	191
401431127	2012	6	17	5	V	0.7	0.5	1.45	187
401431127	2012	6	17	6	V	8.4	0.4	1.52	161
401431127	2012	6	17	7	V	0.9	0.4	2.22	168
401431127	2012	6	17	8	V	1.3	0.4	3.69	175
401431127	2012	6	17	9	V	1.4	0.3	4.36	176
401431127	2012	6	17	10	V	1.0	0.3	5.16	183
401431127	2012	6	17	11	V	1.5	0.2	6.21	183
401431127	2012	6	17	12	V	2.2	0.2	6.52	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	17	13	V	2.4	0.2	7.62	189
401431127	2012	6	17	14	V	3.1	0.2	7.32	193
401431127	2012	6	17	15	V	2.0	0.3	7.43	186
401431127	2012	6	17	16	V	2.5	0.3	6.63	189
401431127	2012	6	17	17	V	2.2	0.2	6.43	189
401431127	2012	6	17	18	V	5.8	0.2	6.04	184
401431127	2012	6	17	19	V	1.5	0.2	6.82	180
401431127	2012	6	17	20	V	1.9	0.2	5.7	182
401431127	2012	6	17	21	V	1.4	0.2	4.95	181
401431127	2012	6	17	22	V	1.0	0.2	3.73	176
401431127	2012	6	17	23	V	0.7	0.2	3.08	181
401431127	2012	6	17	24	V	2.2	0.2	2.59	186
401431127	2012	6	18	1	V	5.6	0.2	2.88	185
401431127	2012	6	18	2	V	2.7	0.2	3.95	186
401431127	2012	6	18	3	V	4.4	0.3	4.07	186
401431127	2012	6	18	4	V	0.8	0.4	3.35	187
401431127	2012	6	18	5	V	0.6	0.5	3.29	180
401431127	2012	6	18	6	V	8.3	0.6	2.81	166
401431127	2012	6	18	7	V	0.8	0.6	4.15	171
401431127	2012	6	18	8	V	1.2	0.6	5.77	177
401431127	2012	6	18	9	V	1.3	0.7	6.96	177
401431127	2012	6	18	10	V	0.9	0.6	7.71	180
401431127	2012	6	18	11	V	1.5	0.4	8.01	179
401431127	2012	6	18	12	V	2.2	0.5	8.01	178
401431127	2012	6	18	13	V	2.4	0.4	7.52	178
401431127	2012	6	18	14	V	3.0	0.5	7.37	169
401431127	2012	6	18	15	V	2.0	0.4	7.25	170
401431127	2012	6	18	16	V	2.5	0.4	7.59	170
401431127	2012	6	18	17	V	2.1	0.4	7.06	173
401431127	2012	6	18	18	V	5.8	0.3	6.48	172
401431127	2012	6	18	19	V	1.5	0.4	6.11	174
401431127	2012	6	18	20	V	1.9	0.4	4.39	179
401431127	2012	6	18	21	V	1.4	0.4	4.41	177
401431127	2012	6	18	22	V	1.0	0.5	4.39	170
401431127	2012	6	18	23	V	0.7	0.9	4.34	170
401431127	2012	6	18	24	V	2.2	0.8	3.78	173
401431127	2012	6	19	1	V	5.5	0.5	3.85	172
401431127	2012	6	19	2	V	2.6	0.4	4.83	170
401431127	2012	6	19	3	V	4.3	0.3	5.68	169
401431127	2012	6	19	4	V	0.7	0.3	5.36	169
401431127	2012	6	19	5	V	0.6	0.3	5.24	171
401431127	2012	6	19	6	V	8.3	0.3	4.61	171
401431127	2012	6	19	7	V	0.8	0.3	4.95	168
401431127	2012	6	19	8	V	1.2	0.3	6.01	170
401431127	2012	6	19	9	V	1.3	0.2	6.5	170
401431127	2012	6	19	10	V	0.9	0.2	8.2	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	19	11	V	1.5	0.2	8.05	170
401431127	2012	6	19	12	V	2.2	0.2	7.69	173
401431127	2012	6	19	13	V	2.4	0.2	7.57	173
401431127	2012	6	19	14	V	3.0	0.2	7.93	174
401431127	2012	6	19	15	V	2.0	0.2	8.22	172
401431127	2012	6	19	16	V	2.5	0.2	9.02	172
401431127	2012	6	19	17	V	2.1	0.2	8.62	172
401431127	2012	6	19	18	V	5.8	0.2	8.08	168
401431127	2012	6	19	19	V	1.5	0.2	7.52	172
401431127	2012	6	19	20	V	1.9	0.2	6.31	174
401431127	2012	6	19	21	V	1.4	0.2	4.27	171
401431127	2012	6	19	22	V	1.0	0.2	4.92	166
401431127	2012	6	19	23	V	0.7	0.2	5.84	170
401431127	2012	6	19	24	V	2.2	0.2	5.6	174
401431127	2012	6	20	1	V	5.5	0.3	5.22	172
401431127	2012	6	20	2	V	2.6	0.2	4.66	169
401431127	2012	6	20	3	V	4.3	0.2	4.73	166
401431127	2012	6	20	4	V	0.7	0.2	4.95	171
401431127	2012	6	20	5	V	0.6	0.2	5.55	172
401431127	2012	6	20	6	V	8.3	0.2	5.22	175
401431127	2012	6	20	7	V	0.8	0.2	5.04	169
401431127	2012	6	20	8	V	1.2	0.2	6.4	173
401431127	2012	6	20	9	V	1.3	0.1	7.13	173
401431127	2012	6	20	10	V	0.9	0.1	6.65	177
401431127	2012	6	20	11	V	1.5	0.2	6.36	169
401431127	2012	6	20	12	V	2.2	0.2	6.35	169
401431127	2012	6	20	13	V	2.4	0.1	6.12	176
401431127	2012	6	20	14	V	3.0	0.1	5.6	163
401431127	2012	6	20	15	V	2.0	0.1	6.18	169
401431127	2012	6	20	16	V	2.5	0.1	6.41	166
401431127	2012	6	20	17	V	2.1	0.1	6.67	168
401431127	2012	6	20	18	V	5.8	0.1	6.89	169
401431127	2012	6	20	19	V	1.5	0.2	5.55	173
401431127	2012	6	20	20	V	1.9	0.1	3.76	179
401431127	2012	6	20	21	V	1.4	0.2	2.5	179
401431127	2012	6	20	22	V	1.0	0.2	2.69	177
401431127	2012	6	20	23	V	0.8	0.2	3.01	187
401431127	2012	6	20	24	V	2.3	0.2	3.29	187
401431127	2012	6	21	1	V	5.6	0.3	3.1	186
401431127	2012	6	21	2	V	2.7	0.4	3	187
401431127	2012	6	21	3	V	5.5	0.5	3.03	196
401431127	2012	6	21	4	V	1.5	0.5	2.18	197
401431127	2012	6	21	5	V	0.7	0.6	1.3	228
401431127	2012	6	21	6	V	8.4	0.7	1.04	257
401431127	2012	6	21	7	V	1.7	0.3	1.57	64
401431127	2012	6	21	8	V	1.2	0.3	4.15	99

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	21	9	V	1.4	-999	3.63	99
401431127	2012	6	21	10	V	1.0	-999	3.85	146
401431127	2012	6	21	11	V	1.6	-999	4.17	175
401431127	2012	6	21	12	V	2.3	-999	3.54	187
401431127	2012	6	21	13	V	3.1	-999	2.49	223
401431127	2012	6	21	14	V	3.3	-999	1.43	272
401431127	2012	6	21	15	V	2.1	-999	1.99	319
401431127	2012	6	21	16	V	2.5	-999	2.96	351
401431127	2012	6	21	17	V	2.1	-999	4.36	10
401431127	2012	6	21	18	V	5.8	-999	3.83	10
401431127	2012	6	21	19	V	1.5	-999	2.47	4
401431127	2012	6	21	20	V	1.9	-999	1.82	10
401431127	2012	6	21	21	V	1.5	-999	0.82	328
401431127	2012	6	21	22	V	1.2	-999	0.7	329
401431127	2012	6	21	23	V	1.1	-999	0.52	286
401431127	2012	6	21	24	V	2.5	-999	0.57	283
401431127	2012	6	22	1	V	5.9	-999	0.52	320
401431127	2012	6	22	2	V	2.7	-999	1.47	15
401431127	2012	6	22	3	V	4.4	-999	1.28	355
401431127	2012	6	22	4	V	0.8	-999	1.54	1
401431127	2012	6	22	5	V	0.7	-999	1.59	360
401431127	2012	6	22	6	V	8.4	-999	1.13	1
401431127	2012	6	22	7	V	1.1	-999	1.96	22
401431127	2012	6	22	8	V	5.5	-999	3.2	43
401431127	2012	6	22	9	V	5.5	-999	3.56	49
401431127	2012	6	22	10	V	4.7	-999	3.64	48
401431127	2012	6	22	11	V	4.1	-999	3.41	42
401431127	2012	6	22	12	V	4.0	-999	3.63	42
401431127	2012	6	22	13	V	3.3	0.1	3.78	56
401431127	2012	6	22	14	V	4.4	0.1	3.51	44
401431127	2012	6	22	15	V	3.0	0.1	3.35	40
401431127	2012	6	22	16	V	3.5	0.1	2.83	41
401431127	2012	6	22	17	V	3.1	0.1	2.91	40
401431127	2012	6	22	18	V	7.0	0.1	2.89	51
401431127	2012	6	22	19	V	3.0	0.1	2.21	48
401431127	2012	6	22	20	V	1.9	0.2	1.67	14
401431127	2012	6	22	21	V	1.4	0.3	1.67	9
401431127	2012	6	22	22	V	1.0	0.4	1.28	15
401431127	2012	6	22	23	V	0.8	0.4	0.89	16
401431127	2012	6	22	24	V	2.4	0.2	0.77	252
401431127	2012	6	23	1	C	-999	0.2	0	0
401431127	2012	6	23	2	C	-999	0.1	0	0
401431127	2012	6	23	3	V	4.6	0.1	0.63	286
401431127	2012	6	23	4	C	-999	0.1	0	0
401431127	2012	6	23	5	C	-999	0.2	0	0
401431127	2012	6	23	6	V	8.7	0.2	0.53	238

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	23	7	V	5.8	0.2	0.89	200
401431127	2012	6	23	8	V	1.3	0.1	3.13	172
401431127	2012	6	23	9	V	1.4	0	4.65	183
401431127	2012	6	23	10	V	0.9	0	5.43	179
401431127	2012	6	23	11	V	1.6	0	5.77	190
401431127	2012	6	23	12	V	2.3	0	5.51	189
401431127	2012	6	23	13	V	2.7	0	5.75	198
401431127	2012	6	23	14	V	3.2	0.1	5.56	193
401431127	2012	6	23	15	V	2.0	0.1	5.62	183
401431127	2012	6	23	16	V	2.5	0.1	5.56	188
401431127	2012	6	23	17	V	2.1	0.1	5.11	176
401431127	2012	6	23	18	V	5.8	0.1	5.19	182
401431127	2012	6	23	19	V	1.5	0.1	4.71	185
401431127	2012	6	23	20	V	8.6	0.1	2.15	202
401431127	2012	6	23	21	V	8.4	0.2	0.97	216
401431127	2012	6	23	22	V	9.9	0.2	1.11	204
401431127	2012	6	23	23	V	0.9	0.2	1.64	192
401431127	2012	6	23	24	V	11.8	0.1	2.11	204
401431127	2012	6	24	1	V	19.6	0.1	1.72	206
401431127	2012	6	24	2	V	14.6	0.2	1.81	205
401431127	2012	6	24	3	V	13.7	0.1	0.96	206
401431127	2012	6	24	4	C	-999	0.4	0	0
401431127	2012	6	24	5	C	-999	1.7	0	0
401431127	2012	6	24	6	C	-999	1	0	0
401431127	2012	6	24	7	C	-999	0.6	0	0
401431127	2012	6	24	8	V	1.7	1	1.3	175
401431127	2012	6	24	9	V	1.6	1.8	2.11	177
401431127	2012	6	24	10	V	4.7	0.9	2.81	209
401431127	2012	6	24	11	V	1.8	0.9	3	227
401431127	2012	6	24	12	V	2.8	0.6	2.42	223
401431127	2012	6	24	13	V	2.5	0.8	2.16	163
401431127	2012	6	24	14	V	3.7	1.1	2.08	214
401431127	2012	6	24	15	V	2.5	0.7	2.37	195
401431127	2012	6	24	16	V	2.8	0.4	2.25	187
401431127	2012	6	24	17	V	2.2	0.3	2.74	181
401431127	2012	6	24	18	V	6.2	0.3	2.64	195
401431127	2012	6	24	19	V	1.5	0.3	2.96	176
401431127	2012	6	24	20	V	4.7	0.2	1.65	199
401431127	2012	6	24	21	V	1.6	0.1	0.6	244
401431127	2012	6	24	22	V	1.3	0.2	0.55	300
401431127	2012	6	24	23	C	-999	0.2	0	0
401431127	2012	6	24	24	V	2.5	0.2	0.58	258
401431127	2012	6	25	1	C	-999	0.2	0	0
401431127	2012	6	25	2	V	2.9	0.3	0.62	252
401431127	2012	6	25	3	C	-999	0.2	0	0
401431127	2012	6	25	4	M	-999	0.2	0.65	224

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	25	5	M	-999	0.2	0.86	224
401431127	2012	6	25	6	M	-999	0.3	0.52	270
401431127	2012	6	25	7	M	-999	0.3	0.79	220
401431127	2012	6	25	8	M	-999	0.2	1.04	236
401431127	2012	6	25	9	M	-999	0	1.18	235
401431127	2012	6	25	10	M	-999	0.1	1.82	228
401431127	2012	6	25	11	M	-999	0.3	2.11	233
401431127	2012	6	25	12	M	-999	0.7	2.5	226
401431127	2012	6	25	13	M	-999	2	2.18	217
401431127	2012	6	25	14	M	-999	2.6	1.87	237
401431127	2012	6	25	15	M	-999	2.9	1.94	253
401431127	2012	6	25	16	M	-999	-999	1.59	264
401431127	2012	6	25	17	M	-999	0.5	1.35	256
401431127	2012	6	25	18	M	-999	0.6	1.4	226
401431127	2012	6	25	19	M	-999	0.6	1.21	222
401431127	2012	6	25	20	V	1.9	0.4	1.26	298
401431127	2012	6	25	21	V	1.6	0.3	0.79	148
401431127	2012	6	25	22	V	1.3	0.2	0.62	86
401431127	2012	6	25	23	C	-999	0.1	0	0
401431127	2012	6	25	24	V	2.4	0.1	0.67	240
401431127	2012	6	26	1	C	-999	0.1	0	0
401431127	2012	6	26	2	C	-999	0.1	0	0
401431127	2012	6	26	3	C	-999	0.1	0	0
401431127	2012	6	26	4	C	-999	0.1	0	0
401431127	2012	6	26	5	V	0.9	0.1	0.58	264
401431127	2012	6	26	6	C	-999	0.2	0	0
401431127	2012	6	26	7	V	2.4	0.2	0.63	234
401431127	2012	6	26	8	V	1.3	0.1	2.54	158
401431127	2012	6	26	9	V	1.4	0	3.76	153
401431127	2012	6	26	10	V	1.0	0.1	3.34	152
401431127	2012	6	26	11	V	1.6	0.1	2.79	164
401431127	2012	6	26	12	V	2.3	0.2	2.38	152
401431127	2012	6	26	13	V	2.5	0.2	2.32	166
401431127	2012	6	26	14	V	3.1	0.3	3.13	118
401431127	2012	6	26	15	V	2.1	0.4	2.39	126
401431127	2012	6	26	16	V	2.5	0.4	2.67	161
401431127	2012	6	26	17	V	2.2	0.5	3.17	171
401431127	2012	6	26	18	V	5.8	0.5	3.05	148
401431127	2012	6	26	19	V	1.5	0.5	2.93	162
401431127	2012	6	26	20	V	1.9	0.7	2.93	140
401431127	2012	6	26	21	V	1.4	0.5	2.89	148
401431127	2012	6	26	22	V	1.0	0.4	3.32	158
401431127	2012	6	26	23	V	0.9	0.3	1.79	192
401431127	2012	6	26	24	V	17.0	0.2	1.2	211
401431127	2012	6	27	1	V	5.6	0.2	1.5	185
401431127	2012	6	27	2	V	2.7	0.1	1.57	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	27	3	V	4.3	0.1	3.08	167
401431127	2012	6	27	4	V	0.7	0.1	3.1	167
401431127	2012	6	27	5	V	0.6	0.1	3.64	169
401431127	2012	6	27	6	V	8.3	0.2	3.4	169
401431127	2012	6	27	7	V	0.9	0.3	3.03	170
401431127	2012	6	27	8	V	1.2	-999	4.02	172
401431127	2012	6	27	9	V	1.3	-999	5	180
401431127	2012	6	27	10	V	1.0	0.9	5.05	188
401431127	2012	6	27	11	V	1.6	1.1	5.22	192
401431127	2012	6	27	12	V	2.3	1.4	5.41	189
401431127	2012	6	27	13	V	2.5	1.4	5.41	189
401431127	2012	6	27	14	V	3.5	1.3	5.12	199
401431127	2012	6	27	15	V	2.1	0.8	4.93	192
401431127	2012	6	27	16	V	2.5	0.7	4.66	186
401431127	2012	6	27	17	V	2.2	0.6	4.63	186
401431127	2012	6	27	18	V	5.8	0.5	5.04	167
401431127	2012	6	27	19	V	1.5	0.4	4.41	168
401431127	2012	6	27	20	V	1.9	0.3	3.34	172
401431127	2012	6	27	21	V	18.8	0.2	1.62	209
401431127	2012	6	27	22	V	6.7	0.2	2.16	202
401431127	2012	6	27	23	V	9.9	0.4	2.57	204
401431127	2012	6	27	24	V	8.5	1.3	1.52	202
401431127	2012	6	28	1	V	5.8	4.2	0.62	318
401431127	2012	6	28	2	C	-999	2.1	0	0
401431127	2012	6	28	3	V	4.7	11	0.52	323
401431127	2012	6	28	4	V	1.0	25.5	0.57	242
401431127	2012	6	28	5	V	2.8	23.8	0.6	222
401431127	2012	6	28	6	V	8.6	23.8	0.57	322
401431127	2012	6	28	7	C	-999	11.2	0	0
401431127	2012	6	28	8	V	2.4	10.1	2.64	195
401431127	2012	6	28	9	V	1.4	5.9	4.02	188
401431127	2012	6	28	10	V	1.0	4.1	3.97	189
401431127	2012	6	28	11	V	2.9	3	4.37	205
401431127	2012	6	28	12	V	2.5	2.5	5.44	196
401431127	2012	6	28	13	V	2.4	1.6	5.68	186
401431127	2012	6	28	14	V	3.0	1.6	6.19	184
401431127	2012	6	28	15	V	2.7	1.5	5.09	207
401431127	2012	6	28	16	V	2.7	1.3	5.27	197
401431127	2012	6	28	17	V	2.3	1	5.14	195
401431127	2012	6	28	18	V	5.8	0.6	5.51	188
401431127	2012	6	28	19	V	1.6	0.6	5.04	192
401431127	2012	6	28	20	V	9.8	0.6	2.54	203
401431127	2012	6	28	21	V	13.8	3.2	1.28	213
401431127	2012	6	28	22	V	1.5	1	2.61	196
401431127	2012	6	28	23	V	6.7	0.9	2.9	202
401431127	2012	6	28	24	V	13.9	9.6	2.32	205

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	29	1	V	7.0	7.9	3.39	196
401431127	2012	6	29	2	V	14.9	4.9	3.56	209
401431127	2012	6	29	3	V	17.7	4	2.93	207
401431127	2012	6	29	4	V	6.3	6.7	2.37	202
401431127	2012	6	29	5	V	19.0	3.3	1.65	209
401431127	2012	6	29	6	V	9.5	2.8	2.01	220
401431127	2012	6	29	7	V	2.4	1.5	1.38	191
401431127	2012	6	29	8	V	2.7	3.5	2.47	195
401431127	2012	6	29	9	V	1.9	2.8	4.97	215
401431127	2012	6	29	10	V	1.6	2.9	5.65	211
401431127	2012	6	29	11	V	1.9	2	6.16	199
401431127	2012	6	29	12	V	3.2	1.1	5.84	208
401431127	2012	6	29	13	V	2.8	1.1	5.73	201
401431127	2012	6	29	14	V	3.2	1.1	5.58	193
401431127	2012	6	29	15	V	2.1	0.7	5.46	190
401431127	2012	6	29	16	V	2.5	0.8	5.73	185
401431127	2012	6	29	17	V	2.2	0.3	5.56	188
401431127	2012	6	29	18	V	5.9	0.2	5.63	194
401431127	2012	6	29	19	V	2.0	0.2	4.68	200
401431127	2012	6	29	20	V	18.8	4.4	2.38	209
401431127	2012	6	29	21	V	1.8	4.5	1.84	195
401431127	2012	6	29	22	V	3.7	0.6	2.49	200
401431127	2012	6	29	23	V	0.8	0.3	3.44	189
401431127	2012	6	29	24	V	2.3	0.3	2.61	189
401431127	2012	6	30	1	V	5.6	0.5	3.4	185
401431127	2012	6	30	2	V	2.8	0.5	2.52	192
401431127	2012	6	30	3	V	15.5	0.7	1.81	214
401431127	2012	6	30	4	V	7.6	3.7	1.33	216
401431127	2012	6	30	5	V	7.0	2.5	1.25	202
401431127	2012	6	30	6	V	9.0	2.6	1.5	196
401431127	2012	6	30	7	V	1.3	4.5	2.13	189
401431127	2012	6	30	8	V	4.3	3	3.2	205
401431127	2012	6	30	9	V	2.0	0.9	3.92	218
401431127	2012	6	30	10	V	1.8	0.6	4.03	215
401431127	2012	6	30	11	V	2.4	1.3	4.7	202
401431127	2012	6	30	12	V	2.3	0.8	4.83	192
401431127	2012	6	30	13	V	2.5	0.5	4.92	188
401431127	2012	6	30	14	V	3.1	0.4	5.05	189
401431127	2012	6	30	15	V	2.0	0.5	4.99	180
401431127	2012	6	30	16	V	2.5	0.5	5.28	186
401431127	2012	6	30	17	V	2.1	0.4	5.5	185
401431127	2012	6	30	18	V	5.8	0.3	5.85	174
401431127	2012	6	30	19	V	1.5	0.3	5.16	172
401431127	2012	6	30	20	V	1.9	0.2	3.95	172
401431127	2012	6	30	21	V	1.9	0.2	2.49	196
401431127	2012	6	30	22	V	2.1	0.2	2.32	198

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	6	30	23	V	17.0	0.5	2.43	207
401431127	2012	6	30	24	V	16.5	3.3	1.99	206
401431127	2012	7	1	1	V	9.4	1.2	0.69	218
401431127	2012	7	1	2	V	5.2	1.3	0.58	198
401431127	2012	7	1	3	V	4.4	0.8	1.06	237
401431127	2012	7	1	4	V	0.9	0.6	0.69	269
401431127	2012	7	1	5	V	0.9	0.6	0.74	175
401431127	2012	7	1	6	V	15.8	0.8	0.86	205
401431127	2012	7	1	7	V	6.2	1.5	1.57	202
401431127	2012	7	1	8	V	4.4	1.4	2.5	201
401431127	2012	7	1	9	V	1.8	1.2	3	225
401431127	2012	7	1	10	V	2.0	1	3.27	205
401431127	2012	7	1	11	V	1.6	1	4.65	184
401431127	2012	7	1	12	V	2.3	0.5	4.87	189
401431127	2012	7	1	13	V	2.4	0.4	4.97	177
401431127	2012	7	1	14	V	3.0	0.4	5.09	171
401431127	2012	7	1	15	V	2.0	0.4	4.66	179
401431127	2012	7	1	16	V	2.5	0.3	5.51	188
401431127	2012	7	1	17	V	2.1	0.3	5.43	176
401431127	2012	7	1	18	V	5.8	0.2	5.68	186
401431127	2012	7	1	19	V	1.5	0.1	4.97	187
401431127	2012	7	1	20	V	1.9	0.2	4.77	181
401431127	2012	7	1	21	V	1.4	0	4.03	185
401431127	2012	7	1	22	V	1.0	0	3.1	180
401431127	2012	7	1	23	V	2.0	0	4.53	195
401431127	2012	7	1	24	V	4.8	0.2	4.63	198
401431127	2012	7	2	1	V	14.0	0.2	3.15	204
401431127	2012	7	2	2	V	2.7	0.2	2.59	186
401431127	2012	7	2	3	V	4.3	0.2	2.59	178
401431127	2012	7	2	4	V	0.8	0.1	3.08	185
401431127	2012	7	2	5	V	0.9	0.1	2.39	194
401431127	2012	7	2	6	V	8.4	0.1	2.54	188
401431127	2012	7	2	7	V	1.2	0.1	3.08	192
401431127	2012	7	2	8	V	1.4	0.2	3.25	188
401431127	2012	7	2	9	V	1.4	0.1	4.46	185
401431127	2012	7	2	10	V	1.2	0.1	5.24	195
401431127	2012	7	2	11	V	1.6	0.1	5.77	191
401431127	2012	7	2	12	V	2.3	0.2	5.7	187
401431127	2012	7	2	13	V	2.5	0.2	5.97	193
401431127	2012	7	2	14	V	3.2	0.2	5.5	195
401431127	2012	7	2	15	V	2.1	0.2	4.61	189
401431127	2012	7	2	16	V	2.7	0.2	5.9	197
401431127	2012	7	2	17	V	2.2	0.2	6.58	192
401431127	2012	7	2	18	V	5.8	0.1	6.18	188
401431127	2012	7	2	19	V	1.5	0	5.05	178
401431127	2012	7	2	20	V	1.9	0	4.58	182

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	2	21	V	1.4	0	3.46	182
401431127	2012	7	2	22	V	1.0	0	2.86	184
401431127	2012	7	2	23	V	0.9	0	1.64	192
401431127	2012	7	2	24	V	2.4	0	2.5	193
401431127	2012	7	3	1	V	5.8	0	3.2	191
401431127	2012	7	3	2	V	2.7	0	3.51	187
401431127	2012	7	3	3	V	4.3	0	2.52	183
401431127	2012	7	3	4	V	0.7	0	2.4	181
401431127	2012	7	3	5	V	2.5	0	2.06	199
401431127	2012	7	3	6	V	8.3	0	2.25	180
401431127	2012	7	3	7	V	0.9	0	3.03	177
401431127	2012	7	3	8	V	2.6	0.1	3.47	200
401431127	2012	7	3	9	V	2.5	0.2	4.78	205
401431127	2012	7	3	10	V	1.6	0.3	4.65	211
401431127	2012	7	3	11	V	1.8	0.5	5.19	197
401431127	2012	7	3	12	V	2.4	0.6	5.82	196
401431127	2012	7	3	13	V	2.6	0.6	5.7	197
401431127	2012	7	3	14	V	3.3	0.6	6.07	199
401431127	2012	7	3	15	V	2.1	0.5	6.89	194
401431127	2012	7	3	16	V	2.5	0.4	6.62	188
401431127	2012	7	3	17	V	2.2	0.3	6.24	192
401431127	2012	7	3	18	V	6.1	0.3	5.33	201
401431127	2012	7	3	19	V	1.7	0.2	5.05	195
401431127	2012	7	3	20	V	14.8	0.2	2.21	206
401431127	2012	7	3	21	V	11.1	0.2	1.6	204
401431127	2012	7	3	22	V	3.2	0.5	2.69	199
401431127	2012	7	3	23	V	1.7	0.3	3.32	195
401431127	2012	7	3	24	V	4.1	0.2	2.91	198
401431127	2012	7	4	1	V	5.7	0.2	2.3	192
401431127	2012	7	4	2	V	3.9	0.2	1.89	198
401431127	2012	7	4	3	V	4.4	0.3	2.11	188
401431127	2012	7	4	4	V	1.9	0.3	2.36	198
401431127	2012	7	4	5	V	1.8	0.2	2.04	198
401431127	2012	7	4	6	V	24.0	0.2	1.42	211
401431127	2012	7	4	7	V	1.2	0.2	2.89	191
401431127	2012	7	4	8	V	1.7	0.1	4.34	197
401431127	2012	7	4	9	V	1.9	0.2	4.51	198
401431127	2012	7	4	10	V	1.2	0.4	5.89	196
401431127	2012	7	4	11	V	1.6	0.5	6.36	188
401431127	2012	7	4	12	V	2.4	0.4	6.55	196
401431127	2012	7	4	13	V	2.5	0.4	6.46	190
401431127	2012	7	4	14	V	3.1	0.3	6.16	190
401431127	2012	7	4	15	V	2.3	0.3	5.75	199
401431127	2012	7	4	16	V	2.7	0.3	5.75	198
401431127	2012	7	4	17	V	2.3	0.3	5.02	193
401431127	2012	7	4	18	V	5.8	0.3	5.07	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	4	19	V	1.5	0.2	4.39	183
401431127	2012	7	4	20	V	1.9	0.2	3.54	173
401431127	2012	7	4	21	V	1.4	0.2	3.29	176
401431127	2012	7	4	22	V	5.6	0.3	2.89	201
401431127	2012	7	4	23	V	3.2	0.4	2.81	199
401431127	2012	7	4	24	V	2.4	0.4	2.5	194
401431127	2012	7	5	1	V	6.1	0.3	2.98	194
401431127	2012	7	5	2	V	6.5	0.3	2.57	201
401431127	2012	7	5	3	V	18.8	0.3	1.42	212
401431127	2012	7	5	4	V	1.0	0.3	0.63	346
401431127	2012	7	5	5	C	-999	0.3	0	0
401431127	2012	7	5	6	V	9.3	0.2	0.75	224
401431127	2012	7	5	7	V	1.2	0.2	1.38	164
401431127	2012	7	5	8	V	1.3	0.2	3.42	185
401431127	2012	7	5	9	V	1.5	0.6	3.81	187
401431127	2012	7	5	10	V	1.2	0.9	4.9	193
401431127	2012	7	5	11	V	1.6	0.6	5.6	189
401431127	2012	7	5	12	V	2.3	0.5	4.66	191
401431127	2012	7	5	13	V	2.5	0.4	4.8	188
401431127	2012	7	5	14	V	3.2	0.3	5.05	195
401431127	2012	7	5	15	V	2.0	0.3	4.78	182
401431127	2012	7	5	16	V	2.5	0.2	5	168
401431127	2012	7	5	17	V	2.1	0.2	5	178
401431127	2012	7	5	18	V	5.9	0.2	4.02	190
401431127	2012	7	5	19	V	1.7	0.2	3.78	193
401431127	2012	7	5	20	V	1.9	0.1	2.49	183
401431127	2012	7	5	21	V	8.1	0.1	1.23	216
401431127	2012	7	5	22	V	9.6	0.1	1.31	215
401431127	2012	7	5	23	V	4.3	0.2	1.28	218
401431127	2012	7	5	24	V	10.7	2	1.23	215
401431127	2012	7	6	1	V	5.8	0.9	0.55	253
401431127	2012	7	6	2	V	5.9	1.5	0.58	219
401431127	2012	7	6	3	V	4.6	1.5	0.58	335
401431127	2012	7	6	4	V	1.0	1.1	0.55	327
401431127	2012	7	6	5	V	1.0	0.8	0.53	286
401431127	2012	7	6	6	C	-999	0.8	0	0
401431127	2012	7	6	7	V	7.1	1	1.23	205
401431127	2012	7	6	8	V	4.0	4	1.74	196
401431127	2012	7	6	9	V	2.7	1.9	3.27	210
401431127	2012	7	6	10	V	1.8	1.4	3.54	209
401431127	2012	7	6	11	V	1.7	-999	2.56	183
401431127	2012	7	6	12	V	2.3	-999	3.29	173
401431127	2012	7	6	13	V	2.5	-999	3.88	178
401431127	2012	7	6	14	V	3.1	0.9	3.9	170
401431127	2012	7	6	15	V	2.0	0.6	4.34	164
401431127	2012	7	6	16	V	2.6	0.5	2.9	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	6	17	V	2.2	0.6	3.29	186
401431127	2012	7	6	18	V	6.0	1	2.35	225
401431127	2012	7	6	19	V	1.7	0.9	1.82	231
401431127	2012	7	6	20	V	2.0	0.6	1.06	229
401431127	2012	7	6	21	V	1.8	0.7	0.8	226
401431127	2012	7	6	22	V	1.3	0.7	0.57	164
401431127	2012	7	6	23	V	0.9	0.7	0.75	267
401431127	2012	7	6	24	V	4.4	0.6	0.72	221
401431127	2012	7	7	1	V	5.8	0.6	0.53	171
401431127	2012	7	7	2	V	8.0	0.5	0.91	202
401431127	2012	7	7	3	V	4.5	0.4	0.86	244
401431127	2012	7	7	4	V	0.8	0.5	1.04	330
401431127	2012	7	7	5	V	0.8	0.4	0.91	247
401431127	2012	7	7	6	V	16.9	0.3	0.97	205
401431127	2012	7	7	7	V	1.7	0.4	0.77	248
401431127	2012	7	7	8	V	1.5	0.3	1.38	150
401431127	2012	7	7	9	V	1.4	0.1	4.1	89
401431127	2012	7	7	10	V	1.0	0.1	2.76	141
401431127	2012	7	7	11	V	1.7	0.1	1.6	155
401431127	2012	7	7	12	V	2.4	0.1	1.81	236
401431127	2012	7	7	13	V	2.7	0.1	1.94	227
401431127	2012	7	7	14	V	3.3	0.1	2.59	223
401431127	2012	7	7	15	V	2.2	0.1	2.78	225
401431127	2012	7	7	16	V	2.6	0.3	2.67	191
401431127	2012	7	7	17	V	2.2	0.5	3.85	179
401431127	2012	7	7	18	V	5.8	0.5	3.51	183
401431127	2012	7	7	19	V	1.5	0.3	2.66	177
401431127	2012	7	7	20	V	1.9	0.2	1.42	155
401431127	2012	7	7	21	V	1.6	0.3	0.53	261
401431127	2012	7	7	22	V	1.5	0.3	2.3	54
401431127	2012	7	7	23	V	3.1	0.1	2.18	52
401431127	2012	7	7	24	V	2.4	0.1	0.63	354
401431127	2012	7	8	1	V	5.7	0.1	0.97	301
401431127	2012	7	8	2	V	5.2	0.1	1.21	219
401431127	2012	7	8	3	V	4.5	0.1	0.7	274
401431127	2012	7	8	4	V	0.8	0.1	1.79	357
401431127	2012	7	8	5	V	0.8	0.1	0.67	351
401431127	2012	7	8	6	V	10.2	0.1	1.14	220
401431127	2012	7	8	7	V	1.4	0.1	1.01	248
401431127	2012	7	8	8	V	1.8	0.1	1.64	181
401431127	2012	7	8	9	V	1.7	0.1	1.31	313
401431127	2012	7	8	10	V	1.3	0.1	1.09	2
401431127	2012	7	8	11	V	1.8	0.1	1.54	22
401431127	2012	7	8	12	V	2.5	0	1.13	346
401431127	2012	7	8	13	V	2.6	0	1.59	18
401431127	2012	7	8	14	V	3.1	0.1	2.71	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	8	15	V	2.0	0.3	3.81	12
401431127	2012	7	8	16	V	2.5	0.5	3.2	348
401431127	2012	7	8	17	V	2.2	0.5	2.49	341
401431127	2012	7	8	18	V	5.8	0.5	2.2	356
401431127	2012	7	8	19	V	1.6	0.3	1.2	327
401431127	2012	7	8	20	V	5.4	0.2	2.3	219
401431127	2012	7	8	21	V	1.4	0.1	3.57	139
401431127	2012	7	8	22	V	1.0	0.1	2.2	171
401431127	2012	7	8	23	V	0.7	0.1	2.52	106
401431127	2012	7	8	24	V	2.2	0.1	1.77	117
401431127	2012	7	9	1	V	5.5	0.1	2.28	179
401431127	2012	7	9	2	V	2.8	0.1	0.92	236
401431127	2012	7	9	3	V	4.6	0.1	0.62	26
401431127	2012	7	9	4	V	1.0	0.2	0.67	344
401431127	2012	7	9	5	V	1.0	0.1	1.74	56
401431127	2012	7	9	6	V	8.4	0.1	1.64	89
401431127	2012	7	9	7	V	1.0	0.1	2.01	120
401431127	2012	7	9	8	V	1.5	0.1	1.53	154
401431127	2012	7	9	9	V	2.6	0.1	1.26	196
401431127	2012	7	9	10	V	1.2	0.1	1.48	94
401431127	2012	7	9	11	V	2.2	0.1	3.64	53
401431127	2012	7	9	12	V	2.7	0.5	3.98	41
401431127	2012	7	9	13	V	3.0	0.7	4.15	48
401431127	2012	7	9	14	V	3.6	1.1	5.55	48
401431127	2012	7	9	15	V	2.5	1.2	5.43	48
401431127	2012	7	9	16	V	3.0	0.9	5.16	46
401431127	2012	7	9	17	V	2.2	0.6	6.09	61
401431127	2012	7	9	18	V	6.2	0.8	5.75	53
401431127	2012	7	9	19	V	1.8	1.2	4.75	56
401431127	2012	7	9	20	V	2.3	0.6	4.63	55
401431127	2012	7	9	21	V	1.4	0.2	4.56	65
401431127	2012	7	9	22	V	1.0	0.1	3.81	77
401431127	2012	7	9	23	V	0.7	0.1	2.67	96
401431127	2012	7	9	24	V	2.2	0.1	1.7	171
401431127	2012	7	10	1	V	5.7	0.1	0.8	242
401431127	2012	7	10	2	V	2.7	0.1	1.01	319
401431127	2012	7	10	3	V	4.5	0.1	0.8	337
401431127	2012	7	10	4	V	0.8	0.1	1.89	101
401431127	2012	7	10	5	V	0.7	0.1	1.28	88
401431127	2012	7	10	6	V	8.6	0.1	0.58	68
401431127	2012	7	10	7	V	1.9	0.1	1.14	29
401431127	2012	7	10	8	V	1.5	0.1	2.04	22
401431127	2012	7	10	9	V	2.7	0.1	3.37	37
401431127	2012	7	10	10	V	1.6	0.1	3.98	36
401431127	2012	7	10	11	V	2.4	0.4	4.54	39
401431127	2012	7	10	12	V	2.2	0.8	4.48	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	10	13	V	2.4	1.3	3.8	6
401431127	2012	7	10	14	V	3.0	1	5.11	20
401431127	2012	7	10	15	V	2.0	1.2	5.33	18
401431127	2012	7	10	16	V	2.5	1.2	5.19	27
401431127	2012	7	10	17	V	2.2	1.4	5.04	30
401431127	2012	7	10	18	V	5.8	1	5.05	31
401431127	2012	7	10	19	V	1.5	0.6	3.83	20
401431127	2012	7	10	20	V	1.9	0.4	2.96	18
401431127	2012	7	10	21	V	1.4	0.3	1.77	2
401431127	2012	7	10	22	V	1.0	0.3	1.82	352
401431127	2012	7	10	23	V	0.8	0.6	0.99	18
401431127	2012	7	10	24	V	2.3	0.5	1.09	7
401431127	2012	7	11	1	V	5.6	0.3	1.89	175
401431127	2012	7	11	2	V	7.2	0.2	0.79	217
401431127	2012	7	11	3	V	4.7	0.3	0.53	279
401431127	2012	7	11	4	V	1.0	0.2	0.52	329
401431127	2012	7	11	5	V	0.8	0.2	0.77	347
401431127	2012	7	11	6	V	8.4	0.2	1.06	5
401431127	2012	7	11	7	V	1.4	0.2	0.96	356
401431127	2012	7	11	8	V	1.4	0.2	1.94	16
401431127	2012	7	11	9	V	2.7	0.1	2.08	46
401431127	2012	7	11	10	V	1.6	0.5	2.3	61
401431127	2012	7	11	11	V	2.2	0.9	2.66	36
401431127	2012	7	11	12	V	2.6	1	3.2	34
401431127	2012	7	11	13	V	2.9	1.9	3.57	51
401431127	2012	7	11	14	V	3.5	1.4	4.41	52
401431127	2012	7	11	15	V	2.5	1.1	4.87	46
401431127	2012	7	11	16	V	2.9	0.8	4.56	43
401431127	2012	7	11	17	V	2.6	0.6	5.12	50
401431127	2012	7	11	18	V	6.3	0.5	4.68	50
401431127	2012	7	11	19	V	2.1	0.4	4.37	51
401431127	2012	7	11	20	V	4.5	0.3	2.96	51
401431127	2012	7	11	21	V	4.0	0.4	1.52	41
401431127	2012	7	11	22	V	1.1	0.5	1.16	353
401431127	2012	7	11	23	C	-999	0.5	0	0
401431127	2012	7	11	24	C	-999	0.3	0	0
401431127	2012	7	12	1	C	-999	0.3	0	0
401431127	2012	7	12	2	C	-999	0.3	0	0
401431127	2012	7	12	3	V	4.6	0.3	0.74	174
401431127	2012	7	12	4	V	1.2	0.2	0.8	226
401431127	2012	7	12	5	V	0.9	0.4	0.57	247
401431127	2012	7	12	6	V	8.6	0.5	0.63	298
401431127	2012	7	12	7	V	1.2	0.4	1.16	88
401431127	2012	7	12	8	V	1.9	0.4	1.14	176
401431127	2012	7	12	9	V	1.9	0.2	1.04	286
401431127	2012	7	12	10	V	1.3	0.2	2.2	68

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	12	11	V	1.6	0.4	2.35	82
401431127	2012	7	12	12	V	2.2	0.8	3.76	83
401431127	2012	7	12	13	V	2.5	0.9	4.12	72
401431127	2012	7	12	14	V	3.0	0.6	3.98	91
401431127	2012	7	12	15	V	2.0	0.7	3.34	117
401431127	2012	7	12	16	V	2.7	0.8	2.67	59
401431127	2012	7	12	17	V	2.2	0.4	2.81	115
401431127	2012	7	12	18	V	5.8	0.3	2.56	108
401431127	2012	7	12	19	V	1.5	0.3	2.1	108
401431127	2012	7	12	20	V	1.9	0.3	1.86	74
401431127	2012	7	12	21	V	1.4	0.3	1.4	172
401431127	2012	7	12	22	V	1.2	0.4	0.6	291
401431127	2012	7	12	23	V	1.8	0.4	0.55	226
401431127	2012	7	12	24	V	2.3	0.3	1.62	180
401431127	2012	7	13	1	V	5.5	0.2	2.33	159
401431127	2012	7	13	2	V	2.9	0.2	1.42	193
401431127	2012	7	13	3	V	12.1	0.1	1.33	203
401431127	2012	7	13	4	V	1.1	0.1	0.96	225
401431127	2012	7	13	5	V	2.1	0.1	0.6	224
401431127	2012	7	13	6	V	10.9	0.2	0.74	220
401431127	2012	7	13	7	V	7.7	0.2	1.3	207
401431127	2012	7	13	8	V	3.0	0.4	2.49	196
401431127	2012	7	13	9	V	2.7	0.5	2.84	198
401431127	2012	7	13	10	V	1.7	0.4	2.08	223
401431127	2012	7	13	11	V	1.8	0.3	1.72	175
401431127	2012	7	13	12	V	2.4	0.6	1.76	99
401431127	2012	7	13	13	V	2.5	0.9	1.91	83
401431127	2012	7	13	14	V	3.1	0.9	2.37	84
401431127	2012	7	13	15	V	2.1	0.5	2.71	118
401431127	2012	7	13	16	V	2.5	0.4	2.72	121
401431127	2012	7	13	17	V	2.1	0.4	7.4	99
401431127	2012	7	13	18	V	5.8	0.2	5.34	16
401431127	2012	7	13	19	V	1.6	0.1	1.48	163
401431127	2012	7	13	20	V	1.9	0.2	2.38	177
401431127	2012	7	13	21	V	1.5	0.2	1.01	280
401431127	2012	7	13	22	V	1.1	0.3	0.84	286
401431127	2012	7	13	23	V	0.9	0.3	0.77	314
401431127	2012	7	13	24	V	2.4	0.3	0.69	329
401431127	2012	7	14	1	V	5.6	0.3	0.97	238
401431127	2012	7	14	2	V	2.9	0.4	0.67	287
401431127	2012	7	14	3	V	4.5	0.3	0.79	337
401431127	2012	7	14	4	V	1.0	0.2	0.67	270
401431127	2012	7	14	5	C	-999	0.2	0	0
401431127	2012	7	14	6	V	8.7	0.4	0.65	231
401431127	2012	7	14	7	V	4.2	0.5	1.01	222
401431127	2012	7	14	8	V	2.2	0.4	0.91	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	14	9	V	2.9	0.2	1.64	205
401431127	2012	7	14	10	V	1.7	0.2	1.71	219
401431127	2012	7	14	11	V	2.2	0.2	2.03	209
401431127	2012	7	14	12	V	2.5	0.2	1.25	197
401431127	2012	7	14	13	V	2.5	0.3	2.03	284
401431127	2012	7	14	14	V	3.1	0.4	2.35	84
401431127	2012	7	14	15	V	2.2	0.3	2.25	48
401431127	2012	7	14	16	V	2.7	0.3	2.83	30
401431127	2012	7	14	17	V	2.5	0.7	2.81	44
401431127	2012	7	14	18	V	5.8	1.3	6.23	157
401431127	2012	7	14	19	V	1.5	0.4	5.65	165
401431127	2012	7	14	20	V	1.9	0.2	4.41	171
401431127	2012	7	14	21	V	1.4	0.1	3.66	175
401431127	2012	7	14	22	V	1.0	0.1	3.24	167
401431127	2012	7	14	23	V	0.7	0.1	2.18	179
401431127	2012	7	14	24	V	2.4	0.1	1.57	192
401431127	2012	7	15	1	V	5.7	0.1	1.35	188
401431127	2012	7	15	2	V	17.6	0.1	1.25	210
401431127	2012	7	15	3	V	12.2	0.1	0.92	205
401431127	2012	7	15	4	V	0.9	0.1	0.87	254
401431127	2012	7	15	5	V	0.8	0.1	0.86	251
401431127	2012	7	15	6	V	8.6	0.1	0.67	235
401431127	2012	7	15	7	V	1.3	0.2	1.01	144
401431127	2012	7	15	8	V	1.6	0.1	1.62	165
401431127	2012	7	15	9	V	1.5	0.1	2.04	143
401431127	2012	7	15	10	V	1.1	0.1	2.57	141
401431127	2012	7	15	11	V	1.6	0	2.86	155
401431127	2012	7	15	12	V	2.3	0	3	118
401431127	2012	7	15	13	V	2.4	0.1	3.13	112
401431127	2012	7	15	14	V	3.1	0.1	4.12	130
401431127	2012	7	15	15	V	2.0	0.3	4.48	119
401431127	2012	7	15	16	V	2.5	0.6	3.97	100
401431127	2012	7	15	17	V	2.1	0.8	4.73	129
401431127	2012	7	15	18	V	5.8	0.6	5.84	159
401431127	2012	7	15	19	V	1.5	0.3	3.75	152
401431127	2012	7	15	20	V	1.9	0.1	2.72	141
401431127	2012	7	15	21	V	1.4	0.2	2.4	118
401431127	2012	7	15	22	V	1.0	0.1	1.94	147
401431127	2012	7	15	23	V	0.8	0.1	1.09	173
401431127	2012	7	15	24	V	2.5	0.1	0.6	256
401431127	2012	7	16	1	V	5.7	0.1	0.82	243
401431127	2012	7	16	2	V	2.7	0.1	1.13	158
401431127	2012	7	16	3	V	4.4	0.1	1.96	180
401431127	2012	7	16	4	V	0.7	0.1	2.49	169
401431127	2012	7	16	5	V	0.6	0.1	2.44	177
401431127	2012	7	16	6	V	8.3	0.1	2.71	150

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	16	7	V	0.9	0.1	3.41	165
401431127	2012	7	16	8	V	1.2	0.1	4.93	173
401431127	2012	7	16	9	V	1.4	0	4.44	186
401431127	2012	7	16	10	V	1.0	0	4.37	183
401431127	2012	7	16	11	V	1.9	0.1	4.75	197
401431127	2012	7	16	12	V	2.3	0.1	5.12	189
401431127	2012	7	16	13	V	2.4	0.2	4.58	182
401431127	2012	7	16	14	V	3.0	0.3	4.99	180
401431127	2012	7	16	15	V	2.0	0.2	5.02	186
401431127	2012	7	16	16	V	2.7	0.2	5.16	195
401431127	2012	7	16	17	V	2.3	0.2	4.92	196
401431127	2012	7	16	18	V	5.8	0.2	5.55	186
401431127	2012	7	16	19	V	1.7	0.2	5.17	195
401431127	2012	7	16	20	V	1.9	0.2	4.17	186
401431127	2012	7	16	21	V	1.4	0.2	3.17	178
401431127	2012	7	16	22	V	1.0	0.2	2.86	183
401431127	2012	7	16	23	V	0.7	0.1	3.12	175
401431127	2012	7	16	24	V	2.2	0.1	3.46	180
401431127	2012	7	17	1	V	5.6	0.1	3.46	184
401431127	2012	7	17	2	V	2.6	0.2	3.01	178
401431127	2012	7	17	3	V	4.4	0.2	2.04	171
401431127	2012	7	17	4	V	0.8	0.2	1.91	172
401431127	2012	7	17	5	V	0.7	0.2	1.76	175
401431127	2012	7	17	6	V	8.4	0.2	3.3	188
401431127	2012	7	17	7	V	0.9	0.2	4.14	189
401431127	2012	7	17	8	V	1.5	0.2	4.44	196
401431127	2012	7	17	9	V	2.1	0.4	4.94	201
401431127	2012	7	17	10	V	1.5	-999	4.88	215
401431127	2012	7	17	11	V	2.1	-999	4.66	211
401431127	2012	7	17	12	V	2.7	-999	5.16	209
401431127	2012	7	17	13	V	2.7	1.1	5.16	201
401431127	2012	7	17	14	V	3.2	0.7	5.07	193
401431127	2012	7	17	15	V	2.3	0.6	5.04	199
401431127	2012	7	17	16	V	2.5	0.5	5.97	181
401431127	2012	7	17	17	V	2.1	0.5	5.65	181
401431127	2012	7	17	18	V	5.9	0.6	5.29	192
401431127	2012	7	17	19	V	1.6	0.7	5.24	191
401431127	2012	7	17	20	V	2.8	0.4	3.95	194
401431127	2012	7	17	21	V	1.5	3	2.88	189
401431127	2012	7	17	22	V	1.0	1.6	2.62	185
401431127	2012	7	17	23	V	14.6	0.8	1.99	206
401431127	2012	7	17	24	V	17.9	0.9	1.67	207
401431127	2012	7	18	1	V	23.2	1.1	1.86	208
401431127	2012	7	18	2	V	8.7	1.1	1.59	202
401431127	2012	7	18	3	V	5.9	1.1	1.47	198
401431127	2012	7	18	4	V	10.3	1.4	1.82	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	18	5	V	0.9	2.1	1.08	191
401431127	2012	7	18	6	V	18.3	3.4	1.03	206
401431127	2012	7	18	7	V	5.2	2.4	2.08	211
401431127	2012	7	18	8	V	2.1	0.8	3.71	217
401431127	2012	7	18	9	V	1.7	0.5	4.7	220
401431127	2012	7	18	10	V	2.1	0.6	4.78	209
401431127	2012	7	18	11	V	2.1	1.6	3.46	200
401431127	2012	7	18	12	V	2.7	2.1	4.02	207
401431127	2012	7	18	13	V	2.9	1.3	4.31	207
401431127	2012	7	18	14	V	3.4	1.1	3.98	213
401431127	2012	7	18	15	V	2.3	0.8	4.03	218
401431127	2012	7	18	16	V	2.8	1.1	4.27	212
401431127	2012	7	18	17	V	2.5	0.8	3.97	210
401431127	2012	7	18	18	V	5.9	1.1	3.37	227
401431127	2012	7	18	19	V	2.2	1.2	3.51	210
401431127	2012	7	18	20	V	4.6	3.4	4.19	198
401431127	2012	7	18	21	V	7.3	0.9	2.88	202
401431127	2012	7	18	22	V	14.6	0.5	2.49	206
401431127	2012	7	18	23	V	6.6	0.5	2.98	202
401431127	2012	7	18	24	V	13.8	0.5	3.58	208
401431127	2012	7	19	1	V	14.5	3.3	3.76	205
401431127	2012	7	19	2	V	4.0	5.3	2.45	198
401431127	2012	7	19	3	V	18.1	3.4	2.78	207
401431127	2012	7	19	4	V	18.7	0.9	2.1	208
401431127	2012	7	19	5	V	6.9	0.6	3.05	216
401431127	2012	7	19	6	V	13.8	0.5	2.28	217
401431127	2012	7	19	7	V	1.9	0.5	3.22	218
401431127	2012	7	19	8	V	1.3	0.4	3.2	230
401431127	2012	7	19	9	V	1.4	0.4	3	236
401431127	2012	7	19	10	V	1.0	-999	2.95	237
401431127	2012	7	19	11	V	1.6	-999	2.56	245
401431127	2012	7	19	12	V	2.8	-999	2.37	209
401431127	2012	7	19	13	V	2.7	-999	1.99	209
401431127	2012	7	19	14	V	3.3	-999	2.81	214
401431127	2012	7	19	15	V	2.2	1.1	3.25	199
401431127	2012	7	19	16	V	2.6	0.6	2.98	193
401431127	2012	7	19	17	V	2.4	0.8	3.56	212
401431127	2012	7	19	18	V	5.9	0.5	3.71	230
401431127	2012	7	19	19	V	1.5	0.1	4	348
401431127	2012	7	19	20	V	1.9	0	3.88	146
401431127	2012	7	19	21	V	15.0	0	2.78	208
401431127	2012	7	19	22	V	1.2	0	2.4	226
401431127	2012	7	19	23	V	0.8	0.1	1.14	251
401431127	2012	7	19	24	V	2.3	0.1	1.04	290
401431127	2012	7	20	1	V	5.7	0	0.96	18
401431127	2012	7	20	2	V	2.8	0.1	1.04	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	20	3	V	4.5	0.1	0.8	294
401431127	2012	7	20	4	V	0.8	0.1	1.06	342
401431127	2012	7	20	5	V	0.8	0.1	0.96	312
401431127	2012	7	20	6	V	8.7	0.3	0.52	285
401431127	2012	7	20	7	C	-999	0.3	0	0
401431127	2012	7	20	8	V	2.5	0.1	0.75	29
401431127	2012	7	20	9	V	1.9	0	0.89	26
401431127	2012	7	20	10	V	1.6	0	1.99	38
401431127	2012	7	20	11	V	1.7	0.2	2.38	22
401431127	2012	7	20	12	V	2.4	0.3	2.33	20
401431127	2012	7	20	13	V	2.5	0.3	2.52	18
401431127	2012	7	20	14	V	3.1	1	3.37	20
401431127	2012	7	20	15	V	2.1	1.2	3.22	17
401431127	2012	7	20	16	V	2.6	0.5	4.63	29
401431127	2012	7	20	17	V	2.3	0.4	5.14	37
401431127	2012	7	20	18	V	5.9	0.3	4.49	33
401431127	2012	7	20	19	V	1.6	0.6	4.99	34
401431127	2012	7	20	20	V	1.9	0.3	3.54	27
401431127	2012	7	20	21	V	1.4	0.2	2.45	30
401431127	2012	7	20	22	V	1.0	0.1	3.29	31
401431127	2012	7	20	23	V	0.7	0.1	2.86	26
401431127	2012	7	20	24	V	2.2	0.2	2.11	18
401431127	2012	7	21	1	V	5.6	0.1	1.76	359
401431127	2012	7	21	2	V	2.6	0.2	2.78	10
401431127	2012	7	21	3	V	4.3	0.2	2.44	11
401431127	2012	7	21	4	V	0.7	0.2	2.15	8
401431127	2012	7	21	5	V	0.7	0.1	1.67	6
401431127	2012	7	21	6	V	8.4	0.1	1.6	8
401431127	2012	7	21	7	V	1.0	0.1	2.38	24
401431127	2012	7	21	8	V	3.7	0.1	2.33	42
401431127	2012	7	21	9	V	1.9	0	2.35	65
401431127	2012	7	21	10	V	1.0	0.1	2.44	83
401431127	2012	7	21	11	V	2.7	0.1	2.4	45
401431127	2012	7	21	12	V	2.5	0.2	3.42	29
401431127	2012	7	21	13	V	2.9	1	4.17	41
401431127	2012	7	21	14	V	3.2	1.7	4.37	65
401431127	2012	7	21	15	V	2.2	0.6	4.32	63
401431127	2012	7	21	16	V	2.5	0.4	4.75	67
401431127	2012	7	21	17	V	2.2	0.4	4.44	69
401431127	2012	7	21	18	V	5.8	0.4	4.75	69
401431127	2012	7	21	19	V	1.5	0.4	4.22	73
401431127	2012	7	21	20	V	1.9	0.4	3	78
401431127	2012	7	21	21	V	1.4	0.3	2.33	62
401431127	2012	7	21	22	V	1.0	0.2	3.47	90
401431127	2012	7	21	23	V	0.7	0.3	3.64	101
401431127	2012	7	21	24	V	2.2	0.2	2.37	120

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	22	1	V	5.6	0.2	1.91	120
401431127	2012	7	22	2	V	2.6	0.2	2.62	122
401431127	2012	7	22	3	V	4.4	0.1	1.89	137
401431127	2012	7	22	4	V	0.9	0.1	0.92	164
401431127	2012	7	22	5	V	0.9	0.1	0.57	30
401431127	2012	7	22	6	C	-999	0.1	0	0
401431127	2012	7	22	7	V	1.1	0.2	1.48	177
401431127	2012	7	22	8	V	1.3	0	3.3	137
401431127	2012	7	22	9	V	1.4	0	3.61	144
401431127	2012	7	22	10	V	1.0	0	3.78	142
401431127	2012	7	22	11	V	1.6	0	3.51	130
401431127	2012	7	22	12	V	2.3	0	2.86	112
401431127	2012	7	22	13	V	2.4	0.1	3.88	92
401431127	2012	7	22	14	V	3.1	0.4	3.8	108
401431127	2012	7	22	15	V	2.0	1	3.59	110
401431127	2012	7	22	16	V	2.5	0.7	3.66	122
401431127	2012	7	22	17	V	2.1	0.6	3.9	132
401431127	2012	7	22	18	V	5.8	0.9	4.58	141
401431127	2012	7	22	19	V	1.5	1.1	3.92	134
401431127	2012	7	22	20	V	1.9	0.4	2.35	119
401431127	2012	7	22	21	C	-999	0.2	0	0
401431127	2012	7	22	22	V	1.3	0	0.72	188
401431127	2012	7	22	23	V	0.7	0.2	2.03	154
401431127	2012	7	22	24	V	2.2	0.1	2.84	180
401431127	2012	7	23	1	V	5.8	0	3.08	192
401431127	2012	7	23	2	V	2.7	0	2.08	182
401431127	2012	7	23	3	V	4.4	0.1	2.22	172
401431127	2012	7	23	4	V	0.7	0.1	3.01	168
401431127	2012	7	23	5	V	0.6	0	3.25	174
401431127	2012	7	23	6	V	8.3	0	2.32	173
401431127	2012	7	23	7	V	1.0	0	1.98	171
401431127	2012	7	23	8	V	1.3	0	3.05	186
401431127	2012	7	23	9	V	1.4	0	3.59	181
401431127	2012	7	23	10	V	1.0	0.2	3.22	180
401431127	2012	7	23	11	V	1.6	0.4	3.75	183
401431127	2012	7	23	12	V	2.2	0.5	4.29	141
401431127	2012	7	23	13	V	2.4	0.4	4.9	147
401431127	2012	7	23	14	V	3.0	0.4	5	146
401431127	2012	7	23	15	V	2.0	0.3	4.95	160
401431127	2012	7	23	16	V	2.5	0.3	4.42	160
401431127	2012	7	23	17	V	2.1	0.3	4.61	171
401431127	2012	7	23	18	V	5.8	0.3	4.66	164
401431127	2012	7	23	19	V	1.5	0.3	4.68	170
401431127	2012	7	23	20	V	1.9	0.2	3.86	170
401431127	2012	7	23	21	V	1.4	0.1	3.68	183
401431127	2012	7	23	22	V	1.4	0	4.63	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	23	23	V	0.8	0	4.32	187
401431127	2012	7	23	24	V	2.7	0	3.83	192
401431127	2012	7	24	1	V	5.7	0	3.46	189
401431127	2012	7	24	2	V	2.7	0	3.73	186
401431127	2012	7	24	3	V	4.4	0	2.64	186
401431127	2012	7	24	4	V	0.9	0	2.16	191
401431127	2012	7	24	5	V	0.8	0	2.42	194
401431127	2012	7	24	6	V	8.4	0	2.1	182
401431127	2012	7	24	7	V	1.0	0	2.55	185
401431127	2012	7	24	8	V	1.4	0	4.03	193
401431127	2012	7	24	9	V	1.4	0	5.12	187
401431127	2012	7	24	10	V	1.0	0	5.6	187
401431127	2012	7	24	11	V	1.6	0.2	5.87	188
401431127	2012	7	24	12	V	2.2	0.2	6.33	183
401431127	2012	7	24	13	V	2.5	0.2	5.38	191
401431127	2012	7	24	14	V	3.3	0.3	4.78	200
401431127	2012	7	24	15	V	2.0	0.3	5.11	181
401431127	2012	7	24	16	V	2.5	0.3	6.02	180
401431127	2012	7	24	17	V	2.2	0.2	4.99	191
401431127	2012	7	24	18	V	6.0	0.2	5.5	198
401431127	2012	7	24	19	V	1.7	0.2	5.09	195
401431127	2012	7	24	20	V	2.0	0.2	4.85	187
401431127	2012	7	24	21	V	1.4	0.1	3.66	184
401431127	2012	7	24	22	V	1.0	0	2.76	185
401431127	2012	7	24	23	V	0.8	0	3.2	187
401431127	2012	7	24	24	V	2.2	0	3.27	181
401431127	2012	7	25	1	V	5.6	0	4.12	185
401431127	2012	7	25	2	V	2.7	0	4.19	186
401431127	2012	7	25	3	V	4.4	0	3.85	187
401431127	2012	7	25	4	V	0.7	0	2.88	180
401431127	2012	7	25	5	V	0.6	0	2.54	171
401431127	2012	7	25	6	V	8.3	0	3.1	180
401431127	2012	7	25	7	V	0.9	0	3.86	185
401431127	2012	7	25	8	V	1.4	0	5.67	196
401431127	2012	7	25	9	V	1.5	0.1	5.97	196
401431127	2012	7	25	10	V	1.3	0.1	5.87	199
401431127	2012	7	25	11	V	2.0	0.2	5.46	200
401431127	2012	7	25	12	V	2.4	0.4	5.7	194
401431127	2012	7	25	13	V	2.5	0.3	6.31	188
401431127	2012	7	25	14	V	3.1	0.3	6.04	192
401431127	2012	7	25	15	V	2.1	0.4	6.47	192
401431127	2012	7	25	16	V	2.6	0.4	6.72	196
401431127	2012	7	25	17	V	2.4	0.4	6.55	198
401431127	2012	7	25	18	V	6.1	0.3	6.26	201
401431127	2012	7	25	19	V	1.6	0.4	6.43	195
401431127	2012	7	25	20	V	2.8	0.8	5.39	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	25	21	V	1.4	0.3	4.61	186
401431127	2012	7	25	22	V	1.1	0.1	4.51	188
401431127	2012	7	25	23	V	0.9	0.1	4.82	188
401431127	2012	7	25	24	V	2.6	0.1	4.78	191
401431127	2012	7	26	1	V	6.3	0.1	4.73	193
401431127	2012	7	26	2	V	3.2	0.2	4.87	192
401431127	2012	7	26	3	V	6.5	0.5	2.98	198
401431127	2012	7	26	4	V	2.7	1.6	2.93	198
401431127	2012	7	26	5	V	0.7	1.7	1.71	242
401431127	2012	7	26	6	V	8.4	0.5	1.11	249
401431127	2012	7	26	7	V	1.0	0.8	2.35	182
401431127	2012	7	26	8	V	1.3	0.7	3.05	179
401431127	2012	7	26	9	V	1.7	0.3	4.51	196
401431127	2012	7	26	10	V	1.6	0.2	3.71	212
401431127	2012	7	26	11	V	1.6	0.3	3.03	236
401431127	2012	7	26	12	V	2.3	0.3	2.08	260
401431127	2012	7	26	13	V	2.8	0.1	2.08	45
401431127	2012	7	26	14	V	3.4	0.2	2.61	30
401431127	2012	7	26	15	V	2.2	0.2	1.88	24
401431127	2012	7	26	16	V	2.9	0.3	2.27	40
401431127	2012	7	26	17	V	2.2	0.3	2.49	106
401431127	2012	7	26	18	V	5.8	0.3	2.91	15
401431127	2012	7	26	19	V	1.5	0.2	3.17	7
401431127	2012	7	26	20	V	1.9	0.1	3.01	320
401431127	2012	7	26	21	V	1.4	0.1	4.22	169
401431127	2012	7	26	22	V	1.0	0	3.32	138
401431127	2012	7	26	23	V	0.7	0	2.52	186
401431127	2012	7	26	24	V	11.7	0	1.94	204
401431127	2012	7	27	1	V	5.5	0.1	2.38	170
401431127	2012	7	27	2	V	2.6	0.1	2.3	176
401431127	2012	7	27	3	V	4.3	0	2.57	166
401431127	2012	7	27	4	V	0.8	0	1.99	174
401431127	2012	7	27	5	V	0.7	0	2.11	180
401431127	2012	7	27	6	V	19.5	0	1.11	213
401431127	2012	7	27	7	V	6.5	0.1	1.3	214
401431127	2012	7	27	8	V	5.4	0.1	1.89	201
401431127	2012	7	27	9	V	1.6	0	2.22	235
401431127	2012	7	27	10	V	1.4	0.1	1.65	197
401431127	2012	7	27	11	V	1.8	0.8	1.69	139
401431127	2012	7	27	12	V	2.3	0.7	1.93	105
401431127	2012	7	27	13	V	2.6	0.5	2.18	33
401431127	2012	7	27	14	V	3.1	0.3	2.54	145
401431127	2012	7	27	15	V	2.1	0.3	2.08	153
401431127	2012	7	27	16	V	2.5	0.3	2.55	133
401431127	2012	7	27	17	V	2.2	0.3	3.24	150
401431127	2012	7	27	18	V	5.9	0.4	3	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	27	19	V	1.5	0.3	4.1	172
401431127	2012	7	27	20	V	2.1	0.3	2.86	192
401431127	2012	7	27	21	V	1.6	0.2	0.99	226
401431127	2012	7	27	22	V	1.2	0.1	0.56	267
401431127	2012	7	27	23	V	0.8	0.3	1.14	228
401431127	2012	7	27	24	V	2.3	2	1.25	240
401431127	2012	7	28	1	V	5.7	0.4	0.77	263
401431127	2012	7	28	2	V	2.9	0.2	0.55	357
401431127	2012	7	28	3	V	4.6	0.2	0.62	292
401431127	2012	7	28	4	V	0.9	0.1	0.94	345
401431127	2012	7	28	5	V	0.8	0.1	0.72	286
401431127	2012	7	28	6	V	8.6	0.1	0.63	278
401431127	2012	7	28	7	V	6.8	0.2	1.16	203
401431127	2012	7	28	8	V	5.9	0.5	1.25	205
401431127	2012	7	28	9	V	2.2	0.5	1.76	230
401431127	2012	7	28	10	V	1.2	0.4	1.69	244
401431127	2012	7	28	11	V	1.8	0.4	1.74	243
401431127	2012	7	28	12	V	2.7	0.5	2.33	199
401431127	2012	7	28	13	V	2.5	2	2.27	189
401431127	2012	7	28	14	V	3.1	1.4	3.27	185
401431127	2012	7	28	15	V	2.1	0.6	2.83	174
401431127	2012	7	28	16	V	2.5	0.5	4.27	172
401431127	2012	7	28	17	V	2.1	0.3	4.27	169
401431127	2012	7	28	18	V	5.8	0.3	3.67	160
401431127	2012	7	28	19	V	1.5	0.3	3.83	159
401431127	2012	7	28	20	V	1.9	0.3	2.84	150
401431127	2012	7	28	21	V	7.6	0.3	0.87	216
401431127	2012	7	28	22	V	5.8	0.2	0.53	213
401431127	2012	7	28	23	V	0.9	0.1	0.69	289
401431127	2012	7	28	24	V	8.5	1.6	0.97	216
401431127	2012	7	29	1	C	-999	9.8	0	0
401431127	2012	7	29	2	V	2.9	5.6	0.58	338
401431127	2012	7	29	3	V	4.7	2	0.52	241
401431127	2012	7	29	4	V	1.2	1.1	1.48	222
401431127	2012	7	29	5	V	0.7	0.5	1.59	230
401431127	2012	7	29	6	V	8.6	0.3	2.3	225
401431127	2012	7	29	7	V	0.9	0.2	2.47	233
401431127	2012	7	29	8	V	1.4	0.2	2.45	233
401431127	2012	7	29	9	V	1.4	0.2	3.97	236
401431127	2012	7	29	10	V	1.0	0.2	5.16	226
401431127	2012	7	29	11	V	1.6	0.2	4.71	232
401431127	2012	7	29	12	V	2.2	0.3	4.19	237
401431127	2012	7	29	13	V	2.6	0.3	3.83	218
401431127	2012	7	29	14	V	3.2	0.2	3.93	220
401431127	2012	7	29	15	V	2.2	0.3	3.37	220
401431127	2012	7	29	16	V	2.7	0.8	3.39	222

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	29	17	V	2.2	0.6	3.44	231
401431127	2012	7	29	18	V	5.8	0.5	4.39	183
401431127	2012	7	29	19	V	1.9	0.7	1.84	219
401431127	2012	7	29	20	V	9.0	1.1	1.35	216
401431127	2012	7	29	21	V	20.6	8.7	1.93	209
401431127	2012	7	29	22	V	13.8	3.9	2.98	207
401431127	2012	7	29	23	V	12.2	12.9	2.28	205
401431127	2012	7	29	24	V	4.8	15.5	1.28	199
401431127	2012	7	30	1	V	6.8	4.1	0.94	196
401431127	2012	7	30	2	V	5.7	1.9	1.94	218
401431127	2012	7	30	3	V	4.7	1.4	2.74	227
401431127	2012	7	30	4	V	0.7	0.6	1.99	231
401431127	2012	7	30	5	V	0.8	0.4	2.81	229
401431127	2012	7	30	6	V	17.0	0.3	1.96	215
401431127	2012	7	30	7	V	2.2	0.3	2.96	217
401431127	2012	7	30	8	V	1.8	0.3	3.71	220
401431127	2012	7	30	9	V	1.4	0.3	4.29	231
401431127	2012	7	30	10	V	1.0	0.2	4.44	237
401431127	2012	7	30	11	V	1.7	0.2	4.86	225
401431127	2012	7	30	12	V	2.3	0.2	2.86	236
401431127	2012	7	30	13	V	2.7	0.2	4.36	202
401431127	2012	7	30	14	V	3.1	0.2	1.76	244
401431127	2012	7	30	15	V	2.1	0.9	2.86	230
401431127	2012	7	30	16	V	2.6	0.6	4.86	194
401431127	2012	7	30	17	V	2.3	0.6	3.86	225
401431127	2012	7	30	18	V	6.0	0.7	3.36	195
401431127	2012	7	30	19	V	1.7	0.5	3.72	194
401431127	2012	7	30	20	V	5.5	0.4	2.13	200
401431127	2012	7	30	21	V	15.4	0.6	2.11	206
401431127	2012	7	30	22	V	3.0	1.9	3.83	197
401431127	2012	7	30	23	V	2.7	3.8	3.63	197
401431127	2012	7	30	24	V	7.8	6.1	2.37	202
401431127	2012	7	31	1	V	20.8	8.7	2.11	212
401431127	2012	7	31	2	V	2.7	3.3	2.18	224
401431127	2012	7	31	3	V	10.2	1.1	2.61	217
401431127	2012	7	31	4	V	5.4	0.9	3.17	218
401431127	2012	7	31	5	V	0.9	0.6	2.64	228
401431127	2012	7	31	6	V	14.8	0.5	2.13	216
401431127	2012	7	31	7	V	7.8	0.7	2.13	209
401431127	2012	7	31	8	V	2.7	0.8	3.03	215
401431127	2012	7	31	9	V	2.1	0.7	2.95	222
401431127	2012	7	31	10	V	1.4	0.5	2.71	227
401431127	2012	7	31	11	V	1.8	1.9	3.75	224
401431127	2012	7	31	12	V	2.7	1.8	3.35	209
401431127	2012	7	31	13	V	2.5	2	3.46	184
401431127	2012	7	31	14	V	3.1	0.8	4.02	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	7	31	15	V	2.0	0.6	3.93	170
401431127	2012	7	31	16	V	2.5	0.4	3.98	174
401431127	2012	7	31	17	V	2.3	0.4	4.82	193
401431127	2012	7	31	18	V	5.8	0.5	5.7	179
401431127	2012	7	31	19	V	1.5	0.4	5.65	176
401431127	2012	7	31	20	V	1.9	0.4	3.71	183
401431127	2012	7	31	21	V	1.7	0.3	2.69	194
401431127	2012	7	31	22	V	1.4	0.4	3.58	192
401431127	2012	7	31	23	V	1.5	0.5	2.96	195
401431127	2012	7	31	24	V	2.7	0.4	2.27	196
401431127	2012	8	1	1	V	18.9	0.5	2.03	213
401431127	2012	8	1	2	V	16.2	6	3.08	209
401431127	2012	8	1	3	V	23.6	4.7	2.37	209
401431127	2012	8	1	4	V	20.0	2	2.13	209
401431127	2012	8	1	5	C	-999	9.6	0	0
401431127	2012	8	1	6	C	-999	4.3	0	0
401431127	2012	8	1	7	V	0.9	1.4	2.36	177
401431127	2012	8	1	8	V	4.1	1.8	2.86	202
401431127	2012	8	1	9	V	2.0	6.4	3.86	218
401431127	2012	8	1	10	V	3.4	2.5	3.81	209
401431127	2012	8	1	11	V	2.7	3.4	3.39	198
401431127	2012	8	1	12	V	4.8	2.8	2.98	208
401431127	2012	8	1	13	V	2.5	1.8	2.88	267
401431127	2012	8	1	14	V	3.1	1.3	4.48	27
401431127	2012	8	1	15	V	2.1	1.2	2.33	118
401431127	2012	8	1	16	V	3.4	1.7	3.63	41
401431127	2012	8	1	17	V	3.1	1.7	2.52	51
401431127	2012	8	1	18	V	6.0	1.5	2.96	62
401431127	2012	8	1	19	V	1.5	1.4	3.37	113
401431127	2012	8	1	20	V	8.7	1	4.58	204
401431127	2012	8	1	21	V	2.4	1.3	3.37	195
401431127	2012	8	1	22	V	1.1	0.6	3.32	189
401431127	2012	8	1	23	V	8.8	1.6	3.74	204
401431127	2012	8	1	24	V	7.9	2.6	2.66	202
401431127	2012	8	2	1	V	18.2	4.2	3.2	208
401431127	2012	8	2	2	V	9.2	16.2	3.86	210
401431127	2012	8	2	3	V	9.2	4.3	2.79	201
401431127	2012	8	2	4	V	0.8	12.7	1.28	185
401431127	2012	8	2	5	V	0.8	4.1	1.6	192
401431127	2012	8	2	6	V	18.2	6.4	0.96	207
401431127	2012	8	2	7	V	4.1	5.5	1.81	199
401431127	2012	8	2	8	V	1.4	2.7	1.96	238
401431127	2012	8	2	9	V	1.5	0.5	1.86	257
401431127	2012	8	2	10	V	1.0	0.9	2.57	328
401431127	2012	8	2	11	V	4.1	1.2	1.43	218
401431127	2012	8	2	12	V	2.3	1.2	2.42	117

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	2	13	V	2.5	2.1	3.24	108
401431127	2012	8	2	14	V	3.1	1.8	2.21	169
401431127	2012	8	2	15	V	2.7	1	2.33	209
401431127	2012	8	2	16	V	3.1	0.9	2.98	206
401431127	2012	8	2	17	V	2.1	1.8	4.29	240
401431127	2012	8	2	18	V	5.8	1.1	2.5	236
401431127	2012	8	2	19	V	1.7	0.9	1.11	234
401431127	2012	8	2	20	V	6.0	1.1	3.85	200
401431127	2012	8	2	21	V	1.4	1.1	2.45	266
401431127	2012	8	2	22	V	14.8	3.5	2.39	206
401431127	2012	8	2	23	V	9.5	1.4	1.76	215
401431127	2012	8	2	24	V	5.4	3.2	1.6	218
401431127	2012	8	3	1	V	15.2	1	1.33	204
401431127	2012	8	3	2	V	2.8	1.8	1.04	95
401431127	2012	8	3	3	V	4.5	1.1	0.99	93
401431127	2012	8	3	4	V	0.8	1.2	1.54	149
401431127	2012	8	3	5	V	0.7	1.3	1.57	158
401431127	2012	8	3	6	V	8.4	0.8	1.4	170
401431127	2012	8	3	7	V	0.9	0.9	3.07	173
401431127	2012	8	3	8	V	1.3	0.8	3.68	162
401431127	2012	8	3	9	V	1.4	0.8	2.57	172
401431127	2012	8	3	10	V	1.0	1.1	3.3	141
401431127	2012	8	3	11	V	1.5	-999	4.9	109
401431127	2012	8	3	12	V	2.2	-999	4.29	105
401431127	2012	8	3	13	V	3.4	0.9	3.51	36
401431127	2012	8	3	14	V	3.2	0.9	2.86	70
401431127	2012	8	3	15	V	2.0	0.8	4.61	104
401431127	2012	8	3	16	V	2.5	0.6	4.34	132
401431127	2012	8	3	17	V	2.1	0.5	4.48	137
401431127	2012	8	3	18	V	5.8	0.4	5.63	183
401431127	2012	8	3	19	V	1.5	0.5	6.58	192
401431127	2012	8	3	20	V	2.3	0.4	5.82	191
401431127	2012	8	3	21	V	1.4	0.4	5.38	186
401431127	2012	8	3	22	V	1.1	0.3	5.31	188
401431127	2012	8	3	23	V	1.4	0.3	5.73	193
401431127	2012	8	3	24	V	4.2	0.2	5.43	197
401431127	2012	8	4	1	V	8.0	0.3	5.22	198
401431127	2012	8	4	2	V	5.2	0.4	4.93	198
401431127	2012	8	4	3	V	5.3	1.5	4.14	194
401431127	2012	8	4	4	V	1.1	3	2.88	193
401431127	2012	8	4	5	V	0.6	2.7	2.05	229
401431127	2012	8	4	6	V	8.5	1.8	0.99	184
401431127	2012	8	4	7	V	0.9	1.6	3.32	173
401431127	2012	8	4	8	V	1.2	0.7	4.71	187
401431127	2012	8	4	9	V	2.6	2	5.29	207
401431127	2012	8	4	10	V	2.0	1.9	5.85	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	4	11	V	2.1	1.7	6.07	202
401431127	2012	8	4	12	V	2.8	1.4	5.73	202
401431127	2012	8	4	13	V	2.6	1	4.75	223
401431127	2012	8	4	14	V	3.6	1	4.75	215
401431127	2012	8	4	15	V	2.5	1.3	4.68	218
401431127	2012	8	4	16	V	3.0	1.2	3.25	221
401431127	2012	8	4	17	V	2.4	2.7	3.35	225
401431127	2012	8	4	18	V	6.8	20.7	4.58	207
401431127	2012	8	4	19	V	1.9	6.3	5.04	199
401431127	2012	8	4	20	V	2.9	4.5	5.7	194
401431127	2012	8	4	21	V	1.4	0.3	3.85	307
401431127	2012	8	4	22	V	1.0	0.2	1.11	237
401431127	2012	8	4	23	V	1.4	0.1	1.04	191
401431127	2012	8	4	24	V	2.3	0.1	1.26	2
401431127	2012	8	5	1	V	5.5	0	2.78	3
401431127	2012	8	5	2	V	2.6	0.1	6.52	10
401431127	2012	8	5	3	V	4.3	0	4.7	17
401431127	2012	8	5	4	V	0.7	0	4.29	16
401431127	2012	8	5	5	V	0.6	0	2.38	19
401431127	2012	8	5	6	V	8.4	0	0.87	325
401431127	2012	8	5	7	V	1.0	0	1.26	352
401431127	2012	8	5	8	V	1.4	0	1.37	348
401431127	2012	8	5	9	V	1.6	0	1.2	339
401431127	2012	8	5	10	V	1.0	0	2.78	19
401431127	2012	8	5	11	V	1.6	0	2.38	344
401431127	2012	8	5	12	V	2.2	0	3.66	8
401431127	2012	8	5	13	V	2.4	0.2	4.88	27
401431127	2012	8	5	14	V	4.3	0.5	5.43	42
401431127	2012	8	5	15	V	2.6	1.5	4.61	37
401431127	2012	8	5	16	V	2.5	1.5	4.02	24
401431127	2012	8	5	17	V	2.1	2.1	3.44	14
401431127	2012	8	5	18	V	5.8	0.9	3.71	25
401431127	2012	8	5	19	V	1.5	0.5	4.34	31
401431127	2012	8	5	20	V	1.9	1.2	2.4	25
401431127	2012	8	5	21	V	1.4	1.1	1.65	356
401431127	2012	8	5	22	V	1.0	0.8	1.82	352
401431127	2012	8	5	23	V	0.8	0.6	1.3	360
401431127	2012	8	5	24	V	2.3	0.5	1.09	14
401431127	2012	8	6	1	V	5.6	0.3	1.5	11
401431127	2012	8	6	2	V	2.7	0.2	1.93	9
401431127	2012	8	6	3	V	4.4	0.2	1.91	3
401431127	2012	8	6	4	V	0.9	0.1	0.77	319
401431127	2012	8	6	5	V	0.7	0.1	1.18	4
401431127	2012	8	6	6	V	8.3	0.2	2.32	9
401431127	2012	8	6	7	V	0.9	0.4	1.72	14
401431127	2012	8	6	8	V	1.4	0.4	2.4	23

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	6	9	V	1.9	0.3	1.98	27
401431127	2012	8	6	10	V	1.5	0.3	1.96	66
401431127	2012	8	6	11	V	1.6	0.3	2.3	98
401431127	2012	8	6	12	V	3.3	0.7	2.66	57
401431127	2012	8	6	13	V	2.4	1	3.24	21
401431127	2012	8	6	14	V	3.1	0.6	2.61	9
401431127	2012	8	6	15	V	2.2	-999	3.25	30
401431127	2012	8	6	16	V	3.3	-999	3.18	42
401431127	2012	8	6	17	V	2.3	1.2	2.16	25
401431127	2012	8	6	18	V	6.6	1.5	2.69	42
401431127	2012	8	6	19	V	1.5	3.2	2.06	22
401431127	2012	8	6	20	V	2.0	2.5	0.63	6
401431127	2012	8	6	21	V	1.5	1.2	0.99	359
401431127	2012	8	6	22	V	1.0	0.9	1.21	1
401431127	2012	8	6	23	V	0.9	0.7	0.72	2
401431127	2012	8	6	24	V	2.3	0.5	1.08	347
401431127	2012	8	7	1	V	5.6	0.4	1.82	359
401431127	2012	8	7	2	V	2.7	0.3	1.09	269
401431127	2012	8	7	3	V	4.5	0.2	0.75	300
401431127	2012	8	7	4	V	0.9	0.3	0.75	307
401431127	2012	8	7	5	V	0.9	0.2	0.67	251
401431127	2012	8	7	6	V	8.6	0.2	0.58	4
401431127	2012	8	7	7	V	3.2	0.4	0.97	226
401431127	2012	8	7	8	V	1.8	0.7	0.92	165
401431127	2012	8	7	9	V	1.5	0.6	2.33	146
401431127	2012	8	7	10	V	1.1	1	2.28	178
401431127	2012	8	7	11	V	1.9	1.9	1.77	180
401431127	2012	8	7	12	V	2.4	3.9	1.84	116
401431127	2012	8	7	13	V	2.6	2.2	2.57	24
401431127	2012	8	7	14	V	3.4	1.4	2.64	64
401431127	2012	8	7	15	V	2.8	1.2	4.1	53
401431127	2012	8	7	16	V	3.2	0.9	3.78	54
401431127	2012	8	7	17	V	2.7	1.2	3	38
401431127	2012	8	7	18	V	6.7	4	3.07	46
401431127	2012	8	7	19	V	1.5	2.8	2.57	30
401431127	2012	8	7	20	V	1.9	2.2	1.18	360
401431127	2012	8	7	21	V	1.4	1.2	1.67	280
401431127	2012	8	7	22	V	1.0	1	1.72	268
401431127	2012	8	7	23	V	0.7	0.8	1.67	299
401431127	2012	8	7	24	V	2.3	0.5	1.36	283
401431127	2012	8	8	1	V	5.8	0.4	1.48	223
401431127	2012	8	8	2	V	2.7	0.4	1.81	233
401431127	2012	8	8	3	V	4.5	0.3	0.84	235
401431127	2012	8	8	4	V	13.8	0.3	1.55	213
401431127	2012	8	8	5	V	0.7	0.5	1.21	228
401431127	2012	8	8	6	V	8.4	0.5	1.86	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	8	7	V	6.5	0.9	1.7	213
401431127	2012	8	8	8	V	1.4	1.6	1.64	244
401431127	2012	8	8	9	V	1.5	0.6	2.08	306
401431127	2012	8	8	10	V	1.1	0.6	1.74	334
401431127	2012	8	8	11	V	1.7	-999	1.71	294
401431127	2012	8	8	12	V	2.3	-999	2.06	289
401431127	2012	8	8	13	V	2.5	-999	2.44	308
401431127	2012	8	8	14	V	3.1	-999	2.86	285
401431127	2012	8	8	15	V	2.0	-999	3.39	313
401431127	2012	8	8	16	V	2.5	-999	2.83	305
401431127	2012	8	8	17	V	2.7	0.5	3.41	57
401431127	2012	8	8	18	V	5.8	0.7	6.99	166
401431127	2012	8	8	19	V	1.5	0.4	6.6	170
401431127	2012	8	8	20	V	1.9	0.1	6.3	166
401431127	2012	8	8	21	V	1.4	0	5.04	168
401431127	2012	8	8	22	V	1.0	0	4.46	176
401431127	2012	8	8	23	V	0.7	0	3.42	181
401431127	2012	8	8	24	V	2.5	0	3.1	192
401431127	2012	8	9	1	V	5.5	0	2.96	173
401431127	2012	8	9	2	V	2.6	0	3.17	135
401431127	2012	8	9	3	V	4.3	-999	3.18	176
401431127	2012	8	9	4	V	0.8	-999	3.35	184
401431127	2012	8	9	5	V	2.4	-999	3.32	197
401431127	2012	8	9	6	V	17.8	0.3	2.38	214
401431127	2012	8	9	7	V	1.6	0.4	2.66	221
401431127	2012	8	9	8	V	1.2	0	3.17	238
401431127	2012	8	9	9	V	1.4	0	2.61	277
401431127	2012	8	9	10	V	1.0	0.1	2.71	325
401431127	2012	8	9	11	V	1.5	0.2	4.37	17
401431127	2012	8	9	12	V	2.2	0.2	5.33	17
401431127	2012	8	9	13	V	2.4	0.2	5.6	19
401431127	2012	8	9	14	V	3.0	0.2	5.1	17
401431127	2012	8	9	15	V	2.0	0.1	4.82	18
401431127	2012	8	9	16	V	2.5	0	5.33	27
401431127	2012	8	9	17	V	2.1	0.2	5.07	24
401431127	2012	8	9	18	V	5.8	0.1	4.27	15
401431127	2012	8	9	19	V	1.5	0	4.54	23
401431127	2012	8	9	20	V	1.9	0.1	2.23	10
401431127	2012	8	9	21	V	1.4	-999	1.67	355
401431127	2012	8	9	22	V	1.0	-999	3.85	11
401431127	2012	8	9	23	V	0.7	0	5.46	17
401431127	2012	8	9	24	V	2.2	-999	5.36	19
401431127	2012	8	10	1	V	5.5	-999	4.7	18
401431127	2012	8	10	2	V	2.6	-999	3.61	17
401431127	2012	8	10	3	V	4.3	-999	2.98	14
401431127	2012	8	10	4	V	0.7	-999	2.2	7

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	10	5	V	0.6	-999	2.39	6
401431127	2012	8	10	6	V	8.3	-999	2.11	5
401431127	2012	8	10	7	V	0.9	-999	2.5	6
401431127	2012	8	10	8	V	1.3	0	2.66	7
401431127	2012	8	10	9	V	1.4	0.3	3.74	18
401431127	2012	8	10	10	V	1.0	0.5	4	19
401431127	2012	8	10	11	V	1.6	0.2	3.97	7
401431127	2012	8	10	12	V	2.2	0.1	5.41	14
401431127	2012	8	10	13	V	2.4	0	5.8	14
401431127	2012	8	10	14	V	3.0	0	5.04	3
401431127	2012	8	10	15	V	2.0	0	5.51	15
401431127	2012	8	10	16	V	2.5	-999	5.6	25
401431127	2012	8	10	17	V	2.1	-999	5.58	21
401431127	2012	8	10	18	V	5.8	-999	4.1	13
401431127	2012	8	10	19	V	1.5	-999	3.32	15
401431127	2012	8	10	20	V	1.9	-999	1.86	3
401431127	2012	8	10	21	V	1.5	0.2	0.91	341
401431127	2012	8	10	22	V	1.0	0.2	1.26	357
401431127	2012	8	10	23	V	0.9	0.2	2.62	39
401431127	2012	8	10	24	V	8.0	0	2.69	49
401431127	2012	8	11	1	V	5.6	0	2.11	31
401431127	2012	8	11	2	V	2.8	0	0.92	325
401431127	2012	8	11	3	V	4.4	-999	1.48	359
401431127	2012	8	11	4	V	1.0	-999	0.65	332
401431127	2012	8	11	5	V	0.9	-999	0.63	328
401431127	2012	8	11	6	V	8.4	-999	1.25	351
401431127	2012	8	11	7	V	1.0	0	0.84	14
401431127	2012	8	11	8	V	4.5	0	2.03	50
401431127	2012	8	11	9	V	1.4	0.3	3.37	119
401431127	2012	8	11	10	V	1.0	1.8	2.57	147
401431127	2012	8	11	11	V	1.6	0.9	2.45	129
401431127	2012	8	11	12	V	2.3	0.4	2.69	124
401431127	2012	8	11	13	V	2.5	0.2	2.1	133
401431127	2012	8	11	14	V	3.1	0.5	2.52	118
401431127	2012	8	11	15	V	2.1	0.8	2.62	89
401431127	2012	8	11	16	V	2.5	0.7	3.56	106
401431127	2012	8	11	17	V	2.1	0.9	3.88	115
401431127	2012	8	11	18	V	5.8	1	4.12	120
401431127	2012	8	11	19	V	1.5	0.8	4.61	122
401431127	2012	8	11	20	V	1.9	0.1	3.75	125
401431127	2012	8	11	21	V	1.4	0	2.96	136
401431127	2012	8	11	22	V	1.1	0	1.2	170
401431127	2012	8	11	23	C	-999	-999	0	0
401431127	2012	8	11	24	V	12.3	0	0.97	208
401431127	2012	8	12	1	V	5.7	0.1	1.09	174
401431127	2012	8	12	2	V	2.7	0	1.38	158

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	12	3	V	4.4	0	1.2	165
401431127	2012	8	12	4	V	0.9	0	0.89	251
401431127	2012	8	12	5	V	7.2	2.1	1.11	216
401431127	2012	8	12	6	V	8.4	2.1	1.82	175
401431127	2012	8	12	7	V	0.9	0.1	3.35	172
401431127	2012	8	12	8	V	1.3	0	3.18	175
401431127	2012	8	12	9	V	1.4	-999	3.59	165
401431127	2012	8	12	10	V	1.0	0	3.2	156
401431127	2012	8	12	11	V	1.6	-999	4.46	170
401431127	2012	8	12	12	V	2.2	0	4.71	174
401431127	2012	8	12	13	V	2.4	0	5.04	179
401431127	2012	8	12	14	V	3.1	0.6	4.49	186
401431127	2012	8	12	15	V	2.2	1.2	4	192
401431127	2012	8	12	16	V	2.5	1.6	4.22	187
401431127	2012	8	12	17	V	2.5	1.7	2.59	226
401431127	2012	8	12	18	V	6.0	2	0.92	248
401431127	2012	8	12	19	V	1.9	2.7	1.94	194
401431127	2012	8	12	20	V	1.9	0.9	3.46	164
401431127	2012	8	12	21	V	1.4	0.4	2.3	274
401431127	2012	8	12	22	V	1.0	0	2.62	337
401431127	2012	8	12	23	V	0.7	-999	3.61	350
401431127	2012	8	12	24	V	2.2	-999	4.95	3
401431127	2012	8	13	1	V	5.5	-999	2.83	5
401431127	2012	8	13	2	V	2.7	-999	1.98	8
401431127	2012	8	13	3	V	4.4	-999	1.98	5
401431127	2012	8	13	4	V	0.8	-999	1.55	352
401431127	2012	8	13	5	V	0.7	-999	2.03	352
401431127	2012	8	13	6	V	8.3	-999	2.49	352
401431127	2012	8	13	7	V	0.9	-999	3.54	357
401431127	2012	8	13	8	V	1.2	-999	3.74	354
401431127	2012	8	13	9	V	1.4	-999	3.39	344
401431127	2012	8	13	10	V	1.0	-999	3.68	351
401431127	2012	8	13	11	V	1.6	-999	4.09	358
401431127	2012	8	13	12	V	2.2	-999	4.24	359
401431127	2012	8	13	13	V	2.4	-999	5.14	15
401431127	2012	8	13	14	V	3.0	-999	4.87	23
401431127	2012	8	13	15	V	2.0	-999	4.68	26
401431127	2012	8	13	16	V	2.5	-999	4.93	22
401431127	2012	8	13	17	V	2.1	0.3	3.93	21
401431127	2012	8	13	18	V	5.8	0.2	3.37	21
401431127	2012	8	13	19	V	1.6	0.2	4.12	29
401431127	2012	8	13	20	V	1.9	0.3	3.13	27
401431127	2012	8	13	21	V	1.5	0.2	3.22	38
401431127	2012	8	13	22	V	1.0	0.3	2.81	32
401431127	2012	8	13	23	V	0.7	0.2	2.89	27
401431127	2012	8	13	24	V	4.7	0.2	4.53	43

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	14	1	V	5.5	0.3	3.56	69
401431127	2012	8	14	2	V	2.6	0.3	2.79	91
401431127	2012	8	14	3	V	4.4	0.3	1.69	87
401431127	2012	8	14	4	V	0.8	0.4	1.89	20
401431127	2012	8	14	5	V	0.7	0.3	1.93	29
401431127	2012	8	14	6	V	9.8	0.2	2.08	41
401431127	2012	8	14	7	V	0.9	0.3	2.57	63
401431127	2012	8	14	8	V	1.3	0.5	2.57	97
401431127	2012	8	14	9	V	1.4	1.3	4.46	93
401431127	2012	8	14	10	V	1.0	1.6	4.05	112
401431127	2012	8	14	11	V	1.6	1.8	3.23	138
401431127	2012	8	14	12	V	2.3	1.6	3.12	99
401431127	2012	8	14	13	V	2.4	2.8	3.81	76
401431127	2012	8	14	14	V	4.6	2.8	3.61	55
401431127	2012	8	14	15	V	2.0	1.1	3.97	19
401431127	2012	8	14	16	V	2.5	1.5	4.44	18
401431127	2012	8	14	17	V	2.1	0.6	5.31	16
401431127	2012	8	14	18	V	5.8	0.3	2.03	110
401431127	2012	8	14	19	V	1.6	0.4	1.5	98
401431127	2012	8	14	20	V	1.9	0.3	1.57	87
401431127	2012	8	14	21	V	6.3	0.3	1.64	51
401431127	2012	8	14	22	V	1.0	0.3	1.33	7
401431127	2012	8	14	23	V	0.8	0.2	1.03	8
401431127	2012	8	14	24	V	2.3	0.2	1.38	9
401431127	2012	8	15	1	V	5.6	0.2	1.18	15
401431127	2012	8	15	2	V	2.8	0.1	0.79	289
401431127	2012	8	15	3	V	4.6	0.2	0.67	353
401431127	2012	8	15	4	V	0.9	0.2	0.69	347
401431127	2012	8	15	5	C	-999	0.4	0	0
401431127	2012	8	15	6	C	-999	0.5	0	0
401431127	2012	8	15	7	V	1.6	0.8	0.89	194
401431127	2012	8	15	8	V	1.3	0.7	2.81	177
401431127	2012	8	15	9	V	1.4	0.2	4.29	182
401431127	2012	8	15	10	V	1.2	0.2	5.02	196
401431127	2012	8	15	11	V	2.0	0.3	3.81	195
401431127	2012	8	15	12	V	4.4	0.9	3.85	208
401431127	2012	8	15	13	V	2.6	1.1	3.52	188
401431127	2012	8	15	14	V	3.7	1.2	4	199
401431127	2012	8	15	15	V	3.2	1.1	3.49	204
401431127	2012	8	15	16	V	3.0	0.6	4.1	198
401431127	2012	8	15	17	V	2.5	0.5	4.53	198
401431127	2012	8	15	18	V	6.2	0.8	5.04	199
401431127	2012	8	15	19	V	1.8	0.5	5.56	199
401431127	2012	8	15	20	V	3.5	0.9	4.68	196
401431127	2012	8	15	21	V	1.5	0.4	4.44	188
401431127	2012	8	15	22	V	1.1	0.3	4.34	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	15	23	V	0.9	0.3	3.74	189
401431127	2012	8	15	24	V	2.5	0.2	3.3	191
401431127	2012	8	16	1	V	9.8	0.2	2.11	201
401431127	2012	8	16	2	V	7.4	0.2	1.33	201
401431127	2012	8	16	3	V	4.4	0.2	2.18	189
401431127	2012	8	16	4	V	0.8	0.2	2.81	187
401431127	2012	8	16	5	V	0.6	0.3	3.29	183
401431127	2012	8	16	6	V	8.3	0.3	2.25	174
401431127	2012	8	16	7	V	0.9	0.4	2.05	170
401431127	2012	8	16	8	V	1.3	0.4	3.86	190
401431127	2012	8	16	9	V	1.9	0.6	5.22	200
401431127	2012	8	16	10	V	1.4	1	4.22	220
401431127	2012	8	16	11	V	1.5	0.6	4.14	239
401431127	2012	8	16	12	V	2.2	0.6	5.09	234
401431127	2012	8	16	13	V	2.5	0.5	4.92	229
401431127	2012	8	16	14	V	3.0	0.5	4.58	238
401431127	2012	8	16	15	V	2.0	0.4	3.63	253
401431127	2012	8	16	16	V	2.5	0.4	3.9	240
401431127	2012	8	16	17	V	2.1	0.4	3.42	264
401431127	2012	8	16	18	V	5.8	0.3	4.7	250
401431127	2012	8	16	19	V	1.5	1.7	1.87	323
401431127	2012	8	16	20	V	1.9	0.7	2.28	352
401431127	2012	8	16	21	V	1.4	0.4	1.28	357
401431127	2012	8	16	22	V	1.0	0.7	6.38	13
401431127	2012	8	16	23	V	0.7	0.7	5.84	22
401431127	2012	8	16	24	V	2.2	0.6	3.37	21
401431127	2012	8	17	1	V	5.5	0.7	2.79	7
401431127	2012	8	17	2	V	2.6	0.6	2.86	7
401431127	2012	8	17	3	V	4.3	0.7	3.35	6
401431127	2012	8	17	4	V	0.7	0.7	3.08	6
401431127	2012	8	17	5	V	0.6	0.9	3.59	8
401431127	2012	8	17	6	V	8.3	1	3.97	16
401431127	2012	8	17	7	V	0.8	0.8	4.19	18
401431127	2012	8	17	8	V	1.2	0.9	3.85	23
401431127	2012	8	17	9	V	1.4	2.3	3.83	30
401431127	2012	8	17	10	V	2.8	2.1	3.71	39
401431127	2012	8	17	11	V	3.4	1.5	3.2	38
401431127	2012	8	17	12	V	3.8	4.2	2.98	37
401431127	2012	8	17	13	V	3.9	5.1	3.39	38
401431127	2012	8	17	14	V	3.1	5	2.95	8
401431127	2012	8	17	15	V	2.0	4.5	3.15	20
401431127	2012	8	17	16	V	2.8	4	2.9	30
401431127	2012	8	17	17	V	2.2	3.3	3	14
401431127	2012	8	17	18	V	5.8	2.6	3.03	9
401431127	2012	8	17	19	V	1.6	2.9	2.47	11
401431127	2012	8	17	20	V	1.9	3.8	1.5	17

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	17	21	V	1.5	1.7	1.08	26
401431127	2012	8	17	22	V	1.0	0.7	1.37	30
401431127	2012	8	17	23	V	1.6	0.6	2.96	54
401431127	2012	8	17	24	V	2.2	0.5	2.67	66
401431127	2012	8	18	1	V	5.6	0.4	2.62	25
401431127	2012	8	18	2	V	2.7	0.3	2.37	281
401431127	2012	8	18	3	V	4.4	0.2	1.42	299
401431127	2012	8	18	4	V	0.8	0.2	0.97	314
401431127	2012	8	18	5	V	0.7	0.2	0.99	257
401431127	2012	8	18	6	V	8.4	0.2	1.3	319
401431127	2012	8	18	7	V	1.0	0.3	1.26	167
401431127	2012	8	18	8	V	1.4	0.4	2.3	75
401431127	2012	8	18	9	V	1.4	0.3	3.15	72
401431127	2012	8	18	10	V	1.0	0.5	3.59	115
401431127	2012	8	18	11	V	1.9	0.5	2.01	229
401431127	2012	8	18	12	V	3.8	0.3	2.11	222
401431127	2012	8	18	13	V	2.4	0.3	3.78	160
401431127	2012	8	18	14	V	3.2	0.2	2.04	253
401431127	2012	8	18	15	V	2.7	0.2	2.69	194
401431127	2012	8	18	16	V	3.7	0.8	1.67	221
401431127	2012	8	18	17	V	2.2	1	2.16	262
401431127	2012	8	18	18	V	5.8	0.5	1.96	292
401431127	2012	8	18	19	V	1.6	0.3	1.89	336
401431127	2012	8	18	20	V	2.0	0.2	0.96	257
401431127	2012	8	18	21	V	1.6	0.2	0.57	252
401431127	2012	8	18	22	V	3.9	0.3	0.94	219
401431127	2012	8	18	23	V	0.9	0.3	0.74	234
401431127	2012	8	18	24	V	2.4	0.3	0.63	260
401431127	2012	8	19	1	V	5.6	0.3	1.45	253
401431127	2012	8	19	2	C	-999	0.3	0	0
401431127	2012	8	19	3	V	4.6	0.2	0.58	240
401431127	2012	8	19	4	C	-999	0.3	0	0
401431127	2012	8	19	5	V	0.8	0.3	0.72	255
401431127	2012	8	19	6	V	8.6	0.3	0.63	290
401431127	2012	8	19	7	V	4.0	0.5	0.55	219
401431127	2012	8	19	8	V	5.8	0.2	1.16	217
401431127	2012	8	19	9	V	1.5	0.1	1.81	250
401431127	2012	8	19	10	V	1.4	0.1	1.16	302
401431127	2012	8	19	11	V	1.8	0.2	1.35	111
401431127	2012	8	19	12	V	2.5	0.5	1.25	254
401431127	2012	8	19	13	V	5.2	0.5	1.21	209
401431127	2012	8	19	14	V	4.7	0.4	1.54	221
401431127	2012	8	19	15	V	2.1	0.3	2.59	318
401431127	2012	8	19	16	V	2.6	0.2	2.3	294
401431127	2012	8	19	17	V	2.4	0.3	1.28	324
401431127	2012	8	19	18	V	7.8	1.1	1.16	47

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	19	19	V	11.5	1.8	0.8	208
401431127	2012	8	19	20	V	2.1	1	0.6	314
401431127	2012	8	19	21	V	1.4	0.5	2.4	141
401431127	2012	8	19	22	V	14.0	0.8	1.14	208
401431127	2012	8	19	23	V	0.9	0.5	0.82	310
401431127	2012	8	19	24	V	2.3	0.3	1.04	317
401431127	2012	8	20	1	V	5.6	0.2	1.01	291
401431127	2012	8	20	2	C	-999	0.2	0	0
401431127	2012	8	20	3	V	4.5	0.1	0.8	318
401431127	2012	8	20	4	V	0.9	0.1	0.72	302
401431127	2012	8	20	5	V	0.8	0.1	0.72	326
401431127	2012	8	20	6	V	8.4	0.5	1.03	317
401431127	2012	8	20	7	V	0.9	0.8	1.23	359
401431127	2012	8	20	8	V	1.3	0.4	2.59	16
401431127	2012	8	20	9	V	2.4	0.4	2.47	32
401431127	2012	8	20	10	V	3.7	0.3	2.52	42
401431127	2012	8	20	11	V	3.8	1.4	3.22	40
401431127	2012	8	20	12	V	3.2	2.4	3.1	42
401431127	2012	8	20	13	V	2.5	0.3	3.03	70
401431127	2012	8	20	14	V	3.2	0.3	2.16	21
401431127	2012	8	20	15	V	2.0	0.8	2.79	108
401431127	2012	8	20	16	V	2.5	1.6	2.27	111
401431127	2012	8	20	17	V	2.3	1.4	1.14	315
401431127	2012	8	20	18	V	6.3	1.3	1.52	213
401431127	2012	8	20	19	V	2.9	1.4	1.11	221
401431127	2012	8	20	20	V	2.1	0.7	0.63	278
401431127	2012	8	20	21	V	1.6	1	0.62	286
401431127	2012	8	20	22	V	1.1	0.7	0.87	278
401431127	2012	8	20	23	V	0.8	-999	1.42	262
401431127	2012	8	20	24	V	2.3	-999	0.87	292
401431127	2012	8	21	1	V	5.6	-999	1.14	247
401431127	2012	8	21	2	V	2.8	-999	0.82	253
401431127	2012	8	21	3	C	-999	-999	0	0
401431127	2012	8	21	4	V	0.8	-999	1.21	244
401431127	2012	8	21	5	V	1.0	-999	1.01	225
401431127	2012	8	21	6	V	8.5	-999	0.92	273
401431127	2012	8	21	7	V	1.0	-999	0.69	325
401431127	2012	8	21	8	V	2.6	-999	0.75	51
401431127	2012	8	21	9	V	2.3	-999	0.74	161
401431127	2012	8	21	10	V	1.4	-999	1.13	142
401431127	2012	8	21	11	V	1.7	-999	1.82	105
401431127	2012	8	21	12	V	2.3	-999	2.98	95
401431127	2012	8	21	13	V	2.5	-999	2.62	106
401431127	2012	8	21	14	V	3.1	-999	2.08	85
401431127	2012	8	21	15	V	2.0	-999	2.67	130
401431127	2012	8	21	16	V	2.5	-999	2.2	151

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	21	17	V	2.2	-999	2.61	120
401431127	2012	8	21	18	V	5.8	-999	3.08	110
401431127	2012	8	21	19	V	1.6	-999	2.71	147
401431127	2012	8	21	20	V	2.2	-999	1.08	191
401431127	2012	8	21	21	V	2.1	-999	0.53	229
401431127	2012	8	21	22	V	2.2	-999	0.75	223
401431127	2012	8	21	23	V	2.7	-999	0.75	221
401431127	2012	8	21	24	V	2.3	-999	1.06	233
401431127	2012	8	22	1	V	5.6	-999	1.89	233
401431127	2012	8	22	2	V	2.8	-999	0.92	236
401431127	2012	8	22	3	V	4.4	-999	0.99	241
401431127	2012	8	22	4	V	8.6	-999	1.06	215
401431127	2012	8	22	5	V	0.9	-999	0.57	287
401431127	2012	8	22	6	V	8.6	-999	0.62	275
401431127	2012	8	22	7	V	2.0	-999	0.63	225
401431127	2012	8	22	8	V	4.8	-999	0.99	196
401431127	2012	8	22	9	V	2.0	-999	1.08	165
401431127	2012	8	22	10	V	1.8	-999	1.33	185
401431127	2012	8	22	11	V	2.7	-999	3.88	200
401431127	2012	8	22	12	V	2.2	-999	5.27	187
401431127	2012	8	22	13	V	2.6	-999	5.62	195
401431127	2012	8	22	14	V	3.1	-999	5.19	187
401431127	2012	8	22	15	V	2.0	-999	4.97	187
401431127	2012	8	22	16	V	2.5	-999	5.38	192
401431127	2012	8	22	17	V	2.1	0.6	5.31	177
401431127	2012	8	22	18	V	5.8	0.6	4.82	176
401431127	2012	8	22	19	V	1.5	0.5	4.41	176
401431127	2012	8	22	20	V	1.9	0.4	2.81	185
401431127	2012	8	22	21	V	18.2	0.4	1.62	210
401431127	2012	8	22	22	V	1.2	0.4	0.96	226
401431127	2012	8	22	23	C	-999	9.9	0	0
401431127	2012	8	22	24	V	2.4	4.4	0.62	323
401431127	2012	8	23	1	C	-999	1.3	0	0
401431127	2012	8	23	2	C	-999	0.7	0	0
401431127	2012	8	23	3	C	-999	0.4	0	0
401431127	2012	8	23	4	C	-999	0.4	0	0
401431127	2012	8	23	5	C	-999	0.4	0	0
401431127	2012	8	23	6	C	-999	0.4	0	0
401431127	2012	8	23	7	C	-999	0.5	0	0
401431127	2012	8	23	8	V	3.6	0.7	1.43	224
401431127	2012	8	23	9	V	1.4	1.3	4.39	185
401431127	2012	8	23	10	V	0.9	1.5	6.58	187
401431127	2012	8	23	11	V	1.5	0.8	6.65	180
401431127	2012	8	23	12	V	2.2	0.5	6.43	182
401431127	2012	8	23	13	V	2.4	0.5	5.29	175
401431127	2012	8	23	14	V	3.0	0.5	5.67	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	23	15	V	2.0	0.5	5.24	167
401431127	2012	8	23	16	V	2.5	0.7	5.58	168
401431127	2012	8	23	17	V	2.1	0.6	6.58	184
401431127	2012	8	23	18	V	5.8	0.3	5.46	186
401431127	2012	8	23	19	V	1.6	0.3	4.94	183
401431127	2012	8	23	20	V	2.1	0.3	3.49	190
401431127	2012	8	23	21	V	1.4	0.4	2.03	186
401431127	2012	8	23	22	V	1.0	0.4	2.9	181
401431127	2012	8	23	23	V	0.7	0.5	1.86	181
401431127	2012	8	23	24	V	2.2	0.6	1.94	182
401431127	2012	8	24	1	V	5.6	0.4	1.47	178
401431127	2012	8	24	2	V	18.2	0.4	1.33	210
401431127	2012	8	24	3	V	4.4	0.3	1.54	186
401431127	2012	8	24	4	V	0.7	0.2	2.69	182
401431127	2012	8	24	5	V	0.6	0.3	2.88	179
401431127	2012	8	24	6	V	8.3	0.3	2.76	183
401431127	2012	8	24	7	V	0.9	0.5	3.27	176
401431127	2012	8	24	8	V	1.3	0.5	3.35	179
401431127	2012	8	24	9	V	1.3	0.4	4.95	180
401431127	2012	8	24	10	V	1.0	0.2	5.94	192
401431127	2012	8	24	11	V	1.5	0.1	6.24	182
401431127	2012	8	24	12	V	2.2	0.3	5.27	172
401431127	2012	8	24	13	V	2.4	0.2	6.21	170
401431127	2012	8	24	14	V	3.0	0.2	5.82	166
401431127	2012	8	24	15	V	2.0	0.2	5.27	169
401431127	2012	8	24	16	V	2.5	0.2	5.89	171
401431127	2012	8	24	17	V	2.1	0.2	6.16	172
401431127	2012	8	24	18	V	5.8	0.2	5.24	172
401431127	2012	8	24	19	V	1.6	0.2	3.98	174
401431127	2012	8	24	20	V	1.9	0.2	3.01	172
401431127	2012	8	24	21	V	1.4	0.3	2.59	174
401431127	2012	8	24	22	V	1.0	0.3	2.59	166
401431127	2012	8	24	23	V	0.7	0.2	3.97	154
401431127	2012	8	24	24	V	2.2	0.1	4.24	162
401431127	2012	8	25	1	V	5.5	0.1	4.32	153
401431127	2012	8	25	2	V	2.6	0	4.54	154
401431127	2012	8	25	3	V	4.3	0	4.24	161
401431127	2012	8	25	4	V	0.7	0	3.85	157
401431127	2012	8	25	5	V	0.6	0	3.46	154
401431127	2012	8	25	6	V	8.3	0	3.98	161
401431127	2012	8	25	7	V	0.8	0	3.97	153
401431127	2012	8	25	8	V	1.2	0	4.76	163
401431127	2012	8	25	9	V	1.3	0	5.92	166
401431127	2012	8	25	10	V	0.9	0	5.84	163
401431127	2012	8	25	11	V	1.5	0	5.7	167
401431127	2012	8	25	12	V	2.2	0	6.69	170

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	25	13	V	2.4	0	7.18	176
401431127	2012	8	25	14	V	3.0	0	7.03	179
401431127	2012	8	25	15	V	2.0	0	6.58	175
401431127	2012	8	25	16	V	2.5	0	6.47	170
401431127	2012	8	25	17	V	2.1	0	6.3	174
401431127	2012	8	25	18	V	5.8	0	5.51	167
401431127	2012	8	25	19	V	1.5	0	4.71	161
401431127	2012	8	25	20	V	1.9	0	4.22	162
401431127	2012	8	25	21	V	1.4	0	3.49	162
401431127	2012	8	25	22	V	1.0	0	4.08	260
401431127	2012	8	25	23	V	0.7	0	1.93	29
401431127	2012	8	25	24	V	2.4	0	1.88	228
401431127	2012	8	26	1	V	5.5	0	2.54	168
401431127	2012	8	26	2	V	2.9	0	1.3	192
401431127	2012	8	26	3	V	4.5	0	0.74	270
401431127	2012	8	26	4	V	1.2	0	1.82	196
401431127	2012	8	26	5	V	0.6	0	2.57	173
401431127	2012	8	26	6	V	8.3	0	2.59	174
401431127	2012	8	26	7	V	0.9	0	1.71	174
401431127	2012	8	26	8	V	1.6	0	1.28	179
401431127	2012	8	26	9	V	1.5	0	2.06	162
401431127	2012	8	26	10	V	1.2	0	3.59	192
401431127	2012	8	26	11	V	2.7	0	3.8	213
401431127	2012	8	26	12	V	2.3	0	3.25	227
401431127	2012	8	26	13	V	2.5	0	2.59	249
401431127	2012	8	26	14	V	3.1	0	3.01	251
401431127	2012	8	26	15	V	2.1	0	2.38	299
401431127	2012	8	26	16	V	2.6	0	2.13	272
401431127	2012	8	26	17	V	2.2	0	1.94	290
401431127	2012	8	26	18	V	5.8	0	1.93	308
401431127	2012	8	26	19	V	1.6	0	1.2	306
401431127	2012	8	26	20	V	2.0	0	0.74	295
401431127	2012	8	26	21	V	7.9	0.1	1.08	216
401431127	2012	8	26	22	V	12.5	0.1	1.18	206
401431127	2012	8	26	23	V	0.9	0	0.72	304
401431127	2012	8	26	24	V	2.4	0	0.69	356
401431127	2012	8	27	1	V	5.6	0	1.67	355
401431127	2012	8	27	2	V	2.7	0	1.01	343
401431127	2012	8	27	3	V	4.4	0	1.28	341
401431127	2012	8	27	4	V	0.8	0	1.86	350
401431127	2012	8	27	5	V	0.7	0	1.72	350
401431127	2012	8	27	6	V	8.3	0	2.13	3
401431127	2012	8	27	7	V	0.9	0	2.81	11
401431127	2012	8	27	8	V	1.2	0	3.47	14
401431127	2012	8	27	9	V	1.4	0	3.54	24
401431127	2012	8	27	10	V	1.0	0	3.68	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	27	11	V	1.6	0	3.98	23
401431127	2012	8	27	12	V	2.2	0	4.34	26
401431127	2012	8	27	13	V	2.4	0	4.36	21
401431127	2012	8	27	14	V	3.1	0.1	4.44	28
401431127	2012	8	27	15	V	2.0	0.1	4.65	26
401431127	2012	8	27	16	V	3.3	0.2	5.51	40
401431127	2012	8	27	17	V	3.0	0.4	5.33	41
401431127	2012	8	27	18	V	5.9	0.7	5.56	36
401431127	2012	8	27	19	V	1.6	0.5	4.65	34
401431127	2012	8	27	20	V	1.9	0.1	3.56	29
401431127	2012	8	27	21	V	1.4	0.1	2.35	20
401431127	2012	8	27	22	V	1.0	0.1	2.44	17
401431127	2012	8	27	23	V	0.7	0	3.23	32
401431127	2012	8	27	24	V	2.9	0	3.68	54
401431127	2012	8	28	1	V	7.2	0	2.95	52
401431127	2012	8	28	2	V	2.6	0	2.22	19
401431127	2012	8	28	3	V	4.4	0	1.5	358
401431127	2012	8	28	4	V	0.8	0	1.69	7
401431127	2012	8	28	5	V	0.6	0	2.35	6
401431127	2012	8	28	6	V	8.3	0.1	2.83	13
401431127	2012	8	28	7	V	0.9	0.3	2.52	18
401431127	2012	8	28	8	V	1.3	0.1	2.89	23
401431127	2012	8	28	9	V	5.2	0	3.17	51
401431127	2012	8	28	10	V	0.9	0.3	5.09	80
401431127	2012	8	28	11	V	1.5	1.9	5.02	74
401431127	2012	8	28	12	V	2.9	2.3	4.49	57
401431127	2012	8	28	13	V	3.9	2.2	4.51	51
401431127	2012	8	28	14	V	4.1	1.3	4.42	53
401431127	2012	8	28	15	V	2.7	0.7	4.17	56
401431127	2012	8	28	16	V	3.6	0.5	4.63	52
401431127	2012	8	28	17	V	3.4	0.3	4.48	51
401431127	2012	8	28	18	V	7.2	0.3	4.31	50
401431127	2012	8	28	19	V	5.1	0.4	2.96	44
401431127	2012	8	28	20	V	2.0	0.4	0.96	25
401431127	2012	8	28	21	V	1.5	0.3	0.74	1
401431127	2012	8	28	22	V	1.1	0.3	0.82	321
401431127	2012	8	28	23	V	0.9	0.2	0.65	342
401431127	2012	8	28	24	V	2.3	0.2	1.28	13
401431127	2012	8	29	1	V	5.6	0.1	1.48	15
401431127	2012	8	29	2	V	2.7	0.1	1.14	18
401431127	2012	8	29	3	V	4.6	0.2	0.65	350
401431127	2012	8	29	4	V	1.0	0.3	0.67	339
401431127	2012	8	29	5	V	0.9	0.3	0.6	298
401431127	2012	8	29	6	C	-999	0.3	0	0
401431127	2012	8	29	7	V	1.1	1.1	0.62	351
401431127	2012	8	29	8	V	1.3	0.6	2.34	16

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	29	9	V	1.7	0.2	2.49	27
401431127	2012	8	29	10	V	3.5	0.2	2.04	43
401431127	2012	8	29	11	V	3.0	0.7	3.23	57
401431127	2012	8	29	12	V	2.2	1.4	4.48	71
401431127	2012	8	29	13	V	3.2	1.4	4.15	53
401431127	2012	8	29	14	V	3.8	0.8	4.99	53
401431127	2012	8	29	15	V	2.2	0.6	5.67	60
401431127	2012	8	29	16	V	2.5	1.2	5.26	63
401431127	2012	8	29	17	V	2.2	1.7	5.14	62
401431127	2012	8	29	18	V	6.1	0.6	4.15	57
401431127	2012	8	29	19	V	1.7	0.5	2.27	38
401431127	2012	8	29	20	V	2.0	0.2	0.87	356
401431127	2012	8	29	21	V	1.5	0.3	0.97	338
401431127	2012	8	29	22	V	1.0	0.2	1.37	359
401431127	2012	8	29	23	V	0.8	0.2	1.21	354
401431127	2012	8	29	24	V	2.3	0.2	0.96	352
401431127	2012	8	30	1	M	-999	0.1	0.74	285
401431127	2012	8	30	2	M	-999	0.2	0.7	320
401431127	2012	8	30	3	M	-999	0.1	1.28	346
401431127	2012	8	30	4	M	-999	0	1.14	345
401431127	2012	8	30	5	M	-999	0.1	1.28	9
401431127	2012	8	30	6	M	-999	0.3	1.14	7
401431127	2012	8	30	7	V	0.9	0.7	2.05	13
401431127	2012	8	30	8	V	1.3	0.5	2.35	18
401431127	2012	8	30	9	V	3.1	0.4	2.5	36
401431127	2012	8	30	10	V	4.9	1	2.68	44
401431127	2012	8	30	11	V	3.6	1.1	3.92	40
401431127	2012	8	30	12	V	4.5	-999	5.02	47
401431127	2012	8	30	13	V	3.8	-999	6.04	50
401431127	2012	8	30	14	V	4.2	0.6	6.69	49
401431127	2012	8	30	15	V	3.1	0.4	6.45	48
401431127	2012	8	30	16	V	3.5	0.2	6.53	50
401431127	2012	8	30	17	V	2.5	0.2	6.36	55
401431127	2012	8	30	18	V	5.9	0.2	6.02	58
401431127	2012	8	30	19	V	1.6	0.2	5.19	61
401431127	2012	8	30	20	V	1.9	0.1	3.56	127
401431127	2012	8	30	21	V	7.1	0.1	1.16	217
401431127	2012	8	30	22	V	1.2	0.1	0.62	351
401431127	2012	8	30	23	V	2.5	0.4	4.24	52
401431127	2012	8	30	24	V	2.2	0.2	3.92	60
401431127	2012	8	31	1	V	6.1	0.1	4.61	38
401431127	2012	8	31	2	V	2.6	0	3.98	18
401431127	2012	8	31	3	V	4.3	0	3.12	10
401431127	2012	8	31	4	V	0.7	0.1	3.05	357
401431127	2012	8	31	5	V	0.7	0	3.68	1
401431127	2012	8	31	6	V	8.3	0	4.1	358

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	8	31	7	V	0.8	0	4.12	5
401431127	2012	8	31	8	V	1.3	0	2.88	345
401431127	2012	8	31	9	V	1.4	0	2.96	326
401431127	2012	8	31	10	V	1.0	0	2.83	322
401431127	2012	8	31	11	V	1.6	0	3	323
401431127	2012	8	31	12	V	2.2	0	3.88	353
401431127	2012	8	31	13	V	2.5	0	2.08	336
401431127	2012	8	31	14	V	3.1	0	2.91	342
401431127	2012	8	31	15	V	2.1	0	2.84	305
401431127	2012	8	31	16	V	2.5	0	3.83	355
401431127	2012	8	31	17	V	2.2	0	3.54	347
401431127	2012	8	31	18	V	5.8	0	4.34	10
401431127	2012	8	31	19	V	1.6	0	1.89	4
401431127	2012	8	31	20	V	1.9	0	1.5	332
401431127	2012	8	31	21	V	1.5	0	1.09	290
401431127	2012	8	31	22	V	1.1	0	1.11	269
401431127	2012	8	31	23	V	0.8	0	1.21	274
401431127	2012	8	31	24	V	2.3	0	1.4	248
401431127	2012	9	1	1	V	1.3	0	2.08	232
401431127	2012	9	1	2	V	1.6	0	0.87	286
401431127	2012	9	1	3	V	1.0	0	1.65	227
401431127	2012	9	1	4	V	1.6	0	1.48	256
401431127	2012	9	1	5	V	1.8	0	2.08	249
401431127	2012	9	1	6	V	1.5	0	1.93	256
401431127	2012	9	1	7	V	1.6	0	1.25	269
401431127	2012	9	1	8	V	2.8	0	1.84	293
401431127	2012	9	1	9	V	1.7	0	2.08	303
401431127	2012	9	1	10	V	1.5	0	2.44	299
401431127	2012	9	1	11	V	2.7	0	2.67	293
401431127	2012	9	1	12	V	2.7	0	3.2	278
401431127	2012	9	1	13	V	5.3	0	3.39	267
401431127	2012	9	1	14	V	2.9	0.1	3.17	277
401431127	2012	9	1	15	V	2.2	0.2	3.23	294
401431127	2012	9	1	16	V	2.9	0.2	3.12	276
401431127	2012	9	1	17	V	4.2	0.2	2.67	278
401431127	2012	9	1	18	V	4.0	0.2	2.21	285
401431127	2012	9	1	19	V	2.3	0.2	1.14	329
401431127	2012	9	1	20	V	2.6	0	1.23	321
401431127	2012	9	1	21	V	2.2	0	0.84	238
401431127	2012	9	1	22	V	2.5	0.3	0.57	321
401431127	2012	9	1	23	V	2.6	0.5	0.65	334
401431127	2012	9	1	24	V	2.2	0.6	0.87	227
401431127	2012	9	2	1	V	1.4	0.5	0.79	269
401431127	2012	9	2	2	V	1.6	0.4	1.04	333
401431127	2012	9	2	3	V	1.0	0.2	2.37	16
401431127	2012	9	2	4	V	1.5	0.1	1.64	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	2	5	V	2.1	0.1	1.37	37
401431127	2012	9	2	6	V	1.7	0.1	0.69	313
401431127	2012	9	2	7	V	1.7	0.1	0.75	20
401431127	2012	9	2	8	V	3.5	0.1	0.94	126
401431127	2012	9	2	9	V	1.8	0	1.71	136
401431127	2012	9	2	10	V	2.0	0	1.25	169
401431127	2012	9	2	11	V	2.9	0.2	1.62	174
401431127	2012	9	2	12	V	2.8	0.7	1.48	212
401431127	2012	9	2	13	V	5.4	1.2	1.74	272
401431127	2012	9	2	14	V	3.0	1.6	1.71	242
401431127	2012	9	2	15	V	2.4	1.7	3.23	224
401431127	2012	9	2	16	V	3.0	0.8	3.39	228
401431127	2012	9	2	17	V	4.3	0.3	2.73	229
401431127	2012	9	2	18	V	4.3	0.3	2.38	219
401431127	2012	9	2	19	V	2.6	1.3	0.87	230
401431127	2012	9	2	20	V	3.6	0.3	1.11	222
401431127	2012	9	2	21	V	3.8	0.4	1.23	220
401431127	2012	9	2	22	V	9.3	0.4	1.48	216
401431127	2012	9	2	23	V	11.6	0.8	1.48	215
401431127	2012	9	2	24	V	3.5	2.6	1.33	220
401431127	2012	9	3	1	V	17.6	1.1	1.54	207
401431127	2012	9	3	2	V	9.4	0.5	0.72	207
401431127	2012	9	3	3	C	-999	0.3	0	0
401431127	2012	9	3	4	V	3.8	0.2	0.58	222
401431127	2012	9	3	5	C	-999	0.1	0	0
401431127	2012	9	3	6	V	1.7	0.1	0.69	289
401431127	2012	9	3	7	C	-999	0.2	0	0
401431127	2012	9	3	8	V	4.1	0.5	0.91	183
401431127	2012	9	3	9	V	2.4	0.4	1.57	232
401431127	2012	9	3	10	V	1.7	0.2	1.89	244
401431127	2012	9	3	11	V	3.0	0.2	1.94	225
401431127	2012	9	3	12	V	2.9	0.2	1.91	198
401431127	2012	9	3	13	V	5.4	1.1	2.11	222
401431127	2012	9	3	14	V	3.0	1.2	2.66	202
401431127	2012	9	3	15	V	2.4	0.6	2.5	212
401431127	2012	9	3	16	V	2.9	0.4	4.2	187
401431127	2012	9	3	17	V	4.3	0.4	4.2	188
401431127	2012	9	3	18	V	4.2	1.3	3.64	192
401431127	2012	9	3	19	V	15.5	0.9	1.59	206
401431127	2012	9	3	20	V	8.3	0.5	0.92	217
401431127	2012	9	3	21	V	2.3	0.2	1.14	192
401431127	2012	9	3	22	V	18.3	0	1.47	207
401431127	2012	9	3	23	V	20.2	0	1.47	210
401431127	2012	9	3	24	V	19.6	0.6	1.96	211
401431127	2012	9	4	1	V	5.3	2.3	0.89	200
401431127	2012	9	4	2	V	19.3	2.3	1.48	210

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	4	3	V	6.1	2	0.89	217
401431127	2012	9	4	4	V	2.7	0.7	0.82	195
401431127	2012	9	4	5	V	2.0	0.4	0.6	315
401431127	2012	9	4	6	C	-999	0.4	0	0
401431127	2012	9	4	7	V	11.0	0.4	0.8	211
401431127	2012	9	4	8	V	4.1	0.4	0.97	234
401431127	2012	9	4	9	V	3.2	0.2	1.42	228
401431127	2012	9	4	10	V	2.6	0.3	1.38	211
401431127	2012	9	4	11	V	2.9	0.3	1.89	227
401431127	2012	9	4	12	V	2.8	0.3	1.48	3
401431127	2012	9	4	13	V	5.3	0.3	2.21	175
401431127	2012	9	4	14	V	3.0	0.5	1.91	168
401431127	2012	9	4	15	V	2.3	1.5	2.28	148
401431127	2012	9	4	16	V	2.9	1.6	3.07	112
401431127	2012	9	4	17	V	4.2	0.6	3.93	126
401431127	2012	9	4	18	V	4.0	0.3	3.32	152
401431127	2012	9	4	19	V	2.2	0.2	2.64	183
401431127	2012	9	4	20	V	2.6	0.2	3.39	183
401431127	2012	9	4	21	V	2.4	0.1	2.37	195
401431127	2012	9	4	22	V	3.6	0.1	1.08	221
401431127	2012	9	4	23	V	2.6	0	0.8	229
401431127	2012	9	4	24	V	20.7	0.1	1.77	208
401431127	2012	9	5	1	V	10.9	1.5	2.49	214
401431127	2012	9	5	2	V	13.2	0.7	1.28	205
401431127	2012	9	5	3	V	1.0	0.3	1.53	279
401431127	2012	9	5	4	V	9.0	0.1	1.98	49
401431127	2012	9	5	5	V	1.8	0.1	1.67	4
401431127	2012	9	5	6	V	8.2	0.1	1.59	50
401431127	2012	9	5	7	V	1.6	0.1	1.3	95
401431127	2012	9	5	8	V	4.3	0.1	1.23	34
401431127	2012	9	5	9	V	2.0	0.1	1.25	85
401431127	2012	9	5	10	V	2.6	0.1	1.64	49
401431127	2012	9	5	11	V	3.0	0.1	1.4	51
401431127	2012	9	5	12	V	2.9	0.3	1.84	137
401431127	2012	9	5	13	V	5.3	0.4	2.4	144
401431127	2012	9	5	14	V	3.0	0.7	2.73	114
401431127	2012	9	5	15	V	2.4	0.7	2.47	66
401431127	2012	9	5	16	V	2.9	0.6	1.82	117
401431127	2012	9	5	17	V	4.2	0.7	3.1	134
401431127	2012	9	5	18	V	4.0	0.6	3.8	119
401431127	2012	9	5	19	V	2.2	0.5	2.37	123
401431127	2012	9	5	20	V	14.4	0.2	0.99	209
401431127	2012	9	5	21	V	2.2	0.2	0.7	265
401431127	2012	9	5	22	V	2.5	0	0.6	261
401431127	2012	9	5	23	V	2.6	0.3	0.69	290
401431127	2012	9	5	24	V	2.1	0.2	0.77	285

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	6	1	V	1.5	0.1	0.55	310
401431127	2012	9	6	2	V	1.7	0.2	0.8	277
401431127	2012	9	6	3	V	1.1	0.1	1.04	248
401431127	2012	9	6	4	V	1.8	0.1	0.62	233
401431127	2012	9	6	5	V	1.9	0.1	0.91	278
401431127	2012	9	6	6	V	1.5	0.1	1.74	274
401431127	2012	9	6	7	V	1.5	0.1	2.27	317
401431127	2012	9	6	8	V	2.7	0.1	2.33	340
401431127	2012	9	6	9	V	1.6	0	2.47	344
401431127	2012	9	6	10	V	1.5	0	3.1	350
401431127	2012	9	6	11	V	2.8	0.1	3.05	26
401431127	2012	9	6	12	V	2.9	0.2	2.71	26
401431127	2012	9	6	13	V	5.4	0.3	1.67	282
401431127	2012	9	6	14	V	2.9	0.3	2.89	281
401431127	2012	9	6	15	V	2.3	0.3	1.48	245
401431127	2012	9	6	16	V	3.1	3	2.66	215
401431127	2012	9	6	17	V	4.5	2.4	3.13	214
401431127	2012	9	6	18	V	4.1	2.2	2.16	237
401431127	2012	9	6	19	V	2.3	0.5	1.38	232
401431127	2012	9	6	20	V	2.8	1.2	0.6	237
401431127	2012	9	6	21	C	-999	0.3	0	0
401431127	2012	9	6	22	V	2.3	0.4	1.84	165
401431127	2012	9	6	23	V	2.4	0.2	1.87	172
401431127	2012	9	6	24	V	2.0	0.2	1.6	184
401431127	2012	9	7	1	V	1.3	0.1	1.5	179
401431127	2012	9	7	2	V	1.6	0.1	1.82	188
401431127	2012	9	7	3	V	1.0	0.1	1.91	188
401431127	2012	9	7	4	V	1.5	0	2.22	176
401431127	2012	9	7	5	V	9.9	0.1	1.77	203
401431127	2012	9	7	6	V	1.8	0	0.57	237
401431127	2012	9	7	7	V	1.6	0.1	1.01	166
401431127	2012	9	7	8	V	2.7	0.1	2.71	166
401431127	2012	9	7	9	V	1.6	0.1	3.35	174
401431127	2012	9	7	10	V	1.5	0.1	4.05	180
401431127	2012	9	7	11	V	2.7	0.2	3.27	173
401431127	2012	9	7	12	V	2.7	0.3	3.9	170
401431127	2012	9	7	13	V	5.3	0.3	4.19	180
401431127	2012	9	7	14	V	3.1	0.7	3.71	220
401431127	2012	9	7	15	V	2.2	0.9	4.31	246
401431127	2012	9	7	16	V	2.8	0.3	9.87	358
401431127	2012	9	7	17	V	4.2	0.1	9.2	12
401431127	2012	9	7	18	V	4.0	0	8.01	18
401431127	2012	9	7	19	V	2.2	0	5.26	360
401431127	2012	9	7	20	V	2.6	0	5.34	1
401431127	2012	9	7	21	V	2.0	0	3.32	3
401431127	2012	9	7	22	V	2.2	0	3.27	357

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	7	23	V	2.3	0	3.83	360
401431127	2012	9	7	24	V	1.9	0	4.92	5
401431127	2012	9	8	1	V	1.2	0	5.28	9
401431127	2012	9	8	2	V	1.5	0	4.2	8
401431127	2012	9	8	3	V	1.0	0	3.34	5
401431127	2012	9	8	4	V	1.5	0	2.32	356
401431127	2012	9	8	5	V	1.8	0	1.91	342
401431127	2012	9	8	6	V	1.5	0	1.45	331
401431127	2012	9	8	7	V	1.6	0	0.89	296
401431127	2012	9	8	8	V	2.7	0.1	2.74	349
401431127	2012	9	8	9	V	1.5	0.3	4.12	18
401431127	2012	9	8	10	V	1.5	0.2	4.07	16
401431127	2012	9	8	11	V	2.6	0.1	4.7	7
401431127	2012	9	8	12	V	2.7	0	5.45	9
401431127	2012	9	8	13	V	5.2	0.1	5.41	8
401431127	2012	9	8	14	V	2.9	0	5.04	14
401431127	2012	9	8	15	V	2.2	0	4.46	18
401431127	2012	9	8	16	V	2.8	0	3.98	11
401431127	2012	9	8	17	V	4.2	0.1	3.98	23
401431127	2012	9	8	18	V	4.0	0.1	2.71	19
401431127	2012	9	8	19	V	2.3	0.1	1.54	7
401431127	2012	9	8	20	V	2.7	0.2	0.89	317
401431127	2012	9	8	21	V	2.3	0.5	0.69	275
401431127	2012	9	8	22	C	-999	0.8	0	0
401431127	2012	9	8	23	V	2.6	0.8	0.63	256
401431127	2012	9	8	24	V	8.5	0.6	0.69	205
401431127	2012	9	9	1	V	6.6	0.2	0.62	215
401431127	2012	9	9	2	V	1.7	0.2	0.74	251
401431127	2012	9	9	3	V	1.2	0.1	0.58	248
401431127	2012	9	9	4	M	-999	0.1	0.69	200
401431127	2012	9	9	5	M	-999	0.1	0.7	218
401431127	2012	9	9	6	M	-999	0	0.99	200
401431127	2012	9	9	7	M	-999	0.2	0.55	209
401431127	2012	9	9	8	V	4.1	0.3	0.75	182
401431127	2012	9	9	9	V	2.1	0.2	1.11	326
401431127	2012	9	9	10	V	1.6	0.8	2.16	305
401431127	2012	9	9	11	V	2.7	0.8	2.28	296
401431127	2012	9	9	12	V	2.8	0.2	2.32	300
401431127	2012	9	9	13	V	5.3	0.1	2.13	318
401431127	2012	9	9	14	V	3.0	0.3	4.51	25
401431127	2012	9	9	15	V	2.2	0.4	4.53	19
401431127	2012	9	9	16	V	2.9	0.3	4.99	30
401431127	2012	9	9	17	V	4.6	0.4	4.73	37
401431127	2012	9	9	18	V	4.3	0.4	4.95	38
401431127	2012	9	9	19	V	3.1	0.4	4.26	40
401431127	2012	9	9	20	V	2.6	0.3	3.4	31

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	9	21	V	5.6	0.3	3.2	44
401431127	2012	9	9	22	V	9.3	0.2	2.71	47
401431127	2012	9	9	23	V	2.5	0.2	2.84	55
401431127	2012	9	9	24	V	10.4	0.1	1.82	48
401431127	2012	9	10	1	V	1.3	0	1.43	24
401431127	2012	9	10	2	V	1.6	0	1.28	5
401431127	2012	9	10	3	V	1.0	0.1	1.55	7
401431127	2012	9	10	4	V	1.6	0	1.25	11
401431127	2012	9	10	5	V	1.8	0.1	1.26	11
401431127	2012	9	10	6	V	1.7	0.2	0.69	26
401431127	2012	9	10	7	V	1.7	1	0.65	13
401431127	2012	9	10	8	V	4.2	0.5	1.16	61
401431127	2012	9	10	9	V	1.6	0.7	3.12	146
401431127	2012	9	10	10	V	1.5	0.7	3.1	142
401431127	2012	9	10	11	V	2.8	0.4	2.49	128
401431127	2012	9	10	12	V	2.7	0.4	2.64	127
401431127	2012	9	10	13	V	5.3	0.4	2.47	145
401431127	2012	9	10	14	V	3.0	0.5	2.57	168
401431127	2012	9	10	15	V	2.3	0.9	2.03	168
401431127	2012	9	10	16	V	3.0	1	1.96	167
401431127	2012	9	10	17	V	4.2	0.9	2.89	138
401431127	2012	9	10	18	V	4.0	0.4	3.66	113
401431127	2012	9	10	19	V	2.2	0.4	2.57	124
401431127	2012	9	10	20	V	2.6	0.5	2.32	129
401431127	2012	9	10	21	V	2.1	0.4	2.22	140
401431127	2012	9	10	22	V	2.2	0.7	2.5	153
401431127	2012	9	10	23	V	2.4	0.8	1.5	181
401431127	2012	9	10	24	V	1.9	0.5	1.91	165
401431127	2012	9	11	1	V	1.4	0.5	1.3	225
401431127	2012	9	11	2	V	18.0	0.4	1.37	209
401431127	2012	9	11	3	V	1.0	0.2	1.5	177
401431127	2012	9	11	4	V	1.6	0.1	1.23	187
401431127	2012	9	11	5	V	16.5	0.1	1.21	211
401431127	2012	9	11	6	V	1.5	0.1	1.45	170
401431127	2012	9	11	7	V	1.6	0.4	1.31	169
401431127	2012	9	11	8	V	2.7	1	3.42	170
401431127	2012	9	11	9	V	1.5	1	4.27	178
401431127	2012	9	11	10	V	1.5	1	5.14	185
401431127	2012	9	11	11	V	2.8	1.1	5.11	192
401431127	2012	9	11	12	V	2.7	1.5	6.07	189
401431127	2012	9	11	13	V	5.2	1.5	6.14	179
401431127	2012	9	11	14	V	2.9	1.3	6.41	179
401431127	2012	9	11	15	V	2.2	1.2	5.99	182
401431127	2012	9	11	16	V	2.8	1.1	5.97	171
401431127	2012	9	11	17	V	4.2	0.8	5.53	171
401431127	2012	9	11	18	V	4.0	0.7	5.53	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	11	19	V	2.2	0.6	4.2	171
401431127	2012	9	11	20	V	2.6	0.6	3.71	182
401431127	2012	9	11	21	V	3.1	0.7	2.91	196
401431127	2012	9	11	22	V	5.7	0.8	2.76	200
401431127	2012	9	11	23	V	2.6	1	2.54	194
401431127	2012	9	11	24	V	1.9	0.8	3.8	177
401431127	2012	9	12	1	V	1.3	0.6	3.95	182
401431127	2012	9	12	2	V	1.5	0.4	3.2	178
401431127	2012	9	12	3	V	1.0	0.4	3.59	170
401431127	2012	9	12	4	V	1.5	0.2	3.78	168
401431127	2012	9	12	5	V	1.7	0.2	3.66	165
401431127	2012	9	12	6	V	1.5	0.3	2.88	176
401431127	2012	9	12	7	V	1.5	0.5	2.91	173
401431127	2012	9	12	8	V	2.7	1	4.9	171
401431127	2012	9	12	9	V	1.5	1.2	6.5	183
401431127	2012	9	12	10	V	1.4	1.3	7.47	182
401431127	2012	9	12	11	V	2.6	1.4	7.23	183
401431127	2012	9	12	12	V	2.7	1.3	6.52	173
401431127	2012	9	12	13	V	5.2	1.3	6.43	173
401431127	2012	9	12	14	V	2.9	1.4	5.75	171
401431127	2012	9	12	15	V	2.2	1.3	6.46	167
401431127	2012	9	12	16	V	2.8	1	6.07	174
401431127	2012	9	12	17	V	4.2	1	5.19	161
401431127	2012	9	12	18	V	4.0	1.2	4.78	162
401431127	2012	9	12	19	V	2.2	1.6	3.46	169
401431127	2012	9	12	20	V	3.5	1.2	2.03	197
401431127	2012	9	12	21	V	6.9	0.8	1.65	217
401431127	2012	9	12	22	V	2.4	0.7	1.2	186
401431127	2012	9	12	23	V	2.5	0.7	1.03	163
401431127	2012	9	12	24	V	2.0	0.5	1.6	169
401431127	2012	9	13	1	V	1.3	0.4	1.42	156
401431127	2012	9	13	2	V	1.6	0.3	1.76	154
401431127	2012	9	13	3	V	11.1	0.2	1.84	204
401431127	2012	9	13	4	V	3.1	0.2	0.97	221
401431127	2012	9	13	5	V	1.9	0.1	0.75	243
401431127	2012	9	13	6	V	1.5	0.3	1.38	293
401431127	2012	9	13	7	V	1.7	0.7	0.72	24
401431127	2012	9	13	8	V	2.9	0.9	1.13	92
401431127	2012	9	13	9	V	1.7	1	1.52	102
401431127	2012	9	13	10	V	1.9	1	2.28	65
401431127	2012	9	13	11	V	2.9	0.6	1.91	91
401431127	2012	9	13	12	V	2.8	-999	2.33	122
401431127	2012	9	13	13	V	5.4	-999	2.06	140
401431127	2012	9	13	14	V	3.1	1.7	1.5	109
401431127	2012	9	13	15	V	2.2	0.8	3.34	297
401431127	2012	9	13	16	V	2.9	0.3	3.27	311

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	13	17	V	4.2	0.1	4.36	357
401431127	2012	9	13	18	V	4.0	0.1	6.34	7
401431127	2012	9	13	19	V	2.2	0.1	5.48	11
401431127	2012	9	13	20	V	2.6	0.1	5.38	17
401431127	2012	9	13	21	V	2.0	0.1	5.51	20
401431127	2012	9	13	22	V	2.3	0.1	3.46	16
401431127	2012	9	13	23	V	2.4	0.1	2.81	8
401431127	2012	9	13	24	V	1.9	0.1	2.93	358
401431127	2012	9	14	1	V	1.3	0	3.47	4
401431127	2012	9	14	2	V	1.6	0	3.56	16
401431127	2012	9	14	3	V	1.0	0	4.26	17
401431127	2012	9	14	4	V	1.5	0	3.37	8
401431127	2012	9	14	5	V	1.8	0	3.2	10
401431127	2012	9	14	6	V	1.5	0	3.78	12
401431127	2012	9	14	7	V	1.5	0	3.47	7
401431127	2012	9	14	8	V	2.7	0	3.49	8
401431127	2012	9	14	9	V	1.5	0	3.73	15
401431127	2012	9	14	10	V	1.5	0	4.12	15
401431127	2012	9	14	11	V	2.7	0	3.91	13
401431127	2012	9	14	12	V	2.7	0.1	3.71	10
401431127	2012	9	14	13	V	5.3	0	3.81	11
401431127	2012	9	14	14	V	2.9	0	4.12	14
401431127	2012	9	14	15	V	2.2	0	3.86	12
401431127	2012	9	14	16	V	2.9	0	3.13	8
401431127	2012	9	14	17	V	4.2	0	2.95	4
401431127	2012	9	14	18	V	4.0	0	2.61	1
401431127	2012	9	14	19	V	2.3	0	2.52	358
401431127	2012	9	14	20	V	2.6	0	2.42	1
401431127	2012	9	14	21	V	2.1	0	2.35	2
401431127	2012	9	14	22	V	2.3	0	2.57	7
401431127	2012	9	14	23	V	2.4	0	1.86	357
401431127	2012	9	14	24	V	1.9	0	1.81	357
401431127	2012	9	15	1	V	1.3	0	1.47	349
401431127	2012	9	15	2	V	1.6	0	1.13	347
401431127	2012	9	15	3	V	1.0	0	1.16	334
401431127	2012	9	15	4	V	1.6	0	0.96	311
401431127	2012	9	15	5	V	1.8	0	1.3	313
401431127	2012	9	15	6	V	1.6	0	1.03	326
401431127	2012	9	15	7	V	1.6	0	0.92	337
401431127	2012	9	15	8	V	2.8	0	1.13	325
401431127	2012	9	15	9	V	1.9	0	0.89	337
401431127	2012	9	15	10	V	2.2	0	0.65	262
401431127	2012	9	15	11	V	3.3	0	1.11	236
401431127	2012	9	15	12	V	3.0	0	1.21	252
401431127	2012	9	15	13	V	5.5	0	1.38	286
401431127	2012	9	15	14	V	3.2	0	1.18	254

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	15	15	V	2.6	0	1.2	240
401431127	2012	9	15	16	V	3.6	0	0.82	237
401431127	2012	9	15	17	V	4.5	0	0.82	255
401431127	2012	9	15	18	V	4.1	0	1.18	282
401431127	2012	9	15	19	V	2.3	0	0.97	295
401431127	2012	9	15	20	V	2.7	0	1.01	275
401431127	2012	9	15	21	V	2.2	0	0.99	295
401431127	2012	9	15	22	V	2.3	0	1.33	335
401431127	2012	9	15	23	V	2.5	0	0.82	308
401431127	2012	9	15	24	V	2.1	0	0.77	267
401431127	2012	9	16	1	V	1.4	0	0.77	275
401431127	2012	9	16	2	V	1.6	0	0.97	258
401431127	2012	9	16	3	V	1.1	0	0.86	294
401431127	2012	9	16	4	C	-999	0	0	0
401431127	2012	9	16	5	V	2.0	0	0.63	352
401431127	2012	9	16	6	V	1.8	0	0.65	231
401431127	2012	9	16	7	V	1.6	0	1.03	251
401431127	2012	9	16	8	V	3.0	0	1.23	246
401431127	2012	9	16	9	V	3.3	0	0.91	231
401431127	2012	9	16	10	V	5.9	0	1.21	215
401431127	2012	9	16	11	V	7.4	0.3	1.55	208
401431127	2012	9	16	12	V	4.0	1.2	1.86	194
401431127	2012	9	16	13	V	6.0	1.1	2.27	193
401431127	2012	9	16	14	V	3.9	2.5	1.94	196
401431127	2012	9	16	15	V	2.4	4.1	2.21	184
401431127	2012	9	16	16	V	2.9	5.2	2.39	177
401431127	2012	9	16	17	V	4.7	2.8	2.4	195
401431127	2012	9	16	18	V	4.0	0.6	2.52	158
401431127	2012	9	16	19	V	2.3	0.3	2.21	170
401431127	2012	9	16	20	V	2.7	0.2	1.4	188
401431127	2012	9	16	21	V	2.2	0.2	1.6	190
401431127	2012	9	16	22	V	2.4	0.1	1.79	193
401431127	2012	9	16	23	V	2.5	0.1	0.8	237
401431127	2012	9	16	24	V	7.6	0.2	0.55	206
401431127	2012	9	17	1	V	4.2	0.4	0.69	220
401431127	2012	9	17	2	V	1.8	0.5	0.74	175
401431127	2012	9	17	3	V	5.0	0.4	0.52	202
401431127	2012	9	17	4	V	5.9	0.2	0.52	215
401431127	2012	9	17	5	V	2.0	0.3	0.63	276
401431127	2012	9	17	6	V	10.0	0.4	0.84	206
401431127	2012	9	17	7	V	18.3	0.8	1.33	209
401431127	2012	9	17	8	V	4.9	0.7	1	227
401431127	2012	9	17	9	V	2.7	0.5	0.72	269
401431127	2012	9	17	10	V	2.0	0.2	1.23	170
401431127	2012	9	17	11	V	3.0	0.2	1.6	143
401431127	2012	9	17	12	V	2.9	0.2	1.7	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	17	13	V	5.4	0.3	1.79	132
401431127	2012	9	17	14	V	3.1	0.3	2.04	95
401431127	2012	9	17	15	V	2.3	0.4	2.23	107
401431127	2012	9	17	16	V	3.0	1.2	1.93	104
401431127	2012	9	17	17	V	4.2	1.7	2.23	86
401431127	2012	9	17	18	V	4.0	2	2.57	117
401431127	2012	9	17	19	V	9.2	1.1	1.52	202
401431127	2012	9	17	20	V	2.8	0.6	0.62	244
401431127	2012	9	17	21	V	2.3	0.5	0.69	234
401431127	2012	9	17	22	V	2.3	0.5	1.43	299
401431127	2012	9	17	23	V	2.3	0.2	5.58	7
401431127	2012	9	17	24	V	1.9	0.1	6.41	19
401431127	2012	9	18	1	V	1.2	0.1	6.67	16
401431127	2012	9	18	2	V	1.5	0.1	5.6	16
401431127	2012	9	18	3	V	1.0	0	5.27	15
401431127	2012	9	18	4	V	1.5	0	5.41	17
401431127	2012	9	18	5	V	1.7	0.1	4.12	18
401431127	2012	9	18	6	V	1.5	0	2.76	9
401431127	2012	9	18	7	V	1.5	0	1.64	354
401431127	2012	9	18	8	V	2.7	0.2	2.66	8
401431127	2012	9	18	9	V	1.6	0.3	2.62	13
401431127	2012	9	18	10	V	2.3	1.4	2.49	32
401431127	2012	9	18	11	V	2.7	3.7	3.95	27
401431127	2012	9	18	12	V	2.9	0.2	3.9	29
401431127	2012	9	18	13	V	5.3	0.2	4.03	25
401431127	2012	9	18	14	V	3.1	0.1	3.29	27
401431127	2012	9	18	15	V	2.9	0.2	2.74	45
401431127	2012	9	18	16	V	3.2	0.2	2.4	32
401431127	2012	9	18	17	V	4.5	0.2	1.35	63
401431127	2012	9	18	18	V	4.0	0.3	1.82	122
401431127	2012	9	18	19	V	2.2	0.7	2.38	135
401431127	2012	9	18	20	V	5.8	0.8	0.75	219
401431127	2012	9	18	21	V	2.3	0.4	0.67	255
401431127	2012	9	18	22	C	-999	0.7	0	0
401431127	2012	9	18	23	V	3.5	0.7	0.65	225
401431127	2012	9	18	24	V	2.4	0.8	0.58	231
401431127	2012	9	19	1	V	1.3	0.5	0.94	235
401431127	2012	9	19	2	V	2.0	0.5	0.91	225
401431127	2012	9	19	3	V	9.1	0.7	1.06	215
401431127	2012	9	19	4	V	1.7	0.3	0.74	232
401431127	2012	9	19	5	V	2.0	0.1	0.58	270
401431127	2012	9	19	6	C	-999	0.2	0	0
401431127	2012	9	19	7	V	2.0	0.5	0.87	225
401431127	2012	9	19	8	V	8.2	0.8	1.69	211
401431127	2012	9	19	9	V	1.6	0.8	4.05	188
401431127	2012	9	19	10	V	1.5	0.5	6.45	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	19	11	V	2.7	0.8	6.92	191
401431127	2012	9	19	12	V	2.8	1.3	6.53	194
401431127	2012	9	19	13	V	5.5	1.5	6.74	198
401431127	2012	9	19	14	V	3.0	1.2	6.72	192
401431127	2012	9	19	15	V	2.3	0.8	6.7	191
401431127	2012	9	19	16	V	3.0	0.7	5.75	193
401431127	2012	9	19	17	V	4.2	0.4	5.79	190
401431127	2012	9	19	18	V	4.0	0.3	4.85	184
401431127	2012	9	19	19	V	2.2	0.3	3	182
401431127	2012	9	19	20	V	2.6	0.7	2.3	186
401431127	2012	9	19	21	V	12.3	0.6	1.5	204
401431127	2012	9	19	22	V	2.7	0.3	1.5	195
401431127	2012	9	19	23	V	3.0	0.3	3.15	194
401431127	2012	9	19	24	V	4.0	0.5	2.98	198
401431127	2012	9	20	1	V	16.6	0.7	1.57	212
401431127	2012	9	20	2	V	1.7	1.2	1.06	186
401431127	2012	9	20	3	V	1.7	10.4	1.5	196
401431127	2012	9	20	4	V	6.4	9.6	1.5	201
401431127	2012	9	20	5	V	2.6	2.1	0.75	225
401431127	2012	9	20	6	V	3.2	3.8	0.55	224
401431127	2012	9	20	7	V	10.5	3.2	1.13	204
401431127	2012	9	20	8	V	8.5	4.9	1.93	203
401431127	2012	9	20	9	V	1.7	14	2.35	182
401431127	2012	9	20	10	V	1.7	5.8	3.07	187
401431127	2012	9	20	11	V	4.7	1	2.91	204
401431127	2012	9	20	12	V	3.5	2.7	1.77	215
401431127	2012	9	20	13	V	5.4	3.7	1.96	95
401431127	2012	9	20	14	V	3.1	1.5	2.03	110
401431127	2012	9	20	15	V	2.3	1.1	2.25	96
401431127	2012	9	20	16	V	2.9	0.7	2.08	94
401431127	2012	9	20	17	V	4.2	0.5	2.27	93
401431127	2012	9	20	18	V	4.0	0.5	3.18	64
401431127	2012	9	20	19	V	2.3	0.7	3.51	57
401431127	2012	9	20	20	V	5.1	1.8	3.35	51
401431127	2012	9	20	21	V	2.1	1.1	3.12	57
401431127	2012	9	20	22	V	3.1	0.5	2.06	40
401431127	2012	9	20	23	V	2.6	0.3	0.67	9
401431127	2012	9	20	24	V	2.0	0.2	1.14	168
401431127	2012	9	21	1	V	1.6	0.1	0.52	302
401431127	2012	9	21	2	C	-999	0.1	0	0
401431127	2012	9	21	3	V	16.4	0.2	1.21	210
401431127	2012	9	21	4	V	6.6	0.3	0.91	217
401431127	2012	9	21	5	V	1.8	0.3	1.38	358
401431127	2012	9	21	6	C	-999	0.2	0	0
401431127	2012	9	21	7	V	1.7	0.4	0.65	251
401431127	2012	9	21	8	V	7.1	0.5	1.96	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	21	9	V	1.6	2.1	4.19	190
401431127	2012	9	21	10	V	3.1	4.7	2.93	214
401431127	2012	9	21	11	V	2.7	0.7	3.47	254
401431127	2012	9	21	12	V	2.8	0.5	2.52	276
401431127	2012	9	21	13	V	5.3	0.6	2.37	319
401431127	2012	9	21	14	V	3.1	0.7	1.77	350
401431127	2012	9	21	15	V	2.5	0.7	1.87	202
401431127	2012	9	21	16	V	2.9	0.8	1.71	277
401431127	2012	9	21	17	V	4.2	0.5	2.1	287
401431127	2012	9	21	18	V	4.3	0.6	3.46	38
401431127	2012	9	21	19	V	2.3	1.1	1.3	15
401431127	2012	9	21	20	V	2.7	0.9	0.91	304
401431127	2012	9	21	21	V	2.1	0.6	1.79	345
401431127	2012	9	21	22	V	2.2	0.6	2.37	6
401431127	2012	9	21	23	V	2.3	0.7	3.2	13
401431127	2012	9	21	24	V	6.8	1	1.62	43
401431127	2012	9	22	1	V	1.3	0.3	1.6	20
401431127	2012	9	22	2	V	1.6	0.3	1.59	15
401431127	2012	9	22	3	V	1.1	0.2	1.21	345
401431127	2012	9	22	4	V	1.6	0.2	1.01	270
401431127	2012	9	22	5	V	1.9	0.2	0.72	270
401431127	2012	9	22	6	V	1.9	0.3	0.53	235
401431127	2012	9	22	7	V	1.8	0.4	0.6	11
401431127	2012	9	22	8	V	3.0	0.6	1.69	19
401431127	2012	9	22	9	V	1.6	0.5	2.81	19
401431127	2012	9	22	10	V	4.7	1.4	2.64	45
401431127	2012	9	22	11	V	2.9	1.1	1.93	108
401431127	2012	9	22	12	V	2.7	1.2	5.07	23
401431127	2012	9	22	13	V	5.2	0.8	6.02	25
401431127	2012	9	22	14	V	3.1	0.6	5.51	35
401431127	2012	9	22	15	V	2.4	0.4	4.85	34
401431127	2012	9	22	16	V	2.9	0.3	5.5	27
401431127	2012	9	22	17	V	4.2	0.3	5.7	30
401431127	2012	9	22	18	V	4.0	0.3	5.51	28
401431127	2012	9	22	19	V	2.2	0.3	5.12	28
401431127	2012	9	22	20	V	2.6	0.2	4.94	34
401431127	2012	9	22	21	V	2.1	0.1	5.38	34
401431127	2012	9	22	22	V	2.3	0.1	5.31	35
401431127	2012	9	22	23	V	3.2	0.1	5.38	40
401431127	2012	9	22	24	V	6.0	0.3	4.65	46
401431127	2012	9	23	1	V	5.1	0.2	4.93	48
401431127	2012	9	23	2	V	1.6	0.2	4.07	57
401431127	2012	9	23	3	V	1.0	0.6	5.14	34
401431127	2012	9	23	4	V	1.5	0.2	4.12	74
401431127	2012	9	23	5	V	4.4	0	3.83	43
401431127	2012	9	23	6	V	2.2	0	4.41	40

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	23	7	V	1.5	0	3.9	36
401431127	2012	9	23	8	V	2.7	0	4.66	34
401431127	2012	9	23	9	V	1.6	0.2	3.4	127
401431127	2012	9	23	10	V	1.6	1.1	2.5	82
401431127	2012	9	23	11	V	5.2	1.3	2.78	43
401431127	2012	9	23	12	V	4.0	1.2	3.44	50
401431127	2012	9	23	13	V	6.0	1.1	3.86	54
401431127	2012	9	23	14	V	2.9	1.2	3.64	83
401431127	2012	9	23	15	V	2.2	0.7	3.78	91
401431127	2012	9	23	16	V	2.8	0.2	4.27	101
401431127	2012	9	23	17	V	4.2	0.2	4.71	89
401431127	2012	9	23	18	V	4.1	0.7	3.73	103
401431127	2012	9	23	19	V	2.2	1.4	3.25	64
401431127	2012	9	23	20	V	2.6	0.9	3.29	57
401431127	2012	9	23	21	V	2.0	0.3	2.88	65
401431127	2012	9	23	22	V	2.2	0.1	2.81	71
401431127	2012	9	23	23	V	2.4	0.1	2.73	56
401431127	2012	9	23	24	V	1.9	0	2.91	83
401431127	2012	9	24	1	V	1.2	0	3.12	93
401431127	2012	9	24	2	V	1.5	0.1	3.52	109
401431127	2012	9	24	3	V	1.0	0.3	3.63	123
401431127	2012	9	24	4	V	1.5	0.7	3.68	132
401431127	2012	9	24	5	V	1.7	0.5	3.78	148
401431127	2012	9	24	6	V	1.5	0.6	3.88	163
401431127	2012	9	24	7	V	1.5	0.7	4.59	168
401431127	2012	9	24	8	V	2.7	0.8	4.22	168
401431127	2012	9	24	9	V	1.5	0.9	4.66	175
401431127	2012	9	24	10	V	1.4	0.8	6.41	183
401431127	2012	9	24	11	V	2.7	0.8	6.99	189
401431127	2012	9	24	12	V	3.1	0.8	6.6	200
401431127	2012	9	24	13	V	5.4	0.9	6.02	193
401431127	2012	9	24	14	V	3.2	0.9	5.78	199
401431127	2012	9	24	15	V	2.4	1	6.26	196
401431127	2012	9	24	16	V	3.1	0.6	6.72	199
401431127	2012	9	24	17	V	4.2	0.6	5.73	188
401431127	2012	9	24	18	V	4.0	0.5	4.87	184
401431127	2012	9	24	19	V	2.2	0.4	3.98	178
401431127	2012	9	24	20	V	2.6	0.3	3.08	173
401431127	2012	9	24	21	V	2.0	0.3	2.5	171
401431127	2012	9	24	22	V	2.3	0.3	1.65	185
401431127	2012	9	24	23	V	2.3	0.3	2.81	179
401431127	2012	9	24	24	V	1.9	0.2	3.05	181
401431127	2012	9	25	1	V	1.5	0.5	4.94	189
401431127	2012	9	25	2	V	2.0	0.8	3.63	192
401431127	2012	9	25	3	V	3.7	1	4.92	198
401431127	2012	9	25	4	V	5.2	2.9	5.39	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	25	5	V	4.4	2.7	4.83	198
401431127	2012	9	25	6	V	2.8	1.3	4.75	195
401431127	2012	9	25	7	V	2.5	1	4.19	194
401431127	2012	9	25	8	V	2.7	0.8	5.17	192
401431127	2012	9	25	9	V	2.1	1	6.09	202
401431127	2012	9	25	10	V	2.2	4.2	6.94	208
401431127	2012	9	25	11	V	3.3	2.4	6.7	207
401431127	2012	9	25	12	V	3.1	1.2	6.94	212
401431127	2012	9	25	13	V	5.6	1.4	7.72	203
401431127	2012	9	25	14	V	3.1	1.2	7.03	198
401431127	2012	9	25	15	V	2.3	1.2	8.06	193
401431127	2012	9	25	16	V	3.0	0.5	7.57	197
401431127	2012	9	25	17	V	4.3	0.4	7.43	193
401431127	2012	9	25	18	V	4.0	0.3	6.67	192
401431127	2012	9	25	19	V	2.3	0.3	4.99	186
401431127	2012	9	25	20	V	2.7	0.2	3.78	188
401431127	2012	9	25	21	V	2.0	0.2	2.08	171
401431127	2012	9	25	22	V	2.2	0.2	2.81	175
401431127	2012	9	25	23	V	2.4	0.2	5.38	182
401431127	2012	9	25	24	V	6.4	1	7.91	208
401431127	2012	9	26	1	V	5.4	3.9	7.71	205
401431127	2012	9	26	2	V	5.7	1.4	5.58	201
401431127	2012	9	26	3	V	1.0	0.4	1.55	265
401431127	2012	9	26	4	V	1.5	0.1	1.84	180
401431127	2012	9	26	5	V	1.7	3.1	2.2	163
401431127	2012	9	26	6	V	1.5	2.1	1.74	158
401431127	2012	9	26	7	V	1.5	0.5	1.28	234
401431127	2012	9	26	8	V	3.0	0.7	1.33	102
401431127	2012	9	26	9	V	1.7	0.3	1.79	320
401431127	2012	9	26	10	V	1.5	0.2	3.46	25
401431127	2012	9	26	11	V	2.8	0.1	2.66	69
401431127	2012	9	26	12	V	2.7	0.2	3.07	103
401431127	2012	9	26	13	V	5.3	0.1	3.93	132
401431127	2012	9	26	14	V	2.9	0.1	4.31	140
401431127	2012	9	26	15	V	2.2	0.1	3.2	125
401431127	2012	9	26	16	V	2.9	0.1	3.34	114
401431127	2012	9	26	17	V	4.2	0.1	3.71	156
401431127	2012	9	26	18	V	4.1	0.2	3.12	167
401431127	2012	9	26	19	V	14.0	0.2	1.11	207
401431127	2012	9	26	20	V	2.6	0.2	2.86	174
401431127	2012	9	26	21	V	2.1	0.3	2.36	348
401431127	2012	9	26	22	V	2.7	0.2	3.36	191
401431127	2012	9	26	23	C	-999	0.2	0	0
401431127	2012	9	26	24	V	6.7	0.1	2.36	218
401431127	2012	9	27	1	V	2.6	0.2	5.36	224
401431127	2012	9	27	2	V	2.4	0.2	4.36	228

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	27	3	V	7.7	0	2.86	202
401431127	2012	9	27	4	C	-999	0.3	0	0
401431127	2012	9	27	5	V	1.8	0.2	1.76	13
401431127	2012	9	27	6	V	1.5	0.1	1.37	358
401431127	2012	9	27	7	V	1.5	0.1	2.28	29
401431127	2012	9	27	8	V	2.9	0.1	1.2	7
401431127	2012	9	27	9	V	2.0	0	2.1	33
401431127	2012	9	27	10	V	2.9	0.1	3.15	40
401431127	2012	9	27	11	V	3.0	0.1	3.08	33
401431127	2012	9	27	12	V	3.6	2.1	2.74	56
401431127	2012	9	27	13	V	5.5	-999	1.74	166
401431127	2012	9	27	14	V	3.1	-999	1.55	259
401431127	2012	9	27	15	V	2.3	1.5	1.62	287
401431127	2012	9	27	16	V	3.0	0.5	1.48	298
401431127	2012	9	27	17	V	4.3	0.2	1.35	353
401431127	2012	9	27	18	C	-999	0.2	0	0
401431127	2012	9	27	19	V	2.5	0.2	0.58	303
401431127	2012	9	27	20	V	11.2	0.1	1.03	204
401431127	2012	9	27	21	V	2.3	0.2	0.57	333
401431127	2012	9	27	22	V	2.4	0.2	0.8	286
401431127	2012	9	27	23	C	-999	0.2	0	0
401431127	2012	9	27	24	V	2.2	0.1	0.53	331
401431127	2012	9	28	1	V	1.4	0.1	0.8	265
401431127	2012	9	28	2	V	1.7	0.1	0.65	240
401431127	2012	9	28	3	V	1.3	0.1	0.53	303
401431127	2012	9	28	4	C	-999	0.1	0	0
401431127	2012	9	28	5	C	-999	0.1	0	0
401431127	2012	9	28	6	V	1.6	0.5	0.79	343
401431127	2012	9	28	7	V	1.7	0.6	0.63	340
401431127	2012	9	28	8	V	3.3	0.1	1.01	20
401431127	2012	9	28	9	V	2.4	0.1	1.11	39
401431127	2012	9	28	10	V	1.8	0.1	1.3	93
401431127	2012	9	28	11	V	2.8	0	1.7	83
401431127	2012	9	28	12	V	2.9	0.3	1.64	60
401431127	2012	9	28	13	V	5.5	0.8	1.65	30
401431127	2012	9	28	14	V	2.9	0.8	2.33	9
401431127	2012	9	28	15	V	2.3	1.2	1.96	16
401431127	2012	9	28	16	V	3.0	0.9	1.67	48
401431127	2012	9	28	17	V	4.2	0.8	2.03	165
401431127	2012	9	28	18	V	4.9	1.4	1.72	201
401431127	2012	9	28	19	V	2.3	0.5	1.09	10
401431127	2012	9	28	20	V	2.6	0.3	2.15	36
401431127	2012	9	28	21	V	2.0	0.1	2.06	22
401431127	2012	9	28	22	V	2.2	0.2	2.44	21
401431127	2012	9	28	23	V	2.3	0.2	3.07	21
401431127	2012	9	28	24	V	1.9	0.2	3.63	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	29	1	V	1.3	0.1	3.13	22
401431127	2012	9	29	2	V	1.6	0	3.2	21
401431127	2012	9	29	3	V	1.0	0.1	3.03	25
401431127	2012	9	29	4	V	1.5	0	2.84	26
401431127	2012	9	29	5	V	1.8	0	2.95	17
401431127	2012	9	29	6	V	1.5	0	2.93	4
401431127	2012	9	29	7	V	1.5	0	2.3	20
401431127	2012	9	29	8	V	2.7	0	2.89	26
401431127	2012	9	29	9	V	1.6	0.1	3.27	31
401431127	2012	9	29	10	V	2.5	0.1	3.29	39
401431127	2012	9	29	11	V	3.6	0.1	3.39	39
401431127	2012	9	29	12	V	2.8	0.2	2.64	27
401431127	2012	9	29	13	V	5.3	0.2	2.74	29
401431127	2012	9	29	14	V	2.9	0.1	2.59	357
401431127	2012	9	29	15	V	2.2	0.1	2.86	5
401431127	2012	9	29	16	V	2.9	0.3	3.54	64
401431127	2012	9	29	17	V	4.5	0.7	1.2	31
401431127	2012	9	29	18	V	4.1	0.3	0.75	86
401431127	2012	9	29	19	V	2.4	0.2	0.62	340
401431127	2012	9	29	20	V	2.8	0.1	0.62	298
401431127	2012	9	29	21	V	2.2	0.2	0.63	294
401431127	2012	9	29	22	V	2.4	0.2	0.63	327
401431127	2012	9	29	23	V	2.3	0.4	1.86	3
401431127	2012	9	29	24	V	1.9	0.3	1.76	1
401431127	2012	9	30	1	V	1.3	0.3	1.7	6
401431127	2012	9	30	2	V	1.6	0.2	1.64	12
401431127	2012	9	30	3	V	1.0	0.2	2.05	10
401431127	2012	9	30	4	V	1.5	0.1	2.45	7
401431127	2012	9	30	5	V	1.7	0.2	2.57	12
401431127	2012	9	30	6	V	1.5	0.2	1.89	18
401431127	2012	9	30	7	V	1.5	0.2	1.91	14
401431127	2012	9	30	8	V	2.7	0.2	2.74	19
401431127	2012	9	30	9	V	1.6	0.2	2.61	17
401431127	2012	9	30	10	V	1.5	0.3	2.69	22
401431127	2012	9	30	11	V	3.0	0.4	2.66	32
401431127	2012	9	30	12	V	3.4	2.2	3.05	48
401431127	2012	9	30	13	V	5.8	3	3.52	42
401431127	2012	9	30	14	V	3.0	1.7	3.42	23
401431127	2012	9	30	15	V	2.3	2.2	3.08	23
401431127	2012	9	30	16	V	2.9	2.1	3.63	25
401431127	2012	9	30	17	V	4.2	1.6	2.98	22
401431127	2012	9	30	18	V	4.1	1.9	1.48	21
401431127	2012	9	30	19	V	2.3	2.3	0.79	351
401431127	2012	9	30	20	V	2.6	0.6	1.43	344
401431127	2012	9	30	21	V	2.1	0.3	1.69	5
401431127	2012	9	30	22	V	2.3	0.3	1.13	310

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	9	30	23	V	2.4	0.2	1.3	7
401431127	2012	9	30	24	V	1.9	0.3	1.76	346
401431127	2012	10	1	1	V	1.3	0.4	1.26	313
401431127	2012	10	1	2	V	1.6	0.1	1.35	347
401431127	2012	10	1	3	V	1.0	0.3	1.59	348
401431127	2012	10	1	4	V	1.6	0.4	1.2	337
401431127	2012	10	1	5	V	1.8	0.4	1.04	317
401431127	2012	10	1	6	V	1.5	0.3	1.14	333
401431127	2012	10	1	7	V	1.6	0.3	0.74	317
401431127	2012	10	1	8	C	-999	0.4	0	0
401431127	2012	10	1	9	V	1.8	0.4	1.5	299
401431127	2012	10	1	10	V	1.5	0.4	2.33	332
401431127	2012	10	1	11	V	2.7	0.4	3.97	354
401431127	2012	10	1	12	V	2.7	0.6	4.58	356
401431127	2012	10	1	13	V	5.2	1.9	6.55	17
401431127	2012	10	1	14	V	2.9	1.5	6.09	10
401431127	2012	10	1	15	V	2.2	1.4	5.36	23
401431127	2012	10	1	16	V	2.8	1.1	5.7	21
401431127	2012	10	1	17	V	4.2	0.9	4.93	27
401431127	2012	10	1	18	V	4.1	0.7	4	14
401431127	2012	10	1	19	V	2.2	0.2	3.83	335
401431127	2012	10	1	20	V	2.6	0.1	3.93	341
401431127	2012	10	1	21	V	2.0	0.1	3.24	350
401431127	2012	10	1	22	V	2.2	0.1	2.93	354
401431127	2012	10	1	23	V	2.3	0.1	2.93	353
401431127	2012	10	1	24	V	1.9	0.1	2.76	354
401431127	2012	10	2	1	V	1.2	0.1	2.08	342
401431127	2012	10	2	2	V	1.6	0.1	1.89	330
401431127	2012	10	2	3	V	1.0	0.2	2.32	344
401431127	2012	10	2	4	V	1.5	0.2	2.81	352
401431127	2012	10	2	5	V	1.7	0.1	2.3	347
401431127	2012	10	2	6	V	1.5	0.1	1.69	333
401431127	2012	10	2	7	V	1.6	0.7	1.48	332
401431127	2012	10	2	8	V	3.0	0.6	1.38	304
401431127	2012	10	2	9	V	1.6	0.3	2.06	348
401431127	2012	10	2	10	V	1.6	0.3	2.88	24
401431127	2012	10	2	11	V	2.8	0.3	1.79	5
401431127	2012	10	2	12	V	2.8	0.2	2.57	19
401431127	2012	10	2	13	V	5.3	0.2	2.86	334
401431127	2012	10	2	14	V	2.9	0.2	2.88	314
401431127	2012	10	2	15	V	2.2	0.1	3	353
401431127	2012	10	2	16	V	2.9	0.1	2.18	324
401431127	2012	10	2	17	V	4.2	0.1	2.05	307
401431127	2012	10	2	18	V	4.1	0.1	1.57	262
401431127	2012	10	2	19	V	2.3	0.2	1.03	275
401431127	2012	10	2	20	V	2.7	0.4	0.89	326

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	2	21	V	2.2	0.6	0.8	328
401431127	2012	10	2	22	C	-999	0.6	0	0
401431127	2012	10	2	23	V	2.6	0.6	0.55	265
401431127	2012	10	2	24	C	-999	0.5	0	0
401431127	2012	10	3	1	V	1.4	0.8	0.77	254
401431127	2012	10	3	2	V	6.4	0.9	0.52	211
401431127	2012	10	3	3	V	1.3	0.7	0.53	261
401431127	2012	10	3	4	V	1.8	0.6	0.63	235
401431127	2012	10	3	5	C	-999	0.4	0	0
401431127	2012	10	3	6	V	3.0	1.2	0.62	224
401431127	2012	10	3	7	V	1.8	1.2	0.57	273
401431127	2012	10	3	8	V	5.8	2.4	0.63	199
401431127	2012	10	3	9	V	2.7	4.4	0.62	216
401431127	2012	10	3	10	V	2.1	1.4	1.76	190
401431127	2012	10	3	11	V	2.7	0.8	2.95	179
401431127	2012	10	3	12	V	2.9	0.5	4.05	193
401431127	2012	10	3	13	V	5.3	0.5	4.75	181
401431127	2012	10	3	14	V	3.0	0.4	5.28	191
401431127	2012	10	3	15	V	2.3	0.2	5.05	191
401431127	2012	10	3	16	V	2.9	0.3	5.36	192
401431127	2012	10	3	17	V	4.3	0.4	5.17	193
401431127	2012	10	3	18	V	4.4	0.4	3.56	190
401431127	2012	10	3	19	V	2.3	0.3	1.59	188
401431127	2012	10	3	20	V	2.8	0.3	1.23	192
401431127	2012	10	3	21	V	2.1	0.2	1.64	179
401431127	2012	10	3	22	V	2.2	0.3	2.73	172
401431127	2012	10	3	23	V	2.3	0.5	2.76	166
401431127	2012	10	3	24	V	1.9	0.7	2.64	167
401431127	2012	10	4	1	V	1.3	0.6	2.22	168
401431127	2012	10	4	2	V	1.6	0.5	1.96	161
401431127	2012	10	4	3	V	1.1	0.4	0.97	153
401431127	2012	10	4	4	V	8.0	0.3	0.63	208
401431127	2012	10	4	5	C	-999	0.2	0	0
401431127	2012	10	4	6	V	1.5	0.2	1.23	2
401431127	2012	10	4	7	V	1.6	0.4	1.11	174
401431127	2012	10	4	8	V	2.8	0.6	2.25	164
401431127	2012	10	4	9	V	1.6	0.7	3.61	181
401431127	2012	10	4	10	V	1.5	1.5	3.57	186
401431127	2012	10	4	11	V	2.9	4.1	4.68	194
401431127	2012	10	4	12	V	3.8	2.4	3.37	199
401431127	2012	10	4	13	V	5.3	0.8	2.5	239
401431127	2012	10	4	14	V	2.9	0.6	2.78	343
401431127	2012	10	4	15	V	2.2	0.7	3.9	4
401431127	2012	10	4	16	V	2.8	0.4	3.98	14
401431127	2012	10	4	17	V	4.2	0.4	3.49	6
401431127	2012	10	4	18	V	4.1	0.3	4.03	12

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	4	19	V	2.2	0.2	4.87	12
401431127	2012	10	4	20	V	2.6	0.1	4.77	17
401431127	2012	10	4	21	V	2.0	0.2	4.8	9
401431127	2012	10	4	22	V	2.2	0.2	4.99	21
401431127	2012	10	4	23	V	2.3	0	3.92	11
401431127	2012	10	4	24	V	1.9	0.1	3.97	6
401431127	2012	10	5	1	V	1.2	0	4.17	5
401431127	2012	10	5	2	V	1.5	0	4.12	4
401431127	2012	10	5	3	V	1.0	0	4.05	9
401431127	2012	10	5	4	V	1.5	0	3.8	3
401431127	2012	10	5	5	V	1.7	0	3.83	6
401431127	2012	10	5	6	V	1.5	0	3.93	13
401431127	2012	10	5	7	V	1.5	0	4.25	9
401431127	2012	10	5	8	V	2.6	0	4.99	14
401431127	2012	10	5	9	V	1.5	0	4.9	15
401431127	2012	10	5	10	V	1.4	0	4.92	14
401431127	2012	10	5	11	V	2.6	0	4.94	19
401431127	2012	10	5	12	V	2.7	0	4.75	12
401431127	2012	10	5	13	V	5.2	0	5.19	12
401431127	2012	10	5	14	V	2.9	0	5.65	10
401431127	2012	10	5	15	V	2.2	0.1	6.45	21
401431127	2012	10	5	16	V	2.8	0	6.65	21
401431127	2012	10	5	17	V	4.2	0	6.28	25
401431127	2012	10	5	18	V	4.0	0.1	6.28	28
401431127	2012	10	5	19	V	2.3	0.2	6.31	31
401431127	2012	10	5	20	V	2.6	0.1	4.41	35
401431127	2012	10	5	21	V	2.0	0.2	5.19	32
401431127	2012	10	5	22	V	2.2	0.2	4.73	32
401431127	2012	10	5	23	V	2.3	0.2	3.46	21
401431127	2012	10	5	24	V	1.9	0	3.12	15
401431127	2012	10	6	1	V	1.2	0	2.67	10
401431127	2012	10	6	2	V	1.5	0	3.25	7
401431127	2012	10	6	3	V	1.0	0	3.24	10
401431127	2012	10	6	4	V	1.5	0	2.35	14
401431127	2012	10	6	5	V	1.7	0	2.56	31
401431127	2012	10	6	6	V	1.5	0	2.3	29
401431127	2012	10	6	7	V	1.5	0	2.23	21
401431127	2012	10	6	8	V	2.7	0	1.81	18
401431127	2012	10	6	9	V	1.5	0	3.39	22
401431127	2012	10	6	10	V	1.4	0.1	4.37	25
401431127	2012	10	6	11	V	2.6	0.9	4.36	25
401431127	2012	10	6	12	V	2.7	2.1	4.85	30
401431127	2012	10	6	13	V	5.2	1.2	4.73	20
401431127	2012	10	6	14	V	2.9	2.5	4.8	31
401431127	2012	10	6	15	V	2.2	0.8	3.86	26
401431127	2012	10	6	16	V	2.8	0.2	5.27	20

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	6	17	V	4.2	0.3	4.6	19
401431127	2012	10	6	18	V	4.1	0.3	3.07	21
401431127	2012	10	6	19	V	2.3	0.2	2.37	9
401431127	2012	10	6	20	V	2.6	0.1	3.35	18
401431127	2012	10	6	21	V	2.0	0.1	2.27	3
401431127	2012	10	6	22	V	2.3	0	1.37	355
401431127	2012	10	6	23	V	2.5	0	0.86	335
401431127	2012	10	6	24	V	1.9	0	1.54	334
401431127	2012	10	7	1	V	1.3	0	1.59	351
401431127	2012	10	7	2	V	1.6	0	1.79	358
401431127	2012	10	7	3	V	1.0	0	1.98	354
401431127	2012	10	7	4	V	1.5	0	1.91	2
401431127	2012	10	7	5	V	1.9	0	0.92	278
401431127	2012	10	7	6	V	1.5	0	1.42	322
401431127	2012	10	7	7	V	1.7	0.1	0.77	294
401431127	2012	10	7	8	V	3.4	0	0.72	273
401431127	2012	10	7	9	V	1.6	0	2.89	18
401431127	2012	10	7	10	V	1.7	0.3	2.54	28
401431127	2012	10	7	11	V	2.9	0.5	2.27	70
401431127	2012	10	7	12	V	2.9	0.3	2.86	66
401431127	2012	10	7	13	V	5.4	0.3	2.42	23
401431127	2012	10	7	14	V	3.4	0.3	2.13	30
401431127	2012	10	7	15	V	3.1	0.2	1.91	37
401431127	2012	10	7	16	V	3.1	0.1	0.62	266
401431127	2012	10	7	17	V	4.3	0.4	1.5	230
401431127	2012	10	7	18	V	8.9	1	2.61	218
401431127	2012	10	7	19	V	7.4	1.4	4.32	211
401431127	2012	10	7	20	V	15.5	2.6	2.95	208
401431127	2012	10	7	21	V	16.6	3.9	1.82	207
401431127	2012	10	7	22	V	3.8	1.6	0.53	225
401431127	2012	10	7	23	V	2.8	1.2	0.53	233
401431127	2012	10	7	24	V	2.5	1	0.69	228
401431127	2012	10	8	1	V	1.7	0.9	0.55	233
401431127	2012	10	8	2	C	-999	0.8	0	0
401431127	2012	10	8	3	V	1.2	0.8	0.74	248
401431127	2012	10	8	4	V	2.3	0.7	0.55	229
401431127	2012	10	8	5	V	2.3	0.8	0.96	224
401431127	2012	10	8	6	V	1.8	1.1	0.58	286
401431127	2012	10	8	7	V	1.8	1.7	0.57	249
401431127	2012	10	8	8	V	8.3	2.1	1.26	203
401431127	2012	10	8	9	V	1.9	4.9	1.35	164
401431127	2012	10	8	10	V	1.5	5.7	4	187
401431127	2012	10	8	11	V	2.7	5.9	3.98	187
401431127	2012	10	8	12	V	2.7	3.3	4.14	181
401431127	2012	10	8	13	V	5.4	2.3	4.1	191
401431127	2012	10	8	14	V	2.9	1.1	4.85	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	8	15	V	2.3	1	5.27	191
401431127	2012	10	8	16	V	3.0	0.9	5	193
401431127	2012	10	8	17	V	4.4	0.9	5.31	197
401431127	2012	10	8	18	V	4.2	0.7	3.68	188
401431127	2012	10	8	19	V	2.3	0.8	2.03	185
401431127	2012	10	8	20	V	2.6	0.8	2.42	181
401431127	2012	10	8	21	V	8.1	1	1.14	202
401431127	2012	10	8	22	V	4.3	1	0.67	222
401431127	2012	10	8	23	V	9.5	0.7	0.79	213
401431127	2012	10	8	24	V	2.2	0.7	0.67	181
401431127	2012	10	9	1	V	5.7	0.6	0.57	216
401431127	2012	10	9	2	V	1.7	0.7	1.11	190
401431127	2012	10	9	3	V	2.1	0.7	1.08	196
401431127	2012	10	9	4	V	1.6	0.7	1.47	181
401431127	2012	10	9	5	V	1.8	0.7	1.99	165
401431127	2012	10	9	6	V	1.5	0.6	2.06	160
401431127	2012	10	9	7	V	1.5	0.6	2.96	163
401431127	2012	10	9	8	V	2.7	0.9	4.22	169
401431127	2012	10	9	9	V	1.5	1.2	5.43	177
401431127	2012	10	9	10	V	1.4	1.5	6.77	176
401431127	2012	10	9	11	V	2.6	1.8	7.03	186
401431127	2012	10	9	12	V	2.7	1.6	6.28	180
401431127	2012	10	9	13	V	5.2	1.3	5.97	188
401431127	2012	10	9	14	V	2.9	1	3.71	184
401431127	2012	10	9	15	V	2.3	1	2.13	144
401431127	2012	10	9	16	V	2.9	0.8	2.03	152
401431127	2012	10	9	17	V	4.3	0.7	2.23	137
401431127	2012	10	9	18	V	4.1	0.6	1.91	127
401431127	2012	10	9	19	V	2.6	0.7	1.03	59
401431127	2012	10	9	20	V	2.6	0.7	1.54	18
401431127	2012	10	9	21	V	2.3	0.6	0.58	311
401431127	2012	10	9	22	V	2.3	0.6	1.11	347
401431127	2012	10	9	23	V	2.4	0.4	1.47	8
401431127	2012	10	9	24	V	1.9	0.3	3.91	7
401431127	2012	10	10	1	V	1.2	0.3	4.8	15
401431127	2012	10	10	2	V	1.5	0.3	4.83	15
401431127	2012	10	10	3	V	1.0	0.3	4.82	18
401431127	2012	10	10	4	V	1.5	0.3	3.47	11
401431127	2012	10	10	5	V	1.7	0.1	3.1	13
401431127	2012	10	10	6	V	1.5	0.2	1.99	358
401431127	2012	10	10	7	V	1.5	0.7	2.11	16
401431127	2012	10	10	8	V	2.8	0.6	2.35	23
401431127	2012	10	10	9	V	5.5	0.5	2.91	42
401431127	2012	10	10	10	V	1.7	0.4	3.85	62
401431127	2012	10	10	11	V	2.7	0.3	4.36	67
401431127	2012	10	10	12	V	5.4	0.2	4.39	51

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	10	13	V	7.4	0.2	5.21	44
401431127	2012	10	10	14	V	3.8	0.2	4.7	55
401431127	2012	10	10	15	V	2.2	0.2	4.07	78
401431127	2012	10	10	16	V	2.8	0.2	3.76	84
401431127	2012	10	10	17	V	4.2	0.2	2.93	97
401431127	2012	10	10	18	V	4.1	0.3	3.01	94
401431127	2012	10	10	19	V	2.3	0.4	2.16	91
401431127	2012	10	10	20	V	2.6	0.6	1.67	87
401431127	2012	10	10	21	V	2.1	0.4	1.98	102
401431127	2012	10	10	22	V	2.3	0.4	1.84	111
401431127	2012	10	10	23	V	2.4	0.4	1.67	128
401431127	2012	10	10	24	V	2.0	-999	1.64	165
401431127	2012	10	11	1	V	1.3	-999	1.72	170
401431127	2012	10	11	2	V	1.5	-999	2.57	172
401431127	2012	10	11	3	V	1.0	-999	2.86	169
401431127	2012	10	11	4	V	1.5	-999	3.13	168
401431127	2012	10	11	5	V	1.7	-999	2.57	170
401431127	2012	10	11	6	V	1.5	-999	2.13	164
401431127	2012	10	11	7	V	1.5	-999	2.44	163
401431127	2012	10	11	8	V	2.7	-999	3.08	167
401431127	2012	10	11	9	V	1.5	-999	4.09	174
401431127	2012	10	11	10	V	1.5	-999	4.27	178
401431127	2012	10	11	11	V	2.7	-999	4.7	184
401431127	2012	10	11	12	V	2.7	-999	5.36	191
401431127	2012	10	11	13	V	5.3	-999	4.95	192
401431127	2012	10	11	14	V	2.9	-999	6.21	187
401431127	2012	10	11	15	V	2.4	0.9	6.52	197
401431127	2012	10	11	16	V	3.0	1.1	5.17	196
401431127	2012	10	11	17	V	6.8	1.7	3.83	206
401431127	2012	10	11	18	V	16.2	2.1	2.27	208
401431127	2012	10	11	19	V	13.3	2.3	0.84	211
401431127	2012	10	11	20	V	2.9	1.7	0.72	188
401431127	2012	10	11	21	V	9.4	1.5	0.75	206
401431127	2012	10	11	22	V	2.6	1.3	0.52	178
401431127	2012	10	11	23	V	2.6	1.2	0.55	269
401431127	2012	10	11	24	C	-999	1.1	0	0
401431127	2012	10	12	1	V	1.3	1.1	1.25	146
401431127	2012	10	12	2	V	1.7	1.1	0.94	172
401431127	2012	10	12	3	V	1.0	1	1.69	166
401431127	2012	10	12	4	V	1.7	1	0.91	151
401431127	2012	10	12	5	V	1.8	1	1.21	183
401431127	2012	10	12	6	V	7.7	1	2.81	202
401431127	2012	10	12	7	V	3.5	1	3.47	196
401431127	2012	10	12	8	V	3.8	1.2	3.69	200
401431127	2012	10	12	9	V	1.6	1.2	2.03	254
401431127	2012	10	12	10	V	1.7	1.1	2.81	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	12	11	V	4.1	1	4.85	54
401431127	2012	10	12	12	V	2.7	0.9	5.41	102
401431127	2012	10	12	13	V	5.2	0.9	6.57	123
401431127	2012	10	12	14	V	2.9	1	5.6	135
401431127	2012	10	12	15	V	2.2	1.2	5.84	135
401431127	2012	10	12	16	V	2.8	1.9	6.07	159
401431127	2012	10	12	17	V	4.2	1.2	5.14	158
401431127	2012	10	12	18	V	4.0	1	4.65	162
401431127	2012	10	12	19	V	2.2	0.9	3.22	152
401431127	2012	10	12	20	V	2.6	0.9	2.3	163
401431127	2012	10	12	21	V	2.1	0.9	1.93	157
401431127	2012	10	12	22	V	2.3	0.9	1.71	182
401431127	2012	10	12	23	V	2.3	0.9	3.07	170
401431127	2012	10	12	24	V	1.9	0.9	4.32	170
401431127	2012	10	13	1	V	1.2	0.9	4.26	169
401431127	2012	10	13	2	V	1.5	1	3.15	170
401431127	2012	10	13	3	V	1.0	1	3.15	167
401431127	2012	10	13	4	V	1.5	1	3.47	171
401431127	2012	10	13	5	V	1.7	1.1	3.97	169
401431127	2012	10	13	6	V	1.5	1.2	4.68	168
401431127	2012	10	13	7	V	1.5	1.2	4.88	171
401431127	2012	10	13	8	V	2.6	1.2	5.16	172
401431127	2012	10	13	9	V	1.5	1.2	5.26	173
401431127	2012	10	13	10	V	1.4	1.2	7.35	182
401431127	2012	10	13	11	V	2.6	1.1	7.23	183
401431127	2012	10	13	12	V	2.7	1	7.13	182
401431127	2012	10	13	13	V	5.3	1	6.07	189
401431127	2012	10	13	14	V	2.9	1	6.3	191
401431127	2012	10	13	15	V	2.2	1	4.61	177
401431127	2012	10	13	16	V	2.9	1	4.7	166
401431127	2012	10	13	17	V	4.2	1	6.19	178
401431127	2012	10	13	18	V	5.6	1	3.35	225
401431127	2012	10	13	19	V	2.3	0.9	2.35	276
401431127	2012	10	13	20	V	2.6	0.9	2.47	158
401431127	2012	10	13	21	V	2.0	0.9	3.1	178
401431127	2012	10	13	22	V	3.8	1	3.8	196
401431127	2012	10	13	23	V	8.2	1	4.05	202
401431127	2012	10	13	24	V	4.5	1.1	2.88	199
401431127	2012	10	14	1	V	10.8	1.1	2.73	213
401431127	2012	10	14	2	V	1.6	1.1	3.03	235
401431127	2012	10	14	3	V	1.2	1	2.57	227
401431127	2012	10	14	4	V	1.6	1	2.91	232
401431127	2012	10	14	5	V	1.8	0.9	2.89	238
401431127	2012	10	14	6	V	1.5	0.9	3	242
401431127	2012	10	14	7	V	1.5	0.9	2.32	253
401431127	2012	10	14	8	V	2.7	1	2.23	272

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	14	9	V	1.6	1	2.32	284
401431127	2012	10	14	10	V	1.5	0.9	3	296
401431127	2012	10	14	11	V	2.7	0.9	3.13	320
401431127	2012	10	14	12	V	2.7	1	3.85	324
401431127	2012	10	14	13	V	5.3	1.1	3.9	330
401431127	2012	10	14	14	V	2.9	1	3.56	331
401431127	2012	10	14	15	V	2.2	1.1	3.52	336
401431127	2012	10	14	16	V	2.9	1	3.73	338
401431127	2012	10	14	17	V	4.2	1.1	3.18	340
401431127	2012	10	14	18	V	4.1	1.1	1.72	330
401431127	2012	10	14	19	V	2.3	1	1.08	302
401431127	2012	10	14	20	V	2.8	1.1	0.6	278
401431127	2012	10	14	21	C	-999	1.1	0	0
401431127	2012	10	14	22	V	2.5	1.3	0.58	264
401431127	2012	10	14	23	C	-999	1.4	0	0
401431127	2012	10	14	24	V	6.1	1.2	0.72	201
401431127	2012	10	15	1	V	2.2	0.9	0.99	195
401431127	2012	10	15	2	V	8.0	0.9	0.72	205
401431127	2012	10	15	3	C	-999	1	0	0
401431127	2012	10	15	4	V	1.8	1.1	0.53	171
401431127	2012	10	15	5	C	-999	1	0	0
401431127	2012	10	15	6	V	7.3	1	0.58	207
401431127	2012	10	15	7	C	-999	1.2	0	0
401431127	2012	10	15	8	C	-999	1.3	0	0
401431127	2012	10	15	9	V	2.8	1.2	1.94	225
401431127	2012	10	15	10	V	2.2	1	2.27	227
401431127	2012	10	15	11	V	2.7	1	3.49	235
401431127	2012	10	15	12	V	2.7	1	3.91	232
401431127	2012	10	15	13	V	5.4	1	3.95	228
401431127	2012	10	15	14	V	3.0	1	3.57	232
401431127	2012	10	15	15	V	2.4	1.2	3.27	226
401431127	2012	10	15	16	V	2.9	1.2	2.81	236
401431127	2012	10	15	17	V	4.5	1.2	3.13	221
401431127	2012	10	15	18	V	7.5	1.6	3.61	199
401431127	2012	10	15	19	V	3.8	1.5	2.69	198
401431127	2012	10	15	20	V	4.0	1.2	2.91	197
401431127	2012	10	15	21	V	6.8	1.2	3	201
401431127	2012	10	15	22	V	4.9	1.6	2.55	200
401431127	2012	10	15	23	V	2.7	7	1.72	195
401431127	2012	10	15	24	V	5.5	5.9	2.95	200
401431127	2012	10	16	1	V	4.1	8.7	2.21	200
401431127	2012	10	16	2	V	2.6	9.9	3.42	195
401431127	2012	10	16	3	V	1.1	3.7	3.44	188
401431127	2012	10	16	4	V	1.7	7.5	3.54	190
401431127	2012	10	16	5	V	1.8	10	2.95	187
401431127	2012	10	16	6	V	1.7	8.1	1.79	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	16	7	V	1.5	2.4	2.67	188
401431127	2012	10	16	8	V	3.7	2.1	1.84	193
401431127	2012	10	16	9	V	1.6	2	4.05	189
401431127	2012	10	16	10	V	1.7	2	6.28	197
401431127	2012	10	16	11	V	2.7	2	7.79	194
401431127	2012	10	16	12	V	2.7	3.3	8.73	190
401431127	2012	10	16	13	V	5.3	3.1	8.11	190
401431127	2012	10	16	14	V	2.9	2.5	8.16	184
401431127	2012	10	16	15	V	2.2	2.3	8.08	180
401431127	2012	10	16	16	V	2.8	2.5	7.72	186
401431127	2012	10	16	17	V	4.2	1.8	7.4	180
401431127	2012	10	16	18	V	4.1	1.7	5.79	186
401431127	2012	10	16	19	V	2.3	1.9	4.51	187
401431127	2012	10	16	20	V	2.6	1.7	3.46	168
401431127	2012	10	16	21	V	2.0	1.9	3.95	170
401431127	2012	10	16	22	V	2.2	2	3.92	171
401431127	2012	10	16	23	V	2.3	1.8	4.53	170
401431127	2012	10	16	24	V	1.9	1.9	5.22	171
401431127	2012	10	17	1	V	1.2	1.8	4.73	174
401431127	2012	10	17	2	V	1.5	1.5	4.05	175
401431127	2012	10	17	3	V	1.0	1.3	3.59	172
401431127	2012	10	17	4	V	1.5	1.2	4	178
401431127	2012	10	17	5	V	1.8	1.1	5.67	184
401431127	2012	10	17	6	V	1.5	1.1	6.11	180
401431127	2012	10	17	7	V	1.5	1.1	5.46	180
401431127	2012	10	17	8	V	2.6	1.1	5.38	186
401431127	2012	10	17	9	V	1.5	1.1	5.67	190
401431127	2012	10	17	10	V	2.1	1.5	3.76	219
401431127	2012	10	17	11	V	2.7	1.5	3.56	260
401431127	2012	10	17	12	V	2.7	1.3	3.73	345
401431127	2012	10	17	13	V	5.3	1.2	3.46	6
401431127	2012	10	17	14	V	2.9	1.1	5.21	355
401431127	2012	10	17	15	V	2.2	1.1	5.44	329
401431127	2012	10	17	16	V	2.8	1	4.7	329
401431127	2012	10	17	17	V	4.2	1	3.8	322
401431127	2012	10	17	18	V	4.0	1	2.32	316
401431127	2012	10	17	19	V	2.3	1	1.2	320
401431127	2012	10	17	20	V	2.6	1	1.5	315
401431127	2012	10	17	21	V	2.1	1	1.76	327
401431127	2012	10	17	22	V	2.3	1	1.5	321
401431127	2012	10	17	23	V	2.5	1	0.96	286
401431127	2012	10	17	24	V	2.0	0.9	1.06	271
401431127	2012	10	18	1	V	1.3	0.9	1.35	282
401431127	2012	10	18	2	V	1.6	0.9	1.38	290
401431127	2012	10	18	3	V	1.0	1	1.31	261
401431127	2012	10	18	4	V	1.5	1.1	1.5	256

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	18	5	V	1.8	1.4	1.48	260
401431127	2012	10	18	6	V	1.5	1.8	1.62	250
401431127	2012	10	18	7	V	1.5	2	1.62	246
401431127	2012	10	18	8	V	2.7	1.4	2.49	283
401431127	2012	10	18	9	V	1.5	1.3	3.93	298
401431127	2012	10	18	10	V	1.4	1.1	4.73	306
401431127	2012	10	18	11	V	2.6	0.9	4.54	301
401431127	2012	10	18	12	V	2.7	0.9	5.14	295
401431127	2012	10	18	13	V	5.2	1	5.87	297
401431127	2012	10	18	14	V	2.9	1	6.16	292
401431127	2012	10	18	15	V	2.2	1	5.92	290
401431127	2012	10	18	16	V	2.8	1	5.6	284
401431127	2012	10	18	17	V	4.2	0.9	5.29	286
401431127	2012	10	18	18	V	4.1	0.9	3.73	296
401431127	2012	10	18	19	V	2.3	0.8	2.84	292
401431127	2012	10	18	20	V	2.6	0.8	2.47	300
401431127	2012	10	18	21	V	2.1	0.8	2.2	300
401431127	2012	10	18	22	V	2.3	0.8	2.88	290
401431127	2012	10	18	23	V	2.4	0.9	2.42	265
401431127	2012	10	18	24	V	1.9	0.9	2.45	258
401431127	2012	10	19	1	V	1.3	0.9	2.67	255
401431127	2012	10	19	2	V	1.6	0.9	2.45	258
401431127	2012	10	19	3	V	1.0	1	2.3	256
401431127	2012	10	19	4	V	1.5	1.1	2.16	258
401431127	2012	10	19	5	V	1.8	1	2.11	269
401431127	2012	10	19	6	V	1.5	1.1	2.06	266
401431127	2012	10	19	7	V	1.5	1.1	2.2	262
401431127	2012	10	19	8	V	2.7	1.1	2.83	270
401431127	2012	10	19	9	V	1.5	1.2	4.34	297
401431127	2012	10	19	10	V	1.4	1.1	4.53	304
401431127	2012	10	19	11	V	2.7	0.9	4.02	293
401431127	2012	10	19	12	V	2.7	0.9	3.95	302
401431127	2012	10	19	13	V	5.3	0.9	4.27	296
401431127	2012	10	19	14	V	2.9	0.9	3.88	291
401431127	2012	10	19	15	V	2.2	0.9	3.49	290
401431127	2012	10	19	16	V	2.9	1	3.18	307
401431127	2012	10	19	17	V	4.2	1	2.38	313
401431127	2012	10	19	18	V	4.1	0.9	0.99	304
401431127	2012	10	19	19	V	2.4	1	0.7	283
401431127	2012	10	19	20	V	2.7	1.6	0.8	251
401431127	2012	10	19	21	V	2.2	2.4	0.86	240
401431127	2012	10	19	22	V	2.5	2.5	0.62	262
401431127	2012	10	19	23	C	-999	2.1	0	0
401431127	2012	10	19	24	C	-999	1.9	0	0
401431127	2012	10	20	1	V	4.0	2.2	0.53	220
401431127	2012	10	20	2	C	-999	2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	20	3	V	1.2	2	0.65	248
401431127	2012	10	20	4	V	1.8	2.1	0.63	293
401431127	2012	10	20	5	V	2.0	2.1	0.6	296
401431127	2012	10	20	6	C	-999	1.8	0	0
401431127	2012	10	20	7	V	4.9	2.3	0.7	219
401431127	2012	10	20	8	V	7.7	2.2	1.06	217
401431127	2012	10	20	9	V	1.6	2.4	2.39	166
401431127	2012	10	20	10	V	1.5	1.4	3.39	179
401431127	2012	10	20	11	V	2.7	1.4	4.48	182
401431127	2012	10	20	12	V	2.7	1.5	3.98	181
401431127	2012	10	20	13	V	5.3	1.7	4.12	187
401431127	2012	10	20	14	V	2.9	2.1	4.12	177
401431127	2012	10	20	15	V	2.2	2	4.61	160
401431127	2012	10	20	16	V	2.8	1.9	5.62	170
401431127	2012	10	20	17	V	4.2	2	5.48	174
401431127	2012	10	20	18	V	4.0	2	4.02	172
401431127	2012	10	20	19	V	2.2	1.7	2.96	166
401431127	2012	10	20	20	V	2.6	1.6	3.07	169
401431127	2012	10	20	21	V	2.0	1.4	2.44	166
401431127	2012	10	20	22	V	2.3	1.3	1.79	155
401431127	2012	10	20	23	V	2.4	1.3	1.82	148
401431127	2012	10	20	24	V	2.0	1.3	1.59	154
401431127	2012	10	21	1	V	1.3	1.3	1.99	150
401431127	2012	10	21	2	V	1.5	1.4	2.44	155
401431127	2012	10	21	3	V	1.0	1.4	2.32	161
401431127	2012	10	21	4	V	1.5	1.3	2.73	169
401431127	2012	10	21	5	V	1.7	1.2	3.07	172
401431127	2012	10	21	6	V	1.5	1.1	3.29	172
401431127	2012	10	21	7	V	1.5	1	3.27	168
401431127	2012	10	21	8	V	2.7	1	3.75	165
401431127	2012	10	21	9	V	1.5	1	5.12	171
401431127	2012	10	21	10	V	1.4	1	6.16	179
401431127	2012	10	21	11	V	2.6	0.9	6.89	184
401431127	2012	10	21	12	V	2.7	0.9	7.47	184
401431127	2012	10	21	13	V	5.2	1	7.54	184
401431127	2012	10	21	14	V	2.9	0.9	8.28	181
401431127	2012	10	21	15	V	2.2	0.9	7.82	181
401431127	2012	10	21	16	V	2.8	1	7.64	176
401431127	2012	10	21	17	V	4.2	0.9	7.72	179
401431127	2012	10	21	18	V	4.0	0.9	6.35	176
401431127	2012	10	21	19	V	2.2	1	5.26	173
401431127	2012	10	21	20	V	2.6	1	4.68	170
401431127	2012	10	21	21	V	2.0	0.9	4.99	168
401431127	2012	10	21	22	V	2.2	0.9	6.26	173
401431127	2012	10	21	23	V	2.3	1	6.14	173
401431127	2012	10	21	24	V	1.9	1	5.46	171

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	22	1	V	1.2	1	5.29	173
401431127	2012	10	22	2	V	1.5	1	5.51	178
401431127	2012	10	22	3	V	1.0	1	5.79	184
401431127	2012	10	22	4	V	1.5	1	5.82	183
401431127	2012	10	22	5	V	1.8	1	6.12	185
401431127	2012	10	22	6	V	1.6	1	5.85	187
401431127	2012	10	22	7	V	1.5	1	5.48	182
401431127	2012	10	22	8	V	2.6	1	5.45	180
401431127	2012	10	22	9	V	1.5	1	6.3	183
401431127	2012	10	22	10	V	1.4	1	6.69	186
401431127	2012	10	22	11	V	2.8	0.9	7.86	196
401431127	2012	10	22	12	V	2.7	1	8.27	193
401431127	2012	10	22	13	V	5.6	1	6.38	199
401431127	2012	10	22	14	V	3.6	1.2	5.48	211
401431127	2012	10	22	15	V	2.5	2	5.26	221
401431127	2012	10	22	16	V	2.8	1.6	4.61	182
401431127	2012	10	22	17	V	4.2	2.2	3.69	184
401431127	2012	10	22	18	V	4.0	1.5	3.29	172
401431127	2012	10	22	19	V	2.5	1.2	1.99	192
401431127	2012	10	22	20	V	2.7	1.1	2.01	191
401431127	2012	10	22	21	V	2.5	1	1.91	196
401431127	2012	10	22	22	V	2.2	1	2.89	181
401431127	2012	10	22	23	V	2.3	0.9	3.29	167
401431127	2012	10	22	24	V	1.9	0.9	3.23	168
401431127	2012	10	23	1	V	1.2	0.9	3.81	169
401431127	2012	10	23	2	V	1.5	1	3.05	169
401431127	2012	10	23	3	V	1.0	1	2.2	165
401431127	2012	10	23	4	V	1.5	1	2.93	166
401431127	2012	10	23	5	V	1.7	1	3.37	174
401431127	2012	10	23	6	V	1.5	1	4.24	182
401431127	2012	10	23	7	V	2.0	1	5.26	191
401431127	2012	10	23	8	V	2.7	1	6.01	190
401431127	2012	10	23	9	V	1.5	1	5.9	187
401431127	2012	10	23	10	V	1.4	1	6.91	189
401431127	2012	10	23	11	V	2.7	0.9	7.69	194
401431127	2012	10	23	12	V	2.7	1	7.99	194
401431127	2012	10	23	13	V	5.3	1	7.67	190
401431127	2012	10	23	14	V	2.9	1	7.99	191
401431127	2012	10	23	15	V	2.2	1	8.01	188
401431127	2012	10	23	16	V	2.8	1	7.91	187
401431127	2012	10	23	17	V	4.2	1	7.23	182
401431127	2012	10	23	18	V	4.0	1	5.9	173
401431127	2012	10	23	19	V	2.2	0.9	4.82	170
401431127	2012	10	23	20	V	2.6	1	4.99	173
401431127	2012	10	23	21	V	2.0	0.9	4.48	176
401431127	2012	10	23	22	V	2.2	1	4.17	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	23	23	V	2.3	0.9	4.42	181
401431127	2012	10	23	24	V	1.9	0.9	4.05	185
401431127	2012	10	24	1	V	1.2	0.9	3.32	181
401431127	2012	10	24	2	V	1.5	0.9	3.06	172
401431127	2012	10	24	3	V	1.0	0.9	3.47	179
401431127	2012	10	24	4	V	1.5	0.9	3.63	174
401431127	2012	10	24	5	V	1.7	1	4.46	174
401431127	2012	10	24	6	V	1.5	1	4.53	175
401431127	2012	10	24	7	V	1.5	1	4.63	172
401431127	2012	10	24	8	V	2.7	1.1	4.56	179
401431127	2012	10	24	9	V	1.5	1.1	6.19	186
401431127	2012	10	24	10	V	1.4	1.1	7.86	188
401431127	2012	10	24	11	V	2.6	1	8.28	187
401431127	2012	10	24	12	V	2.7	1	7.43	191
401431127	2012	10	24	13	V	5.2	1.1	7.13	187
401431127	2012	10	24	14	V	2.9	1	7.37	185
401431127	2012	10	24	15	V	2.2	1.1	7.81	192
401431127	2012	10	24	16	V	2.8	1	7.3	186
401431127	2012	10	24	17	V	4.2	1.1	7.42	183
401431127	2012	10	24	18	V	4.0	1	5.58	171
401431127	2012	10	24	19	V	2.2	1	5.65	172
401431127	2012	10	24	20	V	2.6	1	5.97	171
401431127	2012	10	24	21	V	2.0	1	5.75	169
401431127	2012	10	24	22	V	2.2	1	5.99	166
401431127	2012	10	24	23	V	2.3	1.1	5.7	172
401431127	2012	10	24	24	V	1.9	1.1	4.63	182
401431127	2012	10	25	1	V	1.2	1	4.02	172
401431127	2012	10	25	2	V	1.5	1	4	175
401431127	2012	10	25	3	V	1.0	1.1	4.88	174
401431127	2012	10	25	4	V	1.5	1.1	4.92	175
401431127	2012	10	25	5	V	1.7	1.1	5.46	176
401431127	2012	10	25	6	V	1.5	1.1	6.19	177
401431127	2012	10	25	7	V	4.0	1.1	5.68	198
401431127	2012	10	25	8	V	3.0	1.1	5.82	199
401431127	2012	10	25	9	V	1.9	1.8	5.55	217
401431127	2012	10	25	10	V	1.4	1.3	4.7	313
401431127	2012	10	25	11	V	2.6	1	4.29	323
401431127	2012	10	25	12	V	2.7	0.9	4.36	333
401431127	2012	10	25	13	V	5.2	0.9	5.58	337
401431127	2012	10	25	14	V	2.9	0.9	5.17	340
401431127	2012	10	25	15	V	2.2	0.8	5.8	352
401431127	2012	10	25	16	V	2.8	0.9	5.22	3
401431127	2012	10	25	17	V	4.2	0.8	5.26	11
401431127	2012	10	25	18	V	4.0	0.8	4.73	12
401431127	2012	10	25	19	V	2.2	0.8	5.62	15
401431127	2012	10	25	20	V	2.6	0.8	5.82	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	25	21	V	2.0	0.8	4.8	17
401431127	2012	10	25	22	V	2.2	0.8	4.36	20
401431127	2012	10	25	23	V	2.3	0.8	4.49	20
401431127	2012	10	25	24	V	1.9	0.8	4.71	15
401431127	2012	10	26	1	V	1.2	0.8	4.73	8
401431127	2012	10	26	2	V	1.5	0.8	5.04	11
401431127	2012	10	26	3	V	1.0	0.8	5.05	13
401431127	2012	10	26	4	V	1.5	0.7	5.36	15
401431127	2012	10	26	5	V	1.7	0.8	6.04	11
401431127	2012	10	26	6	V	1.5	0.8	6.47	14
401431127	2012	10	26	7	V	1.5	0.8	6.06	12
401431127	2012	10	26	8	V	2.7	0.9	5.85	10
401431127	2012	10	26	9	V	1.5	0.9	6.87	17
401431127	2012	10	26	10	V	1.4	0.8	6.23	16
401431127	2012	10	26	11	V	2.6	-999	5.9	2
401431127	2012	10	26	12	V	2.7	-999	5.67	2
401431127	2012	10	26	13	V	5.2	0.2	6.01	7
401431127	2012	10	26	14	V	2.9	0.2	6.47	15
401431127	2012	10	26	15	V	2.2	0.2	5.68	11
401431127	2012	10	26	16	V	2.8	0.2	5.62	11
401431127	2012	10	26	17	V	4.2	0.2	4.63	8
401431127	2012	10	26	18	V	4.0	0.2	4.63	8
401431127	2012	10	26	19	V	2.2	0.1	3.56	14
401431127	2012	10	26	20	V	2.6	0.1	3.51	7
401431127	2012	10	26	21	V	2.0	0.1	3.27	9
401431127	2012	10	26	22	V	2.2	0.1	3.08	8
401431127	2012	10	26	23	V	2.3	0.1	2.38	12
401431127	2012	10	26	24	V	1.9	0.1	2.42	11
401431127	2012	10	27	1	V	1.2	0.1	2.44	10
401431127	2012	10	27	2	V	1.5	0.1	2.64	7
401431127	2012	10	27	3	V	1.0	0.1	2.93	20
401431127	2012	10	27	4	V	1.5	0.1	2.25	6
401431127	2012	10	27	5	V	1.8	0.1	1.89	2
401431127	2012	10	27	6	V	1.5	0.1	1.98	9
401431127	2012	10	27	7	V	1.5	0.2	1.96	3
401431127	2012	10	27	8	V	2.7	0.3	2.76	11
401431127	2012	10	27	9	V	1.6	0.3	3.13	15
401431127	2012	10	27	10	V	2.3	0.5	2.93	34
401431127	2012	10	27	11	V	5.1	0.7	2.83	54
401431127	2012	10	27	12	V	5.9	3.9	3.07	46
401431127	2012	10	27	13	V	5.7	1	3.08	31
401431127	2012	10	27	14	V	5.9	0.7	3.63	48
401431127	2012	10	27	15	V	2.3	2.2	2.91	25
401431127	2012	10	27	16	V	2.9	2	2.96	24
401431127	2012	10	27	17	V	4.2	0.6	2.69	14
401431127	2012	10	27	18	V	4.1	0.6	1.5	352

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	27	19	V	2.3	0.4	1.62	351
401431127	2012	10	27	20	V	2.6	0.5	1.3	1
401431127	2012	10	27	21	V	2.1	0.7	1.72	359
401431127	2012	10	27	22	V	2.3	1	1.54	5
401431127	2012	10	27	23	V	2.4	0.8	1.08	5
401431127	2012	10	27	24	V	2.0	0.7	0.92	355
401431127	2012	10	28	1	V	1.3	0.7	1.31	12
401431127	2012	10	28	2	V	1.6	0.5	1.08	3
401431127	2012	10	28	3	V	1.1	0.5	0.82	345
401431127	2012	10	28	4	V	1.7	0.4	0.84	337
401431127	2012	10	28	5	V	1.9	0.4	0.74	284
401431127	2012	10	28	6	C	-999	0.4	0	0
401431127	2012	10	28	7	V	1.7	0.3	0.77	265
401431127	2012	10	28	8	V	2.8	0.7	1.09	348
401431127	2012	10	28	9	V	1.6	0.4	2.89	18
401431127	2012	10	28	10	V	2.8	0.3	2.23	32
401431127	2012	10	28	11	V	6.2	0.4	3.85	51
401431127	2012	10	28	12	V	4.3	2.5	3.49	56
401431127	2012	10	28	13	V	7.5	5.4	2.11	49
401431127	2012	10	28	14	V	4.0	7.1	1.77	59
401431127	2012	10	28	15	V	2.4	1.8	1.87	128
401431127	2012	10	28	16	V	3.3	0.6	1.3	69
401431127	2012	10	28	17	V	7.2	0.5	1.55	47
401431127	2012	10	28	18	V	4.2	0.4	1.06	31
401431127	2012	10	28	19	V	2.6	0.9	0.57	27
401431127	2012	10	28	20	V	2.8	0.6	0.63	289
401431127	2012	10	28	21	V	2.2	1	0.86	293
401431127	2012	10	28	22	V	2.4	0.7	0.77	243
401431127	2012	10	28	23	V	2.6	0.9	0.67	289
401431127	2012	10	28	24	C	-999	0.8	0	0
401431127	2012	10	29	1	C	-999	1.2	0	0
401431127	2012	10	29	2	V	1.9	1.4	0.52	258
401431127	2012	10	29	3	V	2.0	1	0.55	227
401431127	2012	10	29	4	V	7.6	0.8	0.63	212
401431127	2012	10	29	5	V	2.0	1.1	0.55	259
401431127	2012	10	29	6	V	1.6	1.6	0.79	287
401431127	2012	10	29	7	C	-999	1.8	0	0
401431127	2012	10	29	8	V	5.1	3.2	0.65	221
401431127	2012	10	29	9	V	2.5	1.3	0.82	175
401431127	2012	10	29	10	V	1.7	1.7	1.79	129
401431127	2012	10	29	11	V	2.7	1.8	2.9	158
401431127	2012	10	29	12	V	2.7	1.8	3.25	155
401431127	2012	10	29	13	V	5.3	1	3.08	171
401431127	2012	10	29	14	V	3.1	0.6	2.54	185
401431127	2012	10	29	15	V	2.5	0.5	2.91	191
401431127	2012	10	29	16	V	2.9	0.5	2.84	179

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	29	17	V	4.2	0.5	3.12	187
401431127	2012	10	29	18	V	4.0	0.4	2.32	151
401431127	2012	10	29	19	V	2.3	0.4	1.42	149
401431127	2012	10	29	20	C	-999	0.8	0	0
401431127	2012	10	29	21	C	-999	1.3	0	0
401431127	2012	10	29	22	V	2.4	1.6	0.86	230
401431127	2012	10	29	23	C	-999	1	0	0
401431127	2012	10	29	24	C	-999	0.4	0	0
401431127	2012	10	30	1	V	1.4	0.5	0.7	244
401431127	2012	10	30	2	V	1.8	0.6	0.6	274
401431127	2012	10	30	3	V	1.2	0.6	0.62	286
401431127	2012	10	30	4	C	-999	0.6	0	0
401431127	2012	10	30	5	V	2.0	0.8	0.57	280
401431127	2012	10	30	6	C	-999	1.4	0	0
401431127	2012	10	30	7	C	-999	1.9	0	0
401431127	2012	10	30	8	V	2.8	3	0.97	179
401431127	2012	10	30	9	V	1.8	2.8	1.81	178
401431127	2012	10	30	10	V	1.6	5.8	2.27	178
401431127	2012	10	30	11	V	3.5	5.8	3	194
401431127	2012	10	30	12	V	5.4	3.6	3.39	207
401431127	2012	10	30	13	V	7.2	1.7	3.42	203
401431127	2012	10	30	14	V	3.6	2	4.49	199
401431127	2012	10	30	15	V	2.5	1.4	4.48	195
401431127	2012	10	30	16	V	4.3	1.5	3.42	211
401431127	2012	10	30	17	V	4.8	1.3	2.33	197
401431127	2012	10	30	18	V	8.7	1.1	0.86	200
401431127	2012	10	30	19	C	-999	1.7	0	0
401431127	2012	10	30	20	C	-999	2	0	0
401431127	2012	10	30	21	V	5.8	1.5	0.77	200
401431127	2012	10	30	22	V	2.3	1	1.14	1
401431127	2012	10	30	23	V	2.4	0.4	1.88	9
401431127	2012	10	30	24	V	1.9	0.4	1.91	1
401431127	2012	10	31	1	V	1.2	0.4	2.62	1
401431127	2012	10	31	2	V	1.5	0.4	2.93	357
401431127	2012	10	31	3	V	1.0	0.4	3.47	9
401431127	2012	10	31	4	V	1.5	0.4	2.71	1
401431127	2012	10	31	5	V	1.7	0.3	2.61	9
401431127	2012	10	31	6	V	1.5	0.3	2.1	5
401431127	2012	10	31	7	V	1.5	0.3	1.84	2
401431127	2012	10	31	8	V	2.7	0.5	4.15	14
401431127	2012	10	31	9	V	1.5	0.5	3.98	21
401431127	2012	10	31	10	V	1.5	0.6	3.12	21
401431127	2012	10	31	11	V	3.7	0.7	2.88	33
401431127	2012	10	31	12	V	7.2	1	2.55	50
401431127	2012	10	31	13	V	5.4	3.9	2.08	10
401431127	2012	10	31	14	V	3.6	3.5	2.08	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	10	31	15	V	2.4	0.6	2.33	24
401431127	2012	10	31	16	V	3.0	0.6	1.71	18
401431127	2012	10	31	17	V	4.4	0.6	1.37	30
401431127	2012	10	31	18	V	4.2	0.8	0.75	349
401431127	2012	10	31	19	V	2.4	1.5	0.7	325
401431127	2012	10	31	20	V	2.8	1.2	0.72	267
401431127	2012	10	31	21	V	2.3	1.3	0.57	259
401431127	2012	10	31	22	C	-999	1.3	0	0
401431127	2012	10	31	23	C	-999	1.4	0	0
401431127	2012	10	31	24	V	2.2	1.3	0.53	245
401431127	2012	11	1	1	C	-999	1.6	0	0
401431127	2012	11	1	2	V	1.9	2.2	0.51	5
401431127	2012	11	1	3	V	1.3	1.3	0.6	283
401431127	2012	11	1	4	V	1.8	1.2	0.55	248
401431127	2012	11	1	5	V	2.1	1.3	0.72	34
401431127	2012	11	1	6	C	-999	1.4	0	0
401431127	2012	11	1	7	V	1.8	1.7	0.55	260
401431127	2012	11	1	8	C	-999	3.7	0	0
401431127	2012	11	1	9	V	3.0	4	0.57	154
401431127	2012	11	1	10	V	1.8	3.3	1.77	150
401431127	2012	11	1	11	V	2.8	1.1	2.4	157
401431127	2012	11	1	12	V	2.8	1.5	2.84	179
401431127	2012	11	1	13	V	5.5	1.5	2.78	186
401431127	2012	11	1	14	V	3.1	1.8	1.98	162
401431127	2012	11	1	15	V	2.4	1.7	1.81	100
401431127	2012	11	1	16	V	2.9	1.3	2.01	83
401431127	2012	11	1	17	V	4.3	1.2	1.5	70
401431127	2012	11	1	18	V	4.3	1	0.52	351
401431127	2012	11	1	19	C	-999	0.8	0	0
401431127	2012	11	1	20	V	2.9	1.5	0.52	308
401431127	2012	11	1	21	C	-999	1.4	0	0
401431127	2012	11	1	22	V	2.4	1.8	0.72	264
401431127	2012	11	1	23	V	2.6	2.2	0.63	309
401431127	2012	11	1	24	V	2.1	1.6	0.79	283
401431127	2012	11	2	1	V	1.4	1.6	0.79	264
401431127	2012	11	2	2	C	-999	1.6	0	0
401431127	2012	11	2	3	V	1.2	1.3	0.65	279
401431127	2012	11	2	4	C	-999	1.4	0	0
401431127	2012	11	2	5	V	2.0	1.3	0.6	283
401431127	2012	11	2	6	C	-999	1.6	0	0
401431127	2012	11	2	7	V	1.8	2.2	0.63	283
401431127	2012	11	2	8	V	2.9	3.4	0.6	278
401431127	2012	11	2	9	C	-999	3.2	0	0
401431127	2012	11	2	10	V	1.6	0.9	2.83	184
401431127	2012	11	2	11	V	3.0	1.6	3.69	191
401431127	2012	11	2	12	V	3.5	1.8	4.15	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	2	13	V	5.7	0.9	5.63	214
401431127	2012	11	2	14	V	3.4	1	6.48	211
401431127	2012	11	2	15	V	2.8	1.3	7.16	208
401431127	2012	11	2	16	V	3.2	1.9	7.06	200
401431127	2012	11	2	17	V	4.8	2.7	6.48	203
401431127	2012	11	2	18	V	5.1	2.4	4.32	194
401431127	2012	11	2	19	V	9.7	2.1	1.79	216
401431127	2012	11	2	20	V	6.2	2.2	1.52	200
401431127	2012	11	2	21	V	14.8	1	1.16	207
401431127	2012	11	2	22	V	2.8	1.9	1.69	196
401431127	2012	11	2	23	V	5.1	1.6	2.88	221
401431127	2012	11	2	24	V	1.9	1	2.27	230
401431127	2012	11	3	1	V	1.3	0.6	1.64	273
401431127	2012	11	3	2	V	1.5	0.5	2.35	323
401431127	2012	11	3	3	V	1.0	0.4	2.16	337
401431127	2012	11	3	4	V	1.5	0.4	2.2	338
401431127	2012	11	3	5	V	1.7	0.4	2.76	349
401431127	2012	11	3	6	V	1.5	0.6	2.3	350
401431127	2012	11	3	7	V	1.5	0.5	1.62	328
401431127	2012	11	3	8	V	2.7	0.4	2.23	341
401431127	2012	11	3	9	V	1.5	0.6	4.2	4
401431127	2012	11	3	10	V	1.4	0.6	4.34	10
401431127	2012	11	3	11	V	2.7	0.6	4.19	15
401431127	2012	11	3	12	V	2.7	0.5	3.74	13
401431127	2012	11	3	13	V	5.3	0.6	3.98	15
401431127	2012	11	3	14	V	2.9	0.7	4.22	16
401431127	2012	11	3	15	V	2.2	0.8	3.74	6
401431127	2012	11	3	16	V	2.9	1	3.68	12
401431127	2012	11	3	17	V	4.2	0.9	4.03	23
401431127	2012	11	3	18	V	4.1	0.8	1.84	8
401431127	2012	11	3	19	V	2.3	0.7	0.91	354
401431127	2012	11	3	20	V	2.7	0.7	0.97	356
401431127	2012	11	3	21	V	2.1	0.7	1.77	360
401431127	2012	11	3	22	V	2.3	0.6	1.54	3
401431127	2012	11	3	23	V	2.3	0.3	2.35	9
401431127	2012	11	3	24	V	1.9	0.3	1.72	20
401431127	2012	11	4	1	V	1.3	0.2	1.04	14
401431127	2012	11	4	2	V	1.7	0.4	0.84	18
401431127	2012	11	4	3	V	1.1	0.2	1.18	6
401431127	2012	11	4	4	V	1.6	0.2	1.16	12
401431127	2012	11	4	5	V	1.8	0.2	1.28	8
401431127	2012	11	4	6	V	1.5	0.2	1.5	13
401431127	2012	11	4	7	V	1.6	0.2	1.01	340
401431127	2012	11	4	8	V	2.7	0.6	1.89	7
401431127	2012	11	4	9	V	3.0	4.9	2.21	33
401431127	2012	11	4	10	V	3.1	1.1	1.62	59

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	4	11	V	3.3	2	1.06	99
401431127	2012	11	4	12	V	4.4	2.9	1.35	202
401431127	2012	11	4	13	V	5.5	2.5	1.89	139
401431127	2012	11	4	14	V	3.0	2.4	2.16	107
401431127	2012	11	4	15	V	2.4	1.6	1.64	132
401431127	2012	11	4	16	V	3.0	1.6	1.48	135
401431127	2012	11	4	17	V	4.3	1	1.98	135
401431127	2012	11	4	18	V	4.2	0.7	1.03	157
401431127	2012	11	4	19	V	2.5	0.7	0.55	312
401431127	2012	11	4	20	C	-999	1	0	0
401431127	2012	11	4	21	V	2.2	1.1	0.72	288
401431127	2012	11	4	22	C	-999	1	0	0
401431127	2012	11	4	23	V	4.9	1.7	0.67	221
401431127	2012	11	4	24	V	2.2	1.2	0.58	262
401431127	2012	11	5	1	V	1.4	0.9	0.86	229
401431127	2012	11	5	2	V	1.9	0.6	0.52	266
401431127	2012	11	5	3	C	-999	0.7	0	0
401431127	2012	11	5	4	C	-999	0.6	0	0
401431127	2012	11	5	5	V	1.8	0.6	1.2	262
401431127	2012	11	5	6	V	1.5	0.5	1.2	239
401431127	2012	11	5	7	V	1.7	0.5	0.65	283
401431127	2012	11	5	8	V	2.7	0.5	1.67	337
401431127	2012	11	5	9	V	1.6	0.4	3.12	340
401431127	2012	11	5	10	V	1.5	0.3	3.68	345
401431127	2012	11	5	11	V	2.7	0.2	4.34	337
401431127	2012	11	5	12	V	2.7	0.2	4.99	325
401431127	2012	11	5	13	V	5.2	0.2	5.44	341
401431127	2012	11	5	14	V	2.9	0.2	4.83	344
401431127	2012	11	5	15	V	2.2	0.2	4.77	332
401431127	2012	11	5	16	V	2.8	0.2	4.95	340
401431127	2012	11	5	17	V	4.2	0.2	5	344
401431127	2012	11	5	18	V	4.1	0.2	3.66	339
401431127	2012	11	5	19	V	2.3	0.2	2.95	343
401431127	2012	11	5	20	V	2.6	0.2	1.98	346
401431127	2012	11	5	21	V	2.1	0.2	1.91	338
401431127	2012	11	5	22	V	2.3	0.2	1.47	330
401431127	2012	11	5	23	V	2.3	0.2	2.57	18
401431127	2012	11	5	24	V	1.9	0.2	1.69	359
401431127	2012	11	6	1	V	1.3	0.2	1.6	357
401431127	2012	11	6	2	V	1.7	0.1	0.75	358
401431127	2012	11	6	3	V	1.1	0.1	0.84	257
401431127	2012	11	6	4	V	1.7	0.2	0.65	315
401431127	2012	11	6	5	V	2.0	0.3	0.84	228
401431127	2012	11	6	6	V	1.8	0.6	0.74	229
401431127	2012	11	6	7	V	1.7	1.1	0.77	246
401431127	2012	11	6	8	V	16.4	1.3	1.21	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	6	9	V	2.1	0.7	1.03	149
401431127	2012	11	6	10	V	6.0	0.4	2.35	203
401431127	2012	11	6	11	V	5.3	0.6	2.25	213
401431127	2012	11	6	12	V	2.8	0.4	2.83	236
401431127	2012	11	6	13	V	5.3	0.3	3.34	244
401431127	2012	11	6	14	V	3.0	0.4	3.15	285
401431127	2012	11	6	15	V	2.3	0.3	2.78	295
401431127	2012	11	6	16	V	2.9	0.7	2.47	300
401431127	2012	11	6	17	V	4.3	0.6	2.27	314
401431127	2012	11	6	18	V	4.1	0.4	1.33	309
401431127	2012	11	6	19	V	2.3	0.3	1.74	330
401431127	2012	11	6	20	V	2.6	0.2	1.87	322
401431127	2012	11	6	21	V	2.1	0.2	1.77	319
401431127	2012	11	6	22	V	2.3	0.2	1.43	317
401431127	2012	11	6	23	V	2.5	0.3	0.86	236
401431127	2012	11	6	24	V	2.2	0.3	0.57	239
401431127	2012	11	7	1	C	-999	0.3	0	0
401431127	2012	11	7	2	V	1.7	0.4	0.72	11
401431127	2012	11	7	3	V	1.1	0.6	0.79	283
401431127	2012	11	7	4	V	1.7	0.4	0.77	236
401431127	2012	11	7	5	V	2.0	0.3	0.55	329
401431127	2012	11	7	6	V	1.6	0.6	0.82	273
401431127	2012	11	7	7	V	1.6	1	1.01	257
401431127	2012	11	7	8	V	4.9	2.3	0.7	197
401431127	2012	11	7	9	V	2.7	1.8	1.35	30
401431127	2012	11	7	10	V	2.6	0.3	2.1	30
401431127	2012	11	7	11	V	2.7	-999	2.69	14
401431127	2012	11	7	12	V	2.8	-999	3.4	24
401431127	2012	11	7	13	V	5.3	-999	3.08	20
401431127	2012	11	7	14	V	4.3	-999	2.45	39
401431127	2012	11	7	15	V	2.9	-999	2.28	62
401431127	2012	11	7	16	V	3.4	-999	2.3	32
401431127	2012	11	7	17	V	4.3	-999	1.54	75
401431127	2012	11	7	18	V	4.2	-999	0.74	238
401431127	2012	11	7	19	V	2.5	-999	0.7	80
401431127	2012	11	7	20	V	3.5	-999	0.53	192
401431127	2012	11	7	21	C	-999	-999	0	0
401431127	2012	11	7	22	C	-999	-999	0	0
401431127	2012	11	7	23	V	2.6	-999	0.67	287
401431127	2012	11	7	24	C	-999	-999	0	0
401431127	2012	11	8	1	V	1.5	-999	0.55	242
401431127	2012	11	8	2	V	1.7	-999	0.75	256
401431127	2012	11	8	3	V	1.1	-999	0.82	255
401431127	2012	11	8	4	V	3.0	-999	1.06	221
401431127	2012	11	8	5	V	1.8	-999	1.77	179
401431127	2012	11	8	6	V	1.5	-999	1.96	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	8	7	V	1.5	-999	3.08	169
401431127	2012	11	8	8	V	2.7	-999	4.42	168
401431127	2012	11	8	9	V	1.5	-999	5.58	169
401431127	2012	11	8	10	V	1.4	-999	6.23	166
401431127	2012	11	8	11	V	2.6	-999	7.26	168
401431127	2012	11	8	12	V	2.7	-999	7.79	166
401431127	2012	11	8	13	V	5.2	-999	7.45	165
401431127	2012	11	8	14	V	2.9	-999	7.15	167
401431127	2012	11	8	15	V	2.2	-999	7.84	170
401431127	2012	11	8	16	V	2.8	1.2	7.83	173
401431127	2012	11	8	17	V	4.2	1.4	7.6	171
401431127	2012	11	8	18	V	4.0	1.7	6.69	169
401431127	2012	11	8	19	V	2.2	1.9	5.27	167
401431127	2012	11	8	20	V	2.6	2	4.51	162
401431127	2012	11	8	21	V	2.0	2	5.07	167
401431127	2012	11	8	22	V	2.2	2.2	5.22	167
401431127	2012	11	8	23	V	2.3	2	4.32	163
401431127	2012	11	8	24	V	1.9	2.2	4.14	166
401431127	2012	11	9	1	V	1.2	2.2	4.27	168
401431127	2012	11	9	2	V	1.5	2	3.51	165
401431127	2012	11	9	3	V	1.0	1.6	3.54	167
401431127	2012	11	9	4	V	1.5	1.2	3.37	171
401431127	2012	11	9	5	V	1.7	0.9	3.2	171
401431127	2012	11	9	6	V	1.5	0.6	3	168
401431127	2012	11	9	7	V	1.5	0.5	3.01	165
401431127	2012	11	9	8	V	2.7	0.4	3.25	166
401431127	2012	11	9	9	V	1.5	0.5	5.7	183
401431127	2012	11	9	10	V	1.4	0.5	7.49	186
401431127	2012	11	9	11	V	2.7	0.4	8.08	191
401431127	2012	11	9	12	V	2.7	0.5	8.35	190
401431127	2012	11	9	13	V	5.2	0.4	8.3	181
401431127	2012	11	9	14	V	2.9	0.4	8.33	191
401431127	2012	11	9	15	V	2.2	0.3	8.16	184
401431127	2012	11	9	16	V	2.8	0.3	8.64	183
401431127	2012	11	9	17	V	4.2	0.3	7.48	186
401431127	2012	11	9	18	V	4.0	0.4	6.23	178
401431127	2012	11	9	19	V	2.2	0.3	6.13	177
401431127	2012	11	9	20	V	2.6	0.3	4.63	162
401431127	2012	11	9	21	V	2.0	0.4	4.68	171
401431127	2012	11	9	22	V	2.2	0.3	5.24	172
401431127	2012	11	9	23	V	2.3	0.4	5.11	170
401431127	2012	11	9	24	V	1.9	0.4	5.63	175
401431127	2012	11	10	1	V	1.3	0.4	7.04	183
401431127	2012	11	10	2	V	1.6	0.4	6.21	183
401431127	2012	11	10	3	V	1.0	0.4	5.92	182
401431127	2012	11	10	4	V	1.6	0.4	5.48	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	10	5	V	1.7	0.4	5.46	180
401431127	2012	11	10	6	V	1.5	0.3	5.55	175
401431127	2012	11	10	7	V	1.5	0.3	5.89	174
401431127	2012	11	10	8	V	2.7	0.3	6.19	176
401431127	2012	11	10	9	V	1.5	0.3	7.08	180
401431127	2012	11	10	10	V	1.4	0.3	8.44	185
401431127	2012	11	10	11	V	2.6	0.3	9.78	188
401431127	2012	11	10	12	V	2.7	0.2	9.73	184
401431127	2012	11	10	13	V	5.2	0.2	9.83	185
401431127	2012	11	10	14	V	2.9	0.1	10.48	183
401431127	2012	11	10	15	V	2.2	0.2	10.88	182
401431127	2012	11	10	16	V	2.8	0.2	10	175
401431127	2012	11	10	17	V	4.2	0.2	8.64	174
401431127	2012	11	10	18	V	4.0	0.2	7.74	172
401431127	2012	11	10	19	V	2.2	0.2	6.28	169
401431127	2012	11	10	20	V	2.6	0.2	6.6	169
401431127	2012	11	10	21	V	2.0	0.2	6.69	169
401431127	2012	11	10	22	V	2.2	0.4	6.79	171
401431127	2012	11	10	23	V	2.3	0.6	8.2	175
401431127	2012	11	10	24	V	1.9	0.8	9.13	174
401431127	2012	11	11	1	V	1.2	1.1	8.78	174
401431127	2012	11	11	2	V	1.5	0.9	8.66	181
401431127	2012	11	11	3	V	1.5	0.5	8.25	192
401431127	2012	11	11	4	V	1.5	0.3	7.4	178
401431127	2012	11	11	5	V	1.7	0.3	7.3	170
401431127	2012	11	11	6	V	1.5	0.2	7.52	172
401431127	2012	11	11	7	V	1.5	0.1	6.11	280
401431127	2012	11	11	8	V	2.7	0.1	3.12	344
401431127	2012	11	11	9	V	1.8	0.1	1.25	333
401431127	2012	11	11	10	V	1.7	0.1	1.64	334
401431127	2012	11	11	11	V	3.1	0.1	1.35	344
401431127	2012	11	11	12	V	2.9	0.1	1.76	292
401431127	2012	11	11	13	V	5.2	0.1	4.15	326
401431127	2012	11	11	14	V	2.9	0.1	3.9	333
401431127	2012	11	11	15	V	2.2	0.1	3.95	334
401431127	2012	11	11	16	V	2.9	0.1	3.73	333
401431127	2012	11	11	17	V	4.2	0.1	3.71	332
401431127	2012	11	11	18	V	4.1	0	3.46	333
401431127	2012	11	11	19	V	2.2	0	3.44	334
401431127	2012	11	11	20	V	2.6	0	3.34	336
401431127	2012	11	11	21	V	2.1	0	1.88	341
401431127	2012	11	11	22	V	2.3	0	1.37	315
401431127	2012	11	11	23	V	2.3	0	2.03	328
401431127	2012	11	11	24	V	1.9	0	1.47	325
401431127	2012	11	12	1	V	1.3	0	1.25	323
401431127	2012	11	12	2	V	1.7	0	0.94	329

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	12	3	V	1.1	0	0.79	278
401431127	2012	11	12	4	V	1.6	0	0.96	257
401431127	2012	11	12	5	V	1.9	0	0.82	261
401431127	2012	11	12	6	C	-999	0	0	0
401431127	2012	11	12	7	V	5.8	0.2	0.53	215
401431127	2012	11	12	8	V	9.1	0.4	0.72	214
401431127	2012	11	12	9	V	4.5	0.6	1.14	224
401431127	2012	11	12	10	V	5.3	0.4	1.71	213
401431127	2012	11	12	11	V	3.5	0.2	2.56	224
401431127	2012	11	12	12	V	3.2	0.4	2.89	226
401431127	2012	11	12	13	V	5.6	0.3	2.95	227
401431127	2012	11	12	14	V	3.0	0.2	2.55	270
401431127	2012	11	12	15	V	2.3	0.4	2.9	288
401431127	2012	11	12	16	V	2.9	0.4	2.38	262
401431127	2012	11	12	17	V	4.2	0.5	1.91	262
401431127	2012	11	12	18	V	4.2	0.3	0.86	265
401431127	2012	11	12	19	V	2.4	0.7	0.77	255
401431127	2012	11	12	20	C	-999	1.2	0	0
401431127	2012	11	12	21	V	2.4	1.5	0.52	237
401431127	2012	11	12	22	V	2.4	1.8	0.74	249
401431127	2012	11	12	23	V	2.5	1.1	0.79	236
401431127	2012	11	12	24	V	5.2	0.9	0.52	218
401431127	2012	11	13	1	C	-999	1.1	0	0
401431127	2012	11	13	2	V	1.9	0.1	0.55	239
401431127	2012	11	13	3	V	7.9	0.1	0.65	210
401431127	2012	11	13	4	V	3.2	0.1	0.57	224
401431127	2012	11	13	5	V	2.0	0.2	0.69	296
401431127	2012	11	13	6	V	1.7	0.6	0.62	238
401431127	2012	11	13	7	V	1.7	1.2	0.77	246
401431127	2012	11	13	8	V	4.8	2.9	0.67	222
401431127	2012	11	13	9	V	2.9	2.6	0.57	213
401431127	2012	11	13	10	V	2.6	1.3	1.03	180
401431127	2012	11	13	11	V	3.1	1.2	1.28	152
401431127	2012	11	13	12	V	2.8	0.8	3.37	182
401431127	2012	11	13	13	V	5.4	0.3	3.18	187
401431127	2012	11	13	14	V	2.9	0.2	3.64	172
401431127	2012	11	13	15	V	2.2	0.3	3.64	161
401431127	2012	11	13	16	V	2.9	0.4	3.42	159
401431127	2012	11	13	17	V	4.2	0.4	3.2	160
401431127	2012	11	13	18	V	4.1	0.3	2.18	145
401431127	2012	11	13	19	V	2.4	0.5	0.77	166
401431127	2012	11	13	20	V	2.9	0.8	0.77	228
401431127	2012	11	13	21	C	-999	0.6	0	0
401431127	2012	11	13	22	C	-999	0.4	0	0
401431127	2012	11	13	23	C	-999	0.3	0	0
401431127	2012	11	13	24	C	-999	0.4	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	14	1	V	1.5	0.9	0.63	240
401431127	2012	11	14	2	V	1.9	0.7	0.52	275
401431127	2012	11	14	3	C	-999	0.8	0	0
401431127	2012	11	14	4	V	1.8	0.8	0.55	247
401431127	2012	11	14	5	V	2.0	0.7	0.65	283
401431127	2012	11	14	6	V	1.8	0.8	0.55	268
401431127	2012	11	14	7	C	-999	1.3	0	0
401431127	2012	11	14	8	C	-999	2	0	0
401431127	2012	11	14	9	C	-999	3.1	0	0
401431127	2012	11	14	10	V	1.6	0.9	2.4	167
401431127	2012	11	14	11	V	2.7	0.8	3.69	185
401431127	2012	11	14	12	V	2.9	0.7	3.69	189
401431127	2012	11	14	13	V	5.3	0.6	4.22	185
401431127	2012	11	14	14	V	2.9	0.6	4.17	172
401431127	2012	11	14	15	V	2.3	0.7	3.93	190
401431127	2012	11	14	16	V	2.9	0.7	3.64	177
401431127	2012	11	14	17	V	4.2	0.6	3.22	161
401431127	2012	11	14	18	V	4.0	0.7	2.38	164
401431127	2012	11	14	19	V	2.4	0.8	1.03	179
401431127	2012	11	14	20	V	8.9	0.7	0.63	207
401431127	2012	11	14	21	V	2.1	0.4	1.4	176
401431127	2012	11	14	22	V	2.3	0.3	1.38	181
401431127	2012	11	14	23	V	2.6	0.3	0.58	261
401431127	2012	11	14	24	V	2.1	0.2	0.63	247
401431127	2012	11	15	1	V	1.4	0.3	0.75	241
401431127	2012	11	15	2	V	1.8	0.4	0.6	258
401431127	2012	11	15	3	V	1.2	0.9	0.62	285
401431127	2012	11	15	4	V	1.8	0.6	0.53	242
401431127	2012	11	15	5	V	2.1	0.6	0.57	234
401431127	2012	11	15	6	C	-999	0.6	0	0
401431127	2012	11	15	7	V	1.8	1.5	0.58	247
401431127	2012	11	15	8	V	3.3	2	0.7	227
401431127	2012	11	15	9	V	4.6	1.9	0.89	193
401431127	2012	11	15	10	V	1.5	0.7	3	178
401431127	2012	11	15	11	V	2.9	0.9	4.22	193
401431127	2012	11	15	12	V	2.8	1.2	4.09	186
401431127	2012	11	15	13	V	5.7	1.5	2.84	190
401431127	2012	11	15	14	V	3.0	-999	2.5	145
401431127	2012	11	15	15	V	2.3	-999	2.84	136
401431127	2012	11	15	16	V	2.9	2.3	2.71	133
401431127	2012	11	15	17	V	4.2	2.1	3.05	124
401431127	2012	11	15	18	V	4.1	1.9	1.52	111
401431127	2012	11	15	19	C	-999	1.5	0	0
401431127	2012	11	15	20	V	2.8	2.1	0.69	328
401431127	2012	11	15	21	V	2.3	2.2	0.69	265
401431127	2012	11	15	22	V	2.5	2.1	0.63	335

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	15	23	V	2.5	2	0.92	273
401431127	2012	11	15	24	V	2.1	1.6	0.63	310
401431127	2012	11	16	1	V	1.5	2	0.58	251
401431127	2012	11	16	2	V	1.9	2	0.53	283
401431127	2012	11	16	3	V	1.3	1.6	0.57	306
401431127	2012	11	16	4	V	1.9	1.6	0.53	287
401431127	2012	11	16	5	V	2.1	1.8	0.55	297
401431127	2012	11	16	6	C	-999	1.8	0	0
401431127	2012	11	16	7	V	1.8	2.4	0.6	247
401431127	2012	11	16	8	V	2.9	2.9	0.63	256
401431127	2012	11	16	9	C	-999	2.4	0	0
401431127	2012	11	16	10	V	3.9	1.4	1.86	50
401431127	2012	11	16	11	V	3.5	0.8	1.67	62
401431127	2012	11	16	12	V	3.4	1	1.47	49
401431127	2012	11	16	13	V	5.5	1.1	1.3	106
401431127	2012	11	16	14	V	3.0	3.3	1.94	146
401431127	2012	11	16	15	V	2.2	1.6	2.35	133
401431127	2012	11	16	16	V	2.9	1.2	2.2	129
401431127	2012	11	16	17	V	4.2	1.9	2.2	154
401431127	2012	11	16	18	V	13.2	1.3	0.99	205
401431127	2012	11	16	19	C	-999	0.9	0	0
401431127	2012	11	16	20	C	-999	2.1	0	0
401431127	2012	11	16	21	C	-999	2.4	0	0
401431127	2012	11	16	22	C	-999	2.6	0	0
401431127	2012	11	16	23	V	2.6	2.7	0.53	329
401431127	2012	11	16	24	V	2.0	3	0.8	274
401431127	2012	11	17	1	C	-999	2.4	0	0
401431127	2012	11	17	2	V	1.8	2.7	0.57	262
401431127	2012	11	17	3	V	1.3	2.4	0.53	259
401431127	2012	11	17	4	V	1.7	2.3	0.74	296
401431127	2012	11	17	5	V	2.1	1.8	0.52	279
401431127	2012	11	17	6	V	6.6	1.9	0.57	214
401431127	2012	11	17	7	V	1.8	2.1	0.55	269
401431127	2012	11	17	8	C	-999	2.3	0	0
401431127	2012	11	17	9	V	2.2	2.5	0.8	152
401431127	2012	11	17	10	V	1.5	0.9	2.61	161
401431127	2012	11	17	11	V	2.6	1.2	4.65	171
401431127	2012	11	17	12	V	2.7	1.5	5.65	182
401431127	2012	11	17	13	V	5.2	1.2	4.46	168
401431127	2012	11	17	14	V	2.9	1	4.36	159
401431127	2012	11	17	15	V	2.2	1.3	4.63	163
401431127	2012	11	17	16	V	2.8	1.2	4.95	168
401431127	2012	11	17	17	V	4.2	1.1	4	168
401431127	2012	11	17	18	V	4.0	1.3	2.52	155
401431127	2012	11	17	19	V	2.3	1.1	1.94	156
401431127	2012	11	17	20	V	2.6	1	1.37	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	17	21	V	8.4	1.5	0.75	214
401431127	2012	11	17	22	V	6.1	3	0.8	200
401431127	2012	11	17	23	C	-999	2.2	0	0
401431127	2012	11	17	24	V	2.2	1.1	0.55	241
401431127	2012	11	18	1	V	1.6	1.2	0.57	234
401431127	2012	11	18	2	V	6.0	1.9	0.79	201
401431127	2012	11	18	3	V	1.1	1.5	1.06	186
401431127	2012	11	18	4	V	1.6	1	1.28	175
401431127	2012	11	18	5	V	6.4	0.8	1.01	201
401431127	2012	11	18	6	V	18.7	1	1.79	208
401431127	2012	11	18	7	V	1.6	1.2	2.13	192
401431127	2012	11	18	8	V	2.7	1.2	2.33	184
401431127	2012	11	18	9	V	1.5	1	3.59	178
401431127	2012	11	18	10	V	1.5	1	3.74	169
401431127	2012	11	18	11	V	2.6	1.5	4.56	170
401431127	2012	11	18	12	V	2.7	1.9	5.68	177
401431127	2012	11	18	13	V	5.2	2.1	6.65	175
401431127	2012	11	18	14	V	2.9	2.2	7.74	177
401431127	2012	11	18	15	V	2.2	2.4	6.46	176
401431127	2012	11	18	16	V	2.8	2.4	6.48	175
401431127	2012	11	18	17	V	4.2	2.1	5.04	166
401431127	2012	11	18	18	V	4.0	1.5	4.42	158
401431127	2012	11	18	19	V	2.2	1.2	4.22	160
401431127	2012	11	18	20	V	2.6	1.4	4.09	167
401431127	2012	11	18	21	V	2.0	1.4	3.92	173
401431127	2012	11	18	22	V	2.2	1.1	3.32	174
401431127	2012	11	18	23	V	2.3	1	3.03	168
401431127	2012	11	18	24	V	1.9	0.8	3.76	177
401431127	2012	11	19	1	V	1.2	0.8	3.83	171
401431127	2012	11	19	2	V	1.5	0.7	2.79	169
401431127	2012	11	19	3	V	1.0	0.5	2.81	167
401431127	2012	11	19	4	V	1.5	0.5	3.03	163
401431127	2012	11	19	5	V	1.7	1.2	3.39	157
401431127	2012	11	19	6	V	1.5	1.9	3.88	166
401431127	2012	11	19	7	V	1.5	1.7	4.43	171
401431127	2012	11	19	8	V	2.7	2	4.44	172
401431127	2012	11	19	9	V	1.5	2.7	4.32	171
401431127	2012	11	19	10	V	1.4	2.8	4.39	179
401431127	2012	11	19	11	V	2.8	2	4.8	193
401431127	2012	11	19	12	V	2.7	1.4	4.22	185
401431127	2012	11	19	13	V	5.3	1.1	4.76	187
401431127	2012	11	19	14	V	3.2	1.1	4.19	194
401431127	2012	11	19	15	V	2.3	1.1	4.15	190
401431127	2012	11	19	16	V	2.9	1.2	4.12	185
401431127	2012	11	19	17	V	4.2	1.1	3.3	178
401431127	2012	11	19	18	V	4.0	0.9	2.59	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	19	19	V	2.7	0.6	0.87	225
401431127	2012	11	19	20	V	2.8	0.6	0.63	162
401431127	2012	11	19	21	V	2.2	0.5	0.67	355
401431127	2012	11	19	22	V	2.4	0.5	0.72	174
401431127	2012	11	19	23	V	4.3	0.6	0.67	196
401431127	2012	11	19	24	V	2.3	0.4	0.62	187
401431127	2012	11	20	1	V	6.2	0.4	0.57	215
401431127	2012	11	20	2	V	3.2	0.8	0.52	224
401431127	2012	11	20	3	V	1.2	0.7	0.62	290
401431127	2012	11	20	4	V	1.7	0.6	0.69	233
401431127	2012	11	20	5	V	2.9	0.6	0.65	225
401431127	2012	11	20	6	V	1.7	0.9	0.55	272
401431127	2012	11	20	7	V	1.7	1.1	0.69	235
401431127	2012	11	20	8	C	-999	2.3	0	0
401431127	2012	11	20	9	V	2.6	3	0.7	175
401431127	2012	11	20	10	V	2.4	1.2	0.92	110
401431127	2012	11	20	11	V	3.7	0.7	2.3	55
401431127	2012	11	20	12	V	3.6	0.6	3	39
401431127	2012	11	20	13	V	5.3	0.5	2.71	19
401431127	2012	11	20	14	V	3.4	0.3	2.57	37
401431127	2012	11	20	15	V	2.3	0.3	2.64	27
401431127	2012	11	20	16	V	3.0	0.3	2.66	32
401431127	2012	11	20	17	V	4.2	0.4	2.11	26
401431127	2012	11	20	18	V	4.1	0.5	1.3	14
401431127	2012	11	20	19	V	2.4	1	0.77	348
401431127	2012	11	20	20	V	2.8	1.2	0.63	245
401431127	2012	11	20	21	C	-999	1.6	0	0
401431127	2012	11	20	22	C	-999	1	0	0
401431127	2012	11	20	23	V	2.5	2.1	0.62	257
401431127	2012	11	20	24	C	-999	2.6	0	0
401431127	2012	11	21	1	C	-999	2.1	0	0
401431127	2012	11	21	2	V	1.7	1.4	0.62	252
401431127	2012	11	21	3	C	-999	1.7	0	0
401431127	2012	11	21	4	V	1.8	2.1	0.53	306
401431127	2012	11	21	5	C	-999	1.7	0	0
401431127	2012	11	21	6	V	1.8	1.6	0.52	253
401431127	2012	11	21	7	C	-999	1.7	0	0
401431127	2012	11	21	8	C	-999	2.8	0	0
401431127	2012	11	21	9	V	2.5	2.9	0.84	238
401431127	2012	11	21	10	V	2.4	1.3	0.87	163
401431127	2012	11	21	11	V	3.1	1.1	1.28	161
401431127	2012	11	21	12	V	2.7	0.8	3.59	172
401431127	2012	11	21	13	V	5.2	0.6	4.88	175
401431127	2012	11	21	14	V	3.0	0.4	5.38	189
401431127	2012	11	21	15	V	2.3	0.3	5.58	194
401431127	2012	11	21	16	V	3.0	0.3	5.04	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	21	17	V	6.2	0.3	4.77	196
401431127	2012	11	21	18	V	4.2	0.5	3.08	190
401431127	2012	11	21	19	V	2.5	0.6	2.4	194
401431127	2012	11	21	20	V	4.4	0.4	2.38	199
401431127	2012	11	21	21	V	2.0	0.4	2.66	172
401431127	2012	11	21	22	V	2.2	0.4	4.37	173
401431127	2012	11	21	23	V	2.3	0.5	3.76	172
401431127	2012	11	21	24	V	1.9	0.7	2.67	171
401431127	2012	11	22	1	V	1.2	0.9	2.39	160
401431127	2012	11	22	2	V	1.5	0.9	4.19	171
401431127	2012	11	22	3	V	1.0	1.6	4.32	176
401431127	2012	11	22	4	V	1.5	2.2	3.37	179
401431127	2012	11	22	5	V	1.7	1.8	2.59	167
401431127	2012	11	22	6	V	1.5	1.5	1.74	155
401431127	2012	11	22	7	V	1.6	1.5	1.67	146
401431127	2012	11	22	8	V	2.7	1.6	3.07	167
401431127	2012	11	22	9	V	1.6	1.6	3.32	171
401431127	2012	11	22	10	V	1.5	1.3	3.52	173
401431127	2012	11	22	11	V	2.7	1	4.87	183
401431127	2012	11	22	12	V	2.7	1	6.97	192
401431127	2012	11	22	13	V	5.3	1	8.71	195
401431127	2012	11	22	14	V	3.0	0.8	8.86	194
401431127	2012	11	22	15	V	2.2	0.8	8.25	192
401431127	2012	11	22	16	V	2.9	0.6	7.98	190
401431127	2012	11	22	17	V	5.0	0.6	6.57	193
401431127	2012	11	22	18	V	5.8	0.5	4.78	196
401431127	2012	11	22	19	V	2.7	0.4	2.81	194
401431127	2012	11	22	20	V	5.5	0.4	1.43	199
401431127	2012	11	22	21	V	2.2	0.5	1.18	190
401431127	2012	11	22	22	V	2.3	0.3	3.66	336
401431127	2012	11	22	23	V	2.3	0.2	6.01	8
401431127	2012	11	22	24	V	1.9	0.1	5.55	4
401431127	2012	11	23	1	V	1.2	0.1	5.44	9
401431127	2012	11	23	2	V	1.5	0.1	7.32	22
401431127	2012	11	23	3	V	1.0	0.1	6.43	18
401431127	2012	11	23	4	V	1.5	0.1	3.34	5
401431127	2012	11	23	5	V	1.7	0.1	2.84	1
401431127	2012	11	23	6	V	1.5	0	2.42	343
401431127	2012	11	23	7	V	1.5	0	3.64	352
401431127	2012	11	23	8	V	2.7	0	3.66	352
401431127	2012	11	23	9	V	1.5	0	5.31	358
401431127	2012	11	23	10	V	1.4	0	4.95	358
401431127	2012	11	23	11	V	2.6	0	5.58	9
401431127	2012	11	23	12	V	2.7	0	5.38	350
401431127	2012	11	23	13	V	5.2	0	5.5	350
401431127	2012	11	23	14	V	2.9	0	4.61	342

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	23	15	V	2.2	0	4.56	344
401431127	2012	11	23	16	V	2.8	0	4	332
401431127	2012	11	23	17	V	4.2	0	3.35	337
401431127	2012	11	23	18	V	4.0	0	2.42	341
401431127	2012	11	23	19	V	2.3	0	1.52	334
401431127	2012	11	23	20	V	2.6	0	1.31	327
401431127	2012	11	23	21	V	2.1	0.1	1.23	319
401431127	2012	11	23	22	V	2.3	0	1.91	358
401431127	2012	11	23	23	V	2.4	0.3	1.98	3
401431127	2012	11	23	24	V	1.9	0.5	1.81	11
401431127	2012	11	24	1	V	1.3	0.6	1.96	9
401431127	2012	11	24	2	V	1.7	0.6	0.84	1
401431127	2012	11	24	3	V	1.1	0.5	0.8	286
401431127	2012	11	24	4	V	1.8	0.2	0.62	240
401431127	2012	11	24	5	V	1.9	0.4	0.69	264
401431127	2012	11	24	6	V	4.9	0.7	0.53	218
401431127	2012	11	24	7	V	1.9	0.6	0.53	271
401431127	2012	11	24	8	V	2.8	0.8	1.09	229
401431127	2012	11	24	9	V	2.5	1.1	0.63	160
401431127	2012	11	24	10	V	2.5	1.1	1.08	178
401431127	2012	11	24	11	V	2.7	2.1	3.07	166
401431127	2012	11	24	12	V	2.8	1.2	3.25	165
401431127	2012	11	24	13	V	5.3	0.8	3.78	175
401431127	2012	11	24	14	V	2.9	1	4.17	172
401431127	2012	11	24	15	V	2.2	2.3	4.42	166
401431127	2012	11	24	16	V	2.8	0.5	5.33	182
401431127	2012	11	24	17	V	4.3	0.3	5.34	186
401431127	2012	11	24	18	V	4.0	0.3	3.74	173
401431127	2012	11	24	19	V	2.2	0.3	3.34	180
401431127	2012	11	24	20	V	2.8	0.2	3.49	191
401431127	2012	11	24	21	V	2.2	0.2	3.18	190
401431127	2012	11	24	22	V	2.3	0.2	2.69	187
401431127	2012	11	24	23	V	2.4	0.3	3.05	189
401431127	2012	11	24	24	V	2.0	0.3	3.34	189
401431127	2012	11	25	1	V	1.3	0.3	3.35	187
401431127	2012	11	25	2	V	1.6	0.4	1.99	183
401431127	2012	11	25	3	V	1.1	0.4	1.14	171
401431127	2012	11	25	4	V	1.7	0.4	0.96	167
401431127	2012	11	25	5	V	2.1	0.5	0.51	127
401431127	2012	11	25	6	V	2.6	1.4	1.14	196
401431127	2012	11	25	7	V	1.8	1.9	0.8	188
401431127	2012	11	25	8	V	2.8	1.6	1.25	180
401431127	2012	11	25	9	V	1.9	2.2	1.43	178
401431127	2012	11	25	10	V	1.6	2.1	3.18	183
401431127	2012	11	25	11	V	2.7	1.8	4.34	183
401431127	2012	11	25	12	V	2.8	1.6	3.61	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	25	13	V	5.6	1.6	3.54	192
401431127	2012	11	25	14	V	3.0	1.6	3.18	179
401431127	2012	11	25	15	V	2.3	1.7	3.12	161
401431127	2012	11	25	16	V	2.9	1.8	3.27	169
401431127	2012	11	25	17	V	4.2	1.8	2.28	181
401431127	2012	11	25	18	V	4.2	1.7	0.87	256
401431127	2012	11	25	19	V	2.5	2.1	0.67	352
401431127	2012	11	25	20	V	2.8	2	0.65	348
401431127	2012	11	25	21	C	-999	1.6	0	0
401431127	2012	11	25	22	V	2.5	2.3	0.62	344
401431127	2012	11	25	23	V	2.4	2.2	1.59	22
401431127	2012	11	25	24	V	1.9	1.9	2.22	14
401431127	2012	11	26	1	V	1.2	0.4	2.35	22
401431127	2012	11	26	2	V	1.5	0.2	2.59	16
401431127	2012	11	26	3	V	1.0	0.2	2.76	17
401431127	2012	11	26	4	V	1.5	0.2	3.12	17
401431127	2012	11	26	5	V	1.7	0.2	3.47	13
401431127	2012	11	26	6	V	1.5	0.2	3.76	12
401431127	2012	11	26	7	V	1.5	0.2	3.88	10
401431127	2012	11	26	8	V	2.7	0.2	4.17	10
401431127	2012	11	26	9	V	1.6	0.4	4.34	6
401431127	2012	11	26	10	V	1.4	0.3	5.02	9
401431127	2012	11	26	11	V	2.6	0.3	5.29	9
401431127	2012	11	26	12	V	2.7	0.4	5.29	8
401431127	2012	11	26	13	V	5.2	0.5	5.82	3
401431127	2012	11	26	14	V	2.9	0.7	6.62	10
401431127	2012	11	26	15	V	2.2	1.3	6.43	10
401431127	2012	11	26	16	V	2.8	1.3	8.06	22
401431127	2012	11	26	17	V	4.2	0.8	7.06	21
401431127	2012	11	26	18	V	4.0	0.5	7.26	21
401431127	2012	11	26	19	V	2.2	0.3	6.11	21
401431127	2012	11	26	20	V	2.6	0.3	6.74	20
401431127	2012	11	26	21	V	2.0	0.3	6.02	21
401431127	2012	11	26	22	V	2.2	0.4	5.22	15
401431127	2012	11	26	23	V	2.3	0.2	6.11	17
401431127	2012	11	26	24	V	1.9	0.1	5.62	15
401431127	2012	11	27	1	V	1.2	0	4.63	10
401431127	2012	11	27	2	V	1.5	0	4.39	11
401431127	2012	11	27	3	V	1.0	0	3.52	10
401431127	2012	11	27	4	V	1.5	0	3.34	18
401431127	2012	11	27	5	V	1.7	0	3.47	11
401431127	2012	11	27	6	V	1.5	0	3.05	12
401431127	2012	11	27	7	V	1.5	0	2.11	357
401431127	2012	11	27	8	V	2.7	0.1	2.73	17
401431127	2012	11	27	9	V	1.6	0.3	2.83	20
401431127	2012	11	27	10	V	4.6	0.3	2.61	41

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	27	11	V	4.7	0.3	1.71	43
401431127	2012	11	27	12	V	3.0	0.4	1.69	72
401431127	2012	11	27	13	V	5.5	0.5	1.47	136
401431127	2012	11	27	14	V	3.3	0.3	1.26	154
401431127	2012	11	27	15	V	2.5	0.5	1.33	144
401431127	2012	11	27	16	V	3.4	0.4	2.03	191
401431127	2012	11	27	17	V	4.2	0.3	2.23	186
401431127	2012	11	27	18	V	14.4	0.5	1.01	207
401431127	2012	11	27	19	C	-999	1.7	0	0
401431127	2012	11	27	20	C	-999	2.2	0	0
401431127	2012	11	27	21	C	-999	1.4	0	0
401431127	2012	11	27	22	V	2.6	1.8	0.52	283
401431127	2012	11	27	23	V	2.6	2.1	0.53	285
401431127	2012	11	27	24	V	2.2	1.8	0.53	259
401431127	2012	11	28	1	V	1.5	2.1	0.53	249
401431127	2012	11	28	2	V	1.8	2.3	0.6	278
401431127	2012	11	28	3	C	-999	2.8	0	0
401431127	2012	11	28	4	V	2.0	2.6	0.55	232
401431127	2012	11	28	5	V	2.9	1.6	0.67	225
401431127	2012	11	28	6	C	-999	1.6	0	0
401431127	2012	11	28	7	C	-999	2.3	0	0
401431127	2012	11	28	8	C	-999	2.9	0	0
401431127	2012	11	28	9	V	7.3	3.1	0.87	210
401431127	2012	11	28	10	V	1.8	3.9	1.38	156
401431127	2012	11	28	11	V	2.8	0.8	2.42	147
401431127	2012	11	28	12	V	2.7	0.7	3.49	156
401431127	2012	11	28	13	V	5.3	0.6	4.25	166
401431127	2012	11	28	14	V	2.9	0.6	4.44	170
401431127	2012	11	28	15	V	2.2	0.6	4.53	168
401431127	2012	11	28	16	V	2.8	0.6	4.39	168
401431127	2012	11	28	17	V	4.2	0.8	3.83	167
401431127	2012	11	28	18	V	4.0	0.9	3	159
401431127	2012	11	28	19	V	2.2	1	2.42	158
401431127	2012	11	28	20	V	2.6	1.1	3.2	172
401431127	2012	11	28	21	V	2.0	2.2	3.54	176
401431127	2012	11	28	22	V	2.2	3.3	3.39	180
401431127	2012	11	28	23	V	2.3	2.6	3.1	168
401431127	2012	11	28	24	V	1.9	1.7	2.32	160
401431127	2012	11	29	1	V	1.3	1.4	1.2	176
401431127	2012	11	29	2	V	1.8	1.2	0.89	190
401431127	2012	11	29	3	V	9.3	1.3	0.89	206
401431127	2012	11	29	4	V	1.5	1.6	2.38	180
401431127	2012	11	29	5	V	1.7	2.1	2.88	168
401431127	2012	11	29	6	V	1.5	1.9	2.59	172
401431127	2012	11	29	7	V	1.5	1.1	1.64	177
401431127	2012	11	29	8	V	2.7	0.9	2.59	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	11	29	9	V	1.5	1.1	4.6	177
401431127	2012	11	29	10	V	1.4	1.3	7.09	187
401431127	2012	11	29	11	V	2.6	1.3	7.52	188
401431127	2012	11	29	12	V	2.7	1.2	7.04	187
401431127	2012	11	29	13	V	5.3	1.3	7.6	190
401431127	2012	11	29	14	V	3.0	-999	8.2	193
401431127	2012	11	29	15	V	2.2	0.9	7.6	191
401431127	2012	11	29	16	V	2.8	1	7.3	183
401431127	2012	11	29	17	V	4.2	0.9	6.26	177
401431127	2012	11	29	18	V	4.0	1.1	5.12	170
401431127	2012	11	29	19	V	2.2	1.4	4.12	166
401431127	2012	11	29	20	V	2.6	1.6	2.15	182
401431127	2012	11	29	21	V	5.8	1.4	1.31	200
401431127	2012	11	29	22	V	2.3	1.5	1.62	173
401431127	2012	11	29	23	V	2.4	1.5	1.77	167
401431127	2012	11	29	24	V	1.9	1.5	2.33	159
401431127	2012	11	30	1	V	1.2	2.6	2.27	160
401431127	2012	11	30	2	V	1.6	3.5	1.79	157
401431127	2012	11	30	3	V	1.0	3	1.69	166
401431127	2012	11	30	4	V	1.5	2	2.04	169
401431127	2012	11	30	5	V	1.7	1.2	2.37	166
401431127	2012	11	30	6	V	1.5	0.7	1.87	162
401431127	2012	11	30	7	V	1.6	0.4	1.18	171
401431127	2012	11	30	8	V	2.7	0.5	2.33	178
401431127	2012	11	30	9	V	1.5	1	3.3	172
401431127	2012	11	30	10	V	1.5	1.1	3.59	172
401431127	2012	11	30	11	V	2.7	1.1	6.09	189
401431127	2012	11	30	12	V	2.7	0.7	5.65	191
401431127	2012	11	30	13	V	5.2	0.5	5.31	181
401431127	2012	11	30	14	V	2.9	0.3	4.71	173
401431127	2012	11	30	15	V	2.2	0.3	4.65	174
401431127	2012	11	30	16	V	2.8	0.3	4.05	177
401431127	2012	11	30	17	V	4.2	0.4	3.22	170
401431127	2012	11	30	18	V	4.1	1.2	1.53	150
401431127	2012	11	30	19	V	2.2	2.4	2.73	165
401431127	2012	11	30	20	V	2.9	0.7	2.83	191
401431127	2012	11	30	21	V	2.0	0.2	3.69	173
401431127	2012	11	30	22	V	2.2	0.2	3.1	162
401431127	2012	11	30	23	V	2.3	0.2	3.27	175
401431127	2012	11	30	24	V	1.9	0.3	3.71	166
401431127	2012	12	1	1	V	2.3	0.5	3.39	163
401431127	2012	12	1	2	V	2.4	0.5	3.81	169
401431127	2012	12	1	3	V	1.9	0.5	4.09	167
401431127	2012	12	1	4	V	1.9	0.5	3.59	162
401431127	2012	12	1	5	V	2.1	0.4	4	165
401431127	2012	12	1	6	V	2.0	0.4	6.11	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	1	7	V	1.6	0.4	6.65	177
401431127	2012	12	1	8	V	2.4	0.3	7.18	180
401431127	2012	12	1	9	V	1.9	0.3	7.72	182
401431127	2012	12	1	10	V	2.9	0.4	8.86	188
401431127	2012	12	1	11	V	2.8	0.6	9.81	191
401431127	2012	12	1	12	V	5.4	0.5	9.83	195
401431127	2012	12	1	13	V	6.2	0.4	9.36	196
401431127	2012	12	1	14	V	2.9	0.4	9.8	195
401431127	2012	12	1	15	V	1.8	0.4	8.96	192
401431127	2012	12	1	16	V	3.3	0.4	7.89	198
401431127	2012	12	1	17	V	4.2	0.3	6.18	194
401431127	2012	12	1	18	V	4.6	0.4	3.98	192
401431127	2012	12	1	19	V	3.3	0.3	3.76	193
401431127	2012	12	1	20	V	2.4	0.3	2.81	187
401431127	2012	12	1	21	V	2.7	0.3	1.33	188
401431127	2012	12	1	22	V	2.9	0.3	0.69	81
401431127	2012	12	1	23	V	5.0	0.2	0.8	46
401431127	2012	12	1	24	V	3.3	0.5	1.45	350
401431127	2012	12	2	1	V	2.5	0.7	0.79	334
401431127	2012	12	2	2	V	5.4	0.9	0.55	219
401431127	2012	12	2	3	V	16.6	1.1	1.47	212
401431127	2012	12	2	4	V	2.0	1	1.79	191
401431127	2012	12	2	5	V	8.3	0.7	0.89	203
401431127	2012	12	2	6	V	2.2	0.7	0.6	142
401431127	2012	12	2	7	V	1.8	0.9	0.69	265
401431127	2012	12	2	8	V	4.7	1.1	1.28	219
401431127	2012	12	2	9	V	7.9	0.3	1.6	203
401431127	2012	12	2	10	V	3.9	0.3	2.21	227
401431127	2012	12	2	11	V	4.6	0.4	3.76	215
401431127	2012	12	2	12	V	6.5	0.7	5.46	211
401431127	2012	12	2	13	V	7.5	0.9	4.9	212
401431127	2012	12	2	14	V	4.8	0.8	4.07	211
401431127	2012	12	2	15	V	2.5	0.6	5.43	200
401431127	2012	12	2	16	V	3.2	0.7	6.01	195
401431127	2012	12	2	17	V	3.7	0.8	5.27	191
401431127	2012	12	2	18	V	4.3	0.6	3.24	178
401431127	2012	12	2	19	V	2.9	0.4	2.88	168
401431127	2012	12	2	20	V	2.4	0.3	3.56	172
401431127	2012	12	2	21	V	2.6	0.3	4.07	174
401431127	2012	12	2	22	V	2.7	0.3	4.2	168
401431127	2012	12	2	23	V	3.7	0.2	4.78	168
401431127	2012	12	2	24	V	3.2	0.2	5.16	176
401431127	2012	12	3	1	V	2.3	0.3	6.07	182
401431127	2012	12	3	2	V	2.5	0.5	6.55	188
401431127	2012	12	3	3	V	1.9	0.5	6.82	185
401431127	2012	12	3	4	V	1.9	0.4	7.4	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	3	5	V	2.1	0.4	7.08	185
401431127	2012	12	3	6	V	2.0	0.4	7.5	185
401431127	2012	12	3	7	V	1.8	0.4	7.21	190
401431127	2012	12	3	8	V	2.4	0.4	6.94	187
401431127	2012	12	3	9	V	2.0	0.5	7.76	191
401431127	2012	12	3	10	V	2.9	0.4	8.5	189
401431127	2012	12	3	11	V	2.8	0.4	8.9	188
401431127	2012	12	3	12	V	5.3	0.3	9.53	192
401431127	2012	12	3	13	V	6.2	0.3	10.44	195
401431127	2012	12	3	14	V	2.8	0.3	9.8	192
401431127	2012	12	3	15	V	1.8	0.3	9.25	188
401431127	2012	12	3	16	V	3.1	0.3	8.27	191
401431127	2012	12	3	17	V	3.8	0.3	6.14	192
401431127	2012	12	3	18	V	4.3	0.3	4.99	186
401431127	2012	12	3	19	V	2.9	0.3	4.61	183
401431127	2012	12	3	20	V	2.4	0.3	2.9	172
401431127	2012	12	3	21	V	5.9	0.3	1.57	200
401431127	2012	12	3	22	V	2.7	0.3	1.99	264
401431127	2012	12	3	23	V	3.7	0.2	3.27	348
401431127	2012	12	3	24	V	3.2	0.2	4.1	7
401431127	2012	12	4	1	V	2.3	0.3	5.19	10
401431127	2012	12	4	2	V	2.4	0.3	5.26	8
401431127	2012	12	4	3	V	1.9	0.4	5.19	4
401431127	2012	12	4	4	V	1.9	0.3	6.18	9
401431127	2012	12	4	5	V	2.1	0.5	5.5	13
401431127	2012	12	4	6	V	2.0	0.6	5.09	13
401431127	2012	12	4	7	V	1.6	0.6	4.73	5
401431127	2012	12	4	8	V	2.4	0.7	4.61	8
401431127	2012	12	4	9	V	1.9	0.7	4.46	5
401431127	2012	12	4	10	V	2.9	0.9	4.71	11
401431127	2012	12	4	11	V	2.8	0.8	4.39	25
401431127	2012	12	4	12	V	5.3	0.8	5.21	24
401431127	2012	12	4	13	V	6.1	0.7	5.22	12
401431127	2012	12	4	14	V	2.8	0.7	5.27	14
401431127	2012	12	4	15	V	1.8	0.7	5.05	14
401431127	2012	12	4	16	V	3.1	1.1	4.6	13
401431127	2012	12	4	17	V	3.3	0.9	3.73	18
401431127	2012	12	4	18	V	4.3	1.1	1.64	13
401431127	2012	12	4	19	V	3.0	1.7	0.89	333
401431127	2012	12	4	20	V	2.6	2.5	0.74	271
401431127	2012	12	4	21	C	-999	1.9	0	0
401431127	2012	12	4	22	V	2.9	2.6	0.65	288
401431127	2012	12	4	23	V	3.9	3.7	0.67	239
401431127	2012	12	4	24	V	3.5	2.4	0.6	250
401431127	2012	12	5	1	V	2.5	1.5	0.67	253
401431127	2012	12	5	2	C	-999	1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	5	3	V	2.1	1.2	0.75	233
401431127	2012	12	5	4	C	-999	1.5	0	0
401431127	2012	12	5	5	C	-999	1.5	0	0
401431127	2012	12	5	6	V	2.1	1.5	0.79	310
401431127	2012	12	5	7	V	1.8	1.5	0.69	265
401431127	2012	12	5	8	V	5.2	2.5	0.65	220
401431127	2012	12	5	9	V	2.4	3.4	0.62	166
401431127	2012	12	5	10	V	3.7	1.2	0.87	126
401431127	2012	12	5	11	V	3.0	1.3	1.98	148
401431127	2012	12	5	12	V	5.4	1.9	2.96	150
401431127	2012	12	5	13	V	6.2	1.3	4.8	146
401431127	2012	12	5	14	V	2.8	-999	5.33	138
401431127	2012	12	5	15	V	1.8	-999	3.97	141
401431127	2012	12	5	16	V	3.1	0.6	3.76	137
401431127	2012	12	5	17	V	3.3	0.7	3.71	137
401431127	2012	12	5	18	V	4.3	0.9	2.49	158
401431127	2012	12	5	19	V	2.9	1.1	2.37	148
401431127	2012	12	5	20	V	2.4	1.2	2.57	148
401431127	2012	12	5	21	V	2.6	1.2	1.72	159
401431127	2012	12	5	22	V	2.7	1.1	2.88	170
401431127	2012	12	5	23	V	3.7	1.2	3.23	167
401431127	2012	12	5	24	V	3.4	1	2.54	193
401431127	2012	12	6	1	V	2.3	0.6	1.89	183
401431127	2012	12	6	2	V	2.7	0.5	1.69	195
401431127	2012	12	6	3	V	2.3	0.4	1.96	196
401431127	2012	12	6	4	V	1.9	0.3	1.99	187
401431127	2012	12	6	5	V	2.1	0.2	1.94	176
401431127	2012	12	6	6	V	2.0	0.2	2.06	182
401431127	2012	12	6	7	V	17.5	0.2	1.43	210
401431127	2012	12	6	8	V	2.9	0.3	2.27	195
401431127	2012	12	6	9	V	2.0	0.3	3.83	165
401431127	2012	12	6	10	V	2.9	0.3	4.32	167
401431127	2012	12	6	11	V	2.8	0.5	4.58	164
401431127	2012	12	6	12	V	5.3	1	5.96	166
401431127	2012	12	6	13	V	6.1	1	5.85	166
401431127	2012	12	6	14	V	2.8	1	6.31	161
401431127	2012	12	6	15	V	1.8	0.9	5.9	153
401431127	2012	12	6	16	V	3.1	0.7	5.04	158
401431127	2012	12	6	17	V	3.3	0.6	4	160
401431127	2012	12	6	18	V	4.3	0.5	3.4	158
401431127	2012	12	6	19	V	2.9	0.4	2.69	151
401431127	2012	12	6	20	V	2.4	0.3	2.3	156
401431127	2012	12	6	21	V	2.6	0.3	2.1	169
401431127	2012	12	6	22	V	2.7	0.2	2.49	176
401431127	2012	12	6	23	V	3.7	0.3	2.78	171
401431127	2012	12	6	24	V	3.2	0.2	1.94	173

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	7	1	V	2.4	0.3	1.33	161
401431127	2012	12	7	2	V	2.5	0.2	1.09	133
401431127	2012	12	7	3	V	2.0	0.2	1.23	84
401431127	2012	12	7	4	V	2.1	0.2	0.79	83
401431127	2012	12	7	5	V	2.2	0.2	1.11	356
401431127	2012	12	7	6	V	2.1	0.2	1.99	37
401431127	2012	12	7	7	V	6.2	0.2	1.79	43
401431127	2012	12	7	8	V	2.4	0.3	1.62	23
401431127	2012	12	7	9	V	2.3	0.4	1.18	58
401431127	2012	12	7	10	V	3.2	0.3	1.42	84
401431127	2012	12	7	11	V	3.4	0.5	1.03	95
401431127	2012	12	7	12	V	6.2	0.4	0.97	174
401431127	2012	12	7	13	V	6.6	0.4	0.94	165
401431127	2012	12	7	14	V	4.7	0.4	0.77	230
401431127	2012	12	7	15	V	2.1	0.4	1.03	323
401431127	2012	12	7	16	V	3.4	0.5	0.82	4
401431127	2012	12	7	17	C	-999	0.4	0	0
401431127	2012	12	7	18	V	4.6	0.3	0.52	290
401431127	2012	12	7	19	V	3.1	0.3	0.92	338
401431127	2012	12	7	20	V	2.5	0.3	0.97	286
401431127	2012	12	7	21	V	2.8	0.2	0.74	297
401431127	2012	12	7	22	V	2.7	0.2	1.45	276
401431127	2012	12	7	23	V	3.7	0.2	1.89	298
401431127	2012	12	7	24	V	3.2	0.2	2.16	325
401431127	2012	12	8	1	V	2.3	0.2	2.06	343
401431127	2012	12	8	2	V	2.4	0.2	2.72	358
401431127	2012	12	8	3	V	1.9	0.2	2.18	359
401431127	2012	12	8	4	V	1.9	0.2	3.05	4
401431127	2012	12	8	5	V	2.1	0.2	3.32	7
401431127	2012	12	8	6	V	2.0	0.2	3.17	6
401431127	2012	12	8	7	V	1.6	0.2	3.32	15
401431127	2012	12	8	8	V	2.4	0.3	2.89	18
401431127	2012	12	8	9	V	2.0	0.5	3.27	32
401431127	2012	12	8	10	V	3.6	0.4	2.2	31
401431127	2012	12	8	11	V	3.2	0.5	1.76	29
401431127	2012	12	8	12	V	6.5	0.5	2.3	35
401431127	2012	12	8	13	V	7.2	0.5	1.5	33
401431127	2012	12	8	14	V	3.1	0.5	1.14	8
401431127	2012	12	8	15	V	2.1	0.4	1.21	23
401431127	2012	12	8	16	V	3.6	0.4	0.84	31
401431127	2012	12	8	17	V	3.4	0.4	1.52	25
401431127	2012	12	8	18	V	4.3	0.4	2.59	30
401431127	2012	12	8	19	V	2.9	0.5	2.66	30
401431127	2012	12	8	20	V	3.1	0.4	2.3	40
401431127	2012	12	8	21	V	2.7	0.3	1.71	33
401431127	2012	12	8	22	V	2.8	0.2	1.21	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	8	23	V	5.7	0.3	1.23	54
401431127	2012	12	8	24	V	3.3	0.3	1.67	19
401431127	2012	12	9	1	V	2.4	0.4	1.72	21
401431127	2012	12	9	2	V	2.4	0.2	2.66	19
401431127	2012	12	9	3	V	1.9	0.2	2.59	22
401431127	2012	12	9	4	V	1.9	0.2	2.91	20
401431127	2012	12	9	5	V	2.1	0.2	2.74	7
401431127	2012	12	9	6	V	2.0	0.2	2.93	360
401431127	2012	12	9	7	V	1.6	0.1	3.37	2
401431127	2012	12	9	8	V	2.4	0.2	3.39	3
401431127	2012	12	9	9	V	2.0	0.2	4.37	1
401431127	2012	12	9	10	V	2.9	0.1	4.97	4
401431127	2012	12	9	11	V	2.8	0.2	5.22	4
401431127	2012	12	9	12	V	5.3	0.1	4.63	3
401431127	2012	12	9	13	V	6.1	0.2	5.05	3
401431127	2012	12	9	14	V	2.8	0.1	4.51	351
401431127	2012	12	9	15	V	1.8	0.1	4.58	340
401431127	2012	12	9	16	V	3.1	0.1	4.78	339
401431127	2012	12	9	17	V	3.3	0.1	4.22	332
401431127	2012	12	9	18	V	4.3	0.1	4.75	332
401431127	2012	12	9	19	V	2.9	0.2	4.34	333
401431127	2012	12	9	20	V	2.4	0.1	5.41	341
401431127	2012	12	9	21	V	2.6	0.1	5.36	340
401431127	2012	12	9	22	V	2.7	0	4.83	341
401431127	2012	12	9	23	V	3.7	0	4.83	342
401431127	2012	12	9	24	V	3.2	0	3.56	342
401431127	2012	12	10	1	V	2.3	0	3.1	343
401431127	2012	12	10	2	V	2.4	0.1	4.14	343
401431127	2012	12	10	3	V	1.9	0.1	4.05	332
401431127	2012	12	10	4	V	1.9	0.1	3.52	329
401431127	2012	12	10	5	V	2.1	0	4.02	323
401431127	2012	12	10	6	V	2.0	0.1	4.63	325
401431127	2012	12	10	7	V	1.6	0	4.12	328
401431127	2012	12	10	8	V	2.4	0	2.64	335
401431127	2012	12	10	9	V	2.0	0.1	3.29	333
401431127	2012	12	10	10	V	2.9	0.1	3.13	328
401431127	2012	12	10	11	V	2.8	0.1	3.46	325
401431127	2012	12	10	12	V	5.4	0.1	3.27	322
401431127	2012	12	10	13	V	6.2	0.1	3.37	307
401431127	2012	12	10	14	V	2.9	0.1	3.15	313
401431127	2012	12	10	15	V	1.9	0.1	2.79	322
401431127	2012	12	10	16	V	3.2	0.1	2.03	307
401431127	2012	12	10	17	V	3.4	0.1	1.99	276
401431127	2012	12	10	18	V	4.4	0.4	1.57	267
401431127	2012	12	10	19	V	3.1	0.4	0.92	263
401431127	2012	12	10	20	V	2.6	1.3	0.65	263

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	10	21	V	2.8	1.5	0.74	242
401431127	2012	12	10	22	V	3.0	1.6	0.6	254
401431127	2012	12	10	23	V	5.4	2	0.97	197
401431127	2012	12	10	24	V	11.9	1.3	0.84	209
401431127	2012	12	11	1	V	5.9	0.9	0.94	218
401431127	2012	12	11	2	V	2.5	1.2	0.91	242
401431127	2012	12	11	3	V	3.5	1.3	0.97	221
401431127	2012	12	11	4	V	8.8	1.3	0.63	207
401431127	2012	12	11	5	V	2.3	1.5	0.77	272
401431127	2012	12	11	6	V	10.7	1.6	0.91	207
401431127	2012	12	11	7	V	8.0	1.6	1.04	215
401431127	2012	12	11	8	V	5.8	3.4	0.69	219
401431127	2012	12	11	9	V	11.0	2.8	1.01	206
401431127	2012	12	11	10	V	5.1	1.8	1.77	194
401431127	2012	12	11	11	V	3.0	1.6	2.4	172
401431127	2012	12	11	12	V	5.9	1.1	2.4	189
401431127	2012	12	11	13	V	8.2	0.9	2.95	211
401431127	2012	12	11	14	V	3.0	0.7	3.85	190
401431127	2012	12	11	15	V	2.8	0.5	4.14	203
401431127	2012	12	11	16	V	4.2	0.4	3.83	203
401431127	2012	12	11	17	V	3.4	0.4	3.78	185
401431127	2012	12	11	18	V	4.3	0.5	2.57	187
401431127	2012	12	11	19	V	9.0	0.6	1.59	202
401431127	2012	12	11	20	V	5.9	0.6	1.21	218
401431127	2012	12	11	21	V	14.0	0.6	1.2	212
401431127	2012	12	11	22	V	10.8	0.5	0.82	207
401431127	2012	12	11	23	V	4.0	0.3	0.62	69
401431127	2012	12	11	24	C	-999	0.3	0	0
401431127	2012	12	12	1	C	-999	0.3	0	0
401431127	2012	12	12	2	C	-999	0.2	0	0
401431127	2012	12	12	3	C	-999	0.2	0	0
401431127	2012	12	12	4	C	-999	0.2	0	0
401431127	2012	12	12	5	C	-999	0.5	0	0
401431127	2012	12	12	6	V	2.2	0.9	0.69	158
401431127	2012	12	12	7	V	1.8	1.7	1.08	189
401431127	2012	12	12	8	V	4.0	2.2	1.47	198
401431127	2012	12	12	9	V	2.1	0.9	1.67	188
401431127	2012	12	12	10	V	3.0	0.7	4.7	187
401431127	2012	12	12	11	V	3.3	0.8	5.24	198
401431127	2012	12	12	12	V	5.4	0.8	6.48	193
401431127	2012	12	12	13	V	6.2	0.6	6.18	186
401431127	2012	12	12	14	V	2.8	0.6	6.5	185
401431127	2012	12	12	15	V	1.8	1.1	5.99	176
401431127	2012	12	12	16	V	3.1	0.9	5.92	169
401431127	2012	12	12	17	V	3.3	0.9	4.99	167
401431127	2012	12	12	18	V	4.3	1.1	3.73	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	12	19	V	2.9	1.7	3.39	164
401431127	2012	12	12	20	V	2.4	2.4	3.88	172
401431127	2012	12	12	21	V	2.6	2.1	4.48	169
401431127	2012	12	12	22	V	2.7	2.7	3.71	177
401431127	2012	12	12	23	V	3.7	1.8	2.95	168
401431127	2012	12	12	24	V	3.2	1.4	3.25	165
401431127	2012	12	13	1	V	2.3	1.4	2.88	163
401431127	2012	12	13	2	V	2.4	1.3	2.95	164
401431127	2012	12	13	3	V	1.9	1.5	2.74	162
401431127	2012	12	13	4	V	1.9	1.6	2.93	164
401431127	2012	12	13	5	V	2.1	1.6	3.35	168
401431127	2012	12	13	6	V	2.0	2	3.44	164
401431127	2012	12	13	7	V	1.6	1.6	3.39	169
401431127	2012	12	13	8	V	2.4	0.8	3.44	171
401431127	2012	12	13	9	V	2.0	0.7	4	173
401431127	2012	12	13	10	V	2.9	1.2	6.38	187
401431127	2012	12	13	11	V	2.8	1.6	7.96	185
401431127	2012	12	13	12	V	5.3	2	8.2	190
401431127	2012	12	13	13	V	6.1	2.1	8.42	187
401431127	2012	12	13	14	V	2.8	1.8	7.82	190
401431127	2012	12	13	15	V	1.8	1.5	7.31	188
401431127	2012	12	13	16	V	3.1	1.5	6.52	183
401431127	2012	12	13	17	V	3.3	1.7	5.6	174
401431127	2012	12	13	18	V	4.3	1.5	3.61	174
401431127	2012	12	13	19	V	2.9	1.3	3.61	175
401431127	2012	12	13	20	V	2.4	1.3	3.24	164
401431127	2012	12	13	21	V	2.6	1.1	2.66	160
401431127	2012	12	13	22	V	2.7	0.8	2.64	169
401431127	2012	12	13	23	V	3.7	1.1	3.61	182
401431127	2012	12	13	24	V	3.3	1.2	1.62	161
401431127	2012	12	14	1	V	5.9	1	0.97	200
401431127	2012	12	14	2	V	9.9	1.2	0.72	210
401431127	2012	12	14	3	V	1.9	2.1	1.5	172
401431127	2012	12	14	4	V	1.9	2.3	1.45	178
401431127	2012	12	14	5	V	2.1	2.3	1.77	169
401431127	2012	12	14	6	V	2.0	2	2.25	170
401431127	2012	12	14	7	V	1.6	1.9	3	159
401431127	2012	12	14	8	V	2.4	2	3.47	159
401431127	2012	12	14	9	V	2.0	2.1	3.32	161
401431127	2012	12	14	10	V	2.9	2.4	5.34	169
401431127	2012	12	14	11	V	2.8	1.9	4.63	168
401431127	2012	12	14	12	V	5.3	2.5	4.88	164
401431127	2012	12	14	13	V	6.1	2.3	5.07	166
401431127	2012	12	14	14	V	2.8	2.2	4.68	162
401431127	2012	12	14	15	V	1.8	1.9	5.41	162
401431127	2012	12	14	16	V	3.1	1	5.27	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	14	17	V	3.3	0.9	4.73	146
401431127	2012	12	14	18	V	4.3	1.3	5.5	153
401431127	2012	12	14	19	V	2.9	0.9	5.31	149
401431127	2012	12	14	20	V	2.4	0.3	5.1	156
401431127	2012	12	14	21	V	2.6	0.2	5.7	159
401431127	2012	12	14	22	V	2.7	0.2	5.62	164
401431127	2012	12	14	23	V	7.1	0.2	3.44	199
401431127	2012	12	14	24	V	3.2	0.2	3.32	136
401431127	2012	12	15	1	V	2.3	0.2	2.61	148
401431127	2012	12	15	2	V	2.4	0.2	3.18	174
401431127	2012	12	15	3	V	2.1	0.2	5.6	191
401431127	2012	12	15	4	V	3.2	0.2	5.31	196
401431127	2012	12	15	5	V	3.4	0.2	5.16	196
401431127	2012	12	15	6	V	13.7	0.3	4.36	208
401431127	2012	12	15	7	V	13.5	0.3	4.27	208
401431127	2012	12	15	8	V	2.5	0.2	2.56	192
401431127	2012	12	15	9	V	2.0	0.3	3.29	183
401431127	2012	12	15	10	V	3.6	0.3	5.36	217
401431127	2012	12	15	11	V	3.2	0.3	5.24	221
401431127	2012	12	15	12	V	5.3	0.3	4.49	234
401431127	2012	12	15	13	V	6.2	0.3	4.99	234
401431127	2012	12	15	14	V	3.5	0.2	5.05	218
401431127	2012	12	15	15	V	2.9	0.3	4.82	214
401431127	2012	12	15	16	V	3.7	0.3	4.58	200
401431127	2012	12	15	17	V	11.8	0.3	3.52	204
401431127	2012	12	15	18	V	21.6	0.3	1.84	209
401431127	2012	12	15	19	V	3.1	0.6	1.42	192
401431127	2012	12	15	20	V	2.5	0.6	1.47	191
401431127	2012	12	15	21	V	4.6	0.5	1.18	198
401431127	2012	12	15	22	V	10.6	0.7	0.77	211
401431127	2012	12	15	23	C	-999	1.1	0	0
401431127	2012	12	15	24	V	9.3	1.3	0.7	214
401431127	2012	12	16	1	V	3.9	1.4	0.99	197
401431127	2012	12	16	2	C	-999	1.5	0	0
401431127	2012	12	16	3	C	-999	1	0	0
401431127	2012	12	16	4	C	-999	1.1	0	0
401431127	2012	12	16	5	V	2.3	0.9	0.72	360
401431127	2012	12	16	6	V	3.8	0.9	0.79	222
401431127	2012	12	16	7	C	-999	1.3	0	0
401431127	2012	12	16	8	V	2.6	1.3	0.67	236
401431127	2012	12	16	9	V	2.1	1.2	0.87	245
401431127	2012	12	16	10	V	3.5	0.4	1.2	163
401431127	2012	12	16	11	V	3.0	0.4	3.25	231
401431127	2012	12	16	12	V	5.3	0.4	4.32	238
401431127	2012	12	16	13	V	6.2	0.4	4.58	255
401431127	2012	12	16	14	V	2.8	0.4	4.61	254

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	16	15	V	1.8	0.3	4.49	279
401431127	2012	12	16	16	V	3.1	0.3	4.1	259
401431127	2012	12	16	17	V	3.3	0.4	2.5	268
401431127	2012	12	16	18	V	4.3	0.4	3.22	327
401431127	2012	12	16	19	V	3.0	0.3	1.37	348
401431127	2012	12	16	20	V	2.4	0.3	2.45	334
401431127	2012	12	16	21	V	2.7	0.3	1.72	329
401431127	2012	12	16	22	V	2.7	0.2	2.27	332
401431127	2012	12	16	23	V	3.7	0.2	2.37	345
401431127	2012	12	16	24	V	3.2	0.2	3.24	5
401431127	2012	12	17	1	V	2.3	0.2	2.88	4
401431127	2012	12	17	2	V	2.4	0.1	2.49	7
401431127	2012	12	17	3	V	1.9	0.1	2.33	3
401431127	2012	12	17	4	V	1.9	0.1	2.23	327
401431127	2012	12	17	5	V	2.1	0.1	2.27	331
401431127	2012	12	17	6	V	2.0	0.1	2.69	316
401431127	2012	12	17	7	V	1.6	0.1	2.13	328
401431127	2012	12	17	8	V	2.4	0.1	2.4	329
401431127	2012	12	17	9	V	2.0	0.1	2.32	323
401431127	2012	12	17	10	V	3.0	0.1	2.5	310
401431127	2012	12	17	11	V	3.0	0.1	2.2	277
401431127	2012	12	17	12	V	5.4	0.2	2.67	260
401431127	2012	12	17	13	V	6.2	0.2	2.83	285
401431127	2012	12	17	14	V	2.9	0.8	2.69	280
401431127	2012	12	17	15	V	1.9	2.1	2.3	262
401431127	2012	12	17	16	V	3.2	0.5	1.94	246
401431127	2012	12	17	17	V	9.5	0.6	1.74	216
401431127	2012	12	17	18	V	16.0	0.9	1.18	212
401431127	2012	12	17	19	V	8.8	2.5	0.63	204
401431127	2012	12	17	20	V	9.9	2.4	0.69	208
401431127	2012	12	17	21	V	8.5	3.2	0.82	203
401431127	2012	12	17	22	V	18.4	3.1	1.48	209
401431127	2012	12	17	23	V	4.0	1.8	1.82	195
401431127	2012	12	17	24	V	5.9	0.5	1.14	199
401431127	2012	12	18	1	V	2.5	0.3	1.14	186
401431127	2012	12	18	2	V	2.6	0.3	0.92	185
401431127	2012	12	18	3	V	2.0	0.2	0.91	178
401431127	2012	12	18	4	V	2.0	0.2	1.2	186
401431127	2012	12	18	5	V	2.1	0.2	1.57	170
401431127	2012	12	18	6	V	2.0	0.2	1.45	164
401431127	2012	12	18	7	V	1.7	0.2	1.3	186
401431127	2012	12	18	8	V	4.1	0.4	0.63	223
401431127	2012	12	18	9	V	2.1	0.7	1.28	181
401431127	2012	12	18	10	V	5.6	0.9	1.54	194
401431127	2012	12	18	11	V	4.3	1.1	2.66	223
401431127	2012	12	18	12	V	5.7	1.3	1.86	260

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	18	13	V	7.4	1.4	1.99	191
401431127	2012	12	18	14	V	3.2	1.1	1.35	295
401431127	2012	12	18	15	V	2.1	0.8	2.27	26
401431127	2012	12	18	16	V	3.3	1	1.67	20
401431127	2012	12	18	17	V	3.4	2.6	1.18	11
401431127	2012	12	18	18	V	4.4	2.7	1.13	4
401431127	2012	12	18	19	V	3.2	3.2	0.62	301
401431127	2012	12	18	20	C	-999	2.5	0	0
401431127	2012	12	18	21	V	2.9	3	0.62	15
401431127	2012	12	18	22	V	3.0	3.6	0.62	237
401431127	2012	12	18	23	C	-999	1.9	0	0
401431127	2012	12	18	24	V	3.4	1.5	0.82	340
401431127	2012	12	19	1	V	2.4	2.3	1.52	342
401431127	2012	12	19	2	V	2.6	2	0.74	320
401431127	2012	12	19	3	V	1.9	1.7	1.76	28
401431127	2012	12	19	4	V	1.9	1.6	2.04	25
401431127	2012	12	19	5	V	2.1	1.2	1.96	22
401431127	2012	12	19	6	V	3.6	1.2	0.75	52
401431127	2012	12	19	7	V	1.9	1.7	0.69	65
401431127	2012	12	19	8	V	2.6	2.1	0.72	262
401431127	2012	12	19	9	V	2.0	2.1	2.47	156
401431127	2012	12	19	10	V	3.0	1.2	3.42	161
401431127	2012	12	19	11	V	2.8	0.4	3.98	168
401431127	2012	12	19	12	V	5.3	-999	4.46	163
401431127	2012	12	19	13	V	6.2	-999	4.19	162
401431127	2012	12	19	14	V	2.8	0.4	4.7	165
401431127	2012	12	19	15	V	1.9	0.4	3.59	163
401431127	2012	12	19	16	V	3.1	0.6	4.12	172
401431127	2012	12	19	17	V	3.3	0.5	5.11	180
401431127	2012	12	19	18	V	5.9	0.6	4.48	196
401431127	2012	12	19	19	V	3.0	0.4	4.24	188
401431127	2012	12	19	20	V	2.5	0.4	4.75	187
401431127	2012	12	19	21	V	11.3	0.4	5.55	208
401431127	2012	12	19	22	V	2.7	0.3	6.16	254
401431127	2012	12	19	23	V	3.7	0.3	4.54	259
401431127	2012	12	19	24	V	3.2	0.3	6.52	249
401431127	2012	12	20	1	V	2.3	0.3	6.16	268
401431127	2012	12	20	2	V	2.4	0.2	7.15	287
401431127	2012	12	20	3	V	1.9	0.1	7.06	290
401431127	2012	12	20	4	V	1.9	0.1	7.54	300
401431127	2012	12	20	5	V	2.1	0.1	8.03	298
401431127	2012	12	20	6	V	2.0	0.1	7.52	306
401431127	2012	12	20	7	V	1.6	0.1	6.84	317
401431127	2012	12	20	8	V	2.4	0.1	6.26	303
401431127	2012	12	20	9	V	2.0	0.1	6.24	303
401431127	2012	12	20	10	V	2.9	0.2	6.75	303

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	20	11	V	2.8	0.1	6.89	307
401431127	2012	12	20	12	V	5.3	0.1	5.89	309
401431127	2012	12	20	13	V	6.1	0.1	6.28	310
401431127	2012	12	20	14	V	2.8	0.2	6.24	318
401431127	2012	12	20	15	V	1.8	0.1	6.04	313
401431127	2012	12	20	16	V	3.1	0.2	5.92	319
401431127	2012	12	20	17	V	3.3	0.1	4.66	310
401431127	2012	12	20	18	V	4.3	0.1	3.29	311
401431127	2012	12	20	19	V	2.9	0.1	2.03	299
401431127	2012	12	20	20	V	2.5	0.1	0.97	281
401431127	2012	12	20	21	C	-999	0.1	0	0
401431127	2012	12	20	22	V	2.9	0.4	0.74	273
401431127	2012	12	20	23	C	-999	0.5	0	0
401431127	2012	12	20	24	V	9.3	0.8	0.62	211
401431127	2012	12	21	1	V	3.5	1	0.58	194
401431127	2012	12	21	2	C	-999	0.9	0	0
401431127	2012	12	21	3	V	2.3	0.7	0.65	189
401431127	2012	12	21	4	V	2.2	0.3	0.58	166
401431127	2012	12	21	5	C	-999	0.6	0	0
401431127	2012	12	21	6	V	2.2	0.6	0.67	254
401431127	2012	12	21	7	V	1.9	1.1	0.52	265
401431127	2012	12	21	8	V	4.1	1.8	0.7	196
401431127	2012	12	21	9	V	4.8	3.6	0.94	199
401431127	2012	12	21	10	V	3.4	3.1	1.26	177
401431127	2012	12	21	11	V	3.0	2.3	2.62	182
401431127	2012	12	21	12	V	5.5	1.2	2.44	164
401431127	2012	12	21	13	V	6.2	0.5	2.76	149
401431127	2012	12	21	14	V	2.9	0.4	2.71	157
401431127	2012	12	21	15	V	1.9	0.4	2.96	161
401431127	2012	12	21	16	V	3.1	0.5	2.83	121
401431127	2012	12	21	17	V	3.3	0.7	2.21	160
401431127	2012	12	21	18	V	5.6	1	1.28	55
401431127	2012	12	21	19	V	3.2	1.7	0.57	69
401431127	2012	12	21	20	C	-999	3.4	0	0
401431127	2012	12	21	21	C	-999	3.2	0	0
401431127	2012	12	21	22	C	-999	3.3	0	0
401431127	2012	12	21	23	V	4.0	2.4	0.62	298
401431127	2012	12	21	24	V	3.5	3.7	0.53	272
401431127	2012	12	22	1	V	2.5	4.5	0.84	183
401431127	2012	12	22	2	V	2.9	3.5	0.97	193
401431127	2012	12	22	3	V	2.0	2.6	1.28	172
401431127	2012	12	22	4	C	-999	1.6	0	0
401431127	2012	12	22	5	V	2.3	0.9	0.87	184
401431127	2012	12	22	6	V	2.1	0.5	1.31	180
401431127	2012	12	22	7	V	9.3	0.5	0.91	213
401431127	2012	12	22	8	C	-999	0.3	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	22	9	V	2.0	0.6	1.45	165
401431127	2012	12	22	10	V	3.0	0.7	3.66	182
401431127	2012	12	22	11	V	2.9	0.7	4.65	190
401431127	2012	12	22	12	V	5.4	0.7	5.16	187
401431127	2012	12	22	13	V	6.2	0.7	6.02	186
401431127	2012	12	22	14	V	2.8	0.7	5.87	183
401431127	2012	12	22	15	V	1.8	0.9	6.01	190
401431127	2012	12	22	16	V	4.6	0.8	5.5	205
401431127	2012	12	22	17	V	9.0	1.1	4.82	202
401431127	2012	12	22	18	V	4.3	2	2.28	181
401431127	2012	12	22	19	V	2.9	0.9	1.72	168
401431127	2012	12	22	20	V	2.4	0.6	2.5	180
401431127	2012	12	22	21	V	5.4	0.5	1.06	199
401431127	2012	12	22	22	V	9.0	1.6	0.72	214
401431127	2012	12	22	23	V	5.6	0.7	1.2	198
401431127	2012	12	22	24	V	3.3	0.4	1.18	230
401431127	2012	12	23	1	V	2.6	0.4	0.69	270
401431127	2012	12	23	2	V	2.6	0.3	0.65	301
401431127	2012	12	23	3	V	2.5	0.3	0.82	226
401431127	2012	12	23	4	V	2.1	0.3	1.26	191
401431127	2012	12	23	5	V	4.3	0.2	0.79	221
401431127	2012	12	23	6	V	2.1	0.3	0.92	354
401431127	2012	12	23	7	C	-999	0.5	0	0
401431127	2012	12	23	8	V	9.6	0.7	0.63	208
401431127	2012	12	23	9	C	-999	0.9	0	0
401431127	2012	12	23	10	V	3.9	0.7	0.82	159
401431127	2012	12	23	11	V	3.0	0.6	2.04	246
401431127	2012	12	23	12	V	5.5	0.5	1.96	259
401431127	2012	12	23	13	V	8.1	0.4	1.62	204
401431127	2012	12	23	14	V	3.1	0.4	1.5	152
401431127	2012	12	23	15	V	1.9	0.4	2.57	24
401431127	2012	12	23	16	V	3.2	0.4	2.38	352
401431127	2012	12	23	17	V	3.3	0.5	2.54	351
401431127	2012	12	23	18	V	4.3	0.4	2.01	345
401431127	2012	12	23	19	V	2.9	0.4	2.76	360
401431127	2012	12	23	20	V	2.4	0.4	4.17	5
401431127	2012	12	23	21	V	2.6	0.3	3.9	349
401431127	2012	12	23	22	V	2.7	0.2	3.32	355
401431127	2012	12	23	23	V	3.8	0.2	1.65	349
401431127	2012	12	23	24	V	3.2	0.1	2.62	342
401431127	2012	12	24	1	V	2.3	0.1	3.03	330
401431127	2012	12	24	2	V	2.4	0.1	2.3	355
401431127	2012	12	24	3	V	1.9	0.1	2.56	322
401431127	2012	12	24	4	V	1.9	0.1	2.98	353
401431127	2012	12	24	5	V	2.1	0.1	2.42	317
401431127	2012	12	24	6	V	2.0	0.1	2.27	316

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	24	7	V	1.6	0.1	3.08	345
401431127	2012	12	24	8	V	2.4	0.1	2.74	351
401431127	2012	12	24	9	V	2.0	0.2	3.88	11
401431127	2012	12	24	10	V	2.9	0.2	4.1	17
401431127	2012	12	24	11	V	2.9	1.2	3.44	10
401431127	2012	12	24	12	V	5.4	2.6	2.93	9
401431127	2012	12	24	13	V	7.4	3.9	3.52	36
401431127	2012	12	24	14	V	2.9	2.7	3.91	11
401431127	2012	12	24	15	V	1.8	1	4.37	6
401431127	2012	12	24	16	V	3.1	0.8	4.32	21
401431127	2012	12	24	17	V	3.3	0.5	3.61	28
401431127	2012	12	24	18	V	4.3	0.5	4.76	34
401431127	2012	12	24	19	V	2.9	0.4	5.07	31
401431127	2012	12	24	20	V	2.4	0.4	6.23	36
401431127	2012	12	24	21	V	2.6	0.7	6.31	34
401431127	2012	12	24	22	V	2.7	1.3	6.26	30
401431127	2012	12	24	23	V	3.7	2.2	4.97	27
401431127	2012	12	24	24	V	3.2	1.4	5.89	30
401431127	2012	12	25	1	V	2.3	1.2	6.12	27
401431127	2012	12	25	2	V	2.4	1.3	6.82	28
401431127	2012	12	25	3	V	1.9	0.5	6.02	28
401431127	2012	12	25	4	V	1.9	0.4	6.38	29
401431127	2012	12	25	5	V	2.1	0.4	7.16	31
401431127	2012	12	25	6	V	2.0	0.4	7.26	30
401431127	2012	12	25	7	V	1.9	0.5	8.35	37
401431127	2012	12	25	8	V	2.4	0.5	8.5	31
401431127	2012	12	25	9	V	2.0	0.6	8.66	31
401431127	2012	12	25	10	V	2.9	0.7	9.03	25
401431127	2012	12	25	11	V	2.8	0.6	9.03	24
401431127	2012	12	25	12	V	5.3	0.5	7.99	20
401431127	2012	12	25	13	V	6.1	0.5	8.42	16
401431127	2012	12	25	14	V	2.8	0.4	9.22	20
401431127	2012	12	25	15	V	1.8	0.3	8.5	15
401431127	2012	12	25	16	V	3.1	0.2	7.98	12
401431127	2012	12	25	17	V	3.3	0.3	7.69	10
401431127	2012	12	25	18	V	4.3	0.3	6.24	2
401431127	2012	12	25	19	V	2.9	0.3	6.7	2
401431127	2012	12	25	20	V	2.4	0.3	7.13	8
401431127	2012	12	25	21	V	2.6	0.3	6.65	6
401431127	2012	12	25	22	V	2.7	0.3	5.8	360
401431127	2012	12	25	23	V	3.7	0.2	5.62	355
401431127	2012	12	25	24	V	3.2	0.2	3.75	344
401431127	2012	12	26	1	V	2.3	0.2	4	342
401431127	2012	12	26	2	V	2.4	0.1	3.25	335
401431127	2012	12	26	3	V	1.9	0.1	3.1	336
401431127	2012	12	26	4	V	1.9	0.1	3.07	335

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	26	5	V	2.1	0.1	3.2	340
401431127	2012	12	26	6	V	2.0	0.1	3.81	345
401431127	2012	12	26	7	V	1.6	0.1	3.18	339
401431127	2012	12	26	8	V	2.4	0.1	2.95	342
401431127	2012	12	26	9	V	2.0	0.2	3.35	340
401431127	2012	12	26	10	V	3.0	0.2	3.3	333
401431127	2012	12	26	11	V	2.9	0.2	2.78	325
401431127	2012	12	26	12	V	5.5	0.2	2.5	311
401431127	2012	12	26	13	V	6.4	0.3	2.03	336
401431127	2012	12	26	14	V	3.0	0.3	2.49	356
401431127	2012	12	26	15	V	2.1	0.6	2.47	28
401431127	2012	12	26	16	V	3.3	0.2	1.89	288
401431127	2012	12	26	17	V	3.4	0.1	1.08	357
401431127	2012	12	26	18	V	4.4	0.4	1.14	30
401431127	2012	12	26	19	V	3.2	0.7	0.67	3
401431127	2012	12	26	20	V	2.6	1.1	0.63	280
401431127	2012	12	26	21	C	-999	2.1	0	0
401431127	2012	12	26	22	C	-999	1.7	0	0
401431127	2012	12	26	23	C	-999	1.6	0	0
401431127	2012	12	26	24	V	5.7	1.3	0.8	48
401431127	2012	12	27	1	V	2.6	1.2	0.63	243
401431127	2012	12	27	2	V	2.6	1	0.69	355
401431127	2012	12	27	3	V	2.0	1.7	0.97	89
401431127	2012	12	27	4	V	1.9	1	1.64	105
401431127	2012	12	27	5	V	2.1	0.6	2.01	97
401431127	2012	12	27	6	V	2.1	0.6	1.4	126
401431127	2012	12	27	7	V	13.6	0.7	1.16	210
401431127	2012	12	27	8	V	2.4	0.3	2.39	163
401431127	2012	12	27	9	V	2.0	0.4	3.12	164
401431127	2012	12	27	10	V	3.0	0.5	3.23	164
401431127	2012	12	27	11	V	2.8	0.5	6.24	168
401431127	2012	12	27	12	V	5.3	0.6	6.98	173
401431127	2012	12	27	13	V	6.1	0.8	6.09	174
401431127	2012	12	27	14	V	2.8	1.2	6.01	170
401431127	2012	12	27	15	V	1.8	2	5.56	166
401431127	2012	12	27	16	V	3.1	2	5.43	170
401431127	2012	12	27	17	V	3.3	1.3	5	171
401431127	2012	12	27	18	V	4.3	0.9	3.37	175
401431127	2012	12	27	19	V	2.9	0.6	2.79	176
401431127	2012	12	27	20	V	2.4	0.4	1.96	186
401431127	2012	12	27	21	V	3.5	0.3	1.13	222
401431127	2012	12	27	22	V	2.7	0.3	1.31	236
401431127	2012	12	27	23	V	5.3	0.3	2.95	222
401431127	2012	12	27	24	V	6.1	0.2	1.71	218
401431127	2012	12	28	1	V	2.5	0.2	0.92	241
401431127	2012	12	28	2	V	2.7	0.2	0.52	318

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	28	3	V	2.2	0.4	0.55	9
401431127	2012	12	28	4	V	2.1	0.2	0.84	352
401431127	2012	12	28	5	V	3.0	0.2	0.99	38
401431127	2012	12	28	6	V	2.2	0.2	0.89	351
401431127	2012	12	28	7	V	1.7	0.2	1.13	336
401431127	2012	12	28	8	V	2.4	0.2	1.42	348
401431127	2012	12	28	9	V	2.1	0.2	1.09	356
401431127	2012	12	28	10	V	3.0	0.2	2.11	327
401431127	2012	12	28	11	V	2.9	0.3	2.66	342
401431127	2012	12	28	12	V	5.4	0.2	3.13	328
401431127	2012	12	28	13	V	6.2	0.2	2.32	322
401431127	2012	12	28	14	V	2.9	0.2	2.89	314
401431127	2012	12	28	15	V	1.9	0.2	2.96	320
401431127	2012	12	28	16	V	3.1	0.2	2.57	317
401431127	2012	12	28	17	V	3.4	0.2	2.73	327
401431127	2012	12	28	18	V	4.3	0.2	2.25	327
401431127	2012	12	28	19	V	2.9	0.1	2.45	314
401431127	2012	12	28	20	V	2.4	0.1	2.27	313
401431127	2012	12	28	21	V	2.6	0.1	3.05	317
401431127	2012	12	28	22	V	2.7	0.1	2.91	329
401431127	2012	12	28	23	V	3.7	0.1	2.1	324
401431127	2012	12	28	24	V	3.3	0.1	1.67	324
401431127	2012	12	29	1	V	2.3	0.1	1.79	319
401431127	2012	12	29	2	V	2.4	0.1	2.16	329
401431127	2012	12	29	3	V	1.9	0.1	1.86	309
401431127	2012	12	29	4	V	1.9	0.1	2.01	314
401431127	2012	12	29	5	V	2.1	0.1	2.84	314
401431127	2012	12	29	6	V	2.0	0.1	2.54	317
401431127	2012	12	29	7	V	1.6	0	1.94	290
401431127	2012	12	29	8	V	2.4	0	1.6	260
401431127	2012	12	29	9	V	2.0	0	1.54	289
401431127	2012	12	29	10	V	3.0	0.2	2.91	337
401431127	2012	12	29	11	V	3.0	0.2	2.2	330
401431127	2012	12	29	12	V	5.5	0.2	2.13	301
401431127	2012	12	29	13	V	6.2	0.4	2.71	273
401431127	2012	12	29	14	V	2.9	0.4	3.4	287
401431127	2012	12	29	15	V	1.9	0.5	2.67	276
401431127	2012	12	29	16	V	3.2	1.1	2.2	271
401431127	2012	12	29	17	V	3.4	2.1	1.23	287
401431127	2012	12	29	18	V	11.3	2.8	0.92	204
401431127	2012	12	29	19	V	10.7	1.8	0.94	205
401431127	2012	12	29	20	C	-999	2.5	0	0
401431127	2012	12	29	21	V	2.9	3.2	0.63	237
401431127	2012	12	29	22	C	-999	2.8	0	0
401431127	2012	12	29	23	V	4.0	3.9	0.6	269
401431127	2012	12	29	24	C	-999	3.5	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	30	1	C	-999	3.9	0	0
401431127	2012	12	30	2	V	2.6	3	0.69	246
401431127	2012	12	30	3	C	-999	2.3	0	0
401431127	2012	12	30	4	V	2.2	1.9	0.62	236
401431127	2012	12	30	5	C	-999	1.5	0	0
401431127	2012	12	30	6	C	-999	1.8	0	0
401431127	2012	12	30	7	V	1.8	1.9	0.84	175
401431127	2012	12	30	8	V	2.7	2.1	0.53	264
401431127	2012	12	30	9	C	-999	0.6	0	0
401431127	2012	12	30	10	V	3.2	0.2	1.37	160
401431127	2012	12	30	11	V	3.0	0.4	2.06	171
401431127	2012	12	30	12	V	5.3	0.4	5.8	188
401431127	2012	12	30	13	V	6.2	0.3	6.96	192
401431127	2012	12	30	14	V	2.8	0.3	6.16	189
401431127	2012	12	30	15	V	1.8	0.2	6.53	189
401431127	2012	12	30	16	V	3.1	0.2	5.53	180
401431127	2012	12	30	17	V	3.3	0.3	4.78	178
401431127	2012	12	30	18	V	4.3	0.4	3.54	165
401431127	2012	12	30	19	V	2.9	1.3	3.83	170
401431127	2012	12	30	20	V	2.4	1.4	4.1	168
401431127	2012	12	30	21	V	2.6	0.6	4.58	173
401431127	2012	12	30	22	V	2.7	0.4	4.87	171
401431127	2012	12	30	23	V	3.7	0.5	5.07	171
401431127	2012	12	30	24	V	3.2	0.7	4.39	179
401431127	2012	12	31	1	V	2.4	0.3	4.15	187
401431127	2012	12	31	2	V	2.4	0.1	3.91	186
401431127	2012	12	31	3	V	1.9	0.1	3.42	185
401431127	2012	12	31	4	V	1.9	0.1	3.13	176
401431127	2012	12	31	5	V	2.1	0.1	2.71	179
401431127	2012	12	31	6	V	2.0	0.1	2.45	177
401431127	2012	12	31	7	V	1.6	0.1	2.98	170
401431127	2012	12	31	8	V	2.4	0.1	3.08	160
401431127	2012	12	31	9	V	2.0	0.1	2.4	152
401431127	2012	12	31	10	V	2.9	0.1	3.32	138
401431127	2012	12	31	11	V	2.9	0.2	2.44	150
401431127	2012	12	31	12	V	5.3	0.2	3.76	161
401431127	2012	12	31	13	V	6.2	0.1	2.91	164
401431127	2012	12	31	14	V	2.9	0.2	2.5	165
401431127	2012	12	31	15	V	1.9	0.2	2.78	162
401431127	2012	12	31	16	V	3.1	0.2	2.98	168
401431127	2012	12	31	17	V	3.3	0.1	2.64	171
401431127	2012	12	31	18	V	4.3	0.1	1.52	174
401431127	2012	12	31	19	C	-999	0.1	0	0
401431127	2012	12	31	20	C	-999	0.2	0	0
401431127	2012	12	31	21	C	-999	0.1	0	0
401431127	2012	12	31	22	C	-999	0.1	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2012	12	31	23	C	-999	0.1	0	0
401431127	2012	12	31	24	C	-999	0.1	0	0
401431127	2013	1	1	1	V	2.3	0.1	2.81	356
401431127	2013	1	1	2	V	2.4	0.2	2.71	9
401431127	2013	1	1	3	V	1.9	0.1	3.42	5
401431127	2013	1	1	4	V	1.9	0.1	2.91	357
401431127	2013	1	1	5	V	2.1	0.1	2.96	360
401431127	2013	1	1	6	V	2.0	0.1	2.86	12
401431127	2013	1	1	7	V	1.6	0.1	2.74	355
401431127	2013	1	1	8	V	2.4	0.1	3.8	360
401431127	2013	1	1	9	V	2.0	0.1	3.42	2
401431127	2013	1	1	10	V	2.9	0.1	3.52	359
401431127	2013	1	1	11	V	2.8	0.1	3.56	3
401431127	2013	1	1	12	V	5.3	0.1	3.15	358
401431127	2013	1	1	13	V	6.2	0.1	3.12	335
401431127	2013	1	1	14	V	2.8	0.1	3.23	353
401431127	2013	1	1	15	V	1.8	0.2	3.29	354
401431127	2013	1	1	16	V	3.1	0.1	2.96	353
401431127	2013	1	1	17	V	3.3	0.1	2.81	356
401431127	2013	1	1	18	V	4.3	0.1	2.1	6
401431127	2013	1	1	19	V	2.9	0.1	2.27	353
401431127	2013	1	1	20	V	2.4	0.1	2.78	355
401431127	2013	1	1	21	V	2.6	0.1	2.06	356
401431127	2013	1	1	22	V	2.7	0.1	1.82	7
401431127	2013	1	1	23	V	3.7	0.1	2.01	358
401431127	2013	1	1	24	V	3.2	0.1	1.45	346
401431127	2013	1	2	1	V	2.4	0.1	0.97	310
401431127	2013	1	2	2	V	2.4	0.1	0.96	274
401431127	2013	1	2	3	V	2.0	0.1	0.63	301
401431127	2013	1	2	4	V	2.0	0.3	0.79	315
401431127	2013	1	2	5	V	3.3	0.4	0.67	197
401431127	2013	1	2	6	V	3.0	0.4	0.67	222
401431127	2013	1	2	7	V	1.7	0.7	0.77	231
401431127	2013	1	2	8	V	2.4	0.9	0.91	247
401431127	2013	1	2	9	V	4.0	1.2	1.06	217
401431127	2013	1	2	10	V	3.3	0.4	1.6	227
401431127	2013	1	2	11	V	2.9	0.5	2.59	229
401431127	2013	1	2	12	V	5.3	0.2	3.07	248
401431127	2013	1	2	13	V	6.4	0.2	3.27	224
401431127	2013	1	2	14	V	3.3	0.5	3.71	219
401431127	2013	1	2	15	V	1.8	0.2	3.29	234
401431127	2013	1	2	16	V	4.6	0.2	3.05	207
401431127	2013	1	2	17	V	6.1	0.3	1.98	201
401431127	2013	1	2	18	V	5.2	1.2	0.72	195
401431127	2013	1	2	19	V	3.1	1.3	0.53	288
401431127	2013	1	2	20	V	2.5	0.2	0.53	256

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	2	21	V	2.7	1.6	0.92	303
401431127	2013	1	2	22	V	2.7	1	1.76	307
401431127	2013	1	2	23	V	3.7	0.1	2.44	334
401431127	2013	1	2	24	V	3.2	0.1	1.48	360
401431127	2013	1	3	1	V	6.0	0.1	1.43	202
401431127	2013	1	3	2	V	2.5	0.1	0.84	261
401431127	2013	1	3	3	V	1.9	0.3	1.16	274
401431127	2013	1	3	4	V	2.0	0.4	0.65	248
401431127	2013	1	3	5	V	2.2	0.7	0.82	231
401431127	2013	1	3	6	C	-999	0.7	0	0
401431127	2013	1	3	7	V	3.2	1.1	1.26	218
401431127	2013	1	3	8	C	-999	1.7	0	0
401431127	2013	1	3	9	V	4.4	2	0.52	202
401431127	2013	1	3	10	V	3.2	0.2	1.21	317
401431127	2013	1	3	11	V	3.1	0.3	1.45	308
401431127	2013	1	3	12	V	5.5	0.2	2.06	12
401431127	2013	1	3	13	V	6.2	0.2	2.54	20
401431127	2013	1	3	14	V	4.6	0.1	2.1	57
401431127	2013	1	3	15	V	1.9	0.1	1.69	284
401431127	2013	1	3	16	V	3.2	0.2	2.5	300
401431127	2013	1	3	17	V	3.3	0.1	2.13	285
401431127	2013	1	3	18	V	4.3	0.4	1.76	306
401431127	2013	1	3	19	V	2.9	0.4	1.86	308
401431127	2013	1	3	20	V	2.4	0.3	1.76	306
401431127	2013	1	3	21	V	2.7	0.3	1.33	316
401431127	2013	1	3	22	V	2.8	0.6	0.77	268
401431127	2013	1	3	23	V	3.8	1	0.79	272
401431127	2013	1	3	24	V	3.4	1.3	0.72	277
401431127	2013	1	4	1	V	2.4	1.6	0.82	248
401431127	2013	1	4	2	V	2.5	1.8	0.69	240
401431127	2013	1	4	3	C	-999	1.7	0	0
401431127	2013	1	4	4	V	2.1	1.7	0.77	230
401431127	2013	1	4	5	V	5.9	1.4	0.74	206
401431127	2013	1	4	6	V	2.2	1.6	0.77	186
401431127	2013	1	4	7	V	5.6	1.5	0.92	204
401431127	2013	1	4	8	C	-999	1.9	0	0
401431127	2013	1	4	9	V	2.1	3.3	0.86	228
401431127	2013	1	4	10	V	3.4	1.5	1.42	186
401431127	2013	1	4	11	V	2.9	1	3.57	186
401431127	2013	1	4	12	V	5.9	-999	3.25	195
401431127	2013	1	4	13	V	7.4	2	3.52	201
401431127	2013	1	4	14	V	2.8	0.5	4.46	227
401431127	2013	1	4	15	V	1.8	0.3	4.61	224
401431127	2013	1	4	16	V	3.2	0.3	4.32	222
401431127	2013	1	4	17	V	5.7	0.4	3.52	218
401431127	2013	1	4	18	V	12.1	2.3	1.76	208

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	4	19	V	7.9	3.6	1.18	204
401431127	2013	1	4	20	V	8.8	1.1	1.5	205
401431127	2013	1	4	21	V	8.2	1.2	1.4	204
401431127	2013	1	4	22	V	5.6	0.6	0.82	202
401431127	2013	1	4	23	V	4.0	0.4	0.89	191
401431127	2013	1	4	24	V	3.4	0.3	2.11	195
401431127	2013	1	5	1	V	8.1	0.4	1.98	204
401431127	2013	1	5	2	V	2.8	1	2.04	197
401431127	2013	1	5	3	V	2.2	1.2	2.32	195
401431127	2013	1	5	4	V	1.9	0.8	2.35	178
401431127	2013	1	5	5	V	2.1	0.4	2.59	189
401431127	2013	1	5	6	V	2.0	0.3	1.52	186
401431127	2013	1	5	7	V	1.6	0.2	2.16	171
401431127	2013	1	5	8	V	2.4	0.2	2.71	174
401431127	2013	1	5	9	V	2.0	0.3	1.72	183
401431127	2013	1	5	10	V	3.0	0.4	4.34	193
401431127	2013	1	5	11	V	3.5	1	5.28	203
401431127	2013	1	5	12	V	5.5	0.8	5.26	219
401431127	2013	1	5	13	V	6.2	0.3	5.17	223
401431127	2013	1	5	14	V	3.4	0.2	4.58	216
401431127	2013	1	5	15	V	1.8	0.2	3.66	238
401431127	2013	1	5	16	V	3.1	0.1	3.61	228
401431127	2013	1	5	17	V	3.3	0.1	2.71	239
401431127	2013	1	5	18	V	4.4	0.4	0.82	252
401431127	2013	1	5	19	V	3.0	1.6	0.69	297
401431127	2013	1	5	20	V	2.7	1.8	0.62	229
401431127	2013	1	5	21	V	2.8	2.2	0.72	269
401431127	2013	1	5	22	V	4.3	2.8	0.62	219
401431127	2013	1	5	23	V	3.9	1.6	0.63	253
401431127	2013	1	5	24	V	3.3	0.2	0.77	245
401431127	2013	1	6	1	V	2.5	0.1	0.67	232
401431127	2013	1	6	2	V	2.8	0.1	0.74	226
401431127	2013	1	6	3	V	7.0	0.1	1.04	208
401431127	2013	1	6	4	V	2.1	0.1	1.18	224
401431127	2013	1	6	5	V	6.6	0.1	1.35	214
401431127	2013	1	6	6	V	6.7	0.1	1.6	203
401431127	2013	1	6	7	V	1.7	0.1	0.86	250
401431127	2013	1	6	8	V	2.4	0.1	1.25	240
401431127	2013	1	6	9	V	2.0	0.1	1.43	306
401431127	2013	1	6	10	V	3.0	0.2	2.96	349
401431127	2013	1	6	11	V	2.9	0.1	3.13	347
401431127	2013	1	6	12	V	5.4	0.1	2.76	345
401431127	2013	1	6	13	V	6.2	0.1	3.18	8
401431127	2013	1	6	14	V	2.9	0.1	2.69	17
401431127	2013	1	6	15	V	2.0	0.1	3	30
401431127	2013	1	6	16	V	3.5	0.2	2.79	33

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	6	17	V	13.2	0.2	1.62	47
401431127	2013	1	6	18	V	4.4	0.3	0.91	101
401431127	2013	1	6	19	C	-999	0.7	0	0
401431127	2013	1	6	20	C	-999	1.4	0	0
401431127	2013	1	6	21	V	2.8	1.9	0.53	299
401431127	2013	1	6	22	V	2.8	0.8	0.91	283
401431127	2013	1	6	23	V	3.9	1.8	0.74	281
401431127	2013	1	6	24	V	3.3	2	0.82	262
401431127	2013	1	7	1	V	2.6	2.5	0.75	190
401431127	2013	1	7	2	V	2.6	2.4	0.52	266
401431127	2013	1	7	3	C	-999	2.9	0	0
401431127	2013	1	7	4	V	2.0	1.7	0.58	249
401431127	2013	1	7	5	C	-999	1.8	0	0
401431127	2013	1	7	6	V	5.5	2.1	0.74	212
401431127	2013	1	7	7	V	3.3	3.2	0.72	219
401431127	2013	1	7	8	V	3.7	4.2	0.84	220
401431127	2013	1	7	9	V	4.7	2.3	0.69	202
401431127	2013	1	7	10	V	3.2	0.7	1.2	165
401431127	2013	1	7	11	V	2.9	0.9	3.2	171
401431127	2013	1	7	12	V	5.3	0.8	6.36	190
401431127	2013	1	7	13	V	6.2	0.8	5.04	191
401431127	2013	1	7	14	V	2.8	0.8	5.87	187
401431127	2013	1	7	15	V	1.8	1	5.29	184
401431127	2013	1	7	16	V	3.1	1.1	4.95	186
401431127	2013	1	7	17	V	3.3	1	3.29	178
401431127	2013	1	7	18	V	4.3	1	2.06	182
401431127	2013	1	7	19	V	3.8	1	1.67	198
401431127	2013	1	7	20	V	5.0	0.7	1.98	201
401431127	2013	1	7	21	V	11.5	0.6	1.69	208
401431127	2013	1	7	22	V	12.0	0.6	1.79	209
401431127	2013	1	7	23	V	5.4	0.6	1.23	199
401431127	2013	1	7	24	V	5.4	0.5	0.7	200
401431127	2013	1	8	1	V	2.5	0.4	0.74	290
401431127	2013	1	8	2	V	2.5	0.3	1.11	157
401431127	2013	1	8	3	V	2.9	0.2	0.96	197
401431127	2013	1	8	4	V	2.0	0.3	1.03	171
401431127	2013	1	8	5	V	2.1	0.3	1.28	174
401431127	2013	1	8	6	V	2.0	0.9	1.35	175
401431127	2013	1	8	7	C	-999	0.8	0	0
401431127	2013	1	8	8	V	2.7	1.4	0.87	226
401431127	2013	1	8	9	V	8.9	1.4	1.47	207
401431127	2013	1	8	10	V	3.4	0.8	1.85	188
401431127	2013	1	8	11	V	2.8	0.7	3.91	168
401431127	2013	1	8	12	V	5.3	0.8	4.15	176
401431127	2013	1	8	13	V	6.2	0.8	4.83	181
401431127	2013	1	8	14	V	2.8	0.8	4.97	180

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	8	15	V	1.8	1	5.58	187
401431127	2013	1	8	16	V	3.1	1.5	5.19	189
401431127	2013	1	8	17	V	3.3	1	1.98	239
401431127	2013	1	8	18	V	4.5	0.6	1.25	191
401431127	2013	1	8	19	V	3.0	0.5	0.92	118
401431127	2013	1	8	20	V	2.4	0.5	1.31	181
401431127	2013	1	8	21	V	2.6	0.3	1.99	144
401431127	2013	1	8	22	V	3.7	0.2	0.75	40
401431127	2013	1	8	23	V	3.8	0.2	1.3	171
401431127	2013	1	8	24	V	3.3	0.2	1.47	135
401431127	2013	1	9	1	V	12.6	0.2	1.59	47
401431127	2013	1	9	2	V	12.9	0.2	2.06	46
401431127	2013	1	9	3	V	1.9	0.2	3.22	14
401431127	2013	1	9	4	V	1.9	0.1	2.37	14
401431127	2013	1	9	5	V	2.1	0.1	2.06	18
401431127	2013	1	9	6	V	2.0	0.1	2.08	8
401431127	2013	1	9	7	V	1.6	0.1	1.55	27
401431127	2013	1	9	8	V	2.4	0.1	1.72	9
401431127	2013	1	9	9	V	2.0	0.2	2.3	15
401431127	2013	1	9	10	V	3.0	0.2	3.13	19
401431127	2013	1	9	11	V	2.9	0.2	3.07	15
401431127	2013	1	9	12	V	5.4	0.3	3.61	13
401431127	2013	1	9	13	V	6.2	0.4	4.1	21
401431127	2013	1	9	14	V	2.8	0.5	4.14	25
401431127	2013	1	9	15	V	1.9	0.6	4.66	34
401431127	2013	1	9	16	V	3.1	0.5	4.92	29
401431127	2013	1	9	17	V	4.7	0.5	3.64	40
401431127	2013	1	9	18	V	4.5	0.4	4.27	38
401431127	2013	1	9	19	V	3.8	0.4	5	40
401431127	2013	1	9	20	V	7.1	0.3	4.83	47
401431127	2013	1	9	21	V	7.2	0.2	4.22	48
401431127	2013	1	9	22	V	5.3	0.2	4.41	43
401431127	2013	1	9	23	V	8.9	0.2	3.73	48
401431127	2013	1	9	24	V	6.1	0.3	3.27	51
401431127	2013	1	10	1	V	7.5	0.2	3.3	46
401431127	2013	1	10	2	V	2.4	0.3	3.47	62
401431127	2013	1	10	3	V	1.9	0.2	3.66	70
401431127	2013	1	10	4	V	1.9	0.2	3	67
401431127	2013	1	10	5	V	3.4	0.2	3.17	53
401431127	2013	1	10	6	V	3.5	0.2	2.33	53
401431127	2013	1	10	7	V	1.6	0.2	2.13	58
401431127	2013	1	10	8	V	5.0	0.2	2.13	42
401431127	2013	1	10	9	V	9.2	0.2	1.96	45
401431127	2013	1	10	10	V	3.1	0.3	2.27	67
401431127	2013	1	10	11	V	2.9	0.4	2.15	95
401431127	2013	1	10	12	V	5.4	0.5	2.13	138

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	10	13	V	6.2	0.7	3.54	166
401431127	2013	1	10	14	V	2.9	0.6	3.08	161
401431127	2013	1	10	15	V	1.9	0.3	2.4	144
401431127	2013	1	10	16	V	3.2	0.4	2.64	154
401431127	2013	1	10	17	V	3.3	0.4	3.61	167
401431127	2013	1	10	18	V	4.3	0.3	4.31	183
401431127	2013	1	10	19	V	7.8	0.9	3.71	212
401431127	2013	1	10	20	V	2.5	0.8	2.93	191
401431127	2013	1	10	21	V	2.7	0.5	3.25	188
401431127	2013	1	10	22	V	2.9	0.4	3.05	192
401431127	2013	1	10	23	V	4.3	0.4	4.02	194
401431127	2013	1	10	24	V	9.2	0.6	3.69	207
401431127	2013	1	11	1	V	2.4	0.8	3.64	190
401431127	2013	1	11	2	V	2.4	0.5	2.79	177
401431127	2013	1	11	3	V	2.0	0.3	2.86	191
401431127	2013	1	11	4	V	1.9	0.2	2.54	168
401431127	2013	1	11	5	V	2.1	0.2	3.46	182
401431127	2013	1	11	6	V	2.0	0.2	3.69	179
401431127	2013	1	11	7	V	1.6	0.2	3.32	164
401431127	2013	1	11	8	V	2.4	0.3	2.13	141
401431127	2013	1	11	9	V	2.0	0.4	3.64	169
401431127	2013	1	11	10	V	2.9	0.5	5.89	190
401431127	2013	1	11	11	V	2.9	1.2	7.16	195
401431127	2013	1	11	12	V	5.3	2	6.3	191
401431127	2013	1	11	13	V	6.2	0.8	6.74	190
401431127	2013	1	11	14	V	2.8	0.7	7.69	184
401431127	2013	1	11	15	V	1.8	0.7	6.91	188
401431127	2013	1	11	16	V	3.1	0.6	8.39	189
401431127	2013	1	11	17	V	3.5	0.6	6.53	189
401431127	2013	1	11	18	V	4.3	0.6	5.55	186
401431127	2013	1	11	19	V	2.9	0.5	4.24	182
401431127	2013	1	11	20	V	2.4	0.5	5.65	180
401431127	2013	1	11	21	V	2.6	0.5	4.65	183
401431127	2013	1	11	22	V	2.7	0.4	5.27	186
401431127	2013	1	11	23	V	3.8	0.5	3.74	191
401431127	2013	1	11	24	V	3.3	0.7	2.37	188
401431127	2013	1	12	1	V	2.3	0.6	1.76	264
401431127	2013	1	12	2	V	2.4	0.4	2.44	300
401431127	2013	1	12	3	V	1.9	0.3	2.44	321
401431127	2013	1	12	4	V	1.9	0.2	3.13	340
401431127	2013	1	12	5	V	2.0	0.1	3.49	349
401431127	2013	1	12	6	V	1.9	0.1	5.19	8
401431127	2013	1	12	7	V	1.6	0.1	5.46	12
401431127	2013	1	12	8	V	2.4	0.1	5.34	3
401431127	2013	1	12	9	V	1.9	0.1	5.92	5
401431127	2013	1	12	10	V	2.9	0.1	6.91	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	12	11	V	2.8	0.2	6.06	5
401431127	2013	1	12	12	V	5.3	0.2	6.6	17
401431127	2013	1	12	13	V	6.1	0.2	6.81	17
401431127	2013	1	12	14	V	2.8	0.2	5.55	9
401431127	2013	1	12	15	V	1.8	0.2	5.38	3
401431127	2013	1	12	16	V	3.1	0.1	6.35	358
401431127	2013	1	12	17	V	3.3	0.1	6.6	2
401431127	2013	1	12	18	V	4.3	0.1	6.09	10
401431127	2013	1	12	19	V	2.9	0.1	5.51	2
401431127	2013	1	12	20	V	2.3	0.1	5.43	2
401431127	2013	1	12	21	V	2.6	0.1	4.54	359
401431127	2013	1	12	22	V	2.7	0.1	4.61	2
401431127	2013	1	12	23	V	3.7	0.1	3.93	354
401431127	2013	1	12	24	V	3.2	0.1	3.93	342
401431127	2013	1	13	1	V	2.3	0.1	4.63	353
401431127	2013	1	13	2	V	2.4	0.1	5.22	4
401431127	2013	1	13	3	V	1.9	-999	4.07	351
401431127	2013	1	13	4	V	1.9	-999	3.56	350
401431127	2013	1	13	5	V	2.1	-999	3.37	351
401431127	2013	1	13	6	V	2.0	-999	4.15	353
401431127	2013	1	13	7	V	1.6	-999	4.12	351
401431127	2013	1	13	8	V	2.3	-999	3.85	349
401431127	2013	1	13	9	V	2.0	0	3.88	346
401431127	2013	1	13	10	V	2.9	0.1	4.07	342
401431127	2013	1	13	11	V	2.8	0.1	4.09	341
401431127	2013	1	13	12	V	5.3	0.1	4.15	328
401431127	2013	1	13	13	V	6.2	0.1	4.49	347
401431127	2013	1	13	14	V	2.8	0.1	4.17	341
401431127	2013	1	13	15	V	1.8	0.1	3.95	360
401431127	2013	1	13	16	V	3.1	0.1	3.51	11
401431127	2013	1	13	17	V	3.3	0.1	2.88	10
401431127	2013	1	13	18	V	4.3	0.1	3.01	23
401431127	2013	1	13	19	V	2.9	0.1	2.13	18
401431127	2013	1	13	20	V	2.4	0.2	1.62	9
401431127	2013	1	13	21	V	2.6	0.9	1.81	3
401431127	2013	1	13	22	V	2.8	0.3	0.77	4
401431127	2013	1	13	23	V	3.8	0.5	0.91	4
401431127	2013	1	13	24	V	3.3	0.5	0.79	307
401431127	2013	1	14	1	V	2.4	0.5	1.04	317
401431127	2013	1	14	2	V	2.4	0.2	1.59	335
401431127	2013	1	14	3	V	2.0	0.1	1.18	5
401431127	2013	1	14	4	V	1.9	0.2	2.06	10
401431127	2013	1	14	5	V	2.1	0.1	2.28	8
401431127	2013	1	14	6	V	2.0	0	2.18	4
401431127	2013	1	14	7	V	1.6	0.1	2.57	5
401431127	2013	1	14	8	V	2.4	0.1	3.1	15

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	14	9	V	2.0	0.1	2.56	21
401431127	2013	1	14	10	V	6.5	0.2	2.93	41
401431127	2013	1	14	11	V	3.1	0.2	4.63	59
401431127	2013	1	14	12	V	10.5	0.5	4.59	50
401431127	2013	1	14	13	V	11.6	1.2	4.49	49
401431127	2013	1	14	14	V	6.1	1.9	4.34	42
401431127	2013	1	14	15	V	7.2	8.5	4.22	47
401431127	2013	1	14	16	V	7.6	9.8	4.27	44
401431127	2013	1	14	17	V	6.3	6.7	4.24	43
401431127	2013	1	14	18	V	4.3	7.4	3.8	30
401431127	2013	1	14	19	V	2.9	1.9	3.47	26
401431127	2013	1	14	20	V	2.4	0.5	3.52	33
401431127	2013	1	14	21	V	2.6	0.4	3.95	26
401431127	2013	1	14	22	V	2.6	0.2	4.07	32
401431127	2013	1	14	23	V	3.7	0.1	2.96	23
401431127	2013	1	14	24	V	3.2	0.1	2.93	24
401431127	2013	1	15	1	V	2.3	0.1	3.3	24
401431127	2013	1	15	2	V	2.4	0	2.83	19
401431127	2013	1	15	3	V	1.9	0.1	3.05	11
401431127	2013	1	15	4	V	1.9	0	2.81	12
401431127	2013	1	15	5	V	2.1	0.1	2.39	13
401431127	2013	1	15	6	V	2.0	0.1	2.96	18
401431127	2013	1	15	7	V	1.6	0.1	2.47	16
401431127	2013	1	15	8	V	2.4	0.2	1.72	13
401431127	2013	1	15	9	V	2.0	0.2	2.21	15
401431127	2013	1	15	10	V	3.0	0.1	2.76	3
401431127	2013	1	15	11	V	2.8	0.3	3.97	9
401431127	2013	1	15	12	V	5.3	1.1	3.85	6
401431127	2013	1	15	13	V	6.2	1	3.68	6
401431127	2013	1	15	14	V	2.8	3.5	4.1	9
401431127	2013	1	15	15	V	1.8	0.8	4.05	14
401431127	2013	1	15	16	V	3.1	0.6	3.56	11
401431127	2013	1	15	17	V	3.3	0.7	2.93	9
401431127	2013	1	15	18	V	4.3	0.7	2.4	7
401431127	2013	1	15	19	V	2.9	0.6	2.16	2
401431127	2013	1	15	20	V	2.4	0.5	1.4	351
401431127	2013	1	15	21	V	2.7	0.4	1.35	321
401431127	2013	1	15	22	V	2.8	0.7	0.89	297
401431127	2013	1	15	23	V	3.9	1.3	0.8	294
401431127	2013	1	15	24	V	3.4	1.1	0.6	304
401431127	2013	1	16	1	V	2.4	0.9	0.79	274
401431127	2013	1	16	2	V	2.6	1.2	0.53	310
401431127	2013	1	16	3	V	2.0	1.6	0.62	245
401431127	2013	1	16	4	V	2.7	1.8	0.87	222
401431127	2013	1	16	5	V	2.2	1.6	0.92	257
401431127	2013	1	16	6	V	2.2	1.9	0.74	229

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	16	7	V	1.7	1.7	1.21	227
401431127	2013	1	16	8	V	5.6	1	0.92	214
401431127	2013	1	16	9	V	9.0	2.4	1.42	206
401431127	2013	1	16	10	V	4.1	22.7	1.53	193
401431127	2013	1	16	11	V	2.9	5.4	2.3	241
401431127	2013	1	16	12	V	5.4	0.8	3.1	235
401431127	2013	1	16	13	V	6.5	0.4	3.56	222
401431127	2013	1	16	14	V	3.0	0.4	3.1	227
401431127	2013	1	16	15	V	1.9	0.3	2.57	278
401431127	2013	1	16	16	V	3.2	0.3	2.35	272
401431127	2013	1	16	17	V	3.3	0.3	1.93	271
401431127	2013	1	16	18	V	4.4	0.3	1.2	265
401431127	2013	1	16	19	V	3.0	0.9	1.26	288
401431127	2013	1	16	20	V	2.7	2.9	0.94	224
401431127	2013	1	16	21	V	2.8	3.2	0.57	242
401431127	2013	1	16	22	V	2.8	1.9	0.58	286
401431127	2013	1	16	23	C	-999	1.4	0	0
401431127	2013	1	16	24	V	6.4	3.5	0.55	205
401431127	2013	1	17	1	C	-999	2.9	0	0
401431127	2013	1	17	2	V	2.5	1.2	0.55	243
401431127	2013	1	17	3	C	-999	1.3	0	0
401431127	2013	1	17	4	C	-999	1	0	0
401431127	2013	1	17	5	V	2.1	0.7	1.82	5
401431127	2013	1	17	6	V	1.9	0.1	5.5	11
401431127	2013	1	17	7	V	1.6	0.1	4.12	13
401431127	2013	1	17	8	V	2.4	0.2	3.17	11
401431127	2013	1	17	9	V	2.0	0.4	4.88	13
401431127	2013	1	17	10	V	2.9	0.6	5.19	10
401431127	2013	1	17	11	V	2.8	1.2	4.85	14
401431127	2013	1	17	12	V	5.3	-999	4.9	15
401431127	2013	1	17	13	V	6.1	-999	5.11	15
401431127	2013	1	17	14	V	2.8	0.5	5.36	13
401431127	2013	1	17	15	V	1.8	0.3	4.94	9
401431127	2013	1	17	16	V	3.1	0.3	4.32	16
401431127	2013	1	17	17	V	3.3	0.4	3.71	24
401431127	2013	1	17	18	V	4.5	0.7	2.15	37
401431127	2013	1	17	19	C	-999	1.2	0	0
401431127	2013	1	17	20	C	-999	2.1	0	0
401431127	2013	1	17	21	V	4.0	2.5	0.58	220
401431127	2013	1	17	22	V	2.8	2.1	0.77	258
401431127	2013	1	17	23	C	-999	1.8	0	0
401431127	2013	1	17	24	V	6.0	2.7	0.6	213
401431127	2013	1	18	1	V	3.4	2.6	0.63	222
401431127	2013	1	18	2	V	4.8	2.6	0.6	215
401431127	2013	1	18	3	C	-999	2.7	0	0
401431127	2013	1	18	4	C	-999	2.5	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	18	5	C	-999	2.4	0	0
401431127	2013	1	18	6	V	2.1	1.8	0.55	299
401431127	2013	1	18	7	C	-999	2	0	0
401431127	2013	1	18	8	C	-999	2.7	0	0
401431127	2013	1	18	9	V	7.4	0.4	1.28	204
401431127	2013	1	18	10	V	3.2	0.8	4.03	195
401431127	2013	1	18	11	V	2.8	0.9	6.46	186
401431127	2013	1	18	12	V	5.4	0.8	7.11	195
401431127	2013	1	18	13	V	6.2	0.9	7.88	197
401431127	2013	1	18	14	V	2.8	1.1	7.23	191
401431127	2013	1	18	15	V	1.8	1.3	7.26	191
401431127	2013	1	18	16	V	3.1	0.6	7.25	191
401431127	2013	1	18	17	V	3.3	0.6	6.47	190
401431127	2013	1	18	18	V	4.3	0.8	5.04	186
401431127	2013	1	18	19	V	2.9	0.7	4.46	181
401431127	2013	1	18	20	V	2.4	0.7	3.73	175
401431127	2013	1	18	21	V	2.7	0.7	1.77	187
401431127	2013	1	18	22	V	2.7	0.6	2.01	188
401431127	2013	1	18	23	V	3.7	0.5	1.64	176
401431127	2013	1	18	24	V	3.3	0.5	1.4	167
401431127	2013	1	19	1	V	2.4	0.6	1.62	144
401431127	2013	1	19	2	V	2.4	0.6	2.1	157
401431127	2013	1	19	3	V	2.0	0.6	3.59	192
401431127	2013	1	19	4	V	2.4	0.9	4.31	195
401431127	2013	1	19	5	V	2.5	3.1	4.05	194
401431127	2013	1	19	6	V	2.0	2.4	3.81	188
401431127	2013	1	19	7	V	1.6	1.8	3.3	178
401431127	2013	1	19	8	V	2.4	0.9	4.71	186
401431127	2013	1	19	9	V	2.5	2.2	4.85	193
401431127	2013	1	19	10	V	3.4	8.7	4.34	199
401431127	2013	1	19	11	V	3.4	4.1	4.99	215
401431127	2013	1	19	12	V	6.0	1.6	4.05	217
401431127	2013	1	19	13	V	7.4	1.3	3.01	217
401431127	2013	1	19	14	V	4.4	2.1	3.13	215
401431127	2013	1	19	15	V	2.7	3.8	3.59	217
401431127	2013	1	19	16	V	3.2	1.9	3.15	227
401431127	2013	1	19	17	V	4.4	1.2	3.12	216
401431127	2013	1	19	18	V	4.3	1	1.77	250
401431127	2013	1	19	19	V	3.0	1.4	1.03	291
401431127	2013	1	19	20	V	2.5	1.4	0.74	268
401431127	2013	1	19	21	C	-999	2.7	0	0
401431127	2013	1	19	22	V	2.9	3.5	0.52	262
401431127	2013	1	19	23	C	-999	3.2	0	0
401431127	2013	1	19	24	C	-999	4	0	0
401431127	2013	1	20	1	V	2.4	4.1	0.96	25
401431127	2013	1	20	2	V	2.6	3.1	0.63	35

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	20	3	V	2.8	2.3	0.6	43
401431127	2013	1	20	4	V	1.9	2.2	2.05	10
401431127	2013	1	20	5	V	2.1	0.4	2.78	14
401431127	2013	1	20	6	V	2.0	0.2	2.3	21
401431127	2013	1	20	7	V	1.6	0.2	2.74	15
401431127	2013	1	20	8	V	2.4	0.2	2.64	21
401431127	2013	1	20	9	V	2.0	0.3	2.78	29
401431127	2013	1	20	10	V	4.4	0.5	4.2	38
401431127	2013	1	20	11	V	5.6	0.8	3.32	54
401431127	2013	1	20	12	V	5.4	1.7	3.61	113
401431127	2013	1	20	13	V	6.2	1.8	3.2	135
401431127	2013	1	20	14	V	2.8	1.1	3.66	147
401431127	2013	1	20	15	V	1.9	0.8	3.18	168
401431127	2013	1	20	16	V	4.0	1.2	2.15	197
401431127	2013	1	20	17	V	3.4	2.1	0.84	167
401431127	2013	1	20	18	V	4.3	1	2.23	21
401431127	2013	1	20	19	V	2.9	0.5	5.14	18
401431127	2013	1	20	20	V	2.3	0.5	6.91	24
401431127	2013	1	20	21	V	2.6	0.2	6.75	24
401431127	2013	1	20	22	V	2.6	0.5	6.79	23
401431127	2013	1	20	23	V	3.7	1.1	6.86	21
401431127	2013	1	20	24	V	3.2	0.9	5.77	14
401431127	2013	1	21	1	V	2.3	0.9	4.85	16
401431127	2013	1	21	2	V	2.3	0.8	5	15
401431127	2013	1	21	3	V	1.8	0.5	5.22	22
401431127	2013	1	21	4	V	1.8	0.3	4.95	19
401431127	2013	1	21	5	V	2.0	0.3	4.32	18
401431127	2013	1	21	6	V	1.9	0.3	3.74	20
401431127	2013	1	21	7	V	1.6	0.2	3.59	15
401431127	2013	1	21	8	V	2.3	0.1	3.97	21
401431127	2013	1	21	9	V	2.0	0.3	3.83	23
401431127	2013	1	21	10	V	2.9	0.6	4.73	24
401431127	2013	1	21	11	V	2.8	8.8	4.24	24
401431127	2013	1	21	12	V	5.5	1.9	3.98	32
401431127	2013	1	21	13	V	6.3	1.6	3.37	29
401431127	2013	1	21	14	V	2.9	0.9	3.8	27
401431127	2013	1	21	15	V	2.0	0.5	3.93	32
401431127	2013	1	21	16	V	3.2	0.4	4.31	32
401431127	2013	1	21	17	V	3.3	0.5	4.12	33
401431127	2013	1	21	18	V	4.4	0.8	3.22	39
401431127	2013	1	21	19	V	2.9	1.1	2.66	28
401431127	2013	1	21	20	V	2.4	0.6	3.3	62
401431127	2013	1	21	21	V	2.6	0.4	2.25	31
401431127	2013	1	21	22	V	2.7	0.5	2.3	22
401431127	2013	1	21	23	V	11.7	0.4	1.62	49
401431127	2013	1	21	24	V	3.2	0.6	2.13	36

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	22	1	V	2.3	0.1	2.98	28
401431127	2013	1	22	2	V	2.4	0.1	2.49	31
401431127	2013	1	22	3	V	1.9	0.1	1.43	22
401431127	2013	1	22	4	V	1.9	0.1	1.79	17
401431127	2013	1	22	5	V	2.2	0.1	1.47	35
401431127	2013	1	22	6	V	2.0	0.1	2.08	15
401431127	2013	1	22	7	V	1.7	0.2	1.21	19
401431127	2013	1	22	8	V	2.5	0.5	0.7	339
401431127	2013	1	22	9	V	3.1	0.4	0.62	47
401431127	2013	1	22	10	M	-999	0.6	2.04	135
401431127	2013	1	22	11	M	-999	1	3.54	176
401431127	2013	1	22	12	M	-999	0.8	5.04	191
401431127	2013	1	22	13	M	-999	3.1	2.1	194
401431127	2013	1	22	14	M	-999	4.1	2.11	176
401431127	2013	1	22	15	M	-999	1.2	3.52	175
401431127	2013	1	22	16	M	-999	1.3	3.68	185
401431127	2013	1	22	17	M	-999	1.2	3.13	193
401431127	2013	1	22	18	V	4.3	1.3	2.01	178
401431127	2013	1	22	19	V	3.0	3.2	1.14	84
401431127	2013	1	22	20	V	2.5	1	1.23	130
401431127	2013	1	22	21	V	2.6	0.7	1.71	168
401431127	2013	1	22	22	V	2.8	0.6	0.94	155
401431127	2013	1	22	23	V	5.5	1.9	0.96	199
401431127	2013	1	22	24	V	3.4	1.6	1.13	189
401431127	2013	1	23	1	V	2.4	0.8	1.01	161
401431127	2013	1	23	2	V	2.5	1.1	1.26	191
401431127	2013	1	23	3	V	2.8	1.1	1.54	198
401431127	2013	1	23	4	V	2.8	1.1	1.14	197
401431127	2013	1	23	5	V	2.2	1.3	0.53	298
401431127	2013	1	23	6	V	2.5	1.3	0.65	226
401431127	2013	1	23	7	V	8.5	2	1.43	206
401431127	2013	1	23	8	V	2.6	2.6	0.75	185
401431127	2013	1	23	9	V	2.0	3.3	1.33	177
401431127	2013	1	23	10	V	3.1	1.9	1.65	163
401431127	2013	1	23	11	V	3.0	2.8	1.86	163
401431127	2013	1	23	12	V	5.5	11.8	2.55	182
401431127	2013	1	23	13	V	6.4	14.1	2.54	185
401431127	2013	1	23	14	V	3.0	9.3	1.94	173
401431127	2013	1	23	15	V	1.9	1.7	2.44	135
401431127	2013	1	23	16	V	3.2	1.5	2.86	125
401431127	2013	1	23	17	V	3.4	1.2	2.04	135
401431127	2013	1	23	18	V	4.4	2.1	1.28	74
401431127	2013	1	23	19	V	3.0	3.4	1.25	13
401431127	2013	1	23	20	V	2.4	3.6	1.74	16
401431127	2013	1	23	21	V	2.6	2.6	2.86	23
401431127	2013	1	23	22	V	2.7	1.8	2.81	24

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	23	23	V	3.7	0.7	2.64	29
401431127	2013	1	23	24	V	3.2	0.5	3.83	24
401431127	2013	1	24	1	V	2.3	2.7	5.51	28
401431127	2013	1	24	2	V	2.3	2.5	5.38	26
401431127	2013	1	24	3	V	1.8	3.6	6.09	28
401431127	2013	1	24	4	V	1.8	2.9	6.11	30
401431127	2013	1	24	5	V	2.0	2.1	5.9	25
401431127	2013	1	24	6	V	1.9	1.4	5.62	28
401431127	2013	1	24	7	V	1.6	1.5	5.17	28
401431127	2013	1	24	8	V	2.4	1.5	5.39	32
401431127	2013	1	24	9	V	2.1	1.5	5.51	36
401431127	2013	1	24	10	V	2.9	1.7	6.14	29
401431127	2013	1	24	11	V	2.8	4.1	5.79	32
401431127	2013	1	24	12	V	5.7	1.4	5.11	36
401431127	2013	1	24	13	V	6.2	4.7	4.46	17
401431127	2013	1	24	14	V	2.8	5.2	4.59	19
401431127	2013	1	24	15	V	1.8	4.2	3.93	23
401431127	2013	1	24	16	V	3.2	3.7	3.01	12
401431127	2013	1	24	17	V	3.4	2.6	2.16	360
401431127	2013	1	24	18	V	4.3	1.1	2.13	331
401431127	2013	1	24	19	V	3.0	0.5	1.04	346
401431127	2013	1	24	20	V	2.4	0.4	2.5	323
401431127	2013	1	24	21	V	2.6	0.4	2.11	335
401431127	2013	1	24	22	V	2.7	0.4	2.23	334
401431127	2013	1	24	23	V	3.7	0.3	2.03	341
401431127	2013	1	24	24	V	3.3	0.3	1.33	349
401431127	2013	1	25	1	V	2.4	0.3	1.25	348
401431127	2013	1	25	2	V	2.4	0.3	1.28	343
401431127	2013	1	25	3	V	1.9	0.3	1.33	307
401431127	2013	1	25	4	V	1.9	0.2	1.98	320
401431127	2013	1	25	5	V	2.1	0.2	1.76	332
401431127	2013	1	25	6	V	2.0	0.2	1.55	314
401431127	2013	1	25	7	V	1.6	0.2	1.89	329
401431127	2013	1	25	8	V	2.4	0.2	1.7	341
401431127	2013	1	25	9	V	2.0	0.3	1.88	335
401431127	2013	1	25	10	V	3.0	0.5	1.96	345
401431127	2013	1	25	11	V	2.9	0.6	2.27	356
401431127	2013	1	25	12	V	5.5	0.5	3.32	29
401431127	2013	1	25	13	V	6.2	0.4	3.71	28
401431127	2013	1	25	14	V	2.9	0.4	3.78	25
401431127	2013	1	25	15	V	1.9	0.3	3.01	19
401431127	2013	1	25	16	V	4.0	0.4	2.18	33
401431127	2013	1	25	17	V	13.8	0.4	2.27	48
401431127	2013	1	25	18	V	8.5	0.6	1.14	52
401431127	2013	1	25	19	V	3.1	0.8	0.63	65
401431127	2013	1	25	20	V	2.5	0.8	0.58	286

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	25	21	V	2.8	1.3	0.74	334
401431127	2013	1	25	22	V	2.9	1.4	0.57	263
401431127	2013	1	25	23	C	-999	2.3	0	0
401431127	2013	1	25	24	V	3.3	2.4	0.91	2
401431127	2013	1	26	1	V	2.3	1.9	1.82	11
401431127	2013	1	26	2	V	2.4	1.5	1.64	22
401431127	2013	1	26	3	V	2.0	1.4	1.16	23
401431127	2013	1	26	4	V	2.0	0.9	0.97	1
401431127	2013	1	26	5	V	2.1	0.8	2.55	29
401431127	2013	1	26	6	V	2.0	0.7	1.37	356
401431127	2013	1	26	7	V	1.8	0.9	0.75	245
401431127	2013	1	26	8	C	-999	1.1	0	0
401431127	2013	1	26	9	C	-999	1.8	0	0
401431127	2013	1	26	10	V	3.3	0.9	1.11	142
401431127	2013	1	26	11	V	2.9	1	2.88	154
401431127	2013	1	26	12	V	5.4	0.5	3.86	137
401431127	2013	1	26	13	V	6.2	0.5	5.11	135
401431127	2013	1	26	14	V	2.8	0.6	4.68	143
401431127	2013	1	26	15	V	1.8	0.6	4.68	171
401431127	2013	1	26	16	V	3.1	0.7	3.71	178
401431127	2013	1	26	17	V	3.3	0.8	4.56	173
401431127	2013	1	26	18	V	4.3	0.9	4.25	163
401431127	2013	1	26	19	V	2.9	0.8	4	144
401431127	2013	1	26	20	V	2.4	0.9	3.44	149
401431127	2013	1	26	21	V	2.6	0.8	3.56	150
401431127	2013	1	26	22	V	2.7	1	4.02	151
401431127	2013	1	26	23	V	3.7	0.8	3.86	156
401431127	2013	1	26	24	V	3.2	0.6	4.37	160
401431127	2013	1	27	1	V	2.3	0.5	4.36	171
401431127	2013	1	27	2	V	2.4	0.4	3.76	163
401431127	2013	1	27	3	V	1.9	0.3	4.68	161
401431127	2013	1	27	4	V	1.8	0.2	5.58	169
401431127	2013	1	27	5	V	2.1	-999	4.96	175
401431127	2013	1	27	6	V	1.9	0.2	5.96	171
401431127	2013	1	27	7	V	1.6	0.2	4.34	171
401431127	2013	1	27	8	V	2.4	0.2	4.6	173
401431127	2013	1	27	9	V	2.0	0.2	4.95	175
401431127	2013	1	27	10	V	2.9	0.2	5.34	176
401431127	2013	1	27	11	V	2.8	0.2	4.97	175
401431127	2013	1	27	12	V	5.4	0.3	5.46	191
401431127	2013	1	27	13	V	6.1	0.3	6.92	189
401431127	2013	1	27	14	V	2.8	0.3	6.91	189
401431127	2013	1	27	15	V	1.8	0.3	7.08	190
401431127	2013	1	27	16	V	3.1	0.3	7.84	189
401431127	2013	1	27	17	V	3.3	0.3	7.76	184
401431127	2013	1	27	18	V	4.3	0.3	6.82	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	27	19	V	2.9	0.3	4.42	168
401431127	2013	1	27	20	V	2.4	0.3	4.29	166
401431127	2013	1	27	21	V	2.6	0.3	4.02	162
401431127	2013	1	27	22	V	2.7	0.3	3.29	154
401431127	2013	1	27	23	V	3.7	0.3	2.74	150
401431127	2013	1	27	24	V	3.2	0.3	2.42	155
401431127	2013	1	28	1	V	2.3	0.3	2.25	147
401431127	2013	1	28	2	V	2.4	0.3	1.18	108
401431127	2013	1	28	3	V	2.8	0.3	4.83	196
401431127	2013	1	28	4	V	3.2	0.3	6.45	198
401431127	2013	1	28	5	V	3.9	0.4	6.57	200
401431127	2013	1	28	6	V	4.0	0.5	5.85	200
401431127	2013	1	28	7	V	2.7	0.4	5.72	197
401431127	2013	1	28	8	V	3.0	0.4	5.89	195
401431127	2013	1	28	9	V	2.0	0.4	6.69	196
401431127	2013	1	28	10	V	3.0	0.4	7.52	197
401431127	2013	1	28	11	V	2.9	0.6	8.08	195
401431127	2013	1	28	12	V	5.3	0.5	7.72	192
401431127	2013	1	28	13	V	6.1	0.5	6.94	183
401431127	2013	1	28	14	V	2.8	0.4	6.89	182
401431127	2013	1	28	15	V	1.8	0.4	7.42	189
401431127	2013	1	28	16	V	3.1	0.4	8.27	188
401431127	2013	1	28	17	V	3.3	0.4	7.06	181
401431127	2013	1	28	18	V	4.3	0.3	7.15	171
401431127	2013	1	28	19	V	2.9	0.3	6.18	168
401431127	2013	1	28	20	V	2.3	0.3	5.84	167
401431127	2013	1	28	21	V	2.6	0.3	6.02	171
401431127	2013	1	28	22	V	2.7	0.4	5.99	176
401431127	2013	1	28	23	V	3.7	0.4	5.68	170
401431127	2013	1	28	24	V	3.2	0.5	6.67	177
401431127	2013	1	29	1	V	2.3	0.5	6.55	178
401431127	2013	1	29	2	V	2.4	0.5	7.25	183
401431127	2013	1	29	3	V	1.9	0.5	6.67	186
401431127	2013	1	29	4	V	1.8	0.4	6.64	179
401431127	2013	1	29	5	V	2.1	0.5	6.3	182
401431127	2013	1	29	6	V	2.0	0.5	6.13	185
401431127	2013	1	29	7	V	1.6	0.4	6.26	180
401431127	2013	1	29	8	V	2.3	0.4	7.55	178
401431127	2013	1	29	9	V	1.9	0.4	7.69	182
401431127	2013	1	29	10	V	2.9	0.4	7.67	185
401431127	2013	1	29	11	V	3.4	0.3	7.94	207
401431127	2013	1	29	12	V	5.3	0.3	3.15	352
401431127	2013	1	29	13	V	6.2	0.3	2.86	27
401431127	2013	1	29	14	V	6.9	0.3	3.5	43
401431127	2013	1	29	15	M	-999	0.4	999	999
401431127	2013	1	29	16	V	3.3	0.5	1.02	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	29	17	V	3.3	0.4	2.4	129
401431127	2013	1	29	18	V	4.3	0.3	3.68	301
401431127	2013	1	29	19	V	2.9	0.3	4.08	320
401431127	2013	1	29	20	V	2.4	0.3	2.61	331
401431127	2013	1	29	21	V	2.6	0.3	3.46	6
401431127	2013	1	29	22	V	2.7	0.2	1.99	294
401431127	2013	1	29	23	V	3.7	0.2	3.27	293
401431127	2013	1	29	24	V	3.2	0.2	3.05	303
401431127	2013	1	30	1	V	2.3	0.2	2.86	296
401431127	2013	1	30	2	V	2.4	0.2	2.69	299
401431127	2013	1	30	3	V	1.9	0.2	2.61	284
401431127	2013	1	30	4	V	1.9	0.1	3.46	304
401431127	2013	1	30	5	V	2.1	0.2	4.34	307
401431127	2013	1	30	6	V	2.0	0.1	4.68	306
401431127	2013	1	30	7	V	1.6	0.1	4.87	316
401431127	2013	1	30	8	V	2.4	0.1	4.44	321
401431127	2013	1	30	9	V	2.0	0.2	5.38	323
401431127	2013	1	30	10	V	2.9	0.1	5.48	331
401431127	2013	1	30	11	V	2.8	0.1	5.55	325
401431127	2013	1	30	12	V	5.3	0.1	5.1	317
401431127	2013	1	30	13	V	6.1	0.1	5.36	321
401431127	2013	1	30	14	V	2.8	0.1	5	308
401431127	2013	1	30	15	V	1.8	0.1	5.39	306
401431127	2013	1	30	16	V	3.1	0.2	5.31	300
401431127	2013	1	30	17	V	3.3	0.2	4.37	300
401431127	2013	1	30	18	V	4.3	0.2	2.28	303
401431127	2013	1	30	19	V	3.0	0.1	0.91	327
401431127	2013	1	30	20	V	2.5	0.4	0.89	270
401431127	2013	1	30	21	V	2.8	1	0.77	280
401431127	2013	1	30	22	V	2.9	0.9	0.55	260
401431127	2013	1	30	23	V	3.8	1	1.03	236
401431127	2013	1	30	24	V	3.4	1	0.72	5
401431127	2013	1	31	1	V	2.4	1.5	0.96	274
401431127	2013	1	31	2	V	2.9	1.6	0.77	225
401431127	2013	1	31	3	V	2.0	1.5	0.96	232
401431127	2013	1	31	4	V	2.0	1.7	0.77	233
401431127	2013	1	31	5	V	2.2	1.6	0.77	236
401431127	2013	1	31	6	V	4.0	1.5	0.94	217
401431127	2013	1	31	7	V	1.8	1.4	0.79	231
401431127	2013	1	31	8	V	5.0	0.8	0.99	201
401431127	2013	1	31	9	V	5.6	0.8	1.86	203
401431127	2013	1	31	10	V	3.1	0.9	1.5	275
401431127	2013	1	31	11	V	3.0	0.6	2.04	307
401431127	2013	1	31	12	V	5.4	-999	3.29	334
401431127	2013	1	31	13	V	6.2	0.5	5.05	19
401431127	2013	1	31	14	V	2.8	0.3	6.5	21

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	1	31	15	V	1.8	0.4	7.88	23
401431127	2013	1	31	16	V	3.1	0.3	8.11	18
401431127	2013	1	31	17	V	3.3	0.2	7.45	18
401431127	2013	1	31	18	V	4.3	0.2	6.5	18
401431127	2013	1	31	19	V	2.9	0.2	4.09	14
401431127	2013	1	31	20	V	2.4	0.1	3.52	10
401431127	2013	1	31	21	V	2.6	0.1	3.9	11
401431127	2013	1	31	22	V	2.6	0.1	4.42	13
401431127	2013	1	31	23	V	3.7	0.1	5.19	20
401431127	2013	1	31	24	V	3.2	0.1	4.77	27
401431127	2013	2	1	1	V	2.3	0	4.8	20
401431127	2013	2	1	2	V	2.4	0.1	4.36	28
401431127	2013	2	1	3	V	4.7	0.1	3.24	43
401431127	2013	2	1	4	V	4.3	0.1	3.85	43
401431127	2013	2	1	5	V	2.1	0.1	3.34	57
401431127	2013	2	1	6	V	2.0	0.1	2.67	67
401431127	2013	2	1	7	V	1.6	0.1	2.44	81
401431127	2013	2	1	8	V	2.4	0.3	2.59	65
401431127	2013	2	1	9	V	2.0	0.5	2.13	74
401431127	2013	2	1	10	V	3.0	0.7	2.39	109
401431127	2013	2	1	11	V	2.9	1.3	2.45	126
401431127	2013	2	1	12	V	5.4	0.7	2.91	150
401431127	2013	2	1	13	V	6.2	0.5	3.35	142
401431127	2013	2	1	14	V	2.9	1.3	3.73	143
401431127	2013	2	1	15	V	1.8	0.5	4.78	151
401431127	2013	2	1	16	V	3.1	0.4	4.82	154
401431127	2013	2	1	17	V	3.3	0.5	4.83	155
401431127	2013	2	1	18	V	4.3	0.5	3.8	147
401431127	2013	2	1	19	V	2.9	0.7	2.1	132
401431127	2013	2	1	20	V	2.4	1	1.35	27
401431127	2013	2	1	21	V	2.7	1.3	1.08	340
401431127	2013	2	1	22	V	2.9	2	0.55	323
401431127	2013	2	1	23	V	3.8	2.3	0.87	235
401431127	2013	2	1	24	V	3.4	2.6	1.76	221
401431127	2013	2	2	1	V	6.5	3.1	1.54	215
401431127	2013	2	2	2	V	4.2	3	0.96	218
401431127	2013	2	2	3	V	2.1	2.4	0.53	357
401431127	2013	2	2	4	V	2.0	2	0.63	286
401431127	2013	2	2	5	V	2.3	1.9	0.6	263
401431127	2013	2	2	6	V	2.1	1.6	0.86	230
401431127	2013	2	2	7	V	1.8	1.6	0.75	248
401431127	2013	2	2	8	V	3.0	1.9	0.89	223
401431127	2013	2	2	9	V	2.3	1.8	0.67	172
401431127	2013	2	2	10	V	3.1	0.5	2.08	294
401431127	2013	2	2	11	V	2.8	0.4	4.14	3
401431127	2013	2	2	12	V	5.4	0.4	3.34	14

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	2	13	V	6.6	0.3	3.23	31
401431127	2013	2	2	14	V	2.9	0.3	2.2	358
401431127	2013	2	2	15	V	1.9	0.2	2.32	288
401431127	2013	2	2	16	V	3.2	0.2	2.96	294
401431127	2013	2	2	17	V	3.3	0.2	3.3	288
401431127	2013	2	2	18	V	4.3	0.4	2.2	282
401431127	2013	2	2	19	V	3.0	0.4	1.26	235
401431127	2013	2	2	20	V	2.4	0.7	1.2	251
401431127	2013	2	2	21	V	2.7	2.4	1.26	256
401431127	2013	2	2	22	V	2.7	1.5	1.57	252
401431127	2013	2	2	23	V	3.8	0.3	1.13	264
401431127	2013	2	2	24	V	3.3	0.5	1.11	259
401431127	2013	2	3	1	V	2.3	0.3	1.84	255
401431127	2013	2	3	2	V	2.4	0.2	1.94	269
401431127	2013	2	3	3	V	1.9	0.2	1.82	282
401431127	2013	2	3	4	V	1.9	0.2	1.57	305
401431127	2013	2	3	5	V	2.2	0.2	0.91	318
401431127	2013	2	3	6	V	2.0	0.2	1.3	327
401431127	2013	2	3	7	V	1.6	0.1	3.15	350
401431127	2013	2	3	8	V	2.4	0.3	3.24	13
401431127	2013	2	3	9	V	2.0	0.5	2.76	18
401431127	2013	2	3	10	V	2.9	0.2	4.56	26
401431127	2013	2	3	11	V	6.6	0.2	3.12	48
401431127	2013	2	3	12	V	5.5	8.7	2.16	77
401431127	2013	2	3	13	V	6.2	1.3	2.69	132
401431127	2013	2	3	14	V	2.8	0.3	3.39	144
401431127	2013	2	3	15	V	1.8	0.2	4.32	144
401431127	2013	2	3	16	V	3.1	0.2	4.37	148
401431127	2013	2	3	17	V	3.3	1.3	4.15	167
401431127	2013	2	3	18	V	4.3	0.8	2.95	165
401431127	2013	2	3	19	V	2.9	0.5	2.13	160
401431127	2013	2	3	20	V	2.4	0.7	1.89	157
401431127	2013	2	3	21	V	2.6	0.3	2.54	169
401431127	2013	2	3	22	V	2.7	0.3	3.64	177
401431127	2013	2	3	23	V	3.7	0.3	3.86	176
401431127	2013	2	3	24	V	3.2	0.4	3.08	168
401431127	2013	2	4	1	V	2.3	0.4	2.76	162
401431127	2013	2	4	2	V	2.4	0.5	2.42	143
401431127	2013	2	4	3	V	1.9	0.5	2.15	163
401431127	2013	2	4	4	V	1.9	0.5	2.01	156
401431127	2013	2	4	5	V	2.1	0.7	2.3	183
401431127	2013	2	4	6	V	2.1	0.7	1.89	188
401431127	2013	2	4	7	V	1.7	0.9	1.67	188
401431127	2013	2	4	8	V	2.8	1.1	3.15	194
401431127	2013	2	4	9	V	2.5	6.3	3.05	192
401431127	2013	2	4	10	V	4.7	11.7	3.39	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	4	11	V	3.5	1.7	3.56	219
401431127	2013	2	4	12	V	5.5	1.3	3.46	226
401431127	2013	2	4	13	V	6.2	1.3	2.71	273
401431127	2013	2	4	14	V	2.9	0.9	2.83	308
401431127	2013	2	4	15	V	1.8	0.8	4.14	1
401431127	2013	2	4	16	V	3.1	0.5	5.07	10
401431127	2013	2	4	17	V	3.3	0.5	4.9	12
401431127	2013	2	4	18	V	4.3	0.4	3.75	7
401431127	2013	2	4	19	V	2.9	0.5	2.76	14
401431127	2013	2	4	20	V	2.4	0.5	3.29	13
401431127	2013	2	4	21	V	2.6	0.4	4.43	14
401431127	2013	2	4	22	V	2.7	0.3	2.79	18
401431127	2013	2	4	23	V	3.8	0.3	1.72	34
401431127	2013	2	4	24	V	3.2	0.2	2.59	10
401431127	2013	2	5	1	V	2.3	0.2	1.98	10
401431127	2013	2	5	2	V	2.4	0.1	1.55	10
401431127	2013	2	5	3	V	2.0	0.1	1.04	347
401431127	2013	2	5	4	V	2.1	0.2	0.55	267
401431127	2013	2	5	5	V	2.2	0.3	0.91	11
401431127	2013	2	5	6	V	2.1	0.4	0.65	280
401431127	2013	2	5	7	V	1.7	1.1	0.87	272
401431127	2013	2	5	8	V	2.6	2.2	0.55	235
401431127	2013	2	5	9	V	3.5	2.5	0.57	193
401431127	2013	2	5	10	V	3.3	2.2	1.06	157
401431127	2013	2	5	11	V	3.0	19.8	1.88	170
401431127	2013	2	5	12	V	5.7	18.3	1.45	161
401431127	2013	2	5	13	V	6.5	11.8	1.16	163
401431127	2013	2	5	14	V	4.6	4.3	1.37	41
401431127	2013	2	5	15	V	1.9	1.3	2.33	325
401431127	2013	2	5	16	V	3.2	2.1	1.84	329
401431127	2013	2	5	17	V	3.4	1.6	1.76	307
401431127	2013	2	5	18	V	4.3	1.1	1.94	3
401431127	2013	2	5	19	V	3.1	2	0.79	335
401431127	2013	2	5	20	V	2.4	1.6	1.57	17
401431127	2013	2	5	21	V	2.8	1.7	0.82	29
401431127	2013	2	5	22	V	2.8	1.2	0.84	235
401431127	2013	2	5	23	V	3.9	1.4	0.75	290
401431127	2013	2	5	24	V	3.4	1.3	0.79	275
401431127	2013	2	6	1	V	2.4	1.1	0.96	357
401431127	2013	2	6	2	V	2.5	1.3	0.87	354
401431127	2013	2	6	3	V	2.0	1.4	0.69	246
401431127	2013	2	6	4	V	2.0	1.7	0.7	266
401431127	2013	2	6	5	V	2.3	1.5	0.58	352
401431127	2013	2	6	6	V	2.1	1.9	0.75	252
401431127	2013	2	6	7	V	2.6	2.1	0.63	223
401431127	2013	2	6	8	V	2.6	2.4	0.57	249

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	6	9	V	2.7	2	0.65	244
401431127	2013	2	6	10	V	3.0	1.4	2.62	166
401431127	2013	2	6	11	V	2.8	0.7	4.37	154
401431127	2013	2	6	12	V	5.3	0.8	4.31	149
401431127	2013	2	6	13	V	6.1	0.7	5.44	158
401431127	2013	2	6	14	V	2.8	0.7	6.23	163
401431127	2013	2	6	15	V	1.8	0.8	6.57	165
401431127	2013	2	6	16	V	3.1	0.6	6.35	162
401431127	2013	2	6	17	V	3.3	0.5	6.16	162
401431127	2013	2	6	18	V	4.3	0.6	5.65	163
401431127	2013	2	6	19	V	2.9	0.7	4.2	162
401431127	2013	2	6	20	V	2.4	0.5	4.82	160
401431127	2013	2	6	21	V	2.6	0.4	4.76	166
401431127	2013	2	6	22	V	2.7	0.4	4.03	161
401431127	2013	2	6	23	V	3.7	0.5	4.48	161
401431127	2013	2	6	24	V	3.2	0.5	4.48	169
401431127	2013	2	7	1	V	2.3	0.4	4.12	165
401431127	2013	2	7	2	V	2.4	0.4	3.98	175
401431127	2013	2	7	3	V	1.9	0.3	4.2	170
401431127	2013	2	7	4	V	1.9	0.3	4.19	170
401431127	2013	2	7	5	V	2.1	0.3	3.98	170
401431127	2013	2	7	6	V	2.0	0.2	3.59	167
401431127	2013	2	7	7	V	1.6	0.3	3.22	159
401431127	2013	2	7	8	V	2.4	0.3	2.18	154
401431127	2013	2	7	9	V	2.0	0.5	1.76	108
401431127	2013	2	7	10	V	5.0	0.4	1.26	37
401431127	2013	2	7	11	V	2.9	-999	2.13	141
401431127	2013	2	7	12	V	5.4	-999	2.1	163
401431127	2013	2	7	13	V	6.2	0.4	4.65	360
401431127	2013	2	7	14	V	2.8	0.3	5.11	6
401431127	2013	2	7	15	V	1.8	0.3	5.41	5
401431127	2013	2	7	16	V	3.1	0.3	4.87	3
401431127	2013	2	7	17	V	3.3	0.3	4.88	3
401431127	2013	2	7	18	V	4.3	0.2	4.63	350
401431127	2013	2	7	19	V	2.9	0.2	4.05	358
401431127	2013	2	7	20	V	2.4	0.2	2.79	358
401431127	2013	2	7	21	V	2.6	0.2	3.97	351
401431127	2013	2	7	22	V	2.7	0.1	4.27	2
401431127	2013	2	7	23	V	3.7	0.2	3.95	2
401431127	2013	2	7	24	V	3.2	0.1	4.05	5
401431127	2013	2	8	1	V	2.3	0.1	4.14	5
401431127	2013	2	8	2	V	2.4	0.1	4.14	7
401431127	2013	2	8	3	V	1.9	0.1	3.97	1
401431127	2013	2	8	4	V	1.9	0.1	4.44	8
401431127	2013	2	8	5	V	2.1	0.1	5.14	24
401431127	2013	2	8	6	V	2.0	0.1	3.86	13

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	8	7	V	1.6	0.1	4.49	16
401431127	2013	2	8	8	V	2.4	0.2	3.58	30
401431127	2013	2	8	9	V	6.4	0.4	3.68	44
401431127	2013	2	8	10	V	5.8	0.4	3.85	54
401431127	2013	2	8	11	V	4.0	2.2	3.8	36
401431127	2013	2	8	12	V	6.6	6.1	2.47	32
401431127	2013	2	8	13	V	6.3	5.9	2.23	6
401431127	2013	2	8	14	V	2.9	3.1	2.79	20
401431127	2013	2	8	15	V	6.6	5.4	2.64	46
401431127	2013	2	8	16	V	4.4	7.8	1.21	35
401431127	2013	2	8	17	V	5.2	4.7	1.72	57
401431127	2013	2	8	18	V	15.0	0.7	1.81	48
401431127	2013	2	8	19	V	3.1	0.9	0.86	32
401431127	2013	2	8	20	V	2.5	1	1.06	19
401431127	2013	2	8	21	C	-999	2	0	0
401431127	2013	2	8	22	C	-999	1.6	0	0
401431127	2013	2	8	23	C	-999	1.1	0	0
401431127	2013	2	8	24	V	3.4	1.4	0.74	254
401431127	2013	2	9	1	C	-999	1.8	0	0
401431127	2013	2	9	2	V	4.5	1.6	0.65	218
401431127	2013	2	9	3	V	2.0	0.3	0.8	183
401431127	2013	2	9	4	V	1.9	0.2	2.66	135
401431127	2013	2	9	5	V	2.1	0.2	1.72	137
401431127	2013	2	9	6	V	2.0	0.2	1.6	160
401431127	2013	2	9	7	V	1.6	0.2	3.18	156
401431127	2013	2	9	8	V	2.4	0.2	3.35	157
401431127	2013	2	9	9	V	2.0	0.2	4.02	152
401431127	2013	2	9	10	V	2.9	0.3	5.36	149
401431127	2013	2	9	11	V	2.8	0.3	5.87	146
401431127	2013	2	9	12	V	5.3	0.3	5.99	155
401431127	2013	2	9	13	V	6.1	0.2	5.19	146
401431127	2013	2	9	14	V	2.8	0.3	5.14	145
401431127	2013	2	9	15	V	1.8	0.2	4.37	138
401431127	2013	2	9	16	V	3.1	0.2	4.48	131
401431127	2013	2	9	17	V	3.3	0.3	5.72	118
401431127	2013	2	9	18	V	4.3	0.3	4.68	137
401431127	2013	2	9	19	V	2.9	0.3	4.49	139
401431127	2013	2	9	20	V	2.4	0.3	4.43	151
401431127	2013	2	9	21	V	2.6	0.3	4.36	154
401431127	2013	2	9	22	V	2.7	0.2	4.03	148
401431127	2013	2	9	23	V	3.7	0.2	4.25	153
401431127	2013	2	9	24	V	3.2	0.2	4.39	158
401431127	2013	2	10	1	V	2.3	0.2	4.41	155
401431127	2013	2	10	2	V	2.4	0.2	3.4	157
401431127	2013	2	10	3	V	1.9	0.2	3.57	154
401431127	2013	2	10	4	V	1.9	0.2	2.71	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	10	5	V	8.1	-999	3.01	205
401431127	2013	2	10	6	V	3.8	0.2	4.12	198
401431127	2013	2	10	7	V	8.6	0.3	3.51	210
401431127	2013	2	10	8	V	2.4	0.3	3.27	232
401431127	2013	2	10	9	V	2.0	0.4	4.31	232
401431127	2013	2	10	10	V	2.9	0.3	4.87	250
401431127	2013	2	10	11	V	2.8	0.2	4.29	260
401431127	2013	2	10	12	V	5.3	0.3	4.53	263
401431127	2013	2	10	13	V	6.1	0.2	4.78	251
401431127	2013	2	10	14	V	2.8	0.3	5.1	258
401431127	2013	2	10	15	V	1.8	0.3	5.33	261
401431127	2013	2	10	16	V	3.1	0.2	5.51	260
401431127	2013	2	10	17	V	3.3	0.2	4.31	265
401431127	2013	2	10	18	V	4.3	0.3	4.36	285
401431127	2013	2	10	19	V	2.9	0.4	3.73	301
401431127	2013	2	10	20	V	2.4	0.2	4	320
401431127	2013	2	10	21	V	2.6	0.1	4.37	330
401431127	2013	2	10	22	V	2.7	0.2	2.81	330
401431127	2013	2	10	23	V	3.8	0.2	0.79	322
401431127	2013	2	10	24	V	3.4	0.2	0.75	308
401431127	2013	2	11	1	V	2.5	0.2	0.8	238
401431127	2013	2	11	2	V	2.4	0.1	1.31	319
401431127	2013	2	11	3	V	1.9	0.1	1.42	307
401431127	2013	2	11	4	V	1.9	0.2	1.5	306
401431127	2013	2	11	5	V	2.2	0.1	1.08	251
401431127	2013	2	11	6	V	2.1	0.1	1.21	308
401431127	2013	2	11	7	V	1.6	0.1	2.44	333
401431127	2013	2	11	8	V	2.4	0.9	2.1	343
401431127	2013	2	11	9	V	2.0	0.3	2.69	346
401431127	2013	2	11	10	V	3.0	0.2	3.47	360
401431127	2013	2	11	11	V	2.8	0.2	3.8	17
401431127	2013	2	11	12	V	5.4	0.2	3.46	13
401431127	2013	2	11	13	V	6.3	0.2	2.88	26
401431127	2013	2	11	14	V	3.3	0.2	2.49	30
401431127	2013	2	11	15	V	3.6	0.2	2.25	37
401431127	2013	2	11	16	V	3.1	0.3	3.08	20
401431127	2013	2	11	17	V	5.9	0.3	2.9	41
401431127	2013	2	11	18	V	4.5	0.3	2.2	38
401431127	2013	2	11	19	V	3.0	0.8	1.57	30
401431127	2013	2	11	20	V	2.5	1.1	1.06	15
401431127	2013	2	11	21	V	2.7	1.6	1.52	11
401431127	2013	2	11	22	V	2.7	1.1	1.55	24
401431127	2013	2	11	23	V	3.8	1.4	0.87	240
401431127	2013	2	11	24	V	3.3	1	1.03	336
401431127	2013	2	12	1	V	2.4	1.3	0.89	353
401431127	2013	2	12	2	V	2.4	1.6	2.35	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	12	3	V	1.9	1	2.67	16
401431127	2013	2	12	4	V	1.9	0.4	2.3	17
401431127	2013	2	12	5	V	2.1	0.2	2.18	4
401431127	2013	2	12	6	V	2.0	0.1	2.69	4
401431127	2013	2	12	7	V	1.6	0.2	3.01	23
401431127	2013	2	12	8	V	2.4	0.2	4.41	27
401431127	2013	2	12	9	V	2.0	0.3	3.74	23
401431127	2013	2	12	10	V	3.0	0.3	3.34	27
401431127	2013	2	12	11	V	2.9	0.4	3.64	22
401431127	2013	2	12	12	V	6.3	0.5	2.86	33
401431127	2013	2	12	13	V	6.3	0.4	2.04	11
401431127	2013	2	12	14	V	3.3	0.3	3.18	64
401431127	2013	2	12	15	V	1.9	0.3	2.2	14
401431127	2013	2	12	16	V	3.2	0.2	1.93	354
401431127	2013	2	12	17	V	3.4	0.2	2.69	351
401431127	2013	2	12	18	V	4.3	0.2	3.24	357
401431127	2013	2	12	19	V	2.9	0.2	3.81	4
401431127	2013	2	12	20	V	2.4	0.2	4.03	8
401431127	2013	2	12	21	V	2.6	0.1	3.18	3
401431127	2013	2	12	22	V	2.7	0.1	4.17	7
401431127	2013	2	12	23	V	3.7	0.1	3.18	7
401431127	2013	2	12	24	V	3.2	0.1	2.15	351
401431127	2013	2	13	1	V	2.3	0.1	1.64	334
401431127	2013	2	13	2	V	2.4	0.1	1.04	302
401431127	2013	2	13	3	V	1.9	0.1	1.53	283
401431127	2013	2	13	4	V	1.9	0.1	1.57	262
401431127	2013	2	13	5	V	2.1	0.1	1.71	270
401431127	2013	2	13	6	V	2.0	0.1	1.96	260
401431127	2013	2	13	7	V	1.6	0.1	2.4	244
401431127	2013	2	13	8	V	2.4	0.1	2.56	246
401431127	2013	2	13	9	V	2.0	0.1	3.12	233
401431127	2013	2	13	10	V	2.9	0.1	3.08	247
401431127	2013	2	13	11	V	2.8	0.1	3.13	252
401431127	2013	2	13	12	V	5.4	0.1	3.52	230
401431127	2013	2	13	13	V	6.2	0.2	3.18	241
401431127	2013	2	13	14	V	3.5	0.2	3.76	219
401431127	2013	2	13	15	V	1.8	0.3	3.22	251
401431127	2013	2	13	16	V	3.1	0.2	2.89	260
401431127	2013	2	13	17	V	3.3	0.3	2.96	254
401431127	2013	2	13	18	V	4.3	0.2	1.98	254
401431127	2013	2	13	19	V	2.9	0.2	1.35	247
401431127	2013	2	13	20	V	2.4	0.2	1.23	259
401431127	2013	2	13	21	V	2.6	0.2	1.45	259
401431127	2013	2	13	22	V	2.7	0.2	1.84	260
401431127	2013	2	13	23	V	3.7	0.2	1.77	239
401431127	2013	2	13	24	V	3.2	0.2	1.88	242

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	14	1	V	2.3	0.2	1.43	236
401431127	2013	2	14	2	V	2.7	0.2	0.86	226
401431127	2013	2	14	3	V	2.9	0.2	0.72	222
401431127	2013	2	14	4	V	2.0	0.2	0.69	247
401431127	2013	2	14	5	V	2.2	0.2	0.62	176
401431127	2013	2	14	6	V	2.1	0.2	0.91	176
401431127	2013	2	14	7	V	1.7	0.2	0.69	247
401431127	2013	2	14	8	V	2.5	0.4	0.94	189
401431127	2013	2	14	9	V	2.1	0.5	1.5	255
401431127	2013	2	14	10	V	3.0	0.5	2.3	323
401431127	2013	2	14	11	V	2.8	0.4	3.81	18
401431127	2013	2	14	12	V	5.6	0.3	2.71	29
401431127	2013	2	14	13	V	8.1	0.4	2.98	42
401431127	2013	2	14	14	V	2.9	0.3	2.98	24
401431127	2013	2	14	15	V	1.8	0.3	3.75	13
401431127	2013	2	14	16	V	3.1	0.3	3.61	11
401431127	2013	2	14	17	V	3.3	0.3	4.34	20
401431127	2013	2	14	18	V	4.3	0.3	4.6	14
401431127	2013	2	14	19	V	2.9	0.3	2.38	336
401431127	2013	2	14	20	V	2.4	0.3	1.59	329
401431127	2013	2	14	21	V	2.6	0.2	1.67	302
401431127	2013	2	14	22	V	2.7	0.2	2.08	321
401431127	2013	2	14	23	V	3.7	0.1	4.44	338
401431127	2013	2	14	24	V	3.2	0.2	1.77	331
401431127	2013	2	15	1	V	2.3	0.1	1.71	313
401431127	2013	2	15	2	V	2.4	0.1	3.13	323
401431127	2013	2	15	3	V	1.8	0.1	3.42	349
401431127	2013	2	15	4	V	1.9	0.1	3	334
401431127	2013	2	15	5	V	2.1	0.1	2.39	327
401431127	2013	2	15	6	V	2.0	0.1	2.52	325
401431127	2013	2	15	7	V	1.6	0.1	2.62	341
401431127	2013	2	15	8	V	2.3	0.1	4.12	350
401431127	2013	2	15	9	V	1.9	0.1	4.41	350
401431127	2013	2	15	10	V	2.9	0.1	3.86	354
401431127	2013	2	15	11	V	2.8	0.1	3.85	354
401431127	2013	2	15	12	V	5.3	0.2	4.63	359
401431127	2013	2	15	13	V	6.1	-999	4.65	15
401431127	2013	2	15	14	V	2.8	0.1	4.58	6
401431127	2013	2	15	15	V	1.8	0.1	3.59	16
401431127	2013	2	15	16	V	3.1	0.1	4.24	353
401431127	2013	2	15	17	V	3.3	0.2	3.39	346
401431127	2013	2	15	18	V	4.3	0.1	2.83	341
401431127	2013	2	15	19	V	2.9	0.2	2.33	331
401431127	2013	2	15	20	V	2.4	0.2	1.5	327
401431127	2013	2	15	21	V	2.7	0.6	0.94	286
401431127	2013	2	15	22	V	2.8	0.7	0.7	256

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	15	23	V	3.8	1	0.94	244
401431127	2013	2	15	24	V	3.2	0.9	1.37	229
401431127	2013	2	16	1	V	2.3	0.2	1.94	267
401431127	2013	2	16	2	V	2.4	0.1	3.44	301
401431127	2013	2	16	3	V	1.8	0.1	3.23	350
401431127	2013	2	16	4	V	1.9	0.1	2.11	330
401431127	2013	2	16	5	V	2.1	0.1	1.89	324
401431127	2013	2	16	6	V	2.0	0.1	1.74	305
401431127	2013	2	16	7	V	1.6	0.1	1.65	299
401431127	2013	2	16	8	V	2.4	0.1	1.23	286
401431127	2013	2	16	9	V	2.0	0.1	2.33	318
401431127	2013	2	16	10	V	2.9	0.1	3.42	337
401431127	2013	2	16	11	V	2.9	0.2	2.5	315
401431127	2013	2	16	12	V	5.4	0.2	1.86	6
401431127	2013	2	16	13	V	6.8	0.2	1.98	197
401431127	2013	2	16	14	V	2.8	4.2	2.52	170
401431127	2013	2	16	15	V	1.8	2.9	3.42	181
401431127	2013	2	16	16	V	3.1	0.3	4.73	182
401431127	2013	2	16	17	V	3.3	0.7	5.63	189
401431127	2013	2	16	18	V	4.3	0.8	4.22	183
401431127	2013	2	16	19	V	2.9	0.3	2.95	173
401431127	2013	2	16	20	V	2.4	0.4	2.61	163
401431127	2013	2	16	21	V	2.6	0.3	1.93	165
401431127	2013	2	16	22	V	2.7	0.2	1.99	170
401431127	2013	2	16	23	V	3.7	0.2	1.25	175
401431127	2013	2	16	24	V	3.2	0.2	1.7	168
401431127	2013	2	17	1	V	2.3	0.2	1.74	158
401431127	2013	2	17	2	V	2.4	0.2	1.94	159
401431127	2013	2	17	3	V	1.9	0.2	1.81	168
401431127	2013	2	17	4	V	1.9	0.3	1.91	163
401431127	2013	2	17	5	V	2.1	0.3	1.81	170
401431127	2013	2	17	6	V	2.0	0.5	1.31	180
401431127	2013	2	17	7	V	1.7	0.7	1.2	170
401431127	2013	2	17	8	V	2.4	1.1	1.38	175
401431127	2013	2	17	9	V	2.0	0.9	3.23	169
401431127	2013	2	17	10	V	2.9	0.6	4.87	185
401431127	2013	2	17	11	V	2.8	0.8	5.34	185
401431127	2013	2	17	12	V	5.3	0.9	5.67	187
401431127	2013	2	17	13	V	6.1	0.9	5.17	183
401431127	2013	2	17	14	V	2.8	0.8	5.75	189
401431127	2013	2	17	15	V	1.8	0.9	6.67	187
401431127	2013	2	17	16	V	3.1	1.3	8.05	186
401431127	2013	2	17	17	V	3.3	1.1	7.43	187
401431127	2013	2	17	18	V	4.4	0.8	5.87	188
401431127	2013	2	17	19	V	2.9	0.4	6.11	184
401431127	2013	2	17	20	V	2.3	0.4	6.14	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	17	21	V	2.6	0.4	6.97	177
401431127	2013	2	17	22	V	2.6	0.5	7.96	180
401431127	2013	2	17	23	V	3.7	0.8	9.05	185
401431127	2013	2	17	24	V	3.4	0.8	7.03	190
401431127	2013	2	18	1	V	2.8	0.8	9	195
401431127	2013	2	18	2	V	2.5	0.7	9.08	191
401431127	2013	2	18	3	V	2.1	0.6	8.71	192
401431127	2013	2	18	4	V	1.9	0.5	9.05	188
401431127	2013	2	18	5	V	2.2	0.4	8.27	189
401431127	2013	2	18	6	V	2.0	0.3	8.11	186
401431127	2013	2	18	7	V	1.8	0.3	7.69	191
401431127	2013	2	18	8	V	2.9	0.3	7.79	194
401431127	2013	2	18	9	V	2.0	0.4	7.83	196
401431127	2013	2	18	10	V	3.0	1.2	7.65	198
401431127	2013	2	18	11	V	3.1	1.9	7.81	201
401431127	2013	2	18	12	V	5.3	0.4	6.48	257
401431127	2013	2	18	13	V	6.1	0.6	6.89	282
401431127	2013	2	18	14	V	2.8	0.4	6.5	300
401431127	2013	2	18	15	V	1.8	0.2	6.52	313
401431127	2013	2	18	16	V	3.1	0.2	6.45	314
401431127	2013	2	18	17	V	3.3	0.2	6.14	323
401431127	2013	2	18	18	V	4.3	0.2	5.39	336
401431127	2013	2	18	19	V	2.9	0.2	2.11	328
401431127	2013	2	18	20	V	2.4	0.2	2.47	335
401431127	2013	2	18	21	V	2.6	0.2	3.47	351
401431127	2013	2	18	22	V	2.6	0.1	3.98	358
401431127	2013	2	18	23	V	3.7	0.2	3.3	13
401431127	2013	2	18	24	V	3.2	0.1	3.56	19
401431127	2013	2	19	1	V	2.3	0.1	1.57	11
401431127	2013	2	19	2	V	2.3	0.2	2.98	28
401431127	2013	2	19	3	V	1.9	0.1	1.33	329
401431127	2013	2	19	4	V	2.0	0.2	0.92	308
401431127	2013	2	19	5	V	2.1	0.2	1.03	339
401431127	2013	2	19	6	V	2.1	0.5	0.67	279
401431127	2013	2	19	7	V	1.7	0.7	0.75	267
401431127	2013	2	19	8	V	2.5	1.9	0.7	265
401431127	2013	2	19	9	V	2.3	1.3	0.94	243
401431127	2013	2	19	10	V	3.2	0.1	1.48	294
401431127	2013	2	19	11	V	2.9	0.2	2.91	358
401431127	2013	2	19	12	V	5.3	0.2	3.64	12
401431127	2013	2	19	13	V	6.2	0.2	2.54	358
401431127	2013	2	19	14	V	4.0	0.2	3.44	37
401431127	2013	2	19	15	V	4.3	0.2	2.71	52
401431127	2013	2	19	16	V	4.7	0.2	2.35	56
401431127	2013	2	19	17	V	5.9	0.2	1.76	48
401431127	2013	2	19	18	V	4.4	0.2	1.5	31

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	19	19	V	2.9	0.4	3.17	96
401431127	2013	2	19	20	V	2.4	0.8	2.74	105
401431127	2013	2	19	21	V	2.6	0.8	2.47	84
401431127	2013	2	19	22	V	2.7	0.5	2.52	83
401431127	2013	2	19	23	V	3.7	0.4	2.01	89
401431127	2013	2	19	24	V	3.2	0.3	2.13	88
401431127	2013	2	20	1	V	2.3	0.4	2.52	72
401431127	2013	2	20	2	V	2.4	0.2	2.84	73
401431127	2013	2	20	3	V	1.9	0.2	3.46	84
401431127	2013	2	20	4	V	1.9	0.2	3.03	85
401431127	2013	2	20	5	V	2.1	0.7	2.57	79
401431127	2013	2	20	6	V	2.0	0.9	3.23	87
401431127	2013	2	20	7	V	1.6	0.8	2.11	58
401431127	2013	2	20	8	V	9.4	0.5	1.43	44
401431127	2013	2	20	9	V	2.2	0.2	2.44	65
401431127	2013	2	20	10	V	9.9	0.3	2.11	46
401431127	2013	2	20	11	V	2.9	0.3	2.46	79
401431127	2013	2	20	12	V	5.3	0.3	3.69	73
401431127	2013	2	20	13	V	6.2	0.2	4.36	93
401431127	2013	2	20	14	V	2.8	0.2	3.46	89
401431127	2013	2	20	15	V	1.8	0.3	3.81	67
401431127	2013	2	20	16	V	3.1	0.2	3.98	81
401431127	2013	2	20	17	V	3.3	0.2	3.49	95
401431127	2013	2	20	18	V	4.3	0.2	3.17	99
401431127	2013	2	20	19	V	2.9	0.2	3.64	111
401431127	2013	2	20	20	V	2.4	0.1	3.42	114
401431127	2013	2	20	21	V	2.6	0.2	3.9	115
401431127	2013	2	20	22	V	2.7	0.1	4.54	118
401431127	2013	2	20	23	V	3.7	0.1	4.46	111
401431127	2013	2	20	24	V	3.2	0.1	4.94	108
401431127	2013	2	21	1	V	2.3	0.1	4.73	102
401431127	2013	2	21	2	V	2.4	0.1	5.21	81
401431127	2013	2	21	3	V	1.9	0.1	5.62	81
401431127	2013	2	21	4	V	1.9	0.1	5.34	93
401431127	2013	2	21	5	V	2.1	0.1	5.29	100
401431127	2013	2	21	6	V	2.0	0.2	3.97	93
401431127	2013	2	21	7	V	1.6	0.2	2.08	357
401431127	2013	2	21	8	V	2.4	0.2	2.71	1
401431127	2013	2	21	9	V	2.0	0.2	3.66	28
401431127	2013	2	21	10	V	3.8	0.2	2.93	58
401431127	2013	2	21	11	V	2.8	0.2	4.48	87
401431127	2013	2	21	12	V	5.3	0.2	4.56	96
401431127	2013	2	21	13	V	6.1	0.2	5.07	132
401431127	2013	2	21	14	V	2.8	0.2	4.29	143
401431127	2013	2	21	15	V	1.8	0.2	3.68	168
401431127	2013	2	21	16	V	3.2	0.2	2.81	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	21	17	V	3.3	0.2	2.49	184
401431127	2013	2	21	18	V	4.5	0.3	1.79	192
401431127	2013	2	21	19	V	11.9	0.3	1.4	210
401431127	2013	2	21	20	V	2.4	0.2	2.25	245
401431127	2013	2	21	21	V	2.6	0.2	3.01	264
401431127	2013	2	21	22	V	2.7	0.2	3.9	277
401431127	2013	2	21	23	V	3.7	0.3	3.44	271
401431127	2013	2	21	24	V	3.2	0.5	3.69	275
401431127	2013	2	22	1	V	2.3	0.3	3.58	282
401431127	2013	2	22	2	V	2.4	0.2	2.71	279
401431127	2013	2	22	3	V	1.9	0.2	2.32	292
401431127	2013	2	22	4	V	1.9	0.2	2.27	292
401431127	2013	2	22	5	V	2.1	0.2	1.96	260
401431127	2013	2	22	6	V	2.0	0.1	1.69	296
401431127	2013	2	22	7	V	1.7	0.1	1.3	265
401431127	2013	2	22	8	V	2.4	0.2	1.43	279
401431127	2013	2	22	9	V	2.0	0.4	2.06	277
401431127	2013	2	22	10	V	3.0	0.4	2.86	310
401431127	2013	2	22	11	V	2.9	0.4	2.88	318
401431127	2013	2	22	12	V	5.4	0.5	2.64	299
401431127	2013	2	22	13	V	6.2	0.5	2.98	293
401431127	2013	2	22	14	V	2.9	0.5	2.66	321
401431127	2013	2	22	15	V	1.9	0.5	2.64	328
401431127	2013	2	22	16	V	3.2	0.4	2.76	320
401431127	2013	2	22	17	V	3.4	0.4	2.66	330
401431127	2013	2	22	18	V	4.3	0.3	2.59	345
401431127	2013	2	22	19	V	2.9	0.3	2.18	338
401431127	2013	2	22	20	V	2.4	0.2	1.94	339
401431127	2013	2	22	21	V	2.6	0.2	2.06	332
401431127	2013	2	22	22	V	2.7	0.1	1.48	315
401431127	2013	2	22	23	V	3.8	0.2	0.89	325
401431127	2013	2	22	24	V	3.4	0.1	0.79	344
401431127	2013	2	23	1	V	2.4	0.1	1.03	352
401431127	2013	2	23	2	V	2.5	0.1	0.79	347
401431127	2013	2	23	3	V	2.0	0.1	0.84	7
401431127	2013	2	23	4	V	2.0	0.1	1.18	329
401431127	2013	2	23	5	V	2.1	0.1	1.25	323
401431127	2013	2	23	6	V	2.1	0.1	1.04	318
401431127	2013	2	23	7	V	1.8	0.2	0.67	290
401431127	2013	2	23	8	V	2.5	0.4	0.75	303
401431127	2013	2	23	9	V	2.2	0.3	1.55	17
401431127	2013	2	23	10	V	3.9	0.2	1.09	68
401431127	2013	2	23	11	V	3.2	0.3	1.2	82
401431127	2013	2	23	12	V	5.7	0.2	1.48	179
401431127	2013	2	23	13	V	6.4	10.9	1.64	165
401431127	2013	2	23	14	V	3.0	5.9	2.4	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	23	15	V	2.0	5.9	1.55	154
401431127	2013	2	23	16	V	3.3	4.8	1.6	128
401431127	2013	2	23	17	V	3.5	3.4	1.16	121
401431127	2013	2	23	18	V	4.3	3.1	1.67	105
401431127	2013	2	23	19	V	2.9	1.1	1.79	156
401431127	2013	2	23	20	V	2.4	0.6	1.54	135
401431127	2013	2	23	21	V	2.8	1.4	0.63	163
401431127	2013	2	23	22	C	-999	1.6	0	0
401431127	2013	2	23	23	V	3.9	2.2	0.6	302
401431127	2013	2	23	24	V	3.4	1.5	0.57	310
401431127	2013	2	24	1	C	-999	1.8	0	0
401431127	2013	2	24	2	V	2.6	2.2	0.58	78
401431127	2013	2	24	3	V	2.0	1.1	0.75	18
401431127	2013	2	24	4	V	2.0	1.1	0.86	84
401431127	2013	2	24	5	V	2.2	-999	1.11	71
401431127	2013	2	24	6	V	2.1	1	0.79	251
401431127	2013	2	24	7	V	2.5	1	0.57	44
401431127	2013	2	24	8	V	2.5	1.2	0.79	231
401431127	2013	2	24	9	V	2.2	1.1	1.31	166
401431127	2013	2	24	10	V	3.0	0.6	3.8	148
401431127	2013	2	24	11	V	2.8	0.7	4.78	150
401431127	2013	2	24	12	V	5.3	0.8	5.97	163
401431127	2013	2	24	13	V	6.1	0.7	6.18	163
401431127	2013	2	24	14	V	2.8	0.7	6.57	149
401431127	2013	2	24	15	V	1.8	0.6	6.74	141
401431127	2013	2	24	16	V	3.1	0.7	7.23	129
401431127	2013	2	24	17	V	3.3	0.8	7.57	117
401431127	2013	2	24	18	V	4.3	0.7	5.02	131
401431127	2013	2	24	19	V	2.9	1.6	4.07	122
401431127	2013	2	24	20	V	2.4	0.8	3.01	114
401431127	2013	2	24	21	V	2.6	0.5	2.5	105
401431127	2013	2	24	22	V	2.7	0.6	3	107
401431127	2013	2	24	23	V	3.7	0.4	2.47	59
401431127	2013	2	24	24	V	9.6	0.4	2.69	49
401431127	2013	2	25	1	V	2.3	0.4	3.13	94
401431127	2013	2	25	2	V	2.4	0.4	3.69	97
401431127	2013	2	25	3	V	1.9	0.4	3.81	86
401431127	2013	2	25	4	V	1.9	0.5	2.95	67
401431127	2013	2	25	5	V	3.2	0.5	3.34	41
401431127	2013	2	25	6	V	5.7	0.4	4.41	44
401431127	2013	2	25	7	V	2.0	0.4	3.76	39
401431127	2013	2	25	8	V	2.4	0.3	4.16	9
401431127	2013	2	25	9	M	-999	0.2	999	999
401431127	2013	2	25	10	V	2.9	0.2	5.22	357
401431127	2013	2	25	11	V	2.8	0.2	3.83	354
401431127	2013	2	25	12	V	5.3	0.2	8.11	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	25	13	V	6.2	0.3	8.05	38
401431127	2013	2	25	14	V	3.2	0.3	7.69	40
401431127	2013	2	25	15	V	2.5	0.3	8.59	42
401431127	2013	2	25	16	V	3.5	0.4	9.2	41
401431127	2013	2	25	17	V	3.8	0.4	7.21	41
401431127	2013	2	25	18	V	4.3	0.3	6.4	33
401431127	2013	2	25	19	V	2.9	0.3	5.51	24
401431127	2013	2	25	20	V	2.4	0.2	4.63	11
401431127	2013	2	25	21	V	2.6	0.2	4.36	5
401431127	2013	2	25	22	V	2.7	0.2	5.14	1
401431127	2013	2	25	23	V	3.7	0.2	5.9	359
401431127	2013	2	25	24	V	3.2	0.2	6.09	358
401431127	2013	2	26	1	V	2.3	0.2	5.7	353
401431127	2013	2	26	2	V	2.4	0.2	4.99	346
401431127	2013	2	26	3	V	1.9	0.2	5.12	340
401431127	2013	2	26	4	V	1.9	0.2	4.29	328
401431127	2013	2	26	5	V	2.1	0.2	4.8	331
401431127	2013	2	26	6	V	2.0	0.2	5.1	330
401431127	2013	2	26	7	V	1.6	0.2	4.82	332
401431127	2013	2	26	8	V	2.4	0.2	4.34	327
401431127	2013	2	26	9	V	1.9	0.2	4.15	321
401431127	2013	2	26	10	V	2.9	0.2	4.34	325
401431127	2013	2	26	11	V	2.8	0.2	4.87	309
401431127	2013	2	26	12	V	5.3	0.2	5.16	319
401431127	2013	2	26	13	V	6.1	0.2	4.93	326
401431127	2013	2	26	14	V	2.8	0.2	4.12	325
401431127	2013	2	26	15	V	1.8	0.2	3.69	309
401431127	2013	2	26	16	V	3.1	0.2	3.95	306
401431127	2013	2	26	17	V	3.3	0.2	3.9	315
401431127	2013	2	26	18	V	4.3	0.2	3.22	324
401431127	2013	2	26	19	V	2.9	0.2	2.54	326
401431127	2013	2	26	20	V	2.4	0.2	2.55	316
401431127	2013	2	26	21	V	2.6	0.1	2.3	307
401431127	2013	2	26	22	V	2.7	0.2	1.64	350
401431127	2013	2	26	23	V	3.8	0.1	1.35	313
401431127	2013	2	26	24	V	3.3	0.1	1.13	304
401431127	2013	2	27	1	V	2.4	0.1	0.89	288
401431127	2013	2	27	2	V	2.4	0.2	1.5	306
401431127	2013	2	27	3	V	1.9	0.1	2.03	298
401431127	2013	2	27	4	V	1.9	0.1	2.23	301
401431127	2013	2	27	5	V	2.1	0.2	1.77	300
401431127	2013	2	27	6	V	2.0	0.2	1.77	283
401431127	2013	2	27	7	V	1.6	0.1	1.87	284
401431127	2013	2	27	8	V	2.4	0.1	2.27	288
401431127	2013	2	27	9	V	2.0	0.1	2.73	299
401431127	2013	2	27	10	V	3.0	0.2	3.13	296

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	2	27	11	V	2.8	0.1	3.93	308
401431127	2013	2	27	12	V	5.3	0.2	4.58	309
401431127	2013	2	27	13	V	6.2	0.2	4.7	301
401431127	2013	2	27	14	V	2.8	0.2	4.78	299
401431127	2013	2	27	15	V	1.8	0.1	5.36	300
401431127	2013	2	27	16	V	3.1	0.2	5.51	306
401431127	2013	2	27	17	V	3.3	0.2	5.19	328
401431127	2013	2	27	18	V	4.3	0.2	4.29	322
401431127	2013	2	27	19	V	2.9	0.2	2.79	316
401431127	2013	2	27	20	V	2.4	0.1	2.69	304
401431127	2013	2	27	21	V	2.6	0.1	2.86	298
401431127	2013	2	27	22	V	2.7	0.1	2.88	296
401431127	2013	2	27	23	V	3.7	0.1	3.12	308
401431127	2013	2	27	24	V	3.2	0.1	2.96	308
401431127	2013	2	28	1	V	2.3	0.1	2.35	318
401431127	2013	2	28	2	V	2.4	0.1	1.67	305
401431127	2013	2	28	3	V	2.0	0.1	1.08	271
401431127	2013	2	28	4	V	2.0	0.1	1.09	228
401431127	2013	2	28	5	V	2.4	0.1	1.21	223
401431127	2013	2	28	6	V	2.1	0.1	1.18	280
401431127	2013	2	28	7	V	1.7	0.1	1.55	275
401431127	2013	2	28	8	V	2.4	0.1	1.98	293
401431127	2013	2	28	9	V	2.0	0.1	3.01	308
401431127	2013	2	28	10	V	3.0	0.1	3.95	332
401431127	2013	2	28	11	V	2.8	0.1	4.07	332
401431127	2013	2	28	12	V	5.3	0.1	4.19	314
401431127	2013	2	28	13	V	6.2	0.1	4.19	315
401431127	2013	2	28	14	V	2.8	0.1	4.14	320
401431127	2013	2	28	15	V	1.8	0.2	4.15	329
401431127	2013	2	28	16	V	3.1	0.1	4.15	341
401431127	2013	2	28	17	V	3.3	0.1	4.39	360
401431127	2013	2	28	18	V	4.3	0.1	3.97	4
401431127	2013	2	28	19	V	2.9	0.1	3.75	350
401431127	2013	2	28	20	V	2.4	0.1	4.19	5
401431127	2013	2	28	21	V	2.6	0.1	2.96	354
401431127	2013	2	28	22	V	2.7	0.1	2.91	353
401431127	2013	2	28	23	V	3.7	0.1	3.37	347
401431127	2013	2	28	24	V	3.2	0.1	3.35	348
401431127	2013	3	1	1	V	1.3	0.1	3.08	347
401431127	2013	3	1	2	V	0.9	0.1	3.46	354
401431127	2013	3	1	3	V	0.4	0.1	3.1	342
401431127	2013	3	1	4	V	0.5	0.1	3.15	351
401431127	2013	3	1	5	V	1.4	0	3.64	348
401431127	2013	3	1	6	V	0.5	0.1	2.32	341
401431127	2013	3	1	7	V	1.1	0	2.61	331
401431127	2013	3	1	8	V	3.9	0.1	2.44	318

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	1	9	V	1.3	0.1	3.3	328
401431127	2013	3	1	10	V	2.4	0.1	4.48	345
401431127	2013	3	1	11	V	1.9	0.1	3.69	344
401431127	2013	3	1	12	V	2.2	0.1	3.85	357
401431127	2013	3	1	13	V	2.3	-999	3.97	353
401431127	2013	3	1	14	V	2.3	-999	4.37	355
401431127	2013	3	1	15	V	1.7	0.1	4.61	342
401431127	2013	3	1	16	V	2.0	0.1	4.78	330
401431127	2013	3	1	17	V	3.6	0.1	4.37	331
401431127	2013	3	1	18	V	3.7	0.1	4.22	348
401431127	2013	3	1	19	V	1.5	0.1	4.37	345
401431127	2013	3	1	20	V	2.9	0.1	5.16	8
401431127	2013	3	1	21	V	2.7	0.1	4.63	8
401431127	2013	3	1	22	V	1.4	0.1	4.97	5
401431127	2013	3	1	23	V	1.1	0	3.93	354
401431127	2013	3	1	24	V	1.5	0	3.2	350
401431127	2013	3	2	1	V	1.3	0.1	4.03	355
401431127	2013	3	2	2	V	0.9	0	3.91	357
401431127	2013	3	2	3	V	0.4	0.1	4.39	358
401431127	2013	3	2	4	V	0.5	0	3.2	350
401431127	2013	3	2	5	V	1.4	0.1	3.2	332
401431127	2013	3	2	6	V	0.5	0	2.15	315
401431127	2013	3	2	7	V	1.1	0	1.62	311
401431127	2013	3	2	8	V	3.9	0	1.99	328
401431127	2013	3	2	9	V	1.3	0.1	3.58	360
401431127	2013	3	2	10	V	2.4	0.1	3.64	350
401431127	2013	3	2	11	V	1.9	0.1	3.15	346
401431127	2013	3	2	12	V	2.3	0.1	2.89	7
401431127	2013	3	2	13	V	2.5	0.1	1.88	328
401431127	2013	3	2	14	V	3.1	0.1	2.79	32
401431127	2013	3	2	15	V	1.8	0.2	2.33	328
401431127	2013	3	2	16	V	2.0	0.2	2.62	338
401431127	2013	3	2	17	V	3.7	0.2	2.55	319
401431127	2013	3	2	18	V	3.7	0.1	1.74	343
401431127	2013	3	2	19	V	1.6	0.2	0.86	325
401431127	2013	3	2	20	V	3.3	0.4	0.77	192
401431127	2013	3	2	21	C	-999	1	0	0
401431127	2013	3	2	22	V	1.6	1.4	0.55	160
401431127	2013	3	2	23	V	5.4	1.9	0.84	207
401431127	2013	3	2	24	C	-999	2.1	0	0
401431127	2013	3	3	1	V	1.4	2.5	0.87	178
401431127	2013	3	3	2	C	-999	1.9	0	0
401431127	2013	3	3	3	C	-999	1.4	0	0
401431127	2013	3	3	4	V	2.1	1	0.53	218
401431127	2013	3	3	5	C	-999	0.8	0	0
401431127	2013	3	3	6	V	0.5	0.4	1.69	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	3	7	V	1.1	0.4	2.5	165
401431127	2013	3	3	8	V	3.9	0.3	2.74	167
401431127	2013	3	3	9	V	1.3	0.3	4.61	171
401431127	2013	3	3	10	V	2.4	0.3	6.7	187
401431127	2013	3	3	11	V	1.9	0.3	8.44	188
401431127	2013	3	3	12	V	2.2	0.3	7.81	180
401431127	2013	3	3	13	V	2.3	0.4	6.69	181
401431127	2013	3	3	14	V	2.3	0.4	6.46	182
401431127	2013	3	3	15	V	1.7	0.5	6.28	182
401431127	2013	3	3	16	V	2.0	0.7	6.69	175
401431127	2013	3	3	17	V	3.6	0.9	6.77	166
401431127	2013	3	3	18	V	3.7	1.3	6.65	165
401431127	2013	3	3	19	V	1.5	2.4	5.04	160
401431127	2013	3	3	20	V	2.9	2.7	5.43	159
401431127	2013	3	3	21	V	2.7	2.1	5.5	159
401431127	2013	3	3	22	V	1.4	2.1	4.88	160
401431127	2013	3	3	23	V	1.0	1.8	5	153
401431127	2013	3	3	24	V	1.4	1.6	4.65	155
401431127	2013	3	4	1	V	1.3	1.1	3.98	156
401431127	2013	3	4	2	V	0.9	1	3.29	158
401431127	2013	3	4	3	V	0.4	0.9	3.1	157
401431127	2013	3	4	4	V	0.5	0.6	4.24	168
401431127	2013	3	4	5	V	1.4	0.4	3.52	161
401431127	2013	3	4	6	V	0.5	0.4	3.18	156
401431127	2013	3	4	7	V	1.1	0.5	4.1	163
401431127	2013	3	4	8	V	3.9	0.5	2.89	162
401431127	2013	3	4	9	V	1.3	0.7	3.81	158
401431127	2013	3	4	10	V	2.4	0.7	4.6	166
401431127	2013	3	4	11	V	1.9	0.6	4.22	177
401431127	2013	3	4	12	V	2.3	0.7	3.17	172
401431127	2013	3	4	13	V	2.5	1.3	2.27	181
401431127	2013	3	4	14	V	2.5	0.8	2.1	149
401431127	2013	3	4	15	V	1.8	0.7	1.81	153
401431127	2013	3	4	16	V	2.3	1.6	1.26	334
401431127	2013	3	4	17	V	3.7	2.9	1.64	304
401431127	2013	3	4	18	V	3.7	1.3	2.08	307
401431127	2013	3	4	19	V	1.5	0.8	2.76	337
401431127	2013	3	4	20	V	2.9	0.5	5.07	347
401431127	2013	3	4	21	V	2.7	0.4	4.88	346
401431127	2013	3	4	22	V	1.4	0.3	5.65	348
401431127	2013	3	4	23	V	1.0	0.2	6.07	344
401431127	2013	3	4	24	V	1.4	0.3	6.67	350
401431127	2013	3	5	1	V	1.3	0.2	5.46	352
401431127	2013	3	5	2	V	0.9	0.2	5.97	346
401431127	2013	3	5	3	V	0.4	0.1	4.17	340
401431127	2013	3	5	4	V	0.5	0.1	3.37	344

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	5	5	V	1.4	0.1	3.58	327
401431127	2013	3	5	6	V	0.5	0.1	4.68	328
401431127	2013	3	5	7	V	1.1	0.1	4.8	338
401431127	2013	3	5	8	V	3.9	0.1	5.87	335
401431127	2013	3	5	9	V	1.2	0.1	5.94	338
401431127	2013	3	5	10	V	2.4	0.1	6.18	328
401431127	2013	3	5	11	V	1.9	0.1	6.06	323
401431127	2013	3	5	12	V	2.2	0.1	5.79	321
401431127	2013	3	5	13	V	2.3	0.2	5.65	313
401431127	2013	3	5	14	V	2.3	0.2	4.85	304
401431127	2013	3	5	15	V	1.7	0.2	5.19	317
401431127	2013	3	5	16	V	2.0	0.2	5.31	316
401431127	2013	3	5	17	V	3.6	0.2	4.66	317
401431127	2013	3	5	18	V	3.7	0.2	4.71	312
401431127	2013	3	5	19	V	1.5	0.2	3.13	305
401431127	2013	3	5	20	V	2.9	0.1	2.3	312
401431127	2013	3	5	21	V	2.7	0.1	2.54	320
401431127	2013	3	5	22	V	1.4	0.1	2.42	325
401431127	2013	3	5	23	V	1.1	0.1	2.22	321
401431127	2013	3	5	24	V	1.5	0.1	2.71	338
401431127	2013	3	6	1	V	1.3	0	2.4	332
401431127	2013	3	6	2	V	0.9	0.1	2.88	350
401431127	2013	3	6	3	V	0.4	0.1	2.15	348
401431127	2013	3	6	4	V	0.5	0	2.38	348
401431127	2013	3	6	5	V	1.4	0.1	2.67	354
401431127	2013	3	6	6	V	0.5	0.1	2.28	10
401431127	2013	3	6	7	V	1.1	0.1	1.76	3
401431127	2013	3	6	8	V	3.9	0.2	3.34	24
401431127	2013	3	6	9	V	6.1	0.3	4.54	50
401431127	2013	3	6	10	V	6.9	1.4	2.32	49
401431127	2013	3	6	11	V	2.2	2.8	1.43	352
401431127	2013	3	6	12	V	2.4	3.3	1.96	81
401431127	2013	3	6	13	V	4.4	0.9	2.11	54
401431127	2013	3	6	14	V	2.5	0.4	1.86	136
401431127	2013	3	6	15	V	2.0	0.5	1.35	168
401431127	2013	3	6	16	V	2.3	1.2	1.3	98
401431127	2013	3	6	17	V	3.8	2.7	1.31	103
401431127	2013	3	6	18	V	3.7	5.4	1.91	136
401431127	2013	3	6	19	V	1.5	4.6	1.57	163
401431127	2013	3	6	20	V	2.9	4.1	2.79	120
401431127	2013	3	6	21	V	2.7	3.5	2.15	131
401431127	2013	3	6	22	V	1.4	0.8	1.93	118
401431127	2013	3	6	23	V	1.1	0.6	1.88	98
401431127	2013	3	6	24	V	1.5	0.5	2.25	88
401431127	2013	3	7	1	V	1.3	0.5	1.6	68
401431127	2013	3	7	2	V	1.0	0.2	1.35	18

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	7	3	V	0.6	0.5	0.65	66
401431127	2013	3	7	4	V	0.6	0.2	1.3	80
401431127	2013	3	7	5	V	1.4	0.3	2.13	109
401431127	2013	3	7	6	V	0.6	0.6	1.35	164
401431127	2013	3	7	7	V	1.1	0.5	1.37	175
401431127	2013	3	7	8	V	4.0	0.5	1.81	178
401431127	2013	3	7	9	V	1.3	0.7	4.27	163
401431127	2013	3	7	10	V	2.4	0.9	6.13	168
401431127	2013	3	7	11	V	1.9	0.9	6.36	165
401431127	2013	3	7	12	V	2.2	1.3	6.8	167
401431127	2013	3	7	13	V	2.3	1.5	6.97	168
401431127	2013	3	7	14	V	2.3	1.5	6.81	167
401431127	2013	3	7	15	V	1.7	1.6	6.89	166
401431127	2013	3	7	16	V	2.0	1.6	7.25	167
401431127	2013	3	7	17	V	3.6	1.3	6.8	166
401431127	2013	3	7	18	V	3.7	1.1	6.23	164
401431127	2013	3	7	19	V	1.5	1	3.95	157
401431127	2013	3	7	20	V	2.9	1.2	4.39	159
401431127	2013	3	7	21	V	2.7	1.4	4.66	169
401431127	2013	3	7	22	V	1.4	1.1	4.49	168
401431127	2013	3	7	23	V	1.1	0.9	3.13	163
401431127	2013	3	7	24	V	1.5	0.8	3.1	175
401431127	2013	3	8	1	V	1.3	0.8	2.2	176
401431127	2013	3	8	2	V	0.9	0.7	2.83	160
401431127	2013	3	8	3	V	0.4	0.6	2.55	134
401431127	2013	3	8	4	V	0.6	0.6	1.84	115
401431127	2013	3	8	5	V	1.4	0.7	2.56	122
401431127	2013	3	8	6	V	0.5	0.8	3.52	131
401431127	2013	3	8	7	V	1.0	0.7	3.83	139
401431127	2013	3	8	8	V	3.9	0.6	4.32	145
401431127	2013	3	8	9	V	1.3	0.8	4.99	145
401431127	2013	3	8	10	V	2.4	0.9	5.09	153
401431127	2013	3	8	11	V	1.9	1	4.83	165
401431127	2013	3	8	12	V	2.2	1	6.53	162
401431127	2013	3	8	13	V	2.3	0.7	6.45	164
401431127	2013	3	8	14	V	2.3	0.6	6.33	158
401431127	2013	3	8	15	V	1.7	0.8	5.34	154
401431127	2013	3	8	16	V	2.0	0.8	5.44	154
401431127	2013	3	8	17	V	3.6	0.9	5.84	161
401431127	2013	3	8	18	V	3.7	1.2	4.71	162
401431127	2013	3	8	19	V	1.5	1.4	4.61	162
401431127	2013	3	8	20	V	2.9	1.1	5.17	163
401431127	2013	3	8	21	V	2.7	1	4.26	163
401431127	2013	3	8	22	V	1.4	0.9	3.97	160
401431127	2013	3	8	23	V	1.1	0.8	5.39	159
401431127	2013	3	8	24	V	1.4	0.8	5.5	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	9	1	V	1.3	0.8	4.59	159
401431127	2013	3	9	2	V	0.9	0.7	4.65	165
401431127	2013	3	9	3	V	0.4	0.8	3.34	166
401431127	2013	3	9	4	V	0.5	0.7	2.66	144
401431127	2013	3	9	5	V	1.4	0.7	3.25	140
401431127	2013	3	9	6	V	0.5	0.8	3.2	146
401431127	2013	3	9	7	V	1.1	0.9	3.25	154
401431127	2013	3	9	8	V	3.9	0.9	3.57	151
401431127	2013	3	9	9	V	1.3	0.9	3.85	149
401431127	2013	3	9	10	V	2.4	0.9	5.38	166
401431127	2013	3	9	11	V	1.9	0.6	6.87	168
401431127	2013	3	9	12	V	2.2	0.6	8.4	172
401431127	2013	3	9	13	V	2.3	0.5	8.45	174
401431127	2013	3	9	14	V	2.3	0.4	7.21	169
401431127	2013	3	9	15	V	1.7	0.4	6.38	163
401431127	2013	3	9	16	V	2.0	0.4	5.67	162
401431127	2013	3	9	17	V	3.6	0.3	4.54	168
401431127	2013	3	9	18	V	3.7	0.3	4.36	161
401431127	2013	3	9	19	V	1.5	0.3	4.49	179
401431127	2013	3	9	20	V	2.9	0.4	3.27	167
401431127	2013	3	9	21	V	2.7	0.3	1.86	181
401431127	2013	3	9	22	V	1.4	0.3	2.57	158
401431127	2013	3	9	23	V	1.1	0.3	1.93	179
401431127	2013	3	9	24	V	1.5	0.3	2.2	177
401431127	2013	3	10	1	V	6.1	0.4	2.23	213
401431127	2013	3	10	2	V	0.9	0.6	2.28	185
401431127	2013	3	10	3	V	0.8	0.5	4.75	192
401431127	2013	3	10	4	V	0.5	0.7	3.54	180
401431127	2013	3	10	5	V	2.4	0.5	4.2	196
401431127	2013	3	10	6	V	0.5	0.3	3.85	296
401431127	2013	3	10	7	V	1.1	0.3	3.98	306
401431127	2013	3	10	8	V	3.9	0.3	2.86	297
401431127	2013	3	10	9	V	1.3	0.2	1.76	255
401431127	2013	3	10	10	V	2.4	0.3	3.86	290
401431127	2013	3	10	11	M	-999	0.2	3.36	999
401431127	2013	3	10	12	M	-999	0.2	3.36	999
401431127	2013	3	10	13	V	2.3	0.2	3.86	299
401431127	2013	3	10	14	V	2.3	0.2	6.46	296
401431127	2013	3	10	15	V	1.7	0.2	3.86	300
401431127	2013	3	10	16	V	2.0	0.2	4.36	328
401431127	2013	3	10	17	V	3.6	0.2	3.86	328
401431127	2013	3	10	18	M	-999	0.2	3.36	999
401431127	2013	3	10	19	V	1.5	0.1	4.14	333
401431127	2013	3	10	20	V	2.9	0.1	3.66	329
401431127	2013	3	10	21	V	2.7	0.1	3.75	316
401431127	2013	3	10	22	V	1.4	0.1	3.54	311

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	10	23	V	1.1	0.1	3.56	306
401431127	2013	3	10	24	V	1.5	0.1	3.07	306
401431127	2013	3	11	1	V	1.3	0.1	2.54	305
401431127	2013	3	11	2	V	0.9	0.1	2.54	322
401431127	2013	3	11	3	V	0.4	0.1	1.89	326
401431127	2013	3	11	4	V	0.5	0.2	2.73	312
401431127	2013	3	11	5	V	1.4	0.1	1.84	324
401431127	2013	3	11	6	V	0.6	0.1	1.08	257
401431127	2013	3	11	7	V	1.1	0.1	1.64	254
401431127	2013	3	11	8	V	3.9	0.2	2.28	281
401431127	2013	3	11	9	V	1.3	0.2	3.47	315
401431127	2013	3	11	10	V	2.4	0.2	3.58	306
401431127	2013	3	11	11	V	1.9	0.2	3.59	285
401431127	2013	3	11	12	V	2.2	0.2	3.52	286
401431127	2013	3	11	13	V	2.3	0.2	3.34	292
401431127	2013	3	11	14	V	2.3	0.2	3.22	294
401431127	2013	3	11	15	V	1.7	0.3	3.66	304
401431127	2013	3	11	16	V	2.0	0.2	3.2	300
401431127	2013	3	11	17	V	3.6	0.2	3.29	315
401431127	2013	3	11	18	V	3.7	0.2	2.15	290
401431127	2013	3	11	19	V	1.5	0.3	1.16	284
401431127	2013	3	11	20	V	3.0	0.5	0.75	291
401431127	2013	3	11	21	V	2.8	0.8	0.7	307
401431127	2013	3	11	22	V	1.5	1.4	0.67	330
401431127	2013	3	11	23	V	1.1	1.5	0.82	246
401431127	2013	3	11	24	V	1.5	0.9	1.23	270
401431127	2013	3	12	1	V	1.4	1.3	1.04	333
401431127	2013	3	12	2	V	0.9	0.9	1.94	318
401431127	2013	3	12	3	V	0.5	1	1.23	260
401431127	2013	3	12	4	V	0.6	0.8	0.87	316
401431127	2013	3	12	5	V	1.5	0.4	0.84	17
401431127	2013	3	12	6	V	4.0	0.7	0.99	203
401431127	2013	3	12	7	V	1.6	1.1	0.91	222
401431127	2013	3	12	8	V	3.9	1.3	1.4	248
401431127	2013	3	12	9	V	2.1	0.5	1.13	35
401431127	2013	3	12	10	V	4.0	0.3	2.5	43
401431127	2013	3	12	11	V	1.9	0.3	3.46	21
401431127	2013	3	12	12	V	2.2	0.3	3.29	17
401431127	2013	3	12	13	V	2.3	0.2	3.3	15
401431127	2013	3	12	14	V	2.3	0.2	2.95	333
401431127	2013	3	12	15	V	1.7	0.2	2.91	307
401431127	2013	3	12	16	V	2.0	0.2	3.76	330
401431127	2013	3	12	17	V	3.6	0.2	3.91	322
401431127	2013	3	12	18	V	3.7	0.2	3.9	329
401431127	2013	3	12	19	V	1.5	0.2	3.23	345
401431127	2013	3	12	20	V	2.9	0.2	3.03	348

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	12	21	V	2.7	0.2	2.93	11
401431127	2013	3	12	22	V	1.4	0.2	4	20
401431127	2013	3	12	23	V	1.1	0.2	2.61	9
401431127	2013	3	12	24	V	1.5	0.4	1.64	6
401431127	2013	3	13	1	V	1.3	0.5	2.08	10
401431127	2013	3	13	2	V	1.0	0.3	0.82	73
401431127	2013	3	13	3	V	0.5	0.3	0.79	247
401431127	2013	3	13	4	V	0.7	0.3	0.62	258
401431127	2013	3	13	5	V	1.5	0.3	0.89	275
401431127	2013	3	13	6	V	0.6	0.7	0.65	282
401431127	2013	3	13	7	V	1.2	1.7	0.77	328
401431127	2013	3	13	8	V	3.9	1.6	2.27	14
401431127	2013	3	13	9	V	4.4	0.3	3.58	45
401431127	2013	3	13	10	V	3.3	1.1	1.74	59
401431127	2013	3	13	11	V	2.8	1.3	2.55	36
401431127	2013	3	13	12	V	3.1	1.4	2.15	55
401431127	2013	3	13	13	V	2.4	2.1	1.81	99
401431127	2013	3	13	14	V	2.4	2.3	1.89	102
401431127	2013	3	13	15	V	1.8	0.9	2.01	141
401431127	2013	3	13	16	V	2.0	0.4	2.44	126
401431127	2013	3	13	17	V	3.6	0.3	2.69	134
401431127	2013	3	13	18	V	3.7	0.3	3.44	145
401431127	2013	3	13	19	V	1.5	0.4	2.49	138
401431127	2013	3	13	20	V	2.9	0.6	1.54	158
401431127	2013	3	13	21	C	-999	0.9	0	0
401431127	2013	3	13	22	V	5.5	0.8	0.91	212
401431127	2013	3	13	23	V	3.8	1	0.77	202
401431127	2013	3	13	24	V	3.5	1.3	1.54	200
401431127	2013	3	14	1	V	5.3	1.1	0.87	205
401431127	2013	3	14	2	V	4.3	0.3	0.79	204
401431127	2013	3	14	3	V	2.6	0.3	1.04	217
401431127	2013	3	14	4	V	1.2	0.3	1.06	221
401431127	2013	3	14	5	V	4.8	0.4	0.96	214
401431127	2013	3	14	6	V	0.6	0.5	0.86	185
401431127	2013	3	14	7	V	1.1	0.5	1.18	161
401431127	2013	3	14	8	V	4.0	0.8	1.47	182
401431127	2013	3	14	9	V	1.3	1	3.56	188
401431127	2013	3	14	10	V	2.7	1	5.09	199
401431127	2013	3	14	11	V	2.1	3.1	6.96	200
401431127	2013	3	14	12	V	2.8	6.1	5.44	209
401431127	2013	3	14	13	V	2.4	5.7	4.56	190
401431127	2013	3	14	14	V	2.7	2.4	4.95	210
401431127	2013	3	14	15	V	2.0	1.7	5.05	214
401431127	2013	3	14	16	V	2.3	1.8	4.97	216
401431127	2013	3	14	17	V	4.0	1.7	4.8	210
401431127	2013	3	14	18	V	4.0	2.7	3.92	200

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	14	19	V	1.7	5.5	2.59	193
401431127	2013	3	14	20	V	6.5	12.8	1.98	202
401431127	2013	3	14	21	V	3.3	5.5	1.37	220
401431127	2013	3	14	22	V	1.8	2.4	0.57	228
401431127	2013	3	14	23	V	4.1	5.5	0.72	214
401431127	2013	3	14	24	V	4.2	4.5	1.11	201
401431127	2013	3	15	1	V	5.3	4.4	0.87	205
401431127	2013	3	15	2	V	4.0	7.6	1.01	202
401431127	2013	3	15	3	V	0.5	5.1	1.33	185
401431127	2013	3	15	4	V	3.5	7.9	0.52	206
401431127	2013	3	15	5	V	1.6	2.8	0.51	5
401431127	2013	3	15	6	M	-999	1.4	999	999
401431127	2013	3	15	7	M	-999	1.1	999	999
401431127	2013	3	15	8	V	4.0	10.2	0.75	127
401431127	2013	3	15	9	V	1.3	21	3.46	187
401431127	2013	3	15	10	V	2.4	5.4	4.9	188
401431127	2013	3	15	11	V	2.2	-999	5.03	217
401431127	2013	3	15	12	V	2.3	1.8	5.29	221
401431127	2013	3	15	13	V	2.7	2.8	5.7	210
401431127	2013	3	15	14	V	2.5	2.6	6.12	216
401431127	2013	3	15	15	V	1.9	2.6	7.32	216
401431127	2013	3	15	16	V	2.2	2.3	7.3	214
401431127	2013	3	15	17	V	3.9	4	7.06	212
401431127	2013	3	15	18	V	4.0	6.7	5.94	215
401431127	2013	3	15	19	V	5.0	13.8	4.9	203
401431127	2013	3	15	20	V	2.9	5.9	4.46	185
401431127	2013	3	15	21	V	2.8	0.9	4.39	189
401431127	2013	3	15	22	V	2.0	0.7	4.36	195
401431127	2013	3	15	23	V	1.7	1.5	4.71	195
401431127	2013	3	15	24	V	1.8	4.4	4.39	193
401431127	2013	3	16	1	V	1.4	7.5	4.05	190
401431127	2013	3	16	2	V	0.9	10.9	3.51	187
401431127	2013	3	16	3	V	0.5	12.3	3.37	190
401431127	2013	3	16	4	V	0.5	4.2	3.42	184
401431127	2013	3	16	5	V	1.4	1.4	3.78	186
401431127	2013	3	16	6	V	0.5	1.9	2.61	180
401431127	2013	3	16	7	V	1.1	1.2	1.47	50
401431127	2013	3	16	8	V	4.0	0.9	1.2	25
401431127	2013	3	16	9	V	1.3	0.9	1.82	140
401431127	2013	3	16	10	V	2.4	0.9	2.2	126
401431127	2013	3	16	11	V	1.9	0.9	2.04	115
401431127	2013	3	16	12	V	2.3	0.8	1.64	144
401431127	2013	3	16	13	V	2.3	1.1	2.45	61
401431127	2013	3	16	14	V	2.3	1.7	6.79	29
401431127	2013	3	16	15	V	1.7	1.4	6.55	24
401431127	2013	3	16	16	V	2.0	0.8	8.1	23

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	16	17	V	3.6	0.6	8.18	27
401431127	2013	3	16	18	V	3.7	0.5	8.08	25
401431127	2013	3	16	19	V	1.5	0.5	7.83	26
401431127	2013	3	16	20	V	2.9	0.4	7.18	27
401431127	2013	3	16	21	V	2.7	0.4	7.98	28
401431127	2013	3	16	22	V	1.4	0.3	7.04	28
401431127	2013	3	16	23	V	1.0	0.3	6.79	27
401431127	2013	3	16	24	V	1.4	0.3	6.75	22
401431127	2013	3	17	1	V	1.3	0.3	7.18	20
401431127	2013	3	17	2	V	0.9	0.3	7.96	28
401431127	2013	3	17	3	V	0.4	0.2	6.38	21
401431127	2013	3	17	4	V	0.5	0.2	6.91	19
401431127	2013	3	17	5	V	1.4	0.2	6.92	20
401431127	2013	3	17	6	V	0.5	0.2	7.35	28
401431127	2013	3	17	7	V	1.0	0.2	5.99	30
401431127	2013	3	17	8	V	3.9	0.2	5.28	30
401431127	2013	3	17	9	V	1.2	0.2	4.73	35
401431127	2013	3	17	10	V	2.4	0.2	4.51	34
401431127	2013	3	17	11	V	1.9	0.2	3.97	26
401431127	2013	3	17	12	V	2.2	0.2	3.73	27
401431127	2013	3	17	13	V	2.3	0.2	2.74	355
401431127	2013	3	17	14	V	2.3	0.2	2.57	339
401431127	2013	3	17	15	V	1.7	0.2	2.32	326
401431127	2013	3	17	16	V	2.0	0.2	2.16	323
401431127	2013	3	17	17	V	3.6	0.2	2.06	335
401431127	2013	3	17	18	V	3.7	0.2	1.57	327
401431127	2013	3	17	19	V	1.5	0.2	1.06	275
401431127	2013	3	17	20	V	2.9	0.2	0.86	269
401431127	2013	3	17	21	V	2.7	0.2	1.26	242
401431127	2013	3	17	22	V	1.4	0.2	1.69	230
401431127	2013	3	17	23	V	1.1	0.2	0.69	271
401431127	2013	3	17	24	V	1.5	0.2	1.03	55
401431127	2013	3	18	1	V	1.3	0.2	1.31	360
401431127	2013	3	18	2	V	0.9	0.2	2.79	6
401431127	2013	3	18	3	V	0.4	0.2	3.49	2
401431127	2013	3	18	4	V	0.5	0.2	2.83	360
401431127	2013	3	18	5	V	1.4	0.1	2.47	337
401431127	2013	3	18	6	V	0.5	0.2	1.31	338
401431127	2013	3	18	7	V	1.0	0.2	1.89	338
401431127	2013	3	18	8	V	3.9	0.2	2.59	334
401431127	2013	3	18	9	V	1.2	0.1	4.17	340
401431127	2013	3	18	10	V	2.4	0.2	4.32	347
401431127	2013	3	18	11	V	1.9	0.1	4	353
401431127	2013	3	18	12	V	2.2	0.2	4.75	16
401431127	2013	3	18	13	V	2.3	0.2	4.85	14
401431127	2013	3	18	14	V	2.3	0.2	4.46	19

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	18	15	V	1.7	0.2	3.78	5
401431127	2013	3	18	16	V	2.0	0.2	3.76	347
401431127	2013	3	18	17	V	3.6	0.2	3.76	348
401431127	2013	3	18	18	V	3.7	0.3	3.41	354
401431127	2013	3	18	19	V	1.5	0.2	2.33	359
401431127	2013	3	18	20	V	2.9	0.3	1.98	13
401431127	2013	3	18	21	V	2.7	0.5	0.99	316
401431127	2013	3	18	22	V	1.5	0.7	0.55	277
401431127	2013	3	18	23	V	1.2	1	0.62	231
401431127	2013	3	18	24	V	1.5	1	0.7	297
401431127	2013	3	19	1	C	-999	1	0	0
401431127	2013	3	19	2	V	0.9	0.9	0.8	309
401431127	2013	3	19	3	V	0.4	0.6	1.08	331
401431127	2013	3	19	4	V	0.5	0.6	1.65	13
401431127	2013	3	19	5	V	1.4	0.2	1.67	3
401431127	2013	3	19	6	V	0.5	0.1	3.51	16
401431127	2013	3	19	7	V	1.0	0.2	3.57	28
401431127	2013	3	19	8	V	3.9	0.3	4.07	37
401431127	2013	3	19	9	V	1.2	0.4	4.83	67
401431127	2013	3	19	10	V	2.4	0.4	5.04	80
401431127	2013	3	19	11	V	1.9	0.6	4.83	87
401431127	2013	3	19	12	V	2.2	1.9	3.98	98
401431127	2013	3	19	13	V	2.3	1.6	3.06	140
401431127	2013	3	19	14	V	2.3	0.4	3.75	167
401431127	2013	3	19	15	V	1.7	0.7	2.61	171
401431127	2013	3	19	16	V	2.0	0.6	1.82	150
401431127	2013	3	19	17	V	3.7	0.6	1.01	99
401431127	2013	3	19	18	V	3.7	0.7	1.28	70
401431127	2013	3	19	19	V	1.5	0.6	5.05	31
401431127	2013	3	19	20	V	2.9	1	6.91	29
401431127	2013	3	19	21	V	2.7	1.2	6.31	35
401431127	2013	3	19	22	V	1.4	0.8	5.12	43
401431127	2013	3	19	23	V	1.0	0.3	4.2	46
401431127	2013	3	19	24	V	1.4	0.2	2.42	24
401431127	2013	3	20	1	V	1.3	0.1	1.62	13
401431127	2013	3	20	2	V	0.9	0.1	1.69	1
401431127	2013	3	20	3	V	0.4	0.1	1.94	9
401431127	2013	3	20	4	V	0.5	0.1	1.57	358
401431127	2013	3	20	5	V	1.4	0.5	1.38	3
401431127	2013	3	20	6	V	0.5	0.6	0.96	352
401431127	2013	3	20	7	V	1.1	0.6	1.47	350
401431127	2013	3	20	8	V	3.9	0.6	2.67	355
401431127	2013	3	20	9	V	1.2	0.1	5.87	10
401431127	2013	3	20	10	V	2.4	0.7	5.82	18
401431127	2013	3	20	11	V	1.9	0.3	5.34	20
401431127	2013	3	20	12	V	2.2	0.3	5.94	46

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	20	13	V	2.3	0.3	4.58	26
401431127	2013	3	20	14	V	2.3	0.3	3.9	19
401431127	2013	3	20	15	V	1.7	0.3	3.37	45
401431127	2013	3	20	16	V	2.0	0.2	3.2	35
401431127	2013	3	20	17	V	3.6	0.3	2.1	48
401431127	2013	3	20	18	V	3.7	0.3	2.38	68
401431127	2013	3	20	19	V	1.5	0.2	3.54	68
401431127	2013	3	20	20	V	2.9	0.3	3.13	71
401431127	2013	3	20	21	V	2.7	0.2	3.1	75
401431127	2013	3	20	22	V	1.4	0.3	3.27	100
401431127	2013	3	20	23	V	1.0	0.3	3.71	96
401431127	2013	3	20	24	V	1.4	0.5	3.37	107
401431127	2013	3	21	1	V	1.3	0.3	3.51	108
401431127	2013	3	21	2	V	0.9	0.2	2.54	105
401431127	2013	3	21	3	V	0.4	0.2	2.93	104
401431127	2013	3	21	4	V	0.5	0.2	3.25	91
401431127	2013	3	21	5	V	1.4	0.3	3.03	93
401431127	2013	3	21	6	V	0.5	0.3	3.37	85
401431127	2013	3	21	7	V	1.0	0.6	3.58	87
401431127	2013	3	21	8	V	3.9	0.5	4.7	103
401431127	2013	3	21	9	V	1.2	0.5	5.21	124
401431127	2013	3	21	10	V	2.4	0.8	5.72	130
401431127	2013	3	21	11	V	1.9	1	7.23	128
401431127	2013	3	21	12	V	2.2	1	6.84	132
401431127	2013	3	21	13	V	2.3	1	7.55	124
401431127	2013	3	21	14	V	2.3	0.7	7.13	120
401431127	2013	3	21	15	V	1.7	0.9	7.13	118
401431127	2013	3	21	16	V	2.0	0.8	6.43	118
401431127	2013	3	21	17	V	3.6	0.5	6.21	108
401431127	2013	3	21	18	V	3.7	0.4	6.16	98
401431127	2013	3	21	19	V	1.5	0.3	5.58	86
401431127	2013	3	21	20	V	2.9	0.2	5.48	83
401431127	2013	3	21	21	V	2.7	0.2	5.16	84
401431127	2013	3	21	22	V	1.4	0.3	4.73	79
401431127	2013	3	21	23	V	1.0	0.3	4.8	78
401431127	2013	3	21	24	V	1.4	0.2	4.46	67
401431127	2013	3	22	1	V	1.3	0.2	4.68	64
401431127	2013	3	22	2	V	0.9	0.2	5.04	68
401431127	2013	3	22	3	V	0.4	0.2	4.24	42
401431127	2013	3	22	4	V	0.5	0.1	4.02	34
401431127	2013	3	22	5	V	1.4	0.2	3.24	22
401431127	2013	3	22	6	V	0.5	0.2	3.4	28
401431127	2013	3	22	7	V	1.0	0.2	3.13	25
401431127	2013	3	22	8	V	3.9	0.2	3.81	33
401431127	2013	3	22	9	V	1.2	0.4	3.47	45
401431127	2013	3	22	10	V	2.4	0.2	3.39	40

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	22	11	V	1.9	0.2	2.73	16
401431127	2013	3	22	12	V	2.2	0.2	3.22	355
401431127	2013	3	22	13	V	2.3	0.3	3.44	7
401431127	2013	3	22	14	V	2.3	0.3	3.44	7
401431127	2013	3	22	15	V	1.7	0.8	3.97	22
401431127	2013	3	22	16	V	2.0	1	4.27	32
401431127	2013	3	22	17	V	3.6	1.5	3.9	39
401431127	2013	3	22	18	V	3.7	3	4.8	51
401431127	2013	3	22	19	V	1.5	0.7	4.61	35
401431127	2013	3	22	20	V	2.9	0.4	5.07	42
401431127	2013	3	22	21	V	2.7	0.3	3.9	51
401431127	2013	3	22	22	V	1.4	0.2	3.9	48
401431127	2013	3	22	23	V	1.0	0.2	3.81	28
401431127	2013	3	22	24	V	1.4	0.3	4.29	27
401431127	2013	3	23	1	V	1.3	0.3	4.53	27
401431127	2013	3	23	2	V	0.9	0.2	4.39	32
401431127	2013	3	23	3	V	0.4	0.2	4.46	34
401431127	2013	3	23	4	V	0.5	0.2	4.41	31
401431127	2013	3	23	5	V	1.4	0.2	4.36	43
401431127	2013	3	23	6	V	0.5	0.2	3.69	42
401431127	2013	3	23	7	V	1.0	0.2	3.08	27
401431127	2013	3	23	8	V	3.9	0.2	3.86	33
401431127	2013	3	23	9	V	1.2	0.3	3.93	43
401431127	2013	3	23	10	V	2.4	0.2	4.54	58
401431127	2013	3	23	11	V	1.9	0.2	3.49	37
401431127	2013	3	23	12	V	2.2	0.2	3.56	59
401431127	2013	3	23	13	V	2.3	0.2	2.28	47
401431127	2013	3	23	14	V	2.3	0.2	2.83	31
401431127	2013	3	23	15	V	1.7	0.3	3.56	36
401431127	2013	3	23	16	V	2.0	0.2	2.98	34
401431127	2013	3	23	17	V	3.6	0.2	2.44	10
401431127	2013	3	23	18	V	3.7	0.2	2.1	343
401431127	2013	3	23	19	V	1.5	0.2	2.2	346
401431127	2013	3	23	20	V	2.9	0.2	3.51	21
401431127	2013	3	23	21	V	2.7	0.2	3.15	14
401431127	2013	3	23	22	V	1.4	0.2	2.91	330
401431127	2013	3	23	23	V	1.0	0.2	4.2	331
401431127	2013	3	23	24	V	1.4	0.1	3.03	337
401431127	2013	3	24	1	V	1.3	0.2	2.69	289
401431127	2013	3	24	2	V	0.9	0.2	3.86	293
401431127	2013	3	24	3	V	0.4	0.1	4.51	306
401431127	2013	3	24	4	V	0.5	0.1	5.73	318
401431127	2013	3	24	5	V	1.4	0.1	5.11	322
401431127	2013	3	24	6	V	0.5	0.1	5.16	319
401431127	2013	3	24	7	V	1.0	0.1	5.33	322
401431127	2013	3	24	8	V	3.9	0.1	5.34	320

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	24	9	V	1.2	0.1	5.85	324
401431127	2013	3	24	10	V	2.4	0.1	5.48	317
401431127	2013	3	24	11	V	1.9	0.1	6.21	317
401431127	2013	3	24	12	V	2.2	0.1	6.58	327
401431127	2013	3	24	13	V	2.3	0.1	6.41	318
401431127	2013	3	24	14	V	2.3	0.1	6.18	323
401431127	2013	3	24	15	V	1.7	0.1	5.97	327
401431127	2013	3	24	16	V	2.0	0.1	5.8	337
401431127	2013	3	24	17	V	3.6	0.2	5.33	321
401431127	2013	3	24	18	V	3.7	0.3	5.19	335
401431127	2013	3	24	19	V	1.5	0.2	4.1	331
401431127	2013	3	24	20	V	2.9	0.2	2.47	332
401431127	2013	3	24	21	V	2.7	0.1	2.35	335
401431127	2013	3	24	22	V	1.4	0.1	1.09	306
401431127	2013	3	24	23	V	1.1	0.1	1.74	272
401431127	2013	3	24	24	V	1.4	0.1	1.99	299
401431127	2013	3	25	1	V	1.3	0.1	2.25	305
401431127	2013	3	25	2	V	0.9	0.1	1.96	280
401431127	2013	3	25	3	V	0.4	0.1	1.74	278
401431127	2013	3	25	4	V	0.5	0.1	2.93	307
401431127	2013	3	25	5	V	1.4	0.1	2.93	323
401431127	2013	3	25	6	V	0.5	0.1	3.25	314
401431127	2013	3	25	7	V	1.0	0.1	3.8	319
401431127	2013	3	25	8	V	3.9	0.1	4.2	319
401431127	2013	3	25	9	V	1.2	0.2	5.31	327
401431127	2013	3	25	10	V	2.4	0.1	5.68	323
401431127	2013	3	25	11	V	1.9	0.1	5.27	332
401431127	2013	3	25	12	V	2.2	0.1	4.76	320
401431127	2013	3	25	13	V	2.3	0.1	5.02	329
401431127	2013	3	25	14	V	2.3	0.1	4.83	327
401431127	2013	3	25	15	V	1.7	0.1	4.68	316
401431127	2013	3	25	16	V	2.0	0.1	4.56	315
401431127	2013	3	25	17	V	3.6	0.1	4.6	326
401431127	2013	3	25	18	V	3.7	0.1	4.95	334
401431127	2013	3	25	19	V	1.5	0.1	4.19	343
401431127	2013	3	25	20	V	2.9	0	3.32	344
401431127	2013	3	25	21	V	2.7	0.1	2.35	342
401431127	2013	3	25	22	V	1.4	0.1	1.33	312
401431127	2013	3	25	23	V	1.1	0.2	1.31	303
401431127	2013	3	25	24	V	1.5	0.1	1.6	311
401431127	2013	3	26	1	V	1.3	0.1	1.2	312
401431127	2013	3	26	2	V	0.9	0.1	1.03	292
401431127	2013	3	26	3	V	0.4	0.1	1.08	242
401431127	2013	3	26	4	V	0.6	0.1	0.87	242
401431127	2013	3	26	5	V	1.5	0.1	0.62	233
401431127	2013	3	26	6	V	4.4	0.2	1.13	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	26	7	V	1.1	1.1	1.11	289
401431127	2013	3	26	8	V	4.0	0.6	1.71	337
401431127	2013	3	26	9	V	1.3	0.1	2.27	2
401431127	2013	3	26	10	V	2.4	0.1	2.45	331
401431127	2013	3	26	11	V	1.9	0.1	2.54	301
401431127	2013	3	26	12	V	2.2	0.1	2.27	308
401431127	2013	3	26	13	V	2.4	0.1	1.72	279
401431127	2013	3	26	14	V	2.3	0.2	1.86	343
401431127	2013	3	26	15	V	2.0	0.2	2.3	213
401431127	2013	3	26	16	V	2.0	0.9	2.06	309
401431127	2013	3	26	17	V	3.6	1	2.05	157
401431127	2013	3	26	18	V	3.7	2.2	2.71	134
401431127	2013	3	26	19	V	1.5	0.7	2.83	146
401431127	2013	3	26	20	V	2.9	0.4	2.74	139
401431127	2013	3	26	21	V	2.7	0.3	2.39	143
401431127	2013	3	26	22	V	1.4	0.2	2.15	148
401431127	2013	3	26	23	V	1.1	0.3	1.86	163
401431127	2013	3	26	24	V	1.4	0.2	2.06	161
401431127	2013	3	27	1	V	1.3	0.2	2.13	162
401431127	2013	3	27	2	V	0.9	0.1	2.06	161
401431127	2013	3	27	3	V	0.4	0.1	2.01	169
401431127	2013	3	27	4	V	0.5	0.1	1.62	165
401431127	2013	3	27	5	V	1.4	0.1	1.25	168
401431127	2013	3	27	6	V	0.5	0.2	1.5	150
401431127	2013	3	27	7	V	1.1	0.2	1.69	131
401431127	2013	3	27	8	V	4.0	0.3	2.45	154
401431127	2013	3	27	9	V	1.2	0.4	5.38	170
401431127	2013	3	27	10	V	2.4	1.1	5.96	172
401431127	2013	3	27	11	V	1.9	1.8	7.91	178
401431127	2013	3	27	12	V	2.2	1.3	7.71	176
401431127	2013	3	27	13	V	2.3	1.1	7.15	177
401431127	2013	3	27	14	V	2.3	1.1	8	183
401431127	2013	3	27	15	V	1.7	1.1	8.15	186
401431127	2013	3	27	16	V	2.0	1	6.91	188
401431127	2013	3	27	17	V	3.6	0.9	6.06	188
401431127	2013	3	27	18	V	3.7	0.8	5.67	180
401431127	2013	3	27	19	V	1.5	0.8	3.8	172
401431127	2013	3	27	20	V	2.9	0.7	3.74	156
401431127	2013	3	27	21	V	2.7	0.6	3.64	156
401431127	2013	3	27	22	V	1.4	0.6	4.56	171
401431127	2013	3	27	23	V	1.0	0.6	4.46	169
401431127	2013	3	27	24	V	1.4	1	3.49	176
401431127	2013	3	28	1	V	1.3	1.2	3.1	170
401431127	2013	3	28	2	V	0.9	1.8	2.23	163
401431127	2013	3	28	3	V	0.4	1.4	2.67	167
401431127	2013	3	28	4	V	0.5	0.6	2.1	167

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	28	5	V	1.4	0.6	2.01	173
401431127	2013	3	28	6	V	0.5	0.6	2.21	178
401431127	2013	3	28	7	V	1.1	0.6	2.06	188
401431127	2013	3	28	8	V	3.9	1.3	3.71	173
401431127	2013	3	28	9	V	1.3	1.5	4.41	175
401431127	2013	3	28	10	V	2.4	1.3	5.31	189
401431127	2013	3	28	11	V	1.9	-999	5.14	181
401431127	2013	3	28	12	V	2.2	-999	4.83	176
401431127	2013	3	28	13	V	2.3	0.7	4.22	168
401431127	2013	3	28	14	V	2.3	0.7	4.87	164
401431127	2013	3	28	15	V	1.7	0.6	4.78	165
401431127	2013	3	28	16	V	2.0	0.6	5.73	166
401431127	2013	3	28	17	V	3.6	0.6	5.82	169
401431127	2013	3	28	18	V	3.7	0.5	5.65	170
401431127	2013	3	28	19	V	1.5	0.4	5.02	179
401431127	2013	3	28	20	V	2.9	0.4	3.51	173
401431127	2013	3	28	21	V	2.7	0.3	3	168
401431127	2013	3	28	22	V	1.4	0.3	3.4	169
401431127	2013	3	28	23	V	1.1	0.3	2.89	177
401431127	2013	3	28	24	V	1.5	0.3	2.54	187
401431127	2013	3	29	1	V	1.4	0.3	0.74	172
401431127	2013	3	29	2	V	1.0	0.3	0.69	118
401431127	2013	3	29	3	V	4.8	0.3	0.82	208
401431127	2013	3	29	4	V	1.6	0.3	0.6	222
401431127	2013	3	29	5	V	2.8	0.3	0.55	198
401431127	2013	3	29	6	C	-999	0.5	0	0
401431127	2013	3	29	7	V	1.2	0.8	0.6	323
401431127	2013	3	29	8	V	4.6	1.2	0.57	148
401431127	2013	3	29	9	V	1.6	0.9	0.97	98
401431127	2013	3	29	10	V	3.9	1.6	1.96	47
401431127	2013	3	29	11	V	2.0	1.8	1.77	70
401431127	2013	3	29	12	V	4.0	1.1	2.74	42
401431127	2013	3	29	13	V	2.4	0.7	4.41	63
401431127	2013	3	29	14	V	2.3	0.5	4.66	86
401431127	2013	3	29	15	V	1.7	0.5	5.55	90
401431127	2013	3	29	16	V	2.0	0.6	5.77	120
401431127	2013	3	29	17	V	3.6	1.1	5.29	140
401431127	2013	3	29	18	V	3.7	0.8	4.88	143
401431127	2013	3	29	19	V	1.5	0.5	4.24	138
401431127	2013	3	29	20	V	2.9	0.4	3.2	120
401431127	2013	3	29	21	V	2.7	0.4	4.71	128
401431127	2013	3	29	22	V	1.4	0.3	3.18	93
401431127	2013	3	29	23	V	1.1	0.3	2.4	106
401431127	2013	3	29	24	V	1.5	0.3	2.33	136
401431127	2013	3	30	1	V	1.3	0.3	2.61	143
401431127	2013	3	30	2	V	0.9	0.2	3.17	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	3	30	3	V	0.4	0.4	3.9	153
401431127	2013	3	30	4	V	0.5	0.5	3.88	167
401431127	2013	3	30	5	V	1.4	0.3	3.86	175
401431127	2013	3	30	6	V	0.5	0.3	4.92	161
401431127	2013	3	30	7	V	7.5	0.3	2.32	206
401431127	2013	3	30	8	V	3.9	0.4	3.23	131
401431127	2013	3	30	9	V	1.3	0.2	3.71	91
401431127	2013	3	30	10	V	2.4	0.3	2.98	148
401431127	2013	3	30	11	V	1.9	0.5	4.03	147
401431127	2013	3	30	12	V	2.2	0.5	5.65	178
401431127	2013	3	30	13	V	2.4	0.5	5.36	192
401431127	2013	3	30	14	V	2.3	1	5.43	184
401431127	2013	3	30	15	V	1.7	0.6	4.8	176
401431127	2013	3	30	16	V	2.0	0.6	4.1	185
401431127	2013	3	30	17	V	3.7	0.6	3.8	189
401431127	2013	3	30	18	V	3.7	0.5	2.62	171
401431127	2013	3	30	19	V	1.5	0.4	1.77	153
401431127	2013	3	30	20	V	2.9	0.4	1.65	78
401431127	2013	3	30	21	V	2.7	0.4	1.26	256
401431127	2013	3	30	22	V	1.5	0.4	0.86	293
401431127	2013	3	30	23	V	1.1	0.3	1.96	7
401431127	2013	3	30	24	V	1.5	0.3	1.52	357
401431127	2013	3	31	1	V	1.3	0.3	1.2	296
401431127	2013	3	31	2	V	0.9	0.6	1.48	342
401431127	2013	3	31	3	V	0.5	0.3	1.4	344
401431127	2013	3	31	4	V	0.5	0.2	2.5	325
401431127	2013	3	31	5	V	1.4	0.2	6.7	354
401431127	2013	3	31	6	V	0.5	0.2	3.41	11
401431127	2013	3	31	7	V	1.0	0.2	4.53	7
401431127	2013	3	31	8	V	3.9	0.2	4.87	11
401431127	2013	3	31	9	V	1.2	0.2	4.37	11
401431127	2013	3	31	10	V	2.4	0.2	5.48	14
401431127	2013	3	31	11	V	1.9	0.2	5.55	15
401431127	2013	3	31	12	V	2.2	0.2	5.75	9
401431127	2013	3	31	13	V	2.3	0.2	4.85	7
401431127	2013	3	31	14	V	2.3	0.2	4.39	15
401431127	2013	3	31	15	V	1.7	0.2	3.61	17
401431127	2013	3	31	16	V	2.2	0.2	3.78	32
401431127	2013	3	31	17	V	4.0	0.2	3.07	38
401431127	2013	3	31	18	V	3.9	0.2	2.3	32
401431127	2013	3	31	19	V	4.5	0.2	1.52	43
401431127	2013	3	31	20	V	3.0	0.6	0.96	10
401431127	2013	3	31	21	V	2.8	0.7	0.65	299
401431127	2013	3	31	22	V	1.5	0.5	0.7	282
401431127	2013	3	31	23	V	1.2	0.5	0.63	308
401431127	2013	3	31	24	V	4.2	0.5	0.72	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	1	1	V	2.3	0.6	1.01	220
401431127	2013	4	1	2	V	1.1	0.4	0.6	246
401431127	2013	4	1	3	V	0.6	0.5	0.69	274
401431127	2013	4	1	4	V	0.6	0.6	0.79	319
401431127	2013	4	1	5	V	1.5	0.8	0.7	351
401431127	2013	4	1	6	V	0.7	0.9	0.52	325
401431127	2013	4	1	7	V	1.0	0.7	2.86	15
401431127	2013	4	1	8	V	3.9	0.2	5.38	7
401431127	2013	4	1	9	V	1.2	0.4	5.43	17
401431127	2013	4	1	10	V	2.4	0.5	5.44	14
401431127	2013	4	1	11	V	1.9	0.6	5.92	26
401431127	2013	4	1	12	V	2.2	1.2	5.84	32
401431127	2013	4	1	13	V	2.3	1	6.06	24
401431127	2013	4	1	14	V	2.3	0.4	7.08	20
401431127	2013	4	1	15	V	1.7	0.3	7.04	28
401431127	2013	4	1	16	V	2.0	0.3	7.26	32
401431127	2013	4	1	17	V	3.6	0.6	7.14	29
401431127	2013	4	1	18	V	3.7	1	7.01	24
401431127	2013	4	1	19	V	1.5	0.3	6.18	17
401431127	2013	4	1	20	V	2.9	0.2	5.87	24
401431127	2013	4	1	21	V	2.7	0.3	6.38	30
401431127	2013	4	1	22	V	1.4	0.3	7.37	30
401431127	2013	4	1	23	V	1.1	0.3	6.69	36
401431127	2013	4	1	24	V	2.4	1.2	6.72	42
401431127	2013	4	2	1	V	1.3	0.7	6.04	32
401431127	2013	4	2	2	V	0.9	1.2	6.82	29
401431127	2013	4	2	3	V	0.5	0.9	6.58	36
401431127	2013	4	2	4	V	0.5	0.5	6.45	33
401431127	2013	4	2	5	V	1.4	0.3	6.02	34
401431127	2013	4	2	6	V	0.6	0.2	5.94	36
401431127	2013	4	2	7	V	1.0	0.2	6.35	31
401431127	2013	4	2	8	V	4.0	0.2	6.8	40
401431127	2013	4	2	9	V	2.3	0.1	6.75	45
401431127	2013	4	2	10	V	2.9	0.2	7.16	52
401431127	2013	4	2	11	V	2.1	0.1	5.07	57
401431127	2013	4	2	12	V	2.3	0.2	4.39	34
401431127	2013	4	2	13	V	4.1	0.1	5.87	48
401431127	2013	4	2	14	V	4.4	0.2	5.55	48
401431127	2013	4	2	15	V	3.7	0.2	5.63	46
401431127	2013	4	2	16	V	2.5	0.3	6.16	41
401431127	2013	4	2	17	V	4.9	0.2	5.94	44
401431127	2013	4	2	18	V	5.2	0.2	5.38	46
401431127	2013	4	2	19	V	3.4	0.2	5.7	46
401431127	2013	4	2	20	V	5.0	0.1	5	48
401431127	2013	4	2	21	V	4.3	0.1	5.99	49
401431127	2013	4	2	22	V	2.9	0.1	5.58	50

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	2	23	V	2.4	0.1	5.38	51
401431127	2013	4	2	24	V	3.2	0.1	4.92	50
401431127	2013	4	3	1	V	1.7	0.1	4.41	54
401431127	2013	4	3	2	V	2.9	0.1	4.49	47
401431127	2013	4	3	3	V	0.9	0.2	5.31	40
401431127	2013	4	3	4	V	2.3	0.2	4.65	44
401431127	2013	4	3	5	V	3.5	0.2	4.32	45
401431127	2013	4	3	6	V	2.0	0.2	4.22	51
401431127	2013	4	3	7	V	1.1	0.3	4.68	64
401431127	2013	4	3	8	V	4.0	0.3	4.02	33
401431127	2013	4	3	9	V	3.8	0.4	3.46	52
401431127	2013	4	3	10	V	3.4	0.7	4.92	53
401431127	2013	4	3	11	V	3.2	0.5	5.02	42
401431127	2013	4	3	12	V	2.3	0.4	5.41	36
401431127	2013	4	3	13	V	2.3	0.6	5.09	28
401431127	2013	4	3	14	V	2.4	0.4	2.21	336
401431127	2013	4	3	15	V	1.8	0.6	1.28	145
401431127	2013	4	3	16	V	2.3	0.4	1.59	30
401431127	2013	4	3	17	V	3.7	0.3	1.72	11
401431127	2013	4	3	18	V	3.7	0.2	1.65	357
401431127	2013	4	3	19	V	1.5	0.2	1.86	347
401431127	2013	4	3	20	V	2.9	0.1	1.77	350
401431127	2013	4	3	21	V	2.7	0.2	2.88	357
401431127	2013	4	3	22	V	1.4	0.1	2.61	14
401431127	2013	4	3	23	V	1.1	0.1	1.98	11
401431127	2013	4	3	24	V	1.5	0.1	2.23	19
401431127	2013	4	4	1	V	1.3	0.1	1.81	348
401431127	2013	4	4	2	V	0.9	0.1	1.89	326
401431127	2013	4	4	3	V	0.4	0.1	2.06	333
401431127	2013	4	4	4	V	0.5	0.1	2.06	340
401431127	2013	4	4	5	V	1.4	0.1	1.86	345
401431127	2013	4	4	6	V	0.5	0.2	2.16	351
401431127	2013	4	4	7	V	1.1	0.1	1.21	333
401431127	2013	4	4	8	V	4.0	0.2	1.43	329
401431127	2013	4	4	9	V	1.3	0.2	2.4	333
401431127	2013	4	4	10	V	2.4	0.3	2.95	325
401431127	2013	4	4	11	V	1.9	0.4	2.71	311
401431127	2013	4	4	12	V	2.2	0.6	2.62	296
401431127	2013	4	4	13	V	2.3	0.6	2.45	335
401431127	2013	4	4	14	V	2.3	0.8	3.59	347
401431127	2013	4	4	15	V	1.7	0.7	3.66	3
401431127	2013	4	4	16	V	2.0	0.7	4.09	24
401431127	2013	4	4	17	V	3.6	0.7	3.46	12
401431127	2013	4	4	18	V	3.7	0.5	2.76	353
401431127	2013	4	4	19	V	1.5	0.5	1.45	333
401431127	2013	4	4	20	V	3.0	0.3	0.62	309

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	4	21	V	2.7	0.6	1.59	292
401431127	2013	4	4	22	V	1.4	0.3	2.22	298
401431127	2013	4	4	23	V	1.1	0.2	0.87	232
401431127	2013	4	4	24	V	1.6	0.2	0.63	269
401431127	2013	4	5	1	V	1.4	0.2	0.86	241
401431127	2013	4	5	2	V	1.1	0.1	0.57	236
401431127	2013	4	5	3	V	0.5	0.2	0.79	269
401431127	2013	4	5	4	V	0.9	0.2	1.2	222
401431127	2013	4	5	5	V	1.5	0.4	0.8	183
401431127	2013	4	5	6	V	0.6	0.4	0.69	242
401431127	2013	4	5	7	V	1.1	0.8	1.03	236
401431127	2013	4	5	8	V	6.7	0.8	0.91	201
401431127	2013	4	5	9	V	1.5	0.5	1.47	243
401431127	2013	4	5	10	V	2.5	0.4	1.93	170
401431127	2013	4	5	11	V	2.2	0.7	2.79	191
401431127	2013	4	5	12	V	2.5	0.6	3.91	195
401431127	2013	4	5	13	V	2.4	0.6	4.02	187
401431127	2013	4	5	14	V	2.4	0.5	4.59	189
401431127	2013	4	5	15	V	1.7	0.5	5.05	191
401431127	2013	4	5	16	V	2.2	0.4	4.88	196
401431127	2013	4	5	17	V	3.7	0.4	4.94	191
401431127	2013	4	5	18	V	3.7	0.4	5.16	182
401431127	2013	4	5	19	V	1.5	0.4	4.46	167
401431127	2013	4	5	20	V	2.9	0.5	4.36	178
401431127	2013	4	5	21	V	2.7	0.5	3.56	186
401431127	2013	4	5	22	V	1.5	0.5	4.99	188
401431127	2013	4	5	23	V	1.0	0.5	5.26	176
401431127	2013	4	5	24	V	1.5	0.4	4.77	178
401431127	2013	4	6	1	V	1.3	0.4	4.42	180
401431127	2013	4	6	2	V	0.9	0.4	4.51	178
401431127	2013	4	6	3	V	0.4	0.4	4.76	175
401431127	2013	4	6	4	V	0.5	0.6	3.32	165
401431127	2013	4	6	5	V	1.4	0.8	3.15	168
401431127	2013	4	6	6	V	0.5	1	2.74	170
401431127	2013	4	6	7	V	1.1	1.3	4.99	179
401431127	2013	4	6	8	V	4.1	1.1	4.75	195
401431127	2013	4	6	9	V	1.2	0.9	6.14	185
401431127	2013	4	6	10	V	2.4	0.7	8.18	190
401431127	2013	4	6	11	V	2.0	0.6	9.19	197
401431127	2013	4	6	12	V	2.2	0.8	8.35	195
401431127	2013	4	6	13	V	2.5	0.7	6.92	216
401431127	2013	4	6	14	V	2.5	0.8	6.79	216
401431127	2013	4	6	15	V	1.8	0.7	5.89	221
401431127	2013	4	6	16	V	2.4	0.7	5.92	211
401431127	2013	4	6	17	V	4.0	0.8	5.12	216
401431127	2013	4	6	18	V	4.3	0.8	4.2	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	6	19	V	1.6	0.9	1.26	243
401431127	2013	4	6	20	V	5.5	0.7	1.14	199
401431127	2013	4	6	21	V	7.0	0.6	2.95	203
401431127	2013	4	6	22	V	1.4	0.6	1.43	227
401431127	2013	4	6	23	C	-999	0.7	0	0
401431127	2013	4	6	24	V	1.7	0.4	0.52	147
401431127	2013	4	7	1	C	-999	0.3	0	0
401431127	2013	4	7	2	C	-999	0.4	0	0
401431127	2013	4	7	3	C	-999	0.4	0	0
401431127	2013	4	7	4	C	-999	0.4	0	0
401431127	2013	4	7	5	C	-999	0.4	0	0
401431127	2013	4	7	6	V	4.1	0.6	0.69	211
401431127	2013	4	7	7	C	-999	0.9	0	0
401431127	2013	4	7	8	V	4.3	0.5	1.26	134
401431127	2013	4	7	9	V	1.3	0.5	3.71	162
401431127	2013	4	7	10	V	2.4	0.5	5.41	171
401431127	2013	4	7	11	V	1.9	0.5	5.34	170
401431127	2013	4	7	12	V	2.2	0.3	5.7	161
401431127	2013	4	7	13	V	2.3	0.3	6.16	165
401431127	2013	4	7	14	V	2.3	0.3	7.54	168
401431127	2013	4	7	15	V	1.7	0.3	7.91	169
401431127	2013	4	7	16	V	2.0	0.3	7.74	169
401431127	2013	4	7	17	V	3.6	0.3	6.91	166
401431127	2013	4	7	18	V	3.7	0.3	6.4	166
401431127	2013	4	7	19	V	1.5	0.3	5.26	171
401431127	2013	4	7	20	V	2.9	0.3	4.02	170
401431127	2013	4	7	21	V	2.7	0.3	3.3	165
401431127	2013	4	7	22	V	1.4	0.3	3.12	163
401431127	2013	4	7	23	V	1.1	0.4	3.01	161
401431127	2013	4	7	24	V	1.5	0.4	2.86	161
401431127	2013	4	8	1	V	1.3	0.5	3.22	156
401431127	2013	4	8	2	V	0.9	0.5	3.32	151
401431127	2013	4	8	3	V	0.4	0.5	2.98	154
401431127	2013	4	8	4	V	0.5	0.5	3.34	157
401431127	2013	4	8	5	V	1.4	0.4	4.24	166
401431127	2013	4	8	6	V	0.5	0.4	4.51	159
401431127	2013	4	8	7	V	1.1	0.4	4.82	157
401431127	2013	4	8	8	V	3.9	0.4	5.36	154
401431127	2013	4	8	9	V	1.2	0.4	5.21	151
401431127	2013	4	8	10	V	2.4	0.3	4.61	145
401431127	2013	4	8	11	V	1.9	0.3	4.66	152
401431127	2013	4	8	12	V	2.2	0.3	5.39	158
401431127	2013	4	8	13	V	2.3	0.3	5.58	157
401431127	2013	4	8	14	V	2.3	0.3	6.55	160
401431127	2013	4	8	15	V	1.7	0.3	6.7	157
401431127	2013	4	8	16	V	2.0	0.3	7.43	165

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	8	17	V	3.6	0.3	7.91	170
401431127	2013	4	8	18	V	3.7	0.3	6.7	170
401431127	2013	4	8	19	V	1.5	0.3	6.94	170
401431127	2013	4	8	20	V	2.9	0.3	5.67	164
401431127	2013	4	8	21	V	2.7	0.3	5.33	161
401431127	2013	4	8	22	V	1.4	0.3	5.94	169
401431127	2013	4	8	23	V	1.1	0.4	4.27	167
401431127	2013	4	8	24	V	1.5	0.4	4.48	166
401431127	2013	4	9	1	V	1.3	0.5	5.07	169
401431127	2013	4	9	2	V	0.9	1	6.01	171
401431127	2013	4	9	3	V	0.4	1	7.69	172
401431127	2013	4	9	4	V	0.5	0.6	7.18	172
401431127	2013	4	9	5	V	1.4	0.5	6.7	173
401431127	2013	4	9	6	V	0.5	0.4	6.74	173
401431127	2013	4	9	7	V	1.1	0.4	6.23	173
401431127	2013	4	9	8	V	3.9	0.4	6.07	175
401431127	2013	4	9	9	V	1.2	0.4	5.84	167
401431127	2013	4	9	10	V	2.4	0.4	6.31	172
401431127	2013	4	9	11	V	1.9	0.4	5.97	176
401431127	2013	4	9	12	V	2.2	0.4	5.14	185
401431127	2013	4	9	13	V	2.3	0.4	5.87	169
401431127	2013	4	9	14	V	2.3	0.3	4.88	172
401431127	2013	4	9	15	V	1.7	0.4	5.68	169
401431127	2013	4	9	16	V	2.0	0.4	4.53	170
401431127	2013	4	9	17	V	3.6	0.4	2.79	165
401431127	2013	4	9	18	V	3.7	0.4	3.22	169
401431127	2013	4	9	19	V	1.5	0.4	4.58	165
401431127	2013	4	9	20	V	2.9	0.4	4.08	166
401431127	2013	4	9	21	V	3.9	0.5	3.06	197
401431127	2013	4	9	22	V	1.4	0.5	4.75	288
401431127	2013	4	9	23	V	1.1	0.2	5.22	289
401431127	2013	4	9	24	V	1.5	0.2	4.43	325
401431127	2013	4	10	1	V	1.3	0.2	3.29	339
401431127	2013	4	10	2	V	0.9	0.2	3.17	305
401431127	2013	4	10	3	V	0.4	0.2	3.08	314
401431127	2013	4	10	4	V	0.5	0.2	4.73	319
401431127	2013	4	10	5	V	1.4	0.2	4.03	350
401431127	2013	4	10	6	V	0.5	0.2	3	327
401431127	2013	4	10	7	V	1.1	0.2	3.76	321
401431127	2013	4	10	8	V	3.9	0.2	3.56	312
401431127	2013	4	10	9	V	1.3	0.2	3.66	316
401431127	2013	4	10	10	V	2.4	0.2	4.32	325
401431127	2013	4	10	11	V	1.9	0.2	3.66	319
401431127	2013	4	10	12	V	2.2	0.2	3.76	309
401431127	2013	4	10	13	V	2.3	0.2	4.15	327
401431127	2013	4	10	14	V	2.4	0.2	3.01	306

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	10	15	V	1.7	0.2	3.88	307
401431127	2013	4	10	16	V	2.0	0.2	4	310
401431127	2013	4	10	17	V	3.6	0.2	3.69	312
401431127	2013	4	10	18	V	3.7	0.2	3.32	304
401431127	2013	4	10	19	V	1.5	0.2	3.78	306
401431127	2013	4	10	20	V	2.9	0.1	3.37	309
401431127	2013	4	10	21	V	2.7	0.2	3.39	308
401431127	2013	4	10	22	V	1.4	0.2	2.61	309
401431127	2013	4	10	23	V	1.1	0.1	3.34	303
401431127	2013	4	10	24	V	1.5	0.1	3.08	318
401431127	2013	4	11	1	V	1.3	0.1	3.52	319
401431127	2013	4	11	2	V	0.9	0.2	3.32	312
401431127	2013	4	11	3	V	0.4	0.1	2.1	327
401431127	2013	4	11	4	V	0.5	0.1	2.76	321
401431127	2013	4	11	5	V	1.4	0.1	3.27	310
401431127	2013	4	11	6	V	0.5	0.1	3.1	313
401431127	2013	4	11	7	V	1.1	0.1	2.27	325
401431127	2013	4	11	8	V	4.0	0.2	3.13	331
401431127	2013	4	11	9	V	1.3	0.1	3.08	304
401431127	2013	4	11	10	V	2.4	-999	3.22	303
401431127	2013	4	11	11	V	1.9	-999	2.93	315
401431127	2013	4	11	12	V	2.2	0.2	3.46	297
401431127	2013	4	11	13	V	2.4	0.3	2.95	265
401431127	2013	4	11	14	V	2.4	0.4	3.08	271
401431127	2013	4	11	15	V	1.7	0.7	3.03	264
401431127	2013	4	11	16	V	2.0	0.3	3.42	270
401431127	2013	4	11	17	V	3.6	0.3	3.66	273
401431127	2013	4	11	18	V	3.7	0.3	2.64	273
401431127	2013	4	11	19	V	1.5	0.2	1.65	277
401431127	2013	4	11	20	C	-999	0.2	0	0
401431127	2013	4	11	21	C	-999	0.4	0	0
401431127	2013	4	11	22	V	1.6	0.9	0.58	250
401431127	2013	4	11	23	V	1.3	1	0.57	261
401431127	2013	4	11	24	V	3.5	0.8	0.58	217
401431127	2013	4	12	1	V	1.5	1.1	0.55	252
401431127	2013	4	12	2	C	-999	0.9	0	0
401431127	2013	4	12	3	V	0.5	0.2	1.89	351
401431127	2013	4	12	4	V	0.5	0.3	2.03	9
401431127	2013	4	12	5	V	1.4	0.2	2.61	10
401431127	2013	4	12	6	V	0.6	0.2	1.26	357
401431127	2013	4	12	7	V	1.1	0.2	1.72	13
401431127	2013	4	12	8	V	4.0	0.3	3.01	345
401431127	2013	4	12	9	V	1.3	0.2	2.67	328
401431127	2013	4	12	10	V	2.4	0.2	2.88	322
401431127	2013	4	12	11	V	1.9	0.2	4.07	318
401431127	2013	4	12	12	V	2.2	0.2	3.51	311

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	12	13	V	2.3	0.2	3.17	309
401431127	2013	4	12	14	V	2.3	0.2	3.13	315
401431127	2013	4	12	15	V	1.7	0.2	3.1	357
401431127	2013	4	12	16	V	2.1	0.2	3.63	30
401431127	2013	4	12	17	V	3.9	0.2	2.4	31
401431127	2013	4	12	18	V	4.4	0.2	1.52	48
401431127	2013	4	12	19	V	1.6	0.3	0.79	21
401431127	2013	4	12	20	V	2.9	0.3	1.26	30
401431127	2013	4	12	21	V	2.8	0.5	1.21	33
401431127	2013	4	12	22	V	2.1	0.4	1.79	40
401431127	2013	4	12	23	V	1.1	0.4	1.98	58
401431127	2013	4	12	24	V	1.5	0.3	2.25	26
401431127	2013	4	13	1	V	1.3	0.3	1.74	27
401431127	2013	4	13	2	V	1.8	0.3	2.13	53
401431127	2013	4	13	3	V	0.5	0.3	1.37	71
401431127	2013	4	13	4	V	0.6	0.3	1.21	64
401431127	2013	4	13	5	V	3.6	0.2	1.08	200
401431127	2013	4	13	6	V	0.5	0.2	1.28	250
401431127	2013	4	13	7	V	1.1	0.2	1.38	90
401431127	2013	4	13	8	V	4.0	0.3	1.84	142
401431127	2013	4	13	9	V	1.3	0.3	2.18	134
401431127	2013	4	13	10	V	2.4	0.3	3.42	158
401431127	2013	4	13	11	V	1.9	0.8	4.31	160
401431127	2013	4	13	12	V	2.2	1	6.12	164
401431127	2013	4	13	13	V	2.3	0.9	6.41	165
401431127	2013	4	13	14	V	2.3	0.7	6.19	164
401431127	2013	4	13	15	V	1.7	0.7	6.7	167
401431127	2013	4	13	16	V	2.0	0.7	6.16	164
401431127	2013	4	13	17	V	3.6	0.7	6.36	171
401431127	2013	4	13	18	V	3.7	0.8	6.94	184
401431127	2013	4	13	19	V	1.5	0.7	4.76	173
401431127	2013	4	13	20	V	2.9	0.7	4.41	179
401431127	2013	4	13	21	V	2.7	0.6	3.49	164
401431127	2013	4	13	22	V	1.4	1.3	3.91	164
401431127	2013	4	13	23	V	1.0	1.5	3.9	165
401431127	2013	4	13	24	V	1.4	1.4	3.73	170
401431127	2013	4	14	1	V	1.3	1.3	3.41	166
401431127	2013	4	14	2	V	0.9	1.2	3.17	160
401431127	2013	4	14	3	V	0.4	0.9	4.36	165
401431127	2013	4	14	4	V	0.5	1	2.89	148
401431127	2013	4	14	5	V	1.4	1.2	3.61	159
401431127	2013	4	14	6	V	0.5	1.2	3.76	168
401431127	2013	4	14	7	V	1.0	1.1	4.85	162
401431127	2013	4	14	8	V	3.9	1.3	6.02	169
401431127	2013	4	14	9	V	1.2	1.3	6.99	177
401431127	2013	4	14	10	V	2.4	1.3	9.24	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	14	11	V	1.9	1.1	9.3	176
401431127	2013	4	14	12	V	2.2	1.1	9.41	174
401431127	2013	4	14	13	V	2.3	0.9	8.54	181
401431127	2013	4	14	14	V	2.3	0.8	8.85	193
401431127	2013	4	14	15	V	1.7	0.8	7.45	188
401431127	2013	4	14	16	V	2.3	0.8	7.93	203
401431127	2013	4	14	17	V	3.6	0.7	6.43	192
401431127	2013	4	14	18	V	3.7	0.6	6.11	191
401431127	2013	4	14	19	V	1.6	0.6	4.37	187
401431127	2013	4	14	20	V	2.9	0.5	2.4	177
401431127	2013	4	14	21	V	3.9	0.5	0.91	196
401431127	2013	4	14	22	V	1.6	0.9	0.63	159
401431127	2013	4	14	23	V	1.1	0.5	4.92	5
401431127	2013	4	14	24	V	1.4	0.3	6.57	18
401431127	2013	4	15	1	V	1.3	0.4	6.6	22
401431127	2013	4	15	2	V	0.9	0.5	7.76	25
401431127	2013	4	15	3	V	0.4	0.3	8.1	29
401431127	2013	4	15	4	V	0.5	0.3	9.63	31
401431127	2013	4	15	5	V	1.4	0.3	8.86	32
401431127	2013	4	15	6	V	0.6	0.7	8.03	36
401431127	2013	4	15	7	V	1.2	2.9	6.75	37
401431127	2013	4	15	8	V	4.3	0.9	6.19	40
401431127	2013	4	15	9	V	3.0	0.6	5.87	48
401431127	2013	4	15	10	V	2.4	0.4	4.49	27
401431127	2013	4	15	11	V	1.9	1.7	5.02	24
401431127	2013	4	15	12	V	2.2	0.9	4.8	26
401431127	2013	4	15	13	V	2.3	1.8	3.75	19
401431127	2013	4	15	14	V	2.4	3.5	2.74	5
401431127	2013	4	15	15	V	1.8	2.2	2.37	21
401431127	2013	4	15	16	V	2.0	1.2	2.95	15
401431127	2013	4	15	17	V	3.6	0.7	3.71	6
401431127	2013	4	15	18	V	3.7	0.6	4.54	15
401431127	2013	4	15	19	V	1.5	0.5	5.89	21
401431127	2013	4	15	20	V	2.9	0.5	6.06	23
401431127	2013	4	15	21	V	2.7	0.4	6.43	20
401431127	2013	4	15	22	V	1.4	0.9	6.16	17
401431127	2013	4	15	23	V	1.0	0.7	6.04	23
401431127	2013	4	15	24	V	1.4	0.5	6.07	26
401431127	2013	4	16	1	V	1.3	0.4	6.41	32
401431127	2013	4	16	2	V	0.9	0.4	5.89	36
401431127	2013	4	16	3	V	0.9	0.7	5.19	40
401431127	2013	4	16	4	V	1.7	0.5	4.7	42
401431127	2013	4	16	5	V	1.4	0.6	5.31	34
401431127	2013	4	16	6	V	0.5	0.4	4.9	23
401431127	2013	4	16	7	V	1.1	0.3	4.85	23
401431127	2013	4	16	8	V	3.9	0.3	5.19	27

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	16	9	V	1.2	0.3	5.72	30
401431127	2013	4	16	10	V	2.4	0.3	5.1	29
401431127	2013	4	16	11	V	1.9	0.3	4.19	14
401431127	2013	4	16	12	V	2.2	0.4	4.8	20
401431127	2013	4	16	13	V	2.3	0.7	4	24
401431127	2013	4	16	14	V	2.3	0.9	3.4	6
401431127	2013	4	16	15	V	1.7	0.7	3.8	3
401431127	2013	4	16	16	V	2.0	0.8	4.02	8
401431127	2013	4	16	17	V	3.6	0.7	4.17	5
401431127	2013	4	16	18	V	3.7	0.4	4.49	12
401431127	2013	4	16	19	V	1.5	0.3	3.97	9
401431127	2013	4	16	20	V	2.9	0.3	3.59	13
401431127	2013	4	16	21	V	2.7	0.2	3	8
401431127	2013	4	16	22	V	1.4	0.2	3.47	15
401431127	2013	4	16	23	V	1.1	0.3	2.67	14
401431127	2013	4	16	24	V	1.5	0.3	2.86	13
401431127	2013	4	17	1	V	1.3	0.3	3	24
401431127	2013	4	17	2	V	0.9	0.3	3.1	30
401431127	2013	4	17	3	V	0.4	0.3	2.55	24
401431127	2013	4	17	4	V	0.5	0.3	2.27	33
401431127	2013	4	17	5	V	3.4	0.3	1.23	40
401431127	2013	4	17	6	V	4.5	0.3	0.82	212
401431127	2013	4	17	7	V	1.2	0.3	0.96	247
401431127	2013	4	17	8	V	4.0	0.5	2.11	86
401431127	2013	4	17	9	V	1.2	0.9	5.82	171
401431127	2013	4	17	10	V	2.4	0.6	7.47	176
401431127	2013	4	17	11	V	1.9	0.4	6.82	175
401431127	2013	4	17	12	V	2.2	0.4	8.05	180
401431127	2013	4	17	13	V	2.3	0.3	7.96	184
401431127	2013	4	17	14	V	2.3	0.3	7.89	172
401431127	2013	4	17	15	V	1.7	0.4	7.64	172
401431127	2013	4	17	16	V	2.0	0.3	9.42	174
401431127	2013	4	17	17	V	3.6	0.3	7.38	175
401431127	2013	4	17	18	V	3.7	0.3	6.45	173
401431127	2013	4	17	19	V	1.5	0.4	5.02	169
401431127	2013	4	17	20	V	2.9	0.4	5.27	161
401431127	2013	4	17	21	V	2.7	0.4	5.63	160
401431127	2013	4	17	22	V	5.9	0.4	4.42	205
401431127	2013	4	17	23	V	1.1	0.4	3.59	304
401431127	2013	4	17	24	V	2.3	0.3	3.49	195
401431127	2013	4	18	1	V	1.4	0.5	2.76	190
401431127	2013	4	18	2	V	0.9	0.5	3.88	284
401431127	2013	4	18	3	V	0.4	0.4	4.46	284
401431127	2013	4	18	4	V	0.5	0.3	5.22	298
401431127	2013	4	18	5	V	1.4	0.3	4.39	314
401431127	2013	4	18	6	V	0.5	0.4	3.9	305

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	18	7	V	1.1	0.3	4.88	309
401431127	2013	4	18	8	V	3.9	0.3	4.17	312
401431127	2013	4	18	9	V	1.2	0.2	4.27	307
401431127	2013	4	18	10	V	2.4	0.2	4.54	312
401431127	2013	4	18	11	V	1.9	0.2	4.68	315
401431127	2013	4	18	12	V	2.2	0.2	4.05	311
401431127	2013	4	18	13	V	2.3	0.2	4.65	314
401431127	2013	4	18	14	V	2.3	0.2	4.61	307
401431127	2013	4	18	15	V	1.7	0.2	4.75	307
401431127	2013	4	18	16	V	2.0	0.2	4.93	309
401431127	2013	4	18	17	V	3.6	0.2	4.99	322
401431127	2013	4	18	18	V	3.7	0.2	4.9	322
401431127	2013	4	18	19	V	1.5	0.2	4.61	309
401431127	2013	4	18	20	V	2.9	0.2	4.54	320
401431127	2013	4	18	21	V	2.7	0.1	4.2	321
401431127	2013	4	18	22	V	1.4	0.1	3.46	325
401431127	2013	4	18	23	V	1.1	0.2	3.12	315
401431127	2013	4	18	24	V	1.5	0.1	2.52	298
401431127	2013	4	19	1	V	1.3	0.1	2.27	292
401431127	2013	4	19	2	V	0.9	0.1	2.11	281
401431127	2013	4	19	3	V	0.5	0.2	1.74	282
401431127	2013	4	19	4	V	0.5	0.2	2.44	286
401431127	2013	4	19	5	V	1.4	0.2	2.3	283
401431127	2013	4	19	6	V	0.5	0.2	2.1	274
401431127	2013	4	19	7	V	1.1	0.2	2.39	272
401431127	2013	4	19	8	V	4.0	0.3	3.1	297
401431127	2013	4	19	9	V	1.3	0.3	3.4	291
401431127	2013	4	19	10	V	2.4	0.4	4.12	306
401431127	2013	4	19	11	V	1.9	0.4	4.1	302
401431127	2013	4	19	12	V	2.2	0.3	4.17	298
401431127	2013	4	19	13	V	2.3	0.3	3.49	274
401431127	2013	4	19	14	V	2.3	0.7	3.83	260
401431127	2013	4	19	15	V	1.7	0.8	4.05	272
401431127	2013	4	19	16	V	2.0	0.5	3.98	270
401431127	2013	4	19	17	V	3.6	0.3	4	265
401431127	2013	4	19	18	V	3.7	0.5	2.62	267
401431127	2013	4	19	19	V	1.5	0.3	2.25	242
401431127	2013	4	19	20	V	3.0	0.4	1.31	229
401431127	2013	4	19	21	V	2.7	0.7	1.38	233
401431127	2013	4	19	22	C	-999	0.9	0	0
401431127	2013	4	19	23	V	1.1	0.4	1.16	328
401431127	2013	4	19	24	V	1.6	0.4	1.06	265
401431127	2013	4	20	1	V	3.0	0.6	1.09	218
401431127	2013	4	20	2	V	2.0	0.8	0.62	196
401431127	2013	4	20	3	V	0.6	0.7	0.75	235
401431127	2013	4	20	4	V	0.7	0.8	0.55	310

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	20	5	C	-999	0.8	0	0
401431127	2013	4	20	6	C	-999	0.8	0	0
401431127	2013	4	20	7	C	-999	0.9	0	0
401431127	2013	4	20	8	V	4.1	0.5	1.89	140
401431127	2013	4	20	9	V	1.3	0.4	3.06	147
401431127	2013	4	20	10	V	2.5	0.7	2.78	158
401431127	2013	4	20	11	V	1.9	0.7	3.08	163
401431127	2013	4	20	12	V	2.2	0.6	3.86	139
401431127	2013	4	20	13	V	2.3	0.4	4.42	164
401431127	2013	4	20	14	V	2.3	0.3	6.18	174
401431127	2013	4	20	15	V	1.7	0.3	6.04	170
401431127	2013	4	20	16	V	2.0	0.3	7.26	168
401431127	2013	4	20	17	V	3.6	0.4	6.82	167
401431127	2013	4	20	18	V	3.7	1	5.77	160
401431127	2013	4	20	19	V	1.5	0.6	4.29	158
401431127	2013	4	20	20	V	2.9	0.4	3.12	137
401431127	2013	4	20	21	V	2.7	0.6	2.44	141
401431127	2013	4	20	22	V	1.4	1	2.33	129
401431127	2013	4	20	23	V	1.1	0.7	2.49	143
401431127	2013	4	20	24	V	1.5	0.6	2.98	156
401431127	2013	4	21	1	V	1.3	0.5	2.78	153
401431127	2013	4	21	2	V	0.9	0.4	3.49	161
401431127	2013	4	21	3	V	0.4	0.4	4.34	149
401431127	2013	4	21	4	V	0.5	0.4	4.24	161
401431127	2013	4	21	5	V	1.4	0.3	4.32	169
401431127	2013	4	21	6	V	0.5	0.3	4.85	173
401431127	2013	4	21	7	V	1.1	0.3	5.04	152
401431127	2013	4	21	8	V	3.9	0.3	5.07	154
401431127	2013	4	21	9	V	1.2	0.4	5.84	166
401431127	2013	4	21	10	V	2.4	0.5	5.99	168
401431127	2013	4	21	11	V	1.9	0.5	5.43	165
401431127	2013	4	21	12	V	2.2	0.6	6.69	165
401431127	2013	4	21	13	V	2.3	0.5	6.28	163
401431127	2013	4	21	14	V	2.3	0.5	6.53	167
401431127	2013	4	21	15	V	1.7	0.5	5.9	161
401431127	2013	4	21	16	V	2.0	0.4	5.48	162
401431127	2013	4	21	17	V	3.6	0.4	5.7	163
401431127	2013	4	21	18	V	3.7	0.4	4.93	152
401431127	2013	4	21	19	V	1.5	0.4	3.8	165
401431127	2013	4	21	20	V	2.9	0.4	1.96	172
401431127	2013	4	21	21	V	2.9	0.4	0.63	248
401431127	2013	4	21	22	C	-999	0.5	0	0
401431127	2013	4	21	23	C	-999	0.8	0	0
401431127	2013	4	21	24	C	-999	0.8	0	0
401431127	2013	4	22	1	V	3.9	0.8	0.63	202
401431127	2013	4	22	2	V	0.9	0.3	1.74	162

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	22	3	V	0.5	0.3	1.26	185
401431127	2013	4	22	4	V	4.3	0.3	0.79	212
401431127	2013	4	22	5	V	1.6	0.3	0.77	174
401431127	2013	4	22	6	V	0.6	0.3	1.03	160
401431127	2013	4	22	7	V	1.2	0.3	1.3	190
401431127	2013	4	22	8	V	4.0	0.5	2.89	155
401431127	2013	4	22	9	V	1.3	0.6	4.77	163
401431127	2013	4	22	10	V	2.4	0.6	6.48	169
401431127	2013	4	22	11	V	1.9	0.8	7.6	168
401431127	2013	4	22	12	V	2.2	-999	7.13	170
401431127	2013	4	22	13	V	2.3	-999	7.15	169
401431127	2013	4	22	14	V	2.3	-999	7.67	172
401431127	2013	4	22	15	V	1.7	0.8	7.35	173
401431127	2013	4	22	16	V	2.0	0.6	7.11	178
401431127	2013	4	22	17	V	3.6	0.6	6.4	172
401431127	2013	4	22	18	V	3.7	0.6	5.43	170
401431127	2013	4	22	19	V	1.5	0.6	2.79	166
401431127	2013	4	22	20	V	2.9	0.6	4.48	166
401431127	2013	4	22	21	V	2.7	0.6	4.48	169
401431127	2013	4	22	22	V	1.4	0.6	3.73	170
401431127	2013	4	22	23	V	1.1	0.7	3.27	166
401431127	2013	4	22	24	V	1.5	0.5	2.89	165
401431127	2013	4	23	1	V	1.3	0	3.76	155
401431127	2013	4	23	2	V	0.9	0	2.22	172
401431127	2013	4	23	3	V	6.4	0.1	1.5	204
401431127	2013	4	23	4	V	0.5	0	2.3	333
401431127	2013	4	23	5	V	1.4	-999	4.88	356
401431127	2013	4	23	6	V	0.5	-999	5.44	5
401431127	2013	4	23	7	V	1.1	-999	4.25	360
401431127	2013	4	23	8	V	3.9	-999	4.58	356
401431127	2013	4	23	9	V	1.2	-999	4.66	358
401431127	2013	4	23	10	V	2.4	-999	4.82	360
401431127	2013	4	23	11	V	1.9	-999	4.83	353
401431127	2013	4	23	12	V	2.2	-999	4.36	348
401431127	2013	4	23	13	V	2.3	-999	4	347
401431127	2013	4	23	14	V	2.3	-999	4.36	350
401431127	2013	4	23	15	V	1.7	-999	4.49	354
401431127	2013	4	23	16	V	2.0	-999	4.32	349
401431127	2013	4	23	17	V	3.6	-999	3.97	347
401431127	2013	4	23	18	V	3.7	-999	4.12	353
401431127	2013	4	23	19	V	1.5	-999	4.2	347
401431127	2013	4	23	20	V	2.9	-999	3.91	347
401431127	2013	4	23	21	V	2.7	-999	4.37	353
401431127	2013	4	23	22	V	1.4	-999	3.83	342
401431127	2013	4	23	23	V	1.1	-999	3.63	341
401431127	2013	4	23	24	V	1.5	-999	3.47	343

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	24	1	V	1.3	-999	2.84	334
401431127	2013	4	24	2	V	0.9	-999	3.49	332
401431127	2013	4	24	3	V	0.4	-999	3.71	335
401431127	2013	4	24	4	V	0.5	-999	2.16	340
401431127	2013	4	24	5	V	1.4	-999	1.76	343
401431127	2013	4	24	6	V	0.5	-999	1.72	337
401431127	2013	4	24	7	V	1.1	-999	2.01	337
401431127	2013	4	24	8	V	4.0	-999	2.47	341
401431127	2013	4	24	9	V	1.3	0	3.75	354
401431127	2013	4	24	10	V	2.4	-999	3.01	348
401431127	2013	4	24	11	V	1.9	-999	3.9	357
401431127	2013	4	24	12	V	2.2	-999	3.29	356
401431127	2013	4	24	13	V	2.4	-999	2.62	353
401431127	2013	4	24	14	V	2.4	-999	2.35	315
401431127	2013	4	24	15	V	1.7	0	2.81	340
401431127	2013	4	24	16	V	2.2	-999	3.27	32
401431127	2013	4	24	17	V	3.7	-999	2.71	29
401431127	2013	4	24	18	V	3.8	0	2.35	30
401431127	2013	4	24	19	V	1.5	0	1.06	360
401431127	2013	4	24	20	V	4.8	-999	0.72	218
401431127	2013	4	24	21	V	2.8	0	0.84	163
401431127	2013	4	24	22	V	1.4	0	1.06	237
401431127	2013	4	24	23	V	1.1	0.1	1.06	234
401431127	2013	4	24	24	V	2.6	0	0.57	221
401431127	2013	4	25	1	V	1.5	0	0.58	237
401431127	2013	4	25	2	V	1.1	0.1	0.53	257
401431127	2013	4	25	3	V	1.2	0.1	0.7	223
401431127	2013	4	25	4	V	0.9	0.2	0.94	223
401431127	2013	4	25	5	V	3.2	0.2	0.8	199
401431127	2013	4	25	6	C	-999	0.4	0	0
401431127	2013	4	25	7	V	2.5	1.2	0.67	220
401431127	2013	4	25	8	V	4.4	23.2	0.79	155
401431127	2013	4	25	9	V	1.5	36.3	1.47	166
401431127	2013	4	25	10	V	2.6	11.6	1.45	162
401431127	2013	4	25	11	V	2.0	2.6	1.84	93
401431127	2013	4	25	12	V	2.3	0.4	2.44	146
401431127	2013	4	25	13	V	2.3	0	3.03	137
401431127	2013	4	25	14	V	2.3	0	4.39	161
401431127	2013	4	25	15	V	1.7	0	4.56	173
401431127	2013	4	25	16	V	2.0	0	4.36	160
401431127	2013	4	25	17	V	3.6	0	4.44	158
401431127	2013	4	25	18	V	3.7	0	3.61	144
401431127	2013	4	25	19	V	1.5	0.1	3.71	129
401431127	2013	4	25	20	V	2.9	0.2	3.03	129
401431127	2013	4	25	21	V	2.7	0.2	2.59	144
401431127	2013	4	25	22	V	1.4	1.8	2.66	156

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	25	23	V	1.1	0.5	3.92	174
401431127	2013	4	25	24	V	1.5	0.1	3.68	173
401431127	2013	4	26	1	V	1.3	0.1	5.6	173
401431127	2013	4	26	2	V	0.9	0.1	4.93	168
401431127	2013	4	26	3	V	0.4	0.2	4.36	174
401431127	2013	4	26	4	V	0.5	0.2	4.24	176
401431127	2013	4	26	5	V	1.4	0.2	3.93	167
401431127	2013	4	26	6	V	0.5	0.2	3.59	158
401431127	2013	4	26	7	V	1.1	0.2	3.98	167
401431127	2013	4	26	8	V	3.9	0.1	4.25	167
401431127	2013	4	26	9	V	1.3	0	3.1	73
401431127	2013	4	26	10	V	6.8	0	4.12	51
401431127	2013	4	26	11	V	1.9	0	5.62	68
401431127	2013	4	26	12	V	2.2	0	5.65	98
401431127	2013	4	26	13	V	2.3	0	5.73	106
401431127	2013	4	26	14	V	2.3	-999	6.65	116
401431127	2013	4	26	15	V	1.7	-999	5.73	122
401431127	2013	4	26	16	V	2.0	0	5.43	124
401431127	2013	4	26	17	V	3.6	0	3.73	122
401431127	2013	4	26	18	V	3.7	0	3.15	121
401431127	2013	4	26	19	V	1.5	0	3.29	113
401431127	2013	4	26	20	V	2.9	0	3.25	112
401431127	2013	4	26	21	V	2.7	0	3.07	103
401431127	2013	4	26	22	V	1.4	0	2.5	71
401431127	2013	4	26	23	V	1.1	0	1.98	64
401431127	2013	4	26	24	V	1.4	-999	6.13	126
401431127	2013	4	27	1	V	1.4	-999	3.1	37
401431127	2013	4	27	2	V	0.9	-999	2.54	342
401431127	2013	4	27	3	V	0.4	-999	1.89	354
401431127	2013	4	27	4	V	0.5	-999	1.99	18
401431127	2013	4	27	5	V	1.5	-999	1.38	351
401431127	2013	4	27	6	V	0.5	-999	2.2	345
401431127	2013	4	27	7	V	1.1	-999	1.67	351
401431127	2013	4	27	8	V	4.1	-999	1.76	335
401431127	2013	4	27	9	V	1.3	-999	2.47	331
401431127	2013	4	27	10	V	2.4	-999	2.74	328
401431127	2013	4	27	11	V	1.9	-999	2.66	321
401431127	2013	4	27	12	V	2.2	-999	3.23	325
401431127	2013	4	27	13	V	2.4	-999	3.01	328
401431127	2013	4	27	14	V	2.4	-999	2.98	327
401431127	2013	4	27	15	V	1.7	-999	3.52	328
401431127	2013	4	27	16	V	2.0	-999	2.89	353
401431127	2013	4	27	17	V	3.7	-999	2.52	8
401431127	2013	4	27	18	V	3.7	-999	1.96	19
401431127	2013	4	27	19	V	1.5	-999	1.42	14
401431127	2013	4	27	20	V	3.1	-999	0.72	358

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	27	21	C	-999	-999	0	0
401431127	2013	4	27	22	C	-999	-999	0	0
401431127	2013	4	27	23	C	-999	0	0	0
401431127	2013	4	27	24	C	-999	0	0	0
401431127	2013	4	28	1	V	1.4	-999	1.21	80
401431127	2013	4	28	2	V	1.0	-999	0.87	27
401431127	2013	4	28	3	V	1.0	-999	0.63	225
401431127	2013	4	28	4	V	4.1	0	0.87	203
401431127	2013	4	28	5	V	3.7	-999	0.75	217
401431127	2013	4	28	6	V	4.3	0	1.23	215
401431127	2013	4	28	7	V	5.9	0	1.77	209
401431127	2013	4	28	8	V	4.2	0.7	2.66	188
401431127	2013	4	28	9	V	1.6	1.5	1.48	159
401431127	2013	4	28	10	V	2.6	5.6	1.84	173
401431127	2013	4	28	11	V	2.1	7.9	1.96	159
401431127	2013	4	28	12	V	2.4	4.4	1.98	156
401431127	2013	4	28	13	V	2.4	4	2.59	162
401431127	2013	4	28	14	V	2.4	3.5	2.61	154
401431127	2013	4	28	15	V	1.7	2.8	2.78	157
401431127	2013	4	28	16	V	2.0	1.8	3.12	155
401431127	2013	4	28	17	V	3.6	0.3	4.41	166
401431127	2013	4	28	18	V	3.7	0.1	4.36	155
401431127	2013	4	28	19	V	1.5	0.2	4.1	161
401431127	2013	4	28	20	V	2.9	0.1	2.72	165
401431127	2013	4	28	21	V	2.7	0	2.04	166
401431127	2013	4	28	22	V	1.4	0	2.93	179
401431127	2013	4	28	23	V	1.1	0	3.01	179
401431127	2013	4	28	24	V	1.5	0	1.82	160
401431127	2013	4	29	1	V	1.5	0	0.62	174
401431127	2013	4	29	2	V	1.0	0	0.63	166
401431127	2013	4	29	3	V	2.6	0	0.86	200
401431127	2013	4	29	4	V	6.4	0	1.06	211
401431127	2013	4	29	5	V	1.8	0	0.65	228
401431127	2013	4	29	6	V	0.6	0	2.22	191
401431127	2013	4	29	7	V	1.1	0	2.25	154
401431127	2013	4	29	8	V	4.0	0.1	2.95	168
401431127	2013	4	29	9	V	1.3	0.1	4.53	183
401431127	2013	4	29	10	V	2.4	0.1	5.36	189
401431127	2013	4	29	11	V	1.9	0.2	5.51	190
401431127	2013	4	29	12	V	2.2	0.2	5.84	189
401431127	2013	4	29	13	V	2.3	0.2	6.84	188
401431127	2013	4	29	14	V	2.3	0.2	7.35	186
401431127	2013	4	29	15	V	1.7	0.2	7.13	188
401431127	2013	4	29	16	V	2.1	0.4	7.77	196
401431127	2013	4	29	17	V	3.6	0.2	8.25	192
401431127	2013	4	29	18	V	3.7	0.1	7.64	186

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	4	29	19	V	1.6	0	6.06	188
401431127	2013	4	29	20	V	2.9	0	4.26	184
401431127	2013	4	29	21	V	2.7	0	4.85	186
401431127	2013	4	29	22	V	1.5	0	5.51	188
401431127	2013	4	29	23	V	1.1	0.2	7.08	183
401431127	2013	4	29	24	V	1.6	0.4	5.89	190
401431127	2013	4	30	1	V	1.5	0.3	4.77	190
401431127	2013	4	30	2	V	0.9	0.3	4.51	184
401431127	2013	4	30	3	V	0.5	0.3	3.66	188
401431127	2013	4	30	4	V	0.6	0.2	2.42	191
401431127	2013	4	30	5	V	1.5	0.2	1.31	150
401431127	2013	4	30	6	V	0.7	0.1	0.75	158
401431127	2013	4	30	7	V	1.2	0.1	1.3	141
401431127	2013	4	30	8	V	4.0	0.2	3.46	178
401431127	2013	4	30	9	V	1.3	0.1	5.68	187
401431127	2013	4	30	10	V	2.4	0.1	6.45	189
401431127	2013	4	30	11	V	1.9	0.1	7.55	186
401431127	2013	4	30	12	V	2.2	0.1	6.94	178
401431127	2013	4	30	13	V	2.3	0.1	7.16	173
401431127	2013	4	30	14	V	2.3	0.1	7.43	168
401431127	2013	4	30	15	V	1.7	0.1	7.04	167
401431127	2013	4	30	16	V	2.0	0.2	6.96	158
401431127	2013	4	30	17	V	3.6	0.2	6.55	161
401431127	2013	4	30	18	V	3.7	0.4	6.13	166
401431127	2013	4	30	19	V	1.5	0.5	4.8	166
401431127	2013	4	30	20	V	2.9	0.1	3.1	171
401431127	2013	4	30	21	V	2.7	0.1	2.76	159
401431127	2013	4	30	22	V	1.4	0	2.81	159
401431127	2013	4	30	23	V	1.1	0	1.98	164
401431127	2013	4	30	24	V	1.5	0	2.33	174
401431127	2013	5	1	1	V	1.3	0	3.54	173
401431127	2013	5	1	2	V	0.9	0	3.57	178
401431127	2013	5	1	3	V	0.4	0	3.01	178
401431127	2013	5	1	4	V	0.5	0	2.35	166
401431127	2013	5	1	5	V	1.4	0	2.18	153
401431127	2013	5	1	6	V	0.5	0	1.82	157
401431127	2013	5	1	7	V	1.1	0	2.78	152
401431127	2013	5	1	8	V	3.9	0	4.32	151
401431127	2013	5	1	9	V	1.2	0	5.53	144
401431127	2013	5	1	10	V	2.4	0	5.04	152
401431127	2013	5	1	11	V	1.9	0	4.39	173
401431127	2013	5	1	12	V	2.2	0	3.8	168
401431127	2013	5	1	13	V	2.3	0	3.61	175
401431127	2013	5	1	14	V	2.3	0	5.33	145
401431127	2013	5	1	15	V	1.7	0	5.65	136
401431127	2013	5	1	16	V	2.0	0	5.56	147

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	1	17	V	3.6	0	4.97	143
401431127	2013	5	1	18	V	3.7	0	4.7	145
401431127	2013	5	1	19	V	1.5	0	4.39	148
401431127	2013	5	1	20	V	2.9	0	4.46	140
401431127	2013	5	1	21	V	2.7	0	4.31	138
401431127	2013	5	1	22	V	1.4	0	3.22	139
401431127	2013	5	1	23	V	1.1	0	3.17	174
401431127	2013	5	1	24	V	1.5	-999	4.17	350
401431127	2013	5	2	1	V	1.3	-999	3.71	340
401431127	2013	5	2	2	V	0.9	-999	3.59	337
401431127	2013	5	2	3	V	0.4	-999	4	341
401431127	2013	5	2	4	V	0.5	-999	4.2	343
401431127	2013	5	2	5	V	1.4	-999	4.46	356
401431127	2013	5	2	6	V	0.5	-999	4.49	354
401431127	2013	5	2	7	V	1.1	-999	4.12	347
401431127	2013	5	2	8	V	3.9	-999	5.17	351
401431127	2013	5	2	9	V	1.2	-999	5.07	350
401431127	2013	5	2	10	V	2.4	-999	5.67	4
401431127	2013	5	2	11	V	1.9	-999	5.04	352
401431127	2013	5	2	12	V	2.2	-999	6.18	349
401431127	2013	5	2	13	V	2.3	-999	4.78	353
401431127	2013	5	2	14	V	2.3	-999	5.62	354
401431127	2013	5	2	15	V	1.7	-999	6.13	354
401431127	2013	5	2	16	V	2.0	-999	5.6	351
401431127	2013	5	2	17	V	3.6	-999	5.73	356
401431127	2013	5	2	18	V	3.7	-999	5.56	353
401431127	2013	5	2	19	V	1.5	-999	5.39	355
401431127	2013	5	2	20	V	2.9	-999	5.48	353
401431127	2013	5	2	21	V	2.7	-999	5.68	358
401431127	2013	5	2	22	V	1.4	-999	5.29	1
401431127	2013	5	2	23	V	1.1	-999	5.5	3
401431127	2013	5	2	24	V	1.4	-999	5.62	5
401431127	2013	5	3	1	V	1.3	-999	4.02	360
401431127	2013	5	3	2	V	0.9	-999	2.93	339
401431127	2013	5	3	3	V	0.4	-999	1.86	312
401431127	2013	5	3	4	V	0.6	-999	1.74	305
401431127	2013	5	3	5	V	1.4	-999	2.11	311
401431127	2013	5	3	6	V	0.5	-999	2.59	316
401431127	2013	5	3	7	V	1.1	-999	2.74	327
401431127	2013	5	3	8	V	3.9	0	3.95	335
401431127	2013	5	3	9	V	1.3	0	4.94	343
401431127	2013	5	3	10	V	2.4	0	5.41	340
401431127	2013	5	3	11	V	1.9	0	5.8	337
401431127	2013	5	3	12	V	2.2	0	5.82	332
401431127	2013	5	3	13	V	2.3	0	6.04	330
401431127	2013	5	3	14	V	2.3	0	6.33	332

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	3	15	V	1.7	-999	6.43	334
401431127	2013	5	3	16	V	2.0	0	6.21	341
401431127	2013	5	3	17	V	3.6	0	5.67	335
401431127	2013	5	3	18	V	3.7	-999	4.85	323
401431127	2013	5	3	19	V	1.5	-999	4.25	332
401431127	2013	5	3	20	V	2.9	-999	2.98	333
401431127	2013	5	3	21	V	2.7	0	2.15	356
401431127	2013	5	3	22	V	1.5	0	0.99	327
401431127	2013	5	3	23	V	1.1	-999	2.08	93
401431127	2013	5	3	24	V	1.5	-999	1.47	247
401431127	2013	5	4	1	V	1.4	-999	0.94	262
401431127	2013	5	4	2	V	1.0	0	0.84	305
401431127	2013	5	4	3	V	0.4	-999	3.03	14
401431127	2013	5	4	4	V	0.5	-999	2.45	9
401431127	2013	5	4	5	V	1.4	-999	1.88	269
401431127	2013	5	4	6	V	0.5	-999	2.08	319
401431127	2013	5	4	7	V	1.1	-999	2.28	323
401431127	2013	5	4	8	V	4.0	-999	2.9	311
401431127	2013	5	4	9	V	1.3	-999	2.96	308
401431127	2013	5	4	10	V	2.4	-999	3.03	307
401431127	2013	5	4	11	V	1.9	-999	3.35	311
401431127	2013	5	4	12	V	2.2	-999	3.63	306
401431127	2013	5	4	13	V	2.3	-999	3.85	294
401431127	2013	5	4	14	V	2.3	-999	3.64	303
401431127	2013	5	4	15	V	1.7	-999	3.35	296
401431127	2013	5	4	16	V	2.0	-999	3	311
401431127	2013	5	4	17	V	3.6	-999	2.86	316
401431127	2013	5	4	18	V	3.7	-999	3.15	332
401431127	2013	5	4	19	V	1.5	-999	2.91	329
401431127	2013	5	4	20	V	2.9	-999	2.3	324
401431127	2013	5	4	21	V	2.7	-999	2.08	343
401431127	2013	5	4	22	V	1.4	-999	2.11	335
401431127	2013	5	4	23	V	1.1	-999	1.96	329
401431127	2013	5	4	24	V	1.5	-999	1.84	336
401431127	2013	5	5	1	V	1.3	-999	2.52	2
401431127	2013	5	5	2	V	0.9	-999	2.49	358
401431127	2013	5	5	3	V	0.4	-999	2.08	1
401431127	2013	5	5	4	V	0.6	-999	1.59	346
401431127	2013	5	5	5	V	1.4	-999	1.55	332
401431127	2013	5	5	6	V	0.5	-999	1.59	325
401431127	2013	5	5	7	V	1.1	-999	1.67	316
401431127	2013	5	5	8	V	4.0	-999	1.88	314
401431127	2013	5	5	9	V	1.3	-999	2.88	328
401431127	2013	5	5	10	V	2.4	-999	3	338
401431127	2013	5	5	11	V	1.9	-999	3.34	353
401431127	2013	5	5	12	V	2.2	-999	2.79	347

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	5	13	V	2.4	-999	2.61	342
401431127	2013	5	5	14	V	2.4	-999	2.27	334
401431127	2013	5	5	15	V	1.7	-999	2.32	338
401431127	2013	5	5	16	V	2.0	-999	2.79	335
401431127	2013	5	5	17	V	3.6	-999	2.55	330
401431127	2013	5	5	18	V	3.7	-999	2.37	334
401431127	2013	5	5	19	V	1.5	-999	1.71	329
401431127	2013	5	5	20	V	3.0	0	0.89	344
401431127	2013	5	5	21	V	2.8	0	1.3	340
401431127	2013	5	5	22	V	1.5	-999	0.99	300
401431127	2013	5	5	23	V	1.2	0	1.09	321
401431127	2013	5	5	24	V	1.5	0	1.21	331
401431127	2013	5	6	1	V	1.4	0	0.82	318
401431127	2013	5	6	2	V	1.1	0.1	0.63	292
401431127	2013	5	6	3	V	0.6	0	0.62	289
401431127	2013	5	6	4	V	0.6	-999	0.97	278
401431127	2013	5	6	5	V	1.5	-999	1.21	302
401431127	2013	5	6	6	V	0.6	-999	1.33	329
401431127	2013	5	6	7	V	1.1	-999	2.91	9
401431127	2013	5	6	8	V	4.0	0	2.54	11
401431127	2013	5	6	9	V	1.3	-999	2.33	360
401431127	2013	5	6	10	V	2.5	-999	2.15	345
401431127	2013	5	6	11	V	2.0	-999	2.11	344
401431127	2013	5	6	12	V	2.3	-999	2.16	340
401431127	2013	5	6	13	V	2.4	0	2.71	8
401431127	2013	5	6	14	V	2.4	0	2.9	17
401431127	2013	5	6	15	V	2.5	-999	2.21	32
401431127	2013	5	6	16	V	2.9	-999	1.96	36
401431127	2013	5	6	17	V	4.1	-999	2.67	31
401431127	2013	5	6	18	V	3.7	0	1.94	13
401431127	2013	5	6	19	V	1.5	-999	1.23	19
401431127	2013	5	6	20	V	3.0	0	1.43	34
401431127	2013	5	6	21	C	-999	0	0	0
401431127	2013	5	6	22	V	1.6	0	0.67	319
401431127	2013	5	6	23	V	1.2	0	0.53	330
401431127	2013	5	6	24	V	1.6	0	0.91	296
401431127	2013	5	7	1	C	-999	0	0	0
401431127	2013	5	7	2	V	1.1	0.1	0.57	276
401431127	2013	5	7	3	C	-999	0.1	0	0
401431127	2013	5	7	4	V	0.7	0.2	0.57	25
401431127	2013	5	7	5	V	1.6	0.4	0.52	268
401431127	2013	5	7	6	V	0.7	0.5	0.74	2
401431127	2013	5	7	7	V	1.7	0.3	0.69	238
401431127	2013	5	7	8	V	6.2	0.2	1.06	215
401431127	2013	5	7	9	V	1.5	0	1.48	141
401431127	2013	5	7	10	V	3.0	0.3	2.03	195

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	7	11	V	2.3	0.4	1.48	188
401431127	2013	5	7	12	V	2.3	0.2	2.22	138
401431127	2013	5	7	13	V	2.5	0.3	1.86	150
401431127	2013	5	7	14	V	2.4	0.3	2.27	157
401431127	2013	5	7	15	V	1.7	0.1	2.47	117
401431127	2013	5	7	16	V	2.0	0	2.86	137
401431127	2013	5	7	17	V	3.6	0	3.88	149
401431127	2013	5	7	18	V	3.7	0	3.75	169
401431127	2013	5	7	19	V	1.5	0	3.01	165
401431127	2013	5	7	20	V	3.0	0	1.06	118
401431127	2013	5	7	21	C	-999	0.1	0	0
401431127	2013	5	7	22	C	-999	0.4	0	0
401431127	2013	5	7	23	V	3.3	0.3	1.03	200
401431127	2013	5	7	24	V	1.5	0.3	1.33	159
401431127	2013	5	8	1	V	1.3	0	1.65	180
401431127	2013	5	8	2	V	0.9	0	1.43	164
401431127	2013	5	8	3	V	0.4	0	1.98	167
401431127	2013	5	8	4	V	0.5	0	1.93	163
401431127	2013	5	8	5	V	1.4	0	2.1	155
401431127	2013	5	8	6	V	0.5	0.2	2.52	163
401431127	2013	5	8	7	V	1.1	0.2	2.93	167
401431127	2013	5	8	8	V	4.0	0.5	2.35	130
401431127	2013	5	8	9	V	1.3	0.1	3.18	146
401431127	2013	5	8	10	V	2.4	0.2	3.08	142
401431127	2013	5	8	11	V	1.9	0.4	3.13	106
401431127	2013	5	8	12	V	2.2	0.5	4.63	142
401431127	2013	5	8	13	V	2.3	0.7	5.85	169
401431127	2013	5	8	14	V	2.3	0.6	6.16	159
401431127	2013	5	8	15	V	1.7	0.4	6.45	166
401431127	2013	5	8	16	V	2.0	0.5	7.62	172
401431127	2013	5	8	17	V	3.6	0.4	7.2	169
401431127	2013	5	8	18	V	3.7	0.7	5.96	171
401431127	2013	5	8	19	V	1.5	1.1	5.29	179
401431127	2013	5	8	20	V	2.9	1	3.61	172
401431127	2013	5	8	21	V	2.7	0.9	4.09	186
401431127	2013	5	8	22	V	7.3	1.3	2.17	210
401431127	2013	5	8	23	M	-999	1.5	999	999
401431127	2013	5	8	24	M	-999	0.2	999	999
401431127	2013	5	9	1	M	-999	0	999	999
401431127	2013	5	9	2	M	-999	0	999	999
401431127	2013	5	9	3	M	-999	0	999	999
401431127	2013	5	9	4	M	-999	0	999	999
401431127	2013	5	9	5	M	-999	-999	999	999
401431127	2013	5	9	6	V	0.8	0	1.28	36
401431127	2013	5	9	7	V	1.2	0	1.84	152
401431127	2013	5	9	8	V	4.0	0	3.1	136

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	9	9	V	1.3	0	3.32	165
401431127	2013	5	9	10	V	2.4	0	3.57	176
401431127	2013	5	9	11	V	1.9	0	3.52	177
401431127	2013	5	9	12	V	2.2	0	3.85	174
401431127	2013	5	9	13	V	2.3	0	4.17	185
401431127	2013	5	9	14	V	2.6	0.2	4.24	197
401431127	2013	5	9	15	V	2.5	0.7	3.51	213
401431127	2013	5	9	16	V	2.9	0.2	1.82	215
401431127	2013	5	9	17	V	3.9	0.1	2.22	192
401431127	2013	5	9	18	V	4.0	0	1.54	225
401431127	2013	5	9	19	V	1.6	0	0.92	266
401431127	2013	5	9	20	V	3.0	0	0.75	241
401431127	2013	5	9	21	V	2.8	0	0.94	259
401431127	2013	5	9	22	C	-999	0	0	0
401431127	2013	5	9	23	V	1.1	0	1.26	289
401431127	2013	5	9	24	V	1.6	0	0.82	264
401431127	2013	5	10	1	V	1.3	0	1.43	229
401431127	2013	5	10	2	V	1.0	0	0.96	148
401431127	2013	5	10	3	V	0.6	0	0.84	279
401431127	2013	5	10	4	V	0.6	0	0.96	300
401431127	2013	5	10	5	V	1.4	0	1.81	9
401431127	2013	5	10	6	V	0.5	-999	1.67	346
401431127	2013	5	10	7	V	1.2	0	1.65	337
401431127	2013	5	10	8	V	4.0	0	3.37	360
401431127	2013	5	10	9	V	1.3	0	3.17	343
401431127	2013	5	10	10	V	2.4	-999	3.03	320
401431127	2013	5	10	11	V	1.9	-999	3.51	350
401431127	2013	5	10	12	V	2.2	0	3.18	345
401431127	2013	5	10	13	V	2.4	0	2.81	348
401431127	2013	5	10	14	V	2.3	0	3.42	360
401431127	2013	5	10	15	V	1.7	0	3.23	15
401431127	2013	5	10	16	V	2.0	0	3.39	355
401431127	2013	5	10	17	V	3.6	0	3.44	360
401431127	2013	5	10	18	V	3.7	-999	4.1	15
401431127	2013	5	10	19	V	1.5	0	4.87	12
401431127	2013	5	10	20	V	2.9	0	3.63	20
401431127	2013	5	10	21	V	2.7	0	1.67	360
401431127	2013	5	10	22	V	1.6	0	0.63	296
401431127	2013	5	10	23	V	1.2	0	0.74	285
401431127	2013	5	10	24	C	-999	-999	0	0
401431127	2013	5	11	1	V	1.5	-999	0.74	236
401431127	2013	5	11	2	V	1.1	-999	0.6	269
401431127	2013	5	11	3	V	0.6	-999	0.65	316
401431127	2013	5	11	4	V	0.7	-999	0.67	287
401431127	2013	5	11	5	V	1.5	-999	0.79	238
401431127	2013	5	11	6	V	0.8	-999	0.75	228

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	11	7	V	1.8	-999	0.86	233
401431127	2013	5	11	8	V	4.3	-999	1.23	265
401431127	2013	5	11	9	V	1.4	-999	1.93	288
401431127	2013	5	11	10	V	2.5	-999	2.22	322
401431127	2013	5	11	11	V	1.9	-999	2.64	318
401431127	2013	5	11	12	V	2.2	-999	2.84	340
401431127	2013	5	11	13	V	2.3	-999	3.8	5
401431127	2013	5	11	14	V	2.3	-999	4.56	15
401431127	2013	5	11	15	V	1.7	-999	6.41	17
401431127	2013	5	11	16	V	2.0	-999	6.48	13
401431127	2013	5	11	17	V	3.6	-999	5.99	16
401431127	2013	5	11	18	V	3.7	-999	5.36	12
401431127	2013	5	11	19	V	1.5	-999	4.61	11
401431127	2013	5	11	20	V	2.9	-999	2.86	7
401431127	2013	5	11	21	V	2.7	-999	2.23	357
401431127	2013	5	11	22	V	1.4	-999	1.74	354
401431127	2013	5	11	23	C	-999	-999	0	0
401431127	2013	5	11	24	V	1.5	-999	1.76	328
401431127	2013	5	12	1	C	-999	-999	0	0
401431127	2013	5	12	2	C	-999	-999	0	0
401431127	2013	5	12	3	C	-999	-999	0	0
401431127	2013	5	12	4	C	-999	-999	0	0
401431127	2013	5	12	5	V	5.5	-999	0.9	205
401431127	2013	5	12	6	V	0.5	-999	1.38	238
401431127	2013	5	12	7	V	1.2	-999	1.52	331
401431127	2013	5	12	8	V	5.6	-999	2.06	34
401431127	2013	5	12	9	V	1.4	-999	1.86	79
401431127	2013	5	12	10	V	2.5	-999	2.01	95
401431127	2013	5	12	11	V	2.0	-999	2.1	116
401431127	2013	5	12	12	V	2.3	-999	1.91	127
401431127	2013	5	12	13	V	2.4	-999	2.28	132
401431127	2013	5	12	14	V	2.4	-999	2.62	141
401431127	2013	5	12	15	V	1.7	-999	2.59	171
401431127	2013	5	12	16	V	2.0	-999	2.76	173
401431127	2013	5	12	17	V	3.6	-999	4.07	162
401431127	2013	5	12	18	V	3.7	-999	3.69	161
401431127	2013	5	12	19	V	1.5	-999	3.81	137
401431127	2013	5	12	20	V	2.9	-999	2.5	139
401431127	2013	5	12	21	V	2.7	-999	1.89	136
401431127	2013	5	12	22	V	1.4	-999	1.89	150
401431127	2013	5	12	23	V	1.2	-999	0.72	185
401431127	2013	5	12	24	V	3.4	-999	0.58	217
401431127	2013	5	13	1	V	1.8	-999	1.37	196
401431127	2013	5	13	2	V	1.0	-999	1.38	166
401431127	2013	5	13	3	V	0.6	-999	0.67	157
401431127	2013	5	13	4	V	0.7	-999	1.04	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	13	5	V	1.5	-999	1.08	184
401431127	2013	5	13	6	V	0.9	-999	1.52	196
401431127	2013	5	13	7	V	1.1	-999	3.52	186
401431127	2013	5	13	8	V	4.0	-999	5.29	195
401431127	2013	5	13	9	V	2.0	-999	4.58	203
401431127	2013	5	13	10	V	2.6	-999	5.04	219
401431127	2013	5	13	11	V	1.9	-999	4.39	227
401431127	2013	5	13	12	V	2.2	-999	4.27	232
401431127	2013	5	13	13	V	2.4	-999	3.78	230
401431127	2013	5	13	14	V	2.5	-999	3.35	224
401431127	2013	5	13	15	V	1.8	-999	3.03	231
401431127	2013	5	13	16	V	2.1	-999	3.15	231
401431127	2013	5	13	17	V	3.9	-999	3.23	217
401431127	2013	5	13	18	V	4.1	-999	3.49	213
401431127	2013	5	13	19	V	5.5	-999	2.47	210
401431127	2013	5	13	20	V	3.7	-999	0.53	230
401431127	2013	5	13	21	V	10.1	-999	1.35	207
401431127	2013	5	13	22	V	2.0	-999	3.93	195
401431127	2013	5	13	23	V	6.2	-999	2.93	204
401431127	2013	5	13	24	V	3.1	-999	2.67	200
401431127	2013	5	14	1	V	1.9	-999	1.62	197
401431127	2013	5	14	2	V	9.7	-999	2.54	207
401431127	2013	5	14	3	V	0.5	-999	1.77	181
401431127	2013	5	14	4	V	0.7	-999	1.69	194
401431127	2013	5	14	5	V	1.9	-999	1.81	197
401431127	2013	5	14	6	V	1.8	-999	0.8	220
401431127	2013	5	14	7	V	2.6	-999	1.88	197
401431127	2013	5	14	8	V	4.7	-999	3.72	214
401431127	2013	5	14	9	V	1.3	-999	3.98	225
401431127	2013	5	14	10	V	2.4	0.4	3.5	235
401431127	2013	5	14	11	V	2.0	0.8	4.49	225
401431127	2013	5	14	12	M	-999	1.2	4.87	211
401431127	2013	5	14	13	M	-999	2.3	4.85	210
401431127	2013	5	14	14	M	-999	0.9	8.04	194
401431127	2013	5	14	15	M	-999	1.3	999	999
401431127	2013	5	14	16	M	-999	0.7	7.8	195
401431127	2013	5	14	17	M	-999	0.7	6.89	192
401431127	2013	5	14	18	M	-999	0.3	6.55	186
401431127	2013	5	14	19	M	-999	0.1	5.75	184
401431127	2013	5	14	20	V	2.9	0.1	3.83	186
401431127	2013	5	14	21	V	2.7	0	4.54	183
401431127	2013	5	14	22	V	1.4	0.1	3.78	182
401431127	2013	5	14	23	V	1.1	0.1	2.91	187
401431127	2013	5	14	24	V	1.5	0.2	3.68	189
401431127	2013	5	15	1	V	1.4	0.2	2.86	189
401431127	2013	5	15	2	V	1.0	0.3	1.72	188

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	15	3	V	0.5	0.3	1.28	187
401431127	2013	5	15	4	V	0.5	0.3	2.49	183
401431127	2013	5	15	5	V	1.4	0.4	3.03	182
401431127	2013	5	15	6	V	0.5	0.3	3.01	179
401431127	2013	5	15	7	V	1.1	0.2	5.12	185
401431127	2013	5	15	8	V	3.9	0.1	5.38	190
401431127	2013	5	15	9	V	1.3	0.1	5.24	183
401431127	2013	5	15	10	V	2.4	0	5.92	185
401431127	2013	5	15	11	V	1.9	0.1	6.52	193
401431127	2013	5	15	12	V	2.2	0.1	4.9	185
401431127	2013	5	15	13	V	2.3	0	3.85	182
401431127	2013	5	15	14	V	2.3	0	3.78	171
401431127	2013	5	15	15	V	1.7	0	3.83	156
401431127	2013	5	15	16	V	2.0	0	4.03	159
401431127	2013	5	15	17	V	3.6	0	3.13	138
401431127	2013	5	15	18	V	3.7	0	2.47	116
401431127	2013	5	15	19	V	1.5	0	3.93	129
401431127	2013	5	15	20	V	2.9	0	6.16	144
401431127	2013	5	15	21	V	2.7	0	5.39	106
401431127	2013	5	15	22	V	1.4	0	6.11	138
401431127	2013	5	15	23	V	1.1	0	4.56	164
401431127	2013	5	15	24	V	1.5	0	2.27	162
401431127	2013	5	16	1	V	1.4	0	1.03	238
401431127	2013	5	16	2	V	1.0	0	0.97	333
401431127	2013	5	16	3	V	0.6	0	0.74	325
401431127	2013	5	16	4	V	0.7	0	0.84	15
401431127	2013	5	16	5	V	1.5	0	1.09	23
401431127	2013	5	16	6	V	0.6	0	0.92	77
401431127	2013	5	16	7	V	1.2	0	1.6	105
401431127	2013	5	16	8	V	4.1	0	1.65	112
401431127	2013	5	16	9	V	1.3	0	3.08	111
401431127	2013	5	16	10	V	2.4	0	2.89	125
401431127	2013	5	16	11	V	1.9	0.1	2.95	142
401431127	2013	5	16	12	V	2.2	0.1	3.44	179
401431127	2013	5	16	13	V	2.4	0	3.03	183
401431127	2013	5	16	14	V	2.4	0	2.27	148
401431127	2013	5	16	15	V	1.8	0	2.1	91
401431127	2013	5	16	16	V	2.1	0	1.77	103
401431127	2013	5	16	17	V	3.7	0	2.22	124
401431127	2013	5	16	18	V	3.7	0	2.01	118
401431127	2013	5	16	19	V	1.5	0	2.72	145
401431127	2013	5	16	20	V	2.9	0	2.86	147
401431127	2013	5	16	21	V	2.7	0.1	2.03	145
401431127	2013	5	16	22	V	1.5	0.1	1.08	183
401431127	2013	5	16	23	V	4.7	0.1	0.64	209
401431127	2013	5	16	24	V	1.5	0.3	1.38	153

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	17	1	V	1.4	0.2	0.79	157
401431127	2013	5	17	2	V	2.7	0.2	0.91	199
401431127	2013	5	17	3	V	0.5	0.2	0.96	229
401431127	2013	5	17	4	V	1.8	0.2	0.72	197
401431127	2013	5	17	5	V	2.8	0.2	0.89	198
401431127	2013	5	17	6	V	0.6	0.2	1.06	112
401431127	2013	5	17	7	V	1.3	0.2	1.03	140
401431127	2013	5	17	8	V	4.0	0	1.99	163
401431127	2013	5	17	9	V	1.5	0	1.38	132
401431127	2013	5	17	10	V	2.5	0	2.45	85
401431127	2013	5	17	11	V	1.9	0	3.27	141
401431127	2013	5	17	12	V	2.2	0	3.37	148
401431127	2013	5	17	13	V	2.4	0	2.57	135
401431127	2013	5	17	14	V	2.4	0	2.83	129
401431127	2013	5	17	15	V	1.7	0	2.88	126
401431127	2013	5	17	16	V	2.0	0	3.07	149
401431127	2013	5	17	17	V	3.6	0	3.52	134
401431127	2013	5	17	18	V	3.7	0	3.64	143
401431127	2013	5	17	19	V	1.5	0	3.34	136
401431127	2013	5	17	20	V	2.9	0	2.38	147
401431127	2013	5	17	21	V	2.7	0	1.55	172
401431127	2013	5	17	22	V	1.5	0	1.14	175
401431127	2013	5	17	23	V	1.1	0	1.93	142
401431127	2013	5	17	24	V	1.5	0	1.67	138
401431127	2013	5	18	1	V	1.3	0	1.69	140
401431127	2013	5	18	2	V	0.9	0	1.6	148
401431127	2013	5	18	3	V	0.5	0	1.09	168
401431127	2013	5	18	4	V	10.1	0	1.69	46
401431127	2013	5	18	5	V	1.4	0	1.91	106
401431127	2013	5	18	6	V	0.5	0	2.52	137
401431127	2013	5	18	7	V	1.1	0	3.24	146
401431127	2013	5	18	8	V	3.9	0	4.36	167
401431127	2013	5	18	9	V	1.3	0	3.91	170
401431127	2013	5	18	10	V	2.4	0	3.88	174
401431127	2013	5	18	11	V	1.9	0	4.76	183
401431127	2013	5	18	12	V	2.2	0	5.05	178
401431127	2013	5	18	13	V	2.3	0	5.44	164
401431127	2013	5	18	14	V	2.3	0	5.12	165
401431127	2013	5	18	15	V	1.7	0	5.6	164
401431127	2013	5	18	16	V	2.0	0	5.94	167
401431127	2013	5	18	17	V	3.6	0	5.67	163
401431127	2013	5	18	18	V	3.7	0	5.89	160
401431127	2013	5	18	19	V	1.5	0	5.46	167
401431127	2013	5	18	20	V	2.9	0	4.58	161
401431127	2013	5	18	21	V	2.7	0	4.87	170
401431127	2013	5	18	22	V	1.4	0	2.95	175

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	18	23	V	1.1	0	3.03	178
401431127	2013	5	18	24	V	1.5	0	5.58	235
401431127	2013	5	19	1	V	1.3	0	1.94	77
401431127	2013	5	19	2	V	0.9	0	3	151
401431127	2013	5	19	3	V	0.4	0	3.07	150
401431127	2013	5	19	4	V	0.5	0	3.63	147
401431127	2013	5	19	5	V	1.4	0	1.4	358
401431127	2013	5	19	6	V	0.5	0	2.59	17
401431127	2013	5	19	7	V	1.1	0	2.5	121
401431127	2013	5	19	8	V	3.9	0	4.05	158
401431127	2013	5	19	9	V	1.2	0	5.27	179
401431127	2013	5	19	10	V	2.4	0	5.96	177
401431127	2013	5	19	11	V	1.9	0	6.04	178
401431127	2013	5	19	12	V	2.2	0	6.91	175
401431127	2013	5	19	13	V	2.3	0	7.45	176
401431127	2013	5	19	14	V	2.3	0	7.79	183
401431127	2013	5	19	15	V	1.7	0	7.2	182
401431127	2013	5	19	16	V	2.0	0	7.2	183
401431127	2013	5	19	17	V	3.6	0	6.64	178
401431127	2013	5	19	18	V	3.7	0	7.43	185
401431127	2013	5	19	19	V	1.8	0	4.99	216
401431127	2013	5	19	20	V	3.0	0	6.45	188
401431127	2013	5	19	21	V	2.7	0	6.57	182
401431127	2013	5	19	22	V	1.4	0	4.02	186
401431127	2013	5	19	23	V	1.1	0	3.49	184
401431127	2013	5	19	24	V	1.5	0	4.88	182
401431127	2013	5	20	1	V	1.4	0	7.31	187
401431127	2013	5	20	2	V	1.1	0	7.49	191
401431127	2013	5	20	3	V	0.5	0	4.86	189
401431127	2013	5	20	4	V	0.6	0	4.86	187
401431127	2013	5	20	5	V	1.4	0	2.86	184
401431127	2013	5	20	6	V	0.5	0	3.86	172
401431127	2013	5	20	7	V	1.0	0	5.36	177
401431127	2013	5	20	8	V	4.0	0	2.36	160
401431127	2013	5	20	9	V	1.3	0	3.36	179
401431127	2013	5	20	10	V	2.6	0	2.86	191
401431127	2013	5	20	11	V	1.9	0	3.86	184
401431127	2013	5	20	12	V	2.2	-999	3.86	161
401431127	2013	5	20	13	V	2.3	-999	6.46	189
401431127	2013	5	20	14	V	2.3	0	5.96	177
401431127	2013	5	20	15	V	1.7	0	6.96	180
401431127	2013	5	20	16	V	2.0	0	6.46	189
401431127	2013	5	20	17	V	3.6	0	6.96	180
401431127	2013	5	20	18	C	-999	0	0	0
401431127	2013	5	20	19	V	1.5	0	2.86	354
401431127	2013	5	20	20	C	-999	0	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	20	21	V	2.7	0	1.58	143
401431127	2013	5	20	22	V	1.6	0	2.28	195
401431127	2013	5	20	23	V	1.1	0	1.94	290
401431127	2013	5	20	24	V	1.6	0	0.82	234
401431127	2013	5	21	1	V	1.3	0	1.76	170
401431127	2013	5	21	2	V	3.1	0	1.43	200
401431127	2013	5	21	3	V	0.4	0	2.1	169
401431127	2013	5	21	4	V	0.6	0	1.2	267
401431127	2013	5	21	5	V	1.5	0	0.8	260
401431127	2013	5	21	6	V	0.5	0	2.22	3
401431127	2013	5	21	7	V	1.1	0	2.27	9
401431127	2013	5	21	8	V	3.9	0	6.01	16
401431127	2013	5	21	9	V	1.3	0	3.25	356
401431127	2013	5	21	10	V	2.4	0	2.21	331
401431127	2013	5	21	11	V	1.9	0	2.88	350
401431127	2013	5	21	12	V	2.2	0	3.46	17
401431127	2013	5	21	13	V	2.3	0	3.08	299
401431127	2013	5	21	14	V	2.4	0	2.37	274
401431127	2013	5	21	15	V	1.7	0	6.33	147
401431127	2013	5	21	16	V	4.9	0	4.03	51
401431127	2013	5	21	17	V	3.7	0	2.03	291
401431127	2013	5	21	18	V	3.7	0	2.13	288
401431127	2013	5	21	19	V	2.6	0	1.64	223
401431127	2013	5	21	20	V	2.9	0	2.08	228
401431127	2013	5	21	21	V	2.7	0	2.15	227
401431127	2013	5	21	22	V	1.5	0	1.16	230
401431127	2013	5	21	23	V	1.2	0	0.69	235
401431127	2013	5	21	24	V	4.2	0	0.52	204
401431127	2013	5	22	1	V	4.6	0	0.74	204
401431127	2013	5	22	2	V	1.1	0	0.53	239
401431127	2013	5	22	3	V	0.7	0	0.77	189
401431127	2013	5	22	4	V	1.4	0	0.92	196
401431127	2013	5	22	5	V	2.3	0	1.2	197
401431127	2013	5	22	6	V	0.6	0	1.13	240
401431127	2013	5	22	7	V	1.3	0	1.52	237
401431127	2013	5	22	8	V	4.1	0	1.94	241
401431127	2013	5	22	9	V	1.4	0	2.44	269
401431127	2013	5	22	10	V	2.5	0	2.78	320
401431127	2013	5	22	11	V	2.0	0	2.62	305
401431127	2013	5	22	12	V	2.2	0	3.1	301
401431127	2013	5	22	13	V	2.4	0	2.76	273
401431127	2013	5	22	14	V	2.4	0	2.47	270
401431127	2013	5	22	15	V	1.7	0	2.67	265
401431127	2013	5	22	16	V	2.0	0.1	2.2	273
401431127	2013	5	22	17	V	3.7	0.5	2.27	243
401431127	2013	5	22	18	V	3.8	1.4	2.05	233

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	22	19	V	1.5	0.3	1.33	244
401431127	2013	5	22	20	C	-999	0.1	0	0
401431127	2013	5	22	21	V	2.9	0.2	0.69	264
401431127	2013	5	22	22	V	1.5	0.4	0.82	255
401431127	2013	5	22	23	V	1.2	0.6	0.72	277
401431127	2013	5	22	24	C	-999	0.3	0	0
401431127	2013	5	23	1	V	1.5	0.2	0.64	256
401431127	2013	5	23	2	V	1.1	0.2	0.67	298
401431127	2013	5	23	3	V	0.6	0.2	0.65	282
401431127	2013	5	23	4	V	0.7	0.1	0.62	280
401431127	2013	5	23	5	V	1.6	0.2	0.63	329
401431127	2013	5	23	6	V	0.5	0.4	1.62	10
401431127	2013	5	23	7	M	-999	0	3.52	24
401431127	2013	5	23	8	M	-999	0	3.13	19
401431127	2013	5	23	9	M	-999	0	3.73	32
401431127	2013	5	23	10	M	-999	0	4.24	29
401431127	2013	5	23	11	M	-999	0.7	3.52	31
401431127	2013	5	23	12	M	-999	0.9	3.71	35
401431127	2013	5	23	13	M	-999	0.3	1.48	327
401431127	2013	5	23	14	M	-999	0.2	1.88	178
401431127	2013	5	23	15	M	-999	0	2.44	44
401431127	2013	5	23	16	M	-999	0	3.49	19
401431127	2013	5	23	17	M	-999	0	4.09	9
401431127	2013	5	23	18	M	-999	0	2.72	43
401431127	2013	5	23	19	M	-999	0	1.99	302
401431127	2013	5	23	20	V	2.9	0	2.54	237
401431127	2013	5	23	21	V	2.7	0	1.77	328
401431127	2013	5	23	22	V	1.5	0.3	0.92	259
401431127	2013	5	23	23	V	1.5	0.8	0.52	228
401431127	2013	5	23	24	V	1.5	0.7	1.13	356
401431127	2013	5	24	1	V	1.3	0	1.82	17
401431127	2013	5	24	2	V	0.9	0	2.45	21
401431127	2013	5	24	3	V	0.4	0	3.41	34
401431127	2013	5	24	4	V	0.5	0	2.16	15
401431127	2013	5	24	5	V	1.4	0	2.73	31
401431127	2013	5	24	6	V	0.5	0.1	2.86	34
401431127	2013	5	24	7	V	1.7	0	2.27	65
401431127	2013	5	24	8	V	4.0	0	3.61	99
401431127	2013	5	24	9	V	1.2	0	5.33	119
401431127	2013	5	24	10	V	2.4	0.1	5.65	128
401431127	2013	5	24	11	V	1.9	0.7	4.51	133
401431127	2013	5	24	12	V	2.2	0.7	4.44	116
401431127	2013	5	24	13	V	2.3	0.5	4.56	128
401431127	2013	5	24	14	V	2.3	0.4	4.26	141
401431127	2013	5	24	15	V	1.7	0.2	4.8	143
401431127	2013	5	24	16	V	2.0	0.1	4.56	137

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	24	17	V	3.6	0.1	4.34	143
401431127	2013	5	24	18	V	3.7	0.1	4.17	143
401431127	2013	5	24	19	V	1.5	0	4.36	130
401431127	2013	5	24	20	V	2.9	0.1	3.49	136
401431127	2013	5	24	21	V	2.7	0.6	3.78	139
401431127	2013	5	24	22	V	1.4	0.7	4.44	146
401431127	2013	5	24	23	V	1.0	0.4	4.6	144
401431127	2013	5	24	24	V	1.5	0.2	3.88	149
401431127	2013	5	25	1	V	1.3	0.1	3.51	152
401431127	2013	5	25	2	V	0.9	0	2.74	161
401431127	2013	5	25	3	V	0.4	0	2.89	152
401431127	2013	5	25	4	V	0.5	0	3.29	149
401431127	2013	5	25	5	V	1.4	0	2.78	152
401431127	2013	5	25	6	V	0.5	0	2.71	133
401431127	2013	5	25	7	V	1.1	0.1	3.25	139
401431127	2013	5	25	8	V	3.9	0.1	4.17	155
401431127	2013	5	25	9	V	1.2	0.2	5.05	156
401431127	2013	5	25	10	V	2.4	0.2	6.46	171
401431127	2013	5	25	11	V	1.9	0.2	5.87	177
401431127	2013	5	25	12	V	2.2	0.1	5.68	171
401431127	2013	5	25	13	V	2.3	0	6.09	172
401431127	2013	5	25	14	V	2.3	0	5.14	172
401431127	2013	5	25	15	V	1.7	0	5.09	162
401431127	2013	5	25	16	V	2.0	0	5.94	169
401431127	2013	5	25	17	V	3.6	0	5.55	172
401431127	2013	5	25	18	V	3.7	0	5.53	176
401431127	2013	5	25	19	V	1.5	0	5.39	172
401431127	2013	5	25	20	V	2.9	0	4.37	174
401431127	2013	5	25	21	V	2.7	0	2.61	165
401431127	2013	5	25	22	V	1.4	0	2.91	171
401431127	2013	5	25	23	V	1.1	0	2.45	178
401431127	2013	5	25	24	V	1.5	0	2.69	184
401431127	2013	5	26	1	V	1.3	0	2.25	182
401431127	2013	5	26	2	V	0.9	0	3.47	172
401431127	2013	5	26	3	V	0.4	0	3.22	173
401431127	2013	5	26	4	V	0.5	0	3.2	172
401431127	2013	5	26	5	V	1.4	0	2.84	174
401431127	2013	5	26	6	V	0.5	0	2.27	167
401431127	2013	5	26	7	V	1.1	0	3.58	173
401431127	2013	5	26	8	V	3.9	0	5.58	186
401431127	2013	5	26	9	V	1.3	0	6.55	191
401431127	2013	5	26	10	V	2.4	0	7.06	185
401431127	2013	5	26	11	V	1.9	0	7.52	186
401431127	2013	5	26	12	V	2.3	0	7.32	197
401431127	2013	5	26	13	V	2.3	0	7.04	185
401431127	2013	5	26	14	V	2.3	0	7.3	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	26	15	V	1.7	0	7.2	175
401431127	2013	5	26	16	V	2.0	0	6.84	176
401431127	2013	5	26	17	V	3.6	0	7.06	171
401431127	2013	5	26	18	V	3.7	0	6.24	169
401431127	2013	5	26	19	V	1.5	0	5.36	163
401431127	2013	5	26	20	V	2.9	0	4.82	165
401431127	2013	5	26	21	V	2.7	0	4.85	172
401431127	2013	5	26	22	V	1.4	0	4.22	169
401431127	2013	5	26	23	V	1.1	0	4.76	172
401431127	2013	5	26	24	V	1.5	0	4.09	169
401431127	2013	5	27	1	V	1.3	0	3.83	167
401431127	2013	5	27	2	V	0.9	0	3.95	167
401431127	2013	5	27	3	V	0.4	0	3.39	160
401431127	2013	5	27	4	V	0.5	0	3.15	160
401431127	2013	5	27	5	V	1.4	0	3.44	173
401431127	2013	5	27	6	V	0.5	0	3.17	177
401431127	2013	5	27	7	V	1.1	0	4.12	180
401431127	2013	5	27	8	V	3.9	0	6.84	186
401431127	2013	5	27	9	V	1.2	0	7.83	190
401431127	2013	5	27	10	V	2.4	0	7.72	195
401431127	2013	5	27	11	V	1.9	0	10.56	183
401431127	2013	5	27	12	V	2.2	0	9.7	187
401431127	2013	5	27	13	V	2.3	0	9.13	190
401431127	2013	5	27	14	V	2.3	0	8.88	192
401431127	2013	5	27	15	V	1.7	0	9.58	190
401431127	2013	5	27	16	V	2.0	0	9.08	185
401431127	2013	5	27	17	V	3.6	0	8.85	187
401431127	2013	5	27	18	V	3.7	0	8.59	184
401431127	2013	5	27	19	V	1.5	0	6.57	179
401431127	2013	5	27	20	V	2.9	0	5.65	172
401431127	2013	5	27	21	V	2.7	0	5.41	170
401431127	2013	5	27	22	V	1.4	0	5.28	168
401431127	2013	5	27	23	V	1.0	0	6.01	167
401431127	2013	5	27	24	V	1.4	0	6.07	174
401431127	2013	5	28	1	V	1.3	0	4.85	169
401431127	2013	5	28	2	V	0.9	0	5.87	183
401431127	2013	5	28	3	V	0.5	0	5.55	188
401431127	2013	5	28	4	V	0.6	0	6.72	188
401431127	2013	5	28	5	V	1.4	0	6.48	184
401431127	2013	5	28	6	V	0.5	0	5.9	184
401431127	2013	5	28	7	V	1.0	0	6.19	187
401431127	2013	5	28	8	V	3.9	0	6.96	176
401431127	2013	5	28	9	V	1.3	0	7.96	194
401431127	2013	5	28	10	V	2.4	0	9.56	196
401431127	2013	5	28	11	V	1.9	0	7.62	183
401431127	2013	5	28	12	V	2.2	0	8.86	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	28	13	V	2.3	0	8.39	177
401431127	2013	5	28	14	V	2.3	0	8.1	178
401431127	2013	5	28	15	V	1.7	0	6.86	180
401431127	2013	5	28	16	V	2.0	0	7.47	179
401431127	2013	5	28	17	V	3.6	0	7.09	185
401431127	2013	5	28	18	V	3.7	0	6.48	181
401431127	2013	5	28	19	V	1.5	0	5.79	178
401431127	2013	5	28	20	V	2.9	0	4.07	170
401431127	2013	5	28	21	V	2.7	0	3.69	162
401431127	2013	5	28	22	V	1.4	0	4.32	157
401431127	2013	5	28	23	V	1.1	0	4.27	170
401431127	2013	5	28	24	V	1.5	0	3.93	164
401431127	2013	5	29	1	V	1.3	0.1	4.24	166
401431127	2013	5	29	2	V	0.9	0.1	4.17	169
401431127	2013	5	29	3	V	0.4	0.1	3.57	166
401431127	2013	5	29	4	V	0.5	0.2	3.69	164
401431127	2013	5	29	5	V	1.4	0.1	3.8	168
401431127	2013	5	29	6	V	0.5	0.1	4.22	167
401431127	2013	5	29	7	V	1.0	0.1	5.31	167
401431127	2013	5	29	8	V	3.9	0.1	6.47	166
401431127	2013	5	29	9	V	1.2	0	7.42	171
401431127	2013	5	29	10	V	2.4	0	7.13	173
401431127	2013	5	29	11	V	1.9	0	6.94	170
401431127	2013	5	29	12	V	2.2	0	8.1	173
401431127	2013	5	29	13	V	2.3	0	6.7	168
401431127	2013	5	29	14	V	2.3	0	6.36	166
401431127	2013	5	29	15	V	1.7	0	5.75	163
401431127	2013	5	29	16	V	2.0	0	7.89	167
401431127	2013	5	29	17	V	3.6	0	6.7	161
401431127	2013	5	29	18	V	3.7	0	5.68	168
401431127	2013	5	29	19	V	1.5	0	5.53	170
401431127	2013	5	29	20	V	4.8	0	3.8	219
401431127	2013	5	29	21	V	2.7	0	1.76	89
401431127	2013	5	29	22	V	1.4	0	7.23	140
401431127	2013	5	29	23	V	1.1	0	3.54	122
401431127	2013	5	29	24	V	1.5	0	2.42	27
401431127	2013	5	30	1	V	1.3	0	1.91	23
401431127	2013	5	30	2	V	0.9	0	3	10
401431127	2013	5	30	3	V	0.4	0	3.63	62
401431127	2013	5	30	4	V	5.2	0	2.74	212
401431127	2013	5	30	5	V	1.4	0	3.93	178
401431127	2013	5	30	6	V	0.5	0	5.72	166
401431127	2013	5	30	7	V	1.0	0	6.31	173
401431127	2013	5	30	8	V	3.9	0	6.23	184
401431127	2013	5	30	9	V	1.2	0	6.58	181
401431127	2013	5	30	10	V	2.4	0	8.3	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	5	30	11	V	1.9	0	9.78	186
401431127	2013	5	30	12	V	2.2	0	10.07	189
401431127	2013	5	30	13	V	2.4	0	8.11	195
401431127	2013	5	30	14	V	2.3	0	8.3	193
401431127	2013	5	30	15	V	1.8	0	6.4	194
401431127	2013	5	30	16	V	2.0	0	4.41	179
401431127	2013	5	30	17	V	3.7	0	3.73	224
401431127	2013	5	30	18	V	3.9	0	1.06	166
401431127	2013	5	30	19	V	2.0	0	1.26	63
401431127	2013	5	30	20	V	2.9	0	2.76	184
401431127	2013	5	30	21	V	2.7	0	3.15	153
401431127	2013	5	30	22	V	1.4	0	3.66	148
401431127	2013	5	30	23	V	1.1	0	2.21	158
401431127	2013	5	30	24	V	1.5	0	2.71	162
401431127	2013	5	31	1	V	1.3	0	4.24	163
401431127	2013	5	31	2	V	0.9	0	4.36	175
401431127	2013	5	31	3	V	0.4	0	8.03	174
401431127	2013	5	31	4	V	0.5	0	7.38	173
401431127	2013	5	31	5	V	1.4	0	7.64	178
401431127	2013	5	31	6	V	0.5	0	7.96	184
401431127	2013	5	31	7	V	1.0	0	7.67	185
401431127	2013	5	31	8	V	4.0	0	7.14	195
401431127	2013	5	31	9	V	1.3	0	5.46	196
401431127	2013	5	31	10	V	2.4	0	6.18	191
401431127	2013	5	31	11	V	1.9	0	6.33	192
401431127	2013	5	31	12	V	2.2	0	7.4	188
401431127	2013	5	31	13	V	2.3	0	7.96	181
401431127	2013	5	31	14	V	2.3	0	5.96	185
401431127	2013	5	31	15	V	2.3	0	5.96	205
401431127	2013	5	31	16	V	2.1	0	5.36	193
401431127	2013	5	31	17	V	3.6	0	7.46	182
401431127	2013	5	31	18	V	3.7	0	4.86	184
401431127	2013	5	31	19	M	-999	0	2.86	999
401431127	2013	5	31	20	V	2.9	0	4.36	154
401431127	2013	5	31	21	V	2.7	0	2.86	161
401431127	2013	5	31	22	V	2.1	0	5.36	195
401431127	2013	5	31	23	M	-999	0	2.36	999
401431127	2013	5	31	24	V	1.4	0	6.18	174
401431127	2013	6	1	1	V	6.4	0	6.28	196
401431127	2013	6	1	2	V	5.0	0	4.95	211
401431127	2013	6	1	3	V	6.1	0	2.42	220
401431127	2013	6	1	4	V	0.7	0	1.84	89
401431127	2013	6	1	5	V	0.6	0	2.01	86
401431127	2013	6	1	6	V	8.3	0	2.25	123
401431127	2013	6	1	7	V	0.9	0	2.62	101
401431127	2013	6	1	8	V	1.4	0	1.79	350

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	1	9	V	1.6	0	1.13	79
401431127	2013	6	1	10	V	1.2	0	1.09	6
401431127	2013	6	1	11	V	1.8	0	1.84	20
401431127	2013	6	1	12	V	2.5	0	1.5	333
401431127	2013	6	1	13	V	2.5	0	2.3	318
401431127	2013	6	1	14	V	3.1	0	2.81	295
401431127	2013	6	1	15	V	2.0	0	2.78	305
401431127	2013	6	1	16	V	2.5	0	3.2	318
401431127	2013	6	1	17	V	2.1	0	3.47	327
401431127	2013	6	1	18	V	5.8	0	3.61	347
401431127	2013	6	1	19	V	1.5	0	3.71	349
401431127	2013	6	1	20	V	1.9	0	2.25	349
401431127	2013	6	1	21	V	1.4	0	1.88	337
401431127	2013	6	1	22	V	1.0	0	1.86	346
401431127	2013	6	1	23	V	0.7	0	1.43	347
401431127	2013	6	1	24	V	2.2	0	1.67	359
401431127	2013	6	2	1	V	5.6	0	1.11	322
401431127	2013	6	2	2	V	2.6	0	2.22	347
401431127	2013	6	2	3	V	4.3	0	1.98	340
401431127	2013	6	2	4	V	0.8	0	1.42	316
401431127	2013	6	2	5	V	0.6	0	1.79	327
401431127	2013	6	2	6	V	8.4	0	1.6	332
401431127	2013	6	2	7	V	0.9	0	2.05	336
401431127	2013	6	2	8	V	1.3	0	2.62	337
401431127	2013	6	2	9	V	1.4	0	4.37	11
401431127	2013	6	2	10	V	1.0	0	3.47	14
401431127	2013	6	2	11	V	1.6	0	2.67	350
401431127	2013	6	2	12	V	2.2	0	2.89	357
401431127	2013	6	2	13	V	2.4	0	2.76	333
401431127	2013	6	2	14	V	3.1	0	3.17	338
401431127	2013	6	2	15	V	2.0	0	3.64	4
401431127	2013	6	2	16	V	2.5	0	3.13	3
401431127	2013	6	2	17	V	2.1	0	3.81	21
401431127	2013	6	2	18	V	5.8	0	3.1	11
401431127	2013	6	2	19	V	1.5	0	3.69	23
401431127	2013	6	2	20	V	1.9	0.1	2.89	18
401431127	2013	6	2	21	V	1.4	0	2.03	16
401431127	2013	6	2	22	V	1.0	0	2.08	10
401431127	2013	6	2	23	V	0.7	0	1.93	9
401431127	2013	6	2	24	V	2.3	0	1.04	1
401431127	2013	6	3	1	V	5.5	0.1	1.54	27
401431127	2013	6	3	2	V	2.7	0.1	1.28	23
401431127	2013	6	3	3	V	5.3	0.1	0.67	52
401431127	2013	6	3	4	V	0.8	0.1	1.06	101
401431127	2013	6	3	5	C	-999	0	0	0
401431127	2013	6	3	6	V	9.5	0.3	0.79	40

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	3	7	V	0.9	0.2	2.49	99
401431127	2013	6	3	8	V	1.3	0.1	2.4	153
401431127	2013	6	3	9	V	1.5	0.2	1.93	157
401431127	2013	6	3	10	V	1.0	0.1	3.22	126
401431127	2013	6	3	11	V	1.6	0.1	3.3	162
401431127	2013	6	3	12	V	2.3	0.1	3.13	167
401431127	2013	6	3	13	V	2.5	0	3.08	170
401431127	2013	6	3	14	V	3.1	0	3.03	174
401431127	2013	6	3	15	V	2.0	0	3.88	162
401431127	2013	6	3	16	V	2.5	0	4.27	161
401431127	2013	6	3	17	V	2.1	0	4.32	158
401431127	2013	6	3	18	V	5.8	0	4.9	163
401431127	2013	6	3	19	V	1.5	0	4.22	161
401431127	2013	6	3	20	V	1.9	0	4.12	143
401431127	2013	6	3	21	V	1.4	0	3.52	136
401431127	2013	6	3	22	V	1.0	0	3.2	142
401431127	2013	6	3	23	V	0.7	0	3.37	139
401431127	2013	6	3	24	V	2.2	0	2.74	141
401431127	2013	6	4	1	V	5.6	0	1.59	163
401431127	2013	6	4	2	V	3.4	0	2.21	198
401431127	2013	6	4	3	V	4.3	0	1.98	178
401431127	2013	6	4	4	V	8.5	0	1.62	210
401431127	2013	6	4	5	V	0.6	0	1.82	255
401431127	2013	6	4	6	V	8.5	0	2.76	190
401431127	2013	6	4	7	V	0.8	0	7.45	162
401431127	2013	6	4	8	V	1.2	0	7.59	180
401431127	2013	6	4	9	V	1.3	0	6.23	179
401431127	2013	6	4	10	V	1.0	0	4.27	179
401431127	2013	6	4	11	V	1.7	0	2.5	183
401431127	2013	6	4	12	V	2.6	0	1.74	49
401431127	2013	6	4	13	V	2.6	0	1.69	92
401431127	2013	6	4	14	V	3.1	0	3.25	99
401431127	2013	6	4	15	V	2.0	0	4.36	107
401431127	2013	6	4	16	V	2.5	0	4.85	118
401431127	2013	6	4	17	V	2.1	0	4.36	124
401431127	2013	6	4	18	V	5.8	0	4.17	142
401431127	2013	6	4	19	V	1.5	0	4.34	130
401431127	2013	6	4	20	V	1.9	0	3.47	122
401431127	2013	6	4	21	V	1.4	0	2.98	118
401431127	2013	6	4	22	V	1.0	0	2.66	124
401431127	2013	6	4	23	V	0.7	0	3.25	124
401431127	2013	6	4	24	V	2.2	0	3.12	128
401431127	2013	6	5	1	V	5.5	0	3.01	139
401431127	2013	6	5	2	V	2.6	0	2.25	130
401431127	2013	6	5	3	V	4.3	0	2.06	121
401431127	2013	6	5	4	V	0.8	0	1.16	135

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	5	5	V	0.6	0	2.83	280
401431127	2013	6	5	6	V	8.5	0.1	2.38	230
401431127	2013	6	5	7	V	3.2	0	2.5	202
401431127	2013	6	5	8	V	2.0	0.2	2.84	217
401431127	2013	6	5	9	V	1.5	0.3	1.62	284
401431127	2013	6	5	10	V	1.2	0.3	3.32	192
401431127	2013	6	5	11	V	2.0	0.3	1.79	29
401431127	2013	6	5	12	V	2.4	0.3	1.67	267
401431127	2013	6	5	13	V	2.5	0.3	2.69	292
401431127	2013	6	5	14	V	3.1	0.1	2.91	301
401431127	2013	6	5	15	V	2.0	0	3.41	302
401431127	2013	6	5	16	V	2.5	0	2.66	315
401431127	2013	6	5	17	V	2.2	0	2.91	344
401431127	2013	6	5	18	V	5.8	0	3.01	359
401431127	2013	6	5	19	V	1.5	0	3.73	7
401431127	2013	6	5	20	V	1.9	0	4.07	21
401431127	2013	6	5	21	V	1.4	0	3.44	11
401431127	2013	6	5	22	V	1.0	0	3.61	10
401431127	2013	6	5	23	V	0.7	0	2.93	8
401431127	2013	6	5	24	V	2.2	0	3.05	7
401431127	2013	6	6	1	V	5.5	0	2.54	1
401431127	2013	6	6	2	V	2.6	0	2.45	8
401431127	2013	6	6	3	V	4.3	0	3.03	11
401431127	2013	6	6	4	V	0.7	0	2.61	10
401431127	2013	6	6	5	V	0.6	0	3.25	8
401431127	2013	6	6	6	V	8.3	0	3.35	14
401431127	2013	6	6	7	V	0.9	0	2.91	12
401431127	2013	6	6	8	V	1.3	0	2.86	3
401431127	2013	6	6	9	V	1.4	0	3.49	9
401431127	2013	6	6	10	V	1.0	0	3.42	26
401431127	2013	6	6	11	V	1.6	0.1	3.46	21
401431127	2013	6	6	12	V	2.2	0.2	3.69	1
401431127	2013	6	6	13	V	2.4	0.2	4.25	4
401431127	2013	6	6	14	V	3.1	0.1	4.17	8
401431127	2013	6	6	15	V	2.0	0.1	4.24	6
401431127	2013	6	6	16	V	2.5	0.1	4.17	8
401431127	2013	6	6	17	V	2.1	0	3.9	4
401431127	2013	6	6	18	V	5.8	0	3.47	4
401431127	2013	6	6	19	V	1.5	0	3.54	14
401431127	2013	6	6	20	V	1.9	0	1.86	354
401431127	2013	6	6	21	V	1.4	0	1.3	331
401431127	2013	6	6	22	V	1.0	0	1.28	313
401431127	2013	6	6	23	V	0.8	0	0.74	277
401431127	2013	6	6	24	V	2.3	0	0.58	276
401431127	2013	6	7	1	V	5.6	0	0.7	279
401431127	2013	6	7	2	V	2.8	0.1	0.6	239

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	7	3	C	-999	0	0	0
401431127	2013	6	7	4	V	0.9	0	0.57	268
401431127	2013	6	7	5	C	-999	0	0	0
401431127	2013	6	7	6	V	8.5	0.1	0.58	256
401431127	2013	6	7	7	C	-999	0.3	0	0
401431127	2013	6	7	8	V	1.4	0	1.09	327
401431127	2013	6	7	9	V	2.1	0	2.25	37
401431127	2013	6	7	10	V	1.1	-999	2.34	27
401431127	2013	6	7	11	V	1.5	0.5	4.06	14
401431127	2013	6	7	12	V	2.2	0.1	3.76	15
401431127	2013	6	7	13	V	2.4	0	3.24	1
401431127	2013	6	7	14	V	3.1	0	3.01	345
401431127	2013	6	7	15	V	2.0	0	2.78	9
401431127	2013	6	7	16	V	2.5	0	3.05	19
401431127	2013	6	7	17	V	2.2	0	2.59	3
401431127	2013	6	7	18	V	5.8	0	1.7	15
401431127	2013	6	7	19	V	1.5	0	1.2	331
401431127	2013	6	7	20	V	1.9	0	0.77	342
401431127	2013	6	7	21	V	1.5	0.1	0.53	287
401431127	2013	6	7	22	V	1.0	0.2	0.86	289
401431127	2013	6	7	23	V	2.8	0.4	0.74	217
401431127	2013	6	7	24	V	2.3	0.3	0.77	237
401431127	2013	6	8	1	V	5.6	0.2	0.77	232
401431127	2013	6	8	2	V	2.7	0.2	0.72	243
401431127	2013	6	8	3	V	4.4	0.1	0.79	273
401431127	2013	6	8	4	V	0.9	0.2	0.6	125
401431127	2013	6	8	5	V	0.7	0.1	1.01	231
401431127	2013	6	8	6	V	10.1	0.2	0.84	218
401431127	2013	6	8	7	V	1.0	0	1.18	156
401431127	2013	6	8	8	V	1.2	0	3.12	169
401431127	2013	6	8	9	V	1.3	0.1	4.36	169
401431127	2013	6	8	10	V	0.9	0	4.9	173
401431127	2013	6	8	11	V	1.5	0.1	6.33	181
401431127	2013	6	8	12	V	2.2	0	6.28	184
401431127	2013	6	8	13	V	2.4	0	6.31	172
401431127	2013	6	8	14	V	3.0	0	6.19	172
401431127	2013	6	8	15	V	2.0	0.1	6.52	181
401431127	2013	6	8	16	V	2.5	0.1	5.26	172
401431127	2013	6	8	17	V	2.1	0.2	4.58	166
401431127	2013	6	8	18	V	5.8	0.2	3.57	165
401431127	2013	6	8	19	V	1.5	0.1	3.35	169
401431127	2013	6	8	20	V	1.9	0.2	2.28	183
401431127	2013	6	8	21	V	1.4	0.2	1.37	185
401431127	2013	6	8	22	V	7.8	0.2	1.14	209
401431127	2013	6	8	23	V	0.9	0.4	1.53	194
401431127	2013	6	8	24	V	2.2	0.4	2.45	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	9	1	V	5.6	0.6	5.39	186
401431127	2013	6	9	2	V	10.7	1.2	2.57	207
401431127	2013	6	9	3	V	4.3	0.8	2.11	157
401431127	2013	6	9	4	V	9.9	0.4	1.64	208
401431127	2013	6	9	5	V	0.7	0.2	1.03	273
401431127	2013	6	9	6	V	8.3	0.2	1.74	236
401431127	2013	6	9	7	V	0.9	0.1	2.33	291
401431127	2013	6	9	8	V	1.2	0.1	2.74	294
401431127	2013	6	9	9	V	1.3	0	3.9	300
401431127	2013	6	9	10	V	1.0	0	3.2	306
401431127	2013	6	9	11	V	1.6	0.1	2.52	300
401431127	2013	6	9	12	V	2.3	0.1	2.49	311
401431127	2013	6	9	13	V	2.4	0.1	2.74	9
401431127	2013	6	9	14	V	3.1	0.1	2.71	24
401431127	2013	6	9	15	V	2.0	0.1	2.18	283
401431127	2013	6	9	16	V	2.5	0.1	2.28	261
401431127	2013	6	9	17	V	2.2	0.1	1.94	256
401431127	2013	6	9	18	V	5.8	0.1	1.54	245
401431127	2013	6	9	19	V	1.7	0.1	1.84	221
401431127	2013	6	9	20	V	3.4	1.2	1.62	218
401431127	2013	6	9	21	V	5.5	1.8	1.52	215
401431127	2013	6	9	22	V	3.1	6.3	1.62	217
401431127	2013	6	9	23	V	0.9	12.7	0.87	226
401431127	2013	6	9	24	C	-999	9.9	0	0
401431127	2013	6	10	1	V	5.6	4.2	0.63	295
401431127	2013	6	10	2	V	2.8	1.7	1.6	222
401431127	2013	6	10	3	V	4.3	0.9	2.06	233
401431127	2013	6	10	4	V	0.8	0.6	1.89	227
401431127	2013	6	10	5	V	0.6	0.4	2.01	228
401431127	2013	6	10	6	V	8.4	0.2	1.09	236
401431127	2013	6	10	7	V	2.1	0.1	2.47	216
401431127	2013	6	10	8	V	1.3	0.1	4.22	224
401431127	2013	6	10	9	V	1.5	0	5.11	219
401431127	2013	6	10	10	V	1.2	0	4.41	218
401431127	2013	6	10	11	V	1.8	0	4.14	219
401431127	2013	6	10	12	V	2.8	0	4.94	208
401431127	2013	6	10	13	V	2.6	0	5.19	215
401431127	2013	6	10	14	V	3.3	0	5.28	211
401431127	2013	6	10	15	V	2.1	0	4.99	219
401431127	2013	6	10	16	V	2.6	0.1	4.85	212
401431127	2013	6	10	17	V	2.3	0.2	4.8	212
401431127	2013	6	10	18	V	6.0	0.5	4.12	204
401431127	2013	6	10	19	V	1.6	0.8	3.68	189
401431127	2013	6	10	20	V	1.9	0.5	2.84	185
401431127	2013	6	10	21	V	1.5	0.1	2.23	191
401431127	2013	6	10	22	V	1.1	0.1	2.25	192

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	10	23	V	8.9	0	1.87	206
401431127	2013	6	10	24	V	2.4	0	2.52	195
401431127	2013	6	11	1	V	12.1	0.1	2.64	205
401431127	2013	6	11	2	V	9.6	0.5	3.03	207
401431127	2013	6	11	3	V	14.1	1.1	2.54	208
401431127	2013	6	11	4	V	0.8	0.7	1.47	184
401431127	2013	6	11	5	V	0.7	0.6	0.8	179
401431127	2013	6	11	6	V	8.4	0.5	1.04	178
401431127	2013	6	11	7	V	1.4	0.6	1.67	188
401431127	2013	6	11	8	V	2.5	0.8	3.66	207
401431127	2013	6	11	9	V	1.5	0.5	4.22	194
401431127	2013	6	11	10	V	1.1	0.4	4.75	194
401431127	2013	6	11	11	V	1.6	0.5	6.14	190
401431127	2013	6	11	12	V	2.3	0.6	6.81	197
401431127	2013	6	11	13	V	2.5	0.5	6.55	194
401431127	2013	6	11	14	V	3.1	0.5	6.84	189
401431127	2013	6	11	15	V	2.1	0.5	7.13	193
401431127	2013	6	11	16	V	2.6	0.5	6.97	198
401431127	2013	6	11	17	V	2.2	0.4	6.94	196
401431127	2013	6	11	18	V	5.8	0.3	6.65	186
401431127	2013	6	11	19	V	1.5	0.2	5.38	192
401431127	2013	6	11	20	V	1.9	0.2	5.24	184
401431127	2013	6	11	21	V	1.4	0.1	3.59	187
401431127	2013	6	11	22	V	1.0	0	4	184
401431127	2013	6	11	23	V	0.7	0	4.1	182
401431127	2013	6	11	24	V	2.2	0	4.24	184
401431127	2013	6	12	1	V	5.6	0	4.58	186
401431127	2013	6	12	2	V	2.6	0	3.29	170
401431127	2013	6	12	3	V	4.3	0	3.58	177
401431127	2013	6	12	4	V	1.9	0	3.44	197
401431127	2013	6	12	5	V	1.4	0	2.52	198
401431127	2013	6	12	6	V	9.3	0	3.35	196
401431127	2013	6	12	7	V	1.0	0.1	4.88	195
401431127	2013	6	12	8	V	1.9	0	5.38	206
401431127	2013	6	12	9	V	1.6	0.1	6.23	211
401431127	2013	6	12	10	V	1.1	0.2	7.55	201
401431127	2013	6	12	11	V	1.7	0.2	7.55	199
401431127	2013	6	12	12	V	2.3	0.2	7.81	198
401431127	2013	6	12	13	V	2.6	0.2	7.65	202
401431127	2013	6	12	14	V	3.2	0.5	7.23	202
401431127	2013	6	12	15	V	2.2	0.4	6.84	207
401431127	2013	6	12	16	V	2.6	0.3	6.16	216
401431127	2013	6	12	17	V	2.3	0.3	5.87	217
401431127	2013	6	12	18	V	6.0	0.2	5.22	214
401431127	2013	6	12	19	V	1.9	0.2	4.2	204
401431127	2013	6	12	20	V	2.3	0.2	3.32	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	12	21	V	1.4	0.1	2.89	189
401431127	2013	6	12	22	V	1.8	0	2.61	198
401431127	2013	6	12	23	V	0.9	0	2.62	194
401431127	2013	6	12	24	V	8.2	0	1.67	204
401431127	2013	6	13	1	V	9.6	0	1.86	215
401431127	2013	6	13	2	V	6.7	0	1.99	215
401431127	2013	6	13	3	V	4.4	0	1.13	261
401431127	2013	6	13	4	V	0.8	0	1.48	346
401431127	2013	6	13	5	V	0.7	0	0.87	320
401431127	2013	6	13	6	V	8.3	0	1.64	274
401431127	2013	6	13	7	V	0.9	0	2.81	11
401431127	2013	6	13	8	V	1.3	0	3.07	16
401431127	2013	6	13	9	V	1.5	0	3.1	25
401431127	2013	6	13	10	V	1.8	0.1	3.15	34
401431127	2013	6	13	11	V	2.7	0.2	2.69	39
401431127	2013	6	13	12	V	2.3	-999	1.93	341
401431127	2013	6	13	13	V	2.5	0.5	2.18	357
401431127	2013	6	13	14	V	3.2	0.4	1.76	36
401431127	2013	6	13	15	V	2.1	0.3	1.47	318
401431127	2013	6	13	16	V	2.6	0.2	1.4	288
401431127	2013	6	13	17	V	2.3	0.3	1.06	338
401431127	2013	6	13	18	V	5.9	0.2	1.5	346
401431127	2013	6	13	19	V	1.5	0.2	4	69
401431127	2013	6	13	20	V	1.9	0.2	3.97	60
401431127	2013	6	13	21	V	1.4	0.1	2.96	59
401431127	2013	6	13	22	V	1.0	0.1	2.37	62
401431127	2013	6	13	23	V	0.8	0.1	1.23	72
401431127	2013	6	13	24	V	2.2	0.1	1.65	70
401431127	2013	6	14	1	V	5.6	0.1	1.54	72
401431127	2013	6	14	2	V	2.7	0.1	0.82	111
401431127	2013	6	14	3	V	4.4	0.1	0.92	123
401431127	2013	6	14	4	V	2.0	0.1	0.91	54
401431127	2013	6	14	5	V	0.8	0.1	0.55	301
401431127	2013	6	14	6	V	8.5	0.3	1.11	224
401431127	2013	6	14	7	V	0.9	0.2	2.3	161
401431127	2013	6	14	8	V	1.2	0.1	3.35	157
401431127	2013	6	14	9	V	1.4	0	4.02	164
401431127	2013	6	14	10	V	1.0	0	3.83	169
401431127	2013	6	14	11	V	1.6	0	3.73	170
401431127	2013	6	14	12	V	2.2	0.1	3.86	164
401431127	2013	6	14	13	V	2.4	0.1	4.31	176
401431127	2013	6	14	14	V	3.1	0.1	4.73	184
401431127	2013	6	14	15	V	2.1	0.1	4.71	193
401431127	2013	6	14	16	V	2.7	0.1	4.32	202
401431127	2013	6	14	17	V	2.2	0.1	4.68	189
401431127	2013	6	14	18	V	5.8	0.1	4.56	184

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	14	19	V	1.6	0.1	3.61	190
401431127	2013	6	14	20	V	1.9	0.1	3.01	174
401431127	2013	6	14	21	V	1.4	0.1	2.35	182
401431127	2013	6	14	22	V	9.7	0.1	1.54	207
401431127	2013	6	14	23	V	4.5	0.1	0.87	214
401431127	2013	6	14	24	C	-999	0	0	0
401431127	2013	6	15	1	V	5.6	0.1	1.14	171
401431127	2013	6	15	2	V	2.6	0.1	2.11	154
401431127	2013	6	15	3	V	4.3	0	2.4	163
401431127	2013	6	15	4	V	0.7	0	2.66	165
401431127	2013	6	15	5	V	0.6	0	2.33	165
401431127	2013	6	15	6	V	8.3	0	2.42	162
401431127	2013	6	15	7	V	0.9	0	3.25	171
401431127	2013	6	15	8	V	1.2	0	4.29	175
401431127	2013	6	15	9	V	1.4	0	4.83	185
401431127	2013	6	15	10	V	1.0	0	4.88	178
401431127	2013	6	15	11	V	1.6	0	5.75	184
401431127	2013	6	15	12	V	2.2	0	7.47	188
401431127	2013	6	15	13	V	2.6	0	5.53	201
401431127	2013	6	15	14	V	3.1	0	3.49	244
401431127	2013	6	15	15	V	2.0	0	2.69	255
401431127	2013	6	15	16	V	2.6	0	1.55	179
401431127	2013	6	15	17	V	2.2	0	1.76	166
401431127	2013	6	15	18	V	5.8	0	2.44	112
401431127	2013	6	15	19	V	1.5	0	3.17	102
401431127	2013	6	15	20	V	1.9	0	2.84	134
401431127	2013	6	15	21	V	1.4	0	1.72	133
401431127	2013	6	15	22	V	1.0	0	1.47	134
401431127	2013	6	15	23	V	0.7	0	2.16	175
401431127	2013	6	15	24	V	2.2	0	2.37	159
401431127	2013	6	16	1	V	5.5	0	1.99	154
401431127	2013	6	16	2	V	8.2	0	0.97	207
401431127	2013	6	16	3	V	4.4	0	0.82	234
401431127	2013	6	16	4	V	0.9	0	1.57	190
401431127	2013	6	16	5	V	0.8	0	0.92	227
401431127	2013	6	16	6	V	9.5	0	0.8	220
401431127	2013	6	16	7	V	2.8	0.1	1.11	221
401431127	2013	6	16	8	V	1.6	0	2.32	226
401431127	2013	6	16	9	V	2.2	0	4.03	203
401431127	2013	6	16	10	V	1.0	0	3.1	183
401431127	2013	6	16	11	V	1.6	0	2.93	177
401431127	2013	6	16	12	V	2.3	0	2.98	171
401431127	2013	6	16	13	V	2.5	0	2.95	167
401431127	2013	6	16	14	V	3.1	0	2.86	178
401431127	2013	6	16	15	V	2.1	0	2.86	193
401431127	2013	6	16	16	V	2.5	0	5.43	67

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	16	17	V	2.1	0	8.22	76
401431127	2013	6	16	18	V	6.0	0	1.84	212
401431127	2013	6	16	19	V	1.5	0	1.82	171
401431127	2013	6	16	20	V	1.9	0	2.86	150
401431127	2013	6	16	21	V	1.4	0	2.01	74
401431127	2013	6	16	22	V	1.0	0	1.91	133
401431127	2013	6	16	23	V	0.7	0	2.25	185
401431127	2013	6	16	24	V	8.1	0	1.84	204
401431127	2013	6	17	1	V	5.6	0	1.65	176
401431127	2013	6	17	2	V	2.7	0	1.13	240
401431127	2013	6	17	3	V	4.3	0.1	3.2	291
401431127	2013	6	17	4	V	0.7	0	1.93	298
401431127	2013	6	17	5	V	0.7	0	1.62	184
401431127	2013	6	17	6	V	8.3	0	3.44	106
401431127	2013	6	17	7	V	0.9	0	2.13	178
401431127	2013	6	17	8	V	1.4	0	1.91	270
401431127	2013	6	17	9	V	1.5	0	1.99	279
401431127	2013	6	17	10	V	1.0	0	2.1	325
401431127	2013	6	17	11	V	1.7	0	1.91	296
401431127	2013	6	17	12	V	2.3	0	2.33	302
401431127	2013	6	17	13	V	2.4	0	2.91	3
401431127	2013	6	17	14	V	3.1	0	2.59	4
401431127	2013	6	17	15	V	2.0	0	3.66	15
401431127	2013	6	17	16	V	2.5	0	5.09	24
401431127	2013	6	17	17	V	2.1	0	3.23	19
401431127	2013	6	17	18	V	5.9	0.1	4.07	35
401431127	2013	6	17	19	V	1.5	0	2.54	25
401431127	2013	6	17	20	V	1.9	0	1.98	9
401431127	2013	6	17	21	V	1.4	0.1	1.16	357
401431127	2013	6	17	22	V	1.0	0.2	0.82	319
401431127	2013	6	17	23	V	0.8	0.1	0.94	274
401431127	2013	6	17	24	V	2.3	0.1	0.67	272
401431127	2013	6	18	1	C	-999	0	0	0
401431127	2013	6	18	2	C	-999	0.1	0	0
401431127	2013	6	18	3	C	-999	0.1	0	0
401431127	2013	6	18	4	C	-999	0.1	0	0
401431127	2013	6	18	5	C	-999	0	0	0
401431127	2013	6	18	6	V	8.3	0.2	2.36	355
401431127	2013	6	18	7	V	0.9	0	2.36	346
401431127	2013	6	18	8	V	1.3	0	2.15	4
401431127	2013	6	18	9	V	1.4	0	2.83	16
401431127	2013	6	18	10	V	2.5	0	2.23	45
401431127	2013	6	18	11	V	2.3	0	2.71	35
401431127	2013	6	18	12	V	2.8	0	2.81	61
401431127	2013	6	18	13	V	2.5	0	3.32	79
401431127	2013	6	18	14	V	3.1	0	3.05	115

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	18	15	V	2.0	0	2.89	118
401431127	2013	6	18	16	V	2.5	0.1	2.86	117
401431127	2013	6	18	17	V	2.2	0.6	3	139
401431127	2013	6	18	18	V	5.8	0.6	3.46	151
401431127	2013	6	18	19	V	1.5	0.4	3.18	132
401431127	2013	6	18	20	V	1.9	0.2	2.71	120
401431127	2013	6	18	21	V	1.5	0.2	0.97	114
401431127	2013	6	18	22	V	1.1	0.1	0.7	255
401431127	2013	6	18	23	V	0.8	0.1	1.14	227
401431127	2013	6	18	24	V	2.2	0.1	1.31	233
401431127	2013	6	19	1	V	10.4	0.1	0.86	211
401431127	2013	6	19	2	C	-999	0.1	0	0
401431127	2013	6	19	3	V	4.4	0.1	0.74	310
401431127	2013	6	19	4	V	0.9	0.1	0.58	334
401431127	2013	6	19	5	V	0.8	0.1	0.58	284
401431127	2013	6	19	6	V	10.5	0.3	0.63	217
401431127	2013	6	19	7	V	1.2	0.5	0.91	144
401431127	2013	6	19	8	V	1.5	0.2	1.96	183
401431127	2013	6	19	9	V	1.4	0.1	3.54	182
401431127	2013	6	19	10	V	1.0	0.1	4.68	172
401431127	2013	6	19	11	V	1.6	0.1	4.99	163
401431127	2013	6	19	12	V	2.2	0.1	5.27	159
401431127	2013	6	19	13	V	2.4	0.1	5.55	169
401431127	2013	6	19	14	V	3.0	0.1	5.8	168
401431127	2013	6	19	15	V	2.0	0.1	5.51	172
401431127	2013	6	19	16	V	2.5	0.1	4.9	171
401431127	2013	6	19	17	V	2.1	0.2	4.68	169
401431127	2013	6	19	18	V	5.8	0.1	4.56	171
401431127	2013	6	19	19	V	1.5	0.1	4.03	172
401431127	2013	6	19	20	V	1.9	0.1	2.35	172
401431127	2013	6	19	21	V	1.4	0.1	1.93	163
401431127	2013	6	19	22	V	1.0	0	2.86	158
401431127	2013	6	19	23	V	0.7	0	2.83	162
401431127	2013	6	19	24	V	2.2	0	2.49	165
401431127	2013	6	20	1	V	5.5	0	1.88	143
401431127	2013	6	20	2	V	2.6	0	2.1	147
401431127	2013	6	20	3	V	4.3	0	2.11	165
401431127	2013	6	20	4	V	0.7	0	2.35	154
401431127	2013	6	20	5	V	0.6	0	2.61	148
401431127	2013	6	20	6	V	8.3	0	2.59	158
401431127	2013	6	20	7	V	0.8	0.1	3.83	167
401431127	2013	6	20	8	V	1.2	0	4.44	168
401431127	2013	6	20	9	V	1.3	0	5.28	168
401431127	2013	6	20	10	V	0.9	0	5.46	176
401431127	2013	6	20	11	V	1.5	-999	5.56	175
401431127	2013	6	20	12	V	2.2	0	5.8	172

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	20	13	V	2.4	0	6.21	169
401431127	2013	6	20	14	V	3.0	0.1	6.5	175
401431127	2013	6	20	15	V	2.0	0	7.08	174
401431127	2013	6	20	16	V	2.5	0.1	7.26	178
401431127	2013	6	20	17	V	2.1	0.1	7.16	173
401431127	2013	6	20	18	V	5.8	0.1	6.94	173
401431127	2013	6	20	19	V	1.5	0.1	6.53	174
401431127	2013	6	20	20	V	1.9	0	4.94	171
401431127	2013	6	20	21	V	1.4	0	4.22	170
401431127	2013	6	20	22	V	1.0	0	3.71	171
401431127	2013	6	20	23	V	0.7	0	3.75	171
401431127	2013	6	20	24	V	2.2	0	3.85	176
401431127	2013	6	21	1	V	5.5	0	3.35	168
401431127	2013	6	21	2	V	2.6	0	3.06	167
401431127	2013	6	21	3	V	4.3	0	2.98	166
401431127	2013	6	21	4	V	0.7	0	3.52	167
401431127	2013	6	21	5	V	0.6	0	3.46	169
401431127	2013	6	21	6	V	8.3	0	3.15	163
401431127	2013	6	21	7	V	0.8	0	4.15	175
401431127	2013	6	21	8	V	1.2	0	4.24	184
401431127	2013	6	21	9	V	1.4	0	5.62	188
401431127	2013	6	21	10	V	1.0	0	5.5	186
401431127	2013	6	21	11	V	1.5	0	5.82	181
401431127	2013	6	21	12	V	2.2	0	6.06	174
401431127	2013	6	21	13	V	2.4	0.1	6.3	175
401431127	2013	6	21	14	V	3.0	0.3	6.97	176
401431127	2013	6	21	15	V	2.0	0.2	6.7	177
401431127	2013	6	21	16	V	2.5	0.2	5.99	174
401431127	2013	6	21	17	V	2.1	0.1	6.43	182
401431127	2013	6	21	18	V	5.8	0.1	6.89	175
401431127	2013	6	21	19	V	1.5	0.1	5.82	175
401431127	2013	6	21	20	V	1.9	0.1	4.68	173
401431127	2013	6	21	21	V	1.4	0	3.76	170
401431127	2013	6	21	22	V	1.0	0	3.49	169
401431127	2013	6	21	23	V	0.7	0	2.93	170
401431127	2013	6	21	24	V	2.2	0	2.86	166
401431127	2013	6	22	1	V	5.5	0	2.98	162
401431127	2013	6	22	2	V	2.6	0	2.22	174
401431127	2013	6	22	3	V	4.3	0	2.47	163
401431127	2013	6	22	4	V	0.7	0	2.74	171
401431127	2013	6	22	5	V	0.6	0	2.15	158
401431127	2013	6	22	6	V	8.3	0	2.18	157
401431127	2013	6	22	7	V	0.8	0.1	3.22	167
401431127	2013	6	22	8	V	1.2	0	3.92	182
401431127	2013	6	22	9	V	1.4	0	4.58	183
401431127	2013	6	22	10	V	1.0	0	5.67	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	22	11	V	1.6	0	6.29	190
401431127	2013	6	22	12	V	2.2	0	6.43	183
401431127	2013	6	22	13	V	2.4	0.1	5.9	175
401431127	2013	6	22	14	V	3.0	0.1	6.36	174
401431127	2013	6	22	15	V	2.0	0.1	7.04	168
401431127	2013	6	22	16	V	2.5	0.1	7.26	171
401431127	2013	6	22	17	V	2.1	0.1	7.26	174
401431127	2013	6	22	18	V	5.8	0.1	7.11	175
401431127	2013	6	22	19	V	1.5	0.1	5.41	170
401431127	2013	6	22	20	V	1.9	0.1	4.71	170
401431127	2013	6	22	21	V	1.4	0.1	3.93	167
401431127	2013	6	22	22	V	1.0	0	3.8	167
401431127	2013	6	22	23	V	0.7	0	4.17	166
401431127	2013	6	22	24	V	2.2	0	3.76	167
401431127	2013	6	23	1	V	5.5	0	3.9	165
401431127	2013	6	23	2	V	2.6	0	4.44	155
401431127	2013	6	23	3	V	4.3	0	4.43	161
401431127	2013	6	23	4	V	0.7	0	4.05	168
401431127	2013	6	23	5	V	0.6	0	3.49	168
401431127	2013	6	23	6	V	8.3	0	3.8	167
401431127	2013	6	23	7	V	0.8	0	4.09	170
401431127	2013	6	23	8	V	1.2	0	5.68	184
401431127	2013	6	23	9	V	1.3	0	7.18	185
401431127	2013	6	23	10	V	0.9	0	7.64	187
401431127	2013	6	23	11	V	1.6	0	7.11	191
401431127	2013	6	23	12	V	2.2	0	7.06	185
401431127	2013	6	23	13	V	2.4	0.1	7.52	181
401431127	2013	6	23	14	V	3.0	0.1	6.69	177
401431127	2013	6	23	15	V	2.0	0.1	6.99	174
401431127	2013	6	23	16	V	2.5	0.1	6.89	171
401431127	2013	6	23	17	V	2.1	0.1	6.94	173
401431127	2013	6	23	18	V	5.8	0.2	7.88	176
401431127	2013	6	23	19	V	1.5	0.1	6.86	175
401431127	2013	6	23	20	V	1.9	0.1	4.6	169
401431127	2013	6	23	21	V	1.4	0	4.76	164
401431127	2013	6	23	22	V	1.0	0	3.83	162
401431127	2013	6	23	23	V	0.7	0	3.66	164
401431127	2013	6	23	24	V	2.2	0	2.98	176
401431127	2013	6	24	1	V	5.5	0	2.33	167
401431127	2013	6	24	2	V	2.6	0	2.13	155
401431127	2013	6	24	3	V	4.3	0	2.3	151
401431127	2013	6	24	4	V	0.7	0	2.61	153
401431127	2013	6	24	5	V	0.6	0	3.23	154
401431127	2013	6	24	6	V	8.3	0	3.27	171
401431127	2013	6	24	7	V	0.9	0	3.17	170
401431127	2013	6	24	8	V	1.2	0	3.97	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	24	9	V	1.5	0	5.62	195
401431127	2013	6	24	10	V	1.0	0	6.92	192
401431127	2013	6	24	11	V	1.6	0	7.6	188
401431127	2013	6	24	12	V	2.2	0.1	7.04	186
401431127	2013	6	24	13	V	2.4	0.1	6.8	186
401431127	2013	6	24	14	V	3.0	0.1	6.81	179
401431127	2013	6	24	15	V	2.0	0.1	6.46	181
401431127	2013	6	24	16	V	2.5	0.1	6.38	176
401431127	2013	6	24	17	V	2.1	0.1	6.69	176
401431127	2013	6	24	18	V	5.8	0.1	5.96	173
401431127	2013	6	24	19	V	1.5	0	5.73	173
401431127	2013	6	24	20	V	1.9	0	4.53	167
401431127	2013	6	24	21	V	1.4	0	3.86	165
401431127	2013	6	24	22	V	1.0	0	4.05	166
401431127	2013	6	24	23	V	0.7	0	4.15	165
401431127	2013	6	24	24	V	2.2	0	3.44	168
401431127	2013	6	25	1	V	5.5	0	2.95	166
401431127	2013	6	25	2	V	2.6	0	3.12	170
401431127	2013	6	25	3	V	4.3	0	2.98	171
401431127	2013	6	25	4	V	0.7	0	2.98	168
401431127	2013	6	25	5	V	0.6	0	3.15	169
401431127	2013	6	25	6	V	8.3	0	3.34	174
401431127	2013	6	25	7	V	0.8	0	3.97	177
401431127	2013	6	25	8	V	1.2	0	6.7	187
401431127	2013	6	25	9	V	1.3	0.1	6.94	188
401431127	2013	6	25	10	V	1.0	0.1	6.62	192
401431127	2013	6	25	11	V	1.7	0.1	5.48	196
401431127	2013	6	25	12	V	2.2	0.1	6.21	182
401431127	2013	6	25	13	V	2.4	0.1	7.83	175
401431127	2013	6	25	14	V	3.0	0	8.35	176
401431127	2013	6	25	15	V	2.0	0.1	7.96	176
401431127	2013	6	25	16	V	2.5	0.1	9.56	176
401431127	2013	6	25	17	V	2.1	0	8.46	188
401431127	2013	6	25	18	V	5.8	0.1	7.46	182
401431127	2013	6	25	19	V	1.5	0.1	4.86	176
401431127	2013	6	25	20	V	1.9	0.1	3.36	169
401431127	2013	6	25	21	V	1.4	0	4.05	168
401431127	2013	6	25	22	V	1.0	0	4.02	169
401431127	2013	6	25	23	V	0.7	0	4.29	174
401431127	2013	6	25	24	V	2.2	0	3.64	169
401431127	2013	6	26	1	V	5.5	0	3.3	168
401431127	2013	6	26	2	V	2.6	0	2.72	170
401431127	2013	6	26	3	V	4.3	0	2.4	167
401431127	2013	6	26	4	V	0.7	0	2.42	179
401431127	2013	6	26	5	V	0.7	0	2.55	190
401431127	2013	6	26	6	V	8.4	0	3.07	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	26	7	V	1.1	0.1	3.46	194
401431127	2013	6	26	8	V	1.5	0.1	5.87	200
401431127	2013	6	26	9	V	1.6	0.1	5.77	200
401431127	2013	6	26	10	V	1.3	0.1	5.79	203
401431127	2013	6	26	11	V	1.7	0.1	6.28	197
401431127	2013	6	26	12	V	2.6	0.2	5.12	202
401431127	2013	6	26	13	V	2.8	0.2	4.54	209
401431127	2013	6	26	14	V	3.3	0.2	4.37	201
401431127	2013	6	26	15	V	2.1	0.4	4.65	189
401431127	2013	6	26	16	V	2.6	0.3	4.44	190
401431127	2013	6	26	17	V	2.2	0.3	4.19	192
401431127	2013	6	26	18	V	5.9	0.2	3.95	196
401431127	2013	6	26	19	V	1.7	0.2	3.88	196
401431127	2013	6	26	20	V	2.0	0.1	2.69	191
401431127	2013	6	26	21	V	5.3	0.1	1.71	202
401431127	2013	6	26	22	V	2.2	0	2.03	199
401431127	2013	6	26	23	V	10.3	0	1.71	208
401431127	2013	6	26	24	V	2.3	0	0.75	317
401431127	2013	6	27	1	V	5.7	0	0.69	277
401431127	2013	6	27	2	V	2.9	0	0.7	228
401431127	2013	6	27	3	C	-999	0	0	0
401431127	2013	6	27	4	V	4.1	0	0.77	214
401431127	2013	6	27	5	V	7.2	0	1.06	211
401431127	2013	6	27	6	V	8.5	0	0.62	273
401431127	2013	6	27	7	V	1.2	0	1.3	181
401431127	2013	6	27	8	V	1.3	0.1	3.44	186
401431127	2013	6	27	9	V	1.6	0	4.09	195
401431127	2013	6	27	10	V	1.6	0	2.81	208
401431127	2013	6	27	11	V	1.8	0	2.27	194
401431127	2013	6	27	12	V	2.3	0.1	2.32	164
401431127	2013	6	27	13	V	2.5	0.2	2.76	168
401431127	2013	6	27	14	V	3.1	0.2	3.49	167
401431127	2013	6	27	15	V	2.0	0.2	3.97	160
401431127	2013	6	27	16	V	2.5	0.1	3.98	173
401431127	2013	6	27	17	V	2.2	0.1	4.05	182
401431127	2013	6	27	18	V	5.8	0.1	4.66	170
401431127	2013	6	27	19	V	1.5	0.1	3.42	177
401431127	2013	6	27	20	V	2.2	0.1	2.2	195
401431127	2013	6	27	21	V	1.4	0.1	2.49	259
401431127	2013	6	27	22	V	1.0	0	3.1	276
401431127	2013	6	27	23	V	0.7	0	2.35	259
401431127	2013	6	27	24	V	8.1	0	2.01	204
401431127	2013	6	28	1	V	5.5	0.1	2.81	182
401431127	2013	6	28	2	V	2.7	0	1.09	249
401431127	2013	6	28	3	V	4.3	0	2.06	278
401431127	2013	6	28	4	V	0.8	0	1.52	282

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	28	5	V	0.7	0	1.11	269
401431127	2013	6	28	6	V	8.3	0	1.93	348
401431127	2013	6	28	7	V	1.0	0	1.89	354
401431127	2013	6	28	8	V	1.3	0	2.64	342
401431127	2013	6	28	9	V	1.4	0	2.95	358
401431127	2013	6	28	10	V	1.0	0	3.85	11
401431127	2013	6	28	11	V	1.6	0	4.29	11
401431127	2013	6	28	12	V	2.2	0	3.81	6
401431127	2013	6	28	13	V	2.4	0	4.05	7
401431127	2013	6	28	14	V	3.1	0.1	2.25	346
401431127	2013	6	28	15	V	2.1	0.1	1.82	312
401431127	2013	6	28	16	V	2.5	0.1	2.93	353
401431127	2013	6	28	17	V	2.2	0.1	2.88	340
401431127	2013	6	28	18	V	5.8	0.1	1.96	346
401431127	2013	6	28	19	V	1.6	0.1	0.89	300
401431127	2013	6	28	20	V	1.9	0.1	1.33	297
401431127	2013	6	28	21	V	1.4	0	4.39	19
401431127	2013	6	28	22	V	1.0	0	3.63	13
401431127	2013	6	28	23	V	0.7	0	3.12	12
401431127	2013	6	28	24	V	2.2	0	2.56	10
401431127	2013	6	29	1	V	5.5	0	2.49	9
401431127	2013	6	29	2	V	2.6	0	1.98	6
401431127	2013	6	29	3	V	4.4	0	0.89	268
401431127	2013	6	29	4	V	0.8	0	0.91	262
401431127	2013	6	29	5	V	0.7	0	0.97	263
401431127	2013	6	29	6	V	8.5	0	0.74	274
401431127	2013	6	29	7	V	1.2	0	0.91	285
401431127	2013	6	29	8	V	1.4	0	1.64	340
401431127	2013	6	29	9	V	1.4	0	2.4	334
401431127	2013	6	29	10	V	1.0	0	3.27	342
401431127	2013	6	29	11	V	1.5	0.1	4.7	346
401431127	2013	6	29	12	V	2.2	0.1	4.58	348
401431127	2013	6	29	13	V	2.4	0.1	4.76	351
401431127	2013	6	29	14	V	3.0	0	4.54	346
401431127	2013	6	29	15	V	2.0	0	4.12	344
401431127	2013	6	29	16	V	2.5	0	4.25	346
401431127	2013	6	29	17	V	2.1	0.1	4.36	1
401431127	2013	6	29	18	V	5.8	0.1	4.07	348
401431127	2013	6	29	19	V	1.5	0.1	3.23	1
401431127	2013	6	29	20	V	1.9	0.1	3.39	8
401431127	2013	6	29	21	V	1.4	0	4	17
401431127	2013	6	29	22	V	1.0	0	2.96	5
401431127	2013	6	29	23	V	0.7	0.1	2.54	2
401431127	2013	6	29	24	V	2.2	0	2.45	349
401431127	2013	6	30	1	V	5.5	0.1	2.71	360
401431127	2013	6	30	2	V	2.6	0.1	2.37	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	6	30	3	V	4.3	0	2.81	357
401431127	2013	6	30	4	V	0.7	0	3.29	358
401431127	2013	6	30	5	V	0.6	0	2.76	4
401431127	2013	6	30	6	V	8.3	0	2.06	338
401431127	2013	6	30	7	V	0.9	0	2.78	350
401431127	2013	6	30	8	V	1.2	0.1	4.14	8
401431127	2013	6	30	9	V	1.4	0	3.9	7
401431127	2013	6	30	10	V	1.0	0	4.53	360
401431127	2013	6	30	11	V	1.5	0	5.16	3
401431127	2013	6	30	12	V	2.2	0	5.55	5
401431127	2013	6	30	13	V	2.4	0	6.01	11
401431127	2013	6	30	14	V	3.0	0	5.45	6
401431127	2013	6	30	15	V	2.0	0	5.27	11
401431127	2013	6	30	16	V	2.5	0	4.49	7
401431127	2013	6	30	17	V	2.1	0	4.78	15
401431127	2013	6	30	18	V	5.8	0	4.22	1
401431127	2013	6	30	19	V	1.5	0	2.96	352
401431127	2013	6	30	20	V	1.9	0	2.32	349
401431127	2013	6	30	21	V	1.4	0	1.96	342
401431127	2013	6	30	22	V	1.0	0	2.08	347
401431127	2013	6	30	23	V	0.7	0	2.42	6
401431127	2013	6	30	24	V	2.2	0	1.69	352
401431127	2013	7	1	1	V	5.5	0	2.18	4
401431127	2013	7	1	2	V	2.6	0	2.39	2
401431127	2013	7	1	3	V	4.3	0	2.42	358
401431127	2013	7	1	4	V	0.7	0	2.44	6
401431127	2013	7	1	5	V	0.7	0	1.71	3
401431127	2013	7	1	6	V	8.3	0	2.33	3
401431127	2013	7	1	7	V	0.8	0	3.23	4
401431127	2013	7	1	8	V	1.2	0.1	3.42	6
401431127	2013	7	1	9	V	1.4	0.1	3.76	16
401431127	2013	7	1	10	V	0.9	0.2	4.56	19
401431127	2013	7	1	11	V	1.5	-999	5.04	10
401431127	2013	7	1	12	V	2.2	-999	5.33	19
401431127	2013	7	1	13	V	2.4	0.1	4.17	357
401431127	2013	7	1	14	V	3.0	0.2	3.9	357
401431127	2013	7	1	15	V	2.0	0.2	3.97	355
401431127	2013	7	1	16	V	2.5	0.1	4.51	9
401431127	2013	7	1	17	V	2.1	0.2	4.09	5
401431127	2013	7	1	18	V	5.8	0.1	5.48	18
401431127	2013	7	1	19	V	1.5	0.2	5.22	16
401431127	2013	7	1	20	V	1.9	0.3	5	26
401431127	2013	7	1	21	V	1.4	0.1	2.04	17
401431127	2013	7	1	22	V	1.0	0.1	1.03	340
401431127	2013	7	1	23	V	0.7	0.1	1.38	320
401431127	2013	7	1	24	V	2.4	0.1	0.69	259

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	2	1	V	5.7	0	0.74	254
401431127	2013	7	2	2	V	2.8	0	0.63	244
401431127	2013	7	2	3	C	-999	0	0	0
401431127	2013	7	2	4	V	0.9	0	0.63	289
401431127	2013	7	2	5	V	0.8	0.1	0.69	290
401431127	2013	7	2	6	V	8.4	0.3	1.04	307
401431127	2013	7	2	7	V	1.2	0.7	0.84	335
401431127	2013	7	2	8	V	1.3	0.1	2.25	17
401431127	2013	7	2	9	V	2.0	0.2	1.81	25
401431127	2013	7	2	10	V	1.2	0.1	1.14	342
401431127	2013	7	2	11	V	1.6	0.5	2.47	23
401431127	2013	7	2	12	V	2.2	0.3	3.18	8
401431127	2013	7	2	13	V	2.4	0.3	4.25	19
401431127	2013	7	2	14	V	3.0	0.5	4.05	8
401431127	2013	7	2	15	V	2.0	0.4	4.1	20
401431127	2013	7	2	16	V	2.5	0.3	3.3	9
401431127	2013	7	2	17	V	2.1	0.4	3.22	11
401431127	2013	7	2	18	V	5.8	0.4	3.3	16
401431127	2013	7	2	19	V	1.5	0.3	2.32	13
401431127	2013	7	2	20	V	1.9	0.3	1.65	13
401431127	2013	7	2	21	V	1.4	0.2	1.16	15
401431127	2013	7	2	22	V	1.1	0.3	0.87	350
401431127	2013	7	2	23	V	0.8	0.2	0.77	274
401431127	2013	7	2	24	V	2.4	0.2	0.7	280
401431127	2013	7	3	1	V	5.7	0.1	0.53	263
401431127	2013	7	3	2	C	-999	0.1	0	0
401431127	2013	7	3	3	C	-999	0.1	0	0
401431127	2013	7	3	4	V	0.9	0.2	0.52	284
401431127	2013	7	3	5	C	-999	0.3	0	0
401431127	2013	7	3	6	V	8.5	0.2	0.63	261
401431127	2013	7	3	7	C	-999	0.4	0	0
401431127	2013	7	3	8	V	1.8	0.5	0.79	109
401431127	2013	7	3	9	V	1.5	0.5	2.01	163
401431127	2013	7	3	10	V	1.2	0.3	1.64	180
401431127	2013	7	3	11	V	1.7	0.2	1.86	120
401431127	2013	7	3	12	V	2.3	0.2	2.11	126
401431127	2013	7	3	13	V	2.4	0.2	2.52	112
401431127	2013	7	3	14	V	3.1	0.2	2.56	114
401431127	2013	7	3	15	V	2.0	0.2	2.59	119
401431127	2013	7	3	16	V	2.5	0.2	2.88	122
401431127	2013	7	3	17	V	2.2	0.3	3.18	171
401431127	2013	7	3	18	V	5.8	0.3	3.68	124
401431127	2013	7	3	19	V	1.5	0.3	3.46	138
401431127	2013	7	3	20	V	1.9	0.2	1.7	164
401431127	2013	7	3	21	C	-999	0.4	0	0
401431127	2013	7	3	22	C	-999	0.5	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	3	23	V	0.9	0.4	0.6	280
401431127	2013	7	3	24	V	2.4	0.3	0.6	279
401431127	2013	7	4	1	V	5.6	0.2	0.75	287
401431127	2013	7	4	2	V	2.7	0.4	0.74	278
401431127	2013	7	4	3	V	4.5	0.1	0.53	269
401431127	2013	7	4	4	V	0.8	0.1	0.86	243
401431127	2013	7	4	5	V	0.7	0.2	0.75	238
401431127	2013	7	4	6	V	9.7	0.3	0.67	220
401431127	2013	7	4	7	V	0.9	0.4	1.38	163
401431127	2013	7	4	8	V	1.3	0.2	2.64	164
401431127	2013	7	4	9	V	1.4	0.3	3.75	184
401431127	2013	7	4	10	V	1.1	0.4	4.99	196
401431127	2013	7	4	11	V	1.7	0.7	4.82	194
401431127	2013	7	4	12	V	2.5	0.7	4.27	198
401431127	2013	7	4	13	V	2.7	1	2.78	213
401431127	2013	7	4	14	V	3.2	1.1	2.01	183
401431127	2013	7	4	15	V	2.1	1.4	2.71	183
401431127	2013	7	4	16	V	2.6	1.3	2.62	196
401431127	2013	7	4	17	V	2.1	1.1	4.29	170
401431127	2013	7	4	18	V	5.8	0.6	5.05	168
401431127	2013	7	4	19	V	1.5	0.4	4.9	142
401431127	2013	7	4	20	V	1.9	0.2	3.37	166
401431127	2013	7	4	21	V	1.4	0.2	2.33	171
401431127	2013	7	4	22	V	1.3	0.3	0.91	193
401431127	2013	7	4	23	V	0.8	0.3	0.92	163
401431127	2013	7	4	24	V	2.2	0.4	1.55	154
401431127	2013	7	5	1	V	5.7	0.4	0.92	190
401431127	2013	7	5	2	V	2.8	0.2	0.55	233
401431127	2013	7	5	3	V	4.5	0.2	0.53	161
401431127	2013	7	5	4	V	0.8	0.1	1.04	226
401431127	2013	7	5	5	V	0.7	0.1	1.04	168
401431127	2013	7	5	6	V	8.4	0.2	0.82	176
401431127	2013	7	5	7	V	0.9	0.2	1.48	170
401431127	2013	7	5	8	V	1.2	0.1	3.13	166
401431127	2013	7	5	9	V	1.4	0.1	3.98	181
401431127	2013	7	5	10	V	1.0	0.2	4.25	189
401431127	2013	7	5	11	V	1.6	0.6	4.78	191
401431127	2013	7	5	12	V	2.5	0.6	4.7	198
401431127	2013	7	5	13	V	2.9	0.8	3.22	205
401431127	2013	7	5	14	V	3.2	1.8	2.67	193
401431127	2013	7	5	15	V	2.1	1.9	2.23	176
401431127	2013	7	5	16	V	2.5	0.7	3.17	180
401431127	2013	7	5	17	V	2.1	0.4	3.83	167
401431127	2013	7	5	18	V	5.8	0.3	4.49	160
401431127	2013	7	5	19	V	1.5	0.3	3.46	153
401431127	2013	7	5	20	V	1.9	0.3	2.23	146

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	5	21	V	1.4	0.3	1.84	139
401431127	2013	7	5	22	V	1.0	0.3	2.45	147
401431127	2013	7	5	23	V	0.7	0.4	2.27	157
401431127	2013	7	5	24	V	2.2	0.4	2.52	177
401431127	2013	7	6	1	V	5.5	0.3	3.15	179
401431127	2013	7	6	2	V	2.6	0.2	3.01	183
401431127	2013	7	6	3	V	4.3	0.2	2.81	182
401431127	2013	7	6	4	V	0.7	0.3	2.76	169
401431127	2013	7	6	5	V	0.6	0.4	1.88	171
401431127	2013	7	6	6	V	8.3	0.5	2.47	168
401431127	2013	7	6	7	V	0.8	0.4	3.01	170
401431127	2013	7	6	8	V	1.3	0.6	3.06	181
401431127	2013	7	6	9	V	1.4	0.6	3.68	169
401431127	2013	7	6	10	V	1.0	0.5	4.42	150
401431127	2013	7	6	11	V	1.6	0.3	4.22	156
401431127	2013	7	6	12	V	2.2	0.3	5.1	160
401431127	2013	7	6	13	V	2.4	0.3	5.48	162
401431127	2013	7	6	14	V	3.0	0.3	5.82	159
401431127	2013	7	6	15	V	2.0	0.3	5.87	161
401431127	2013	7	6	16	V	2.5	0.3	5.09	165
401431127	2013	7	6	17	V	2.1	0.2	3.81	165
401431127	2013	7	6	18	V	5.8	0.2	3.9	135
401431127	2013	7	6	19	V	1.5	0.2	3.44	133
401431127	2013	7	6	20	V	1.9	0.2	3.13	149
401431127	2013	7	6	21	V	1.4	0.3	1.72	172
401431127	2013	7	6	22	V	1.1	0.2	0.84	151
401431127	2013	7	6	23	C	-999	0.2	0	0
401431127	2013	7	6	24	V	4.8	0.2	0.63	215
401431127	2013	7	7	1	V	6.0	0.1	0.87	223
401431127	2013	7	7	2	V	2.7	0.1	2.13	185
401431127	2013	7	7	3	V	4.4	0.2	2.91	187
401431127	2013	7	7	4	V	0.7	0.1	1.76	179
401431127	2013	7	7	5	V	0.6	0.1	2.01	142
401431127	2013	7	7	6	V	8.3	0.1	2.16	176
401431127	2013	7	7	7	V	0.9	0.1	2.01	172
401431127	2013	7	7	8	V	1.5	0.1	1.6	177
401431127	2013	7	7	9	V	1.4	0.1	3.32	186
401431127	2013	7	7	10	V	1.0	0.1	5.07	188
401431127	2013	7	7	11	V	1.6	0.1	5.22	193
401431127	2013	7	7	12	V	2.2	0.1	4.71	181
401431127	2013	7	7	13	V	2.5	0.1	4.34	190
401431127	2013	7	7	14	V	3.0	0.2	4.46	172
401431127	2013	7	7	15	V	2.0	0.2	4.85	173
401431127	2013	7	7	16	V	2.5	0.4	5.12	171
401431127	2013	7	7	17	V	2.1	0.4	4.65	164
401431127	2013	7	7	18	V	5.8	0.5	4.66	161

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	7	19	V	1.5	0.3	3.86	165
401431127	2013	7	7	20	V	1.9	0.2	3.07	168
401431127	2013	7	7	21	V	1.5	0.1	1.94	192
401431127	2013	7	7	22	V	5.9	0.1	0.99	213
401431127	2013	7	7	23	V	0.9	0.1	0.62	237
401431127	2013	7	7	24	C	-999	0.1	0	0
401431127	2013	7	8	1	V	5.7	0.1	0.65	236
401431127	2013	7	8	2	C	-999	0.2	0	0
401431127	2013	7	8	3	V	4.5	0.1	0.52	250
401431127	2013	7	8	4	C	-999	0.1	0	0
401431127	2013	7	8	5	V	2.9	0	0.62	201
401431127	2013	7	8	6	V	8.6	0.1	0.62	186
401431127	2013	7	8	7	V	1.5	0	0.58	253
401431127	2013	7	8	8	V	2.5	0.1	2.96	200
401431127	2013	7	8	9	V	1.4	0	4.07	185
401431127	2013	7	8	10	V	1.7	0	1.52	227
401431127	2013	7	8	11	V	1.6	0	4.22	190
401431127	2013	7	8	12	V	2.4	0	4.36	194
401431127	2013	7	8	13	V	2.4	0.1	4.65	188
401431127	2013	7	8	14	V	3.1	0.1	4.65	185
401431127	2013	7	8	15	V	2.0	0.1	4.56	183
401431127	2013	7	8	16	V	2.5	0.2	5	176
401431127	2013	7	8	17	V	2.1	0.1	5.28	163
401431127	2013	7	8	18	V	5.8	0.1	5.27	172
401431127	2013	7	8	19	V	1.5	0.1	4.78	171
401431127	2013	7	8	20	V	1.9	0.1	3.12	170
401431127	2013	7	8	21	V	1.4	0	2.61	172
401431127	2013	7	8	22	V	1.1	0	1.89	191
401431127	2013	7	8	23	V	1.8	0	1.31	219
401431127	2013	7	8	24	V	3.1	0	1.21	197
401431127	2013	7	9	1	V	5.6	0	1.89	188
401431127	2013	7	9	2	V	2.7	0	2.95	189
401431127	2013	7	9	3	V	4.4	0	3.17	190
401431127	2013	7	9	4	V	4.4	0	1.96	202
401431127	2013	7	9	5	V	8.1	0	1.25	209
401431127	2013	7	9	6	V	8.5	0	1.65	193
401431127	2013	7	9	7	V	0.9	0.1	3.56	188
401431127	2013	7	9	8	V	1.9	0	4.42	202
401431127	2013	7	9	9	V	2.2	0.1	4.58	206
401431127	2013	7	9	10	V	1.6	-999	4.05	201
401431127	2013	7	9	11	V	1.6	-999	5.02	185
401431127	2013	7	9	12	V	2.2	0.7	5.22	184
401431127	2013	7	9	13	V	2.4	0.3	5.43	189
401431127	2013	7	9	14	V	3.2	0.3	5.9	197
401431127	2013	7	9	15	V	2.1	0.3	5.41	196
401431127	2013	7	9	16	V	2.8	0.4	5.34	202

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	9	17	V	2.5	0.4	4.99	205
401431127	2013	7	9	18	V	6.2	0.5	4.83	206
401431127	2013	7	9	19	V	1.7	0.5	4.48	197
401431127	2013	7	9	20	V	1.9	0.3	3.68	184
401431127	2013	7	9	21	V	1.4	0.1	3.61	187
401431127	2013	7	9	22	V	1.1	0.1	3.54	189
401431127	2013	7	9	23	V	2.8	0.1	2.84	200
401431127	2013	7	9	24	V	7.4	0	1.59	214
401431127	2013	7	10	1	V	15.1	0	1.94	208
401431127	2013	7	10	2	V	3.8	0.1	2.28	199
401431127	2013	7	10	3	V	8.9	0.7	1.21	203
401431127	2013	7	10	4	V	0.8	0.5	1.14	354
401431127	2013	7	10	5	V	6.4	0.3	1.04	207
401431127	2013	7	10	6	V	9.0	0.2	0.84	222
401431127	2013	7	10	7	V	1.0	0.4	1.88	178
401431127	2013	7	10	8	V	1.5	0.2	2.06	184
401431127	2013	7	10	9	V	3.6	0.4	2.76	209
401431127	2013	7	10	10	V	1.3	0.4	3.68	218
401431127	2013	7	10	11	V	1.7	0.3	2.11	235
401431127	2013	7	10	12	V	2.3	0.2	2.04	268
401431127	2013	7	10	13	V	2.5	0.4	1.88	292
401431127	2013	7	10	14	V	3.2	0.3	1.47	297
401431127	2013	7	10	15	V	2.0	0.3	2.52	263
401431127	2013	7	10	16	V	2.5	0.4	2.13	279
401431127	2013	7	10	17	V	2.2	0.3	2.23	249
401431127	2013	7	10	18	V	5.8	0.2	2.89	240
401431127	2013	7	10	19	V	1.5	0.2	2.06	244
401431127	2013	7	10	20	V	1.9	0.2	0.87	258
401431127	2013	7	10	21	V	1.5	0.1	0.69	274
401431127	2013	7	10	22	V	1.1	0.1	0.72	295
401431127	2013	7	10	23	V	0.8	0.2	1.08	248
401431127	2013	7	10	24	V	10.9	0.1	1.48	208
401431127	2013	7	11	1	V	5.6	0.1	0.97	167
401431127	2013	7	11	2	V	2.7	0.1	1.35	181
401431127	2013	7	11	3	V	4.5	0.1	0.69	180
401431127	2013	7	11	4	V	0.9	0	0.94	189
401431127	2013	7	11	5	V	0.7	0.1	1.53	118
401431127	2013	7	11	6	V	8.4	0	1.77	108
401431127	2013	7	11	7	V	0.9	0.1	2.2	137
401431127	2013	7	11	8	V	1.4	0	1.94	179
401431127	2013	7	11	9	V	4.5	0	1.94	208
401431127	2013	7	11	10	V	1.4	0	0.96	327
401431127	2013	7	11	11	V	1.7	0	1.72	1
401431127	2013	7	11	12	V	3.4	0	2.08	39
401431127	2013	7	11	13	V	3.7	0.1	3.29	47
401431127	2013	7	11	14	V	3.8	0.1	3.35	51

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	11	15	V	2.2	0.2	3.29	63
401431127	2013	7	11	16	V	3.0	0.4	4.44	54
401431127	2013	7	11	17	V	2.2	0.3	3.8	71
401431127	2013	7	11	18	V	5.8	0.3	1.94	245
401431127	2013	7	11	19	V	1.7	0.5	0.89	224
401431127	2013	7	11	20	V	1.9	0.5	1.13	232
401431127	2013	7	11	21	V	1.5	0.2	0.72	289
401431127	2013	7	11	22	V	1.1	0.1	0.72	280
401431127	2013	7	11	23	V	0.9	0.1	0.65	269
401431127	2013	7	11	24	V	2.3	0.1	0.75	242
401431127	2013	7	12	1	V	9.9	0.1	0.8	211
401431127	2013	7	12	2	V	2.8	0.1	0.74	236
401431127	2013	7	12	3	C	-999	0.1	0	0
401431127	2013	7	12	4	C	-999	0.1	0	0
401431127	2013	7	12	5	V	0.8	0.1	0.91	190
401431127	2013	7	12	6	V	8.4	0.3	1.3	186
401431127	2013	7	12	7	V	0.9	0.1	1.82	168
401431127	2013	7	12	8	V	1.2	0	3.61	166
401431127	2013	7	12	9	V	1.4	0	3.88	161
401431127	2013	7	12	10	V	1.0	0	4.19	163
401431127	2013	7	12	11	V	1.6	0	4.36	156
401431127	2013	7	12	12	V	2.2	0	4.29	165
401431127	2013	7	12	13	V	2.4	0	4.1	162
401431127	2013	7	12	14	V	3.0	0	4.1	161
401431127	2013	7	12	15	V	2.0	0	3.98	156
401431127	2013	7	12	16	V	2.5	0	4.09	152
401431127	2013	7	12	17	V	2.1	0	3.97	146
401431127	2013	7	12	18	V	5.8	0.1	5	134
401431127	2013	7	12	19	V	1.5	0.1	4.75	129
401431127	2013	7	12	20	V	1.9	0	3.15	138
401431127	2013	7	12	21	V	1.4	0	2.18	142
401431127	2013	7	12	22	V	1.0	0	2.08	151
401431127	2013	7	12	23	V	0.8	0	1.33	175
401431127	2013	7	12	24	V	3.1	0	1.64	198
401431127	2013	7	13	1	V	5.5	0	2.3	173
401431127	2013	7	13	2	V	2.6	0	2.03	159
401431127	2013	7	13	3	V	4.3	0	2.06	151
401431127	2013	7	13	4	V	0.7	0	2.16	163
401431127	2013	7	13	5	V	0.6	0	2.5	171
401431127	2013	7	13	6	V	8.3	0	2.5	167
401431127	2013	7	13	7	V	0.8	0	3.46	167
401431127	2013	7	13	8	V	1.2	0.1	3.9	176
401431127	2013	7	13	9	V	1.4	0.1	4.56	172
401431127	2013	7	13	10	V	1.0	0	4.27	180
401431127	2013	7	13	11	V	1.6	0	3.86	175
401431127	2013	7	13	12	V	2.2	0	3.63	153

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	13	13	V	2.4	0.1	3.64	159
401431127	2013	7	13	14	V	3.1	0.1	3.42	163
401431127	2013	7	13	15	V	2.0	0.1	3.66	123
401431127	2013	7	13	16	V	2.5	0.1	3.2	134
401431127	2013	7	13	17	V	2.2	0.2	3.57	128
401431127	2013	7	13	18	V	5.8	0.2	3.69	121
401431127	2013	7	13	19	V	1.5	0.1	4.07	124
401431127	2013	7	13	20	V	1.9	0.1	3.64	137
401431127	2013	7	13	21	V	1.4	0.1	4.19	151
401431127	2013	7	13	22	V	1.0	0.1	4.78	147
401431127	2013	7	13	23	V	0.7	0.2	3.69	152
401431127	2013	7	13	24	V	2.2	0.1	2.11	155
401431127	2013	7	14	1	V	5.6	0.1	1.57	228
401431127	2013	7	14	2	V	2.8	0.1	0.75	322
401431127	2013	7	14	3	V	4.4	0.1	1.31	169
401431127	2013	7	14	4	V	0.7	0.1	1.76	252
401431127	2013	7	14	5	V	1.4	0	2.11	198
401431127	2013	7	14	6	V	8.3	0.1	2.21	133
401431127	2013	7	14	7	V	1.2	0.1	0.75	300
401431127	2013	7	14	8	V	1.7	0.1	0.94	238
401431127	2013	7	14	9	V	1.7	0.2	1.91	232
401431127	2013	7	14	10	V	1.1	0.4	4	193
401431127	2013	7	14	11	V	1.6	0.3	4.05	170
401431127	2013	7	14	12	V	2.2	0.3	3.75	142
401431127	2013	7	14	13	V	2.4	0.3	4.71	161
401431127	2013	7	14	14	V	3.0	0.3	4.53	169
401431127	2013	7	14	15	V	2.0	-999	3.3	174
401431127	2013	7	14	16	V	3.0	0.3	2.15	210
401431127	2013	7	14	17	V	2.2	0.3	1.99	349
401431127	2013	7	14	18	V	5.8	0.2	3.24	2
401431127	2013	7	14	19	V	1.5	0.2	1.74	262
401431127	2013	7	14	20	V	1.9	0.2	1.13	252
401431127	2013	7	14	21	V	1.4	0.3	1.64	244
401431127	2013	7	14	22	V	1.0	0.3	2.37	244
401431127	2013	7	14	23	V	0.7	0.1	1.52	254
401431127	2013	7	14	24	V	2.3	0.1	1.3	354
401431127	2013	7	15	1	V	5.5	0	1.81	272
401431127	2013	7	15	2	V	2.6	0	1.91	248
401431127	2013	7	15	3	V	4.3	0	2.56	260
401431127	2013	7	15	4	V	0.7	0	1.86	310
401431127	2013	7	15	5	V	0.6	0	2.42	279
401431127	2013	7	15	6	V	8.4	0	1.16	306
401431127	2013	7	15	7	V	0.9	0	1.67	10
401431127	2013	7	15	8	V	1.9	0	3.12	32
401431127	2013	7	15	9	V	1.7	0.4	2.95	30
401431127	2013	7	15	10	V	4.2	0.1	3.2	53

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	15	11	V	1.5	0.1	5.12	99
401431127	2013	7	15	12	V	2.2	0.1	6.58	136
401431127	2013	7	15	13	V	2.4	0	5.77	160
401431127	2013	7	15	14	V	3.0	0	5.02	168
401431127	2013	7	15	15	V	2.0	0	4.99	180
401431127	2013	7	15	16	V	2.5	0	3.54	190
401431127	2013	7	15	17	V	2.4	0	2.23	194
401431127	2013	7	15	18	V	6.0	0	1.77	228
401431127	2013	7	15	19	V	1.6	0.2	1.23	254
401431127	2013	7	15	20	V	2.0	0.1	0.52	325
401431127	2013	7	15	21	V	1.5	0.2	0.79	327
401431127	2013	7	15	22	V	1.1	0.1	0.55	252
401431127	2013	7	15	23	V	0.9	0.1	0.55	5
401431127	2013	7	15	24	V	8.4	0	1.11	50
401431127	2013	7	16	1	V	5.6	0	1.04	26
401431127	2013	7	16	2	V	2.7	0	1.23	9
401431127	2013	7	16	3	V	4.4	0	1.47	131
401431127	2013	7	16	4	V	0.7	0	2.03	103
401431127	2013	7	16	5	V	0.7	0	1.26	73
401431127	2013	7	16	6	C	-999	0	0	0
401431127	2013	7	16	7	V	1.0	0.1	1.5	94
401431127	2013	7	16	8	V	1.3	0.1	2.16	101
401431127	2013	7	16	9	V	1.4	0	2.59	128
401431127	2013	7	16	10	V	1.0	0	3.03	151
401431127	2013	7	16	11	V	1.6	0	3.49	142
401431127	2013	7	16	12	V	2.2	0	3.34	129
401431127	2013	7	16	13	V	2.4	0	4.95	106
401431127	2013	7	16	14	V	3.1	0	3.59	117
401431127	2013	7	16	15	V	2.0	0.1	3.86	108
401431127	2013	7	16	16	V	2.5	0.1	4	113
401431127	2013	7	16	17	V	2.1	0.1	4.75	117
401431127	2013	7	16	18	V	5.8	0	3.58	107
401431127	2013	7	16	19	V	1.5	0	3.59	101
401431127	2013	7	16	20	V	1.9	0	2.23	97
401431127	2013	7	16	21	V	1.4	0	1.18	74
401431127	2013	7	16	22	V	9.7	0	1.3	48
401431127	2013	7	16	23	V	0.8	0	0.77	10
401431127	2013	7	16	24	V	2.3	0	1.18	33
401431127	2013	7	17	1	V	5.8	0	0.74	33
401431127	2013	7	17	2	V	4.4	0	0.74	42
401431127	2013	7	17	3	V	4.5	0	0.63	74
401431127	2013	7	17	4	C	-999	0	0	0
401431127	2013	7	17	5	V	1.0	0.1	0.57	37
401431127	2013	7	17	6	V	8.4	0.2	1.03	132
401431127	2013	7	17	7	V	1.1	0.2	1.2	143
401431127	2013	7	17	8	V	1.3	0.2	2.3	135

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	17	9	V	1.4	0	2.62	163
401431127	2013	7	17	10	V	1.0	0	3.25	170
401431127	2013	7	17	11	V	1.6	0	2.69	154
401431127	2013	7	17	12	V	2.3	-999	2.88	126
401431127	2013	7	17	13	V	2.4	0	3.22	133
401431127	2013	7	17	14	V	3.1	0	3.64	111
401431127	2013	7	17	15	V	2.0	0	4.03	109
401431127	2013	7	17	16	V	2.5	0.1	3.97	120
401431127	2013	7	17	17	V	2.1	0.1	4.05	127
401431127	2013	7	17	18	V	5.8	0.2	3.78	151
401431127	2013	7	17	19	V	1.5	0.2	3.01	166
401431127	2013	7	17	20	V	1.9	0.1	2.03	178
401431127	2013	7	17	21	V	1.4	0.1	1.18	244
401431127	2013	7	17	22	V	1.1	0.1	0.96	269
401431127	2013	7	17	23	C	-999	0.1	0	0
401431127	2013	7	17	24	C	-999	0.1	0	0
401431127	2013	7	18	1	V	5.7	0.1	0.52	267
401431127	2013	7	18	2	C	-999	0.1	0	0
401431127	2013	7	18	3	C	-999	0.1	0	0
401431127	2013	7	18	4	V	0.9	0.1	0.6	269
401431127	2013	7	18	5	C	-999	0.2	0	0
401431127	2013	7	18	6	V	8.5	0.3	0.55	239
401431127	2013	7	18	7	V	1.5	0.3	0.63	240
401431127	2013	7	18	8	V	2.6	0.2	0.77	212
401431127	2013	7	18	9	V	2.1	0.2	1.74	194
401431127	2013	7	18	10	V	1.8	0.1	1.84	211
401431127	2013	7	18	11	V	2.0	0.1	2.13	222
401431127	2013	7	18	12	V	2.5	0.1	2.59	194
401431127	2013	7	18	13	V	2.7	-999	2.74	215
401431127	2013	7	18	14	V	3.3	-999	3	201
401431127	2013	7	18	15	V	2.3	-999	2.98	216
401431127	2013	7	18	16	V	2.6	0.6	3	228
401431127	2013	7	18	17	V	2.2	0.4	2.42	250
401431127	2013	7	18	18	V	5.8	0.2	1.91	274
401431127	2013	7	18	19	V	1.5	0.1	1.4	267
401431127	2013	7	18	20	V	2.0	0.1	0.74	257
401431127	2013	7	18	21	V	1.5	0.1	0.75	232
401431127	2013	7	18	22	V	1.2	0.4	0.62	230
401431127	2013	7	18	23	V	0.9	0.3	0.55	243
401431127	2013	7	18	24	C	-999	0.3	0	0
401431127	2013	7	19	1	V	5.6	0.3	0.97	249
401431127	2013	7	19	2	V	4.8	0.2	0.65	217
401431127	2013	7	19	3	V	4.5	0.1	0.57	81
401431127	2013	7	19	4	V	0.9	0.1	0.62	247
401431127	2013	7	19	5	V	0.9	0.1	1.4	194
401431127	2013	7	19	6	V	14.1	0.1	1.04	207

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	19	7	V	1.2	0.1	1.55	187
401431127	2013	7	19	8	V	2.9	0.1	2.22	198
401431127	2013	7	19	9	V	2.0	0	2.16	224
401431127	2013	7	19	10	V	1.1	0.1	2.42	233
401431127	2013	7	19	11	V	1.6	0.1	2.37	238
401431127	2013	7	19	12	V	2.5	0.2	2.25	217
401431127	2013	7	19	13	V	2.5	0.2	2.61	229
401431127	2013	7	19	14	V	3.1	0.2	2.69	232
401431127	2013	7	19	15	V	2.1	0.2	3.12	231
401431127	2013	7	19	16	V	2.6	0.2	3.29	222
401431127	2013	7	19	17	V	2.2	0.2	2.57	246
401431127	2013	7	19	18	V	5.9	0.1	2.54	223
401431127	2013	7	19	19	V	1.6	0.1	2.57	227
401431127	2013	7	19	20	V	2.0	0.1	1.52	225
401431127	2013	7	19	21	V	7.3	0.1	3.77	209
401431127	2013	7	19	22	V	1.0	0.1	2.86	176
401431127	2013	7	19	23	V	6.2	0	2.36	204
401431127	2013	7	19	24	V	3.6	0	1.53	218
401431127	2013	7	20	1	V	12.3	0	1.52	205
401431127	2013	7	20	2	V	4.0	0.1	1.67	199
401431127	2013	7	20	3	V	8.0	0.1	1.77	202
401431127	2013	7	20	4	V	4.7	0.1	1.72	215
401431127	2013	7	20	5	V	0.8	0.1	0.79	229
401431127	2013	7	20	6	V	8.4	0.1	1.65	182
401431127	2013	7	20	7	V	1.1	0.1	2.27	189
401431127	2013	7	20	8	V	1.8	0.1	2.18	191
401431127	2013	7	20	9	V	2.5	0.1	2.64	214
401431127	2013	7	20	10	V	1.5	0.1	1.76	189
401431127	2013	7	20	11	V	1.6	0.1	2.67	158
401431127	2013	7	20	12	V	2.3	0.1	3	153
401431127	2013	7	20	13	V	2.4	0.1	3.8	159
401431127	2013	7	20	14	V	3.0	0.1	4.24	172
401431127	2013	7	20	15	V	2.0	0.2	4.31	172
401431127	2013	7	20	16	V	2.5	0.1	4.51	180
401431127	2013	7	20	17	V	2.2	0.1	5.21	189
401431127	2013	7	20	18	V	5.8	0.2	5.02	190
401431127	2013	7	20	19	V	2.1	0.3	4.05	209
401431127	2013	7	20	20	V	5.7	0.2	2.05	202
401431127	2013	7	20	21	V	4.1	0.1	1.93	201
401431127	2013	7	20	22	V	1.0	0.1	2.54	183
401431127	2013	7	20	23	V	0.7	0.1	2.16	177
401431127	2013	7	20	24	V	3.1	0	4.39	55
401431127	2013	7	21	1	V	7.3	0	4.54	53
401431127	2013	7	21	2	V	2.6	0	3.25	66
401431127	2013	7	21	3	V	8.2	0	3.07	44
401431127	2013	7	21	4	V	0.7	0	3.71	9

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	21	5	V	0.6	0	4.29	29
401431127	2013	7	21	6	V	9.4	0	2.98	41
401431127	2013	7	21	7	V	2.5	0	2.38	58
401431127	2013	7	21	8	V	1.3	0	2.95	118
401431127	2013	7	21	9	V	1.5	0	1.89	11
401431127	2013	7	21	10	V	1.0	0	3.52	121
401431127	2013	7	21	11	V	1.6	0	2.4	122
401431127	2013	7	21	12	V	2.8	0.1	2.13	67
401431127	2013	7	21	13	V	2.5	0	2.81	112
401431127	2013	7	21	14	V	3.1	0	3.59	156
401431127	2013	7	21	15	V	2.0	0	4.85	177
401431127	2013	7	21	16	V	2.5	0	4.49	185
401431127	2013	7	21	17	V	2.3	0	4.05	193
401431127	2013	7	21	18	V	6.0	0	3.81	198
401431127	2013	7	21	19	V	1.5	0	3.36	168
401431127	2013	7	21	20	V	1.9	0.1	1.79	169
401431127	2013	7	21	21	V	1.4	0.1	1.82	177
401431127	2013	7	21	22	V	1.0	0.5	1.64	186
401431127	2013	7	21	23	V	0.8	0.1	3	190
401431127	2013	7	21	24	V	2.3	0	2.32	191
401431127	2013	7	22	1	V	5.6	0	2.54	186
401431127	2013	7	22	2	V	2.8	0	2.84	191
401431127	2013	7	22	3	V	5.1	0	2.61	198
401431127	2013	7	22	4	V	2.9	0	1.42	200
401431127	2013	7	22	5	V	9.2	0	1.62	207
401431127	2013	7	22	6	V	13.9	0	3.1	205
401431127	2013	7	22	7	V	1.9	0	3.68	203
401431127	2013	7	22	8	V	1.6	0	4.63	213
401431127	2013	7	22	9	V	1.6	0	4.48	218
401431127	2013	7	22	10	V	1.1	0	3.32	226
401431127	2013	7	22	11	V	1.7	0.1	3.56	226
401431127	2013	7	22	12	V	3.1	0.1	3.39	209
401431127	2013	7	22	13	V	2.4	0	2.71	240
401431127	2013	7	22	14	V	3.0	0.1	4.56	82
401431127	2013	7	22	15	V	2.0	0.1	4.08	139
401431127	2013	7	22	16	V	2.5	0.1	5.24	125
401431127	2013	7	22	17	V	2.1	0.1	4.51	138
401431127	2013	7	22	18	V	5.8	0.1	3.76	163
401431127	2013	7	22	19	V	1.8	0.1	1.59	221
401431127	2013	7	22	20	V	1.9	0.1	1.86	226
401431127	2013	7	22	21	V	2.6	0.1	4.92	197
401431127	2013	7	22	22	V	7.2	0	3.35	207
401431127	2013	7	22	23	V	10.0	0	1.89	209
401431127	2013	7	22	24	V	2.2	0	2.4	182
401431127	2013	7	23	1	V	5.5	0	2.59	180
401431127	2013	7	23	2	V	2.8	0	1.77	193

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	23	3	V	4.6	0	1.52	195
401431127	2013	7	23	4	V	1.0	0	1.6	195
401431127	2013	7	23	5	V	1.2	0	1.35	196
401431127	2013	7	23	6	V	11.4	0.1	0.84	202
401431127	2013	7	23	7	V	2.2	0.1	1.47	195
401431127	2013	7	23	8	V	2.2	0.1	3.27	210
401431127	2013	7	23	9	V	1.4	0	3.22	229
401431127	2013	7	23	10	V	1.3	0.1	3.2	221
401431127	2013	7	23	11	V	1.6	0.1	2.9	236
401431127	2013	7	23	12	V	2.2	0.2	2.69	249
401431127	2013	7	23	13	V	2.8	0.2	2.83	213
401431127	2013	7	23	14	V	3.1	0.2	2.08	242
401431127	2013	7	23	15	V	2.2	0.2	2.45	226
401431127	2013	7	23	16	V	2.6	0.2	3.17	226
401431127	2013	7	23	17	V	2.2	0.2	3.61	226
401431127	2013	7	23	18	V	5.9	0.2	4.03	223
401431127	2013	7	23	19	V	1.8	0.2	3.37	217
401431127	2013	7	23	20	V	2.0	0.2	1.94	224
401431127	2013	7	23	21	V	1.7	0.1	1.81	221
401431127	2013	7	23	22	V	1.0	0.1	1.06	239
401431127	2013	7	23	23	V	0.7	-999	4.31	288
401431127	2013	7	23	24	V	2.2	0	5.84	359
401431127	2013	7	24	1	V	5.5	0	2.96	352
401431127	2013	7	24	2	V	2.6	0	2.59	146
401431127	2013	7	24	3	V	4.6	0	2.78	193
401431127	2013	7	24	4	V	0.7	0	3.4	180
401431127	2013	7	24	5	V	5.3	0.1	3.22	204
401431127	2013	7	24	6	V	13.2	0	2.61	213
401431127	2013	7	24	7	V	1.0	0	1.57	240
401431127	2013	7	24	8	V	1.7	0	0.92	300
401431127	2013	7	24	9	V	1.4	0	2.2	347
401431127	2013	7	24	10	V	1.0	0	2.73	345
401431127	2013	7	24	11	V	1.6	0	2.89	360
401431127	2013	7	24	12	V	2.5	0	2.73	28
401431127	2013	7	24	13	V	2.5	0.1	2.42	9
401431127	2013	7	24	14	V	3.2	0	2.61	26
401431127	2013	7	24	15	V	3.6	0	2.1	41
401431127	2013	7	24	16	V	3.7	0	2.67	37
401431127	2013	7	24	17	V	4.6	0	3.44	48
401431127	2013	7	24	18	V	8.4	0.1	3.49	48
401431127	2013	7	24	19	V	1.5	0.1	3	74
401431127	2013	7	24	20	V	1.9	0.1	2.25	92
401431127	2013	7	24	21	V	1.5	0.1	0.86	245
401431127	2013	7	24	22	V	1.1	0.2	0.58	269
401431127	2013	7	24	23	V	0.9	0.2	0.58	346
401431127	2013	7	24	24	V	2.4	0.2	0.6	263

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	25	1	V	5.7	0.1	0.65	305
401431127	2013	7	25	2	V	2.8	0.1	0.58	301
401431127	2013	7	25	3	V	4.4	0.1	0.89	233
401431127	2013	7	25	4	V	0.9	0.1	0.69	279
401431127	2013	7	25	5	V	0.8	0.3	0.58	303
401431127	2013	7	25	6	V	8.4	0.2	1.48	3
401431127	2013	7	25	7	V	1.1	0.4	1.47	22
401431127	2013	7	25	8	V	1.5	0.1	1.28	147
401431127	2013	7	25	9	V	1.6	0.1	1.38	252
401431127	2013	7	25	10	V	1.4	0.1	0.87	97
401431127	2013	7	25	11	V	2.3	0.2	1.79	199
401431127	2013	7	25	12	V	2.7	0.1	1.21	194
401431127	2013	7	25	13	V	2.5	0.1	1.98	132
401431127	2013	7	25	14	V	3.1	0.1	2.9	147
401431127	2013	7	25	15	V	2.0	0.1	3.22	135
401431127	2013	7	25	16	V	2.5	0.1	2.33	118
401431127	2013	7	25	17	V	2.2	0.1	3.25	121
401431127	2013	7	25	18	V	5.8	0.1	3	120
401431127	2013	7	25	19	V	1.5	0.1	2.96	107
401431127	2013	7	25	20	V	1.9	0.1	2.42	113
401431127	2013	7	25	21	V	1.4	0.1	1.5	146
401431127	2013	7	25	22	V	1.0	0.1	1.62	160
401431127	2013	7	25	23	V	0.7	0.1	1.57	172
401431127	2013	7	25	24	V	9.4	0	1.2	209
401431127	2013	7	26	1	V	5.6	0	1.37	165
401431127	2013	7	26	2	V	2.6	0	2.5	163
401431127	2013	7	26	3	V	4.3	0	3.32	182
401431127	2013	7	26	4	V	0.7	0	2.25	167
401431127	2013	7	26	5	V	0.6	0	3.93	165
401431127	2013	7	26	6	V	8.3	0	3.61	121
401431127	2013	7	26	7	V	0.8	0	4.02	172
401431127	2013	7	26	8	V	3.4	0	2.21	212
401431127	2013	7	26	9	V	1.6	0	0.8	286
401431127	2013	7	26	10	V	1.1	0	1.86	154
401431127	2013	7	26	11	V	1.6	0	2.5	170
401431127	2013	7	26	12	V	2.3	0	3.17	174
401431127	2013	7	26	13	V	3.1	0	2.62	204
401431127	2013	7	26	14	V	3.1	0.1	2.37	341
401431127	2013	7	26	15	V	2.0	0	2.83	357
401431127	2013	7	26	16	V	2.5	0	3.47	24
401431127	2013	7	26	17	V	2.3	0	3.57	34
401431127	2013	7	26	18	V	7.4	0	4.26	42
401431127	2013	7	26	19	V	1.5	0	3.73	86
401431127	2013	7	26	20	V	1.9	0	3.25	76
401431127	2013	7	26	21	V	1.4	0	1.11	67
401431127	2013	7	26	22	V	5.6	0	0.91	205

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	26	23	V	0.8	0.1	0.77	272
401431127	2013	7	26	24	V	2.3	0.1	0.97	269
401431127	2013	7	27	1	V	5.7	0.2	0.72	267
401431127	2013	7	27	2	V	2.7	0.2	0.89	232
401431127	2013	7	27	3	C	-999	0.3	0	0
401431127	2013	7	27	4	V	0.9	0.4	0.53	257
401431127	2013	7	27	5	V	0.7	0.2	0.91	297
401431127	2013	7	27	6	V	8.5	0.1	0.7	238
401431127	2013	7	27	7	V	1.0	0.1	1.26	327
401431127	2013	7	27	8	V	1.3	0.1	2.13	14
401431127	2013	7	27	9	V	2.6	0.1	2.86	34
401431127	2013	7	27	10	V	4.1	0.2	2.5	43
401431127	2013	7	27	11	V	2.2	0.3	2.66	32
401431127	2013	7	27	12	V	3.6	0.4	2.42	56
401431127	2013	7	27	13	V	4.4	0.6	3.07	47
401431127	2013	7	27	14	V	3.2	0.7	3.06	27
401431127	2013	7	27	15	V	3.5	0.6	2.67	42
401431127	2013	7	27	16	V	2.8	0.4	1.99	26
401431127	2013	7	27	17	V	3.2	0.9	2.45	38
401431127	2013	7	27	18	V	5.8	0.7	2.84	22
401431127	2013	7	27	19	V	1.6	0.6	3.01	32
401431127	2013	7	27	20	V	1.9	0.4	2.38	26
401431127	2013	7	27	21	V	1.5	0.5	0.91	358
401431127	2013	7	27	22	V	1.1	0.4	0.63	355
401431127	2013	7	27	23	V	0.8	0.2	1.09	10
401431127	2013	7	27	24	V	9.8	0.2	1.45	45
401431127	2013	7	28	1	V	5.6	0.2	0.87	70
401431127	2013	7	28	2	V	2.7	0.1	1.62	112
401431127	2013	7	28	3	V	4.4	0.1	1.42	19
401431127	2013	7	28	4	V	0.7	0.1	2.64	14
401431127	2013	7	28	5	V	0.6	0.1	2.52	26
401431127	2013	7	28	6	V	8.3	0.1	2.3	31
401431127	2013	7	28	7	V	4.7	0.1	2.49	45
401431127	2013	7	28	8	V	5.3	0.1	3.23	42
401431127	2013	7	28	9	V	1.4	0.1	3.3	71
401431127	2013	7	28	10	V	1.0	0.1	2.96	132
401431127	2013	7	28	11	V	1.6	0.2	2.67	144
401431127	2013	7	28	12	V	2.3	0.4	2.98	138
401431127	2013	7	28	13	V	2.5	0.2	3.22	155
401431127	2013	7	28	14	V	3.1	0.2	2.95	137
401431127	2013	7	28	15	V	2.0	0.1	3.03	117
401431127	2013	7	28	16	V	2.5	0.1	3.76	95
401431127	2013	7	28	17	V	2.1	0.1	4.39	99
401431127	2013	7	28	18	V	5.8	0.1	4.9	90
401431127	2013	7	28	19	V	1.5	0.1	6.01	63
401431127	2013	7	28	20	V	1.9	0.1	5.43	68

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	28	21	V	1.4	0.1	4.2	80
401431127	2013	7	28	22	V	1.0	0.1	2.79	89
401431127	2013	7	28	23	V	0.7	0.1	2.76	91
401431127	2013	7	28	24	V	2.2	0.1	2.27	84
401431127	2013	7	29	1	V	5.5	0.1	2.11	98
401431127	2013	7	29	2	V	2.6	0.1	2.45	124
401431127	2013	7	29	3	V	4.3	0.1	2.37	127
401431127	2013	7	29	4	V	0.7	0	2.06	122
401431127	2013	7	29	5	V	0.6	0.1	2.2	135
401431127	2013	7	29	6	V	8.3	0.1	2.71	142
401431127	2013	7	29	7	V	0.9	0.1	3.12	151
401431127	2013	7	29	8	V	1.2	0	3.66	166
401431127	2013	7	29	9	V	1.4	0.1	4.51	168
401431127	2013	7	29	10	V	0.9	0	5.41	168
401431127	2013	7	29	11	V	1.5	0.1	5.5	167
401431127	2013	7	29	12	V	2.2	0.1	6.31	168
401431127	2013	7	29	13	V	2.4	0	6.18	165
401431127	2013	7	29	14	V	3.0	0	6.43	167
401431127	2013	7	29	15	V	2.0	0	6.92	176
401431127	2013	7	29	16	V	2.5	0.1	6.41	172
401431127	2013	7	29	17	V	2.1	0.1	6.36	171
401431127	2013	7	29	18	V	5.8	0	6.14	169
401431127	2013	7	29	19	V	1.5	0	5.36	168
401431127	2013	7	29	20	V	1.9	0	5.26	171
401431127	2013	7	29	21	V	1.4	0	4.66	166
401431127	2013	7	29	22	V	1.0	0	4.88	170
401431127	2013	7	29	23	V	0.7	0	3.85	176
401431127	2013	7	29	24	V	2.2	0	3.39	274
401431127	2013	7	30	1	V	5.5	0	2.98	237
401431127	2013	7	30	2	V	2.6	0	2.78	153
401431127	2013	7	30	3	V	4.3	0	2.15	175
401431127	2013	7	30	4	V	1.0	0	2.32	223
401431127	2013	7	30	5	V	0.7	0	1.82	167
401431127	2013	7	30	6	V	8.4	0	1.03	162
401431127	2013	7	30	7	V	4.1	0.1	1.06	214
401431127	2013	7	30	8	V	1.9	0.1	0.82	249
401431127	2013	7	30	9	V	1.9	0.1	1.01	154
401431127	2013	7	30	10	V	1.3	0.1	1.96	183
401431127	2013	7	30	11	V	1.7	0	2.1	243
401431127	2013	7	30	12	V	2.3	0	2.44	245
401431127	2013	7	30	13	V	2.5	0	1.87	261
401431127	2013	7	30	14	V	3.3	0	1.26	315
401431127	2013	7	30	15	V	2.2	0	1.42	255
401431127	2013	7	30	16	V	2.7	0	1.31	300
401431127	2013	7	30	17	V	2.2	0.1	1.55	354
401431127	2013	7	30	18	V	5.9	0.1	1.48	359

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	7	30	19	V	1.5	0	2.79	151
401431127	2013	7	30	20	V	1.9	0.1	2.45	164
401431127	2013	7	30	21	V	1.5	0	0.7	240
401431127	2013	7	30	22	V	1.1	0.1	0.86	237
401431127	2013	7	30	23	V	0.8	0.1	1.03	246
401431127	2013	7	30	24	V	2.3	0	0.75	274
401431127	2013	7	31	1	V	5.6	0.1	0.87	305
401431127	2013	7	31	2	V	2.8	0	0.8	339
401431127	2013	7	31	3	V	4.4	0	1.6	357
401431127	2013	7	31	4	V	0.8	0	1.45	17
401431127	2013	7	31	5	V	0.6	0	2.18	9
401431127	2013	7	31	6	V	8.3	0	1.72	8
401431127	2013	7	31	7	V	0.9	0.1	2.56	11
401431127	2013	7	31	8	V	1.3	0	2.95	14
401431127	2013	7	31	9	V	1.5	0	2.37	21
401431127	2013	7	31	10	V	1.1	0	2.08	20
401431127	2013	7	31	11	V	1.6	0	2.45	16
401431127	2013	7	31	12	V	2.2	-999	2.96	16
401431127	2013	7	31	13	V	2.4	-999	3.73	10
401431127	2013	7	31	14	V	3.1	0.1	3.73	7
401431127	2013	7	31	15	V	2.0	0.1	3.59	360
401431127	2013	7	31	16	V	2.5	0.1	3.15	8
401431127	2013	7	31	17	V	2.2	0.1	3.86	27
401431127	2013	7	31	18	V	5.8	0.1	2.88	14
401431127	2013	7	31	19	V	1.5	0.1	2.08	6
401431127	2013	7	31	20	V	1.9	0.1	2.06	7
401431127	2013	7	31	21	V	1.4	0	1.69	4
401431127	2013	7	31	22	V	1.0	0.1	1.59	355
401431127	2013	7	31	23	V	0.7	0	1.6	5
401431127	2013	7	31	24	V	2.3	0	1.11	360
401431127	2013	8	1	1	V	5.6	0	0.99	8
401431127	2013	8	1	2	V	2.7	0	1.42	344
401431127	2013	8	1	3	V	4.3	0	1.91	358
401431127	2013	8	1	4	V	0.7	0.1	2.1	13
401431127	2013	8	1	5	V	0.6	0	1.87	16
401431127	2013	8	1	6	V	8.3	0.1	1.86	22
401431127	2013	8	1	7	V	2.7	0.1	1.59	36
401431127	2013	8	1	8	V	1.7	0.1	2.38	67
401431127	2013	8	1	9	V	1.4	0.1	2.69	84
401431127	2013	8	1	10	V	1.0	0	2.88	86
401431127	2013	8	1	11	V	1.6	0	2.89	82
401431127	2013	8	1	12	V	2.3	0.1	2.83	79
401431127	2013	8	1	13	V	2.5	0.1	2.96	84
401431127	2013	8	1	14	V	3.1	0	2.72	102
401431127	2013	8	1	15	V	2.1	0.1	2.64	96
401431127	2013	8	1	16	V	2.5	0.1	3.08	105

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	1	17	V	2.2	0.3	2.98	136
401431127	2013	8	1	18	V	5.8	0.4	3.18	135
401431127	2013	8	1	19	V	1.5	0.2	2.96	117
401431127	2013	8	1	20	V	1.9	0.2	1.4	108
401431127	2013	8	1	21	V	1.5	0.4	0.62	72
401431127	2013	8	1	22	V	1.0	0.3	1.42	135
401431127	2013	8	1	23	M	-999	0.3	999	999
401431127	2013	8	1	24	V	10.3	0.2	1.59	211
401431127	2013	8	2	1	V	7.1	0.2	1.28	218
401431127	2013	8	2	2	V	2.6	0.1	2.93	180
401431127	2013	8	2	3	V	4.3	0.1	3.39	179
401431127	2013	8	2	4	V	0.9	0	2.74	192
401431127	2013	8	2	5	V	0.6	0.1	2.54	182
401431127	2013	8	2	6	V	8.3	0.1	2.42	169
401431127	2013	8	2	7	V	0.9	0.1	3.15	163
401431127	2013	8	2	8	V	1.2	0.1	4.22	172
401431127	2013	8	2	9	V	1.4	0.1	4.17	178
401431127	2013	8	2	10	V	1.0	0.1	3.75	168
401431127	2013	8	2	11	V	1.8	0.1	3.42	63
401431127	2013	8	2	12	V	2.3	0.1	3.35	94
401431127	2013	8	2	13	V	2.5	0.1	3	143
401431127	2013	8	2	14	V	3.1	0.1	3.8	166
401431127	2013	8	2	15	V	2.0	0.1	4.53	178
401431127	2013	8	2	16	V	2.5	0.1	5.39	187
401431127	2013	8	2	17	V	2.1	0.1	4.97	185
401431127	2013	8	2	18	V	5.8	0.1	4.92	192
401431127	2013	8	2	19	V	1.5	0.1	3.85	180
401431127	2013	8	2	20	V	1.9	0.2	2.61	183
401431127	2013	8	2	21	V	1.4	0.1	2.57	181
401431127	2013	8	2	22	V	1.0	0.1	2.81	182
401431127	2013	8	2	23	V	0.7	0.1	2.81	175
401431127	2013	8	2	24	V	2.2	0.1	4.31	184
401431127	2013	8	3	1	V	5.6	0.1	3.54	186
401431127	2013	8	3	2	V	2.8	0	1.88	192
401431127	2013	8	3	3	V	4.3	0.1	1.7	323
401431127	2013	8	3	4	V	0.8	0	1.33	352
401431127	2013	8	3	5	V	0.6	0.1	2.23	29
401431127	2013	8	3	6	V	8.3	0	2.86	70
401431127	2013	8	3	7	V	1.9	0.1	3.93	55
401431127	2013	8	3	8	V	1.2	0.1	3.76	109
401431127	2013	8	3	9	V	1.4	0	4.7	150
401431127	2013	8	3	10	V	1.0	0.1	5.05	151
401431127	2013	8	3	11	V	1.6	0.1	4.48	162
401431127	2013	8	3	12	V	2.2	0	3.81	148
401431127	2013	8	3	13	V	2.4	0.1	4.02	122
401431127	2013	8	3	14	V	3.1	0.1	3.95	121

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	3	15	V	2.0	0	4.07	122
401431127	2013	8	3	16	V	2.5	0	3.69	107
401431127	2013	8	3	17	V	2.1	0.1	4.29	106
401431127	2013	8	3	18	V	5.8	0.1	3.81	107
401431127	2013	8	3	19	V	1.5	0	2.91	104
401431127	2013	8	3	20	V	1.9	0.2	2.44	125
401431127	2013	8	3	21	V	1.4	0	2.15	121
401431127	2013	8	3	22	V	1.0	0.1	2.15	116
401431127	2013	8	3	23	V	0.8	0	0.96	147
401431127	2013	8	3	24	V	2.4	0.1	0.7	280
401431127	2013	8	4	1	V	5.6	0.1	1.23	158
401431127	2013	8	4	2	V	2.7	0.1	1.23	124
401431127	2013	8	4	3	V	4.4	0.1	1.33	95
401431127	2013	8	4	4	V	0.8	0.1	1.45	93
401431127	2013	8	4	5	V	0.7	0.1	1.37	148
401431127	2013	8	4	6	V	8.5	0.1	0.8	165
401431127	2013	8	4	7	V	0.9	0.1	1.84	149
401431127	2013	8	4	8	V	1.3	0	2.66	168
401431127	2013	8	4	9	V	1.4	0.2	2.93	173
401431127	2013	8	4	10	V	1.1	0	1.7	131
401431127	2013	8	4	11	V	1.7	0.1	2.01	91
401431127	2013	8	4	12	V	2.2	0	3.81	76
401431127	2013	8	4	13	V	2.4	0.1	3.83	87
401431127	2013	8	4	14	V	3.0	0	4.17	89
401431127	2013	8	4	15	V	2.0	0.1	4.26	87
401431127	2013	8	4	16	V	2.5	0	3.85	98
401431127	2013	8	4	17	V	2.1	0	4.32	105
401431127	2013	8	4	18	V	5.8	0	4.6	123
401431127	2013	8	4	19	V	1.5	0	3.92	138
401431127	2013	8	4	20	V	1.9	0.1	4.49	144
401431127	2013	8	4	21	V	1.4	0.1	3.83	146
401431127	2013	8	4	22	V	1.0	0	3.59	142
401431127	2013	8	4	23	V	0.7	0.1	3.18	145
401431127	2013	8	4	24	V	2.2	0.1	3.07	145
401431127	2013	8	5	1	V	5.5	0	3.4	168
401431127	2013	8	5	2	V	2.6	0	2.96	165
401431127	2013	8	5	3	V	4.3	0	2.49	158
401431127	2013	8	5	4	V	0.7	0.1	2.91	171
401431127	2013	8	5	5	V	0.6	0.1	2.78	172
401431127	2013	8	5	6	V	8.4	0.1	1.81	175
401431127	2013	8	5	7	V	1.0	0.1	1.45	159
401431127	2013	8	5	8	V	1.3	0.2	2.37	164
401431127	2013	8	5	9	V	1.4	0.2	3.69	188
401431127	2013	8	5	10	V	1.3	0.1	4.63	199
401431127	2013	8	5	11	V	2.3	0.1	4.87	206
401431127	2013	8	5	12	V	2.5	0.1	5.43	212

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	5	13	V	2.7	0.1	4.61	215
401431127	2013	8	5	14	V	3.3	0.1	4	219
401431127	2013	8	5	15	V	2.1	0.1	3.15	225
401431127	2013	8	5	16	V	2.8	0.1	3.75	208
401431127	2013	8	5	17	V	2.2	0.1	5.31	188
401431127	2013	8	5	18	V	5.9	0.2	4.95	194
401431127	2013	8	5	19	V	1.6	0.1	4.03	192
401431127	2013	8	5	20	V	2.1	0.1	2.4	194
401431127	2013	8	5	21	V	1.4	0.1	3.03	184
401431127	2013	8	5	22	V	3.5	0.1	2.3	201
401431127	2013	8	5	23	V	4.2	0.1	2.2	202
401431127	2013	8	5	24	V	2.4	0.1	2.3	195
401431127	2013	8	6	1	V	11.2	0.1	2.18	204
401431127	2013	8	6	2	V	2.6	0.1	2.08	261
401431127	2013	8	6	3	V	4.4	0.1	1.45	350
401431127	2013	8	6	4	V	0.7	0.1	2.13	13
401431127	2013	8	6	5	V	0.7	0.1	1.16	22
401431127	2013	8	6	6	V	8.5	0.1	0.91	179
401431127	2013	8	6	7	V	1.0	0.1	1.33	278
401431127	2013	8	6	8	V	1.3	0.2	3.47	186
401431127	2013	8	6	9	V	1.5	0.1	4.05	192
401431127	2013	8	6	10	V	1.5	0.1	3.49	198
401431127	2013	8	6	11	V	2.1	0.1	3.46	197
401431127	2013	8	6	12	V	2.6	0.2	3	193
401431127	2013	8	6	13	V	2.8	0.2	3.83	197
401431127	2013	8	6	14	V	3.1	0.2	4.44	191
401431127	2013	8	6	15	V	2.0	0.2	4.95	186
401431127	2013	8	6	16	V	2.5	0.3	5.22	192
401431127	2013	8	6	17	V	2.2	0.3	5.19	187
401431127	2013	8	6	18	V	5.8	0.3	5.1	185
401431127	2013	8	6	19	V	1.7	0.3	3.13	196
401431127	2013	8	6	20	V	2.4	0.2	1.67	195
401431127	2013	8	6	21	V	1.4	0.2	2.5	185
401431127	2013	8	6	22	V	1.0	0.2	2.81	174
401431127	2013	8	6	23	V	0.7	0.1	2.74	170
401431127	2013	8	6	24	V	2.2	0.1	2.56	168
401431127	2013	8	7	1	V	5.6	0.1	1.87	165
401431127	2013	8	7	2	V	2.6	0.1	1.84	257
401431127	2013	8	7	3	V	4.5	0.1	0.77	182
401431127	2013	8	7	4	V	0.9	0.1	0.58	240
401431127	2013	8	7	5	V	3.6	0.2	0.51	209
401431127	2013	8	7	6	V	8.4	0.3	1.04	256
401431127	2013	8	7	7	V	1.5	0.2	1.16	29
401431127	2013	8	7	8	V	1.3	0.3	2.52	134
401431127	2013	8	7	9	V	1.4	0.2	3.4	157
401431127	2013	8	7	10	V	1.0	0.1	2.04	110

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	7	11	V	1.6	0.1	3.18	86
401431127	2013	8	7	12	V	2.2	0.1	3.68	110
401431127	2013	8	7	13	V	2.4	0.1	4.48	106
401431127	2013	8	7	14	V	3.0	0.1	4.83	113
401431127	2013	8	7	15	V	2.0	0.1	4.22	131
401431127	2013	8	7	16	V	2.5	0.1	3.47	152
401431127	2013	8	7	17	V	2.2	0.1	3.25	128
401431127	2013	8	7	18	V	5.8	0.2	2.95	94
401431127	2013	8	7	19	V	3.4	0.1	4.05	49
401431127	2013	8	7	20	V	1.9	0.1	4.82	26
401431127	2013	8	7	21	V	3.9	0.1	5.38	43
401431127	2013	8	7	22	V	5.1	0.1	5.17	47
401431127	2013	8	7	23	V	5.2	0.1	4.37	45
401431127	2013	8	7	24	V	8.6	0.1	3	46
401431127	2013	8	8	1	V	6.4	0.1	1.18	37
401431127	2013	8	8	2	V	4.5	0.1	3.29	199
401431127	2013	8	8	3	V	4.7	0.1	3.34	226
401431127	2013	8	8	4	V	0.7	0.1	2.11	332
401431127	2013	8	8	5	V	0.6	0.1	3.9	360
401431127	2013	8	8	6	V	8.3	0	3.39	19
401431127	2013	8	8	7	V	1.0	0.1	3.22	31
401431127	2013	8	8	8	V	8.1	0.1	3.37	48
401431127	2013	8	8	9	V	1.4	0.1	3.88	95
401431127	2013	8	8	10	V	1.0	0.1	3.95	116
401431127	2013	8	8	11	V	1.6	0.1	3.1	142
401431127	2013	8	8	12	V	2.3	0.1	3.4	151
401431127	2013	8	8	13	C	-999	0.1	0	0
401431127	2013	8	8	14	V	3.2	0	2.13	156
401431127	2013	8	8	15	V	2.1	0.1	2.01	151
401431127	2013	8	8	16	V	2.8	0.1	1.04	172
401431127	2013	8	8	17	V	3.1	0.1	2.21	60
401431127	2013	8	8	18	V	5.8	0.1	3.54	29
401431127	2013	8	8	19	V	2.7	0.1	3.49	53
401431127	2013	8	8	20	V	1.9	0.1	2.64	80
401431127	2013	8	8	21	V	1.4	0.1	2.96	68
401431127	2013	8	8	22	V	1.0	0.1	3.59	77
401431127	2013	8	8	23	V	1.5	0.1	3.78	54
401431127	2013	8	8	24	V	2.2	0.1	3.59	65
401431127	2013	8	9	1	V	5.5	0.1	2.98	76
401431127	2013	8	9	2	V	7.5	0	3.93	208
401431127	2013	8	9	3	V	4.3	0.1	2.89	176
401431127	2013	8	9	4	V	0.7	0.1	2.61	180
401431127	2013	8	9	5	V	3.4	0.1	1.74	201
401431127	2013	8	9	6	V	8.3	0	3.64	183
401431127	2013	8	9	7	V	0.9	0	1.82	174
401431127	2013	8	9	8	V	1.3	0.1	2.84	185

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	9	9	V	2.3	0.1	3	198
401431127	2013	8	9	10	V	1.2	0.1	1.65	237
401431127	2013	8	9	11	V	1.7	0.1	1.99	18
401431127	2013	8	9	12	V	2.3	0	2.71	26
401431127	2013	8	9	13	V	2.5	0.1	2.03	11
401431127	2013	8	9	14	V	3.1	0.1	1.99	16
401431127	2013	8	9	15	V	2.1	0	2.38	13
401431127	2013	8	9	16	V	2.6	0.1	2.28	351
401431127	2013	8	9	17	V	2.2	0.1	3.9	10
401431127	2013	8	9	18	V	5.8	0.1	3.97	20
401431127	2013	8	9	19	V	1.5	0.1	2.89	20
401431127	2013	8	9	20	V	1.9	0	2.13	4
401431127	2013	8	9	21	V	1.4	0.1	3.27	12
401431127	2013	8	9	22	V	1.0	0.1	4	17
401431127	2013	8	9	23	V	0.7	0	3.64	11
401431127	2013	8	9	24	V	2.2	0.1	2.78	4
401431127	2013	8	10	1	V	5.5	0	2.52	1
401431127	2013	8	10	2	V	2.6	0.1	2.54	4
401431127	2013	8	10	3	V	4.3	0	2.55	4
401431127	2013	8	10	4	V	0.7	0.1	2.79	3
401431127	2013	8	10	5	V	0.6	0	2.13	353
401431127	2013	8	10	6	V	8.3	0.1	2.52	5
401431127	2013	8	10	7	V	0.8	0.1	3.07	18
401431127	2013	8	10	8	V	1.2	0.1	3.3	18
401431127	2013	8	10	9	V	1.4	0.1	3.61	27
401431127	2013	8	10	10	V	1.0	0.1	3.78	26
401431127	2013	8	10	11	V	1.5	0.1	4.22	27
401431127	2013	8	10	12	V	2.2	0.1	3.49	20
401431127	2013	8	10	13	V	2.5	0.1	3	8
401431127	2013	8	10	14	V	3.1	0	3.05	8
401431127	2013	8	10	15	V	2.1	0	2.59	21
401431127	2013	8	10	16	V	2.5	0.1	2.91	12
401431127	2013	8	10	17	V	2.2	0.1	3.37	13
401431127	2013	8	10	18	V	5.8	0.1	3.3	14
401431127	2013	8	10	19	V	1.5	0.1	3.22	25
401431127	2013	8	10	20	V	1.9	0.1	3.08	25
401431127	2013	8	10	21	V	1.4	0.1	1.59	14
401431127	2013	8	10	22	V	1.0	0.1	2.05	21
401431127	2013	8	10	23	V	3.1	0.1	2.89	42
401431127	2013	8	10	24	V	2.2	0.1	2.47	35
401431127	2013	8	11	1	V	5.6	0.1	1.76	37
401431127	2013	8	11	2	V	2.7	0.1	1.93	57
401431127	2013	8	11	3	V	4.4	0.1	1.18	6
401431127	2013	8	11	4	V	0.9	0.1	0.72	351
401431127	2013	8	11	5	V	0.6	0.1	1.96	13
401431127	2013	8	11	6	V	8.5	0.1	1.37	58

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	11	7	V	0.9	0.1	1.94	105
401431127	2013	8	11	8	V	1.4	0.1	1.55	101
401431127	2013	8	11	9	V	3.9	0.1	0.96	200
401431127	2013	8	11	10	V	1.2	0.1	1.42	301
401431127	2013	8	11	11	V	1.7	0.1	1.81	306
401431127	2013	8	11	12	V	2.3	0	1.79	331
401431127	2013	8	11	13	V	2.6	0.1	1.39	338
401431127	2013	8	11	14	V	3.2	0	1.76	114
401431127	2013	8	11	15	C	-999	0.1	0	0
401431127	2013	8	11	16	V	2.8	0.1	0.9	337
401431127	2013	8	11	17	V	2.4	0.1	0.99	297
401431127	2013	8	11	18	V	5.9	0.1	1.33	249
401431127	2013	8	11	19	V	1.6	0.1	0.7	242
401431127	2013	8	11	20	V	1.9	0.1	1.47	127
401431127	2013	8	11	21	C	-999	0.2	0	0
401431127	2013	8	11	22	C	-999	0.2	0	0
401431127	2013	8	11	23	V	0.8	0.2	0.82	243
401431127	2013	8	11	24	V	2.3	0.2	0.74	250
401431127	2013	8	12	1	V	8.9	0.3	0.92	215
401431127	2013	8	12	2	V	2.8	0.2	0.79	246
401431127	2013	8	12	3	V	4.4	0.2	0.8	246
401431127	2013	8	12	4	V	0.9	0.2	0.69	310
401431127	2013	8	12	5	V	0.8	0.2	0.72	250
401431127	2013	8	12	6	V	8.5	0.2	0.53	352
401431127	2013	8	12	7	V	1.2	0.2	0.67	94
401431127	2013	8	12	8	V	1.5	0.1	1.28	336
401431127	2013	8	12	9	V	2.6	0.1	1.77	31
401431127	2013	8	12	10	V	2.6	0.1	2.96	37
401431127	2013	8	12	11	V	1.7	0.1	3.63	30
401431127	2013	8	12	12	V	2.2	0.1	4.88	21
401431127	2013	8	12	13	V	6.0	0.1	3.44	50
401431127	2013	8	12	14	V	3.1	0.1	2.95	92
401431127	2013	8	12	15	V	2.1	0.1	2.44	99
401431127	2013	8	12	16	V	2.7	0.1	1.76	179
401431127	2013	8	12	17	V	2.3	0.1	2.15	189
401431127	2013	8	12	18	V	5.9	0.1	1.33	169
401431127	2013	8	12	19	V	1.5	0.1	2.52	139
401431127	2013	8	12	20	V	1.9	0.1	1.55	107
401431127	2013	8	12	21	V	1.5	0.1	0.89	105
401431127	2013	8	12	22	V	1.1	0.1	1.09	93
401431127	2013	8	12	23	V	0.7	0.1	2.52	116
401431127	2013	8	12	24	V	2.2	0.1	2.04	133
401431127	2013	8	13	1	V	5.5	0.1	2.72	250
401431127	2013	8	13	2	C	-999	0.1	0	0
401431127	2013	8	13	3	C	-999	0.1	0	0
401431127	2013	8	13	4	M	-999	0.1	2.36	999

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	13	5	V	0.7	0.1	1.76	129
401431127	2013	8	13	6	C	-999	0.1	0	0
401431127	2013	8	13	7	C	-999	0.1	0	0
401431127	2013	8	13	8	V	1.4	0.1	1.11	172
401431127	2013	8	13	9	V	1.5	0.2	1.65	185
401431127	2013	8	13	10	V	1.2	0.1	0.86	249
401431127	2013	8	13	11	V	2.1	0.1	1.04	60
401431127	2013	8	13	12	V	2.3	0.1	1.5	173
401431127	2013	8	13	13	V	2.6	0.1	1.79	180
401431127	2013	8	13	14	V	3.1	0.1	2.98	286
401431127	2013	8	13	15	V	2.0	0.1	5.89	31
401431127	2013	8	13	16	V	2.5	0.1	5.41	66
401431127	2013	8	13	17	V	2.1	0.1	4.65	75
401431127	2013	8	13	18	V	6.0	0.1	3.76	59
401431127	2013	8	13	19	V	2.6	0.1	2.81	53
401431127	2013	8	13	20	V	1.9	0.1	1.53	34
401431127	2013	8	13	21	V	1.5	0.2	0.57	296
401431127	2013	8	13	22	V	1.1	0.2	0.67	256
401431127	2013	8	13	23	V	0.7	0.2	1.6	326
401431127	2013	8	13	24	V	2.2	0.1	3.37	18
401431127	2013	8	14	1	V	5.5	0.1	2.69	25
401431127	2013	8	14	2	V	2.6	0.1	1.98	11
401431127	2013	8	14	3	V	4.3	0.1	2.03	7
401431127	2013	8	14	4	V	0.7	0.1	2.21	17
401431127	2013	8	14	5	V	0.6	0.1	2.04	22
401431127	2013	8	14	6	V	8.3	0.1	2.73	24
401431127	2013	8	14	7	V	1.2	0.1	2.79	35
401431127	2013	8	14	8	V	2.0	0.3	2.91	62
401431127	2013	8	14	9	V	1.4	0.2	2.32	85
401431127	2013	8	14	10	V	1.0	0.1	2.55	104
401431127	2013	8	14	11	V	1.6	0	2.83	128
401431127	2013	8	14	12	V	2.3	0.1	2.23	116
401431127	2013	8	14	13	V	2.5	0.2	2.5	100
401431127	2013	8	14	14	V	3.1	0.1	2.4	94
401431127	2013	8	14	15	V	2.0	0.2	2.73	84
401431127	2013	8	14	16	V	2.9	0.2	3.18	61
401431127	2013	8	14	17	V	2.2	0.2	4.17	67
401431127	2013	8	14	18	V	5.9	0.2	4.22	60
401431127	2013	8	14	19	V	1.5	0.2	3.59	65
401431127	2013	8	14	20	V	1.9	0.2	2.54	77
401431127	2013	8	14	21	V	1.4	0.2	2.52	71
401431127	2013	8	14	22	V	1.0	0.2	2.08	87
401431127	2013	8	14	23	V	0.7	0.2	2.05	79
401431127	2013	8	14	24	V	2.2	0.2	2.49	98
401431127	2013	8	15	1	V	5.5	0.1	2.42	101
401431127	2013	8	15	2	V	2.7	0.2	1.69	97

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	15	3	V	4.4	0.2	0.89	88
401431127	2013	8	15	4	V	1.6	0.2	0.6	46
401431127	2013	8	15	5	V	0.7	0.2	1.4	103
401431127	2013	8	15	6	V	8.3	0.4	1.84	114
401431127	2013	8	15	7	V	0.8	0.4	2.18	126
401431127	2013	8	15	8	V	1.3	0.2	2.96	150
401431127	2013	8	15	9	V	1.4	0.3	3.59	156
401431127	2013	8	15	10	V	1.0	-999	3.47	169
401431127	2013	8	15	11	V	1.6	-999	3.13	160
401431127	2013	8	15	12	V	2.3	0.1	2.54	153
401431127	2013	8	15	13	V	2.6	0.1	2.1	184
401431127	2013	8	15	14	V	3.1	0.1	2.11	168
401431127	2013	8	15	15	V	2.0	0.1	2.88	141
401431127	2013	8	15	16	V	2.5	0.2	2.11	155
401431127	2013	8	15	17	V	2.1	0.2	3.71	145
401431127	2013	8	15	18	V	5.8	0.2	3.68	153
401431127	2013	8	15	19	V	1.5	0.2	3.3	154
401431127	2013	8	15	20	V	1.9	0.2	2.62	136
401431127	2013	8	15	21	V	1.4	0.2	1.72	170
401431127	2013	8	15	22	V	1.0	0.2	2.04	174
401431127	2013	8	15	23	V	0.7	0.2	3.86	335
401431127	2013	8	15	24	V	2.2	0.2	2.88	170
401431127	2013	8	16	1	V	6.5	0.2	5.02	196
401431127	2013	8	16	2	V	2.6	0.1	2.25	75
401431127	2013	8	16	3	V	4.4	0.1	1.01	344
401431127	2013	8	16	4	V	0.8	0.2	0.89	339
401431127	2013	8	16	5	V	0.8	0.2	0.69	282
401431127	2013	8	16	6	C	-999	0.1	0	0
401431127	2013	8	16	7	V	0.9	0.2	1.13	327
401431127	2013	8	16	8	V	1.3	0.2	3.12	112
401431127	2013	8	16	9	V	1.4	0.2	3.17	145
401431127	2013	8	16	10	V	1.1	0.1	2.01	166
401431127	2013	8	16	11	V	1.7	0.1	1.96	157
401431127	2013	8	16	12	V	3.6	0.1	1.25	214
401431127	2013	8	16	13	V	2.5	0.1	1.99	132
401431127	2013	8	16	14	V	3.1	0.1	1.82	105
401431127	2013	8	16	15	V	2.1	0.1	2.49	143
401431127	2013	8	16	16	V	2.6	0.1	2.13	87
401431127	2013	8	16	17	V	2.2	0.2	2.86	89
401431127	2013	8	16	18	V	5.9	0.2	3.29	63
401431127	2013	8	16	19	V	1.9	0.1	3.29	58
401431127	2013	8	16	20	V	11.3	0.2	1.93	47
401431127	2013	8	16	21	V	11.2	0.2	1.57	48
401431127	2013	8	16	22	V	1.1	0.2	1.6	58
401431127	2013	8	16	23	V	0.7	0.1	2.62	77
401431127	2013	8	16	24	V	2.2	0.1	2.4	79

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	17	1	V	5.5	0.1	2.28	89
401431127	2013	8	17	2	V	2.6	0.1	1.84	102
401431127	2013	8	17	3	V	4.4	0.1	1.3	77
401431127	2013	8	17	4	V	0.8	0.1	0.79	15
401431127	2013	8	17	5	V	0.8	0.1	0.62	335
401431127	2013	8	17	6	V	8.4	0.2	0.8	356
401431127	2013	8	17	7	V	0.8	0.2	1.79	26
401431127	2013	8	17	8	V	3.7	0.2	2.18	41
401431127	2013	8	17	9	V	3.2	0.2	1.81	35
401431127	2013	8	17	10	V	1.8	0.2	2.21	32
401431127	2013	8	17	11	V	1.7	0.5	2.86	26
401431127	2013	8	17	12	V	2.2	1.5	3.18	20
401431127	2013	8	17	13	V	2.6	1	3.74	30
401431127	2013	8	17	14	V	5.3	1.4	3.44	44
401431127	2013	8	17	15	V	2.1	2.5	3.97	66
401431127	2013	8	17	16	V	2.5	1.3	3.83	76
401431127	2013	8	17	17	V	2.2	0.8	3.88	69
401431127	2013	8	17	18	V	7.1	0.6	2.93	55
401431127	2013	8	17	19	V	1.5	0.5	2.42	83
401431127	2013	8	17	20	V	9.5	0.4	1.25	45
401431127	2013	8	17	21	V	1.5	0.5	0.96	21
401431127	2013	8	17	22	V	1.1	0.5	0.99	17
401431127	2013	8	17	23	V	0.8	0.4	0.92	352
401431127	2013	8	17	24	V	2.3	0.3	1.13	357
401431127	2013	8	18	1	V	5.6	0.2	0.84	345
401431127	2013	8	18	2	V	2.8	0.2	0.6	329
401431127	2013	8	18	3	V	4.4	0.3	1.14	7
401431127	2013	8	18	4	V	0.8	0.2	1.14	7
401431127	2013	8	18	5	V	0.8	0.2	0.55	283
401431127	2013	8	18	6	C	-999	0.2	0	0
401431127	2013	8	18	7	V	1.0	0.2	0.69	348
401431127	2013	8	18	8	V	1.7	0.2	0.82	77
401431127	2013	8	18	9	V	1.5	0.2	1.84	137
401431127	2013	8	18	10	V	1.2	0.1	1.48	160
401431127	2013	8	18	11	V	1.6	0.1	2.44	138
401431127	2013	8	18	12	V	2.3	0.2	2.28	152
401431127	2013	8	18	13	V	2.5	0.1	2.47	153
401431127	2013	8	18	14	V	3.1	0.2	2.79	159
401431127	2013	8	18	15	V	2.0	0.1	2.93	151
401431127	2013	8	18	16	V	2.5	0.2	3.05	157
401431127	2013	8	18	17	V	2.2	0.2	2.95	156
401431127	2013	8	18	18	V	5.8	0.2	2.98	183
401431127	2013	8	18	19	V	1.5	0.2	2.32	175
401431127	2013	8	18	20	V	2.0	0.2	0.57	268
401431127	2013	8	18	21	C	-999	0.4	0	0
401431127	2013	8	18	22	V	1.1	0.4	0.65	283

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	18	23	V	0.9	0.2	0.55	285
401431127	2013	8	18	24	V	2.3	0.2	0.62	279
401431127	2013	8	19	1	C	-999	0.2	0	0
401431127	2013	8	19	2	V	2.7	0.3	0.84	257
401431127	2013	8	19	3	V	4.5	0.2	0.52	245
401431127	2013	8	19	4	V	0.9	0.2	0.58	265
401431127	2013	8	19	5	V	0.8	0.3	0.58	245
401431127	2013	8	19	6	V	8.4	0.5	0.86	255
401431127	2013	8	19	7	V	1.3	0.5	0.75	240
401431127	2013	8	19	8	V	1.3	0.5	2.52	166
401431127	2013	8	19	9	V	1.4	0.2	3.17	169
401431127	2013	8	19	10	V	1.0	0.2	3.56	164
401431127	2013	8	19	11	V	1.6	0.2	4.49	166
401431127	2013	8	19	12	V	2.2	0.1	4.31	165
401431127	2013	8	19	13	V	2.4	0.1	3.8	172
401431127	2013	8	19	14	V	3.1	0.1	3.4	171
401431127	2013	8	19	15	V	2.0	0.1	3.13	172
401431127	2013	8	19	16	V	2.5	0.2	3.05	160
401431127	2013	8	19	17	V	2.2	0.1	2.86	167
401431127	2013	8	19	18	V	5.8	0.2	2.66	176
401431127	2013	8	19	19	V	1.6	0.2	2.16	183
401431127	2013	8	19	20	V	2.0	0.2	1.28	190
401431127	2013	8	19	21	V	1.5	0.2	0.58	256
401431127	2013	8	19	22	V	1.1	0.5	0.89	109
401431127	2013	8	19	23	C	-999	0.4	0	0
401431127	2013	8	19	24	V	2.3	0.4	0.72	306
401431127	2013	8	20	1	V	5.6	0.3	0.84	245
401431127	2013	8	20	2	V	2.8	0.3	0.69	281
401431127	2013	8	20	3	V	4.5	0.3	0.52	280
401431127	2013	8	20	4	V	0.9	0.3	0.57	259
401431127	2013	8	20	5	V	0.8	0.4	0.67	233
401431127	2013	8	20	6	V	8.4	0.4	0.94	248
401431127	2013	8	20	7	V	2.8	0.7	1.25	216
401431127	2013	8	20	8	V	1.3	0.7	2.37	177
401431127	2013	8	20	9	V	1.4	0.2	3.22	177
401431127	2013	8	20	10	V	1.0	0.1	3.47	167
401431127	2013	8	20	11	V	1.6	0.1	3.46	174
401431127	2013	8	20	12	V	2.3	0.1	3.17	176
401431127	2013	8	20	13	V	2.4	0.2	3.25	156
401431127	2013	8	20	14	V	3.1	0.2	2.91	171
401431127	2013	8	20	15	V	2.0	0.3	3.05	160
401431127	2013	8	20	16	V	2.5	0.4	3.42	165
401431127	2013	8	20	17	V	2.1	0.3	3.54	152
401431127	2013	8	20	18	V	5.8	0.3	3.59	154
401431127	2013	8	20	19	V	1.5	0.2	2.54	157
401431127	2013	8	20	20	V	1.9	0.2	2.28	140

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	20	21	V	1.4	0.2	2.35	139
401431127	2013	8	20	22	V	1.0	0.3	1.3	136
401431127	2013	8	20	23	V	0.9	0.4	0.58	181
401431127	2013	8	20	24	V	2.3	0.2	0.72	245
401431127	2013	8	21	1	V	5.7	0.2	0.7	261
401431127	2013	8	21	2	V	2.8	0.2	0.69	276
401431127	2013	8	21	3	C	-999	0.3	0	0
401431127	2013	8	21	4	C	-999	0.2	0	0
401431127	2013	8	21	5	V	1.3	0.3	0.55	225
401431127	2013	8	21	6	V	8.5	0.5	0.57	235
401431127	2013	8	21	7	V	0.9	0.9	1.03	177
401431127	2013	8	21	8	V	1.3	0.4	2.39	181
401431127	2013	8	21	9	V	1.4	0.2	3.37	179
401431127	2013	8	21	10	V	1.0	0.2	3.42	181
401431127	2013	8	21	11	V	1.7	0.2	3.64	189
401431127	2013	8	21	12	V	2.3	0.3	3.34	189
401431127	2013	8	21	13	V	2.8	0.4	3.18	205
401431127	2013	8	21	14	V	3.1	0.4	3.81	189
401431127	2013	8	21	15	V	2.0	0.5	4.15	185
401431127	2013	8	21	16	V	2.6	0.5	3.64	190
401431127	2013	8	21	17	V	2.4	0.5	3.2	199
401431127	2013	8	21	18	V	5.8	0.4	2.69	176
401431127	2013	8	21	19	V	1.5	0.3	1.99	169
401431127	2013	8	21	20	V	1.9	0.2	1.35	156
401431127	2013	8	21	21	V	5.2	0.3	0.77	212
401431127	2013	8	21	22	V	1.1	0.3	0.8	242
401431127	2013	8	21	23	V	0.7	0.2	1.57	181
401431127	2013	8	21	24	V	6.5	0.2	0.79	211
401431127	2013	8	22	1	V	6.0	0.2	0.72	192
401431127	2013	8	22	2	V	4.5	0.2	0.67	199
401431127	2013	8	22	3	V	4.4	0.2	0.74	245
401431127	2013	8	22	4	V	0.8	0.2	0.82	241
401431127	2013	8	22	5	V	5.7	0.2	0.89	211
401431127	2013	8	22	6	V	13.2	0.3	0.94	206
401431127	2013	8	22	7	V	0.9	0.3	1.08	183
401431127	2013	8	22	8	V	1.3	0.3	2.1	178
401431127	2013	8	22	9	V	1.5	0.2	2.57	184
401431127	2013	8	22	10	V	1.0	0.2	3.83	186
401431127	2013	8	22	11	V	1.7	0.2	3.85	193
401431127	2013	8	22	12	V	2.5	0.2	2.73	197
401431127	2013	8	22	13	V	2.6	0.2	2.25	187
401431127	2013	8	22	14	V	3.1	0.3	2.66	174
401431127	2013	8	22	15	V	2.1	0.5	2.93	179
401431127	2013	8	22	16	V	2.5	0.4	3.25	133
401431127	2013	8	22	17	V	2.2	0.4	2.88	132
401431127	2013	8	22	18	V	5.8	0.4	3.03	145

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	22	19	V	1.5	0.3	2.37	127
401431127	2013	8	22	20	V	1.9	0.2	1.31	100
401431127	2013	8	22	21	V	1.4	0.2	1.62	112
401431127	2013	8	22	22	V	1.0	0.2	1.7	135
401431127	2013	8	22	23	V	3.5	0.2	0.99	201
401431127	2013	8	22	24	V	2.3	0.2	1.06	184
401431127	2013	8	23	1	V	5.6	0.3	1.35	176
401431127	2013	8	23	2	V	7.2	0.3	0.84	208
401431127	2013	8	23	3	V	4.4	0.2	0.84	273
401431127	2013	8	23	4	V	8.0	0.3	1.23	209
401431127	2013	8	23	5	V	2.0	0.3	0.97	198
401431127	2013	8	23	6	V	8.8	0.4	0.79	224
401431127	2013	8	23	7	V	1.0	0.5	0.86	158
401431127	2013	8	23	8	V	1.4	0.5	1.59	141
401431127	2013	8	23	9	V	1.4	0.2	2.61	166
401431127	2013	8	23	10	V	1.0	0.2	2.69	158
401431127	2013	8	23	11	V	1.6	0.2	2.52	121
401431127	2013	8	23	12	V	2.4	0.2	1.57	253
401431127	2013	8	23	13	V	2.5	0.2	2.08	177
401431127	2013	8	23	14	V	3.1	0.2	2.59	151
401431127	2013	8	23	15	V	2.2	0.2	1.45	111
401431127	2013	8	23	16	V	2.5	0.1	3.05	135
401431127	2013	8	23	17	V	2.2	0.2	2.95	150
401431127	2013	8	23	18	V	5.8	0.1	4.29	128
401431127	2013	8	23	19	V	1.5	0.2	3.08	133
401431127	2013	8	23	20	V	1.9	0.2	1.79	138
401431127	2013	8	23	21	V	1.4	0.7	1.77	121
401431127	2013	8	23	22	C	-999	0.3	0	0
401431127	2013	8	23	23	V	1.8	0.6	0.84	56
401431127	2013	8	23	24	V	4.9	0.4	0.86	216
401431127	2013	8	24	1	V	5.7	0.4	0.62	255
401431127	2013	8	24	2	C	-999	0.5	0	0
401431127	2013	8	24	3	V	4.5	0.5	0.52	271
401431127	2013	8	24	4	C	-999	0.4	0	0
401431127	2013	8	24	5	C	-999	0.4	0	0
401431127	2013	8	24	6	C	-999	0.5	0	0
401431127	2013	8	24	7	C	-999	0.8	0	0
401431127	2013	8	24	8	V	1.4	0.3	1.82	144
401431127	2013	8	24	9	V	1.4	0.2	2.84	144
401431127	2013	8	24	10	V	1.0	0.1	3.63	153
401431127	2013	8	24	11	V	1.6	0.2	4.14	173
401431127	2013	8	24	12	V	2.2	0.1	3.86	167
401431127	2013	8	24	13	V	2.4	0.2	3.18	163
401431127	2013	8	24	14	V	3.1	0.2	3.32	143
401431127	2013	8	24	15	V	2.0	0.2	3.46	133
401431127	2013	8	24	16	V	2.5	0.2	3.91	124

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	24	17	V	2.1	0.2	4.02	135
401431127	2013	8	24	18	V	5.8	0.2	3.98	135
401431127	2013	8	24	19	V	1.5	0.2	3.07	130
401431127	2013	8	24	20	V	1.9	0.1	2.33	114
401431127	2013	8	24	21	V	1.4	0.2	1.93	137
401431127	2013	8	24	22	V	1.0	0.2	1.37	145
401431127	2013	8	24	23	V	0.8	0.2	0.96	141
401431127	2013	8	24	24	V	2.3	0.2	0.96	138
401431127	2013	8	25	1	V	5.6	0.2	1.23	153
401431127	2013	8	25	2	V	2.8	0.2	0.79	111
401431127	2013	8	25	3	V	4.5	0.2	0.57	246
401431127	2013	8	25	4	V	0.8	0.2	0.94	165
401431127	2013	8	25	5	V	2.5	0.2	0.69	218
401431127	2013	8	25	6	C	-999	0.2	0	0
401431127	2013	8	25	7	V	1.3	0.2	0.62	226
401431127	2013	8	25	8	V	1.3	0.1	2.16	155
401431127	2013	8	25	9	V	1.4	0.2	3.22	168
401431127	2013	8	25	10	V	1.0	0.1	3.34	171
401431127	2013	8	25	11	V	1.6	0.1	2.93	163
401431127	2013	8	25	12	V	2.2	0.2	3.05	170
401431127	2013	8	25	13	V	2.4	0.2	3.12	157
401431127	2013	8	25	14	V	3.1	0.2	3.4	163
401431127	2013	8	25	15	V	2.0	0.2	3.61	167
401431127	2013	8	25	16	V	2.5	0.3	3.98	163
401431127	2013	8	25	17	V	2.2	0.3	3.56	180
401431127	2013	8	25	18	V	5.8	0.3	3.22	176
401431127	2013	8	25	19	V	1.5	0.2	2.5	161
401431127	2013	8	25	20	V	1.9	0.2	1.65	156
401431127	2013	8	25	21	V	1.5	0.2	1.13	138
401431127	2013	8	25	22	V	1.0	0.2	1.81	136
401431127	2013	8	25	23	V	0.7	0.3	1.76	146
401431127	2013	8	25	24	V	2.2	0.2	1.86	156
401431127	2013	8	26	1	V	5.5	0.1	2.5	170
401431127	2013	8	26	2	V	2.6	0.1	2.13	164
401431127	2013	8	26	3	V	4.4	0.2	1.54	149
401431127	2013	8	26	4	V	0.8	0.2	0.96	161
401431127	2013	8	26	5	V	0.7	0.2	1.38	168
401431127	2013	8	26	6	V	8.4	0.2	1.28	175
401431127	2013	8	26	7	V	1.0	0.2	1.45	191
401431127	2013	8	26	8	V	1.3	0.2	2.73	173
401431127	2013	8	26	9	V	1.4	0.2	3.35	185
401431127	2013	8	26	10	V	1.2	0.2	3.9	195
401431127	2013	8	26	11	V	1.7	0.3	4.37	193
401431127	2013	8	26	12	V	2.3	0.4	4.14	190
401431127	2013	8	26	13	V	2.4	0.4	3.76	178
401431127	2013	8	26	14	V	3.1	0.4	3.95	178

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	26	15	V	2.0	0.3	4.05	171
401431127	2013	8	26	16	V	2.5	0.4	4.29	169
401431127	2013	8	26	17	V	2.1	0.4	4.02	168
401431127	2013	8	26	18	V	5.8	0.3	3.75	170
401431127	2013	8	26	19	V	1.5	0.3	2.5	175
401431127	2013	8	26	20	C	-999	0.2	0	0
401431127	2013	8	26	21	C	-999	0.2	0	0
401431127	2013	8	26	22	C	-999	0.3	0	0
401431127	2013	8	26	23	V	4.1	0.3	0.67	205
401431127	2013	8	26	24	V	9.1	0.3	1.08	210
401431127	2013	8	27	1	V	13.2	0.2	1.35	207
401431127	2013	8	27	2	V	6.3	0.2	0.69	211
401431127	2013	8	27	3	C	-999	0.2	0	0
401431127	2013	8	27	4	V	2.9	0.3	0.87	217
401431127	2013	8	27	5	V	2.4	0.3	0.8	218
401431127	2013	8	27	6	V	8.4	0.2	0.89	241
401431127	2013	8	27	7	V	0.9	0.2	1.31	181
401431127	2013	8	27	8	V	1.5	0.2	2.01	187
401431127	2013	8	27	9	V	1.4	0.4	3.25	184
401431127	2013	8	27	10	V	1.0	1.2	4.56	190
401431127	2013	8	27	11	V	1.6	1.2	4.42	178
401431127	2013	8	27	12	V	2.2	0.9	4.88	181
401431127	2013	8	27	13	V	2.4	0.6	4.46	181
401431127	2013	8	27	14	V	3.1	0.5	5.36	185
401431127	2013	8	27	15	V	2.1	0.5	4.56	189
401431127	2013	8	27	16	V	2.5	0.4	4.93	192
401431127	2013	8	27	17	V	2.3	0.3	4.75	195
401431127	2013	8	27	18	V	6.1	0.3	4.05	203
401431127	2013	8	27	19	V	4.3	0.3	2.72	217
401431127	2013	8	27	20	V	6.0	0.3	1.23	215
401431127	2013	8	27	21	V	1.6	0.3	0.92	225
401431127	2013	8	27	22	V	1.1	0.4	0.6	253
401431127	2013	8	27	23	C	-999	0.5	0	0
401431127	2013	8	27	24	V	2.4	0.5	0.65	250
401431127	2013	8	28	1	V	5.7	0.4	0.7	270
401431127	2013	8	28	2	V	2.9	0.3	0.92	224
401431127	2013	8	28	3	V	4.5	0.4	0.77	242
401431127	2013	8	28	4	V	1.8	0.4	0.92	220
401431127	2013	8	28	5	V	3.1	0.4	0.55	214
401431127	2013	8	28	6	V	8.4	0.6	0.92	247
401431127	2013	8	28	7	V	4.6	0.5	1.16	202
401431127	2013	8	28	8	V	4.1	0.4	1.89	202
401431127	2013	8	28	9	V	2.5	0.3	2.4	217
401431127	2013	8	28	10	V	2.9	0.3	3.01	206
401431127	2013	8	28	11	V	1.7	0.4	3.64	192
401431127	2013	8	28	12	V	2.3	0.4	4.65	189

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	28	13	V	2.4	0.4	6.19	187
401431127	2013	8	28	14	V	3.3	0.4	5.09	199
401431127	2013	8	28	15	V	2.3	0.4	4.54	201
401431127	2013	8	28	16	V	2.7	0.4	3.74	219
401431127	2013	8	28	17	V	2.3	0.4	3.44	221
401431127	2013	8	28	18	V	6.1	0.3	2.95	218
401431127	2013	8	28	19	V	8.1	0.3	2.3	206
401431127	2013	8	28	20	V	8.9	0.3	1.2	207
401431127	2013	8	28	21	V	5.1	0.3	1.04	215
401431127	2013	8	28	22	V	1.1	0.4	0.67	239
401431127	2013	8	28	23	V	1.3	0.3	0.57	226
401431127	2013	8	28	24	C	-999	0.4	0	0
401431127	2013	8	29	1	V	5.7	0.3	0.84	227
401431127	2013	8	29	2	V	10.3	0.4	1.35	207
401431127	2013	8	29	3	V	4.4	0.4	2.03	186
401431127	2013	8	29	4	V	0.8	0.3	1.72	175
401431127	2013	8	29	5	V	3.1	0.3	0.75	216
401431127	2013	8	29	6	V	8.6	0.3	0.72	228
401431127	2013	8	29	7	V	1.0	0.3	0.65	237
401431127	2013	8	29	8	V	1.5	0.3	1.91	186
401431127	2013	8	29	9	V	2.1	0.3	2.33	193
401431127	2013	8	29	10	V	1.1	0.3	2.69	181
401431127	2013	8	29	11	V	1.7	-999	2.52	186
401431127	2013	8	29	12	V	2.3	1.3	2.96	232
401431127	2013	8	29	13	V	2.4	1.1	2.84	244
401431127	2013	8	29	14	V	3.2	0.7	3.44	221
401431127	2013	8	29	15	V	2.2	0.7	2.93	217
401431127	2013	8	29	16	V	2.6	0.6	2.52	221
401431127	2013	8	29	17	V	2.4	0.6	2.37	209
401431127	2013	8	29	18	V	6.0	0.5	2.5	198
401431127	2013	8	29	19	V	7.3	0.4	1.48	204
401431127	2013	8	29	20	V	2.1	0.3	0.79	227
401431127	2013	8	29	21	V	1.5	0.4	0.6	253
401431127	2013	8	29	22	C	-999	0.4	0	0
401431127	2013	8	29	23	V	0.9	0.4	0.67	259
401431127	2013	8	29	24	V	2.4	0.5	0.58	237
401431127	2013	8	30	1	V	5.7	0.4	0.57	261
401431127	2013	8	30	2	V	2.8	0.3	0.74	281
401431127	2013	8	30	3	C	-999	0.3	0	0
401431127	2013	8	30	4	V	0.9	0.2	0.74	275
401431127	2013	8	30	5	V	0.8	0.2	0.53	262
401431127	2013	8	30	6	V	8.5	0.2	0.67	286
401431127	2013	8	30	7	V	4.4	0.2	0.94	214
401431127	2013	8	30	8	V	1.9	0.3	2.52	194
401431127	2013	8	30	9	V	2.4	0.3	2.78	198
401431127	2013	8	30	10	V	1.1	1.4	3.49	187

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	8	30	11	V	2.1	1.9	4.02	212
401431127	2013	8	30	12	V	2.6	1.5	3.52	218
401431127	2013	8	30	13	V	2.6	1.1	3.18	223
401431127	2013	8	30	14	V	3.4	0.8	3.93	209
401431127	2013	8	30	15	V	2.1	0.7	3.2	224
401431127	2013	8	30	16	V	2.8	0.7	3.58	208
401431127	2013	8	30	17	V	2.5	0.8	3.51	204
401431127	2013	8	30	18	V	5.8	0.9	4.03	190
401431127	2013	8	30	19	V	1.5	1	2.62	182
401431127	2013	8	30	20	V	5.0	0.5	1.4	201
401431127	2013	8	30	21	V	8.9	0.4	1.28	211
401431127	2013	8	30	22	V	1.2	0.4	1.3	193
401431127	2013	8	30	23	V	0.8	0.3	1.14	164
401431127	2013	8	30	24	V	2.3	0.2	0.72	104
401431127	2013	8	31	1	C	-999	0.3	0	0
401431127	2013	8	31	2	V	2.9	0.3	0.7	229
401431127	2013	8	31	3	V	4.5	0.3	0.62	252
401431127	2013	8	31	4	V	2.2	0.3	0.63	220
401431127	2013	8	31	5	V	2.9	0.3	0.86	217
401431127	2013	8	31	6	C	-999	0.3	0	0
401431127	2013	8	31	7	V	0.9	0.3	1.01	160
401431127	2013	8	31	8	V	1.3	0.3	2.67	186
401431127	2013	8	31	9	V	1.5	0.4	3.42	190
401431127	2013	8	31	10	V	1.1	0.6	3.49	188
401431127	2013	8	31	11	V	2.3	1.2	3.15	215
401431127	2013	8	31	12	V	2.9	1.3	2.59	219
401431127	2013	8	31	13	V	3.0	1.2	2.54	215
401431127	2013	8	31	14	V	3.2	1.5	3.44	193
401431127	2013	8	31	15	V	2.0	1.7	4.58	187
401431127	2013	8	31	16	V	2.5	1.4	4.27	184
401431127	2013	8	31	17	V	2.2	1.7	3.78	190
401431127	2013	8	31	18	V	5.9	2.1	3.34	193
401431127	2013	8	31	19	V	1.7	1.1	2.04	191
401431127	2013	8	31	20	V	5.0	0.6	1.18	201
401431127	2013	8	31	21	V	8.9	0.4	1.3	207
401431127	2013	8	31	22	V	1.0	0.3	1.94	179
401431127	2013	8	31	23	V	3.2	0.3	0.53	213
401431127	2013	8	31	24	V	2.3	0.3	0.8	237
401431127	2013	9	1	1	V	4.3	0.3	0.94	216
401431127	2013	9	1	2	V	3.8	0.4	0.55	216
401431127	2013	9	1	3	V	6.4	0.7	1.04	205
401431127	2013	9	1	4	V	1.7	0.7	1.06	190
401431127	2013	9	1	5	V	1.8	0.5	1.37	186
401431127	2013	9	1	6	V	4.5	0.8	0.77	202
401431127	2013	9	1	7	V	1.6	0.9	0.91	101
401431127	2013	9	1	8	V	3.3	0.9	0.94	248

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	1	9	V	2.1	0.5	1.91	229
401431127	2013	9	1	10	V	1.7	0.4	1.67	277
401431127	2013	9	1	11	V	2.7	0.3	3.05	332
401431127	2013	9	1	12	V	2.7	0.3	4.05	357
401431127	2013	9	1	13	V	5.2	0.3	4.19	12
401431127	2013	9	1	14	V	2.9	0.4	2.83	5
401431127	2013	9	1	15	V	2.3	0.3	2.28	1
401431127	2013	9	1	16	V	2.9	0.4	1.74	357
401431127	2013	9	1	17	V	4.2	0.3	1.67	339
401431127	2013	9	1	18	V	4.0	0.3	1.72	325
401431127	2013	9	1	19	V	2.3	0.3	1.54	332
401431127	2013	9	1	20	V	2.6	0.2	1.67	354
401431127	2013	9	1	21	V	2.0	0.2	3.97	24
401431127	2013	9	1	22	V	2.4	0.2	3.6	57
401431127	2013	9	1	23	V	2.3	0.2	1.76	22
401431127	2013	9	1	24	V	1.9	0.2	1.59	1
401431127	2013	9	2	1	V	1.2	0.2	1.76	2
401431127	2013	9	2	2	V	1.5	0.2	2.33	360
401431127	2013	9	2	3	V	1.0	0.2	3.15	7
401431127	2013	9	2	4	V	1.5	0.2	3.66	5
401431127	2013	9	2	5	V	1.7	0.2	3.64	12
401431127	2013	9	2	6	V	1.5	0.2	3.01	22
401431127	2013	9	2	7	V	1.5	0.2	2.32	12
401431127	2013	9	2	8	V	3.2	0.2	2.61	29
401431127	2013	9	2	9	V	1.6	0.2	3.17	24
401431127	2013	9	2	10	V	4.3	0.2	3.46	44
401431127	2013	9	2	11	V	2.7	0.4	4.37	24
401431127	2013	9	2	12	V	2.7	0.8	3.92	6
401431127	2013	9	2	13	V	5.3	0.7	3.78	4
401431127	2013	9	2	14	V	2.9	0.5	3.85	4
401431127	2013	9	2	15	V	2.2	0.5	3.88	9
401431127	2013	9	2	16	V	2.8	0.5	3.86	2
401431127	2013	9	2	17	V	4.2	0.5	3.66	5
401431127	2013	9	2	18	V	4.0	0.5	3.63	10
401431127	2013	9	2	19	V	2.2	0.5	2.52	6
401431127	2013	9	2	20	V	2.6	0.5	1.72	354
401431127	2013	9	2	21	V	2.1	0.5	1.3	357
401431127	2013	9	2	22	V	2.3	0.4	1.3	347
401431127	2013	9	2	23	V	2.5	0.4	0.55	317
401431127	2013	9	2	24	V	2.1	0.4	0.57	274
401431127	2013	9	3	1	V	1.3	0.3	0.91	328
401431127	2013	9	3	2	V	1.7	0.3	0.65	320
401431127	2013	9	3	3	V	1.1	0.3	0.57	257
401431127	2013	9	3	4	C	-999	0.3	0	0
401431127	2013	9	3	5	V	1.8	0.3	1.25	4
401431127	2013	9	3	6	V	1.7	0.5	0.57	304

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	3	7	V	1.6	0.7	0.79	3
401431127	2013	9	3	8	V	2.8	0.7	2.27	20
401431127	2013	9	3	9	V	2.8	0.2	2.13	35
401431127	2013	9	3	10	V	3.2	0.2	2.37	46
401431127	2013	9	3	11	V	2.7	0.2	3.06	22
401431127	2013	9	3	12	V	2.8	0.4	2.66	15
401431127	2013	9	3	13	V	5.3	0.8	3.03	18
401431127	2013	9	3	14	V	3.1	0.9	2.83	23
401431127	2013	9	3	15	V	2.3	0.9	3.03	14
401431127	2013	9	3	16	V	2.9	1.5	2.83	7
401431127	2013	9	3	17	V	4.2	3	2.76	18
401431127	2013	9	3	18	V	4.0	4	2.79	17
401431127	2013	9	3	19	V	2.2	3.2	2.79	13
401431127	2013	9	3	20	V	2.6	2.1	1.89	12
401431127	2013	9	3	21	V	2.1	1.3	1.57	11
401431127	2013	9	3	22	V	2.3	1	1.06	350
401431127	2013	9	3	23	C	-999	0.9	0	0
401431127	2013	9	3	24	C	-999	0.8	0	0
401431127	2013	9	4	1	C	-999	0.7	0	0
401431127	2013	9	4	2	V	1.7	0.5	0.7	267
401431127	2013	9	4	3	C	-999	0.4	0	0
401431127	2013	9	4	4	C	-999	0.4	0	0
401431127	2013	9	4	5	C	-999	0.4	0	0
401431127	2013	9	4	6	C	-999	0.5	0	0
401431127	2013	9	4	7	C	-999	1.1	0	0
401431127	2013	9	4	8	V	4.5	0.8	1.11	45
401431127	2013	9	4	9	V	1.7	0.4	1.88	132
401431127	2013	9	4	10	V	1.6	0.4	2.01	150
401431127	2013	9	4	11	V	2.7	0.3	2.23	155
401431127	2013	9	4	12	V	2.8	0.3	2.21	148
401431127	2013	9	4	13	V	5.3	0.3	2.84	86
401431127	2013	9	4	14	V	3.4	0.4	2.15	43
401431127	2013	9	4	15	V	2.3	0.5	2.47	79
401431127	2013	9	4	16	V	2.9	0.4	1.89	95
401431127	2013	9	4	17	V	4.2	0.5	2.18	159
401431127	2013	9	4	18	V	4.0	0.5	2.76	155
401431127	2013	9	4	19	V	2.2	0.4	1.89	168
401431127	2013	9	4	20	C	-999	0.3	0	0
401431127	2013	9	4	21	V	2.2	0.3	0.52	2
401431127	2013	9	4	22	V	2.4	0.4	0.86	12
401431127	2013	9	4	23	C	-999	0.4	0	0
401431127	2013	9	4	24	V	2.1	0.4	0.62	131
401431127	2013	9	5	1	V	1.4	0.3	0.65	311
401431127	2013	9	5	2	V	1.7	0.4	0.74	265
401431127	2013	9	5	3	C	-999	0.3	0	0
401431127	2013	9	5	4	V	1.7	0.3	0.58	28

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	5	5	C	-999	0.3	0	0
401431127	2013	9	5	6	V	1.6	0.5	0.89	235
401431127	2013	9	5	7	V	1.6	1	0.79	252
401431127	2013	9	5	8	V	4.7	0.9	1.3	220
401431127	2013	9	5	9	V	1.6	0.3	3	176
401431127	2013	9	5	10	V	1.5	0.4	3.05	174
401431127	2013	9	5	11	V	2.7	0.4	2.9	166
401431127	2013	9	5	12	V	2.8	0.5	2.3	167
401431127	2013	9	5	13	V	5.3	-999	2.61	135
401431127	2013	9	5	14	V	3.0	-999	2.59	89
401431127	2013	9	5	15	V	2.3	-999	2.42	76
401431127	2013	9	5	16	V	3.0	0.7	1.79	81
401431127	2013	9	5	17	V	4.2	0.6	2.27	96
401431127	2013	9	5	18	V	4.0	0.5	2.57	132
401431127	2013	9	5	19	V	2.2	0.3	2.5	135
401431127	2013	9	5	20	V	2.6	0.3	1.7	121
401431127	2013	9	5	21	V	2.1	0.2	1.35	162
401431127	2013	9	5	22	V	2.4	0.3	0.57	140
401431127	2013	9	5	23	V	2.5	0.3	0.84	96
401431127	2013	9	5	24	V	2.0	0.3	1.25	133
401431127	2013	9	6	1	C	-999	0.3	0	0
401431127	2013	9	6	2	V	9.3	0.3	1.26	211
401431127	2013	9	6	3	V	1.1	0.3	0.75	238
401431127	2013	9	6	4	V	1.6	0.3	0.97	230
401431127	2013	9	6	5	V	2.0	0.3	0.75	228
401431127	2013	9	6	6	V	2.2	0.4	1.28	220
401431127	2013	9	6	7	V	1.6	0.6	1.16	226
401431127	2013	9	6	8	V	5.1	0.4	1.57	199
401431127	2013	9	6	9	V	1.6	0.4	3.01	170
401431127	2013	9	6	10	V	1.5	0.3	2.95	169
401431127	2013	9	6	11	V	2.7	0.4	3.1	167
401431127	2013	9	6	12	V	2.7	0.3	2.71	157
401431127	2013	9	6	13	V	5.4	0.3	2.76	186
401431127	2013	9	6	14	V	3.0	0.4	2.76	185
401431127	2013	9	6	15	V	2.3	0.6	2.23	203
401431127	2013	9	6	16	V	2.9	0.7	3.12	123
401431127	2013	9	6	17	V	4.2	0.9	3.12	120
401431127	2013	9	6	18	V	4.0	0.8	2.86	143
401431127	2013	9	6	19	V	2.2	0.5	2.15	167
401431127	2013	9	6	20	V	2.7	0.3	1.11	185
401431127	2013	9	6	21	V	2.2	0.3	0.63	251
401431127	2013	9	6	22	V	5.4	0.7	1.33	201
401431127	2013	9	6	23	V	2.4	0.6	1.86	172
401431127	2013	9	6	24	V	1.9	0.3	1.79	167
401431127	2013	9	7	1	V	1.3	0.3	1.94	182
401431127	2013	9	7	2	V	4.7	0.3	1.48	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	7	3	V	1.0	0.3	1.33	182
401431127	2013	9	7	4	V	10.8	0.3	1.88	210
401431127	2013	9	7	5	V	11.7	0.3	1.86	208
401431127	2013	9	7	6	V	5.4	0.3	1.69	202
401431127	2013	9	7	7	V	1.5	0.3	2.01	182
401431127	2013	9	7	8	V	2.7	0.3	2.81	173
401431127	2013	9	7	9	V	1.6	0.3	3.06	173
401431127	2013	9	7	10	V	1.5	0.3	3.4	170
401431127	2013	9	7	11	V	2.7	0.4	3.37	185
401431127	2013	9	7	12	V	2.9	0.8	3.23	197
401431127	2013	9	7	13	V	5.3	1.7	2.88	173
401431127	2013	9	7	14	V	3.0	1.9	2.83	188
401431127	2013	9	7	15	V	2.3	1.1	2.88	200
401431127	2013	9	7	16	V	2.9	0.9	3.08	185
401431127	2013	9	7	17	V	4.3	0.8	2.89	192
401431127	2013	9	7	18	V	4.1	0.7	2.84	184
401431127	2013	9	7	19	V	2.3	0.6	1.99	189
401431127	2013	9	7	20	V	2.7	0.4	0.55	249
401431127	2013	9	7	21	V	2.2	0.4	0.52	275
401431127	2013	9	7	22	V	3.3	0.4	0.99	220
401431127	2013	9	7	23	V	2.5	0.5	0.82	235
401431127	2013	9	7	24	V	2.0	0.4	1.09	229
401431127	2013	9	8	1	C	-999	0.4	0	0
401431127	2013	9	8	2	V	7.1	0.3	0.99	206
401431127	2013	9	8	3	V	1.1	0.3	0.77	237
401431127	2013	9	8	4	V	1.7	0.5	0.7	319
401431127	2013	9	8	5	C	-999	0.6	0	0
401431127	2013	9	8	6	C	-999	0.6	0	0
401431127	2013	9	8	7	V	1.7	0.5	0.55	274
401431127	2013	9	8	8	V	5.5	0.5	1.18	210
401431127	2013	9	8	9	V	2.1	0.4	2.64	222
401431127	2013	9	8	10	V	2.1	0.4	2.91	211
401431127	2013	9	8	11	V	2.9	0.5	4.03	214
401431127	2013	9	8	12	V	2.9	0.7	3.98	216
401431127	2013	9	8	13	V	5.4	1	4.32	205
401431127	2013	9	8	14	V	3.0	1.2	4.27	192
401431127	2013	9	8	15	V	2.3	0.9	4.82	188
401431127	2013	9	8	16	V	3.0	0.7	4.61	197
401431127	2013	9	8	17	V	4.3	0.6	4.39	195
401431127	2013	9	8	18	V	4.2	0.6	3.63	196
401431127	2013	9	8	19	V	9.3	0.7	1.54	212
401431127	2013	9	8	20	V	2.7	0.5	0.6	237
401431127	2013	9	8	21	V	2.2	0.4	0.63	245
401431127	2013	9	8	22	V	2.4	0.4	0.57	261
401431127	2013	9	8	23	V	2.4	0.5	0.86	233
401431127	2013	9	8	24	V	2.4	0.4	0.72	225

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	9	1	C	-999	0.4	0	0
401431127	2013	9	9	2	V	1.7	0.4	0.72	264
401431127	2013	9	9	3	C	-999	0.4	0	0
401431127	2013	9	9	4	C	-999	0.4	0	0
401431127	2013	9	9	5	C	-999	0.4	0	0
401431127	2013	9	9	6	C	-999	0.6	0	0
401431127	2013	9	9	7	C	-999	1.3	0	0
401431127	2013	9	9	8	V	5.3	1.9	1.08	201
401431127	2013	9	9	9	V	2.6	0.9	2.23	219
401431127	2013	9	9	10	V	1.6	0.5	3.05	228
401431127	2013	9	9	11	V	2.8	0.5	2.98	225
401431127	2013	9	9	12	V	2.7	0.7	5.07	190
401431127	2013	9	9	13	V	5.3	0.8	5.63	191
401431127	2013	9	9	14	V	2.9	0.6	6.21	177
401431127	2013	9	9	15	V	2.2	0.6	5.72	181
401431127	2013	9	9	16	V	2.9	0.5	5.8	188
401431127	2013	9	9	17	V	4.2	0.5	5.75	189
401431127	2013	9	9	18	V	4.1	0.9	5.05	194
401431127	2013	9	9	19	V	10.3	0.5	1.79	209
401431127	2013	9	9	20	V	8.6	0.4	1.13	208
401431127	2013	9	9	21	V	5.7	0.4	0.75	214
401431127	2013	9	9	22	V	6.3	0.6	0.69	209
401431127	2013	9	9	23	V	5.7	0.5	0.58	207
401431127	2013	9	9	24	V	10.2	0.5	1.38	207
401431127	2013	9	10	1	V	1.4	0.4	0.69	246
401431127	2013	9	10	2	V	1.7	0.4	0.52	260
401431127	2013	9	10	3	V	1.1	0.4	0.65	236
401431127	2013	9	10	4	V	1.6	0.5	0.8	260
401431127	2013	9	10	5	V	1.9	0.5	0.77	229
401431127	2013	9	10	6	V	3.8	0.6	0.92	200
401431127	2013	9	10	7	V	2.1	0.8	0.8	194
401431127	2013	9	10	8	V	4.1	1.3	1.71	194
401431127	2013	9	10	9	V	1.7	0.7	2.95	186
401431127	2013	9	10	10	V	2.1	0.5	3.88	202
401431127	2013	9	10	11	V	2.9	0.5	5.26	202
401431127	2013	9	10	12	V	2.9	0.5	5.22	200
401431127	2013	9	10	13	V	5.3	0.5	5.5	195
401431127	2013	9	10	14	V	2.9	0.5	5.55	185
401431127	2013	9	10	15	V	2.3	0.5	5.04	188
401431127	2013	9	10	16	V	3.0	0.4	5.12	203
401431127	2013	9	10	17	V	4.3	0.7	4.34	194
401431127	2013	9	10	18	V	4.0	0.5	3.29	178
401431127	2013	9	10	19	V	7.5	0.4	1.31	214
401431127	2013	9	10	20	C	-999	0.4	0	0
401431127	2013	9	10	21	V	2.2	0.5	0.55	299
401431127	2013	9	10	22	C	-999	0.5	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	10	23	V	2.5	0.5	0.53	260
401431127	2013	9	10	24	C	-999	0.6	0	0
401431127	2013	9	11	1	V	1.4	0.5	0.52	242
401431127	2013	9	11	2	V	1.7	0.4	0.55	269
401431127	2013	9	11	3	V	1.1	0.4	0.62	266
401431127	2013	9	11	4	C	-999	0.4	0	0
401431127	2013	9	11	5	V	1.9	0.5	0.6	233
401431127	2013	9	11	6	V	1.7	0.6	0.57	238
401431127	2013	9	11	7	V	1.7	0.7	0.57	247
401431127	2013	9	11	8	V	5.1	0.9	0.94	202
401431127	2013	9	11	9	V	3.8	0.7	1.76	207
401431127	2013	9	11	10	V	1.7	0.5	2.15	227
401431127	2013	9	11	11	V	2.9	0.7	2.54	216
401431127	2013	9	11	12	V	2.9	0.9	2.79	210
401431127	2013	9	11	13	V	5.4	-999	2.89	201
401431127	2013	9	11	14	V	3.1	-999	2.49	217
401431127	2013	9	11	15	V	2.3	0.8	2.44	173
401431127	2013	9	11	16	V	3.0	0.6	2.59	193
401431127	2013	9	11	17	V	4.4	0.6	2.05	216
401431127	2013	9	11	18	V	4.1	0.7	2.2	186
401431127	2013	9	11	19	V	9.8	0.5	1.23	209
401431127	2013	9	11	20	V	2.7	0.3	0.62	240
401431127	2013	9	11	21	V	2.2	0.5	0.62	275
401431127	2013	9	11	22	V	2.4	0.5	0.69	277
401431127	2013	9	11	23	V	2.5	0.5	0.62	270
401431127	2013	9	11	24	V	3.5	0.4	0.82	219
401431127	2013	9	12	1	V	1.6	0.4	0.77	225
401431127	2013	9	12	2	V	2.6	0.4	0.97	220
401431127	2013	9	12	3	V	1.1	0.4	0.8	234
401431127	2013	9	12	4	V	1.6	0.3	0.74	252
401431127	2013	9	12	5	V	1.9	0.4	0.57	303
401431127	2013	9	12	6	C	-999	0.6	0	0
401431127	2013	9	12	7	V	1.9	0.9	0.7	227
401431127	2013	9	12	8	V	3.0	0.5	1.18	256
401431127	2013	9	12	9	V	1.6	0.3	2.15	358
401431127	2013	9	12	10	V	1.7	0.3	2.79	27
401431127	2013	9	12	11	V	3.1	0.3	2.01	45
401431127	2013	9	12	12	V	3.2	0.4	2.78	47
401431127	2013	9	12	13	V	5.5	0.5	3.37	31
401431127	2013	9	12	14	V	3.0	0.5	3.15	19
401431127	2013	9	12	15	V	2.2	0.4	4.31	20
401431127	2013	9	12	16	V	2.8	0.4	4.1	354
401431127	2013	9	12	17	V	4.2	0.3	3.83	237
401431127	2013	9	12	18	V	4.1	0.3	1.4	255
401431127	2013	9	12	19	V	2.3	0.3	0.84	348
401431127	2013	9	12	20	V	2.6	0.2	1.2	353

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	12	21	V	2.0	0.2	2.9	10
401431127	2013	9	12	22	V	2.2	0.2	3.27	14
401431127	2013	9	12	23	V	2.3	0.2	4.14	34
401431127	2013	9	12	24	V	1.9	0.2	3.3	26
401431127	2013	9	13	1	V	1.2	0.2	2.73	15
401431127	2013	9	13	2	V	1.5	0.2	2.42	15
401431127	2013	9	13	3	V	1.0	0.2	1.86	5
401431127	2013	9	13	4	V	1.5	0.2	2.62	12
401431127	2013	9	13	5	V	1.7	0.1	2.93	16
401431127	2013	9	13	6	V	1.5	0.2	3.34	21
401431127	2013	9	13	7	V	1.5	0.5	3.74	27
401431127	2013	9	13	8	V	3.6	0.7	4.75	38
401431127	2013	9	13	9	V	4.4	0.5	5.19	45
401431127	2013	9	13	10	V	3.8	0.6	4.78	52
401431127	2013	9	13	11	V	4.2	0.6	4.65	43
401431127	2013	9	13	12	V	3.7	0.6	4.1	43
401431127	2013	9	13	13	V	5.6	0.9	4.65	34
401431127	2013	9	13	14	V	3.0	3.2	4.15	31
401431127	2013	9	13	15	V	2.2	12.1	4.87	21
401431127	2013	9	13	16	V	2.9	10.4	4.34	31
401431127	2013	9	13	17	V	4.2	5.8	3.9	26
401431127	2013	9	13	18	V	4.0	6.1	4.32	22
401431127	2013	9	13	19	V	2.2	6.4	4.17	28
401431127	2013	9	13	20	V	2.6	1.4	4.48	31
401431127	2013	9	13	21	V	2.0	0.8	3.74	29
401431127	2013	9	13	22	V	2.2	0.8	3.18	34
401431127	2013	9	13	23	V	6.5	0.5	3.61	50
401431127	2013	9	13	24	V	6.2	0.4	2.91	44
401431127	2013	9	14	1	V	4.4	0.4	2.74	51
401431127	2013	9	14	2	V	1.5	0.3	2.03	32
401431127	2013	9	14	3	V	1.0	0.3	1.89	31
401431127	2013	9	14	4	V	1.5	0.2	2.49	30
401431127	2013	9	14	5	V	1.7	0.3	1.81	32
401431127	2013	9	14	6	V	1.6	0.3	0.94	63
401431127	2013	9	14	7	V	1.5	0.4	1.74	114
401431127	2013	9	14	8	V	2.8	0.5	2.28	145
401431127	2013	9	14	9	V	1.6	0.6	3.35	140
401431127	2013	9	14	10	V	1.5	0.5	4	147
401431127	2013	9	14	11	V	2.7	0.5	3.66	162
401431127	2013	9	14	12	V	2.7	0.5	4.05	145
401431127	2013	9	14	13	V	5.3	0.5	4.09	131
401431127	2013	9	14	14	V	2.9	0.5	3.66	134
401431127	2013	9	14	15	V	2.2	0.5	3.63	138
401431127	2013	9	14	16	V	2.8	0.5	4.02	128
401431127	2013	9	14	17	V	4.2	0.6	3.49	151
401431127	2013	9	14	18	V	4.0	0.5	3.85	177

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	14	19	V	2.2	0.5	2.93	180
401431127	2013	9	14	20	V	2.6	0.5	2.22	157
401431127	2013	9	14	21	V	2.0	0.5	2.69	150
401431127	2013	9	14	22	V	2.2	0.5	2.55	156
401431127	2013	9	14	23	V	2.3	0.6	3.15	174
401431127	2013	9	14	24	V	1.9	0.5	2.71	165
401431127	2013	9	15	1	V	1.3	0.6	1.98	185
401431127	2013	9	15	2	V	1.5	0.6	2.62	178
401431127	2013	9	15	3	V	1.0	0.5	2.33	181
401431127	2013	9	15	4	V	3.4	0.5	2.15	200
401431127	2013	9	15	5	V	1.7	0.5	2.54	180
401431127	2013	9	15	6	V	1.5	0.5	2.83	183
401431127	2013	9	15	7	V	1.5	0.5	2.81	174
401431127	2013	9	15	8	V	2.7	0.6	3.15	172
401431127	2013	9	15	9	V	1.5	0.8	4.42	177
401431127	2013	9	15	10	V	1.4	0.8	5.55	182
401431127	2013	9	15	11	V	2.7	0.8	5.89	189
401431127	2013	9	15	12	V	2.7	0.7	4.78	182
401431127	2013	9	15	13	V	5.3	0.7	4.36	186
401431127	2013	9	15	14	V	2.9	0.5	4.65	182
401431127	2013	9	15	15	V	2.3	0.5	3.88	193
401431127	2013	9	15	16	V	3.1	0.6	2.74	209
401431127	2013	9	15	17	V	4.3	0.6	2.67	191
401431127	2013	9	15	18	V	4.2	0.5	2.81	195
401431127	2013	9	15	19	C	-999	0.5	0	0
401431127	2013	9	15	20	C	-999	0.5	0	0
401431127	2013	9	15	21	V	2.2	0.5	0.65	242
401431127	2013	9	15	22	C	-999	0.4	0	0
401431127	2013	9	15	23	V	7.8	0.4	0.94	207
401431127	2013	9	15	24	C	-999	0.4	0	0
401431127	2013	9	16	1	C	-999	0.3	0	0
401431127	2013	9	16	2	V	1.6	0.3	1.5	34
401431127	2013	9	16	3	V	1.0	0.3	2.15	14
401431127	2013	9	16	4	V	1.5	0.2	3.63	10
401431127	2013	9	16	5	V	1.7	0.2	2.95	7
401431127	2013	9	16	6	V	1.6	0.2	5.09	36
401431127	2013	9	16	7	V	2.9	0.2	3.05	54
401431127	2013	9	16	8	V	2.8	0.2	2.91	28
401431127	2013	9	16	9	V	1.5	0.2	3.35	21
401431127	2013	9	16	10	V	1.5	0.2	2.72	24
401431127	2013	9	16	11	V	7.8	0.2	3.25	47
401431127	2013	9	16	12	V	3.0	0.2	3.59	65
401431127	2013	9	16	13	V	5.3	0.2	4.32	102
401431127	2013	9	16	14	V	2.9	0.3	3.9	98
401431127	2013	9	16	15	V	2.2	0.3	3.41	102
401431127	2013	9	16	16	V	3.2	0.3	3.18	62

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	16	17	V	5.1	0.2	4.12	45
401431127	2013	9	16	18	V	5.2	0.2	4.07	49
401431127	2013	9	16	19	V	3.7	0.2	4.03	53
401431127	2013	9	16	20	V	2.6	0.2	3.85	32
401431127	2013	9	16	21	V	2.2	0.2	3.51	38
401431127	2013	9	16	22	V	2.2	0.2	2.66	31
401431127	2013	9	16	23	V	2.3	0.2	2.13	30
401431127	2013	9	16	24	V	1.9	0.2	2.67	25
401431127	2013	9	17	1	V	1.3	0.2	2.49	37
401431127	2013	9	17	2	V	9.3	0.2	2.44	45
401431127	2013	9	17	3	V	1.4	0.2	2.11	55
401431127	2013	9	17	4	V	10.7	0.2	1.74	49
401431127	2013	9	17	5	V	1.8	0.2	1.31	64
401431127	2013	9	17	6	V	1.5	0.2	1.33	306
401431127	2013	9	17	7	V	1.7	0.3	0.57	346
401431127	2013	9	17	8	V	3.0	0.3	0.97	100
401431127	2013	9	17	9	V	1.9	0.5	1.11	119
401431127	2013	9	17	10	V	1.7	0.3	1.64	137
401431127	2013	9	17	11	V	2.7	0.3	2.08	113
401431127	2013	9	17	12	V	2.8	0.3	2.28	133
401431127	2013	9	17	13	V	5.3	0.3	2.08	89
401431127	2013	9	17	14	V	3.5	0.3	1.96	65
401431127	2013	9	17	15	V	2.3	0.3	2.78	86
401431127	2013	9	17	16	V	2.9	0.3	2.71	96
401431127	2013	9	17	17	V	4.2	0.3	3.34	105
401431127	2013	9	17	18	V	4.0	0.4	3.46	105
401431127	2013	9	17	19	V	2.2	0.4	2.2	93
401431127	2013	9	17	20	V	2.6	0.4	2.15	118
401431127	2013	9	17	21	V	3.2	0.4	5.75	197
401431127	2013	9	17	22	V	2.2	0.3	2.95	179
401431127	2013	9	17	23	V	2.4	0.3	1.38	182
401431127	2013	9	17	24	V	2.9	0.3	0.82	196
401431127	2013	9	18	1	V	1.3	0.3	0.77	236
401431127	2013	9	18	2	V	6.1	0.3	0.77	208
401431127	2013	9	18	3	V	1.0	0.3	2.18	181
401431127	2013	9	18	4	V	1.5	0.3	2.57	175
401431127	2013	9	18	5	V	1.7	0.2	2.35	168
401431127	2013	9	18	6	V	1.5	0.2	2.08	171
401431127	2013	9	18	7	V	1.5	0.2	2.23	170
401431127	2013	9	18	8	V	2.7	0.3	2.47	168
401431127	2013	9	18	9	V	1.6	0.3	3.05	171
401431127	2013	9	18	10	V	1.5	0.2	4.2	186
401431127	2013	9	18	11	V	2.7	0.3	4.68	190
401431127	2013	9	18	12	V	2.7	0.2	5.05	184
401431127	2013	9	18	13	V	5.4	0.2	5.29	197
401431127	2013	9	18	14	V	3.1	0.3	5.5	206

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	18	15	V	2.4	0.4	5.04	204
401431127	2013	9	18	16	V	2.9	0.4	6.21	185
401431127	2013	9	18	17	V	4.2	0.4	4.75	172
401431127	2013	9	18	18	V	4.0	0.4	3.9	167
401431127	2013	9	18	19	V	2.2	0.3	3.17	157
401431127	2013	9	18	20	V	2.5	0.3	5.92	164
401431127	2013	9	18	21	V	2.0	0.2	4.46	155
401431127	2013	9	18	22	V	2.2	0.2	2.83	170
401431127	2013	9	18	23	V	2.3	0.3	3.08	169
401431127	2013	9	18	24	V	1.9	0.2	2.52	176
401431127	2013	9	19	1	V	1.2	0.2	2.16	182
401431127	2013	9	19	2	V	1.5	0.2	2.67	172
401431127	2013	9	19	3	V	1.0	0.2	1.52	162
401431127	2013	9	19	4	V	1.6	0.3	1.31	162
401431127	2013	9	19	5	V	1.8	0.3	1.64	161
401431127	2013	9	19	6	V	1.5	0.3	1.84	162
401431127	2013	9	19	7	V	1.5	0.3	1.62	150
401431127	2013	9	19	8	V	2.7	0.3	2.66	174
401431127	2013	9	19	9	V	1.6	0.3	5.12	195
401431127	2013	9	19	10	V	1.8	0.3	5.94	203
401431127	2013	9	19	11	V	2.9	0.4	6.09	202
401431127	2013	9	19	12	V	2.8	0.4	5.68	193
401431127	2013	9	19	13	V	5.2	0.3	5.04	233
401431127	2013	9	19	14	V	3.0	0.3	2.35	304
401431127	2013	9	19	15	V	2.4	0.3	1.01	338
401431127	2013	9	19	16	V	3.0	0.3	1.06	57
401431127	2013	9	19	17	V	4.3	0.3	0.96	148
401431127	2013	9	19	18	V	4.0	0.4	1.62	262
401431127	2013	9	19	19	V	2.3	0.3	1.11	255
401431127	2013	9	19	20	V	2.7	0.3	0.69	257
401431127	2013	9	19	21	V	2.0	0.2	1.82	269
401431127	2013	9	19	22	V	2.2	0.2	2.01	350
401431127	2013	9	19	23	V	2.3	0.2	2.45	293
401431127	2013	9	19	24	V	1.9	0.2	1.71	295
401431127	2013	9	20	1	V	1.3	0.2	1.57	240
401431127	2013	9	20	2	V	1.6	0.2	1.06	146
401431127	2013	9	20	3	V	1.0	0.2	2.11	91
401431127	2013	9	20	4	V	2.8	0.2	2.44	53
401431127	2013	9	20	5	V	1.8	0.2	1.09	72
401431127	2013	9	20	6	V	1.6	0.2	0.89	336
401431127	2013	9	20	7	V	1.6	0.2	1.04	286
401431127	2013	9	20	8	V	2.9	0.3	1.16	327
401431127	2013	9	20	9	V	1.6	0.2	2.36	5
401431127	2013	9	20	10	V	1.4	0.2	4.86	19
401431127	2013	9	20	11	V	2.6	0.3	4.36	6
401431127	2013	9	20	12	V	2.7	0.3	4.36	24

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	20	13	V	5.2	0.4	5.26	15
401431127	2013	9	20	14	V	2.9	0.4	4.87	16
401431127	2013	9	20	15	V	2.2	0.4	4.44	16
401431127	2013	9	20	16	V	2.8	0.4	4.51	15
401431127	2013	9	20	17	V	4.2	0.4	3.81	14
401431127	2013	9	20	18	V	4.0	0.3	2.3	357
401431127	2013	9	20	19	V	2.2	0.3	1.84	358
401431127	2013	9	20	20	V	2.6	0.3	1.57	332
401431127	2013	9	20	21	V	2.1	0.3	1.54	331
401431127	2013	9	20	22	V	2.3	0.2	1.57	332
401431127	2013	9	20	23	V	2.4	0.2	1.65	334
401431127	2013	9	20	24	V	2.0	0.3	0.87	259
401431127	2013	9	21	1	V	1.4	0.3	0.6	258
401431127	2013	9	21	2	V	1.7	0.3	0.57	281
401431127	2013	9	21	3	C	-999	0.2	0	0
401431127	2013	9	21	4	C	-999	0.3	0	0
401431127	2013	9	21	5	C	-999	0.4	0	0
401431127	2013	9	21	6	C	-999	0.5	0	0
401431127	2013	9	21	7	C	-999	0.6	0	0
401431127	2013	9	21	8	V	3.4	0.9	0.72	75
401431127	2013	9	21	9	V	1.9	0.3	1.5	18
401431127	2013	9	21	10	V	5.1	0.3	2.84	45
401431127	2013	9	21	11	V	5.2	1	2.71	47
401431127	2013	9	21	12	V	4.6	2.6	2.84	44
401431127	2013	9	21	13	V	6.4	4.9	2.91	41
401431127	2013	9	21	14	V	3.1	1.3	3.03	26
401431127	2013	9	21	15	V	2.8	0.9	3.47	35
401431127	2013	9	21	16	V	3.0	1.4	3.13	25
401431127	2013	9	21	17	V	4.3	2.8	3.07	26
401431127	2013	9	21	18	V	4.0	2.1	2.27	6
401431127	2013	9	21	19	V	2.2	0.9	1.69	1
401431127	2013	9	21	20	V	2.7	0.7	0.69	331
401431127	2013	9	21	21	V	2.2	0.8	0.8	341
401431127	2013	9	21	22	V	2.4	0.8	0.63	289
401431127	2013	9	21	23	V	2.5	0.7	0.74	268
401431127	2013	9	21	24	V	2.1	0.6	0.63	264
401431127	2013	9	22	1	V	1.4	1	0.55	235
401431127	2013	9	22	2	V	1.7	1	0.67	235
401431127	2013	9	22	3	V	1.1	0.9	0.62	253
401431127	2013	9	22	4	V	1.6	0.7	0.65	301
401431127	2013	9	22	5	C	-999	0.7	0	0
401431127	2013	9	22	6	V	1.7	0.7	0.53	239
401431127	2013	9	22	7	C	-999	0.8	0	0
401431127	2013	9	22	8	C	-999	0.7	0	0
401431127	2013	9	22	9	V	1.7	0.9	1.62	137
401431127	2013	9	22	10	V	1.5	0.5	3.24	144

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	22	11	V	2.8	0.5	2.28	129
401431127	2013	9	22	12	V	2.8	0.6	2.03	162
401431127	2013	9	22	13	V	5.3	0.5	2.66	167
401431127	2013	9	22	14	V	3.0	0.4	2.83	152
401431127	2013	9	22	15	V	2.2	0.4	3.54	137
401431127	2013	9	22	16	V	2.9	0.3	3.13	151
401431127	2013	9	22	17	V	4.2	0.3	3.59	154
401431127	2013	9	22	18	V	4.0	0.3	3.59	150
401431127	2013	9	22	19	V	2.2	0.3	2.43	142
401431127	2013	9	22	20	V	2.6	0.4	1.84	142
401431127	2013	9	22	21	C	-999	0.3	0	0
401431127	2013	9	22	22	V	2.4	0.5	0.53	241
401431127	2013	9	22	23	V	2.5	0.5	0.7	231
401431127	2013	9	22	24	V	2.0	0.5	0.89	234
401431127	2013	9	23	1	V	8.2	0.4	1.47	205
401431127	2013	9	23	2	V	1.7	0.4	1.18	190
401431127	2013	9	23	3	V	1.0	0.4	1.25	183
401431127	2013	9	23	4	V	2.2	0.3	0.92	195
401431127	2013	9	23	5	V	2.5	0.3	0.63	224
401431127	2013	9	23	6	V	1.6	0.5	0.58	244
401431127	2013	9	23	7	V	1.9	0.9	1.14	222
401431127	2013	9	23	8	V	2.8	0.7	2.08	174
401431127	2013	9	23	9	V	1.5	0.7	4.12	170
401431127	2013	9	23	10	V	1.5	0.9	5.28	171
401431127	2013	9	23	11	V	2.7	0.8	4.78	165
401431127	2013	9	23	12	V	2.7	1	4.29	172
401431127	2013	9	23	13	V	5.3	1.1	4.87	171
401431127	2013	9	23	14	V	2.9	1.1	5.21	168
401431127	2013	9	23	15	V	2.2	0.9	5.04	169
401431127	2013	9	23	16	V	2.8	0.7	5.11	157
401431127	2013	9	23	17	V	4.2	0.6	5.02	160
401431127	2013	9	23	18	V	4.0	0.6	3.68	172
401431127	2013	9	23	19	V	2.3	0.6	1.2	227
401431127	2013	9	23	20	V	5.2	0.5	0.67	216
401431127	2013	9	23	21	V	2.2	0.6	0.58	263
401431127	2013	9	23	22	V	9.4	0.6	1.06	210
401431127	2013	9	23	23	V	2.4	0.5	1.06	183
401431127	2013	9	23	24	V	5.1	0.4	0.86	215
401431127	2013	9	24	1	V	1.8	0.3	0.96	222
401431127	2013	9	24	2	V	6.7	0.5	1.11	204
401431127	2013	9	24	3	V	7.4	3.4	1.55	213
401431127	2013	9	24	4	V	1.5	1.7	1.94	229
401431127	2013	9	24	5	V	1.7	0.8	1.79	229
401431127	2013	9	24	6	V	1.5	0.8	2.33	232
401431127	2013	9	24	7	V	1.5	0.7	2.28	244
401431127	2013	9	24	8	V	2.8	0.8	1.62	270

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	24	9	V	1.6	0.7	3.24	290
401431127	2013	9	24	10	V	1.5	0.5	3.03	295
401431127	2013	9	24	11	V	2.7	0.4	3.13	292
401431127	2013	9	24	12	V	2.7	0.4	3.71	305
401431127	2013	9	24	13	V	5.3	0.4	3.27	300
401431127	2013	9	24	14	V	2.9	0.4	3.47	306
401431127	2013	9	24	15	V	2.2	0.4	3.68	313
401431127	2013	9	24	16	V	2.8	0.4	3.44	306
401431127	2013	9	24	17	V	4.2	0.4	3.46	329
401431127	2013	9	24	18	V	4.0	0.4	2.62	339
401431127	2013	9	24	19	V	2.3	0.4	1.28	332
401431127	2013	9	24	20	V	2.7	0.5	0.92	306
401431127	2013	9	24	21	V	2.2	0.6	0.67	308
401431127	2013	9	24	22	V	2.4	0.6	0.63	267
401431127	2013	9	24	23	V	2.5	0.6	0.62	234
401431127	2013	9	24	24	V	2.1	0.6	0.53	260
401431127	2013	9	25	1	V	1.4	0.7	0.57	251
401431127	2013	9	25	2	V	1.7	0.5	0.77	242
401431127	2013	9	25	3	C	-999	0.5	0	0
401431127	2013	9	25	4	V	1.7	0.4	0.58	242
401431127	2013	9	25	5	V	1.9	0.4	0.79	255
401431127	2013	9	25	6	V	1.6	0.4	0.77	279
401431127	2013	9	25	7	C	-999	1	0	0
401431127	2013	9	25	8	V	3.3	0.8	0.69	359
401431127	2013	9	25	9	V	1.8	0.3	1.28	318
401431127	2013	9	25	10	V	1.8	0.5	1.25	299
401431127	2013	9	25	11	V	2.9	0.7	1.47	329
401431127	2013	9	25	12	V	2.9	0.6	1.6	317
401431127	2013	9	25	13	V	5.5	0.5	1.47	333
401431127	2013	9	25	14	V	3.1	-999	1.45	79
401431127	2013	9	25	15	V	2.4	-999	1.55	97
401431127	2013	9	25	16	V	2.9	1.2	2.13	91
401431127	2013	9	25	17	V	4.2	1.5	2.76	131
401431127	2013	9	25	18	V	4.1	1	3.12	120
401431127	2013	9	25	19	V	2.3	0.6	1.43	137
401431127	2013	9	25	20	C	-999	0.7	0	0
401431127	2013	9	25	21	V	2.2	0.6	0.57	143
401431127	2013	9	25	22	V	3.1	0.6	0.55	194
401431127	2013	9	25	23	C	-999	0.8	0	0
401431127	2013	9	25	24	V	2.0	0.7	0.65	285
401431127	2013	9	26	1	V	1.3	0.5	1.01	231
401431127	2013	9	26	2	V	8.0	0.4	1.26	205
401431127	2013	9	26	3	V	1.1	0.3	1.57	190
401431127	2013	9	26	4	V	10.8	0.3	1.6	208
401431127	2013	9	26	5	V	1.8	0.4	1.54	174
401431127	2013	9	26	6	V	7.3	0.6	1.35	204

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	26	7	V	1.5	0.5	1.67	169
401431127	2013	9	26	8	V	2.7	0.4	2.91	155
401431127	2013	9	26	9	V	1.5	0.4	4.19	166
401431127	2013	9	26	10	V	1.5	0.5	4.88	173
401431127	2013	9	26	11	V	2.7	0.8	5.27	166
401431127	2013	9	26	12	V	2.7	1.4	5.5	167
401431127	2013	9	26	13	V	5.2	1.6	4.85	165
401431127	2013	9	26	14	V	2.9	1.7	5.22	164
401431127	2013	9	26	15	V	2.2	1.8	5.05	162
401431127	2013	9	26	16	V	2.8	1.8	5.05	160
401431127	2013	9	26	17	V	4.2	1.6	5.46	164
401431127	2013	9	26	18	V	4.0	1.7	4.77	149
401431127	2013	9	26	19	V	2.2	1.9	3.75	139
401431127	2013	9	26	20	V	2.6	1.3	3.86	142
401431127	2013	9	26	21	V	2.0	0.9	4.39	143
401431127	2013	9	26	22	V	2.2	0.7	3.83	148
401431127	2013	9	26	23	V	2.3	0.6	3.2	152
401431127	2013	9	26	24	V	1.9	0.6	2.52	168
401431127	2013	9	27	1	V	1.2	0.6	2.96	175
401431127	2013	9	27	2	V	1.5	0.6	2.93	172
401431127	2013	9	27	3	V	1.0	0.6	2.72	181
401431127	2013	9	27	4	V	1.5	0.5	1.72	169
401431127	2013	9	27	5	V	1.8	0.5	1.7	150
401431127	2013	9	27	6	V	1.5	0.4	1.67	155
401431127	2013	9	27	7	V	1.5	0.4	2.35	142
401431127	2013	9	27	8	V	2.7	0.4	2.86	147
401431127	2013	9	27	9	V	1.5	0.4	4.95	159
401431127	2013	9	27	10	V	1.4	0.6	5.34	162
401431127	2013	9	27	11	V	2.6	0.7	5.04	168
401431127	2013	9	27	12	V	2.7	1.3	6.26	173
401431127	2013	9	27	13	V	5.2	1.1	6.41	164
401431127	2013	9	27	14	V	2.9	1.1	6.19	165
401431127	2013	9	27	15	V	2.2	1.2	6.65	162
401431127	2013	9	27	16	V	2.8	1.3	6.52	162
401431127	2013	9	27	17	V	4.2	1.3	6.35	163
401431127	2013	9	27	18	V	4.0	1.3	5.16	163
401431127	2013	9	27	19	V	2.2	1.1	4.49	159
401431127	2013	9	27	20	V	2.6	0.8	4.49	163
401431127	2013	9	27	21	V	2.0	0.5	4.56	161
401431127	2013	9	27	22	V	2.2	0.4	5.16	162
401431127	2013	9	27	23	V	2.3	0.3	4.9	160
401431127	2013	9	27	24	V	1.9	0.3	4.78	160
401431127	2013	9	28	1	V	1.2	0.3	4.26	166
401431127	2013	9	28	2	V	1.5	0.3	3.98	169
401431127	2013	9	28	3	V	1.0	0.3	4.63	167
401431127	2013	9	28	4	V	1.5	0.2	4.05	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	28	5	V	1.7	0.2	3.29	158
401431127	2013	9	28	6	V	1.5	0.2	4.29	167
401431127	2013	9	28	7	V	1.5	0.2	5.24	169
401431127	2013	9	28	8	V	2.6	0.2	5.56	172
401431127	2013	9	28	9	V	1.9	0.2	4.36	216
401431127	2013	9	28	10	V	1.5	0.3	2.16	17
401431127	2013	9	28	11	V	2.8	0.2	1.04	333
401431127	2013	9	28	12	V	2.8	0.2	1.52	330
401431127	2013	9	28	13	V	5.2	0.2	3.71	312
401431127	2013	9	28	14	V	2.9	0.1	2.95	336
401431127	2013	9	28	15	V	2.2	0.2	2.55	345
401431127	2013	9	28	16	V	2.8	0.1	3.1	351
401431127	2013	9	28	17	V	4.2	0.2	2.38	351
401431127	2013	9	28	18	V	4.0	0.2	1.48	11
401431127	2013	9	28	19	V	2.3	0.2	1.04	27
401431127	2013	9	28	20	C	-999	0.4	0	0
401431127	2013	9	28	21	V	2.1	0.5	0.91	321
401431127	2013	9	28	22	V	2.4	0.5	0.57	269
401431127	2013	9	28	23	V	2.4	0.5	0.94	286
401431127	2013	9	28	24	V	2.0	0.7	0.79	274
401431127	2013	9	29	1	V	1.3	0.7	0.69	281
401431127	2013	9	29	2	V	1.6	0.6	0.69	272
401431127	2013	9	29	3	V	1.0	0.5	1.03	233
401431127	2013	9	29	4	C	-999	0.3	0	0
401431127	2013	9	29	5	C	-999	0.3	0	0
401431127	2013	9	29	6	V	1.5	0.2	1.09	1
401431127	2013	9	29	7	V	1.6	0.2	0.7	1
401431127	2013	9	29	8	V	2.9	0.2	0.79	323
401431127	2013	9	29	9	V	1.7	0.2	1.93	18
401431127	2013	9	29	10	V	1.5	0.2	2.76	19
401431127	2013	9	29	11	V	2.7	0.2	3.85	23
401431127	2013	9	29	12	V	2.7	0.3	3.35	14
401431127	2013	9	29	13	V	5.3	0.4	2.91	19
401431127	2013	9	29	14	V	2.9	0.4	2.64	357
401431127	2013	9	29	15	V	2.3	0.4	2.47	18
401431127	2013	9	29	16	V	2.9	0.5	2.45	13
401431127	2013	9	29	17	V	4.2	0.6	2.25	17
401431127	2013	9	29	18	V	4.0	1	1.82	10
401431127	2013	9	29	19	V	2.3	0.7	1.25	1
401431127	2013	9	29	20	V	2.6	0.7	0.82	320
401431127	2013	9	29	21	V	2.2	0.7	0.6	249
401431127	2013	9	29	22	C	-999	0.5	0	0
401431127	2013	9	29	23	V	2.5	0.6	0.53	242
401431127	2013	9	29	24	V	2.0	0.6	0.57	284
401431127	2013	9	30	1	V	1.3	0.7	0.62	321
401431127	2013	9	30	2	V	1.6	0.6	0.62	254

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	9	30	3	V	1.1	0.6	0.52	287
401431127	2013	9	30	4	V	1.7	0.5	0.53	334
401431127	2013	9	30	5	V	1.8	0.5	0.65	270
401431127	2013	9	30	6	V	1.5	0.4	1.53	297
401431127	2013	9	30	7	V	1.6	1	0.58	253
401431127	2013	9	30	8	C	-999	1.4	0	0
401431127	2013	9	30	9	V	2.2	1.4	0.67	179
401431127	2013	9	30	10	V	1.7	0.8	1.26	162
401431127	2013	9	30	11	V	2.7	0.4	2.57	160
401431127	2013	9	30	12	V	2.8	0.5	2.44	166
401431127	2013	9	30	13	V	5.3	0.7	2.5	168
401431127	2013	9	30	14	V	2.9	0.7	3.68	165
401431127	2013	9	30	15	V	2.2	0.7	3.91	167
401431127	2013	9	30	16	V	2.8	0.5	4.27	173
401431127	2013	9	30	17	V	4.2	0.5	4	163
401431127	2013	9	30	18	V	4.0	0.5	2.95	165
401431127	2013	9	30	19	V	4.0	0.4	0.77	197
401431127	2013	9	30	20	V	2.7	0.4	0.63	235
401431127	2013	9	30	21	V	2.1	0.7	0.74	233
401431127	2013	9	30	22	V	2.3	0.6	0.63	254
401431127	2013	9	30	23	V	2.4	0.6	0.84	252
401431127	2013	9	30	24	V	6.4	0.9	0.92	205
401431127	2013	10	1	1	V	1.4	0.6	1.23	190
401431127	2013	10	1	2	V	1.5	0.5	1.64	177
401431127	2013	10	1	3	C	-999	0.4	0	0
401431127	2013	10	1	4	V	1.6	0.7	0.74	165
401431127	2013	10	1	5	V	6.4	0.5	0.86	208
401431127	2013	10	1	6	V	8.1	1	1.04	211
401431127	2013	10	1	7	V	1.5	1.7	1.28	173
401431127	2013	10	1	8	V	2.7	1.1	1.55	160
401431127	2013	10	1	9	V	1.6	0.3	2.18	161
401431127	2013	10	1	10	V	1.4	0.2	4.34	174
401431127	2013	10	1	11	V	2.6	0.2	5.31	175
401431127	2013	10	1	12	V	2.7	0.2	5.41	174
401431127	2013	10	1	13	V	5.2	0.2	4.85	168
401431127	2013	10	1	14	V	2.9	0.2	4.42	169
401431127	2013	10	1	15	V	2.2	0.2	4.66	161
401431127	2013	10	1	16	V	2.8	0.2	4.48	165
401431127	2013	10	1	17	V	4.2	0.2	3.97	175
401431127	2013	10	1	18	V	4.0	0.2	3.34	166
401431127	2013	10	1	19	V	2.2	0.2	2.54	145
401431127	2013	10	1	20	V	2.6	0.2	2.91	149
401431127	2013	10	1	21	V	2.0	0.2	2.16	152
401431127	2013	10	1	22	V	2.2	0.1	2.23	162
401431127	2013	10	1	23	V	2.3	0.1	2.18	178
401431127	2013	10	1	24	V	1.9	0.2	1.57	157

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	2	1	V	1.3	0.1	1.57	130
401431127	2013	10	2	2	V	1.6	0.2	1.52	144
401431127	2013	10	2	3	V	1.1	0.2	0.57	161
401431127	2013	10	2	4	C	-999	0.2	0	0
401431127	2013	10	2	5	V	1.7	0.5	1.6	155
401431127	2013	10	2	6	V	1.5	0.2	2.2	147
401431127	2013	10	2	7	V	1.5	0.2	2.35	167
401431127	2013	10	2	8	V	2.7	0.2	2.44	167
401431127	2013	10	2	9	V	1.5	0.3	3.1	170
401431127	2013	10	2	10	V	1.5	0.2	4.17	170
401431127	2013	10	2	11	V	2.7	0.2	4.65	185
401431127	2013	10	2	12	V	2.7	0.2	4.9	182
401431127	2013	10	2	13	V	5.2	0.2	5.41	179
401431127	2013	10	2	14	V	2.9	0.3	6.01	177
401431127	2013	10	2	15	V	2.2	0.3	5.79	176
401431127	2013	10	2	16	V	2.8	0.3	5.97	175
401431127	2013	10	2	17	V	4.2	0.2	5.04	169
401431127	2013	10	2	18	V	4.0	0.2	3.97	169
401431127	2013	10	2	19	V	2.2	0.4	2.44	160
401431127	2013	10	2	20	V	2.6	0.3	3.18	150
401431127	2013	10	2	21	V	2.0	0.2	3.63	159
401431127	2013	10	2	22	V	2.2	0.3	3.88	168
401431127	2013	10	2	23	V	2.3	0.2	4.09	166
401431127	2013	10	2	24	V	1.9	0.3	3.61	167
401431127	2013	10	3	1	V	1.2	0.2	2.93	176
401431127	2013	10	3	2	V	1.5	0.2	3.52	170
401431127	2013	10	3	3	V	0.9	0.3	3	176
401431127	2013	10	3	4	V	1.5	0.2	2.59	176
401431127	2013	10	3	5	V	1.7	0.3	2.66	170
401431127	2013	10	3	6	V	1.4	0.3	2.93	167
401431127	2013	10	3	7	V	1.5	0.3	3.52	171
401431127	2013	10	3	8	V	2.6	0.3	4.61	176
401431127	2013	10	3	9	V	1.5	0.4	5.45	185
401431127	2013	10	3	10	V	1.4	0.4	5.7	182
401431127	2013	10	3	11	V	2.6	0.3	6.86	186
401431127	2013	10	3	12	V	2.7	0.3	6.79	176
401431127	2013	10	3	13	V	5.2	0.2	6.4	172
401431127	2013	10	3	14	V	2.9	0.3	6.72	176
401431127	2013	10	3	15	V	2.2	0.3	6.5	172
401431127	2013	10	3	16	V	2.8	0.3	6.81	168
401431127	2013	10	3	17	V	4.2	0.3	6.55	168
401431127	2013	10	3	18	V	4.0	0.3	5.77	167
401431127	2013	10	3	19	V	2.2	0.3	4.88	169
401431127	2013	10	3	20	V	2.5	0.3	4.73	165
401431127	2013	10	3	21	V	2.0	0.2	4.1	167
401431127	2013	10	3	22	V	2.2	0.3	3.83	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	3	23	V	2.3	0.3	3.41	167
401431127	2013	10	3	24	V	1.9	0.3	4.05	169
401431127	2013	10	4	1	V	1.2	0.3	4.09	164
401431127	2013	10	4	2	V	1.5	0.3	4	166
401431127	2013	10	4	3	V	0.9	0.3	4.46	167
401431127	2013	10	4	4	V	1.5	0.3	4.42	167
401431127	2013	10	4	5	V	1.7	0.3	4.31	168
401431127	2013	10	4	6	V	1.4	0.3	4.1	175
401431127	2013	10	4	7	V	1.5	0.3	3.98	171
401431127	2013	10	4	8	V	2.6	0.3	4.51	178
401431127	2013	10	4	9	V	1.5	0.3	6.36	187
401431127	2013	10	4	10	V	1.4	0.3	7.49	186
401431127	2013	10	4	11	V	2.6	0.3	6.99	189
401431127	2013	10	4	12	V	2.7	0.3	8.34	188
401431127	2013	10	4	13	V	5.2	0.3	7.55	184
401431127	2013	10	4	14	V	2.9	0.3	7.96	188
401431127	2013	10	4	15	V	2.2	0.3	6.67	183
401431127	2013	10	4	16	V	2.8	0.3	6.6	179
401431127	2013	10	4	17	V	4.2	0.3	6.4	176
401431127	2013	10	4	18	V	4.0	0.3	5.78	161
401431127	2013	10	4	19	V	2.2	0.3	3.88	164
401431127	2013	10	4	20	V	2.5	0.3	4.46	148
401431127	2013	10	4	21	V	2.0	0.3	4.36	155
401431127	2013	10	4	22	V	2.2	0.3	3.35	176
401431127	2013	10	4	23	V	2.3	0.3	1.74	181
401431127	2013	10	4	24	V	1.9	0.3	2.81	152
401431127	2013	10	5	1	V	1.2	0.3	3.3	293
401431127	2013	10	5	2	V	1.5	0.3	1.69	318
401431127	2013	10	5	3	V	1.0	0.3	3.81	338
401431127	2013	10	5	4	V	1.5	0.2	4.53	344
401431127	2013	10	5	5	V	1.7	0.2	3.98	346
401431127	2013	10	5	6	V	1.5	0.2	2.66	340
401431127	2013	10	5	7	V	1.5	0.2	2.44	337
401431127	2013	10	5	8	V	2.7	0.2	2.35	335
401431127	2013	10	5	9	V	1.5	0.2	3	332
401431127	2013	10	5	10	V	1.5	0.3	2.5	344
401431127	2013	10	5	11	V	2.6	0.3	3.22	337
401431127	2013	10	5	12	V	2.7	0.3	3.07	333
401431127	2013	10	5	13	V	5.3	0.3	2.79	328
401431127	2013	10	5	14	V	2.9	0.3	2.91	322
401431127	2013	10	5	15	V	2.2	0.3	2.59	320
401431127	2013	10	5	16	V	2.9	0.3	2.91	317
401431127	2013	10	5	17	V	4.2	0.2	2.2	291
401431127	2013	10	5	18	V	4.0	0.3	1.55	297
401431127	2013	10	5	19	V	2.3	0.3	0.91	253
401431127	2013	10	5	20	V	2.6	0.3	0.97	267

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	5	21	V	2.0	0.5	1.48	255
401431127	2013	10	5	22	V	2.2	0.3	1.42	247
401431127	2013	10	5	23	C	-999	0.4	0	0
401431127	2013	10	5	24	V	4.8	0.3	0.53	206
401431127	2013	10	6	1	V	1.3	0.2	0.94	264
401431127	2013	10	6	2	V	1.6	0.2	1.11	262
401431127	2013	10	6	3	V	1.0	0.3	1.33	269
401431127	2013	10	6	4	V	1.5	0.2	1.11	261
401431127	2013	10	6	5	V	1.7	0.3	1.35	256
401431127	2013	10	6	6	V	1.5	0.3	1.33	280
401431127	2013	10	6	7	V	1.5	0.3	0.91	234
401431127	2013	10	6	8	V	2.7	0.4	1.45	272
401431127	2013	10	6	9	V	1.5	0.4	3.35	314
401431127	2013	10	6	10	V	1.4	0.5	3.69	313
401431127	2013	10	6	11	V	2.6	0.4	4	307
401431127	2013	10	6	12	V	2.7	0.3	3.64	300
401431127	2013	10	6	13	V	5.2	0.3	3.85	301
401431127	2013	10	6	14	V	2.9	0.3	3.66	292
401431127	2013	10	6	15	V	2.2	0.4	3.73	291
401431127	2013	10	6	16	V	2.8	0.4	3.49	298
401431127	2013	10	6	17	V	4.2	0.4	2.78	293
401431127	2013	10	6	18	V	4.0	0.5	1.64	293
401431127	2013	10	6	19	V	2.3	0.5	0.94	255
401431127	2013	10	6	20	V	2.6	0.6	0.8	276
401431127	2013	10	6	21	C	-999	0.5	0	0
401431127	2013	10	6	22	V	2.4	0.6	0.53	289
401431127	2013	10	6	23	V	2.4	0.6	1.01	253
401431127	2013	10	6	24	V	2.0	0.3	0.6	165
401431127	2013	10	7	1	V	1.3	0.3	0.89	322
401431127	2013	10	7	2	V	2.4	0.4	1.09	220
401431127	2013	10	7	3	V	1.1	0.2	0.69	246
401431127	2013	10	7	4	C	-999	0.2	0	0
401431127	2013	10	7	5	C	-999	0.3	0	0
401431127	2013	10	7	6	V	1.7	0.9	0.58	230
401431127	2013	10	7	7	V	1.7	0.9	0.62	234
401431127	2013	10	7	8	V	3.1	1.8	0.82	25
401431127	2013	10	7	9	V	1.7	0.3	1.5	348
401431127	2013	10	7	10	V	1.5	0.4	2.25	9
401431127	2013	10	7	11	V	2.7	0.5	1.82	5
401431127	2013	10	7	12	V	2.7	0.4	2.06	14
401431127	2013	10	7	13	V	5.6	0.3	2.72	33
401431127	2013	10	7	14	V	3.5	0.4	1.86	53
401431127	2013	10	7	15	V	2.7	0.4	1.6	42
401431127	2013	10	7	16	V	3.2	0.5	1.5	33
401431127	2013	10	7	17	V	4.6	0.8	1.06	40
401431127	2013	10	7	18	C	-999	0.9	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	7	19	V	2.3	0.8	0.7	280
401431127	2013	10	7	20	V	2.7	1.2	0.53	272
401431127	2013	10	7	21	V	2.2	1.1	0.62	259
401431127	2013	10	7	22	V	2.4	0.6	0.53	252
401431127	2013	10	7	23	C	-999	0.9	0	0
401431127	2013	10	7	24	C	-999	1.1	0	0
401431127	2013	10	8	1	C	-999	0.9	0	0
401431127	2013	10	8	2	C	-999	0.8	0	0
401431127	2013	10	8	3	C	-999	0.7	0	0
401431127	2013	10	8	4	C	-999	0.8	0	0
401431127	2013	10	8	5	V	1.8	0.8	0.65	238
401431127	2013	10	8	6	V	1.5	0.8	0.8	250
401431127	2013	10	8	7	C	-999	1.4	0	0
401431127	2013	10	8	8	V	6.2	2	1.04	205
401431127	2013	10	8	9	V	1.6	0.4	2.74	156
401431127	2013	10	8	10	V	1.4	0.3	4.37	164
401431127	2013	10	8	11	V	2.6	0.3	5.44	166
401431127	2013	10	8	12	V	2.7	0.4	4.71	165
401431127	2013	10	8	13	V	5.3	0.4	4.44	169
401431127	2013	10	8	14	V	2.9	0.3	4.41	166
401431127	2013	10	8	15	V	2.2	0.3	4.25	168
401431127	2013	10	8	16	V	2.8	0.3	4.46	150
401431127	2013	10	8	17	V	4.2	0.4	4.17	157
401431127	2013	10	8	18	V	4.0	0.4	3.1	153
401431127	2013	10	8	19	V	2.2	0.4	2.28	135
401431127	2013	10	8	20	V	2.6	0.4	2.44	139
401431127	2013	10	8	21	V	2.0	0.4	2.13	141
401431127	2013	10	8	22	V	2.2	0.5	1.76	146
401431127	2013	10	8	23	V	2.4	0.5	1.2	189
401431127	2013	10	8	24	V	1.9	0.5	1.62	161
401431127	2013	10	9	1	V	1.2	0.4	1.93	169
401431127	2013	10	9	2	V	1.6	0.3	1.35	189
401431127	2013	10	9	3	V	7.2	0.4	1.88	213
401431127	2013	10	9	4	V	1.7	0.4	1.52	193
401431127	2013	10	9	5	V	1.8	0.6	0.63	250
401431127	2013	10	9	6	V	1.6	0.9	0.75	187
401431127	2013	10	9	7	V	1.6	1.4	0.6	240
401431127	2013	10	9	8	V	2.9	1.8	1.13	170
401431127	2013	10	9	9	V	1.6	0.7	3.13	163
401431127	2013	10	9	10	V	1.4	0.9	4.82	168
401431127	2013	10	9	11	V	2.6	1	4.54	168
401431127	2013	10	9	12	V	2.7	1.3	4.34	181
401431127	2013	10	9	13	V	5.3	1.6	3.97	180
401431127	2013	10	9	14	V	2.9	2	3.64	167
401431127	2013	10	9	15	V	2.2	2	3.81	162
401431127	2013	10	9	16	V	2.8	1.7	3.97	159

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	9	17	V	4.2	1.4	3.86	151
401431127	2013	10	9	18	V	4.0	1.3	3.25	145
401431127	2013	10	9	19	V	2.2	1	2.1	147
401431127	2013	10	9	20	V	2.6	0.7	2.74	139
401431127	2013	10	9	21	V	2.0	0.7	1.82	151
401431127	2013	10	9	22	V	2.3	0.8	1.2	153
401431127	2013	10	9	23	V	6.1	0.6	1.26	202
401431127	2013	10	9	24	V	2.5	0.4	0.84	222
401431127	2013	10	10	1	C	-999	0.3	0	0
401431127	2013	10	10	2	C	-999	0.4	0	0
401431127	2013	10	10	3	V	1.1	0.3	0.57	156
401431127	2013	10	10	4	C	-999	0.4	0	0
401431127	2013	10	10	5	V	1.8	0.7	0.65	86
401431127	2013	10	10	6	V	1.5	0.8	1.62	155
401431127	2013	10	10	7	V	1.8	1	0.63	189
401431127	2013	10	10	8	V	3.0	2.1	1.21	184
401431127	2013	10	10	9	V	1.5	0.6	3.04	171
401431127	2013	10	10	10	V	1.5	0.8	3.72	164
401431127	2013	10	10	11	V	2.6	0.7	4.85	175
401431127	2013	10	10	12	V	2.7	1	5.27	177
401431127	2013	10	10	13	V	5.2	-999	4.77	170
401431127	2013	10	10	14	V	2.9	1.1	5.9	172
401431127	2013	10	10	15	V	2.2	1	5.89	163
401431127	2013	10	10	16	V	2.8	0.9	5.77	161
401431127	2013	10	10	17	V	4.2	0.9	5.62	165
401431127	2013	10	10	18	V	4.0	1	4.54	164
401431127	2013	10	10	19	V	2.2	0.9	3.34	157
401431127	2013	10	10	20	V	2.5	0.9	3.27	159
401431127	2013	10	10	21	V	2.0	0.8	3.03	156
401431127	2013	10	10	22	V	2.2	0.7	4.12	166
401431127	2013	10	10	23	V	2.3	0.7	4.9	166
401431127	2013	10	10	24	V	1.9	0.7	4.76	172
401431127	2013	10	11	1	V	1.2	0.7	3.81	174
401431127	2013	10	11	2	V	1.5	0.6	3.17	175
401431127	2013	10	11	3	V	1.0	0.6	2.35	172
401431127	2013	10	11	4	V	1.5	0.6	1.76	177
401431127	2013	10	11	5	V	1.7	0.6	2.08	174
401431127	2013	10	11	6	V	1.4	0.6	3.42	169
401431127	2013	10	11	7	V	1.5	0.5	3.97	171
401431127	2013	10	11	8	V	2.7	0.5	3.49	166
401431127	2013	10	11	9	V	1.5	0.5	4.93	178
401431127	2013	10	11	10	V	1.4	0.5	5.99	187
401431127	2013	10	11	11	V	2.7	0.4	7.38	191
401431127	2013	10	11	12	V	2.7	0.3	7.01	189
401431127	2013	10	11	13	V	5.2	0.3	6.07	189
401431127	2013	10	11	14	V	2.9	0.4	5.97	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	11	15	V	2.2	0.4	6.4	184
401431127	2013	10	11	16	V	2.8	0.4	5.97	176
401431127	2013	10	11	17	V	4.2	0.4	5.58	174
401431127	2013	10	11	18	V	4.0	0.4	4.54	171
401431127	2013	10	11	19	V	2.2	0.4	4.17	162
401431127	2013	10	11	20	V	2.5	0.3	4.27	160
401431127	2013	10	11	21	V	2.0	0.3	3.34	169
401431127	2013	10	11	22	V	2.2	0.4	3.32	171
401431127	2013	10	11	23	V	2.3	0.3	2.59	169
401431127	2013	10	11	24	V	1.9	0.3	1.79	156
401431127	2013	10	12	1	V	1.3	0.3	1.54	154
401431127	2013	10	12	2	V	1.6	0.3	0.86	180
401431127	2013	10	12	3	V	1.0	0.4	1.59	186
401431127	2013	10	12	4	V	1.5	0.4	2.2	307
401431127	2013	10	12	5	V	1.7	0.4	4.17	354
401431127	2013	10	12	6	V	1.5	0.3	4.36	7
401431127	2013	10	12	7	V	1.5	0.3	6.26	17
401431127	2013	10	12	8	V	2.6	0.4	4.56	18
401431127	2013	10	12	9	V	1.5	0.5	3.78	9
401431127	2013	10	12	10	V	1.4	0.6	5.16	20
401431127	2013	10	12	11	V	2.7	0.5	5.73	34
401431127	2013	10	12	12	V	2.7	0.5	5.67	29
401431127	2013	10	12	13	V	5.2	0.5	6.35	31
401431127	2013	10	12	14	V	2.9	0.6	5.55	31
401431127	2013	10	12	15	V	2.2	0.8	5.48	25
401431127	2013	10	12	16	V	2.8	1.2	5.33	22
401431127	2013	10	12	17	V	4.2	0.8	5.38	22
401431127	2013	10	12	18	V	4.0	1.2	3.92	25
401431127	2013	10	12	19	V	2.2	0.7	2.59	22
401431127	2013	10	12	20	V	2.6	0.5	2.42	16
401431127	2013	10	12	21	V	2.0	0.5	3.01	28
401431127	2013	10	12	22	V	2.2	0.3	3.2	30
401431127	2013	10	12	23	V	2.3	0.3	3.92	33
401431127	2013	10	12	24	V	1.9	0.3	3.37	24
401431127	2013	10	13	1	V	1.2	0.3	2.98	21
401431127	2013	10	13	2	V	1.5	0.3	3.06	22
401431127	2013	10	13	3	V	1.0	0.3	2.96	23
401431127	2013	10	13	4	V	3.6	0.3	3.64	47
401431127	2013	10	13	5	V	2.5	0.3	4.14	53
401431127	2013	10	13	6	V	3.6	0.3	4.29	46
401431127	2013	10	13	7	V	1.9	0.3	3.61	39
401431127	2013	10	13	8	V	4.9	0.3	3.76	47
401431127	2013	10	13	9	V	2.8	0.5	3.44	55
401431127	2013	10	13	10	V	1.7	0.5	3.78	60
401431127	2013	10	13	11	V	2.7	0.6	3.66	69
401431127	2013	10	13	12	V	2.7	0.9	3.41	86

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	13	13	V	5.3	1.2	3.27	75
401431127	2013	10	13	14	V	2.9	1	3.3	81
401431127	2013	10	13	15	V	2.2	0.8	2.76	83
401431127	2013	10	13	16	V	2.9	0.7	3.29	83
401431127	2013	10	13	17	V	4.2	0.6	2.98	83
401431127	2013	10	13	18	V	4.0	0.7	2.54	63
401431127	2013	10	13	19	V	3.2	0.6	3.64	53
401431127	2013	10	13	20	V	2.6	0.5	3.25	67
401431127	2013	10	13	21	V	2.0	0.5	3.32	71
401431127	2013	10	13	22	V	2.2	0.8	1.89	89
401431127	2013	10	13	23	V	2.3	1	2.42	73
401431127	2013	10	13	24	V	1.9	0.9	2.42	97
401431127	2013	10	14	1	V	1.2	0.6	2.69	113
401431127	2013	10	14	2	V	1.5	0.5	3.51	124
401431127	2013	10	14	3	V	0.9	0.6	4.17	130
401431127	2013	10	14	4	V	1.5	0.7	4.73	130
401431127	2013	10	14	5	V	1.7	1.8	3.68	131
401431127	2013	10	14	6	V	1.5	1.3	2.98	127
401431127	2013	10	14	7	V	1.5	0.9	3.46	133
401431127	2013	10	14	8	V	2.7	0.7	2.72	133
401431127	2013	10	14	9	V	1.5	0.6	3.08	139
401431127	2013	10	14	10	V	1.5	0.4	3.29	133
401431127	2013	10	14	11	V	2.7	0.4	3.1	137
401431127	2013	10	14	12	V	2.7	0.4	2.81	140
401431127	2013	10	14	13	V	5.3	0.4	3.3	143
401431127	2013	10	14	14	V	2.9	0.4	3.47	152
401431127	2013	10	14	15	V	2.2	0.4	3.97	136
401431127	2013	10	14	16	V	2.8	0.4	3.8	141
401431127	2013	10	14	17	V	4.2	0.4	3.92	162
401431127	2013	10	14	18	V	4.0	0.3	4.63	166
401431127	2013	10	14	19	V	2.2	0.3	4.63	162
401431127	2013	10	14	20	V	2.6	0.3	4.34	166
401431127	2013	10	14	21	V	2.0	0.3	4.83	168
401431127	2013	10	14	22	V	2.2	0.3	4.85	170
401431127	2013	10	14	23	V	2.3	0.3	5.31	168
401431127	2013	10	14	24	V	1.9	0.3	4.75	171
401431127	2013	10	15	1	V	1.2	0.3	4.83	170
401431127	2013	10	15	2	V	1.9	0.3	3.86	191
401431127	2013	10	15	3	V	1.0	0.3	1.93	229
401431127	2013	10	15	4	V	1.5	0.3	1.88	299
401431127	2013	10	15	5	V	1.7	0.3	3.56	354
401431127	2013	10	15	6	V	1.5	0.3	2.84	339
401431127	2013	10	15	7	V	1.5	0.3	3.44	342
401431127	2013	10	15	8	V	2.6	0.3	3.64	341
401431127	2013	10	15	9	V	1.5	0.3	4.17	353
401431127	2013	10	15	10	V	1.4	0.3	4.24	357

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	15	11	V	2.6	0.3	3.97	348
401431127	2013	10	15	12	V	2.7	0.3	3.54	338
401431127	2013	10	15	13	V	5.3	0.3	3	337
401431127	2013	10	15	14	V	2.9	0.3	3.1	348
401431127	2013	10	15	15	V	2.2	0.3	3.22	356
401431127	2013	10	15	16	V	2.9	0.3	2.61	347
401431127	2013	10	15	17	V	4.2	0.3	2.04	346
401431127	2013	10	15	18	V	4.1	0.3	0.8	330
401431127	2013	10	15	19	V	2.3	0.5	0.57	306
401431127	2013	10	15	20	V	2.7	0.5	0.72	280
401431127	2013	10	15	21	V	2.1	0.4	0.8	284
401431127	2013	10	15	22	V	2.3	0.3	1.4	343
401431127	2013	10	15	23	V	2.3	0.3	1.88	338
401431127	2013	10	15	24	V	1.9	0.2	3.29	348
401431127	2013	10	16	1	V	1.2	0.2	3.73	359
401431127	2013	10	16	2	V	1.5	0.2	4.19	9
401431127	2013	10	16	3	V	1.0	0.2	3.88	9
401431127	2013	10	16	4	V	1.5	0.2	3.58	9
401431127	2013	10	16	5	V	1.7	0.2	2.62	8
401431127	2013	10	16	6	V	1.5	0.2	1.98	353
401431127	2013	10	16	7	V	1.5	0.2	1.77	339
401431127	2013	10	16	8	V	2.7	0.2	2.3	352
401431127	2013	10	16	9	V	1.5	0.2	4.03	14
401431127	2013	10	16	10	V	1.4	0.3	4.27	23
401431127	2013	10	16	11	V	2.7	0.3	3.44	23
401431127	2013	10	16	12	V	2.7	0.2	3.66	18
401431127	2013	10	16	13	V	5.3	0.3	3.59	25
401431127	2013	10	16	14	V	2.9	0.3	3.08	14
401431127	2013	10	16	15	V	2.2	0.3	2.23	347
401431127	2013	10	16	16	V	2.9	0.2	2.42	339
401431127	2013	10	16	17	V	4.2	0.3	2.79	332
401431127	2013	10	16	18	V	4.0	0.2	3.22	313
401431127	2013	10	16	19	V	2.2	0.3	2.74	325
401431127	2013	10	16	20	V	2.6	0.3	1.7	331
401431127	2013	10	16	21	V	2.1	0.3	1.09	299
401431127	2013	10	16	22	V	2.3	0.2	1.28	241
401431127	2013	10	16	23	V	2.4	0.2	1.31	270
401431127	2013	10	16	24	V	2.0	0.2	0.94	272
401431127	2013	10	17	1	V	1.3	0.2	0.7	279
401431127	2013	10	17	2	V	1.6	0.2	0.7	251
401431127	2013	10	17	3	V	1.0	0.2	0.75	235
401431127	2013	10	17	4	C	-999	0.2	0	0
401431127	2013	10	17	5	V	1.8	0.4	0.63	244
401431127	2013	10	17	6	V	4.3	0.4	1.06	201
401431127	2013	10	17	7	C	-999	0.4	0	0
401431127	2013	10	17	8	V	3.6	0.5	0.79	191

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	17	9	V	5.1	0.4	1.43	206
401431127	2013	10	17	10	V	3.2	0.3	1.98	215
401431127	2013	10	17	11	V	4.3	0.3	2.84	203
401431127	2013	10	17	12	V	4.0	0.3	2.67	211
401431127	2013	10	17	13	V	6.4	0.3	2.64	202
401431127	2013	10	17	14	V	3.3	0.3	2.79	222
401431127	2013	10	17	15	V	2.7	0.4	3.01	214
401431127	2013	10	17	16	V	3.2	0.4	2.67	219
401431127	2013	10	17	17	V	4.9	0.6	2.37	211
401431127	2013	10	17	18	V	4.1	0.5	0.91	231
401431127	2013	10	17	19	V	2.3	0.6	0.77	286
401431127	2013	10	17	20	V	2.7	0.8	0.57	283
401431127	2013	10	17	21	C	-999	1.1	0	0
401431127	2013	10	17	22	V	2.4	1.2	0.53	267
401431127	2013	10	17	23	V	2.5	1.3	0.57	261
401431127	2013	10	17	24	C	-999	1.1	0	0
401431127	2013	10	18	1	C	-999	1	0	0
401431127	2013	10	18	2	V	1.6	0.8	0.82	272
401431127	2013	10	18	3	V	1.0	0.3	3.71	4
401431127	2013	10	18	4	V	1.5	0.2	5.05	19
401431127	2013	10	18	5	V	1.7	0.2	3.18	19
401431127	2013	10	18	6	V	1.5	0.2	3.03	21
401431127	2013	10	18	7	V	1.5	0.3	3.3	25
401431127	2013	10	18	8	V	2.7	0.3	3.85	33
401431127	2013	10	18	9	V	2.2	0.4	4.82	40
401431127	2013	10	18	10	V	1.5	0.6	4.85	34
401431127	2013	10	18	11	V	3.4	1.4	4.19	39
401431127	2013	10	18	12	V	2.7	0.8	3.59	22
401431127	2013	10	18	13	V	5.2	0.5	3.64	7
401431127	2013	10	18	14	V	2.9	0.4	4.87	15
401431127	2013	10	18	15	V	2.2	0.4	4.17	12
401431127	2013	10	18	16	V	2.8	0.3	5.12	360
401431127	2013	10	18	17	V	4.2	0.2	4.32	2
401431127	2013	10	18	18	V	4.0	0.3	5.14	7
401431127	2013	10	18	19	V	2.2	0.2	3.91	359
401431127	2013	10	18	20	V	2.6	0.2	2.9	348
401431127	2013	10	18	21	V	2.0	0.2	3.25	342
401431127	2013	10	18	22	V	2.2	0.2	2.74	341
401431127	2013	10	18	23	V	2.3	0.2	2.55	329
401431127	2013	10	18	24	V	1.9	0.2	2.95	336
401431127	2013	10	19	1	V	1.2	0.2	2.49	330
401431127	2013	10	19	2	V	1.5	0.2	1.31	296
401431127	2013	10	19	3	V	1.0	0.2	1.01	260
401431127	2013	10	19	4	V	1.6	0.2	0.86	237
401431127	2013	10	19	5	V	1.8	0.2	0.72	238
401431127	2013	10	19	6	V	6.0	0.2	0.99	213

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	19	7	V	1.6	0.2	0.84	241
401431127	2013	10	19	8	V	2.9	0.2	1.47	231
401431127	2013	10	19	9	V	1.9	0.2	2.25	226
401431127	2013	10	19	10	V	2.5	0.3	1.89	222
401431127	2013	10	19	11	V	3.3	0.4	2.33	222
401431127	2013	10	19	12	V	3.6	0.5	2.4	219
401431127	2013	10	19	13	V	5.3	0.5	2.28	249
401431127	2013	10	19	14	V	3.1	0.4	2.37	229
401431127	2013	10	19	15	V	2.3	0.8	2.69	233
401431127	2013	10	19	16	V	2.9	0.3	2.76	231
401431127	2013	10	19	17	V	4.8	0.3	3.18	215
401431127	2013	10	19	18	V	10.6	0.4	1.81	212
401431127	2013	10	19	19	V	4.7	0.6	1.09	217
401431127	2013	10	19	20	V	10.5	0.8	1.37	209
401431127	2013	10	19	21	V	3.3	0.5	1.16	198
401431127	2013	10	19	22	V	2.3	0.6	1.3	188
401431127	2013	10	19	23	V	2.7	0.9	0.52	189
401431127	2013	10	19	24	C	-999	1.2	0	0
401431127	2013	10	20	1	C	-999	0.9	0	0
401431127	2013	10	20	2	C	-999	0.5	0	0
401431127	2013	10	20	3	C	-999	0.4	0	0
401431127	2013	10	20	4	C	-999	0.5	0	0
401431127	2013	10	20	5	C	-999	0.4	0	0
401431127	2013	10	20	6	V	1.7	0.4	1.03	192
401431127	2013	10	20	7	V	1.6	0.4	1.03	186
401431127	2013	10	20	8	V	2.7	0.6	1.65	175
401431127	2013	10	20	9	V	1.6	1.7	3.08	182
401431127	2013	10	20	10	V	1.5	1.2	4.66	189
401431127	2013	10	20	11	V	2.7	0.7	6.13	195
401431127	2013	10	20	12	V	2.8	0.6	6.84	196
401431127	2013	10	20	13	V	5.2	0.4	6.96	187
401431127	2013	10	20	14	V	2.9	0.4	6.23	182
401431127	2013	10	20	15	V	2.2	0.4	6.19	178
401431127	2013	10	20	16	V	2.8	0.6	6.06	179
401431127	2013	10	20	17	V	4.2	0.7	5.09	174
401431127	2013	10	20	18	V	4.0	0.6	3.22	169
401431127	2013	10	20	19	V	2.2	0.6	1.99	180
401431127	2013	10	20	20	V	3.8	0.7	1.25	198
401431127	2013	10	20	21	C	-999	0.8	0	0
401431127	2013	10	20	22	V	2.4	0.6	0.53	278
401431127	2013	10	20	23	V	5.1	1.8	0.89	216
401431127	2013	10	20	24	V	2.0	1.9	1.18	183
401431127	2013	10	21	1	V	4.1	1.4	1.06	201
401431127	2013	10	21	2	C	-999	0.9	0	0
401431127	2013	10	21	3	C	-999	0.6	0	0
401431127	2013	10	21	4	V	1.7	0.4	0.52	297

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	21	5	V	1.8	0.4	1.06	321
401431127	2013	10	21	6	V	1.5	0.5	2.28	9
401431127	2013	10	21	7	V	1.5	0.3	1.13	17
401431127	2013	10	21	8	V	2.7	0.4	4.19	12
401431127	2013	10	21	9	V	1.5	0.5	4.56	17
401431127	2013	10	21	10	V	1.4	0.5	5.31	15
401431127	2013	10	21	11	V	2.6	0.6	6.45	22
401431127	2013	10	21	12	V	2.7	0.9	4.63	19
401431127	2013	10	21	13	V	5.2	0.5	3.91	18
401431127	2013	10	21	14	V	2.9	0.5	4.58	22
401431127	2013	10	21	15	V	2.2	0.5	3.37	10
401431127	2013	10	21	16	V	2.9	0.5	3.3	9
401431127	2013	10	21	17	V	4.2	0.4	1.93	4
401431127	2013	10	21	18	V	4.0	0.4	1.4	349
401431127	2013	10	21	19	V	2.3	0.6	1.09	310
401431127	2013	10	21	20	V	2.7	0.9	0.62	253
401431127	2013	10	21	21	V	2.1	1.3	0.72	237
401431127	2013	10	21	22	V	4.4	1.2	0.57	216
401431127	2013	10	21	23	V	4.1	1	0.87	218
401431127	2013	10	21	24	V	2.0	1	0.94	231
401431127	2013	10	22	1	V	5.2	1	0.79	211
401431127	2013	10	22	2	V	4.6	0.6	0.65	213
401431127	2013	10	22	3	V	5.5	0.5	0.86	209
401431127	2013	10	22	4	V	5.6	0.3	0.77	207
401431127	2013	10	22	5	V	6.0	0.3	0.87	212
401431127	2013	10	22	6	V	4.7	0.2	0.96	202
401431127	2013	10	22	7	V	4.5	0.4	1.38	216
401431127	2013	10	22	8	V	4.1	0.3	2.1	217
401431127	2013	10	22	9	V	1.8	-999	2.64	225
401431127	2013	10	22	10	V	1.5	-999	3.17	238
401431127	2013	10	22	11	V	2.7	-999	3.19	263
401431127	2013	10	22	12	V	2.7	-999	3.04	263
401431127	2013	10	22	13	V	5.3	-999	2.76	274
401431127	2013	10	22	14	V	2.9	-999	3.17	316
401431127	2013	10	22	15	V	2.2	-999	3.05	303
401431127	2013	10	22	16	V	2.9	0.4	2.81	292
401431127	2013	10	22	17	V	4.2	0.3	1.98	290
401431127	2013	10	22	18	V	4.1	0.4	1.09	276
401431127	2013	10	22	19	V	2.3	0.6	0.89	293
401431127	2013	10	22	20	V	2.6	0.9	1.28	320
401431127	2013	10	22	21	V	2.0	0.6	2.64	360
401431127	2013	10	22	22	V	2.3	0.8	1.57	11
401431127	2013	10	22	23	V	2.4	0.7	1.48	1
401431127	2013	10	22	24	V	1.9	0.8	1.6	1
401431127	2013	10	23	1	V	1.2	0.7	1.91	359
401431127	2013	10	23	2	V	1.6	0.3	1.5	326

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	23	3	V	1.0	0.3	2.45	26
401431127	2013	10	23	4	V	1.6	0.2	1.18	359
401431127	2013	10	23	5	V	1.8	0.3	1.11	7
401431127	2013	10	23	6	V	1.6	0.5	0.97	348
401431127	2013	10	23	7	V	1.6	1	1.08	335
401431127	2013	10	23	8	V	10.3	1.2	1.35	45
401431127	2013	10	23	9	V	5.0	0.5	2.45	41
401431127	2013	10	23	10	V	1.6	0.7	2.45	81
401431127	2013	10	23	11	V	2.8	0.9	2.08	95
401431127	2013	10	23	12	V	2.8	0.7	2.27	106
401431127	2013	10	23	13	V	5.3	0.8	2.79	131
401431127	2013	10	23	14	V	3.0	1.1	3.08	144
401431127	2013	10	23	15	V	2.2	1.1	3.78	156
401431127	2013	10	23	16	V	2.8	0.9	4.53	170
401431127	2013	10	23	17	V	4.2	0.9	3.92	181
401431127	2013	10	23	18	V	4.1	0.7	1.04	242
401431127	2013	10	23	19	V	2.3	0.8	0.77	337
401431127	2013	10	23	20	V	2.6	1	1.35	9
401431127	2013	10	23	21	V	2.2	0.8	0.65	329
401431127	2013	10	23	22	V	2.2	0.8	1.94	12
401431127	2013	10	23	23	V	2.4	0.9	0.91	296
401431127	2013	10	23	24	V	2.0	0.7	0.99	356
401431127	2013	10	24	1	V	1.3	0.7	0.79	339
401431127	2013	10	24	2	V	1.7	0.6	0.65	247
401431127	2013	10	24	3	V	1.1	0.6	0.58	284
401431127	2013	10	24	4	V	1.5	0.4	1.74	355
401431127	2013	10	24	5	V	1.7	0.2	4.49	14
401431127	2013	10	24	6	V	1.5	0.2	5.02	17
401431127	2013	10	24	7	V	1.5	0.3	4.85	21
401431127	2013	10	24	8	V	2.7	0.3	3.69	28
401431127	2013	10	24	9	V	1.5	0.7	5.45	30
401431127	2013	10	24	10	V	1.4	0.8	6.6	27
401431127	2013	10	24	11	V	2.6	-999	6.77	30
401431127	2013	10	24	12	V	2.7	-999	5.95	20
401431127	2013	10	24	13	V	5.2	0.5	5.58	27
401431127	2013	10	24	14	V	3.0	0.6	5.11	32
401431127	2013	10	24	15	V	2.2	0.8	4.99	27
401431127	2013	10	24	16	V	2.9	0.4	4.65	32
401431127	2013	10	24	17	V	4.2	0.3	4.17	34
401431127	2013	10	24	18	V	4.0	0.4	3.73	34
401431127	2013	10	24	19	V	2.2	0.6	2.18	25
401431127	2013	10	24	20	V	2.6	0.4	1.79	19
401431127	2013	10	24	21	V	2.1	0.3	1.6	15
401431127	2013	10	24	22	V	2.3	0.6	1.72	22
401431127	2013	10	24	23	V	2.3	0.5	2.23	24
401431127	2013	10	24	24	V	1.9	0.4	1.72	23

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	25	1	V	1.3	0.3	1.55	10
401431127	2013	10	25	2	V	1.6	0.3	1.64	9
401431127	2013	10	25	3	V	1.0	0.3	1.7	12
401431127	2013	10	25	4	V	1.5	0.2	1.82	15
401431127	2013	10	25	5	V	1.7	0.3	1.87	15
401431127	2013	10	25	6	V	1.5	0.6	1.54	15
401431127	2013	10	25	7	V	5.7	1	0.96	43
401431127	2013	10	25	8	V	2.7	1.6	1.91	113
401431127	2013	10	25	9	V	1.6	0.8	3.27	137
401431127	2013	10	25	10	V	1.5	0.7	4.44	139
401431127	2013	10	25	11	V	2.7	0.4	4.24	148
401431127	2013	10	25	12	V	2.7	0.3	4.05	147
401431127	2013	10	25	13	V	5.3	0.3	3.69	164
401431127	2013	10	25	14	V	2.9	0.3	3.56	147
401431127	2013	10	25	15	V	2.2	0.3	3.8	159
401431127	2013	10	25	16	V	2.9	0.4	4.65	175
401431127	2013	10	25	17	V	4.2	0.7	4.65	170
401431127	2013	10	25	18	V	4.0	0.4	3.63	173
401431127	2013	10	25	19	V	2.2	0.4	2.49	185
401431127	2013	10	25	20	V	2.6	0.4	1.89	176
401431127	2013	10	25	21	V	2.1	0.3	1.84	177
401431127	2013	10	25	22	V	2.3	0.3	2.15	187
401431127	2013	10	25	23	V	2.6	0.3	1.14	192
401431127	2013	10	25	24	V	2.1	0.3	1.74	193
401431127	2013	10	26	1	V	1.3	0.4	1.88	175
401431127	2013	10	26	2	V	1.7	0.4	2.93	191
401431127	2013	10	26	3	V	8.8	0.4	1.94	206
401431127	2013	10	26	4	V	1.7	0.4	2.59	195
401431127	2013	10	26	5	V	1.8	0.4	2.1	190
401431127	2013	10	26	6	V	1.5	0.4	1.89	183
401431127	2013	10	26	7	V	1.6	0.4	1.93	192
401431127	2013	10	26	8	V	2.7	0.5	2.03	185
401431127	2013	10	26	9	V	1.7	0.5	3.47	192
401431127	2013	10	26	10	V	1.6	1.2	3.61	191
401431127	2013	10	26	11	V	2.7	1.4	3.25	186
401431127	2013	10	26	12	V	3.2	2.2	2.44	192
401431127	2013	10	26	13	V	6.0	1.9	3.05	216
401431127	2013	10	26	14	V	3.1	1.4	1.93	251
401431127	2013	10	26	15	V	2.3	1	2.83	11
401431127	2013	10	26	16	V	8.5	0.8	3.13	51
401431127	2013	10	26	17	V	4.3	0.9	2.04	167
401431127	2013	10	26	18	V	4.1	0.7	0.91	300
401431127	2013	10	26	19	V	2.4	0.6	0.74	262
401431127	2013	10	26	20	C	-999	0.5	0	0
401431127	2013	10	26	21	V	2.2	0.6	0.65	235
401431127	2013	10	26	22	V	2.4	0.7	0.53	334

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	26	23	V	2.5	0.7	0.79	245
401431127	2013	10	26	24	V	1.9	0.4	2.93	359
401431127	2013	10	27	1	V	1.2	0.3	2.76	6
401431127	2013	10	27	2	V	1.5	0.3	3.52	4
401431127	2013	10	27	3	V	1.0	0.3	3.18	8
401431127	2013	10	27	4	V	1.5	0.3	2.2	360
401431127	2013	10	27	5	V	1.8	0.3	1.64	356
401431127	2013	10	27	6	V	1.5	0.2	1.47	357
401431127	2013	10	27	7	V	1.7	0.3	0.55	295
401431127	2013	10	27	8	V	2.8	0.6	0.84	324
401431127	2013	10	27	9	V	2.4	0.6	1.3	25
401431127	2013	10	27	10	V	2.1	0.5	1.42	73
401431127	2013	10	27	11	V	3.3	0.6	0.92	176
401431127	2013	10	27	12	V	3.0	4.3	1.18	337
401431127	2013	10	27	13	V	5.4	4.7	1.71	272
401431127	2013	10	27	14	V	3.2	3.6	1.31	137
401431127	2013	10	27	15	V	2.5	2.2	1.69	185
401431127	2013	10	27	16	V	3.0	2.6	1.45	166
401431127	2013	10	27	17	V	4.6	1.8	2.05	196
401431127	2013	10	27	18	V	4.3	0.9	0.74	227
401431127	2013	10	27	19	C	-999	0.7	0	0
401431127	2013	10	27	20	V	2.7	1.1	0.67	265
401431127	2013	10	27	21	V	2.2	1.2	0.62	261
401431127	2013	10	27	22	V	4.4	1.2	0.65	217
401431127	2013	10	27	23	C	-999	1	0	0
401431127	2013	10	27	24	V	5.6	0.9	0.67	210
401431127	2013	10	28	1	V	3.0	0.4	3.17	198
401431127	2013	10	28	2	V	6.0	0.3	3.13	204
401431127	2013	10	28	3	V	3.0	0.3	2.95	199
401431127	2013	10	28	4	V	1.8	0.3	3	191
401431127	2013	10	28	5	V	1.9	0.3	1.99	192
401431127	2013	10	28	6	V	1.5	0.4	3.13	177
401431127	2013	10	28	7	V	1.5	0.4	2.79	175
401431127	2013	10	28	8	V	2.7	0.4	2.49	159
401431127	2013	10	28	9	V	1.5	0.3	3.3	165
401431127	2013	10	28	10	V	1.5	0.3	3.44	167
401431127	2013	10	28	11	V	2.7	0.3	3.64	167
401431127	2013	10	28	12	V	2.7	0.4	4	161
401431127	2013	10	28	13	V	5.3	0.4	3.91	163
401431127	2013	10	28	14	V	2.9	0.4	4.44	137
401431127	2013	10	28	15	V	2.2	0.4	4.58	145
401431127	2013	10	28	16	V	2.8	0.4	4.99	144
401431127	2013	10	28	17	V	4.2	0.4	4.09	150
401431127	2013	10	28	18	V	4.0	0.4	3.74	128
401431127	2013	10	28	19	V	2.2	0.4	3.54	134
401431127	2013	10	28	20	V	2.6	0.4	3.47	135

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	28	21	V	2.0	0.4	3.42	139
401431127	2013	10	28	22	V	2.2	0.4	3.59	139
401431127	2013	10	28	23	V	2.3	0.3	3.32	148
401431127	2013	10	28	24	V	1.9	0.3	3.59	149
401431127	2013	10	29	1	V	1.2	0.3	4.48	151
401431127	2013	10	29	2	V	1.5	0.4	5.07	166
401431127	2013	10	29	3	V	1.0	0.3	3.59	171
401431127	2013	10	29	4	V	1.5	0.3	4	179
401431127	2013	10	29	5	V	1.7	0.3	4.29	182
401431127	2013	10	29	6	V	1.5	0.3	3.56	178
401431127	2013	10	29	7	V	1.5	0.4	3.74	175
401431127	2013	10	29	8	V	2.7	0.4	4.1	179
401431127	2013	10	29	9	V	1.5	0.3	4.88	183
401431127	2013	10	29	10	V	1.4	0.4	4.41	184
401431127	2013	10	29	11	V	2.6	0.3	4.7	184
401431127	2013	10	29	12	V	2.7	0.4	4.7	178
401431127	2013	10	29	13	V	5.2	0.4	6.91	181
401431127	2013	10	29	14	V	2.9	0.4	6.96	187
401431127	2013	10	29	15	V	2.2	0.4	7.09	182
401431127	2013	10	29	16	V	2.8	0.3	4.93	183
401431127	2013	10	29	17	V	4.2	0.3	3.85	183
401431127	2013	10	29	18	V	4.0	0.4	4.41	176
401431127	2013	10	29	19	V	2.2	0.3	3.23	169
401431127	2013	10	29	20	V	2.6	0.3	4	171
401431127	2013	10	29	21	V	2.0	0.3	3.39	170
401431127	2013	10	29	22	V	2.2	0.3	3.08	174
401431127	2013	10	29	23	V	2.3	0.3	2.28	166
401431127	2013	10	29	24	V	1.9	0.3	2.54	168
401431127	2013	10	30	1	V	1.2	0.3	2.73	171
401431127	2013	10	30	2	V	1.5	0.3	3.52	168
401431127	2013	10	30	3	V	1.0	0.3	3.44	171
401431127	2013	10	30	4	V	1.5	0.3	3.47	170
401431127	2013	10	30	5	V	1.7	0.3	4.05	182
401431127	2013	10	30	6	V	1.5	0.3	4.71	180
401431127	2013	10	30	7	V	1.5	0.3	3.18	171
401431127	2013	10	30	8	V	2.7	0.4	3.54	159
401431127	2013	10	30	9	V	1.5	0.4	5.79	177
401431127	2013	10	30	10	V	1.5	0.4	3.78	188
401431127	2013	10	30	11	V	2.7	0.4	3.56	174
401431127	2013	10	30	12	V	2.7	0.3	4.12	174
401431127	2013	10	30	13	V	5.2	0.3	3.91	155
401431127	2013	10	30	14	V	2.9	0.4	3.32	150
401431127	2013	10	30	15	V	2.2	0.4	3.27	168
401431127	2013	10	30	16	V	2.8	0.4	6.87	181
401431127	2013	10	30	17	V	4.2	0.3	7.45	182
401431127	2013	10	30	18	V	4.0	0.3	6.97	181

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	10	30	19	V	2.2	0.3	6.6	180
401431127	2013	10	30	20	V	2.6	0.3	6.77	181
401431127	2013	10	30	21	V	2.1	0.3	5.7	186
401431127	2013	10	30	22	V	2.3	0.4	5.09	185
401431127	2013	10	30	23	V	2.3	0.3	4.63	178
401431127	2013	10	30	24	V	1.9	0.3	3.86	177
401431127	2013	10	31	1	V	1.2	0.3	2.86	170
401431127	2013	10	31	2	V	1.5	0.4	2.36	130
401431127	2013	10	31	3	C	-999	0.3	0	0
401431127	2013	10	31	4	V	1.5	0.3	2.86	177
401431127	2013	10	31	5	C	-999	0.4	0	0
401431127	2013	10	31	6	V	1.5	0.3	2.86	157
401431127	2013	10	31	7	V	2.1	0.4	2.36	195
401431127	2013	10	31	8	V	2.8	0.4	2.86	191
401431127	2013	10	31	9	V	2.5	0.5	3.1	213
401431127	2013	10	31	10	V	1.5	0.5	5.22	227
401431127	2013	10	31	11	V	2.6	0.5	5.51	244
401431127	2013	10	31	12	V	2.7	0.4	5.65	254
401431127	2013	10	31	13	V	5.2	0.4	4.8	286
401431127	2013	10	31	14	V	2.9	0.4	4.44	302
401431127	2013	10	31	15	V	2.2	0.4	3.88	297
401431127	2013	10	31	16	V	2.8	0.4	3.37	296
401431127	2013	10	31	17	V	4.2	0.6	2.28	278
401431127	2013	10	31	18	V	4.0	0.4	1.31	262
401431127	2013	10	31	19	V	2.3	0.4	1.26	244
401431127	2013	10	31	20	V	2.6	0.3	1.43	246
401431127	2013	10	31	21	V	2.0	0.3	1.65	255
401431127	2013	10	31	22	V	2.2	0.4	1.77	242
401431127	2013	10	31	23	V	2.3	0.4	1.74	242
401431127	2013	10	31	24	V	1.9	0.4	1.33	235
401431127	2013	11	1	1	C	-999	0.4	0	0
401431127	2013	11	1	2	C	-999	0.4	0	0
401431127	2013	11	1	3	V	1.1	0.3	0.72	132
401431127	2013	11	1	4	C	-999	0.3	0	0
401431127	2013	11	1	5	V	2.0	0.3	0.58	184
401431127	2013	11	1	6	V	1.6	0.5	1.04	166
401431127	2013	11	1	7	C	-999	1.2	0	0
401431127	2013	11	1	8	V	5.5	1.9	0.7	202
401431127	2013	11	1	9	V	2.0	0.8	0.97	169
401431127	2013	11	1	10	V	1.7	0.6	1.57	161
401431127	2013	11	1	11	V	3.1	0.7	2.44	224
401431127	2013	11	1	12	V	2.7	0.5	3	285
401431127	2013	11	1	13	V	5.3	0.6	3.22	289
401431127	2013	11	1	14	V	2.9	0.5	3.47	292
401431127	2013	11	1	15	V	2.2	0.4	3.52	299
401431127	2013	11	1	16	V	2.8	0.4	3.81	309

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	1	17	V	4.2	0.4	3.71	315
401431127	2013	11	1	18	V	4.0	0.3	3.03	330
401431127	2013	11	1	19	V	2.2	0.3	2.03	323
401431127	2013	11	1	20	V	2.6	0.3	1.84	324
401431127	2013	11	1	21	V	2.1	0.3	1.42	318
401431127	2013	11	1	22	V	2.4	0.3	0.75	276
401431127	2013	11	1	23	V	2.4	0.3	0.84	262
401431127	2013	11	1	24	V	1.9	0.3	1.64	311
401431127	2013	11	2	1	V	1.3	0.3	1.31	286
401431127	2013	11	2	2	V	1.5	0.3	1.72	313
401431127	2013	11	2	3	V	1.0	0.2	1.99	316
401431127	2013	11	2	4	V	1.6	0.2	1.26	297
401431127	2013	11	2	5	V	1.8	0.2	1.55	309
401431127	2013	11	2	6	V	1.5	0.2	1.69	304
401431127	2013	11	2	7	V	1.6	0.2	1.35	289
401431127	2013	11	2	8	V	2.7	0.2	2.32	305
401431127	2013	11	2	9	V	1.6	0.3	2.96	335
401431127	2013	11	2	10	V	1.5	0.3	3.69	336
401431127	2013	11	2	11	V	2.6	0.2	4.83	341
401431127	2013	11	2	12	V	2.7	0.3	4.71	339
401431127	2013	11	2	13	V	5.3	0.2	4.1	342
401431127	2013	11	2	14	V	2.9	0.3	3.54	344
401431127	2013	11	2	15	V	2.2	0.3	3.63	338
401431127	2013	11	2	16	V	2.8	0.3	3.61	358
401431127	2013	11	2	17	V	4.2	0.3	2.44	4
401431127	2013	11	2	18	V	4.1	0.3	1.18	339
401431127	2013	11	2	19	V	2.4	0.3	0.62	276
401431127	2013	11	2	20	C	-999	0.8	0	0
401431127	2013	11	2	21	V	2.2	1.5	0.58	244
401431127	2013	11	2	22	V	2.4	1.5	0.52	256
401431127	2013	11	2	23	C	-999	1.6	0	0
401431127	2013	11	2	24	C	-999	1.2	0	0
401431127	2013	11	3	1	C	-999	1.2	0	0
401431127	2013	11	3	2	C	-999	1.4	0	0
401431127	2013	11	3	3	V	1.9	1.4	0.72	222
401431127	2013	11	3	4	V	1.6	0.9	0.87	244
401431127	2013	11	3	5	V	2.8	1	0.57	196
401431127	2013	11	3	6	V	1.6	0.9	0.62	170
401431127	2013	11	3	7	V	1.6	1.1	1.16	161
401431127	2013	11	3	8	V	2.7	0.5	1.99	159
401431127	2013	11	3	9	V	1.5	0.3	3.52	163
401431127	2013	11	3	10	V	1.4	0.3	5.6	170
401431127	2013	11	3	11	V	2.6	0.4	7.83	177
401431127	2013	11	3	12	V	2.7	0.4	6.45	176
401431127	2013	11	3	13	V	5.2	0.3	6.7	177
401431127	2013	11	3	14	V	2.9	0.4	5.72	174

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	3	15	V	2.2	0.3	4.85	166
401431127	2013	11	3	16	V	2.8	0.4	4.03	156
401431127	2013	11	3	17	V	4.2	0.3	4.15	162
401431127	2013	11	3	18	V	4.0	0.4	4.65	165
401431127	2013	11	3	19	V	2.2	0.4	4.87	164
401431127	2013	11	3	20	V	2.5	0.4	5.8	169
401431127	2013	11	3	21	V	2.0	0.4	5.73	167
401431127	2013	11	3	22	V	2.2	0.4	5.45	170
401431127	2013	11	3	23	V	2.3	0.5	5.8	169
401431127	2013	11	3	24	V	1.9	0.4	5.67	167
401431127	2013	11	4	1	V	1.2	0.6	5.79	168
401431127	2013	11	4	2	V	1.5	0.7	5.11	172
401431127	2013	11	4	3	V	0.9	0.7	5.8	173
401431127	2013	11	4	4	V	1.5	0.7	5.46	178
401431127	2013	11	4	5	V	1.7	0.6	4.65	167
401431127	2013	11	4	6	V	1.5	0.4	4.63	170
401431127	2013	11	4	7	V	1.5	0.4	5.62	171
401431127	2013	11	4	8	V	2.7	0.4	5.1	170
401431127	2013	11	4	9	V	1.5	0.4	5.29	172
401431127	2013	11	4	10	V	1.4	0.7	5.38	180
401431127	2013	11	4	11	V	2.6	0.7	7.65	184
401431127	2013	11	4	12	V	2.7	0.7	7.13	185
401431127	2013	11	4	13	V	5.2	0.6	6.99	190
401431127	2013	11	4	14	V	2.9	0.6	6.98	190
401431127	2013	11	4	15	V	2.2	0.5	6.81	186
401431127	2013	11	4	16	V	2.8	0.5	6.02	181
401431127	2013	11	4	17	V	4.2	0.4	4.92	171
401431127	2013	11	4	18	V	4.0	0.4	3.64	153
401431127	2013	11	4	19	V	2.2	0.4	3.37	159
401431127	2013	11	4	20	V	2.6	0.4	3.76	156
401431127	2013	11	4	21	V	2.0	0.3	4.17	168
401431127	2013	11	4	22	V	2.2	0.3	4	168
401431127	2013	11	4	23	V	2.3	0.3	3.65	160
401431127	2013	11	4	24	V	1.9	0.3	3.51	158
401431127	2013	11	5	1	V	1.2	0.2	3.39	151
401431127	2013	11	5	2	V	1.5	0.3	3.46	159
401431127	2013	11	5	3	V	1.0	0.3	3.29	154
401431127	2013	11	5	4	V	1.5	0.3	3.68	161
401431127	2013	11	5	5	V	1.7	0.3	3.71	151
401431127	2013	11	5	6	V	1.5	0.3	3.64	142
401431127	2013	11	5	7	V	1.5	0.3	3.64	146
401431127	2013	11	5	8	V	2.7	0.3	3.91	160
401431127	2013	11	5	9	V	1.5	0.3	3.75	165
401431127	2013	11	5	10	V	1.4	0.3	5.21	167
401431127	2013	11	5	11	V	2.6	0.3	5.31	165
401431127	2013	11	5	12	V	2.7	0.3	5.26	166

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	5	13	V	5.2	0.3	5.26	169
401431127	2013	11	5	14	V	2.9	0.3	3.93	168
401431127	2013	11	5	15	V	2.2	0.3	3.83	170
401431127	2013	11	5	16	V	2.9	0.4	4.07	172
401431127	2013	11	5	17	V	4.2	0.3	4.36	179
401431127	2013	11	5	18	V	4.0	0.3	3.27	178
401431127	2013	11	5	19	V	2.2	0.3	3.4	159
401431127	2013	11	5	20	V	2.6	0.3	4.07	163
401431127	2013	11	5	21	V	2.0	0.3	3.73	167
401431127	2013	11	5	22	V	2.2	0.3	4.12	168
401431127	2013	11	5	23	V	2.4	0.3	4.94	185
401431127	2013	11	5	24	V	2.0	0.3	2.86	232
401431127	2013	11	6	1	V	1.2	0.3	4.19	318
401431127	2013	11	6	2	V	1.5	0.3	3.27	328
401431127	2013	11	6	3	V	1.0	0.2	3.9	327
401431127	2013	11	6	4	V	1.5	0.3	3.63	333
401431127	2013	11	6	5	V	1.7	0.2	3.41	329
401431127	2013	11	6	6	V	1.5	0.2	3.69	336
401431127	2013	11	6	7	V	1.5	0.2	3.66	338
401431127	2013	11	6	8	V	2.7	0.2	3.54	333
401431127	2013	11	6	9	V	1.5	0.2	4.34	341
401431127	2013	11	6	10	V	1.4	0.2	4.73	350
401431127	2013	11	6	11	V	2.7	0.3	3.69	334
401431127	2013	11	6	12	V	2.7	0.4	3.97	344
401431127	2013	11	6	13	V	5.3	0.2	4.15	336
401431127	2013	11	6	14	V	2.9	0.2	4.08	346
401431127	2013	11	6	15	V	2.2	0.2	4.14	351
401431127	2013	11	6	16	V	2.9	0.2	3.12	4
401431127	2013	11	6	17	V	4.2	0.3	2.76	358
401431127	2013	11	6	18	V	4.1	0.3	1.42	339
401431127	2013	11	6	19	V	2.3	0.6	1.03	325
401431127	2013	11	6	20	V	2.7	1.1	0.72	283
401431127	2013	11	6	21	C	-999	1.5	0	0
401431127	2013	11	6	22	V	2.4	1.6	0.67	256
401431127	2013	11	6	23	C	-999	1.9	0	0
401431127	2013	11	6	24	V	2.6	1.7	0.62	225
401431127	2013	11	7	1	C	-999	1.5	0	0
401431127	2013	11	7	2	C	-999	1.6	0	0
401431127	2013	11	7	3	V	3.6	0.9	0.87	216
401431127	2013	11	7	4	C	-999	1	0	0
401431127	2013	11	7	5	V	1.9	0.7	0.62	247
401431127	2013	11	7	6	C	-999	0.9	0	0
401431127	2013	11	7	7	V	1.7	1.2	0.57	252
401431127	2013	11	7	8	V	3.2	1.7	0.97	222
401431127	2013	11	7	9	V	2.3	1.9	1.31	187
401431127	2013	11	7	10	V	5.1	1.4	1.7	207

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	7	11	V	5.6	0.7	1.4	212
401431127	2013	11	7	12	V	2.9	0.6	1.37	252
401431127	2013	11	7	13	V	6.0	-999	1.77	206
401431127	2013	11	7	14	V	3.0	0.7	1.93	290
401431127	2013	11	7	15	V	2.3	0.1	1.86	275
401431127	2013	11	7	16	V	2.9	0	1.55	305
401431127	2013	11	7	17	V	4.3	0.3	0.72	254
401431127	2013	11	7	18	C	-999	0.4	0	0
401431127	2013	11	7	19	V	2.4	0.6	0.53	272
401431127	2013	11	7	20	V	2.8	1.3	0.6	261
401431127	2013	11	7	21	V	2.2	2	0.55	306
401431127	2013	11	7	22	V	2.4	1.9	0.65	250
401431127	2013	11	7	23	V	2.5	1.7	0.63	269
401431127	2013	11	7	24	V	2.1	1.5	0.62	275
401431127	2013	11	8	1	V	1.4	1.6	0.62	277
401431127	2013	11	8	2	V	1.6	1.3	0.8	241
401431127	2013	11	8	3	C	-999	1.3	0	0
401431127	2013	11	8	4	C	-999	1.5	0	0
401431127	2013	11	8	5	V	2.4	1.3	0.79	223
401431127	2013	11	8	6	V	1.9	0.3	0.7	227
401431127	2013	11	8	7	C	-999	1.1	0	0
401431127	2013	11	8	8	V	2.8	0.2	1.06	184
401431127	2013	11	8	9	V	1.7	0.1	3.05	189
401431127	2013	11	8	10	V	1.5	0.3	5.41	194
401431127	2013	11	8	11	V	2.8	0.7	6.55	199
401431127	2013	11	8	12	V	2.9	0.3	7.57	200
401431127	2013	11	8	13	V	5.3	0.1	8.25	197
401431127	2013	11	8	14	V	2.9	0.1	8.32	192
401431127	2013	11	8	15	V	2.2	0.1	8.93	192
401431127	2013	11	8	16	V	2.8	0.1	8.9	186
401431127	2013	11	8	17	V	4.5	0.1	7.61	191
401431127	2013	11	8	18	V	4.1	0.1	6.32	186
401431127	2013	11	8	19	V	2.3	0.1	5.73	187
401431127	2013	11	8	20	V	2.6	0.1	3.98	177
401431127	2013	11	8	21	V	2.1	0.1	4.85	188
401431127	2013	11	8	22	V	2.3	0.3	4.34	188
401431127	2013	11	8	23	V	2.8	0.6	3.29	194
401431127	2013	11	8	24	V	2.0	0.7	4.02	187
401431127	2013	11	9	1	V	1.3	0.6	3.91	188
401431127	2013	11	9	2	V	1.6	0.4	3.9	187
401431127	2013	11	9	3	V	1.2	0.3	3.98	191
401431127	2013	11	9	4	V	1.5	0.2	2.03	167
401431127	2013	11	9	5	V	1.8	0.1	1.09	182
401431127	2013	11	9	6	V	1.7	0.1	0.57	90
401431127	2013	11	9	7	C	-999	0	0	0
401431127	2013	11	9	8	C	-999	0.3	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	9	9	V	1.7	0.5	1.81	155
401431127	2013	11	9	10	V	1.6	0.7	3.01	186
401431127	2013	11	9	11	V	2.7	0.7	3.54	185
401431127	2013	11	9	12	V	3.1	0.7	3.4	194
401431127	2013	11	9	13	V	6.3	0.6	3.39	203
401431127	2013	11	9	14	V	3.0	0.4	2.93	184
401431127	2013	11	9	15	V	2.2	0.3	3.07	157
401431127	2013	11	9	16	V	2.9	0.4	4.2	185
401431127	2013	11	9	17	V	4.2	0.3	3.9	171
401431127	2013	11	9	18	V	4.0	0.4	3.34	164
401431127	2013	11	9	19	V	2.2	0.3	2.16	164
401431127	2013	11	9	20	V	2.6	0.2	1.67	169
401431127	2013	11	9	21	V	2.1	0.1	1.18	184
401431127	2013	11	9	22	V	2.4	0.1	0.53	71
401431127	2013	11	9	23	V	2.7	0.4	0.74	190
401431127	2013	11	9	24	V	2.1	0.3	0.53	286
401431127	2013	11	10	1	V	1.4	0.4	0.63	274
401431127	2013	11	10	2	V	1.7	0.3	0.6	266
401431127	2013	11	10	3	V	1.1	0	0.84	238
401431127	2013	11	10	4	V	1.6	0	0.74	6
401431127	2013	11	10	5	V	1.9	0	0.58	297
401431127	2013	11	10	6	V	1.6	0	0.63	359
401431127	2013	11	10	7	V	1.6	0.1	0.77	11
401431127	2013	11	10	8	C	-999	0	0	0
401431127	2013	11	10	9	V	4.6	0.1	1.2	203
401431127	2013	11	10	10	V	2.0	0.6	1.01	147
401431127	2013	11	10	11	V	2.9	1.4	1.43	131
401431127	2013	11	10	12	V	3.4	2.4	1.38	191
401431127	2013	11	10	13	V	5.3	2.4	1.74	119
401431127	2013	11	10	14	V	3.0	2.3	1.42	168
401431127	2013	11	10	15	V	2.4	2.8	1.45	116
401431127	2013	11	10	16	V	3.2	2.6	1.57	191
401431127	2013	11	10	17	V	4.3	2.2	1.21	173
401431127	2013	11	10	18	C	-999	1	0	0
401431127	2013	11	10	19	C	-999	0.4	0	0
401431127	2013	11	10	20	C	-999	0.6	0	0
401431127	2013	11	10	21	V	6.6	0.8	0.79	209
401431127	2013	11	10	22	V	2.5	0.9	0.52	288
401431127	2013	11	10	23	V	2.5	0.3	0.84	254
401431127	2013	11	10	24	V	4.1	0.2	0.62	217
401431127	2013	11	11	1	V	4.1	0.1	0.67	215
401431127	2013	11	11	2	V	1.7	0	0.55	258
401431127	2013	11	11	3	V	3.9	0	0.75	215
401431127	2013	11	11	4	V	1.7	0.1	0.84	228
401431127	2013	11	11	5	V	8.0	0.1	1.08	212
401431127	2013	11	11	6	V	5.7	0.2	0.74	210

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	11	7	V	7.7	0.2	0.97	211
401431127	2013	11	11	8	V	2.8	0.2	1.42	189
401431127	2013	11	11	9	V	1.6	0.3	2.66	185
401431127	2013	11	11	10	V	1.5	0.5	3.29	187
401431127	2013	11	11	11	V	2.7	0.9	3.85	185
401431127	2013	11	11	12	V	2.8	1	3.76	189
401431127	2013	11	11	13	V	5.9	1	2.86	217
401431127	2013	11	11	14	V	3.0	0.6	2.5	237
401431127	2013	11	11	15	V	2.3	0.4	1.76	242
401431127	2013	11	11	16	V	2.9	0.2	1.35	316
401431127	2013	11	11	17	V	4.2	0.2	1.69	360
401431127	2013	11	11	18	V	4.0	0.4	3.52	355
401431127	2013	11	11	19	V	2.2	0.2	3.73	356
401431127	2013	11	11	20	V	2.6	0	5.17	10
401431127	2013	11	11	21	V	2.0	0	7.37	9
401431127	2013	11	11	22	V	2.2	0	6.99	11
401431127	2013	11	11	23	V	2.3	0	7.21	13
401431127	2013	11	11	24	V	1.9	0	6.26	9
401431127	2013	11	12	1	V	1.2	0	6.81	8
401431127	2013	11	12	2	V	1.5	0	7.18	7
401431127	2013	11	12	3	V	0.9	0	6.87	6
401431127	2013	11	12	4	V	1.5	0	7.01	5
401431127	2013	11	12	5	V	1.7	0	7.09	9
401431127	2013	11	12	6	V	1.5	0	6.3	9
401431127	2013	11	12	7	V	1.5	-999	5.22	9
401431127	2013	11	12	8	V	2.7	0	5.77	10
401431127	2013	11	12	9	V	1.5	0	6.62	16
401431127	2013	11	12	10	V	1.4	0	6.53	18
401431127	2013	11	12	11	V	2.6	0	5.44	8
401431127	2013	11	12	12	V	2.7	0	6.3	19
401431127	2013	11	12	13	V	5.2	0	6.28	15
401431127	2013	11	12	14	V	2.9	0.1	6.06	12
401431127	2013	11	12	15	V	2.2	0.1	5.65	20
401431127	2013	11	12	16	V	2.8	0.1	4.78	18
401431127	2013	11	12	17	V	4.2	0.1	3.71	12
401431127	2013	11	12	18	V	4.0	0.1	3.1	9
401431127	2013	11	12	19	V	2.2	0	2.25	5
401431127	2013	11	12	20	V	2.6	0	1.91	12
401431127	2013	11	12	21	C	-999	0	0	0
401431127	2013	11	12	22	C	-999	0.2	0	0
401431127	2013	11	12	23	C	-999	0.3	0	0
401431127	2013	11	12	24	C	-999	0.5	0	0
401431127	2013	11	13	1	V	1.4	0.5	0.62	239
401431127	2013	11	13	2	V	1.7	0.4	0.55	290
401431127	2013	11	13	3	V	1.1	0.4	0.8	242
401431127	2013	11	13	4	V	1.7	0.6	0.58	255

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	13	5	V	2.1	0.3	0.82	225
401431127	2013	11	13	6	V	5.2	0.5	0.8	212
401431127	2013	11	13	7	V	5.9	0.9	0.8	207
401431127	2013	11	13	8	V	2.8	0.9	0.72	248
401431127	2013	11	13	9	V	4.3	1.7	1.13	199
401431127	2013	11	13	10	V	2.1	0.3	2.35	191
401431127	2013	11	13	11	V	2.7	0.2	4.76	193
401431127	2013	11	13	12	V	2.9	0.2	5.73	198
401431127	2013	11	13	13	V	5.3	0.2	5.26	185
401431127	2013	11	13	14	V	3.1	0.1	5.11	196
401431127	2013	11	13	15	V	2.6	0	4.78	199
401431127	2013	11	13	16	V	3.1	0	5.09	198
401431127	2013	11	13	17	V	5.2	0	4.48	195
401431127	2013	11	13	18	V	4.3	0	3.39	192
401431127	2013	11	13	19	V	4.1	0.1	2.35	200
401431127	2013	11	13	20	V	2.7	0	2.49	190
401431127	2013	11	13	21	V	2.1	0.1	2.79	191
401431127	2013	11	13	22	V	3.5	0.1	2.3	199
401431127	2013	11	13	23	V	2.5	0	2.06	193
401431127	2013	11	13	24	V	2.0	0	1.47	186
401431127	2013	11	14	1	V	1.4	0.1	1.59	191
401431127	2013	11	14	2	V	1.6	0	2.15	188
401431127	2013	11	14	3	V	1.1	0	2.64	193
401431127	2013	11	14	4	V	1.6	0.1	3.12	188
401431127	2013	11	14	5	V	1.8	0.2	3.51	189
401431127	2013	11	14	6	V	1.5	0.5	2.79	172
401431127	2013	11	14	7	V	1.5	0.3	2.04	155
401431127	2013	11	14	8	V	2.7	0.3	1.52	155
401431127	2013	11	14	9	V	1.5	0.5	3.76	177
401431127	2013	11	14	10	V	1.5	-999	6.21	188
401431127	2013	11	14	11	V	2.6	-999	7.11	184
401431127	2013	11	14	12	V	2.7	-999	6.62	181
401431127	2013	11	14	13	V	5.2	1.4	6.7	183
401431127	2013	11	14	14	V	2.9	1.1	7.01	183
401431127	2013	11	14	15	V	2.2	0.8	5.56	178
401431127	2013	11	14	16	V	2.8	1	5.97	174
401431127	2013	11	14	17	V	4.2	1.6	5.43	170
401431127	2013	11	14	18	V	4.0	1.9	5.82	170
401431127	2013	11	14	19	V	2.2	2	4.85	173
401431127	2013	11	14	20	V	2.6	1.5	4.99	169
401431127	2013	11	14	21	V	2.1	0.9	4.65	185
401431127	2013	11	14	22	V	2.2	0.6	2.57	176
401431127	2013	11	14	23	V	2.3	0.8	2.66	160
401431127	2013	11	14	24	V	1.9	0.9	1.86	164
401431127	2013	11	15	1	V	1.3	1	1.33	185
401431127	2013	11	15	2	V	1.5	0.2	1.99	168

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	15	3	V	1.0	0	1.45	169
401431127	2013	11	15	4	V	1.5	0	1.65	166
401431127	2013	11	15	5	V	1.7	0	2.33	161
401431127	2013	11	15	6	V	1.5	0	2.69	164
401431127	2013	11	15	7	V	1.5	0	2.56	167
401431127	2013	11	15	8	V	2.7	0.2	2.61	169
401431127	2013	11	15	9	V	1.6	-999	3.66	168
401431127	2013	11	15	10	V	1.5	-999	4.22	170
401431127	2013	11	15	11	V	2.6	-999	5.43	181
401431127	2013	11	15	12	V	2.7	-999	5.82	182
401431127	2013	11	15	13	V	5.3	-999	5.82	189
401431127	2013	11	15	14	V	2.9	-999	5.5	189
401431127	2013	11	15	15	V	2.2	-999	5.34	179
401431127	2013	11	15	16	V	2.8	0.7	5.45	173
401431127	2013	11	15	17	V	4.2	0.7	4.49	164
401431127	2013	11	15	18	V	4.0	0.5	4.51	170
401431127	2013	11	15	19	V	2.2	0.5	3.51	160
401431127	2013	11	15	20	V	2.6	0.4	4.42	158
401431127	2013	11	15	21	V	2.0	0.2	4.63	157
401431127	2013	11	15	22	V	2.2	0.1	4.51	162
401431127	2013	11	15	23	V	2.3	0.1	4.66	170
401431127	2013	11	15	24	V	1.9	0.1	3.97	162
401431127	2013	11	16	1	V	1.2	0.1	3.25	152
401431127	2013	11	16	2	V	1.5	0.1	3.73	158
401431127	2013	11	16	3	V	1.0	0.1	5.05	170
401431127	2013	11	16	4	V	1.5	0.1	5.39	173
401431127	2013	11	16	5	V	1.7	0.2	6.14	178
401431127	2013	11	16	6	V	1.4	0.2	5.07	174
401431127	2013	11	16	7	V	1.5	0.2	5.14	181
401431127	2013	11	16	8	V	2.7	0.1	7.16	186
401431127	2013	11	16	9	V	1.5	0.2	6.99	188
401431127	2013	11	16	10	V	1.4	0.1	7.42	188
401431127	2013	11	16	11	V	2.6	0.1	8.05	182
401431127	2013	11	16	12	V	2.7	0.1	8.62	188
401431127	2013	11	16	13	V	5.3	0.1	9.05	197
401431127	2013	11	16	14	V	3.0	0.2	9.36	197
401431127	2013	11	16	15	V	2.3	0.1	9.13	197
401431127	2013	11	16	16	V	2.8	0.1	8.05	190
401431127	2013	11	16	17	V	4.2	0.1	7.01	185
401431127	2013	11	16	18	V	4.1	0.1	7.13	185
401431127	2013	11	16	19	V	2.2	0.1	7.42	183
401431127	2013	11	16	20	V	2.6	0.1	6.87	180
401431127	2013	11	16	21	V	2.0	0.1	6.21	179
401431127	2013	11	16	22	V	2.3	0.1	6.97	188
401431127	2013	11	16	23	V	2.6	0.1	8.23	191
401431127	2013	11	16	24	V	2.4	0.1	8.27	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	17	1	V	2.2	0.1	7.09	197
401431127	2013	11	17	2	V	2.5	0.1	7.3	197
401431127	2013	11	17	3	V	2.4	0.1	6.77	199
401431127	2013	11	17	4	V	3.4	0.1	5.96	200
401431127	2013	11	17	5	V	3.8	0.2	5.45	200
401431127	2013	11	17	6	V	4.9	0.4	6.07	206
401431127	2013	11	17	7	V	2.7	0.3	5.87	218
401431127	2013	11	17	8	V	2.8	0.3	4.71	233
401431127	2013	11	17	9	V	1.5	0.3	4.51	264
401431127	2013	11	17	10	V	1.4	0.4	4.6	293
401431127	2013	11	17	11	V	2.6	0.1	4.51	336
401431127	2013	11	17	12	V	2.7	0.1	3.57	343
401431127	2013	11	17	13	V	5.3	0.1	3.22	338
401431127	2013	11	17	14	V	2.9	0	3.57	307
401431127	2013	11	17	15	V	2.2	0.1	3.74	320
401431127	2013	11	17	16	V	2.9	0	3.69	321
401431127	2013	11	17	17	V	4.2	0	3.34	328
401431127	2013	11	17	18	V	4.0	0	2.3	337
401431127	2013	11	17	19	V	2.2	0	1.81	328
401431127	2013	11	17	20	V	2.6	0	1.74	335
401431127	2013	11	17	21	V	2.1	0	0.94	277
401431127	2013	11	17	22	V	2.3	0	1.43	313
401431127	2013	11	17	23	V	2.4	0	1.3	299
401431127	2013	11	17	24	V	2.0	0.2	0.99	255
401431127	2013	11	18	1	V	1.2	0.1	1.77	246
401431127	2013	11	18	2	V	1.6	0	0.94	270
401431127	2013	11	18	3	V	1.2	0	0.57	345
401431127	2013	11	18	4	V	1.7	0	0.62	276
401431127	2013	11	18	5	V	1.8	0	1.04	243
401431127	2013	11	18	6	V	1.6	0.1	1.06	8
401431127	2013	11	18	7	V	1.6	0.7	0.96	14
401431127	2013	11	18	8	V	2.7	1.1	2.56	17
401431127	2013	11	18	9	V	1.6	1.7	3.1	22
401431127	2013	11	18	10	V	4.2	0.7	3.42	39
401431127	2013	11	18	11	V	8.3	0.1	3.29	44
401431127	2013	11	18	12	V	6.4	0.1	3.76	52
401431127	2013	11	18	13	V	5.5	0.1	3.98	62
401431127	2013	11	18	14	V	7.2	0.1	4.29	48
401431127	2013	11	18	15	V	2.3	0.2	4.26	64
401431127	2013	11	18	16	V	2.9	0.1	3.69	70
401431127	2013	11	18	17	V	4.3	0.2	2.67	58
401431127	2013	11	18	18	V	4.1	1.1	1.57	25
401431127	2013	11	18	19	V	2.3	1.5	1.6	22
401431127	2013	11	18	20	V	2.6	2.3	1.99	23
401431127	2013	11	18	21	V	2.1	1.2	1.74	20
401431127	2013	11	18	22	V	2.8	1.5	1.31	37

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	18	23	V	2.4	1.5	1.4	85
401431127	2013	11	18	24	V	1.9	1	1.79	119
401431127	2013	11	19	1	V	1.4	0.8	0.63	87
401431127	2013	11	19	2	V	4.2	0.3	0.77	50
401431127	2013	11	19	3	V	1.4	0.5	0.79	192
401431127	2013	11	19	4	V	1.5	0.3	2.38	134
401431127	2013	11	19	5	V	1.7	0.1	3.44	129
401431127	2013	11	19	6	V	1.5	0.1	3	139
401431127	2013	11	19	7	V	1.5	0.5	2.23	141
401431127	2013	11	19	8	V	2.7	0.2	2.4	153
401431127	2013	11	19	9	V	1.5	0.1	4.15	146
401431127	2013	11	19	10	V	1.5	0.1	4.41	161
401431127	2013	11	19	11	V	2.7	0.3	4.54	163
401431127	2013	11	19	12	V	2.7	0.2	4.7	165
401431127	2013	11	19	13	V	5.2	0.4	5.12	160
401431127	2013	11	19	14	V	2.9	0.8	5.12	153
401431127	2013	11	19	15	V	2.2	1	4.73	146
401431127	2013	11	19	16	V	2.8	0.6	4.85	153
401431127	2013	11	19	17	V	4.2	0.4	4.02	146
401431127	2013	11	19	18	V	4.0	0.5	3.8	137
401431127	2013	11	19	19	V	2.2	0.4	4.2	144
401431127	2013	11	19	20	V	2.6	0.4	4.92	156
401431127	2013	11	19	21	V	2.0	0.4	5.16	159
401431127	2013	11	19	22	V	2.2	0.4	4.24	153
401431127	2013	11	19	23	V	2.3	0.6	4.63	158
401431127	2013	11	19	24	V	1.9	0.8	4.07	160
401431127	2013	11	20	1	V	1.2	0.7	3.95	160
401431127	2013	11	20	2	V	1.5	0.6	4.19	148
401431127	2013	11	20	3	V	1.0	0.6	4.39	156
401431127	2013	11	20	4	V	1.5	0.4	4.02	161
401431127	2013	11	20	5	V	1.7	0.1	3.85	157
401431127	2013	11	20	6	V	1.5	0.3	3.85	161
401431127	2013	11	20	7	V	1.5	0.4	3.85	158
401431127	2013	11	20	8	V	2.7	0.4	4.19	161
401431127	2013	11	20	9	V	1.5	0.4	5.6	169
401431127	2013	11	20	10	V	1.4	0.3	7.23	175
401431127	2013	11	20	11	V	2.6	0.4	7.79	177
401431127	2013	11	20	12	V	2.7	0.5	7.45	174
401431127	2013	11	20	13	V	5.2	0.5	6.13	177
401431127	2013	11	20	14	V	2.9	0.6	5.8	175
401431127	2013	11	20	15	V	2.2	-999	3.29	173
401431127	2013	11	20	16	V	2.9	-999	2.44	185
401431127	2013	11	20	17	V	7.3	-999	2.89	201
401431127	2013	11	20	18	V	4.4	0.5	2.95	192
401431127	2013	11	20	19	V	2.2	0.6	3.12	173
401431127	2013	11	20	20	V	2.6	0.7	3.42	176

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	20	21	V	2.0	1	3.76	168
401431127	2013	11	20	22	V	2.2	1.1	4.49	168
401431127	2013	11	20	23	V	2.3	1.3	4.94	175
401431127	2013	11	20	24	V	1.9	1.4	5.43	180
401431127	2013	11	21	1	V	1.2	1.3	3.46	162
401431127	2013	11	21	2	V	1.5	0.9	4.9	170
401431127	2013	11	21	3	V	1.0	0.8	5.34	167
401431127	2013	11	21	4	V	1.5	0.3	4.41	163
401431127	2013	11	21	5	V	1.7	0	3.85	164
401431127	2013	11	21	6	V	1.5	0.1	3.15	166
401431127	2013	11	21	7	V	1.5	0	2.35	163
401431127	2013	11	21	8	V	2.7	0	2.15	155
401431127	2013	11	21	9	V	6.8	0.2	2.06	45
401431127	2013	11	21	10	V	1.5	0.1	2.47	104
401431127	2013	11	21	11	V	2.7	0.2	2.2	97
401431127	2013	11	21	12	V	2.8	0.3	2.25	116
401431127	2013	11	21	13	V	5.3	0.2	2.04	106
401431127	2013	11	21	14	V	3.0	0.3	1.82	84
401431127	2013	11	21	15	V	2.3	0.2	2.32	8
401431127	2013	11	21	16	V	2.9	0.2	3.39	5
401431127	2013	11	21	17	V	4.2	0.1	3.88	7
401431127	2013	11	21	18	V	4.0	0	4.65	346
401431127	2013	11	21	19	V	2.2	0	4.29	344
401431127	2013	11	21	20	V	2.6	0	5.09	345
401431127	2013	11	21	21	V	2.0	0	5.34	344
401431127	2013	11	21	22	V	2.2	0	5.1	344
401431127	2013	11	21	23	V	2.3	0	4.97	347
401431127	2013	11	21	24	V	1.9	0	5.14	352
401431127	2013	11	22	1	V	1.2	0	5.8	351
401431127	2013	11	22	2	V	1.5	-999	5.22	349
401431127	2013	11	22	3	V	1.0	-999	5.55	349
401431127	2013	11	22	4	V	1.5	0	5.82	358
401431127	2013	11	22	5	V	1.7	-999	5.6	357
401431127	2013	11	22	6	V	1.5	-999	5.24	355
401431127	2013	11	22	7	V	1.5	-999	5.41	354
401431127	2013	11	22	8	V	2.7	0	5.33	358
401431127	2013	11	22	9	V	1.5	0	5.36	5
401431127	2013	11	22	10	V	1.4	0	5.92	8
401431127	2013	11	22	11	V	2.6	0	5.33	360
401431127	2013	11	22	12	V	2.7	0	5.8	6
401431127	2013	11	22	13	V	5.2	0	5	360
401431127	2013	11	22	14	V	2.9	-999	4.12	350
401431127	2013	11	22	15	V	2.2	0	4.53	2
401431127	2013	11	22	16	V	2.8	0	5.41	7
401431127	2013	11	22	17	V	4.2	0	5.67	5
401431127	2013	11	22	18	V	4.0	0	4.87	6

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	22	19	V	2.2	-999	4.02	3
401431127	2013	11	22	20	V	2.6	-999	4.17	5
401431127	2013	11	22	21	V	2.0	0	4.09	5
401431127	2013	11	22	22	V	2.2	-999	4.36	3
401431127	2013	11	22	23	V	2.3	-999	3.97	360
401431127	2013	11	22	24	V	1.9	-999	4.41	360
401431127	2013	11	23	1	V	1.2	0	4.8	6
401431127	2013	11	23	2	V	1.5	-999	4.75	8
401431127	2013	11	23	3	V	1.0	-999	4.2	7
401431127	2013	11	23	4	V	1.5	0	4.22	9
401431127	2013	11	23	5	V	1.7	0	4.27	8
401431127	2013	11	23	6	V	1.5	0	4.82	9
401431127	2013	11	23	7	V	1.5	0	4.75	11
401431127	2013	11	23	8	V	2.7	0	4.6	10
401431127	2013	11	23	9	V	1.5	0.5	4.8	14
401431127	2013	11	23	10	V	1.4	1	5.56	19
401431127	2013	11	23	11	V	2.6	0.3	5.89	21
401431127	2013	11	23	12	V	2.7	0.2	5.89	21
401431127	2013	11	23	13	V	5.2	0.4	6.12	20
401431127	2013	11	23	14	V	2.9	0.3	6.77	24
401431127	2013	11	23	15	V	2.2	0.2	6.28	19
401431127	2013	11	23	16	V	2.8	0.1	5.99	22
401431127	2013	11	23	17	V	4.2	0.2	4.07	16
401431127	2013	11	23	18	V	4.0	0.1	4.53	13
401431127	2013	11	23	19	V	2.2	0	6.74	16
401431127	2013	11	23	20	V	2.6	0	5.5	17
401431127	2013	11	23	21	V	2.0	0	5.26	18
401431127	2013	11	23	22	V	2.2	0	5.16	22
401431127	2013	11	23	23	V	2.3	0	5.33	27
401431127	2013	11	23	24	V	1.9	0	5.92	32
401431127	2013	11	24	1	V	1.2	0	4.95	27
401431127	2013	11	24	2	V	1.5	0	5.24	29
401431127	2013	11	24	3	V	0.9	0	4.75	29
401431127	2013	11	24	4	V	1.5	0	5.51	29
401431127	2013	11	24	5	V	1.7	0.1	5.17	27
401431127	2013	11	24	6	V	1.4	0.1	4.1	20
401431127	2013	11	24	7	V	1.5	0	3.83	19
401431127	2013	11	24	8	V	2.6	0	3.73	21
401431127	2013	11	24	9	V	1.5	0	2.93	27
401431127	2013	11	24	10	V	1.6	0.1	2.59	50
401431127	2013	11	24	11	V	2.7	0	2.06	36
401431127	2013	11	24	12	V	2.7	0.3	3.34	35
401431127	2013	11	24	13	V	5.2	0.6	2.5	27
401431127	2013	11	24	14	V	3.4	1.3	2.13	55
401431127	2013	11	24	15	V	2.3	1.5	1.64	71
401431127	2013	11	24	16	V	2.9	1.6	0.82	163

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	24	17	V	4.2	1.8	1.08	19
401431127	2013	11	24	18	V	4.1	1.5	1.38	70
401431127	2013	11	24	19	V	2.2	1.2	2.42	104
401431127	2013	11	24	20	V	2.6	1.6	2.32	119
401431127	2013	11	24	21	V	2.0	1.6	2.59	135
401431127	2013	11	24	22	V	2.2	2.2	2.81	133
401431127	2013	11	24	23	V	2.3	2.2	3.24	136
401431127	2013	11	24	24	V	1.9	1.5	3.34	172
401431127	2013	11	25	1	V	1.2	0.4	3.1	170
401431127	2013	11	25	2	V	1.5	0.2	3.01	175
401431127	2013	11	25	3	V	1.0	0.2	3.06	172
401431127	2013	11	25	4	V	1.5	0.3	2.96	169
401431127	2013	11	25	5	V	1.7	0.2	2.55	168
401431127	2013	11	25	6	V	1.5	0.1	2.37	164
401431127	2013	11	25	7	V	1.5	0	2.32	164
401431127	2013	11	25	8	V	2.7	0	2.57	161
401431127	2013	11	25	9	V	1.5	0.1	2.83	163
401431127	2013	11	25	10	V	1.5	0.1	2.67	174
401431127	2013	11	25	11	V	2.9	0.1	2.13	191
401431127	2013	11	25	12	V	4.1	0.1	1.77	198
401431127	2013	11	25	13	V	5.6	0.1	1.33	185
401431127	2013	11	25	14	V	4.4	0.1	1.3	198
401431127	2013	11	25	15	V	3.8	0.1	0.84	218
401431127	2013	11	25	16	V	4.9	0	1.03	214
401431127	2013	11	25	17	V	4.3	0	0.52	142
401431127	2013	11	25	18	V	4.1	0	0.8	331
401431127	2013	11	25	19	V	2.2	0	1.65	331
401431127	2013	11	25	20	V	2.6	0	1.94	328
401431127	2013	11	25	21	V	2.0	0	1.98	340
401431127	2013	11	25	22	V	2.2	0	1.43	332
401431127	2013	11	25	23	V	2.3	0	1.59	327
401431127	2013	11	25	24	V	1.9	0	1.31	307
401431127	2013	11	26	1	V	1.2	0	1.76	317
401431127	2013	11	26	2	V	1.5	0	1.88	326
401431127	2013	11	26	3	V	1.0	0	2.13	339
401431127	2013	11	26	4	V	1.5	0	1.25	311
401431127	2013	11	26	5	V	1.8	0	1.45	330
401431127	2013	11	26	6	V	1.5	0	1.33	324
401431127	2013	11	26	7	V	1.6	0	1.06	301
401431127	2013	11	26	8	V	2.7	0	1.3	312
401431127	2013	11	26	9	V	1.6	0	2.54	345
401431127	2013	11	26	10	V	1.4	0.1	5	5
401431127	2013	11	26	11	V	2.6	0.2	4.94	8
401431127	2013	11	26	12	V	2.7	0.5	5.9	6
401431127	2013	11	26	13	V	5.2	0.5	6.36	8
401431127	2013	11	26	14	V	2.9	0.4	6.19	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	26	15	V	2.2	0.1	5.51	350
401431127	2013	11	26	16	V	2.8	0	5.85	357
401431127	2013	11	26	17	V	4.2	0	6.26	359
401431127	2013	11	26	18	V	4.0	0	5.96	357
401431127	2013	11	26	19	V	2.2	0	3.39	345
401431127	2013	11	26	20	V	2.6	0	3.01	338
401431127	2013	11	26	21	V	2.0	0	2.66	328
401431127	2013	11	26	22	V	2.2	0	2.4	321
401431127	2013	11	26	23	V	2.3	0	4.17	348
401431127	2013	11	26	24	V	1.9	0	4.2	357
401431127	2013	11	27	1	V	1.2	0	5.51	7
401431127	2013	11	27	2	V	1.5	-999	5.14	6
401431127	2013	11	27	3	V	1.0	0	3.78	355
401431127	2013	11	27	4	V	1.5	0	3.64	352
401431127	2013	11	27	5	V	1.7	0	2.83	341
401431127	2013	11	27	6	V	1.5	0	2.74	344
401431127	2013	11	27	7	V	1.5	0	1.48	324
401431127	2013	11	27	8	V	2.7	0	2.16	359
401431127	2013	11	27	9	V	1.5	0.2	3.52	16
401431127	2013	11	27	10	V	1.5	0.3	3.32	21
401431127	2013	11	27	11	V	5.3	0.1	3.05	39
401431127	2013	11	27	12	V	6.4	0.1	2.54	42
401431127	2013	11	27	13	V	7.4	0.1	2.84	38
401431127	2013	11	27	14	V	3.2	0.1	2.38	67
401431127	2013	11	27	15	V	2.3	0.1	1.81	95
401431127	2013	11	27	16	V	3.0	0.1	1.3	147
401431127	2013	11	27	17	V	4.2	0.2	1.59	139
401431127	2013	11	27	18	V	4.1	0.8	1.81	165
401431127	2013	11	27	19	V	6.8	0.9	0.97	205
401431127	2013	11	27	20	V	5.6	2.1	1.33	201
401431127	2013	11	27	21	V	9.3	3.1	1.47	206
401431127	2013	11	27	22	V	7.4	0.7	0.99	209
401431127	2013	11	27	23	V	7.6	0.2	1.14	213
401431127	2013	11	27	24	V	2.1	0.2	0.82	181
401431127	2013	11	28	1	V	1.3	0.1	1.62	182
401431127	2013	11	28	2	V	1.6	0.2	1.25	178
401431127	2013	11	28	3	V	1.0	0.2	1.48	183
401431127	2013	11	28	4	V	1.6	0.1	1.42	186
401431127	2013	11	28	5	V	1.8	0.1	1.33	174
401431127	2013	11	28	6	V	1.5	0	1.77	167
401431127	2013	11	28	7	V	1.5	0	2.38	172
401431127	2013	11	28	8	V	2.7	0	2.5	178
401431127	2013	11	28	9	V	1.6	0.4	3.81	189
401431127	2013	11	28	10	V	1.5	1.4	3.92	187
401431127	2013	11	28	11	V	2.7	1	3.73	184
401431127	2013	11	28	12	V	3.3	0.5	3.69	214

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	28	13	V	5.5	1	1.33	165
401431127	2013	11	28	14	V	3.1	0.9	1.96	240
401431127	2013	11	28	15	V	2.4	1.2	2.64	228
401431127	2013	11	28	16	V	3.1	0.7	2.91	223
401431127	2013	11	28	17	V	6.8	0.6	0.72	218
401431127	2013	11	28	18	V	4.3	0.8	0.53	23
401431127	2013	11	28	19	V	2.3	1.6	1.6	187
401431127	2013	11	28	20	V	2.9	0.6	1.01	193
401431127	2013	11	28	21	V	3.1	0.2	1.09	197
401431127	2013	11	28	22	V	2.3	0.7	1.59	187
401431127	2013	11	28	23	V	2.8	0.9	0.65	190
401431127	2013	11	28	24	V	2.1	1.4	0.63	350
401431127	2013	11	29	1	V	1.4	1	0.58	310
401431127	2013	11	29	2	V	1.7	1.4	0.58	276
401431127	2013	11	29	3	C	-999	1.3	0	0
401431127	2013	11	29	4	V	1.7	1.2	0.65	237
401431127	2013	11	29	5	V	4.5	0.8	0.67	215
401431127	2013	11	29	6	V	1.9	0.9	0.65	227
401431127	2013	11	29	7	V	1.7	0.9	0.8	229
401431127	2013	11	29	8	V	6.6	1.2	0.7	208
401431127	2013	11	29	9	V	3.2	1.6	0.55	205
401431127	2013	11	29	10	V	3.1	1.1	1.04	192
401431127	2013	11	29	11	V	2.7	2.3	2.81	169
401431127	2013	11	29	12	V	2.7	2.6	3.51	162
401431127	2013	11	29	13	V	5.3	2.2	3.98	164
401431127	2013	11	29	14	V	2.9	1.5	4.39	164
401431127	2013	11	29	15	V	2.2	1.4	5.12	167
401431127	2013	11	29	16	V	2.8	1.1	5.36	168
401431127	2013	11	29	17	V	4.2	0.9	4.22	159
401431127	2013	11	29	18	V	4.0	0.7	2.83	156
401431127	2013	11	29	19	V	2.2	0.5	2.84	169
401431127	2013	11	29	20	V	2.6	0.6	3.88	172
401431127	2013	11	29	21	V	2.0	1.1	3.76	175
401431127	2013	11	29	22	V	2.2	1.5	3.71	176
401431127	2013	11	29	23	V	2.3	2.1	2.42	170
401431127	2013	11	29	24	V	1.9	1.8	2.15	165
401431127	2013	11	30	1	V	1.2	1.6	2.33	165
401431127	2013	11	30	2	V	1.5	1.7	2.28	168
401431127	2013	11	30	3	V	1.0	1.6	2.64	166
401431127	2013	11	30	4	V	1.5	1.5	1.76	158
401431127	2013	11	30	5	V	1.8	1.7	1.5	151
401431127	2013	11	30	6	V	1.5	1.3	1.96	163
401431127	2013	11	30	7	V	1.6	0.7	1.08	174
401431127	2013	11	30	8	V	2.8	0.4	1.25	190
401431127	2013	11	30	9	V	1.6	0.5	2.84	180
401431127	2013	11	30	10	V	1.5	0.6	5.16	194

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	11	30	11	V	2.7	0.7	5.04	193
401431127	2013	11	30	12	V	2.9	0.8	4.85	195
401431127	2013	11	30	13	V	5.3	0.7	5.48	194
401431127	2013	11	30	14	V	3.0	0.7	5.26	194
401431127	2013	11	30	15	V	2.3	0.7	4.82	195
401431127	2013	11	30	16	V	2.9	0.7	5.41	191
401431127	2013	11	30	17	V	4.8	0.7	3.56	193
401431127	2013	11	30	18	V	11.2	0.5	1.47	207
401431127	2013	11	30	19	V	7.0	1.2	1.14	214
401431127	2013	11	30	20	V	3.3	1.7	1.28	220
401431127	2013	11	30	21	V	2.2	1.9	0.77	256
401431127	2013	11	30	22	C	-999	1.8	0	0
401431127	2013	11	30	23	C	-999	1.1	0	0
401431127	2013	11	30	24	C	-999	1	0	0
401431127	2013	12	1	1	C	-999	1.5	0	0
401431127	2013	12	1	2	C	-999	1.3	0	0
401431127	2013	12	1	3	C	-999	1.7	0	0
401431127	2013	12	1	4	V	2.0	1.6	0.65	240
401431127	2013	12	1	5	C	-999	1.1	0	0
401431127	2013	12	1	6	V	2.1	0.9	0.53	255
401431127	2013	12	1	7	C	-999	0.7	0	0
401431127	2013	12	1	8	V	2.7	0.7	0.55	229
401431127	2013	12	1	9	V	2.8	0.3	0.51	195
401431127	2013	12	1	10	C	-999	0.1	0	0
401431127	2013	12	1	11	V	3.4	0.1	0.6	71
401431127	2013	12	1	12	V	5.6	0.1	1.14	90
401431127	2013	12	1	13	V	6.7	0.1	1.11	182
401431127	2013	12	1	14	V	3.6	0.2	0.57	204
401431127	2013	12	1	15	V	2.4	0.2	0.69	342
401431127	2013	12	1	16	V	3.3	0.1	1.42	12
401431127	2013	12	1	17	V	3.4	0.2	1.04	2
401431127	2013	12	1	18	V	4.4	0.2	0.65	334
401431127	2013	12	1	19	V	3.0	0.2	1.06	346
401431127	2013	12	1	20	V	2.4	0.2	1.6	7
401431127	2013	12	1	21	V	2.6	0.2	1.64	10
401431127	2013	12	1	22	V	2.7	0.6	1.13	348
401431127	2013	12	1	23	V	3.8	0.6	0.77	299
401431127	2013	12	1	24	V	3.3	0.2	0.79	306
401431127	2013	12	2	1	V	2.4	0.2	1.14	350
401431127	2013	12	2	2	V	2.4	0.1	1.08	360
401431127	2013	12	2	3	V	1.9	0.1	1.26	28
401431127	2013	12	2	4	V	2.0	0	0.74	21
401431127	2013	12	2	5	V	2.2	0.1	0.65	21
401431127	2013	12	2	6	V	2.5	0	0.55	50
401431127	2013	12	2	7	V	4.6	0.2	0.62	203
401431127	2013	12	2	8	V	3.4	0.4	1.18	219

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	2	9	V	2.0	1	1.81	185
401431127	2013	12	2	10	V	3.2	0.2	2.74	191
401431127	2013	12	2	11	V	4.8	0.1	3.29	211
401431127	2013	12	2	12	V	6.1	0.2	2.69	222
401431127	2013	12	2	13	V	8.6	0.2	2.45	201
401431127	2013	12	2	14	V	2.9	0.4	2.83	180
401431127	2013	12	2	15	V	1.9	0.3	3.12	181
401431127	2013	12	2	16	V	3.2	0.2	2.23	176
401431127	2013	12	2	17	V	3.3	0.2	1.82	177
401431127	2013	12	2	18	V	4.3	0.6	1.59	164
401431127	2013	12	2	19	V	3.5	1.7	1.65	197
401431127	2013	12	2	20	V	2.4	1.1	1.59	176
401431127	2013	12	2	21	V	2.7	0.2	0.8	241
401431127	2013	12	2	22	C	-999	0.6	0	0
401431127	2013	12	2	23	C	-999	1.3	0	0
401431127	2013	12	2	24	V	3.3	1.4	1.38	186
401431127	2013	12	3	1	V	2.3	1.1	2.06	180
401431127	2013	12	3	2	V	2.4	0	2.28	166
401431127	2013	12	3	3	V	1.9	0	2.1	160
401431127	2013	12	3	4	V	1.9	0	2.67	177
401431127	2013	12	3	5	V	2.1	0	2.71	187
401431127	2013	12	3	6	V	2.0	0	2.05	174
401431127	2013	12	3	7	V	1.6	0.1	2.52	169
401431127	2013	12	3	8	V	2.4	0.1	1.91	168
401431127	2013	12	3	9	V	2.0	0.1	2.83	168
401431127	2013	12	3	10	V	2.9	0.1	2.84	170
401431127	2013	12	3	11	V	2.9	0.2	2.08	175
401431127	2013	12	3	12	V	5.4	0.2	2.59	172
401431127	2013	12	3	13	V	6.2	0.3	3.57	136
401431127	2013	12	3	14	V	2.8	0.7	3.76	115
401431127	2013	12	3	15	V	1.8	0.9	3.59	107
401431127	2013	12	3	16	V	3.1	1	3.22	118
401431127	2013	12	3	17	V	3.3	0.9	1.59	103
401431127	2013	12	3	18	V	4.3	1	1.76	148
401431127	2013	12	3	19	V	2.9	1.8	1.82	176
401431127	2013	12	3	20	V	2.3	1.2	3.86	158
401431127	2013	12	3	21	V	2.6	0.2	3.37	171
401431127	2013	12	3	22	V	2.7	0.2	2.3	162
401431127	2013	12	3	23	V	3.7	0.1	2.1	180
401431127	2013	12	3	24	V	3.2	0.2	2.96	180
401431127	2013	12	4	1	V	2.3	0.2	1.33	169
401431127	2013	12	4	2	C	-999	0.3	0	0
401431127	2013	12	4	3	V	1.9	0.2	1.52	167
401431127	2013	12	4	4	V	1.9	0.3	1.93	167
401431127	2013	12	4	5	V	2.1	0.1	2.28	180
401431127	2013	12	4	6	V	5.8	0.1	1.43	215

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	4	7	V	5.4	0.1	1.5	202
401431127	2013	12	4	8	V	2.4	0.1	1.2	245
401431127	2013	12	4	9	V	2.0	0.1	3.52	285
401431127	2013	12	4	10	V	2.9	0.1	3.56	287
401431127	2013	12	4	11	V	2.8	0.1	3.76	293
401431127	2013	12	4	12	V	5.3	0.1	3.75	299
401431127	2013	12	4	13	V	6.2	0	3.51	284
401431127	2013	12	4	14	V	2.8	0.1	3.63	304
401431127	2013	12	4	15	V	1.9	0	3.32	303
401431127	2013	12	4	16	V	3.2	0	3.15	317
401431127	2013	12	4	17	V	3.3	0	3.4	315
401431127	2013	12	4	18	V	4.3	0	3.75	327
401431127	2013	12	4	19	V	2.9	0	3.35	334
401431127	2013	12	4	20	V	2.4	0	3.63	333
401431127	2013	12	4	21	V	2.6	0	3.75	352
401431127	2013	12	4	22	V	2.7	0	3.97	345
401431127	2013	12	4	23	V	3.7	0	3.92	340
401431127	2013	12	4	24	V	3.2	0	4.92	342
401431127	2013	12	5	1	V	2.3	0	5.04	347
401431127	2013	12	5	2	V	2.3	0	5.54	356
401431127	2013	12	5	3	V	1.8	0	5.96	354
401431127	2013	12	5	4	V	1.8	0	5.36	351
401431127	2013	12	5	5	V	2.0	0	6.46	358
401431127	2013	12	5	6	V	2.0	0	4.36	3
401431127	2013	12	5	7	V	1.6	0	4.86	352
401431127	2013	12	5	8	V	2.4	0	4.36	5
401431127	2013	12	5	9	V	2.0	0	4.86	12
401431127	2013	12	5	10	V	2.9	0	6.96	7
401431127	2013	12	5	11	V	2.8	0	5.23	360
401431127	2013	12	5	12	V	5.3	0	4.51	1
401431127	2013	12	5	13	V	6.1	-999	5	8
401431127	2013	12	5	14	V	2.8	-999	3.86	356
401431127	2013	12	5	15	V	1.8	0.1	4.32	14
401431127	2013	12	5	16	V	3.1	0.1	3.97	20
401431127	2013	12	5	17	V	3.3	0.1	4.31	19
401431127	2013	12	5	18	V	4.3	0	4.68	7
401431127	2013	12	5	19	V	2.9	0	4.61	5
401431127	2013	12	5	20	V	2.4	0	4.36	5
401431127	2013	12	5	21	V	2.6	0.1	5.19	8
401431127	2013	12	5	22	V	2.7	0	4.88	6
401431127	2013	12	5	23	V	3.7	0	4.78	4
401431127	2013	12	5	24	V	3.2	0	4.85	6
401431127	2013	12	6	1	V	2.3	0	5.36	10
401431127	2013	12	6	2	V	2.4	0	5.04	6
401431127	2013	12	6	3	V	1.9	0	4.31	9
401431127	2013	12	6	4	V	1.9	0	4.44	8

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	6	5	V	2.1	0	4.93	3
401431127	2013	12	6	6	V	2.0	0	5.17	10
401431127	2013	12	6	7	V	1.6	0	4.88	5
401431127	2013	12	6	8	V	2.4	0	5.43	12
401431127	2013	12	6	9	V	2.0	0	4.82	6
401431127	2013	12	6	10	V	2.9	0	4.92	3
401431127	2013	12	6	11	V	2.8	0.1	5.09	10
401431127	2013	12	6	12	V	5.3	0.2	5.48	11
401431127	2013	12	6	13	V	6.1	0.3	5.87	8
401431127	2013	12	6	14	V	2.8	0.3	5.21	7
401431127	2013	12	6	15	V	1.8	0.2	4.8	9
401431127	2013	12	6	16	V	3.1	0.1	4.82	8
401431127	2013	12	6	17	V	3.3	0.2	4.87	11
401431127	2013	12	6	18	V	4.3	0.2	4.44	10
401431127	2013	12	6	19	V	2.9	0.2	4.07	14
401431127	2013	12	6	20	V	2.4	0.1	4.25	21
401431127	2013	12	6	21	V	2.6	0.1	3.88	7
401431127	2013	12	6	22	V	2.6	0.1	4.44	5
401431127	2013	12	6	23	V	3.7	0.1	4.58	12
401431127	2013	12	6	24	V	3.2	0	5.11	23
401431127	2013	12	7	1	V	2.3	0.1	4.17	17
401431127	2013	12	7	2	V	2.3	0	3.81	10
401431127	2013	12	7	3	V	1.8	0	3.98	12
401431127	2013	12	7	4	V	1.8	0	4.73	18
401431127	2013	12	7	5	V	2.0	0	4.03	21
401431127	2013	12	7	6	V	1.9	0	4.31	16
401431127	2013	12	7	7	V	1.6	0	4.27	20
401431127	2013	12	7	8	V	2.3	0	4.14	23
401431127	2013	12	7	9	V	2.0	0.1	3.78	26
401431127	2013	12	7	10	V	4.3	0.2	4.15	37
401431127	2013	12	7	11	V	3.4	0.7	5.09	37
401431127	2013	12	7	12	V	5.5	1.3	4.66	33
401431127	2013	12	7	13	V	6.2	2.4	5.02	31
401431127	2013	12	7	14	V	2.8	4.8	5.51	31
401431127	2013	12	7	15	V	5.7	5.4	4.39	42
401431127	2013	12	7	16	V	8.2	3.9	3.18	45
401431127	2013	12	7	17	V	3.3	2.1	3.81	32
401431127	2013	12	7	18	V	4.3	0.8	4	33
401431127	2013	12	7	19	V	2.9	0.4	4.39	25
401431127	2013	12	7	20	V	4.2	0.4	4.26	42
401431127	2013	12	7	21	V	3.5	0.3	4.95	54
401431127	2013	12	7	22	V	2.7	0.3	3.75	65
401431127	2013	12	7	23	V	3.7	0.3	2.76	73
401431127	2013	12	7	24	V	3.2	0.4	2.2	58
401431127	2013	12	8	1	V	4.0	0.3	2.06	53
401431127	2013	12	8	2	V	2.4	0.3	1.31	78

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	8	3	V	1.9	0.1	1.16	64
401431127	2013	12	8	4	V	1.9	0.1	2.25	128
401431127	2013	12	8	5	V	2.1	0.1	2.4	121
401431127	2013	12	8	6	V	2.0	0	2.37	129
401431127	2013	12	8	7	V	1.6	0	2.74	140
401431127	2013	12	8	8	V	2.4	0.1	3.1	162
401431127	2013	12	8	9	V	2.0	0	2.71	169
401431127	2013	12	8	10	V	3.0	0	2.84	170
401431127	2013	12	8	11	V	2.9	0.1	3.29	169
401431127	2013	12	8	12	V	5.3	0.1	3.86	176
401431127	2013	12	8	13	V	6.2	0.1	4.8	195
401431127	2013	12	8	14	V	3.7	0.1	4.03	201
401431127	2013	12	8	15	V	3.8	0	3.58	210
401431127	2013	12	8	16	V	4.6	0	3.22	214
401431127	2013	12	8	17	V	3.3	0	2.61	236
401431127	2013	12	8	18	V	4.3	0	2.27	248
401431127	2013	12	8	19	V	2.9	0	1.71	272
401431127	2013	12	8	20	V	2.4	0	1.77	273
401431127	2013	12	8	21	V	2.7	0	1.16	252
401431127	2013	12	8	22	V	2.7	0	1.59	289
401431127	2013	12	8	23	V	3.8	0	1.38	319
401431127	2013	12	8	24	V	3.3	0	0.86	336
401431127	2013	12	9	1	V	2.4	0	0.92	1
401431127	2013	12	9	2	V	2.5	0	0.72	281
401431127	2013	12	9	3	V	2.0	0	0.7	296
401431127	2013	12	9	4	V	1.9	0	1.31	18
401431127	2013	12	9	5	V	2.1	0	2.47	352
401431127	2013	12	9	6	V	2.0	0	3.44	359
401431127	2013	12	9	7	V	1.6	2	3.58	357
401431127	2013	12	9	8	V	2.4	-999	2.93	354
401431127	2013	12	9	9	V	2.0	-999	4.32	1
401431127	2013	12	9	10	V	2.9	-999	3.86	12
401431127	2013	12	9	11	V	2.8	-999	3.86	20
401431127	2013	12	9	12	V	5.3	0.1	4.36	9
401431127	2013	12	9	13	V	7.3	0.1	5.96	41
401431127	2013	12	9	14	V	6.2	0.1	5.36	45
401431127	2013	12	9	15	V	1.8	0.1	4.36	15
401431127	2013	12	9	16	V	3.1	0	4.36	13
401431127	2013	12	9	17	V	3.3	0	3.86	12
401431127	2013	12	9	18	V	4.3	0	3.36	4
401431127	2013	12	9	19	V	2.9	0	3.32	351
401431127	2013	12	9	20	V	2.4	0	2.45	348
401431127	2013	12	9	21	V	2.6	0	2.52	357
401431127	2013	12	9	22	V	2.7	0	2.44	341
401431127	2013	12	9	23	V	3.7	0	2.47	323
401431127	2013	12	9	24	V	3.2	0	2.18	328

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	10	1	V	2.3	0	2.03	332
401431127	2013	12	10	2	V	2.4	0	1.33	311
401431127	2013	12	10	3	V	2.0	0	0.65	245
401431127	2013	12	10	4	V	2.0	0	0.96	263
401431127	2013	12	10	5	V	2.2	0	0.84	233
401431127	2013	12	10	6	V	2.0	0.2	1.6	230
401431127	2013	12	10	7	V	1.7	0.1	1.13	235
401431127	2013	12	10	8	V	2.4	0	1.33	240
401431127	2013	12	10	9	V	2.4	0.1	1.16	224
401431127	2013	12	10	10	V	4.2	0.3	2.05	195
401431127	2013	12	10	11	V	3.0	0.5	2.97	187
401431127	2013	12	10	12	V	5.5	0.8	2.16	173
401431127	2013	12	10	13	V	6.2	0.9	2.98	176
401431127	2013	12	10	14	V	2.9	0.6	3.69	184
401431127	2013	12	10	15	V	1.8	1.1	3.68	168
401431127	2013	12	10	16	V	3.1	0.6	3.37	161
401431127	2013	12	10	17	V	3.3	0.5	2.69	164
401431127	2013	12	10	18	V	4.6	0.3	1.38	194
401431127	2013	12	10	19	V	3.0	0.3	0.96	146
401431127	2013	12	10	20	V	2.5	0.2	1.09	168
401431127	2013	12	10	21	V	2.6	0.2	3.73	173
401431127	2013	12	10	22	V	2.7	0.2	3.68	181
401431127	2013	12	10	23	V	3.7	0.1	1.94	179
401431127	2013	12	10	24	V	3.2	0.1	2.93	177
401431127	2013	12	11	1	V	2.4	0.1	1.28	125
401431127	2013	12	11	2	V	2.5	0	1.08	184
401431127	2013	12	11	3	V	4.9	0.1	1.04	215
401431127	2013	12	11	4	V	2.0	0.1	0.97	249
401431127	2013	12	11	5	V	7.7	0.1	1.14	208
401431127	2013	12	11	6	V	2.1	0.5	0.7	238
401431127	2013	12	11	7	V	1.8	0.8	0.62	277
401431127	2013	12	11	8	V	2.5	2.1	0.87	313
401431127	2013	12	11	9	V	2.2	1.2	0.53	330
401431127	2013	12	11	10	V	2.9	0.2	4.48	12
401431127	2013	12	11	11	V	2.8	0.3	6.33	28
401431127	2013	12	11	12	V	5.3	0.3	6.07	24
401431127	2013	12	11	13	V	6.1	0.5	6.36	24
401431127	2013	12	11	14	V	2.8	0.4	6.43	25
401431127	2013	12	11	15	V	1.8	0.4	5.27	23
401431127	2013	12	11	16	V	3.1	0.3	4.68	25
401431127	2013	12	11	17	V	3.3	0.2	4.46	33
401431127	2013	12	11	18	V	4.3	0.2	2.4	19
401431127	2013	12	11	19	V	2.9	0.1	1.64	1
401431127	2013	12	11	20	V	2.4	0.2	1.55	12
401431127	2013	12	11	21	V	2.6	0.3	2.11	14
401431127	2013	12	11	22	V	2.8	0.2	1.08	356

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	11	23	V	3.9	0.7	0.72	351
401431127	2013	12	11	24	V	3.4	0.6	0.75	341
401431127	2013	12	12	1	C	-999	0.9	0	0
401431127	2013	12	12	2	V	2.5	0.7	0.67	353
401431127	2013	12	12	3	V	2.0	1.1	0.75	257
401431127	2013	12	12	4	V	2.0	0.6	0.82	245
401431127	2013	12	12	5	V	2.2	1	0.67	255
401431127	2013	12	12	6	V	2.1	1.2	0.58	330
401431127	2013	12	12	7	V	3.7	1.6	1.14	217
401431127	2013	12	12	8	V	4.5	2.1	1.25	217
401431127	2013	12	12	9	V	2.1	3	0.87	184
401431127	2013	12	12	10	V	3.6	1.3	1.86	190
401431127	2013	12	12	11	V	2.9	1.2	3.78	188
401431127	2013	12	12	12	V	5.4	1.3	5.14	193
401431127	2013	12	12	13	V	6.2	1.6	5.12	191
401431127	2013	12	12	14	V	2.9	1.2	4.63	188
401431127	2013	12	12	15	V	1.9	0.8	4.2	185
401431127	2013	12	12	16	V	3.2	0.6	3.71	185
401431127	2013	12	12	17	V	3.3	0.5	2.55	180
401431127	2013	12	12	18	V	4.4	0.6	2.03	187
401431127	2013	12	12	19	V	3.1	0.4	1.77	195
401431127	2013	12	12	20	V	2.5	0.4	2.49	191
401431127	2013	12	12	21	V	2.7	0.2	2.9	189
401431127	2013	12	12	22	V	2.7	0.3	3.15	179
401431127	2013	12	12	23	V	3.7	0.3	2.88	172
401431127	2013	12	12	24	V	3.2	0.3	2.86	167
401431127	2013	12	13	1	V	2.3	0.2	3.17	180
401431127	2013	12	13	2	V	2.4	0.3	2.91	183
401431127	2013	12	13	3	V	1.9	0.3	3.51	182
401431127	2013	12	13	4	V	1.9	0.3	2.86	169
401431127	2013	12	13	5	V	2.1	0.3	3.08	176
401431127	2013	12	13	6	V	2.0	0.4	2.83	169
401431127	2013	12	13	7	V	1.6	0.3	2.84	163
401431127	2013	12	13	8	V	2.4	0.2	4.15	168
401431127	2013	12	13	9	V	2.0	0.2	4.56	169
401431127	2013	12	13	10	V	2.9	0.2	4.9	175
401431127	2013	12	13	11	V	2.8	0.2	5.97	172
401431127	2013	12	13	12	V	5.3	0.2	5.58	172
401431127	2013	12	13	13	V	6.1	0.2	6.63	172
401431127	2013	12	13	14	V	2.8	0.4	7.72	173
401431127	2013	12	13	15	V	1.8	0.3	7.09	175
401431127	2013	12	13	16	V	3.1	0.3	5.41	167
401431127	2013	12	13	17	V	3.3	0.3	4.37	168
401431127	2013	12	13	18	V	4.3	0.2	4.26	173
401431127	2013	12	13	19	V	3.0	0.1	3.3	189
401431127	2013	12	13	20	V	2.4	0.1	2.49	183

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	13	21	V	2.6	0.1	1.57	155
401431127	2013	12	13	22	V	2.7	0.1	2.28	149
401431127	2013	12	13	23	V	3.7	0.2	1.72	130
401431127	2013	12	13	24	V	3.2	0.1	1.55	177
401431127	2013	12	14	1	V	2.5	0.1	0.53	173
401431127	2013	12	14	2	V	2.5	0.1	0.91	313
401431127	2013	12	14	3	V	1.9	0.1	1.25	321
401431127	2013	12	14	4	V	1.9	0.1	2.11	321
401431127	2013	12	14	5	V	2.1	0.1	4.17	343
401431127	2013	12	14	6	V	2.0	0.1	4.71	354
401431127	2013	12	14	7	V	1.6	0.1	4.27	347
401431127	2013	12	14	8	V	2.4	0.1	4.32	347
401431127	2013	12	14	9	V	2.0	0.1	4.88	341
401431127	2013	12	14	10	V	2.9	0.1	5	343
401431127	2013	12	14	11	V	2.8	0.1	5.11	340
401431127	2013	12	14	12	V	5.3	0.1	4.53	336
401431127	2013	12	14	13	V	6.2	0.1	4.29	338
401431127	2013	12	14	14	V	2.8	0.1	4.46	329
401431127	2013	12	14	15	V	1.8	0.2	4.22	332
401431127	2013	12	14	16	V	3.1	0.2	4.08	337
401431127	2013	12	14	17	V	3.3	0.1	2.98	335
401431127	2013	12	14	18	V	4.3	0.1	1.93	337
401431127	2013	12	14	19	V	3.1	0.5	0.69	266
401431127	2013	12	14	20	V	2.7	0.8	0.87	225
401431127	2013	12	14	21	V	2.8	1.8	0.53	255
401431127	2013	12	14	22	V	2.8	1.5	0.7	282
401431127	2013	12	14	23	V	3.9	2.1	0.52	303
401431127	2013	12	14	24	V	3.4	2.5	0.8	270
401431127	2013	12	15	1	V	4.7	2.4	0.65	201
401431127	2013	12	15	2	V	6.2	2.1	0.72	210
401431127	2013	12	15	3	C	-999	1.8	0	0
401431127	2013	12	15	4	V	2.0	1.4	0.89	232
401431127	2013	12	15	5	V	2.2	1.3	0.82	237
401431127	2013	12	15	6	V	2.4	0.8	0.55	191
401431127	2013	12	15	7	V	2.0	0.6	0.97	224
401431127	2013	12	15	8	V	7.6	0.9	1.3	213
401431127	2013	12	15	9	V	6.9	1.1	0.99	211
401431127	2013	12	15	10	V	3.9	0.6	1.35	190
401431127	2013	12	15	11	V	2.9	1.3	2.35	178
401431127	2013	12	15	12	V	5.5	2.1	2.67	186
401431127	2013	12	15	13	V	7.4	1.4	3.32	200
401431127	2013	12	15	14	V	3.1	0.5	4.48	220
401431127	2013	12	15	15	V	2.0	0.3	4.24	223
401431127	2013	12	15	16	V	3.7	0.3	4.27	215
401431127	2013	12	15	17	V	9.7	0.3	3.3	207
401431127	2013	12	15	18	V	7.1	0.7	1.96	201

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	15	19	V	4.1	1.5	1.94	199
401431127	2013	12	15	20	V	2.6	1.6	1.47	194
401431127	2013	12	15	21	V	2.7	1.3	0.92	182
401431127	2013	12	15	22	V	2.8	1.6	1.74	190
401431127	2013	12	15	23	V	9.5	1.3	1.91	204
401431127	2013	12	15	24	V	9.0	1.4	1.96	204
401431127	2013	12	16	1	V	2.6	1.1	1.09	193
401431127	2013	12	16	2	V	10.5	1	1.62	207
401431127	2013	12	16	3	V	9.1	1.1	1.5	206
401431127	2013	12	16	4	V	1.9	0.9	2.2	223
401431127	2013	12	16	5	V	9.9	0.8	2.62	212
401431127	2013	12	16	6	V	2.1	0.7	0.99	166
401431127	2013	12	16	7	V	1.7	0.7	0.91	164
401431127	2013	12	16	8	V	2.6	0.9	0.75	186
401431127	2013	12	16	9	V	2.8	1	1.18	197
401431127	2013	12	16	10	V	4.4	0.8	2.33	197
401431127	2013	12	16	11	V	5.1	0.7	3.2	205
401431127	2013	12	16	12	V	6.1	2.1	3.12	196
401431127	2013	12	16	13	V	6.2	2.8	3.46	185
401431127	2013	12	16	14	V	4.5	2.1	3.01	201
401431127	2013	12	16	15	V	2.9	0.9	4.39	211
401431127	2013	12	16	16	V	3.4	0.6	3.83	221
401431127	2013	12	16	17	V	3.8	0.4	2.78	223
401431127	2013	12	16	18	V	9.1	1.4	1.98	203
401431127	2013	12	16	19	V	3.1	2.1	0.72	284
401431127	2013	12	16	20	V	2.4	2.1	1.28	272
401431127	2013	12	16	21	V	9.1	2.6	2.11	213
401431127	2013	12	16	22	V	3.0	2.6	0.53	187
401431127	2013	12	16	23	V	6.6	2.9	0.79	202
401431127	2013	12	16	24	V	3.5	2.6	0.69	228
401431127	2013	12	17	1	V	2.5	1.7	0.62	298
401431127	2013	12	17	2	V	2.6	0.5	0.62	258
401431127	2013	12	17	3	V	3.2	0.7	0.8	220
401431127	2013	12	17	4	V	2.0	0.9	0.67	17
401431127	2013	12	17	5	V	2.2	1	0.58	281
401431127	2013	12	17	6	C	-999	1.4	0	0
401431127	2013	12	17	7	V	1.7	1.6	0.99	17
401431127	2013	12	17	8	V	2.5	1.6	0.77	350
401431127	2013	12	17	9	V	2.0	0.2	2.45	15
401431127	2013	12	17	10	V	3.0	0.4	2.96	16
401431127	2013	12	17	11	V	3.0	0.7	1.76	14
401431127	2013	12	17	12	V	9.2	1	2.4	46
401431127	2013	12	17	13	V	6.3	0.8	3.52	24
401431127	2013	12	17	14	V	2.8	0.6	5.38	21
401431127	2013	12	17	15	V	1.8	0.6	4.71	28
401431127	2013	12	17	16	V	8.0	0.6	2.93	45

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	17	17	V	3.3	0.8	2.4	66
401431127	2013	12	17	18	V	4.5	1.8	0.91	62
401431127	2013	12	17	19	V	3.1	1.5	0.63	293
401431127	2013	12	17	20	V	2.7	2.4	0.62	230
401431127	2013	12	17	21	V	2.8	1.6	0.7	303
401431127	2013	12	17	22	V	2.8	2	0.87	242
401431127	2013	12	17	23	V	3.9	2.1	0.62	235
401431127	2013	12	17	24	C	-999	2.3	0	0
401431127	2013	12	18	1	V	2.5	2.3	0.63	241
401431127	2013	12	18	2	C	-999	2.6	0	0
401431127	2013	12	18	3	C	-999	2.6	0	0
401431127	2013	12	18	4	V	2.1	2.9	0.58	239
401431127	2013	12	18	5	V	2.3	2.9	0.55	299
401431127	2013	12	18	6	V	2.1	3.1	0.77	273
401431127	2013	12	18	7	V	1.8	0.3	0.58	289
401431127	2013	12	18	8	V	2.5	0.3	0.67	250
401431127	2013	12	18	9	V	2.4	0.5	1.09	222
401431127	2013	12	18	10	V	6.6	0.7	1.09	205
401431127	2013	12	18	11	V	2.8	0.9	4.03	179
401431127	2013	12	18	12	V	5.3	1	5.99	183
401431127	2013	12	18	13	V	6.2	1	6.89	193
401431127	2013	12	18	14	V	2.9	1.2	7.86	198
401431127	2013	12	18	15	V	1.9	1.1	8.35	198
401431127	2013	12	18	16	V	3.2	0.7	7.6	196
401431127	2013	12	18	17	V	3.4	0.8	6.31	187
401431127	2013	12	18	18	V	4.3	0.7	4.26	185
401431127	2013	12	18	19	V	2.9	0.6	4.97	178
401431127	2013	12	18	20	V	2.4	0.6	4.02	172
401431127	2013	12	18	21	V	2.6	0.9	3.52	173
401431127	2013	12	18	22	V	2.7	0.8	5.68	182
401431127	2013	12	18	23	V	3.7	0.7	5.5	187
401431127	2013	12	18	24	V	3.2	0.7	6.12	187
401431127	2013	12	19	1	V	2.3	0.8	5.79	184
401431127	2013	12	19	2	V	2.4	0.8	5.96	187
401431127	2013	12	19	3	V	2.0	0.8	5.9	190
401431127	2013	12	19	4	V	1.9	0.7	6.43	187
401431127	2013	12	19	5	V	2.1	0.6	4.39	178
401431127	2013	12	19	6	V	2.0	0.5	4.65	177
401431127	2013	12	19	7	V	1.6	0.3	4.31	174
401431127	2013	12	19	8	V	3.1	0.3	5.36	195
401431127	2013	12	19	9	V	2.1	0.3	6.46	188
401431127	2013	12	19	10	V	2.9	0.3	9.06	191
401431127	2013	12	19	11	V	2.8	0.3	6.96	188
401431127	2013	12	19	12	V	5.3	0.3	5.96	180
401431127	2013	12	19	13	V	6.2	0.3	8.46	192
401431127	2013	12	19	14	V	2.9	-999	8.46	197

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	19	15	V	1.8	-999	7.96	191
401431127	2013	12	19	16	V	3.1	0.6	7.46	179
401431127	2013	12	19	17	V	3.4	0.9	6.54	186
401431127	2013	12	19	18	V	4.3	0.9	5.19	178
401431127	2013	12	19	19	V	2.9	0.9	4.53	174
401431127	2013	12	19	20	V	2.4	0.9	4.37	173
401431127	2013	12	19	21	V	2.6	0.9	3.95	178
401431127	2013	12	19	22	V	2.7	0.9	5.09	186
401431127	2013	12	19	23	V	4.0	0.9	4.95	193
401431127	2013	12	19	24	V	4.0	0.9	4.39	196
401431127	2013	12	20	1	V	2.9	0.9	4.48	195
401431127	2013	12	20	2	V	4.4	0.9	5.8	200
401431127	2013	12	20	3	V	5.4	1.1	6.11	204
401431127	2013	12	20	4	V	1.9	0.9	3.74	227
401431127	2013	12	20	5	V	3.6	0.9	2.45	219
401431127	2013	12	20	6	V	2.0	0.9	3.86	301
401431127	2013	12	20	7	V	1.6	0.8	4.36	296
401431127	2013	12	20	8	V	2.4	0.7	4.86	331
401431127	2013	12	20	9	V	2.0	0.7	4.36	336
401431127	2013	12	20	10	V	2.9	0.7	3.86	338
401431127	2013	12	20	11	M	-999	0.7	2.36	999
401431127	2013	12	20	12	V	5.4	0.7	3.36	333
401431127	2013	12	20	13	V	6.2	0.7	3.36	349
401431127	2013	12	20	14	M	-999	0.8	2.36	999
401431127	2013	12	20	15	V	1.9	0.7	2.89	339
401431127	2013	12	20	16	V	3.1	0.7	2.54	328
401431127	2013	12	20	17	V	3.3	0.8	2.13	330
401431127	2013	12	20	18	V	4.3	0.7	1.62	338
401431127	2013	12	20	19	V	2.9	0.7	2.42	23
401431127	2013	12	20	20	V	2.4	0.7	1.72	1
401431127	2013	12	20	21	V	2.6	0.8	3.05	4
401431127	2013	12	20	22	V	2.7	0.7	3.95	8
401431127	2013	12	20	23	V	3.7	0.7	3.64	21
401431127	2013	12	20	24	V	3.2	0.7	2.69	340
401431127	2013	12	21	1	V	2.3	0.7	3.25	25
401431127	2013	12	21	2	V	2.4	0.7	2.67	350
401431127	2013	12	21	3	V	1.9	0.7	2.64	350
401431127	2013	12	21	4	V	1.9	0.7	1.93	344
401431127	2013	12	21	5	V	2.1	0.7	2.73	9
401431127	2013	12	21	6	V	2.4	0.7	3.68	39
401431127	2013	12	21	7	V	3.8	0.8	3.76	42
401431127	2013	12	21	8	V	2.4	0.7	2.66	21
401431127	2013	12	21	9	V	2.0	0.8	2.69	4
401431127	2013	12	21	10	V	3.0	0.8	3.61	17
401431127	2013	12	21	11	V	2.9	0.8	3.71	14
401431127	2013	12	21	12	V	5.3	0.8	3.76	22

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	21	13	V	6.2	0.8	3.88	15
401431127	2013	12	21	14	V	2.9	0.8	3.03	11
401431127	2013	12	21	15	V	1.8	0.9	4.12	28
401431127	2013	12	21	16	V	3.1	0.9	4.37	11
401431127	2013	12	21	17	V	3.3	0.9	3.01	20
401431127	2013	12	21	18	V	4.3	0.9	2.35	290
401431127	2013	12	21	19	V	2.9	0.8	1.59	307
401431127	2013	12	21	20	V	2.4	0.8	1.54	271
401431127	2013	12	21	21	V	2.6	0.8	1.59	262
401431127	2013	12	21	22	V	2.7	0.8	2.54	265
401431127	2013	12	21	23	V	3.7	0.7	2.21	243
401431127	2013	12	21	24	V	3.2	0.7	2.11	239
401431127	2013	12	22	1	V	2.3	0.7	1.82	257
401431127	2013	12	22	2	V	2.4	0.7	2.76	259
401431127	2013	12	22	3	V	1.9	0.7	2.21	264
401431127	2013	12	22	4	V	1.9	0.7	2.32	271
401431127	2013	12	22	5	V	2.1	0.7	2.28	273
401431127	2013	12	22	6	V	2.0	0.7	2.95	315
401431127	2013	12	22	7	V	1.6	0.7	3.17	332
401431127	2013	12	22	8	V	2.4	0.7	2.49	329
401431127	2013	12	22	9	V	2.0	0.7	3.01	334
401431127	2013	12	22	10	V	2.9	0.7	3.34	345
401431127	2013	12	22	11	V	2.8	0.7	3.24	327
401431127	2013	12	22	12	V	5.3	0.7	3.37	336
401431127	2013	12	22	13	V	6.2	0.7	3	328
401431127	2013	12	22	14	V	2.8	0.7	3.05	334
401431127	2013	12	22	15	V	1.8	0.7	2.56	315
401431127	2013	12	22	16	V	3.1	0.6	2.35	320
401431127	2013	12	22	17	V	3.3	0.6	1.96	306
401431127	2013	12	22	18	V	4.3	0.6	1.84	301
401431127	2013	12	22	19	V	2.9	0.6	1.81	305
401431127	2013	12	22	20	V	2.4	0.6	1.91	314
401431127	2013	12	22	21	V	2.6	0.6	1.82	316
401431127	2013	12	22	22	V	2.7	0.6	1.99	327
401431127	2013	12	22	23	V	3.7	0.6	1.91	4
401431127	2013	12	22	24	C	-999	0.6	0	0
401431127	2013	12	23	1	V	2.3	0.6	1.76	359
401431127	2013	12	23	2	C	-999	0.6	0	0
401431127	2013	12	23	3	V	1.9	0.6	1.76	19
401431127	2013	12	23	4	C	-999	0.6	0	0
401431127	2013	12	23	5	V	2.2	0.6	1.76	37
401431127	2013	12	23	6	C	-999	0.6	0	0
401431127	2013	12	23	7	V	1.6	0.6	1.76	339
401431127	2013	12	23	8	V	2.4	0.8	1.76	17
401431127	2013	12	23	9	V	2.0	0.7	2.36	15
401431127	2013	12	23	10	V	3.1	0.6	3.36	30

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	23	11	V	2.9	0.8	3.4	19
401431127	2013	12	23	12	V	5.5	1.2	3.56	28
401431127	2013	12	23	13	V	6.2	1.6	3.54	25
401431127	2013	12	23	14	V	2.9	1	3.51	18
401431127	2013	12	23	15	V	1.8	0.7	4.25	9
401431127	2013	12	23	16	V	3.1	0.7	3.44	17
401431127	2013	12	23	17	V	3.3	0.7	3.32	12
401431127	2013	12	23	18	V	4.3	0.7	2.49	15
401431127	2013	12	23	19	V	2.9	0.7	2.44	16
401431127	2013	12	23	20	V	2.4	0.7	2.37	1
401431127	2013	12	23	21	V	2.6	0.6	2.39	15
401431127	2013	12	23	22	V	2.7	0.6	1.65	5
401431127	2013	12	23	23	V	3.8	0.6	1.14	354
401431127	2013	12	23	24	V	3.2	0.6	2.22	17
401431127	2013	12	24	1	V	2.3	0.6	2.21	19
401431127	2013	12	24	2	V	2.4	0.6	1.52	29
401431127	2013	12	24	3	V	1.9	0.6	1.76	16
401431127	2013	12	24	4	V	4.4	0.6	2.57	42
401431127	2013	12	24	5	V	2.2	0.6	0.87	326
401431127	2013	12	24	6	V	2.2	0.6	0.55	59
401431127	2013	12	24	7	V	1.6	0.6	1.96	117
401431127	2013	12	24	8	V	2.4	0.7	2.25	115
401431127	2013	12	24	9	V	2.0	0.8	2.45	165
401431127	2013	12	24	10	V	3.0	0.9	2.66	168
401431127	2013	12	24	11	V	2.8	1	4.36	168
401431127	2013	12	24	12	V	5.3	1.3	4.36	173
401431127	2013	12	24	13	V	6.2	1.2	4.36	157
401431127	2013	12	24	14	V	2.9	1	3.36	157
401431127	2013	12	24	15	V	1.9	0.9	3.36	155
401431127	2013	12	24	16	V	3.2	1	2.36	164
401431127	2013	12	24	17	V	3.3	1	3.86	169
401431127	2013	12	24	18	V	4.3	0.9	4.36	166
401431127	2013	12	24	19	V	2.9	0.8	4.4	170
401431127	2013	12	24	20	V	2.4	0.8	3.32	175
401431127	2013	12	24	21	V	2.6	0.9	2.73	160
401431127	2013	12	24	22	V	2.7	0.9	2.84	181
401431127	2013	12	24	23	V	8.6	1.9	1.08	212
401431127	2013	12	24	24	V	3.3	1.4	0.82	334
401431127	2013	12	25	1	V	2.4	1.8	0.75	348
401431127	2013	12	25	2	V	2.4	1.9	1.09	359
401431127	2013	12	25	3	C	-999	1.4	0	0
401431127	2013	12	25	4	V	5.4	1.4	0.79	213
401431127	2013	12	25	5	V	2.2	0.8	0.92	268
401431127	2013	12	25	6	V	2.0	0.8	1.2	324
401431127	2013	12	25	7	V	1.7	0.8	1.01	335
401431127	2013	12	25	8	C	-999	0.8	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	25	9	V	2.5	1	0.58	192
401431127	2013	12	25	10	V	3.3	0.6	1.04	298
401431127	2013	12	25	11	V	2.9	0.7	1.99	334
401431127	2013	12	25	12	V	5.4	0.7	2.15	305
401431127	2013	12	25	13	V	6.3	0.7	1.69	332
401431127	2013	12	25	14	V	2.9	0.7	2.22	325
401431127	2013	12	25	15	V	1.9	0.7	2.66	338
401431127	2013	12	25	16	V	3.2	0.7	2.01	313
401431127	2013	12	25	17	V	3.4	0.7	1.57	245
401431127	2013	12	25	18	V	4.4	0.7	1.09	252
401431127	2013	12	25	19	C	-999	1.3	0	0
401431127	2013	12	25	20	C	-999	2.2	0	0
401431127	2013	12	25	21	C	-999	1.5	0	0
401431127	2013	12	25	22	C	-999	2.3	0	0
401431127	2013	12	25	23	C	-999	2.7	0	0
401431127	2013	12	25	24	C	-999	2.6	0	0
401431127	2013	12	26	1	C	-999	2.4	0	0
401431127	2013	12	26	2	C	-999	1.8	0	0
401431127	2013	12	26	3	C	-999	1.9	0	0
401431127	2013	12	26	4	C	-999	2	0	0
401431127	2013	12	26	5	V	4.7	1.8	0.8	216
401431127	2013	12	26	6	V	2.9	2	0.79	196
401431127	2013	12	26	7	V	3.3	2.6	0.94	218
401431127	2013	12	26	8	V	4.9	1.7	0.97	216
401431127	2013	12	26	9	V	6.2	2.6	1.16	203
401431127	2013	12	26	10	V	3.4	2.5	1.06	175
401431127	2013	12	26	11	V	3.4	1.5	1.42	184
401431127	2013	12	26	12	V	5.7	1	2.84	190
401431127	2013	12	26	13	V	6.3	1.5	2.9	185
401431127	2013	12	26	14	V	2.9	1.9	3.54	187
401431127	2013	12	26	15	V	1.9	1.4	4.44	191
401431127	2013	12	26	16	V	3.2	1.2	3.34	187
401431127	2013	12	26	17	V	3.4	1.1	3.98	185
401431127	2013	12	26	18	V	4.4	1.1	2.44	192
401431127	2013	12	26	19	V	4.0	1	0.82	221
401431127	2013	12	26	20	V	3.3	1.6	0.77	222
401431127	2013	12	26	21	V	9.4	1.8	1.28	209
401431127	2013	12	26	22	V	2.8	2.3	0.87	183
401431127	2013	12	26	23	V	3.9	2.7	0.58	182
401431127	2013	12	26	24	C	-999	3.1	0	0
401431127	2013	12	27	1	C	-999	1.4	0	0
401431127	2013	12	27	2	V	2.5	1	0.69	241
401431127	2013	12	27	3	V	2.4	0.9	0.75	225
401431127	2013	12	27	4	V	2.1	0.9	0.52	313
401431127	2013	12	27	5	V	2.2	0.9	0.6	259
401431127	2013	12	27	6	V	2.1	0.8	0.75	238

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	27	7	V	4.6	1	0.82	215
401431127	2013	12	27	8	V	5.5	1.5	0.75	214
401431127	2013	12	27	9	C	-999	2.6	0	0
401431127	2013	12	27	10	V	3.6	2.3	0.72	161
401431127	2013	12	27	11	V	3.3	2.1	1.09	152
401431127	2013	12	27	12	V	5.7	3.1	1.62	179
401431127	2013	12	27	13	V	6.3	2.4	2.84	184
401431127	2013	12	27	14	V	3.1	1.6	2.63	190
401431127	2013	12	27	15	V	1.9	1.4	4.86	192
401431127	2013	12	27	16	V	3.5	1.2	5.36	200
401431127	2013	12	27	17	V	3.4	1.1	3.86	186
401431127	2013	12	27	18	V	4.5	1.1	1.76	191
401431127	2013	12	27	19	C	-999	1	0	0
401431127	2013	12	27	20	C	-999	2	0	0
401431127	2013	12	27	21	C	-999	1.6	0	0
401431127	2013	12	27	22	C	-999	1.2	0	0
401431127	2013	12	27	23	C	-999	0.9	0	0
401431127	2013	12	27	24	C	-999	1.5	0	0
401431127	2013	12	28	1	C	-999	3.1	0	0
401431127	2013	12	28	2	C	-999	1.7	0	0
401431127	2013	12	28	3	C	-999	1.4	0	0
401431127	2013	12	28	4	C	-999	1.2	0	0
401431127	2013	12	28	5	C	-999	1	0	0
401431127	2013	12	28	6	C	-999	1.2	0	0
401431127	2013	12	28	7	C	-999	1.2	0	0
401431127	2013	12	28	8	C	-999	1.7	0	0
401431127	2013	12	28	9	C	-999	2	0	0
401431127	2013	12	28	10	M	-999	1.1	1.76	999
401431127	2013	12	28	11	V	2.8	2.2	4.86	182
401431127	2013	12	28	12	V	5.3	3.2	4.86	176
401431127	2013	12	28	13	V	6.2	2.5	4.86	186
401431127	2013	12	28	14	V	2.9	2.1	4.86	192
401431127	2013	12	28	15	V	1.8	2	5.36	156
401431127	2013	12	28	16	V	3.1	2.5	4.86	190
401431127	2013	12	28	17	V	3.4	2	3.36	185
401431127	2013	12	28	18	V	4.3	2	2.36	181
401431127	2013	12	28	19	V	2.9	2	3.86	184
401431127	2013	12	28	20	V	2.4	2.1	3.36	188
401431127	2013	12	28	21	V	2.6	2	3.86	176
401431127	2013	12	28	22	V	10.5	1.8	2.36	206
401431127	2013	12	28	23	C	-999	1.4	0	0
401431127	2013	12	28	24	C	-999	1.2	0	0
401431127	2013	12	29	1	C	-999	0.9	0	0
401431127	2013	12	29	2	C	-999	0.9	0	0
401431127	2013	12	29	3	C	-999	0.9	0	0
401431127	2013	12	29	4	C	-999	0.9	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	29	5	C	-999	0.9	0	0
401431127	2013	12	29	6	V	1.9	0.8	6.46	21
401431127	2013	12	29	7	V	1.6	0.7	5.36	7
401431127	2013	12	29	8	V	2.3	0.7	5.96	10
401431127	2013	12	29	9	V	2.0	0.7	4.86	1
401431127	2013	12	29	10	V	2.9	0.7	5.36	2
401431127	2013	12	29	11	V	2.8	0.6	6.46	343
401431127	2013	12	29	12	V	5.3	0.6	3.86	350
401431127	2013	12	29	13	V	6.2	0.7	3.86	336
401431127	2013	12	29	14	V	2.8	0.7	3.86	357
401431127	2013	12	29	15	V	1.8	0.6	4.36	4
401431127	2013	12	29	16	M	-999	0.7	2.86	999
401431127	2013	12	29	17	V	3.3	0.6	3.36	8
401431127	2013	12	29	18	V	4.3	0.6	3.86	11
401431127	2013	12	29	19	V	2.9	0.7	3.36	16
401431127	2013	12	29	20	V	2.3	0.6	5.36	6
401431127	2013	12	29	21	V	2.6	0.6	3.36	18
401431127	2013	12	29	22	V	2.6	0.7	5.36	21
401431127	2013	12	29	23	V	3.7	0.7	3.86	356
401431127	2013	12	29	24	V	3.2	0.6	2.86	16
401431127	2013	12	30	1	V	2.3	0.7	2.36	7
401431127	2013	12	30	2	V	2.3	0.7	3.86	360
401431127	2013	12	30	3	V	1.9	0.6	2.36	357
401431127	2013	12	30	4	V	1.8	0.7	3.86	4
401431127	2013	12	30	5	V	2.1	0.6	2.86	12
401431127	2013	12	30	6	V	1.9	0.7	4.36	17
401431127	2013	12	30	7	V	1.6	0.7	2.86	36
401431127	2013	12	30	8	C	-999	0.6	0	0
401431127	2013	12	30	9	V	2.0	0.8	2.36	59
401431127	2013	12	30	10	C	-999	1	0	0
401431127	2013	12	30	11	C	-999	1.3	0	0
401431127	2013	12	30	12	C	-999	1.8	0	0
401431127	2013	12	30	13	M	-999	2	2.36	999
401431127	2013	12	30	14	C	-999	1.8	0	0
401431127	2013	12	30	15	C	-999	1.5	0	0
401431127	2013	12	30	16	V	3.5	1.5	2.36	192
401431127	2013	12	30	17	V	3.5	1.5	1.76	221
401431127	2013	12	30	18	C	-999	1.2	0	0
401431127	2013	12	30	19	C	-999	0.9	0	0
401431127	2013	12	30	20	C	-999	1.6	0	0
401431127	2013	12	30	21	C	-999	1.4	0	0
401431127	2013	12	30	22	C	-999	1.1	0	0
401431127	2013	12	30	23	C	-999	1.1	0	0
401431127	2013	12	30	24	C	-999	1.4	0	0
401431127	2013	12	31	1	C	-999	1.6	0	0
401431127	2013	12	31	2	C	-999	2	0	0

Tulsa SO2 Concentrations

site_id	year	month	day	hour	hour flag	AERMOD (ppb)	Obs (ppb)	wind speed (m/s)	wind direction
401431127	2013	12	31	3	C	-999	2.2	0	0
401431127	2013	12	31	4	C	-999	2.2	0	0
401431127	2013	12	31	5	C	-999	2	0	0
401431127	2013	12	31	6	C	-999	2.1	0	0
401431127	2013	12	31	7	C	-999	1.7	0	0
401431127	2013	12	31	8	C	-999	1.8	0	0
401431127	2013	12	31	9	C	-999	3.3	0	0
401431127	2013	12	31	10	C	-999	2	0	0
401431127	2013	12	31	11	V	2.8	1.7	3.86	173
401431127	2013	12	31	12	V	5.6	1.5	5.96	200
401431127	2013	12	31	13	V	6.1	1.2	7.46	183
401431127	2013	12	31	14	V	2.8	0.9	6.46	181
401431127	2013	12	31	15	V	1.9	0.8	7.46	195
401431127	2013	12	31	16	V	3.5	0.8	9.06	204
401431127	2013	12	31	17	V	3.5	0.7	4.86	190
401431127	2013	12	31	18	V	4.3	0.8	3.36	167
401431127	2013	12	31	19	V	2.9	0.8	3.36	173
401431127	2013	12	31	20	V	2.4	0.8	2.86	167
401431127	2013	12	31	21	V	2.6	0.9	2.86	169
401431127	2013	12	31	22	V	6.1	1.1	2.36	202
401431127	2013	12	31	23	V	3.9	1.2	2.36	194
401431127	2013	12	31	24	C	-999	1.4	0	0